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CSI Divisions 01-50 2025

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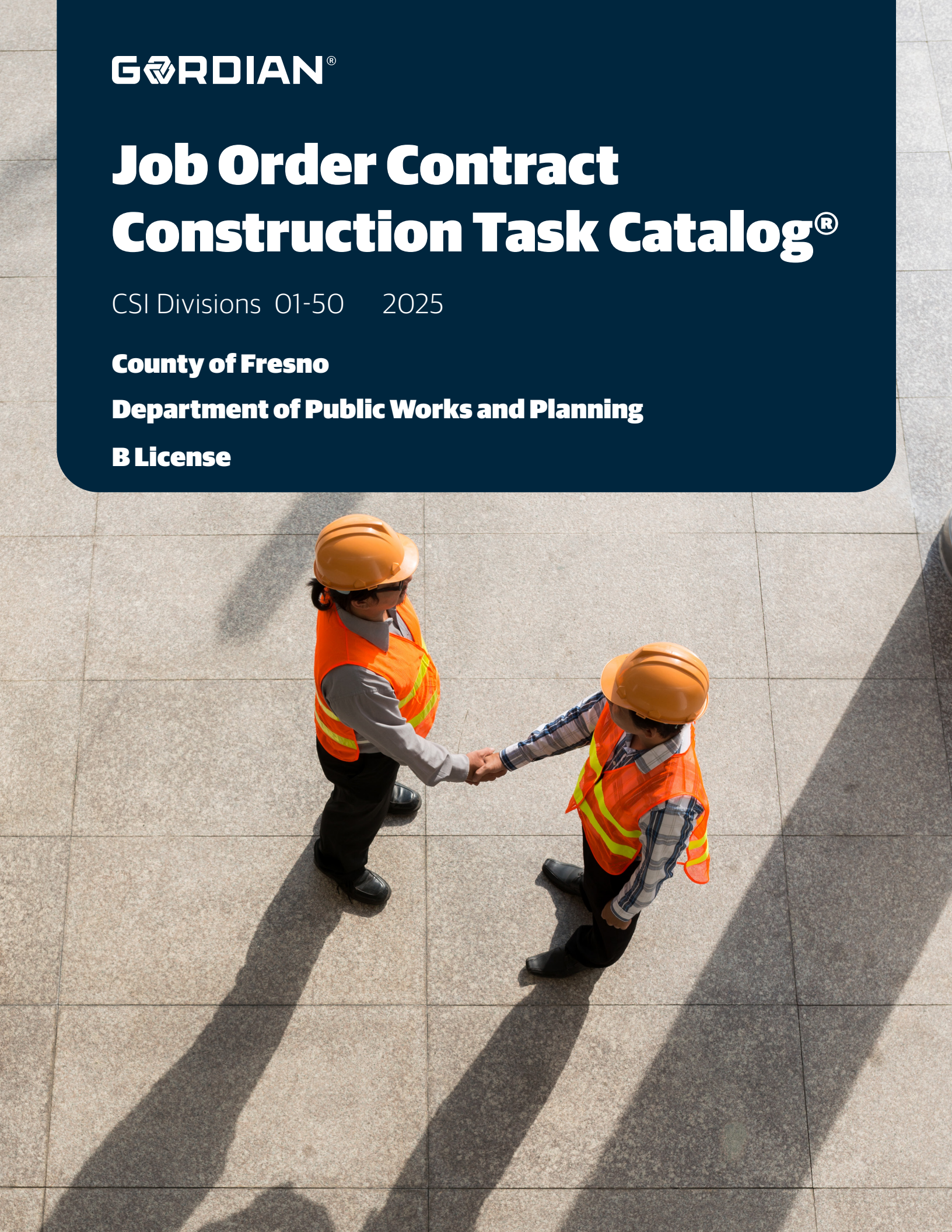

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About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **County of Fresno**, priced locally using current labor, material and equipment costs, and published in June 2025.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **County of Fresno**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

MasterFormat™

- ☑ The Tasks in this CTC are organized using CSI's *MasterFormat*.

CSI Building Knowledge Improving Project Delivery

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The Unit Prices Include:

Labor Costs:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the Task; disposal of excess material; and time for lunch and breaks.

Equipment Costs:

- ☑ Equipment costs include all equipment required to accomplish the Task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

Material Costs:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include manufacturer's and/or fabricator's shop drawings.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

Business Costs:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.
- ☑ Insurance and bonding.
- ☑ Profit.

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- ☑ Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- ☑ Subcontractor's overhead and profit.
- ☑ Cost of financing the work.
- ☑ Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

Project Related Costs:

- ☑ Project trailer, equipment and supplies, portable toilets, and hand wash stations for Contractor's use.
- ☑ Project management and project supervision.
- ☑ Services required to complete project filings and obtain permits.
- ☑ Preparation and modification of sketches, drawings, submittals, as-built drawings, project photographs and other project records.
- ☑ Incidental engineering and architectural services.
- ☑ Gang boxes and storage containers for Contractor's tools, equipment and materials.
- ☑ Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- ☑ Meeting Owner's security requirements.
- ☑ All taxes for which a waiver is not available including material sales tax and equipment rental.
- ☑ Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- ☑ Sealing windows, doors and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.
- ☑ Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- ☑ Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- ☑ Daily clean-up.
- ☑ Final professional clean-up.

Price Variations:

- ☑ Contractors may experience direct costs that are different than the unit prices set forth in the CTC. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.
- ☑ Contractors may experience differences in decimal rounding on unit prices that may vary from unit prices set forth in the CTC.

Summary:

- ☑ This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- ☑ The only compensation to be paid to the Contractor for Tasks will be:

Unit Price X Quantity X Adjustment Factor

- ☑ No additional payments of any kind whatsoever will be made.
- ☑ All costs in excess of the unit prices, must be included in the Adjustment Factors.

General Rules:

- ☑ Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the Task as described in the CTC.
- ☑ All labor, material, equipment, spare parts, and documents required by a Technical Specification

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shall be considered included in the unit price, unless the Task description states otherwise.

- ☑ If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to lift material onto a roof, even if that roof is less than 2 stories, the Contractor will be paid for such crane or lifting equipment as a separate Task.
- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or for relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the Task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a Task, quantities are calculated on a per project basis. The quantity so determined shall be used for the Task and all appropriate modifiers, unless the Task states otherwise.
- ☑ Whenever there are alternative Tasks that may be selected to complete work, the Contractor shall select the most practical and economical Tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

Demolition:

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2 stories into a truck, dumpster, or to an Owner designated area, located within 125' of the project site.
- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition Task, unless the component must be demolished separately to accomplish the work (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the work; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

Working Height:

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

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Field Engineering:

☑ Surveying Tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate Tasks.

Assemblies:

☑ Assembly Tasks take precedence over individual component Tasks.

Restricted and Confined Spaces:

☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories Tasks and for certain electrical conduit and conduit accessories Tasks. Only those Tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated Tasks. A Non-Prepriced Task will not be allowed because of Restricted Working Space for any Task.

☑ The Code of Federal Regulations (29 CFR part 1926, Subpart AA) define confined spaces and permit-required confined spaces for construction and set forth requirements, procedures and safety precautions for working in such spaces. If the Contractor must work in a confined space or a permit-required confined space and must provide ventilation equipment, air monitoring equipment and services, entry attendants, entry supervisors, site-specific training for workers, or other equipment and services required by the regulations, then the Contractor shall be paid for such equipment, services and training. Those costs shall not be included in the Adjustment Factors.

Or Equals:

☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

Useful Information:

Unit of Measure Definitions:

ACR – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot, **GAL** – Gallon, **GSF** - Ground Square Foot or Gross Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HDAY – Half Day, HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose

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(Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT –** Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLF** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

Material Weights:

Earthen Material

☑ The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

	Material Weight (Lbs Per CY)		
Material	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel (Average)	3280	2730	3570
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

Bulk Factors for Demolition:

☑ The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

Conversions:

1 Acre = 43,560 Square Feet = 4046.8 Square Meters

1 Board Foot = 12” x 12” x 1” = 144 Cubic Inches

1 Centimeter = 0.3937 Inches = 0.0328 Feet

1 Cubic Foot = 0.03704 Cubic Yards = 0.02832 Cubic Meters

1 Cubic Meter = 1.3080 Cubic Yards = 35.3147 Cubic Feet

1 Cubic Yard = 27 Cubic Feet = 0.7646 Cubic Meters

1 Foot = 12 Inches = 0.3048 Meters

1 Inch = 2.54 Centimeters = 0.0254 Meters

1 Kilogram = 2.2046 Pounds

1 Kilometer = 0.6214 Miles = 3280 Feet

1 Meter = 100 Centimeters = 3.2808 Feet

1 Mile = 5280 Feet = 1.6093 Kilometers

1 Pound = 0.4536 Kilograms

1 Square Foot = 144 Square Inches = .0929 Square Meters

1 Square Meter = 1.1960 Square Yards = 10.7639 Square Feet

1 Square Yard = 9 Square Feet = 0.8361 Square Meters

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1 Ton = 2000 Pounds = 907.185 Kilograms

1 Yard = 3 Feet = 0.9144 Meters

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

Standard Geometry:

Circle

- Circumference = 2 π radius = π diameter
- Area = π radius^2 = π (diameter^2 / 4)

Cylinder

- Volume = (π radius^2) height
- Surface Area = 2 π radius^2+(2 π radius) height

Sphere

- Volume = (4 π radius^3) / 3
- Surface Area = 4 π radius^2

π = 3.14159

United Inch

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 General Requirements

01 10 Summary *(01)*

01 11 Summary Of Work *(01 10)*

01 11 13 Work Covered by Contract Documents *(01 11)*

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001	NTE	Work Covered by Contract Documents Note: For specification publishing. Review specifications for requirements.	0.00	

01 20 Price and Payment Procedures *(01)*

01 22 Unit Prices *(01 20)*

01 22 16 Unit Price Payment *(01 22)*

01 22 16 00-0001 Reimbursable Fees *(01 22 16)*

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002	EA	Reimbursable Fees Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.	1.00	

01 22 16 00-0003 Negotiated Travel Costs *(01 22 16)*

Note: To be used only at the request of authorized personal for non-commuting travel costs.

01 22 16 00-0004	EA	Negotiated Travel Costs Note: Supporting documentation must be included with each Work Order.	1.00	

01 22 20 Wage Rates *(01 22)*

01 22 20 00-0001 Local Labor/Wage Rates *(01 22 20)*

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002	HR	Asbestos Removal Worker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	96.21 *4.81* *-19.24*	
01 22 20 00-0003	HR	Insulator Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	124.88 *6.24* *-24.98*	
01 22 20 00-0004	HR	Boilermaker Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	122.30 *6.12* *-24.46*	
01 22 20 00-0005	HR	Brick Layer Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	106.86 *5.34* *-21.37*	
01 22 20 00-0006	HR	Carpenter Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	132.19 *6.61* *-26.44*	
01 22 20 00-0007	HR	Carpenter, Bridge Builder Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	150.32 *7.52* *-30.06*	
01 22 20 00-0008	HR	Carpet, Linoleum Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	94.28 *4.71* *-18.86*	
01 22 20 00-0009	HR	Cement Mason Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	100.88 *5.04* *-20.18*	
01 22 20 00-0010	HR	Drywall Finisher Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	115.07 *5.75* *-23.01*	
01 22 20 00-0011	HR	Electrician, Inside Wireman Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. *For Foreperson, Add* *For Apprentice, Deduct*	101.28 *5.06* *-20.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0012	HR	Electrician, Cable Splicer	108.37	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.42*	
		For Apprentice, Deduct	*-21.67*	
01 22 20 00-0013	HR	Electrical Groundman	108.37	
		Note: For tasks not included in the Construction Task Catalog® and requested specifically by the owner for miscellaneous work not covered in the CTC.		
		For Foreperson, Add	*5.42*	
		For Apprentice, Deduct	*-21.67*	
01 22 20 00-0014	HR	High Voltage Electrician, Utility Lineman	140.16	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.01*	
		For Apprentice, Deduct	*-28.03*	
01 22 20 00-0015	HR	Communication And System Technician	102.49	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Apprentice, Deduct	*-20.50*	
01 22 20 00-0016	HR	Equipment Operator, Crane, Group 1-A	135.25	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0017	HR	Equipment Operator, Crane, Group 2-A	132.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.63*	
01 22 20 00-0018	HR	Equipment Operator, Crane, Group 3-A	130.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0019	HR	Equipment Operator, Medium, Group 3	129.58	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.48*	
		For Apprentice, Deduct	*-25.92*	
01 22 20 00-0020	HR	Equipment Operator, Medium, Group 4	127.56	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0021	HR	Equipment Operator, Medium, Group 5	125.71	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0022	HR	Equipment Operator, Light, Group 6	123.79	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.19*	
		For Apprentice, Deduct	*-24.76*	
01 22 20 00-0023	HR	Equipment Operator, Light, Group 7	122.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0024	HR	Equipment Operator, Light, Group 8	120.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0025	HR	Glazier	104.77	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.24*	
		For Apprentice, Deduct	*-20.95*	
01 22 20 00-0026	HR	Laborer	91.77	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0027	HR	Landscape Maintenance Laborer	91.77	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0028	HR	Lather	124.81	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.24*	
		For Apprentice, Deduct	*-24.96*	
01 22 20 00-0029	HR	Marble Setter	127.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.38*	
		For Apprentice, Deduct	*-25.54*	
01 22 20 00-0030	HR	Millwright	128.83	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.44*	
		For Apprentice, Deduct	*-25.77*	
01 22 20 00-0031	HR	Mold Removal Worker	95.85	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.79*	
		For Apprentice, Deduct	*-19.17*	
01 22 20 00-0032	HR	Painter, Ordinary	79.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.98*	
		For Apprentice, Deduct	*-15.94*	
01 22 20 00-0033	HR	Painter, Structural Steel	83.07	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.15*	
		For Apprentice, Deduct	*-16.61*	
01 22 20 00-0034	HR	Paperhanger	79.68	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*3.98*	
		For Apprentice, Deduct	*-15.94*	
01 22 20 00-0035	HR	Pile Drivers	144.31	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.22*	
		For Apprentice, Deduct	*-28.86*	
01 22 20 00-0036	HR	Plasterer	121.15	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.06*	
		For Apprentice, Deduct	*-24.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0037	HR	Plumber	121.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.08*	
		For Apprentice, Deduct	*-24.30*	
01 22 20 00-0038	HR	Powderman	96.23	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.81*	
		For Apprentice, Deduct	*-19.25*	
01 22 20 00-0039	HR	Rodman (Reinforcing)/Ornamental Steel Worker	109.97	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.50*	
		For Apprentice, Deduct	*-21.99*	
01 22 20 00-0040	HR	Roofer, Composite	108.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.45*	
		For Apprentice, Deduct	*-21.80*	
01 22 20 00-0041	HR	Roofer, Metal	150.23	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*7.51*	
		For Apprentice, Deduct	*-30.05*	
01 22 20 00-0042	HR	Roofer, Tile/Slate	108.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.45*	
		For Apprentice, Deduct	*-21.80*	
01 22 20 00-0043	HR	Sheet Metal Worker	124.07	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.20*	
		For Apprentice, Deduct	*-24.81*	
01 22 20 00-0044	HR	Sprinkler Installer	95.34	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.77*	
		For Apprentice, Deduct	*-19.07*	
01 22 20 00-0045	HR	Steam / Pipe Fitter	121.51	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.08*	
		For Apprentice, Deduct	*-24.30*	
01 22 20 00-0046	HR	Stone Mason	106.86	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.34*	
		For Apprentice, Deduct	*-21.37*	
01 22 20 00-0047	HR	Iron Worker, Structural	113.33	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.67*	
		For Apprentice, Deduct	*-22.67*	
01 22 20 00-0048	HR	Tile Layer	94.18	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.71*	
		For Apprentice, Deduct	*-18.84*	
01 22 20 00-0049	HR	Terrazzo Worker	120.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*6.00*	
		For Apprentice, Deduct	*-24.01*	
01 22 20 00-0050	HR	Truck Driver, Light, Group 1	99.04	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*4.95*	
		For Apprentice, Deduct	*-19.81*	
01 22 20 00-0051	HR	Truck Driver, Medium, Group 2	99.49	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0052	HR	Truck Driver, Heavy, Group 3	99.93	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Foreperson, Add	*5.00*	
		For Apprentice, Deduct	*-19.99*	
01 22 20 00-0053	HR	Truck Driver, Heavy, Group 4	100.46	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0054	HR	Class I Diver	237.52	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0055	HR	Class III Diver Tender	163.14	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
01 22 20 00-0056	HR	D1 Certified Welder	131.60	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		

01 22 20 00-0057 Rates For Services *(01 22 20)*

01 22 20 00-0058	HR	Watch/Guard Person, Unarmed	37.30	
01 22 20 00-0059	HR	Watch/Guard Person, Armed	45.74	
01 22 20 00-0060	HR	Senior Surveyor, Party Chief	135.19	
01 22 20 00-0061	HR	Surveyor, Instrument Person	121.97	
01 22 20 00-0062	HR	Surveyor, Rod Person	119.93	
01 22 20 00-0063	HR	On-Site Certified Materials Testing Technician	83.52	
01 22 20 00-0064	HR	Certified Industrial Hygienist	114.35	
01 22 20 00-0065	MI	Mileage For Professional Services (Engineering, Surveying, etc.)	0.70	
		Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
01 22 20 00-0066	EA	Security Badge, Processing Fee	92.99	
01 22 20 00-0067	HR	Biologist	132.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0068	HR	Ecologist	145.00	
01 22 20 00-0069	HR	Fire Watch Laborer	91.77	
		Note: Fire watchers shall be required whenever welding or cutting is performed in locations where other than a minor fire might develop, or any of the following conditions exist: (1) Appreciable combustible material, in building construction or contents, closer than 35 feet (10.7 m) to the point of operation. (2) Appreciable combustibles are more than 35 feet (10.7 m) away but are easily ignited by sparks. (3) Wall or floor openings within a 35-foot (10.7 m) radius expose combustible material in adjacent areas including concealed spaces in walls or floors. (4) Combustible materials are adjacent to the opposite side of metal partitions, walls, ceilings, or roofs and are likely to be ignited by conduction or radiation.		
01 22 20 00-0070		Rates For Project Management Services *(01 22 20)*		
		Note: Includes subcontracted rates with burden and mark-up		
01 22 20 00-0071	HR	Project Manager	160.00	
01 22 20 00-0072		Rates For Architectural And Engineering Services *(01 22 20)*		
		Note: For preparation of contract documents, structural and/or design drawings, special investigating requirements or services outside required architectural and engineering services. Includes subcontracted rates with burden and mark-up		
01 22 20 00-0073	HR	Principal Architect	243.20	
01 22 20 00-0074	HR	Senior Architect	179.20	
01 22 20 00-0075	HR	Architect	140.80	
01 22 20 00-0076	HR	Principal Engineer	209.92	
01 22 20 00-0077	HR	Senior Engineer	174.08	
01 22 20 00-0078	HR	Engineer	136.96	
01 22 20 00-0079	HR	Draft Person	71.68	
01 22 20 00-0080		Rates For Traffic Control *(01 22 20)*		
01 22 20 00-0081	HR	Flagperson For Traffic Control	91.77	
01 22 20 00-0082	DAY	Pilot Vehicle With Driver	1,137.10	
		Note: Includes radio, "Follow Me" sign, "Wait For Pilot Car" signs on barricades where required.		
01 22 20 00-0083	HR	Highway Patrol Officer With Car	50.74	
		For Each Mile, Add	*0.70*	
01 22 20 00-0084	HR	Highway Patrol Officer With Motorcycle	48.24	
		For Each Mile, Add	*0.70*	
01 22 20 00-0085	HR	Highway Patrol Sergeant Officer With Car	59.89	
		For Each Mile, Add	*0.70*	
01 22 20 00-0086	HR	Highway Patrol Sergeant Officer With Motorcycle	57.39	
		For Each Mile, Add	*0.70*	
01 22 20 00-0087		Mobilize Equipment *(01 22 20)*		
01 22 20 00-0088	HR	Escort Vehicle With Driver	102.81	
01 22 20 00-0089	HR	Transport Vehicle With Driver	138.86	
01 22 23		**Equipment Usage** *(01 22)*		
		Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0080 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.		
01 22 23 00-0001		Aerial Equipment *(01 22 23)*		
01 22 23 00-0002		Man Lifts *(01 22 23 00-0001)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-0003		Telescoping Boom Man Lifts With Platform *(01 22 23 00-0002)*		
01 22 23 00-0004		Engine Powered, Telescoping Boom Man Lifts With Platform *(01 22 23 00-0003)*		
		Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.		
01 22 23 00-0005	DAY	40' Engine Powered, Telescoping Boom Man Lift With Platform	500.28	
		For Four-Wheel Drive, Add	*112.56*	
		For Half Day Usage, Deduct	*-156.34*	
01 22 23 00-0006	WK	40' Engine Powered, Telescoping Boom Man Lift With Platform	1,258.76	
		For Four-Wheel Drive, Add	*283.22*	
01 22 23 00-0007	MO	40' Engine Powered, Telescoping Boom Man Lift With Platform	2,824.15	
		For Four-Wheel Drive, Add	*635.43*	
		For >6 Months (>26 Weeks), Deduct	*-112.97*	
01 22 23 00-0008	DAY	60' Engine Powered, Telescoping Boom Man Lift With Platform	734.28	
		For Four-Wheel Drive, Add	*165.21*	
		For Half Day Usage, Deduct	*-229.46*	
01 22 23 00-0009	WK	60' Engine Powered, Telescoping Boom Man Lift With Platform	1,750.97	
		For Four-Wheel Drive, Add	*393.97*	
01 22 23 00-0010	MO	60' Engine Powered, Telescoping Boom Man Lift With Platform	3,832.78	
		For Four-Wheel Drive, Add	*862.38*	
		For >6 Months (>26 Weeks), Deduct	*-153.31*	
01 22 23 00-0011	DAY	80' Engine Powered, Telescoping Boom Man Lift With Platform	1,428.21	
		For Four-Wheel Drive, Add	*321.35*	
		For Half Day Usage, Deduct	*-446.32*	
01 22 23 00-0012	WK	80' Engine Powered, Telescoping Boom Man Lift With Platform	3,461.60	
		For Four-Wheel Drive, Add	*778.86*	

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	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0013		MO	80' Engine Powered, Telescoping Boom Man Lift With Platform	7,262.10	
			For Four-Wheel Drive, Add	*1,633.97*	
			For >6 Months (>26 Weeks), Deduct	*-290.48*	
01 22 23 00-0014		DAY	110' Engine Powered, Telescoping Boom Man Lift With Platform	2,033.39	
			For Four-Wheel Drive, Add	*457.51*	
			For Half Day Usage, Deduct	*-635.43*	
01 22 23 00-0015		WK	110' Engine Powered, Telescoping Boom Man Lift With Platform	4,896.27	
			For Four-Wheel Drive, Add	*1,101.66*	
01 22 23 00-0016		MO	110' Engine Powered, Telescoping Boom Man Lift With Platform	12,200.33	
			For Four-Wheel Drive, Add	*2,745.07*	
			For >6 Months (>26 Weeks), Deduct	*-488.01*	
01 22 23 00-0017		DAY	120' Engine Powered, Telescoping Boom Man Lift With Platform	2,477.18	
			For Four-Wheel Drive, Add	*557.37*	
			For Half Day Usage, Deduct	*-774.12*	
01 22 23 00-0018		WK	120' Engine Powered, Telescoping Boom Man Lift With Platform	6,318.03	
			For Four-Wheel Drive, Add	*1,421.56*	
01 22 23 00-0019		MO	120' Engine Powered, Telescoping Boom Man Lift With Platform	14,362.82	
			For Four-Wheel Drive, Add	*3,231.63*	
			For >6 Months (>26 Weeks), Deduct	*-574.51*	

01 22 23 00-0020 Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0002)*

01 22 23 00-0021 Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0022		DAY	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	450.70	
			For Half Day Usage, Deduct	*-140.84*	
01 22 23 00-0023		WK	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,130.84	
01 22 23 00-0024		MO	34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,720.57	
			For >6 Months (>26 Weeks), Deduct	*-108.82*	
01 22 23 00-0025		DAY	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	573.62	
			For Half Day Usage, Deduct	*-179.26*	
01 22 23 00-0026		WK	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,253.76	
01 22 23 00-0027		MO	45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,112.27	
			For >6 Months (>26 Weeks), Deduct	*-124.49*	
01 22 23 00-0028		DAY	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	737.50	
			For Half Day Usage, Deduct	*-230.47*	
01 22 23 00-0029		WK	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,704.46	
01 22 23 00-0030		MO	60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,810.44	
			For >6 Months (>26 Weeks), Deduct	*-152.42*	
01 22 23 00-0031		DAY	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	1,286.54	
			For Half Day Usage, Deduct	*-402.04*	
01 22 23 00-0032		WK	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	3,031.96	
01 22 23 00-0033		MO	80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	7,373.41	
			For >6 Months (>26 Weeks), Deduct	*-294.94*	
01 22 23 00-0034		DAY	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	2,499.32	
			For Half Day Usage, Deduct	*-781.04*	
01 22 23 00-0035		WK	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	5,900.04	
01 22 23 00-0036		MO	125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform	14,422.32	
			For >6 Months (>26 Weeks), Deduct	*-576.89*	

01 22 23 00-0037 Electric, Articulating (Up/Over) Boom Man Lifts With Platform *(01 22 23 00-0020)*

Note: For use on paved surfaces.

01 22 23 00-0038		DAY	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	450.70	
			For Half Day Usage, Deduct	*-140.84*	
01 22 23 00-0039		WK	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,130.84	
01 22 23 00-0040		MO	30' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,720.57	
			For >6 Months (>26 Weeks), Deduct	*-108.82*	
01 22 23 00-0041		DAY	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	450.70	
			For Half Day Usage, Deduct	*-140.84*	
01 22 23 00-0042		WK	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,130.84	
01 22 23 00-0043		MO	35' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,720.57	
			For >6 Months (>26 Weeks), Deduct	*-108.82*	
01 22 23 00-0044		DAY	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	557.23	
			For Half Day Usage, Deduct	*-174.13*	
01 22 23 00-0045		WK	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,204.59	
01 22 23 00-0046		MO	40' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,990.99	
			For >6 Months (>26 Weeks), Deduct	*-119.64*	
01 22 23 00-0047		DAY	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	557.23	
			For Half Day Usage, Deduct	*-174.13*	
01 22 23 00-0048		WK	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	1,204.59	
01 22 23 00-0049		MO	45' Electric, Articulating (Up/Over) Boom Man Lift With Platform	2,990.99	
			For >6 Months (>26 Weeks), Deduct	*-119.64*	

01 22 23 00-0050 Platform Lifts *(01 22 23 00-0001)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0051 Electric, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: For use on paved surfaces.

01 22 23 00-0052		DAY	17' Electric, Scissor Platform Lift	191.12	
			For Half Day Usage, Deduct	*-59.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift	382.25	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift	781.88	
		For >6 Months (>26 Weeks), Deduct	*-31.28*	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift	208.50	
		For Half Day Usage, Deduct	*-65.16*	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift	417.00	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift	834.00	
		For >6 Months (>26 Weeks), Deduct	*-33.36*	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift	269.31	
		For Half Day Usage, Deduct	*-84.16*	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift	538.62	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift	1,155.44	
		For >6 Months (>26 Weeks), Deduct	*-46.22*	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift	347.50	
		For Half Day Usage, Deduct	*-108.59*	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift	686.31	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift	1,520.31	
		For >6 Months (>26 Weeks), Deduct	*-60.81*	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift	373.56	
		For Half Day Usage, Deduct	*-116.74*	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift	729.75	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift	1,650.62	
		For >6 Months (>26 Weeks), Deduct	*-66.02*	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift	486.50	
		For Half Day Usage, Deduct	*-152.03*	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift	1,207.56	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift	3,362.06	
		For >6 Months (>26 Weeks), Deduct	*-134.48*	

01 22 23 00-0070 Engine Powered, Scissor Platform Lifts *(01 22 23 00-0050)*

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift	440.53	
		For Four-Wheel Drive, Add	*88.11*	
		For Half Day Usage, Deduct	*-137.67*	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift	861.48	
		For Four-Wheel Drive, Add	*172.30*	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift	2,104.74	
		For Four-Wheel Drive, Add	*420.95*	
		For >6 Months (>26 Weeks), Deduct	*-84.19*	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift	450.32	
		For Four-Wheel Drive, Add	*90.06*	
		For Half Day Usage, Deduct	*-140.73*	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift	1,027.90	
		For Four-Wheel Drive, Add	*205.58*	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift	2,251.58	
		For Four-Wheel Drive, Add	*450.32*	
		For >6 Months (>26 Weeks), Deduct	*-90.06*	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift	499.26	
		For Four-Wheel Drive, Add	*99.85*	
		For Half Day Usage, Deduct	*-156.02*	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift	1,145.37	
		For Four-Wheel Drive, Add	*229.07*	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift	2,545.27	
		For Four-Wheel Drive, Add	*509.05*	
		For >6 Months (>26 Weeks), Deduct	*-101.81*	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift	528.63	
		For Four-Wheel Drive, Add	*105.73*	
		For Half Day Usage, Deduct	*-165.20*	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift	1,233.48	
		For Four-Wheel Drive, Add	*246.70*	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift	3,034.74	
		For Four-Wheel Drive, Add	*606.95*	
		For >6 Months (>26 Weeks), Deduct	*-121.39*	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift	988.74	
		For Four-Wheel Drive, Add	*197.75*	
		For Half Day Usage, Deduct	*-308.98*	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift	2,173.27	
		For Four-Wheel Drive, Add	*434.65*	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift	5,345.07	
		For Four-Wheel Drive, Add	*1,069.01*	
		For >6 Months (>26 Weeks), Deduct	*-213.80*	

01 22 23 00-0086 Personnel Lifts *(01 22 23 00-0001)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift	133.50	
		For Half Day Usage, Deduct	*-41.72*	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift	378.24	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift	763.90	
		For >6 Months (>26 Weeks), Deduct	*-30.56*	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift	185.41	
		For Half Day Usage, Deduct	*-57.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift	393.07	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift	1,334.97	
		For >6 Months (>26 Weeks), Deduct	*-53.40*	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift	311.49	
		For Half Day Usage, Deduct	*-97.34*	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift	756.48	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift	2,210.12	
		For >6 Months (>26 Weeks), Deduct	*-88.40*	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift	333.74	
		For Half Day Usage, Deduct	*-104.29*	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift	830.65	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift	2,499.36	
		For >6 Months (>26 Weeks), Deduct	*-99.97*	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift	178.00	
		For Half Day Usage, Deduct	*-55.63*	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift	355.99	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift	711.98	
		For >6 Months (>26 Weeks), Deduct	*-28.48*	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift	178.00	
		For Half Day Usage, Deduct	*-55.63*	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift	355.99	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift	740.17	
		For >6 Months (>26 Weeks), Deduct	*-29.61*	

01 22 23 00-0105 Bucket Trucks *(01 22 23 00-0001)*

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator	1,498.42	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-618.16*	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator	6,094.21	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator	22,659.38	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-213.49*	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator	1,587.38	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-645.96*	
01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	6,380.14	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	23,421.86	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-243.99*	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	1,816.12	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-717.44*	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	6,793.15	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	24,311.42	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-279.58*	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,324.44	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-876.29*	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	8,445.19	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	28,759.22	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-457.49*	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,578.60	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-955.72*	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	9,334.75	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	31,936.22	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-584.57*	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,705.68	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-995.43*	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	9,715.99	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	32,241.21	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-596.77*	

01 22 23 00-0124 Air Equipment *(01 22 23)*

01 22 23 00-0125 Air Compressors *(01 22 23 00-0124)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	194.24	
		For Half Day Usage, Deduct	*-60.70*	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	582.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,618.69	
		For >6 Months (>26 Weeks), Deduct	*-64.75*	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	233.09	
		For Half Day Usage, Deduct	*-72.84*	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	686.32	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,942.42	
		For >6 Months (>26 Weeks), Deduct	*-77.70*	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	310.79	
		For Half Day Usage, Deduct	*-97.12*	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	699.27	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,540.99	
		For >6 Months (>26 Weeks), Deduct	*-61.64*	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	440.28	
		For Half Day Usage, Deduct	*-137.59*	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	1,113.66	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,654.65	
		For >6 Months (>26 Weeks), Deduct	*-106.19*	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	978.98	
		For Half Day Usage, Deduct	*-305.93*	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	2,356.81	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	5,873.89	
		For >6 Months (>26 Weeks), Deduct	*-234.96*	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	1,178.40	
		For Half Day Usage, Deduct	*-368.25*	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,900.69	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	7,122.22	
		For >6 Months (>26 Weeks), Deduct	*-284.89*	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	1,178.40	
		For Half Day Usage, Deduct	*-368.25*	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,900.69	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	7,122.22	
		For >6 Months (>26 Weeks), Deduct	*-284.89*	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,372.65	
		For Half Day Usage, Deduct	*-428.95*	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	3,076.80	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	8,204.80	
		For >6 Months (>26 Weeks), Deduct	*-328.19*	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,709.33	
		For Half Day Usage, Deduct	*-534.17*	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	3,846.00	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	10,256.00	
		For >6 Months (>26 Weeks), Deduct	*-410.24*	

01 22 23 00-0153 Portable Negative Air Machines *(01 22 23 00-0124)*

Note: A Negative Air Machine is used in a sealed containment area to filter air and exhaust the filtered air through ducting to a location outside the sealed containment area. Includes delivery to job site and pick-up when complete. Excludes all filters and duct.

01 22 23 00-0154	DAY	Up To 2,000 CFM, Portable Negative Air Machine	109.47	
		For Half Day Usage, Deduct	*-34.21*	
01 22 23 00-0155	WK	Up To 2,000 CFM, Portable Negative Air Machine	449.63	
01 22 23 00-0156	MO	Up To 2,000 CFM, Portable Negative Air Machine	1,358.66	
		For >6 Months (>26 Weeks), Deduct	*-54.35*	
01 22 23 00-0157	EA	First Stage Pre-Filter For Portable Negative Air Machines	13.58	
01 22 23 00-0158	EA	Second Stage Pre-Filter For Portable Negative Air Machines	27.34	
01 22 23 00-0159	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Negative Air Machines	128.68	
01 22 23 00-0160	LF	Flexible Exhaust Duct For Portable Negative Air Machines	2.48	

01 22 23 00-0161 Portable Air Scrubbers *(01 22 23 00-0124)*

Note: A Portable Air Scrubber filters and recirculates the filtered air into the same space and does not use ducting to exhaust the filtered air to a different location. Includes delivery to job site and pick-up when complete. Excludes all filters.

01 22 23 00-0162	DAY	Up To 1,000 CFM, Portable Air Scrubber	60.08	
		For Half Day Usage, Deduct	*-18.78*	
01 22 23 00-0163	WK	Up To 1,000 CFM, Portable Air Scrubber	249.75	
01 22 23 00-0164	MO	Up To 1,000 CFM, Portable Air Scrubber	691.32	
		For >6 Months (>26 Weeks), Deduct	*-27.65*	
01 22 23 00-0165	DAY	>1,000 to 2,000 CFM, Portable Air Scrubber	76.01	
		For Half Day Usage, Deduct	*-23.75*	
01 22 23 00-0166	WK	>1,000 to 2,000 CFM, Portable Air Scrubber	314.90	
01 22 23 00-0167	MO	>1,000 to 2,000 CFM, Portable Air Scrubber	922.97	
		For >6 Months (>26 Weeks), Deduct	*-36.92*	
01 22 23 00-0168	DAY	>2,000 To 5,000 CFM, Portable Air Scrubber	97.73	
		For Half Day Usage, Deduct	*-30.54*	
01 22 23 00-0169	WK	>2,000 To 5,000 CFM, Portable Air Scrubber	416.24	
01 22 23 00-0170	MO	>2,000 To 5,000 CFM, Portable Air Scrubber	1,165.48	
		For >6 Months (>26 Weeks), Deduct	*-46.62*	
01 22 23 00-0171	EA	First Stage Pre-Filter For Portable Air Scrubbers	17.93	
01 22 23 00-0172	EA	Second Stage Pre-Filter For Portable Air Scrubbers	23.72	
01 22 23 00-0173	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Portable Air Scrubbers	215.55	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-0174 Compaction And Paving Equipment *(01 22 23)*

01 22 23 00-0175 Pavers And Rollers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0176 Pavers *(01 22 23 00-0175)*

01 22 23 00-0177	DAY	10' Wide Paving Machine With Full-Time Operator	4,592.19	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,629.43*	
01 22 23 00-0178	WK	10' Wide Paving Machine With Full-Time Operator	19,405.34	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0179	MO	10' Wide Paving Machine With Full-Time Operator	73,254.70	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-2,031.79*	

01 22 23 00-0180 Ride-On Self-Propelled, Rubber Tire Rollers *(01 22 23 00-0175)*

01 22 23 00-0181	DAY	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,384.21	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-626.93*	
01 22 23 00-0182	WK	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	6,234.38	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0183	MO	10 To 12 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	25,313.89	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-114.15*	
01 22 23 00-0184	DAY	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	1,518.36	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-668.85*	
01 22 23 00-0185	WK	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	7,232.01	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0186	MO	15 Ton, Ride-On Self-Propelled, 9 Wheel Rubber-Tire Roller With Full-Time Operator	26,820.10	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-174.40*	
01 22 23 00-0187	DAY	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	1,524.46	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-670.76*	
01 22 23 00-0188	WK	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	6,835.64	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0189	MO	30 Ton, Ride-On Self-Propelled, 11 Wheel Rubber-Tire Roller With Full-Time Operator	27,112.80	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-186.11*	

01 22 23 00-0190 Ride-On Self-Propelled, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0191	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,439.09	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-644.08*	
01 22 23 00-0192	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,299.01	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0193	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,685.87	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-129.03*	
01 22 23 00-0194	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,695.20	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-724.12*	
01 22 23 00-0195	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,817.34	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0196	MO	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,320.14	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-194.40*	
01 22 23 00-0197	DAY	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,756.18	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-743.17*	
01 22 23 00-0198	WK	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,201.52	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0199	MO	10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	28,393.38	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-237.33*	

01 22 23 00-0200 Towed, Padfoot Rollers *(01 22 23 00-0175)*

01 22 23 00-0201	DAY	48" Wide, 40" Diameter, Towed Padfoot Roller	115.86	
		For Half Day Usage, Deduct	*-36.21*	
01 22 23 00-0202	WK	48" Wide, 40" Diameter, Towed Padfoot Roller	335.39	
01 22 23 00-0203	MO	48" Wide, 40" Diameter, Towed Padfoot Roller	987.88	
		For >6 Months (>26 Weeks), Deduct	*-39.52*	
01 22 23 00-0204	DAY	60" Wide, 60" Diameter, Towed Padfoot Roller	146.35	
		For Half Day Usage, Deduct	*-45.73*	
01 22 23 00-0205	WK	60" Wide, 60" Diameter, Towed Padfoot Roller	408.57	
01 22 23 00-0206	MO	60" Wide, 60" Diameter, Towed Padfoot Roller	1,737.93	
		For >6 Months (>26 Weeks), Deduct	*-69.52*	

01 22 23 00-0207 Static Rollers *(01 22 23 00-0175)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0208	DAY	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,469.58	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-653.61*	
01 22 23 00-0209	WK	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,561.23	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0210	MO	5 Ton, 2 Drum Articulated Roller With Full-Time Operator	26,545.69	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-163.43*	
01 22 23 00-0211	DAY	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	1,603.73	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-695.53*	
01 22 23 00-0212	WK	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	6,927.11	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0213	MO	8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator	27,557.96	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-203.92*	

01 22 23 00-0214 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers *(01 22 23 00-0175)*

01 22 23 00-0215	DAY	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,426.89	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-640.27*	
01 22 23 00-0216	WK	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,335.60	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0217	MO	5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	25,509.03	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-121.96*	
01 22 23 00-0218	DAY	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,506.17	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-665.04*	
01 22 23 00-0219	WK	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	6,567.33	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0220	MO	8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	26,112.73	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-146.11*	
01 22 23 00-0221	DAY	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,664.71	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-714.59*	
01 22 23 00-0222	WK	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,030.77	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0223	MO	11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	27,338.43	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-195.14*	

01 22 23 00-0224 Steel Roadway Plates *(01 22 23 00-0174)*

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0225 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0225	EA	Placement And Removal Of Steel Roadway Plates	59.54	
01 22 23 00-0226	DAY	1" x 4' x 8' Steel Plate	44.88	
01 22 23 00-0227	WK	1" x 4' x 8' Steel Plate	105.98	
01 22 23 00-0228	MO	1" x 4' x 8' Steel Plate	139.47	
		For >6 Months (>26 Weeks), Deduct	*-5.58*	
01 22 23 00-0229	DAY	1" x 4' x 10' Steel Plate	59.85	
01 22 23 00-0230	WK	1" x 4' x 10' Steel Plate	134.65	
01 22 23 00-0231	MO	1" x 4' x 10' Steel Plate	164.58	
		For >6 Months (>26 Weeks), Deduct	*-6.58*	
01 22 23 00-0232	DAY	1" x 5' x 10' Steel Plate	62.34	
01 22 23 00-0233	WK	1" x 5' x 10' Steel Plate	140.89	
01 22 23 00-0234	MO	1" x 5' x 10' Steel Plate	374.04	
		For >6 Months (>26 Weeks), Deduct	*-14.96*	
01 22 23 00-0235	DAY	1" x 6' x 8' Steel Plate	39.90	
01 22 23 00-0236	WK	1" x 6' x 8' Steel Plate	89.77	
01 22 23 00-0237	MO	1" x 6' x 8' Steel Plate	239.39	
		For >6 Months (>26 Weeks), Deduct	*-9.58*	
01 22 23 00-0238	DAY	1" x 6' x 10' Steel Plate	74.81	
01 22 23 00-0239	WK	1" x 6' x 10' Steel Plate	98.50	
01 22 23 00-0240	MO	1" x 6' x 10' Steel Plate	263.07	
		For >6 Months (>26 Weeks), Deduct	*-10.52*	
01 22 23 00-0241	DAY	1" x 6' x 12' Steel Plate	104.73	
01 22 23 00-0242	WK	1" x 6' x 12' Steel Plate	134.03	
01 22 23 00-0243	MO	1" x 6' x 12' Steel Plate	362.82	
		For >6 Months (>26 Weeks), Deduct	*-14.51*	
01 22 23 00-0244	DAY	1" x 8' x 10' Steel Plate	66.08	
01 22 23 00-0245	WK	1" x 8' x 10' Steel Plate	148.37	
01 22 23 00-0246	MO	1" x 8' x 10' Steel Plate	395.24	
		For >6 Months (>26 Weeks), Deduct	*-15.81*	
01 22 23 00-0247	DAY	1" x 8' x 12' Steel Plate	119.69	
01 22 23 00-0248	WK	1" x 8' x 12' Steel Plate	148.37	
01 22 23 00-0249	MO	1" x 8' x 12' Steel Plate	718.16	
		For >6 Months (>26 Weeks), Deduct	*-28.73*	
01 22 23 00-0250	DAY	1" x 8' x 16' Steel Plate	159.59	
01 22 23 00-0251	WK	1" x 8' x 16' Steel Plate	359.08	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0252	MO	1" x 8' x 16' Steel Plate	957.54	
		For >6 Months (>26 Weeks), Deduct	*-38.30*	
01 22 23 00-0253	DAY	1-1/4" x 8' x 10' Steel Plate	79.30	
01 22 23 00-0254	WK	1-1/4" x 8' x 10' Steel Plate	178.04	
01 22 23 00-0255	MO	1-1/4" x 8' x 10' Steel Plate	474.28	
		For >6 Months (>26 Weeks), Deduct	*-18.97*	
01 22 23 00-0256	DAY	1-1/2" x 8' x 15' Steel Plate	183.53	
01 22 23 00-0257	WK	1-1/2" x 8' x 15' Steel Plate	412.94	
01 22 23 00-0258	MO	1-1/2" x 8' x 15' Steel Plate	1,101.17	
		For >6 Months (>26 Weeks), Deduct	*-44.05*	
01 22 23 00-0259	LF	Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate	2.61	1.13
01 22 23 00-0260	EA	Removal And Resetting Of Steel Roadway Plate	33.08	

01 22 23 00-0261 Street Sweepers *(01 22 23 00-0174)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0262	DAY	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	1,208.53	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-563.35*	
01 22 23 00-0263	WK	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	5,816.26	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0264	MO	8' Road Broom, Self-Propelled Street Sweeper With Full-Time Operator	24,537.47	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-123.24*	
01 22 23 00-0265	DAY	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	2,569.05	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-988.51*	
01 22 23 00-0266	WK	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	11,275.21	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0267	MO	Self-Propelled Street Sweeper With Hopper And Full-Time Operator Note: Truck with main and gutter brooms, elevator, debris hopper and water tank.	44,024.31	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-902.71*	

01 22 23 00-0268 Earthmoving Equipment *(01 22 23)*

01 22 23 00-0269 Skid-Steer Loaders *(01 22 23 00-0268)*

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

01 22 23 00-0270	DAY	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	1,408.57	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-625.86*	
01 22 23 00-0271	WK	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	6,048.81	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0272	MO	700 Lb. Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator	24,099.17	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-105.71*	
01 22 23 00-0273	DAY	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	1,518.83	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-660.32*	
01 22 23 00-0274	WK	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	6,248.32	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0275	MO	1,500 To 1,700 Lb. Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator	24,536.70	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-123.21*	
01 22 23 00-0276	DAY	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	1,550.33	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-670.16*	
01 22 23 00-0277	WK	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	6,535.34	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0278	MO	2,000 To 2,400 Lb. Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator	25,297.99	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-153.66*	
01 22 23 00-0279	DAY	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,672.84	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-708.44*	
01 22 23 00-0280	WK	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	6,937.86	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0281	MO	2,500 To 2,700 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	26,628.07	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-206.86*	
01 22 23 00-0282	DAY	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	1,882.85	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-774.07*	
01 22 23 00-0283	WK	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	7,734.16	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0284	MO	3,200 To 3,500 Lb. Capacity, 78" Wide, Tracked Skid-Steer Loader With Full-Time Operator	28,588.18	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-285.27*	
01 22 23 00-0285	DAY	Hydraulic Hammer Attachment For Skid-Steer Loaders	350.02	
		For Half Day Usage, Deduct	*-109.38*	
01 22 23 00-0286	WK	Hydraulic Hammer Attachment For Skid-Steer Loaders	1,163.82	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0287	MO	Hydraulic Hammer Attachment For Skid-Steer Loaders	3,097.68	
		For >6 Months (>26 Weeks), Deduct	*-123.91*	
01 22 23 00-0288	DAY	Forklift Attachment For Skid-Steer Loaders	75.25	
		For Half Day Usage, Deduct	*-23.52*	
01 22 23 00-0289	WK	Forklift Attachment For Skid-Steer Loaders	201.26	
01 22 23 00-0290	MO	Forklift Attachment For Skid-Steer Loaders	568.78	
		For >6 Months (>26 Weeks), Deduct	*-22.75*	
01 22 23 00-0291	DAY	Backhoe Attachment For Skid-Steer Loaders	166.26	
		For Half Day Usage, Deduct	*-51.96*	
01 22 23 00-0292	WK	Backhoe Attachment For Skid-Steer Loaders	399.02	
01 22 23 00-0293	MO	Backhoe Attachment For Skid-Steer Loaders	992.31	
		For >6 Months (>26 Weeks), Deduct	*-39.69*	
01 22 23 00-0294	DAY	Broom Attachment For Skid-Steer Loaders	164.51	
		For Half Day Usage, Deduct	*-51.41*	
01 22 23 00-0295	WK	Broom Attachment For Skid-Steer Loaders	446.28	
01 22 23 00-0296	MO	Broom Attachment For Skid-Steer Loaders	1,181.32	
		For >6 Months (>26 Weeks), Deduct	*-47.25*	
01 22 23 00-0297	DAY	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	143.51	
		For Half Day Usage, Deduct	*-44.85*	
01 22 23 00-0298	WK	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	395.52	
01 22 23 00-0299	MO	Auger Attachment For Skid-Steer Loaders Note: Excludes bits and extensions	1,079.81	
		For >6 Months (>26 Weeks), Deduct	*-43.19*	
01 22 23 00-0300	DAY	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	39.55	
		For Half Day Usage, Deduct	*-12.36*	
01 22 23 00-0301	WK	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	103.48	
01 22 23 00-0302	MO	Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	304.36	
		For >6 Months (>26 Weeks), Deduct	*-12.17*	
01 22 23 00-0303	DAY	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	53.26	
		For Half Day Usage, Deduct	*-16.64*	
01 22 23 00-0304	WK	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	132.40	
01 22 23 00-0305	MO	>18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	395.68	
		For >6 Months (>26 Weeks), Deduct	*-15.83*	
01 22 23 00-0306	DAY	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	77.60	
		For Half Day Usage, Deduct	*-24.25*	
01 22 23 00-0307	WK	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	235.90	
01 22 23 00-0308	MO	Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers Note: Excludes auger attachment	700.04	
		For >6 Months (>26 Weeks), Deduct	*-28.00*	
01 22 23 00-0309	DAY	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	15.75	
		For Half Day Usage, Deduct	*-4.92*	
01 22 23 00-0310	WK	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	36.75	
01 22 23 00-0311	MO	2' Length, Auger Bit Extension For Skid-Steer Mounted Augers Note: Excludes auger attachment	98.01	
		For >6 Months (>26 Weeks), Deduct	*-3.92*	

01 22 23 00-0312 Bulldozers *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0313	DAY	70 HP, D3 Bulldozer With Full-Time Operator	1,442.65	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-645.19*	
01 22 23 00-0314	WK	70 HP, D3 Bulldozer With Full-Time Operator	6,784.23	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0315	MO	70 HP, D3 Bulldozer With Full-Time Operator	27,209.85	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-189.99*	
01 22 23 00-0316	DAY	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	1,634.18	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-705.05*	
01 22 23 00-0317	WK	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	7,557.99	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0318	MO	90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator	29,584.76	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-284.99*	
01 22 23 00-0319	DAY	140 HP, D6 Bulldozer With Full-Time Operator	2,178.11	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-875.03*	
01 22 23 00-0320	WK	140 HP, D6 Bulldozer With Full-Time Operator	9,733.71	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0321	MO	140 HP, D6 Bulldozer With Full-Time Operator	36,096.61	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-545.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0322	DAY	200 HP, D7 Bulldozer With Full-Time Operator	2,660.75	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,025.85*	
01 22 23 00-0323	WK	200 HP, D7 Bulldozer With Full-Time Operator	11,671.95	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0324	MO	200 HP, D7 Bulldozer With Full-Time Operator	41,918.97	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-778.36*	
01 22 23 00-0325	DAY	335 HP, D8 Bulldozer With Full-Time Operator	3,235.33	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,205.41*	
01 22 23 00-0326	WK	335 HP, D8 Bulldozer With Full-Time Operator	13,970.25	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0327	MO	335 HP, D8 Bulldozer With Full-Time Operator	48,813.87	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,054.15*	
01 22 23 00-0328	DAY	460 HP, D9 Bulldozer With Full-Time Operator	3,557.09	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,305.96*	
01 22 23 00-0329	WK	460 HP, D9 Bulldozer With Full-Time Operator	15,249.63	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0330	MO	460 HP, D9 Bulldozer With Full-Time Operator	52,644.37	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,207.37*	

01 22 23 00-0331 Motor Scraper *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0332	DAY	11 CY Motor Scraper-Hauler With Full-Time Operator	2,379.09	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-937.83*	
01 22 23 00-0333	WK	11 CY Motor Scraper-Hauler With Full-Time Operator	10,552.96	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0334	MO	11 CY Motor Scraper-Hauler With Full-Time Operator	38,551.28	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-643.65*	
01 22 23 00-0335	DAY	18 CY Motor Scraper-Hauler With Full-Time Operator	2,921.60	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,107.37*	
01 22 23 00-0336	WK	18 CY Motor Scraper-Hauler With Full-Time Operator	12,722.98	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0337	MO	18 CY Motor Scraper-Hauler With Full-Time Operator	45,079.73	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-904.79*	
01 22 23 00-0338	DAY	24 CY Motor Scraper-Hauler With Full-Time Operator	3,445.71	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,271.15*	
01 22 23 00-0339	WK	24 CY Motor Scraper-Hauler With Full-Time Operator	14,810.24	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0340	MO	24 CY Motor Scraper-Hauler With Full-Time Operator	51,332.33	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,154.89*	

01 22 23 00-0341 Hydraulic Excavators *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0342	DAY	3/8 CY Hydraulic Excavator With Full-Time Operator	1,412.97	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-635.92*	
01 22 23 00-0343	WK	3/8 CY Hydraulic Excavator With Full-Time Operator	6,514.25	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0344	MO	3/8 CY Hydraulic Excavator With Full-Time Operator	26,920.51	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-178.42*	
01 22 23 00-0345	DAY	1/2 CY Hydraulic Excavator With Full-Time Operator	1,518.91	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-669.03*	
01 22 23 00-0346	WK	1/2 CY Hydraulic Excavator With Full-Time Operator	6,981.21	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0347	MO	1/2 CY Hydraulic Excavator With Full-Time Operator	28,788.34	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-253.13*	
01 22 23 00-0348	DAY	5/8 CY Hydraulic Excavator With Full-Time Operator	1,552.36	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-679.48*	
01 22 23 00-0349	WK	5/8 CY Hydraulic Excavator With Full-Time Operator	7,155.45	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0350	MO	5/8 CY Hydraulic Excavator With Full-Time Operator	29,094.99	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-265.40*	
01 22 23 00-0351	DAY	3/4 CY Hydraulic Excavator With Full-Time Operator	1,587.21	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-690.37*	
01 22 23 00-0352	WK	3/4 CY Hydraulic Excavator With Full-Time Operator	7,315.75	
		For Equipment Without Operator, Deduct	*-5,183.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0353	MO	3/4 CY Hydraulic Excavator With Full-Time Operator	29,401.65	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-277.66*	
01 22 23 00-0354	DAY	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	1,615.09	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-699.08*	
01 22 23 00-0355	WK	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	7,483.02	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0356	MO	7/8 To 1 CY Hydraulic Excavator With Full-Time Operator	29,708.31	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-289.93*	
01 22 23 00-0357	DAY	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	1,991.44	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-816.69*	
01 22 23 00-0358	WK	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	8,981.46	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0359	MO	1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator	33,855.16	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-455.81*	
01 22 23 00-0360	DAY	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	2,047.20	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-834.12*	
01 22 23 00-0361	WK	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	9,225.39	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0362	MO	1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator	34,586.96	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-485.08*	
01 22 23 00-0363	DAY	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	2,151.74	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-866.79*	
01 22 23 00-0364	WK	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	9,643.56	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0365	MO	1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator	35,841.47	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-535.26*	
01 22 23 00-0366	DAY	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	2,270.22	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-903.81*	
01 22 23 00-0367	WK	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	10,110.52	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0368	MO	2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator	37,235.37	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-591.01*	
01 22 23 00-0369	DAY	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	2,305.07	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-914.70*	
01 22 23 00-0370	WK	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	10,249.91	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0371	MO	2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator	37,653.54	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-607.74*	
01 22 23 00-0372	DAY	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	2,639.60	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,019.24*	
01 22 23 00-0373	WK	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	11,595.02	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0374	MO	3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator	41,695.85	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-769.43*	
01 22 23 00-0375	DAY	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	3,120.50	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,169.52*	
01 22 23 00-0376	WK	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	13,504.66	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0377	MO	4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator	47,410.84	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-998.03*	
01 22 23 00-0378	DAY	6 To 11 CY Hydraulic Excavator With Full-Time Operator	3,712.91	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,354.65*	
01 22 23 00-0379	WK	6 To 11 CY Hydraulic Excavator With Full-Time Operator	15,874.29	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0380	MO	6 To 11 CY Hydraulic Excavator With Full-Time Operator	54,519.73	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,282.39*	
01 22 23 00-0381	DAY	Thumbs Or Grapple Attachment For Hydraulic Excavators	97.57	
		For Half Day Usage, Deduct	*-30.49*	
01 22 23 00-0382	WK	Thumbs Or Grapple Attachment For Hydraulic Excavators	376.35	
01 22 23 00-0383	MO	Thumbs Or Grapple Attachment For Hydraulic Excavators	1,115.12	
		For >6 Months (>26 Weeks), Deduct	*-44.60*	
01 22 23 00-0384	DAY	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	432.11	
		For Half Day Usage, Deduct	*-135.03*	
01 22 23 00-0385	WK	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,143.00	
01 22 23 00-0386	MO	1,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	3,199.00	
		For >6 Months (>26 Weeks), Deduct	*-127.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0387	DAY	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	669.07	
		For Half Day Usage, Deduct	*-209.08*	
01 22 23 00-0388	WK	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	1,707.53	
01 22 23 00-0389	MO	1,500 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	4,439.57	
		For >6 Months (>26 Weeks), Deduct	*-177.58*	
01 22 23 00-0390	DAY	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	933.91	
		For Half Day Usage, Deduct	*-291.85*	
01 22 23 00-0391	WK	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	2,515.99	
01 22 23 00-0392	MO	3,000 FT-Lb. Hydraulic Hammer Attachment For Hydraulic Excavators	7,053.13	
		For >6 Months (>26 Weeks), Deduct	*-282.13*	
01 22 23 00-0393	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	195.15	
		For Half Day Usage, Deduct	*-60.98*	
01 22 23 00-0394	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	780.58	
01 22 23 00-0395	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,341.75	
		For >6 Months (>26 Weeks), Deduct	*-93.67*	
01 22 23 00-0396	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	278.78	
		For Half Day Usage, Deduct	*-87.12*	
01 22 23 00-0397	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,115.12	
01 22 23 00-0398	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,345.36	
		For >6 Months (>26 Weeks), Deduct	*-133.81*	
01 22 23 00-0399	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	306.66	
		For Half Day Usage, Deduct	*-95.83*	
01 22 23 00-0400	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,212.69	
01 22 23 00-0401	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,624.14	
		For >6 Months (>26 Weeks), Deduct	*-144.97*	

01 22 23 00-0402 Mini-Excavators *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0403	DAY	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,329.34	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-609.79*	
01 22 23 00-0404	WK	2,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,012.45	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0405	MO	2,000 Lb. Capacity, Capacity, Mini-Excavator With Full-Time Operator	24,286.04	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-73.04*	
01 22 23 00-0406	DAY	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,336.31	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-611.96*	
01 22 23 00-0407	WK	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,033.36	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0408	MO	3,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,725.12	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-90.60*	
01 22 23 00-0409	DAY	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,371.16	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-622.85*	
01 22 23 00-0410	WK	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,130.93	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0411	MO	6,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,787.84	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-93.11*	
01 22 23 00-0412	DAY	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,385.10	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-627.21*	
01 22 23 00-0413	WK	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,179.72	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0414	MO	7,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	24,815.72	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-94.23*	
01 22 23 00-0415	DAY	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,468.73	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-653.34*	
01 22 23 00-0416	WK	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,249.41	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0417	MO	9,500 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,624.18	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-126.57*	
01 22 23 00-0418	DAY	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	1,475.70	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-655.52*	
01 22 23 00-0419	WK	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	6,597.89	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0420	MO	11,000 Lb. Capacity, Mini-Excavator With Full-Time Operator	25,659.03	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-127.96*	

01 22 23 00-0421 Telescopic Hydraulic Excavators (Gradall) *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0422	DAY	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	4,526.03	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,608.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0423	WK	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	13,384.30	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0424	MO	Telescopic Hydraulic Excavator (Gradall) With Full-Time Operator	51,731.36	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-1,170.85*	

01 22 23 00-0425 Road Graders *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0426	DAY	50 To 60 HP Road Grader With Full-Time Operator	2,415.87	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-949.33*	
01 22 23 00-0427	WK	50 To 60 HP Road Grader With Full-Time Operator	8,769.13	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0428	MO	50 To 60 HP Road Grader With Full-Time Operator	32,114.78	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-386.19*	
01 22 23 00-0429	DAY	80 To 100 HP Road Grader With Full-Time Operator	3,096.30	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,161.96*	
01 22 23 00-0430	WK	80 To 100 HP Road Grader With Full-Time Operator	10,277.11	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0431	MO	80 To 100 HP Road Grader With Full-Time Operator	36,712.28	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-570.09*	
01 22 23 00-0432	DAY	130 To 140 HP Road Grader With Full-Time Operator	3,603.55	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,320.48*	
01 22 23 00-0433	WK	130 To 140 HP Road Grader With Full-Time Operator	11,779.57	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0434	MO	130 To 140 HP Road Grader With Full-Time Operator	42,252.27	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-791.69*	
01 22 23 00-0435	DAY	170 To 185 HP Road Grader With Full-Time Operator	4,374.40	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,561.37*	
01 22 23 00-0436	WK	170 To 185 HP Road Grader With Full-Time Operator	18,534.22	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0437	MO	170 To 185 HP Road Grader With Full-Time Operator	69,188.98	
		For Equipment Without Operator, Deduct	*-22,459.99*	
		For >6 Months (>26 Weeks), Deduct	*-1,869.16*	

01 22 23 00-0438 Loader-Backhoes With Standard Bucket *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0439	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,445.25	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-646.01*	
01 22 23 00-0440	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	6,153.58	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0441	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	24,743.99	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-91.36*	
01 22 23 00-0442	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,489.03	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-659.69*	
01 22 23 00-0443	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	6,306.82	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0444	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	25,678.01	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-128.72*	
01 22 23 00-0445	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,556.53	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-680.78*	
01 22 23 00-0446	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	6,474.65	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0447	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	26,159.61	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-147.98*	
01 22 23 00-0448	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	1,857.53	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-774.84*	
01 22 23 00-0449	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	7,372.18	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0450	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	28,728.15	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-250.72*	

01 22 23 00-0451 Heavy-Duty Construction Loaders *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0452	DAY	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,512.42	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-667.00*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0453	WK	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,064.32	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0454	MO	2-1/2 CY, 119 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,096.43	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-225.46*	
01 22 23 00-0455	DAY	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,907.70	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-790.52*	
01 22 23 00-0456	WK	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,496.20	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0457	MO	3 CY, 135 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,316.03	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-234.24*	
01 22 23 00-0458	DAY	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	1,995.54	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-817.97*	
01 22 23 00-0459	WK	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	7,730.44	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0460	MO	3-1/2 CY, 198 HP, Heavy-Duty Construction Loader With Full-Time Operator	28,901.63	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-257.66*	
01 22 23 00-0461	DAY	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,237.10	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-893.46*	
01 22 23 00-0462	WK	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	8,367.28	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0463	MO	4-1/2 CY, 215 HP, Heavy-Duty Construction Loader With Full-Time Operator	30,512.03	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-322.08*	
01 22 23 00-0464	DAY	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	2,859.30	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-1,087.90*	
01 22 23 00-0465	WK	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	12,459.16	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0466	MO	7-1/3 CY, 330 HP, Heavy-Duty Construction Loader With Full-Time Operator	44,273.63	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-872.54*	
01 22 23 00-0467	DAY	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	6,958.43	
		For Equipment Without Operator, Deduct	*-1,036.62*	
		For Half Day Usage, Deduct	*-2,368.88*	
01 22 23 00-0468	WK	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	24,412.52	
		For Equipment Without Operator, Deduct	*-5,183.08*	
01 22 23 00-0469	MO	13-1/2 CY, 690 HP, Heavy-Duty Construction Loader With Full-Time Operator	74,865.45	
		For Equipment Without Operator, Deduct	*-22,460.03*	
		For >6 Months (>26 Weeks), Deduct	*-2,096.22*	

01 22 23 00-0470 Tractors *(01 22 23 00-0268)*

Note: Excludes operator, delivery, set-up, and removal.

01 22 23 00-0471	DAY	20 To 29 HP Tractor	566.18	
		For Half Day Usage, Deduct	*-176.93*	
01 22 23 00-0472	WK	20 To 29 HP Tractor	1,363.03	
01 22 23 00-0473	MO	20 To 29 HP Tractor	3,680.19	
		For >6 Months (>26 Weeks), Deduct	*-147.21*	
01 22 23 00-0474	DAY	30 To 35 HP Tractor	586.65	
		For Half Day Usage, Deduct	*-183.33*	
01 22 23 00-0475	WK	30 To 35 HP Tractor	1,510.32	
01 22 23 00-0476	MO	30 To 35 HP Tractor	4,181.47	
		For >6 Months (>26 Weeks), Deduct	*-167.26*	
01 22 23 00-0477	DAY	40 To 45 HP Tractor	599.14	
		For Half Day Usage, Deduct	*-187.23*	
01 22 23 00-0478	WK	40 To 45 HP Tractor	1,610.18	
01 22 23 00-0479	MO	40 To 45 HP Tractor	4,418.63	
		For >6 Months (>26 Weeks), Deduct	*-176.75*	
01 22 23 00-0480	DAY	80 To 89 HP Tractor	771.39	
		For Half Day Usage, Deduct	*-241.06*	
01 22 23 00-0481	WK	80 To 89 HP Tractor	2,187.60	
01 22 23 00-0482	MO	80 To 89 HP Tractor	6,263.72	
		For >6 Months (>26 Weeks), Deduct	*-250.55*	
01 22 23 00-0483	DAY	60" Rotary Mower Attachment For Tractors	242.15	
		For Half Day Usage, Deduct	*-75.67*	
01 22 23 00-0484	WK	60" Rotary Mower Attachment For Tractors	748.92	
01 22 23 00-0485	DAY	84" Rotary Mower Attachment For Tractors	264.62	
		For Half Day Usage, Deduct	*-82.69*	
01 22 23 00-0486	WK	84" Rotary Mower Attachment For Tractors	811.33	
01 22 23 00-0487	DAY	Under Deck Rotary Mower Attachment For Tractors	41.39	
		For Half Day Usage, Deduct	*-12.93*	
01 22 23 00-0488	WK	Under Deck Rotary Mower Attachment For Tractors	165.55	

01 22 23 00-0489 Shoring *(01 22 23 00-0268)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0490 Aluminum Hydraulic Shoring *(01 22 23 00-0489)*

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0491	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	116.90	
01 22 23 00-0492	MO	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	344.80	
		For >6 Months (>26 Weeks), Deduct	*-13.79*	
01 22 23 00-0493	WK	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	156.82	
01 22 23 00-0494	MO	Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	462.54	
		For >6 Months (>26 Weeks), Deduct	*-18.50*	
01 22 23 00-0495	WK	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	290.78	
01 22 23 00-0496	MO	Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring Note: Up to 88" spread width.	857.79	
		For >6 Months (>26 Weeks), Deduct	*-34.31*	
01 22 23 00-0497	EA	Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores	28.87	
01 22 23 00-0498	EA	Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores	46.20	
01 22 23 00-0499	EA	Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores	76.99	

01 22 23 00-0500 Trench Boxes/Trench Shields *(01 22 23 00-0268)*

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0501	WK	4' x 6' Trench Box With Up To 48" Spreaders	260.32	
01 22 23 00-0502	MO	4' x 6' Trench Box With Up To 48" Spreaders	780.97	
		For >6 Months (>26 Weeks), Deduct	*-31.24*	
01 22 23 00-0503	WK	6' x 6' Trench Box With Up To 48" Spreaders	293.91	
01 22 23 00-0504	MO	6' x 6' Trench Box With Up To 48" Spreaders	881.74	
		For >6 Months (>26 Weeks), Deduct	*-35.27*	
01 22 23 00-0505	WK	8' x 6' Trench Box With Up To 48" Spreaders	310.71	
01 22 23 00-0506	MO	8' x 6' Trench Box With Up To 48" Spreaders	932.12	
		For >6 Months (>26 Weeks), Deduct	*-37.28*	
01 22 23 00-0507	WK	4' x 8' Trench Box With Up To 48" Spreaders	285.52	
01 22 23 00-0508	MO	4' x 8' Trench Box With Up To 48" Spreaders	856.54	
		For >6 Months (>26 Weeks), Deduct	*-34.26*	
01 22 23 00-0509	WK	6' x 8' Trench Box With Up To 48" Spreaders	335.90	
01 22 23 00-0510	MO	6' x 8' Trench Box With Up To 48" Spreaders	1,007.70	
		For >6 Months (>26 Weeks), Deduct	*-40.31*	
01 22 23 00-0511	WK	8' x 8' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0512	MO	8' x 8' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0513	WK	4' x 10' Trench Box With Up To 48" Spreaders	319.10	
01 22 23 00-0514	MO	4' x 10' Trench Box With Up To 48" Spreaders	957.32	
		For >6 Months (>26 Weeks), Deduct	*-38.29*	
01 22 23 00-0515	WK	6' x 10' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0516	MO	6' x 10' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0517	WK	8' x 10' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0518	MO	8' x 10' Trench Box With Up To 48" Spreaders	1,377.19	
		For >6 Months (>26 Weeks), Deduct	*-55.09*	
01 22 23 00-0519	WK	4' x 12' Trench Box With Up To 48" Spreaders	377.89	
01 22 23 00-0520	MO	4' x 12' Trench Box With Up To 48" Spreaders	1,133.66	
		For >6 Months (>26 Weeks), Deduct	*-45.35*	
01 22 23 00-0521	WK	6' x 12' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0522	MO	6' x 12' Trench Box With Up To 48" Spreaders	1,385.59	
		For >6 Months (>26 Weeks), Deduct	*-55.42*	
01 22 23 00-0523	WK	8' x 12' Trench Box With Up To 48" Spreaders	587.82	
01 22 23 00-0524	MO	8' x 12' Trench Box With Up To 48" Spreaders	1,763.48	
		For >6 Months (>26 Weeks), Deduct	*-70.54*	
01 22 23 00-0525	WK	4' x 14' Trench Box With Up To 48" Spreaders	419.88	
01 22 23 00-0526	MO	4' x 14' Trench Box With Up To 48" Spreaders	1,259.62	
		For >6 Months (>26 Weeks), Deduct	*-50.38*	
01 22 23 00-0527	WK	6' x 14' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0528	MO	6' x 14' Trench Box With Up To 48" Spreaders	1,637.51	
		For >6 Months (>26 Weeks), Deduct	*-65.50*	
01 22 23 00-0529	WK	8' x 14' Trench Box With Up To 48" Spreaders	671.80	
01 22 23 00-0530	MO	8' x 14' Trench Box With Up To 48" Spreaders	2,015.40	
		For >6 Months (>26 Weeks), Deduct	*-80.62*	
01 22 23 00-0531	WK	4' x 16' Trench Box With Up To 48" Spreaders	461.86	
01 22 23 00-0532	MO	4' x 16' Trench Box With Up To 48" Spreaders	1,385.59	
		For >6 Months (>26 Weeks), Deduct	*-55.42*	
01 22 23 00-0533	WK	6' x 16' Trench Box With Up To 48" Spreaders	629.81	
01 22 23 00-0534	MO	6' x 16' Trench Box With Up To 48" Spreaders	1,889.44	
		For >6 Months (>26 Weeks), Deduct	*-75.58*	
01 22 23 00-0535	WK	8' x 16' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0536	MO	8' x 16' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0537	WK	4' x 20' Trench Box With Up To 48" Spreaders	545.84	
01 22 23 00-0538	MO	4' x 20' Trench Box With Up To 48" Spreaders	1,637.51	
		For >6 Months (>26 Weeks), Deduct	*-65.50*	
01 22 23 00-0539	WK	6' x 20' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0540	MO	6' x 20' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0541	WK	8' x 20' Trench Box With Up To 48" Spreaders	881.74	
01 22 23 00-0542	MO	8' x 20' Trench Box With Up To 48" Spreaders	2,645.21	
		For >6 Months (>26 Weeks), Deduct	*-105.81*	
01 22 23 00-0543	WK	4' x 24' Trench Box With Up To 48" Spreaders	755.78	
01 22 23 00-0544	MO	4' x 24' Trench Box With Up To 48" Spreaders	2,267.32	
		For >6 Months (>26 Weeks), Deduct	*-90.69*	
01 22 23 00-0545	WK	6' x 24' Trench Box With Up To 48" Spreaders	923.72	
01 22 23 00-0546	MO	6' x 24' Trench Box With Up To 48" Spreaders	2,771.18	
		For >6 Months (>26 Weeks), Deduct	*-110.85*	
01 22 23 00-0547	WK	8' x 24' Trench Box With Up To 48" Spreaders	1,007.70	
01 22 23 00-0548	MO	8' x 24' Trench Box With Up To 48" Spreaders	3,023.10	
		For >6 Months (>26 Weeks), Deduct	*-120.92*	
01 22 23 00-0549	WK	For Spreaders >48" To 84", Add	25.19	
01 22 23 00-0550	MO	For Spreaders >48" To 84", Add	75.58	
		For >6 Months (>26 Weeks), Deduct	*-3.02*	
01 22 23 00-0551	WK	For Spreaders >84" To 120", Add	151.16	
01 22 23 00-0552	MO	For Spreaders >84" To 120", Add	453.46	
		For >6 Months (>26 Weeks), Deduct	*-18.14*	
01 22 23 00-0553	WK	For Spreaders >120", Add	319.10	
01 22 23 00-0554	MO	For Spreaders >120", Add	957.32	
		For >6 Months (>26 Weeks), Deduct	*-38.29*	
01 22 23 00-0555	WK	8' x 4' Manhole Box	396.78	
01 22 23 00-0556	MO	8' x 4' Manhole Box	1,190.35	
		For >6 Months (>26 Weeks), Deduct	*-47.61*	
01 22 23 00-0557	WK	8' x 8' Manhole Box	566.83	
01 22 23 00-0558	MO	8' x 8' Manhole Box	1,700.49	
		For >6 Months (>26 Weeks), Deduct	*-68.02*	

01 22 23 00-0559 Trenchers *(01 22 23 00-0268)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0560	DAY	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	1,389.72	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-619.97*	
01 22 23 00-0561	WK	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	6,312.04	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0562	MO	4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	25,201.12	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-149.78*	
01 22 23 00-0563	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	2,063.75	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-830.60*	
01 22 23 00-0564	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	8,583.76	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0565	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	31,442.12	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-399.42*	

01 22 23 00-0566 Portable Sediment Tank *(01 22 23 00-0268)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0567	WK	Portable Sediment Tank	206.94	
01 22 23 00-0568	MO	Portable Sediment Tank	607.02	
		For >6 Months (>26 Weeks), Deduct	*-24.28*	

01 22 23 00-0569 Heavy Equipment (Ground Protection) Mats *(01 22 23 00-0268)*

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0268 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0570	DAY	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	27.40	
		For Half Day Usage, Deduct	*-8.56*	
01 22 23 00-0571	WK	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	65.24	
01 22 23 00-0572	MO	14' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	137.00	
		For >6 Months (>26 Weeks), Deduct	*-5.48*	
01 22 23 00-0573	DAY	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	28.77	
		For Half Day Usage, Deduct	*-8.99*	
01 22 23 00-0574	WK	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	68.50	
01 22 23 00-0575	MO	16' Width x 8' Length, 6" Thick, 3-Ply Laminated Heavy Equipment Mat	143.85	
		For >6 Months (>26 Weeks), Deduct	*-5.75*	
01 22 23 00-0576	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	23.29	
		For Half Day Usage, Deduct	*-7.28*	
01 22 23 00-0577	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	54.80	
01 22 23 00-0578	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	116.45	
		For >6 Months (>26 Weeks), Deduct	*-4.66*	
01 22 23 00-0579	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	26.03	
		For Half Day Usage, Deduct	*-8.13*	
01 22 23 00-0580	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	61.65	
01 22 23 00-0581	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	130.15	
		For >6 Months (>26 Weeks), Deduct	*-5.21*	
01 22 23 00-0582	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	28.77	
		For Half Day Usage, Deduct	*-8.99*	
01 22 23 00-0583	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	68.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0584	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	143.85	
		For >6 Months (>26 Weeks), Deduct	*-5.75*	
01 22 23 00-0585	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	31.51	
		For Half Day Usage, Deduct	*-9.85*	
01 22 23 00-0586	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	75.02	
01 22 23 00-0587	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	157.55	
		For >6 Months (>26 Weeks), Deduct	*-6.30*	
01 22 23 00-0588	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	24.66	
		For Half Day Usage, Deduct	*-7.71*	
01 22 23 00-0589	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	68.50	
01 22 23 00-0590	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	123.30	
		For >6 Months (>26 Weeks), Deduct	*-4.93*	
01 22 23 00-0591	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	28.77	
		For Half Day Usage, Deduct	*-8.99*	
01 22 23 00-0592	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	68.50	
01 22 23 00-0593	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	143.85	
		For >6 Months (>26 Weeks), Deduct	*-5.75*	
01 22 23 00-0594	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	34.25	
		For Half Day Usage, Deduct	*-10.70*	
01 22 23 00-0595	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	75.35	
01 22 23 00-0596	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	171.25	
		For >6 Months (>26 Weeks), Deduct	*-6.85*	
01 22 23 00-0597	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	36.99	
		For Half Day Usage, Deduct	*-11.56*	
01 22 23 00-0598	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	88.07	
01 22 23 00-0599	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	184.95	
		For >6 Months (>26 Weeks), Deduct	*-7.40*	
01 22 23 00-0600	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	39.73	
		For Half Day Usage, Deduct	*-12.42*	
01 22 23 00-0601	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	94.60	
01 22 23 00-0602	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	198.65	
		For >6 Months (>26 Weeks), Deduct	*-7.95*	
01 22 23 00-0603	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	41.10	
		For Half Day Usage, Deduct	*-12.84*	
01 22 23 00-0604	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	97.86	
01 22 23 00-0605	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	205.50	
		For >6 Months (>26 Weeks), Deduct	*-8.22*	
01 22 23 00-0606	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.18	
		For Half Day Usage, Deduct	*-4.12*	
01 22 23 00-0607	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.95	
01 22 23 00-0608	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	98.85	
		For >6 Months (>26 Weeks), Deduct	*-3.95*	
01 22 23 00-0609	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.76	
		For Half Day Usage, Deduct	*-4.93*	
01 22 23 00-0610	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	39.39	
01 22 23 00-0611	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	118.16	
		For >6 Months (>26 Weeks), Deduct	*-4.73*	
01 22 23 00-0612	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	17.99	
		For Half Day Usage, Deduct	*-5.62*	
01 22 23 00-0613	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	44.98	
01 22 23 00-0614	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	134.94	
		For >6 Months (>26 Weeks), Deduct	*-5.40*	
01 22 23 00-0615	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.18	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0616	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.95	
01 22 23 00-0617	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	143.85	
		For >6 Months (>26 Weeks), Deduct	*-5.75*	
01 22 23 00-0618	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.92	
		For Half Day Usage, Deduct	*-6.85*	
01 22 23 00-0619	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.80	
01 22 23 00-0620	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	164.40	
		For >6 Months (>26 Weeks), Deduct	*-6.58*	
01 22 23 00-0621	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	25.19	
		For Half Day Usage, Deduct	*-7.87*	
01 22 23 00-0622	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	62.97	
01 22 23 00-0623	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	188.92	
		For >6 Months (>26 Weeks), Deduct	*-7.56*	
01 22 23 00-0624	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.38	
		For Half Day Usage, Deduct	*-6.06*	
01 22 23 00-0625	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.45	
01 22 23 00-0626	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	145.36	
		For >6 Months (>26 Weeks), Deduct	*-5.81*	
01 22 23 00-0627	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	26.24	
		For Half Day Usage, Deduct	*-8.20*	
01 22 23 00-0628	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	65.60	
01 22 23 00-0629	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	196.80	
		For >6 Months (>26 Weeks), Deduct	*-7.87*	
01 22 23 00-0630	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.69	
		For Half Day Usage, Deduct	*-7.09*	
01 22 23 00-0631	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.72	
01 22 23 00-0632	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	170.15	
		For >6 Months (>26 Weeks), Deduct	*-6.81*	
01 22 23 00-0633	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	37.84	
		For Half Day Usage, Deduct	*-11.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0634	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	94.59	
01 22 23 00-0635	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	283.78	
		For >6 Months (>26 Weeks), Deduct	*-11.35*	
01 22 23 00-0636	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	40.33	
		For Half Day Usage, Deduct	*-12.60*	
01 22 23 00-0637	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	100.83	
01 22 23 00-0638	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	302.50	
		For >6 Months (>26 Weeks), Deduct	*-12.10*	

01 22 23 00-0639 Electrical Equipment *(01 22 23)*

01 22 23 00-0640 Tripod Mounted Floodlights *(01 22 23 00-0639)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0641	DAY	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	71.73	
		For Half Day Usage, Deduct	*-22.42*	
01 22 23 00-0642	WK	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	169.71	
01 22 23 00-0643	MO	500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	358.67	
		For >6 Months (>26 Weeks), Deduct	*-14.35*	
01 22 23 00-0644	DAY	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	71.73	
		For Half Day Usage, Deduct	*-22.42*	
01 22 23 00-0645	WK	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	209.95	
01 22 23 00-0646	MO	1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	621.11	
		For >6 Months (>26 Weeks), Deduct	*-24.84*	
01 22 23 00-0647	DAY	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	80.48	
		For Half Day Usage, Deduct	*-25.15*	
01 22 23 00-0648	WK	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	218.70	
01 22 23 00-0649	MO	2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod	533.63	
		For >6 Months (>26 Weeks), Deduct	*-21.35*	

01 22 23 00-0650 Trailer Mounted Floodlights *(01 22 23 00-0639)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0651	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	201.20	
		For Half Day Usage, Deduct	*-62.88*	
01 22 23 00-0652	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	446.15	
01 22 23 00-0653	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	962.28	
		For >6 Months (>26 Weeks), Deduct	*-38.49*	

01 22 23 00-0654 Generator Sets *(01 22 23 00-0639)*

01 22 23 00-0655 Portable, Gas Powered Generator Sets *(01 22 23 00-0654)*

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0777 for reimbursable fuel fees.

01 22 23 00-0656	DAY	3.6 KW Gas Powered Generator Set	54.80	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*6.85*	
		For Half Day Usage, Deduct	*-17.13*	
01 22 23 00-0657	WK	3.6 KW Gas Powered Generator Set	197.55	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*24.69*	
01 22 23 00-0658	MO	3.6 KW Gas Powered Generator Set	548.04	
		Note: Fuel consumption: 100% load – 0.54 gallons per hour		
		For LP Or NG Gas, Add	*68.51*	
		For >6 Months (>26 Weeks), Deduct	*-21.92*	
01 22 23 00-0659	DAY	5 KW Gas Powered Generator Set	77.74	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*9.72*	
		For Half Day Usage, Deduct	*-24.29*	
01 22 23 00-0660	WK	5 KW Gas Powered Generator Set	248.53	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*31.07*	
01 22 23 00-0661	MO	5 KW Gas Powered Generator Set	567.15	
		Note: Fuel consumption: 100% load – 0.75 gallons per hour		
		For LP Or NG Gas, Add	*70.89*	
		For >6 Months (>26 Weeks), Deduct	*-22.69*	
01 22 23 00-0662	DAY	6.5 KW Gas Powered Generator Set	99.41	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*12.43*	
		For Half Day Usage, Deduct	*-31.07*	
01 22 23 00-0663	WK	6.5 KW Gas Powered Generator Set	267.64	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*33.46*	
01 22 23 00-0664	MO	6.5 KW Gas Powered Generator Set	739.21	
		Note: Fuel consumption: 100% load – 0.975 gallons per hour		
		For LP Or NG Gas, Add	*92.40*	
		For >6 Months (>26 Weeks), Deduct	*-29.57*	
01 22 23 00-0665	DAY	10 KW Gas Powered Generator Set	110.88	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	*13.86*	
		For Half Day Usage, Deduct	*-34.65*	
01 22 23 00-0666	WK	10 KW Gas Powered Generator Set	299.51	
		Note: Fuel consumption: 100% load – 1.35 gallons per hour		
		For LP Or NG Gas, Add	*37.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0667	MO	10 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.35 gallons per hour	860.29	
		For LP Or NG Gas, Add	*107.54*	
		For >6 Months (>26 Weeks), Deduct	*-34.41*	
01 22 23 00-0668	DAY	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.70 gallons per hour	203.03	
		For LP Or NG Gas, Add	*25.38*	
		For Half Day Usage, Deduct	*-63.45*	
01 22 23 00-0669	WK	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	576.76	
		For LP Or NG Gas, Add	*72.10*	
01 22 23 00-0670	MO	15 KW Gas Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour	1,245.82	
		For LP Or NG Gas, Add	*155.73*	
		For >6 Months (>26 Weeks), Deduct	*-49.83*	

01 22 23 00-0671 Towable, Diesel Powered Generator Sets *(01 22 23 00-0654)*

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1,000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0777 for reimbursable fuel fees.

01 22 23 00-0672	DAY	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	228.14	
		For >8 To 16 Hours Usage Per Day, Add	*91.26*	
		For >16 To 24 Hours Usage Per Day, Add	*182.51*	
01 22 23 00-0673	WK	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	596.47	
		For >40 To 80 Hours Usage Per Week, Add	*238.59*	
		For >80 Hours Usage Per Week, Add	*477.18*	
01 22 23 00-0674	MO	20 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.	1,624.99	
		For >160 To 320 Hours Usage Per Month, Add	*650.00*	
		For >320 Hours Usage Per Month, Add	*1,299.99*	
		For >6 Months (>26 Weeks), Deduct	*-65.00*	
01 22 23 00-0675	DAY	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	387.31	
		For >8 To 16 Hours Usage Per Day, Add	*154.92*	
		For >16 To 24 Hours Usage Per Day, Add	*309.85*	
01 22 23 00-0676	WK	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	1,149.45	
		For >40 To 80 Hours Usage Per Week, Add	*459.78*	
		For >80 Hours Usage Per Week, Add	*919.56*	
01 22 23 00-0677	MO	30 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.	2,373.86	
		For >160 To 320 Hours Usage Per Month, Add	*949.54*	
		For >320 Hours Usage Per Month, Add	*1,899.09*	
		For >6 Months (>26 Weeks), Deduct	*-94.95*	
01 22 23 00-0678	DAY	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	424.80	
		For >8 To 16 Hours Usage Per Day, Add	*169.92*	
		For >16 To 24 Hours Usage Per Day, Add	*339.84*	
01 22 23 00-0679	WK	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	1,186.93	
		For >40 To 80 Hours Usage Per Week, Add	*474.77*	
		For >80 Hours Usage Per Week, Add	*949.54*	
01 22 23 00-0680	MO	40.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.	2,623.74	
		For >160 To 320 Hours Usage Per Month, Add	*1,049.50*	
		For >320 Hours Usage Per Month, Add	*2,098.99*	
		For >6 Months (>26 Weeks), Deduct	*-104.95*	
01 22 23 00-0681	DAY	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	456.03	
		For >8 To 16 Hours Usage Per Day, Add	*182.41*	
		For >16 To 24 Hours Usage Per Day, Add	*364.82*	
01 22 23 00-0682	WK	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	1,249.40	
		For >40 To 80 Hours Usage Per Week, Add	*499.76*	
		For >80 Hours Usage Per Week, Add	*999.52*	
01 22 23 00-0683	MO	55.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.	2,998.56	
		For >160 To 320 Hours Usage Per Month, Add	*1,199.42*	
		For >320 Hours Usage Per Month, Add	*2,398.85*	
		For >6 Months (>26 Weeks), Deduct	*-119.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0684	DAY	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	499.76	
		For >8 To 16 Hours Usage Per Day, Add	*199.90*	
		For >16 To 24 Hours Usage Per Day, Add	*399.81*	
01 22 23 00-0685	WK	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	1,418.07	
		For >40 To 80 Hours Usage Per Week, Add	*567.23*	
		For >80 Hours Usage Per Week, Add	*1,134.46*	
01 22 23 00-0686	MO	70.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.	3,373.38	
		For >160 To 320 Hours Usage Per Month, Add	*1,349.35*	
		For >320 Hours Usage Per Month, Add	*2,698.70*	
		For >6 Months (>26 Weeks), Deduct	*-134.94*	
01 22 23 00-0687	DAY	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	562.23	
		For >8 To 16 Hours Usage Per Day, Add	*224.89*	
		For >16 To 24 Hours Usage Per Day, Add	*449.78*	
01 22 23 00-0688	WK	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	1,499.28	
		For >40 To 80 Hours Usage Per Week, Add	*599.71*	
		For >80 Hours Usage Per Week, Add	*1,199.42*	
01 22 23 00-0689	MO	80.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load – 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.	3,748.20	
		For >160 To 320 Hours Usage Per Month, Add	*1,499.28*	
		For >320 Hours Usage Per Month, Add	*2,998.56*	
		For >6 Months (>26 Weeks), Deduct	*-149.93*	
01 22 23 00-0690	DAY	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	580.97	
		For >8 To 16 Hours Usage Per Day, Add	*232.39*	
		For >16 To 24 Hours Usage Per Day, Add	*464.78*	
01 22 23 00-0691	WK	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	1,561.75	
		For >40 To 80 Hours Usage Per Week, Add	*624.70*	
		For >80 Hours Usage Per Week, Add	*1,249.40*	
01 22 23 00-0692	MO	100.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.	4,247.96	
		For >160 To 320 Hours Usage Per Month, Add	*1,699.18*	
		For >320 Hours Usage Per Month, Add	*3,398.37*	
		For >6 Months (>26 Weeks), Deduct	*-169.92*	
01 22 23 00-0693	DAY	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	655.94	
		For >8 To 16 Hours Usage Per Day, Add	*262.38*	
		For >16 To 24 Hours Usage Per Day, Add	*524.75*	
01 22 23 00-0694	WK	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	1,811.63	
		For >40 To 80 Hours Usage Per Week, Add	*724.65*	
		For >80 Hours Usage Per Week, Add	*1,449.30*	
01 22 23 00-0695	MO	120.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.	4,872.66	
		For >160 To 320 Hours Usage Per Month, Add	*1,949.06*	
		For >320 Hours Usage Per Month, Add	*3,898.13*	
		For >6 Months (>26 Weeks), Deduct	*-194.91*	
01 22 23 00-0696	DAY	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	687.17	
		For >8 To 16 Hours Usage Per Day, Add	*274.87*	
		For >16 To 24 Hours Usage Per Day, Add	*549.74*	
01 22 23 00-0697	WK	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	1,905.34	
		For >40 To 80 Hours Usage Per Week, Add	*762.14*	
		For >80 Hours Usage Per Week, Add	*1,524.27*	
01 22 23 00-0698	MO	140.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour.	5,372.42	
		For >160 To 320 Hours Usage Per Month, Add	*2,148.97*	
		For >320 Hours Usage Per Month, Add	*4,297.94*	
		For >6 Months (>26 Weeks), Deduct	*-214.90*	
01 22 23 00-0699	DAY	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	718.40	
		For >8 To 16 Hours Usage Per Day, Add	*287.36*	
		For >16 To 24 Hours Usage Per Day, Add	*574.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0700	WK	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	2,061.51	
		For >40 To 80 Hours Usage Per Week, Add	*824.60*	
		For >80 Hours Usage Per Week, Add	*1,649.21*	
01 22 23 00-0701	MO	150.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour.	5,622.30	
		For >160 To 320 Hours Usage Per Month, Add	*2,248.92*	
		For >320 Hours Usage Per Month, Add	*4,497.84*	
		For >6 Months (>26 Weeks), Deduct	*-224.89*	
01 22 23 00-0702	DAY	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	749.64	
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
01 22 23 00-0703	WK	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	2,186.45	
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
01 22 23 00-0704	MO	160.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour.	5,872.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	
01 22 23 00-0705	DAY	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	749.64	
		For >8 To 16 Hours Usage Per Day, Add	*299.86*	
		For >16 To 24 Hours Usage Per Day, Add	*599.71*	
01 22 23 00-0706	WK	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	2,186.45	
		For >40 To 80 Hours Usage Per Week, Add	*874.58*	
		For >80 Hours Usage Per Week, Add	*1,749.16*	
01 22 23 00-0707	MO	175.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour.	5,872.18	
		For >160 To 320 Hours Usage Per Month, Add	*2,348.87*	
		For >320 Hours Usage Per Month, Add	*4,697.74*	
		For >6 Months (>26 Weeks), Deduct	*-234.89*	
01 22 23 00-0708	DAY	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	1,030.76	
		For >8 To 16 Hours Usage Per Day, Add	*412.30*	
		For >16 To 24 Hours Usage Per Day, Add	*824.61*	
01 22 23 00-0709	WK	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	2,561.27	
		For >40 To 80 Hours Usage Per Week, Add	*1,024.51*	
		For >80 Hours Usage Per Week, Add	*2,049.02*	
01 22 23 00-0710	MO	200.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour.	7,496.40	
		For >160 To 320 Hours Usage Per Month, Add	*2,998.56*	
		For >320 Hours Usage Per Month, Add	*5,997.12*	
		For >6 Months (>26 Weeks), Deduct	*-299.86*	
01 22 23 00-0711	DAY	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	1,093.22	
		For >8 To 16 Hours Usage Per Day, Add	*437.29*	
		For >16 To 24 Hours Usage Per Day, Add	*874.58*	
01 22 23 00-0712	WK	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	2,623.74	
		For >40 To 80 Hours Usage Per Week, Add	*1,049.50*	
		For >80 Hours Usage Per Week, Add	*2,098.99*	
01 22 23 00-0713	MO	250.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour.	7,746.28	
		For >160 To 320 Hours Usage Per Month, Add	*3,098.51*	
		For >320 Hours Usage Per Month, Add	*6,197.02*	
		For >6 Months (>26 Weeks), Deduct	*-309.85*	
01 22 23 00-0714	DAY	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	1,155.70	
		For >8 To 16 Hours Usage Per Day, Add	*462.28*	
		For >16 To 24 Hours Usage Per Day, Add	*924.56*	
01 22 23 00-0715	WK	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	2,686.21	
		For >40 To 80 Hours Usage Per Week, Add	*1,074.48*	
		For >80 Hours Usage Per Week, Add	*2,148.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0716	MO	275.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour.	7,996.16	
		For >160 To 320 Hours Usage Per Month, Add	*3,198.46*	
		For >320 Hours Usage Per Month, Add	*6,396.93*	
		For >6 Months (>26 Weeks), Deduct	*-319.85*	
01 22 23 00-0717	DAY	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	1,193.18	
		For >8 To 16 Hours Usage Per Day, Add	*477.27*	
		For >16 To 24 Hours Usage Per Day, Add	*954.54*	
01 22 23 00-0718	WK	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	2,873.62	
		For >40 To 80 Hours Usage Per Week, Add	*1,149.45*	
		For >80 Hours Usage Per Week, Add	*2,298.90*	
01 22 23 00-0719	MO	300.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour.	8,495.92	
		For >160 To 320 Hours Usage Per Month, Add	*3,398.37*	
		For >320 Hours Usage Per Month, Add	*6,796.74*	
		For >6 Months (>26 Weeks), Deduct	*-339.84*	
01 22 23 00-0720	DAY	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	1,249.40	
		For >8 To 16 Hours Usage Per Day, Add	*499.76*	
		For >16 To 24 Hours Usage Per Day, Add	*999.52*	
01 22 23 00-0721	WK	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	3,248.44	
		For >40 To 80 Hours Usage Per Week, Add	*1,299.38*	
		For >80 Hours Usage Per Week, Add	*2,598.75*	
01 22 23 00-0722	MO	350.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour.	9,370.50	
		For >160 To 320 Hours Usage Per Month, Add	*3,748.20*	
		For >320 Hours Usage Per Month, Add	*7,496.40*	
		For >6 Months (>26 Weeks), Deduct	*-374.82*	
01 22 23 00-0723	DAY	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	2,108.92	
		For >8 To 16 Hours Usage Per Day, Add	*843.57*	
		For >16 To 24 Hours Usage Per Day, Add	*1,687.14*	
01 22 23 00-0724	WK	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	5,452.56	
		For >40 To 80 Hours Usage Per Week, Add	*2,181.02*	
		For >80 Hours Usage Per Week, Add	*4,362.05*	
01 22 23 00-0725	MO	400.0 KW, 60 Hertz Towable Diesel Powered Generator Set Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour.	14,420.00	
		For >160 To 320 Hours Usage Per Month, Add	*5,768.00*	
		For >320 Hours Usage Per Month, Add	*11,536.00*	
		For >6 Months (>26 Weeks), Deduct	*-576.80*	
01 22 23 00-0726	DAY	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	2,703.75	
		For >8 To 16 Hours Usage Per Day, Add	*1,081.50*	
		For >16 To 24 Hours Usage Per Day, Add	*2,163.00*	
01 22 23 00-0727	WK	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	7,029.75	
		For >40 To 80 Hours Usage Per Week, Add	*2,811.90*	
		For >80 Hours Usage Per Week, Add	*5,623.80*	
01 22 23 00-0728	MO	500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour.	16,222.50	
		For >160 To 320 Hours Usage Per Month, Add	*6,489.00*	
		For >320 Hours Usage Per Month, Add	*12,978.00*	
		For >6 Months (>26 Weeks), Deduct	*-648.90*	
01 22 23 00-0729	DAY	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	3,343.64	
		For >8 To 16 Hours Usage Per Day, Add	*1,337.46*	
		For >16 To 24 Hours Usage Per Day, Add	*2,674.91*	
01 22 23 00-0730	WK	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	8,832.25	
		For >40 To 80 Hours Usage Per Week, Add	*3,532.90*	
		For >80 Hours Usage Per Week, Add	*7,065.80*	
01 22 23 00-0731	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour.	21,630.00	
		For >160 To 320 Hours Usage Per Month, Add	*8,652.00*	
		For >320 Hours Usage Per Month, Add	*17,304.00*	
		For >6 Months (>26 Weeks), Deduct	*-865.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0732	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	3,614.01	
		For >8 To 16 Hours Usage Per Day, Add	*1,445.60*	
		For >16 To 24 Hours Usage Per Day, Add	*2,891.21*	
01 22 23 00-0733	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	8,327.55	
		For >40 To 80 Hours Usage Per Week, Add	*3,331.02*	
		For >80 Hours Usage Per Week, Add	*6,662.04*	
01 22 23 00-0734	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour.	24,982.65	
		For >160 To 320 Hours Usage Per Month, Add	*9,993.06*	
		For >320 Hours Usage Per Month, Add	*19,986.12*	
		For >6 Months (>26 Weeks), Deduct	*-999.31*	
01 22 23 00-0735	DAY	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	4,100.69	
		For >8 To 16 Hours Usage Per Day, Add	*1,640.28*	
		For >16 To 24 Hours Usage Per Day, Add	*3,280.55*	
01 22 23 00-0736	WK	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	10,715.86	
		For >40 To 80 Hours Usage Per Week, Add	*4,286.34*	
		For >80 Hours Usage Per Week, Add	*8,572.69*	
01 22 23 00-0737	MO	1,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 71.1 gallons per hour, 75% load - 52.1 gallons per hour, 50% load - 36.4 gallons per hour.	29,353.71	
		For >160 To 320 Hours Usage Per Month, Add	*11,741.48*	
		For >320 Hours Usage Per Month, Add	*23,482.97*	
		For >6 Months (>26 Weeks), Deduct	*-1,174.15*	
01 22 23 00-0738	DAY	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	5,407.50	
		For >8 To 16 Hours Usage Per Day, Add	*2,163.00*	
		For >16 To 24 Hours Usage Per Day, Add	*4,326.00*	
01 22 23 00-0739	WK	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	16,222.50	
		For >40 To 80 Hours Usage Per Week, Add	*6,489.00*	
		For >80 Hours Usage Per Week, Add	*12,978.00*	
01 22 23 00-0740	MO	1,500.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 106.5 gallons per hour, 75% load - 77.8 gallons per hour, 50% load - 54.3 gallons per hour.	46,513.51	
		For >160 To 320 Hours Usage Per Month, Add	*18,605.40*	
		For >320 Hours Usage Per Month, Add	*37,210.81*	
01 22 23 00-0741	DAY	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	7,128.89	
		For >8 To 16 Hours Usage Per Day, Add	*2,851.56*	
		For >16 To 24 Hours Usage Per Day, Add	*5,703.11*	
01 22 23 00-0742	WK	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	17,826.72	
		For >40 To 80 Hours Usage Per Week, Add	*7,130.69*	
		For >80 Hours Usage Per Week, Add	*14,261.38*	
01 22 23 00-0743	MO	2,000.0 KW, 60 Hertz Container Diesel Powered Generator Set Note: Includes 1,000 Gallon fuel tank. Fuel consumption: 100% load - 141.9 gallons per hour, 75% load - 103.5 gallons per hour, 50% load - 72.2 gallons per hour.	48,667.50	
		For >160 To 320 Hours Usage Per Month, Add	*19,467.00*	
		For >320 Hours Usage Per Month, Add	*38,934.00*	
		For >6 Months (>26 Weeks), Deduct	*-1,946.70*	
01 22 23 00-0744	EA	Up To 160 KW Towable Generator Set Delivery, Set-Up, Testing And Pick-up Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	955.53	
01 22 23 00-0745	EA	175 To 300 KW Towable Generator Set Delivery, Set-Up, Testing And Pick-up Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,295.86	
01 22 23 00-0746	EA	350 To 450 KW Towable Generator Set Delivery, Set-Up, Testing And Pick-up Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	1,686.17	
01 22 23 00-0747	EA	500 To 750 KW Towable Generator Set Delivery, Set-Up, Testing And Pick-up Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,134.20	
01 22 23 00-0748	EA	1,000 To 2,000 KW Towable Generator Set Delivery, Set-Up, Testing And Pick-up Note: Includes set-up of generator accessories, cabling, load banks and distribution panels as required.	2,947.53	

01 22 23 00-0749 Cabling For Generator Sets *(01 22 23 00-0654)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0750	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set	27.49	
		For Half Day Usage, Deduct	*-8.59*	
01 22 23 00-0751	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set	48.10	
01 22 23 00-0752	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set	144.31	
		For >6 Months (>26 Weeks), Deduct	*-5.77*	
01 22 23 00-0753	DAY	50', 4/0 Cable With Camlock Ends For Generator Set	13.74	
		For Half Day Usage, Deduct	*-4.29*	
01 22 23 00-0754	WK	50', 4/0 Cable With Camlock Ends For Generator Set	39.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0755	MO	50', 4/0 Cable With Camlock Ends For Generator Set	111.20	
		For >6 Months (>26 Weeks), Deduct	*-4.45*	

01 22 23 00-0756 Resistive Load Banks For Generator Sets *(01 22 23 00-0654)*

Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0777 for reimbursable fuel fees.

01 22 23 00-0757	DAY	100 KW A/C Resistive Load Bank	371.52	
01 22 23 00-0758	WK	100 KW A/C Resistive Load Bank	706.62	
01 22 23 00-0759	MO	100 KW A/C Resistive Load Bank	1,930.46	
		For >6 Months (>26 Weeks), Deduct	*-77.22*	
01 22 23 00-0760	DAY	650 KW A/C Resistive Load Bank	762.13	
01 22 23 00-0761	WK	650 KW A/C Resistive Load Bank	2,038.11	
01 22 23 00-0762	MO	650 KW A/C Resistive Load Bank	5,196.31	
		For >6 Months (>26 Weeks), Deduct	*-207.85*	

01 22 23 00-0763 Sub-Distribution Panels (Spider Box) For Generator Sets *(01 22 23 00-0654)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0764	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	67.47	
		For Half Day Usage, Deduct	*-21.08*	
01 22 23 00-0765	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	174.92	
01 22 23 00-0766	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box)	493.51	
		For >6 Months (>26 Weeks), Deduct	*-19.74*	

01 22 23 00-0767 Portable Distribution Panels For Generator Sets *(01 22 23 00-0654)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0768	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	149.93	
		For Half Day Usage, Deduct	*-46.85*	
01 22 23 00-0769	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	406.06	
01 22 23 00-0770	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel	1,136.95	
		For >6 Months (>26 Weeks), Deduct	*-45.48*	
01 22 23 00-0771	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	122.44	
		For Half Day Usage, Deduct	*-38.26*	
01 22 23 00-0772	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	318.60	
01 22 23 00-0773	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	905.82	
		For >6 Months (>26 Weeks), Deduct	*-36.23*	
01 22 23 00-0774	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	156.18	
		For Half Day Usage, Deduct	*-48.81*	
01 22 23 00-0775	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	393.56	
01 22 23 00-0776	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel	1,068.24	
		For >6 Months (>26 Weeks), Deduct	*-42.73*	

01 22 23 00-0777 Fuel Reimbursement For Generators *(01 22 23 00-0654)*

01 22 23 00-0778	EA	Fuel Reimbursement For Generators Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is $1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = $125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.	1.00	

01 22 23 00-0779 General Equipment *(01 22 23)*

01 22 23 00-0780 Jacks And Bracing *(01 22 23 00-0779)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0781 Manual Hydraulic Jacks *(01 22 23 00-0780)*

01 22 23 00-0782	DAY	12 Ton Manual Hydraulic Bottle Jack	1.67	
		For Half Day Usage, Deduct	*-0.52*	
01 22 23 00-0783	WK	12 Ton Manual Hydraulic Bottle Jack	7.93	
01 22 23 00-0784	MO	12 Ton Manual Hydraulic Bottle Jack	28.50	
		For >6 Months (>26 Weeks), Deduct	*-1.14*	
01 22 23 00-0785	DAY	20 Ton Manual Hydraulic Bottle Jack	2.92	
		For Half Day Usage, Deduct	*-0.91*	
01 22 23 00-0786	WK	20 Ton Manual Hydraulic Bottle Jack	9.18	
01 22 23 00-0787	MO	20 Ton Manual Hydraulic Bottle Jack	34.76	
		For >6 Months (>26 Weeks), Deduct	*-1.39*	
01 22 23 00-0788	DAY	50 Ton Manual Hydraulic Bottle Jack	10.43	
		For Half Day Usage, Deduct	*-3.26*	
01 22 23 00-0789	WK	50 Ton Manual Hydraulic Bottle Jack	40.49	
01 22 23 00-0790	MO	50 Ton Manual Hydraulic Bottle Jack	145.66	
		For >6 Months (>26 Weeks), Deduct	*-5.83*	
01 22 23 00-0791	DAY	100 Ton Manual Hydraulic Bottle Jack	14.61	
		For Half Day Usage, Deduct	*-4.57*	
01 22 23 00-0792	WK	100 Ton Manual Hydraulic Bottle Jack	58.43	
01 22 23 00-0793	MO	100 Ton Manual Hydraulic Bottle Jack	210.46	
		For >6 Months (>26 Weeks), Deduct	*-8.42*	

01 22 23 00-0794 Manual Screw Jacks *(01 22 23 00-0780)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0795	DAY	10 To 20 Ton Manual Screw Jack	19.16	
		For Half Day Usage, Deduct	*-5.99*	
01 22 23 00-0796	WK	10 To 20 Ton Manual Screw Jack	50.71	
01 22 23 00-0797	MO	10 To 20 Ton Manual Screw Jack	152.12	
		For >6 Months (>26 Weeks), Deduct	*-6.08*	

01 22 23 00-0798 Shores/Braces *(01 22 23 00-0780)*

01 22 23 00-0799	MO	Up To 5' Height, Adjustable Tubular Steel Shoring	15.78	
01 22 23 00-0800	MO	Up To 10' Height, Adjustable Tubular Steel Shoring	20.28	
01 22 23 00-0801	MO	>10' To 16' Height, Adjustable Tubular Steel Shoring	27.04	
01 22 23 00-0802	MO	Up To 10' Height, Adjustable Wood Shoring	6.26	
01 22 23 00-0803	MO	>10' To 16' Height, Adjustable Wood Shoring	8.35	
01 22 23 00-0804	EA	Erect And Strip Shores To 10'	11.55	
		For >20 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-4.04*	
		For >100, Deduct	*-6.35*	
01 22 23 00-0805	EA	Erect And Strip Shores To 13'	13.86	
		For >20 To 50, Deduct	*-2.08*	
		For >50 To 100, Deduct	*-4.85*	
		For >100, Deduct	*-7.62*	
01 22 23 00-0806	EA	Erect And Strip Shores To 16'	16.16	
		For >20 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-5.66*	
		For >100, Deduct	*-8.89*	

01 22 23 00-0807 Pressure Washers *(01 22 23 00-0779)*

Note: Includes delivery to job site, pick-up when complete and full time operator.

01 22 23 00-0808	DAY	2,000 PSI Pressure Washer With Full-Time Operator	843.55	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-401.26*	
01 22 23 00-0809	WK	2,000 PSI Pressure Washer With Full-Time Operator	3,948.49	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0810	MO	2,000 PSI Pressure Washer With Full-Time Operator	16,613.67	
		For Equipment Without Operator, Deduct	*-15,906.85*	
		For >6 Months (>26 Weeks), Deduct	*-28.27*	
01 22 23 00-0811	DAY	2,500 PSI Pressure Washer With Full-Time Operator	843.55	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-401.26*	
01 22 23 00-0812	WK	2,500 PSI Pressure Washer With Full-Time Operator	3,948.49	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0813	MO	2,500 PSI Pressure Washer With Full-Time Operator	16,613.67	
		For Equipment Without Operator, Deduct	*-15,906.85*	
		For >6 Months (>26 Weeks), Deduct	*-28.27*	
01 22 23 00-0814	DAY	3,000 PSI Pressure Washer With Full-Time Operator	843.55	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-401.26*	
01 22 23 00-0815	WK	3,000 PSI Pressure Washer With Full-Time Operator	3,948.49	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0816	MO	3,000 PSI Pressure Washer With Full-Time Operator	16,613.67	
		For Equipment Without Operator, Deduct	*-15,906.85*	
		For >6 Months (>26 Weeks), Deduct	*-28.27*	
01 22 23 00-0817	DAY	3,500 PSI Pressure Washer With Full-Time Operator	851.96	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-403.89*	
01 22 23 00-0818	WK	3,500 PSI Pressure Washer With Full-Time Operator	3,973.73	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0819	MO	3,500 PSI Pressure Washer With Full-Time Operator	16,680.98	
		For Equipment Without Operator, Deduct	*-15,906.85*	
		For >6 Months (>26 Weeks), Deduct	*-30.97*	
01 22 23 00-0820	DAY	4,000 PSI Pressure Washer With Full-Time Operator	885.62	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-414.41*	
01 22 23 00-0821	WK	4,000 PSI Pressure Washer With Full-Time Operator	4,083.12	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0822	MO	4,000 PSI Pressure Washer With Full-Time Operator	17,059.64	
		For Equipment Without Operator, Deduct	*-15,906.85*	
		For >6 Months (>26 Weeks), Deduct	*-46.11*	
01 22 23 00-0823	DAY	5,000 PSI Pressure Washer With Full-Time Operator	902.45	
		For Equipment Without Operator, Deduct	*-734.16*	
		For Half Day Usage, Deduct	*-419.67*	
01 22 23 00-0824	WK	5,000 PSI Pressure Washer With Full-Time Operator	4,125.19	
		For Equipment Without Operator, Deduct	*-3,670.81*	
01 22 23 00-0825	MO	5,000 PSI Pressure Washer With Full-Time Operator	17,185.85	
		For Equipment Without Operator, Deduct	*-15,906.85*	
		For >6 Months (>26 Weeks), Deduct	*-51.16*	

01 22 23 00-0826 Confined Space Entry Equipment *(01 22 23 00-0779)*

Note: Includes delivery to job site, set-up, and pick-up when complete.

01 22 23 00-0827	DAY	Ventilation Equipment For Confined Space	44.12	
		Note: Includes electric or gas blower and ventilation duct up to 25'.		
		For Half Day Usage, Deduct	*-13.79*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0828		WK	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	132.36	
01 22 23 00-0829		MO	Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	394.99	
			For >6 Months (>26 Weeks), Deduct	*-15.80*	
01 22 23 00-0830		DAY	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	66.13	
			For Half Day Usage, Deduct	*-20.67*	
01 22 23 00-0831		WK	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	198.38	
01 22 23 00-0832		MO	Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	595.14	
			For >6 Months (>26 Weeks), Deduct	*-23.81*	
01 22 23 00-0833		DAY	Confined Space Air Monitor Personnel Note: Per person day.	734.16	
			For Half Day Usage, Deduct	*-367.08*	

01 22 23 00-0834 Direct Fired Space Heaters *(01 22 23 00-0779)*

Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.

01 22 23 00-0835		DAY	150,000 BTU/Hour Space Heater	76.92	
			For Half Day Usage, Deduct	*-24.04*	
01 22 23 00-0836		WK	150,000 BTU/Hour Space Heater	221.14	
01 22 23 00-0837		MO	150,000 BTU/Hour Space Heater	624.98	
			For >6 Months (>26 Weeks), Deduct	*-25.00*	
01 22 23 00-0838		DAY	500,000 BTU/Hour Space Heater	163.46	
			For Half Day Usage, Deduct	*-51.08*	
01 22 23 00-0839		WK	500,000 BTU/Hour Space Heater	403.83	
01 22 23 00-0840		MO	500,000 BTU/Hour Space Heater	1,021.11	
			For >6 Months (>26 Weeks), Deduct	*-40.84*	

01 22 23 00-0841 Mowers *(01 22 23 00-0779)*

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0842		DAY	21" Walk Behind Lawn Mower	96.73	
			For Half Day Usage, Deduct	*-30.23*	
01 22 23 00-0843		WK	21" Walk Behind Lawn Mower	278.10	
01 22 23 00-0844		MO	21" Walk Behind Lawn Mower	568.30	
			For >6 Months (>26 Weeks), Deduct	*-22.73*	
01 22 23 00-0845		DAY	32" Walk Behind Lawn Mower	120.92	
			For Half Day Usage, Deduct	*-37.79*	
01 22 23 00-0846		WK	32" Walk Behind Lawn Mower	290.20	
01 22 23 00-0847		MO	32" Walk Behind Lawn Mower	604.58	
			For >6 Months (>26 Weeks), Deduct	*-24.18*	
01 22 23 00-0848		DAY	36" To 48" Walk Behind Deck Mower	217.65	
			For Half Day Usage, Deduct	*-68.02*	
01 22 23 00-0849		WK	36" To 48" Walk Behind Deck Mower	604.58	
01 22 23 00-0850		MO	36" To 48" Walk Behind Deck Mower	1,753.27	
			For >6 Months (>26 Weeks), Deduct	*-70.13*	
01 22 23 00-0851		DAY	61" To 72" Walk Behind Deck Mower	217.65	
			For Half Day Usage, Deduct	*-68.02*	
01 22 23 00-0852		WK	61" To 72" Walk Behind Deck Mower	604.58	
01 22 23 00-0853		MO	61" To 72" Walk Behind Deck Mower	1,753.27	
			For >6 Months (>26 Weeks), Deduct	*-70.13*	

01 22 23 00-0854 Trailer Mounted Brush Chipper *(01 22 23 00-0779)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0855		DAY	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	187.47	
			For Half Day Usage, Deduct	*-58.58*	
01 22 23 00-0856		WK	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	448.30	
01 22 23 00-0857		MO	4" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,377.52	
			For >6 Months (>26 Weeks), Deduct	*-55.10*	
01 22 23 00-0858		DAY	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	244.53	
			For Half Day Usage, Deduct	*-76.42*	
01 22 23 00-0859		WK	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	551.01	
01 22 23 00-0860		MO	6" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,467.18	
			For >6 Months (>26 Weeks), Deduct	*-58.69*	
01 22 23 00-0861		DAY	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	456.46	
			For Half Day Usage, Deduct	*-142.64*	
01 22 23 00-0862		WK	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,027.03	
01 22 23 00-0863		MO	9" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	2,738.74	
			For >6 Months (>26 Weeks), Deduct	*-109.55*	
01 22 23 00-0864		DAY	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	527.04	
			For Half Day Usage, Deduct	*-164.70*	
01 22 23 00-0865		WK	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	1,185.84	
01 22 23 00-0866		MO	12" Capacity, Trailer Mounted Brush Chipper For Emergency Cleanup	3,162.24	
			For >6 Months (>26 Weeks), Deduct	*-126.49*	

01 22 23 00-0867 Material Handling Equipment *(01 22 23)*

01 22 23 00-0868 Truck Mounted Hydraulic Cranes *(01 22 23 00-0867)*

Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0869	DAY	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,549.74	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-683.32*	
01 22 23 00-0870	WK	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	6,786.51	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0871	MO	6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	27,450.33	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-178.08*	
01 22 23 00-0872	DAY	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,678.99	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-723.71*	
01 22 23 00-0873	WK	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,170.67	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0874	MO	8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	28,599.21	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-224.03*	
01 22 23 00-0875	DAY	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,808.24	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-764.10*	
01 22 23 00-0876	WK	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	7,554.83	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0877	MO	14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	29,748.09	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-269.99*	
01 22 23 00-0878	DAY	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	1,980.57	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-817.95*	
01 22 23 00-0879	WK	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	8,071.82	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0880	MO	20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	31,291.90	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-331.74*	
01 22 23 00-0881	DAY	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,138.55	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-867.32*	
01 22 23 00-0882	WK	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	9,141.72	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0883	MO	30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	34,498.71	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-460.01*	
01 22 23 00-0884	DAY	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,511.93	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-984.00*	
01 22 23 00-0885	WK	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	10,477.29	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0886	MO	40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	38,508.30	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-620.40*	
01 22 23 00-0887	DAY	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,748.89	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,058.05*	
01 22 23 00-0888	WK	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,310.23	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0889	MO	50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	41,012.86	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-720.58*	
01 22 23 00-0890	DAY	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	2,935.58	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,116.39*	
01 22 23 00-0891	WK	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	11,985.19	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0892	MO	60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	43,034.89	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-801.46*	
01 22 23 00-0893	DAY	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,122.27	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,174.74*	
01 22 23 00-0894	WK	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	12,660.16	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0895	MO	70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	45,056.92	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-882.34*	
01 22 23 00-0896	DAY	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,244.34	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,212.88*	
01 22 23 00-0897	WK	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,076.63	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0898	MO	85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	46,320.68	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-932.89*	
01 22 23 00-0899	DAY	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,409.49	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,264.49*	
01 22 23 00-0900	WK	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	13,694.15	
		For Equipment Without Operator, Deduct	*-5,307.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0901	MO	100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	48,158.89	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,006.42*	
01 22 23 00-0902	DAY	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	3,940.85	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,430.54*	
01 22 23 00-0903	WK	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	15,385.16	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0904	MO	120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	53,231.92	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,209.34*	
01 22 23 00-0905	DAY	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,307.06	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,544.98*	
01 22 23 00-0906	WK	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	16,666.88	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0907	MO	140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	57,077.07	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,363.15*	
01 22 23 00-0908	DAY	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	4,967.66	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,751.42*	
01 22 23 00-0909	WK	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	18,979.00	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0910	MO	175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	64,013.44	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,640.60*	
01 22 23 00-0911	DAY	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	5,427.21	
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,895.03*	
01 22 23 00-0912	WK	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	20,587.43	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0913	MO	200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator	68,838.73	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,833.61*	

01 22 23 00-0914 Cable Controlled Lattice Boom, Mechanical Cranes *(01 22 23 00-0867)*

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-0915	DAY	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	2,784.79	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0916	WK	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	11,453.84	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0917	MO	75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	41,437.94	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-737.58*	
01 22 23 00-0918	DAY	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	4,113.18	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0919	WK	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	13,665.43	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0920	MO	100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator	48,072.73	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,002.97*	
01 22 23 00-0921	DAY	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,328.60	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0922	WK	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	15,237.96	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0923	MO	125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	52,788.88	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,191.62*	
01 22 23 00-0924	DAY	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	4,759.43	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0925	WK	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	16,810.49	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0926	MO	150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator	57,499.29	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,380.03*	
01 22 23 00-0927	DAY	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	4,964.07	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0928	WK	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	18,383.02	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0929	MO	200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	62,221.18	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,568.91*	
01 22 23 00-0930	DAY	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,168.72	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0931	WK	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	19,955.55	
		For Equipment Without Operator, Deduct	*-5,307.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0932	MO	250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	66,943.08	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-1,757.79*	
01 22 23 00-0933	DAY	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	5,843.68	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0934	WK	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	22,375.38	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0935	MO	300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	74,192.51	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-2,047.76*	
01 22 23 00-0936	DAY	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	9,994.01	
		For Equipment Without Operator, Deduct	*-1,061.47*	
01 22 23 00-0937	WK	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	37,167.21	
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-0938	MO	500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator	118,585.24	
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-3,823.47*	

01 22 23 00-0939 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts *(01 22 23 00-0867)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0940	DAY	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,586.75	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-681.54*	
01 22 23 00-0941	WK	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,411.23	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0942	MO	5,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,595.72	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-125.57*	
01 22 23 00-0943	DAY	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,649.53	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-701.16*	
01 22 23 00-0944	WK	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,552.49	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0945	MO	6,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	24,909.64	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-138.12*	
01 22 23 00-0946	DAY	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,633.84	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-696.26*	
01 22 23 00-0947	WK	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	6,623.12	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0948	MO	8,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	25,380.52	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-156.96*	
01 22 23 00-0949	DAY	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	1,814.34	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Half Day Usage, Deduct	*-752.66*	
01 22 23 00-0950	WK	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	7,094.00	
		For Equipment Without Operator, Deduct	*-4,951.50*	
01 22 23 00-0951	MO	10,000 Lb. Capacity, Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator	26,479.24	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For >6 Months (>26 Weeks), Deduct	*-200.91*	

01 22 23 00-0952 Straight Mast, Rough Terrain Construction Forklifts *(01 22 23 00-0867)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0953	DAY	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,377.99	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*77.54*	
		For Half Day Usage, Deduct	*-616.30*	
01 22 23 00-0954	WK	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,010.20	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*211.74*	
01 22 23 00-0955	MO	5,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	23,879.59	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*484.61*	
		For >6 Months (>26 Weeks), Deduct	*-96.92*	
01 22 23 00-0956	DAY	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,398.40	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*81.62*	
		For Half Day Usage, Deduct	*-622.68*	
01 22 23 00-0957	WK	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,065.92	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*222.88*	
01 22 23 00-0958	MO	6,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,007.12	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*510.12*	
		For >6 Months (>26 Weeks), Deduct	*-102.02*	
01 22 23 00-0959	DAY	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,508.27	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*103.59*	
		For Half Day Usage, Deduct	*-657.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0960	WK	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,371.99	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*284.10*	
01 22 23 00-0961	MO	8,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,713.44	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*651.38*	
		For >6 Months (>26 Weeks), Deduct	*-130.28*	
01 22 23 00-0962	DAY	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	1,568.78	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*115.70*	
		For Half Day Usage, Deduct	*-675.93*	
01 22 23 00-0963	WK	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	6,345.78	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*278.86*	
01 22 23 00-0964	MO	10,000 Lb. Capacity, Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator	24,927.38	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*694.17*	
		For >6 Months (>26 Weeks), Deduct	*-138.83*	

01 22 23 00-0965 Straight Mast, Industrial Warehouse Forklifts *(01 22 23 00-0867)*

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0966	DAY	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,319.92	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*65.92*	
		For Half Day Usage, Deduct	*-598.16*	
01 22 23 00-0967	WK	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,704.91	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*150.68*	
01 22 23 00-0968	MO	5,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,261.56	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*361.01*	
		For >6 Months (>26 Weeks), Deduct	*-72.20*	
01 22 23 00-0969	DAY	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,327.76	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*67.49*	
		For Half Day Usage, Deduct	*-600.61*	
01 22 23 00-0970	WK	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	5,728.45	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*155.39*	
01 22 23 00-0971	MO	6,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	23,316.50	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*372.00*	
		For >6 Months (>26 Weeks), Deduct	*-74.40*	
01 22 23 00-0972	DAY	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,492.57	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*100.45*	
		For Half Day Usage, Deduct	*-652.11*	
01 22 23 00-0973	WK	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,089.46	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*227.59*	
01 22 23 00-0974	MO	8,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,203.32	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*549.36*	
		For >6 Months (>26 Weeks), Deduct	*-109.87*	
01 22 23 00-0975	DAY	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,508.27	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*103.59*	
		For Half Day Usage, Deduct	*-657.02*	
01 22 23 00-0976	WK	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,222.88	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*254.28*	
01 22 23 00-0977	MO	12,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	24,674.20	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*643.54*	
		For >6 Months (>26 Weeks), Deduct	*-128.71*	
01 22 23 00-0978	DAY	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	1,649.53	
		For Equipment Without Operator, Deduct	*-990.30*	
		For Propane Instead Of Gas Or Diesel, Add	*131.85*	
		For Half Day Usage, Deduct	*-701.16*	
01 22 23 00-0979	WK	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	6,450.47	
		For Equipment Without Operator, Deduct	*-4,951.50*	
		For Propane Instead Of Gas Or Diesel, Add	*299.79*	
01 22 23 00-0980	MO	15,000 Lb. Capacity, Straight Mast, Industrial Warehouse Forklift With Full-Time Operator	25,066.60	
		For Equipment Without Operator, Deduct	*-21,456.52*	
		For Propane Instead Of Gas Or Diesel, Add	*722.02*	
		For >6 Months (>26 Weeks), Deduct	*-144.40*	

01 22 23 00-0981 Chain Hoists *(01 22 23 00-0867)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0982	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52	
		For Half Day Usage, Deduct	*-3.91*	
01 22 23 00-0983	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0984	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40	
		For >6 Months (>26 Weeks), Deduct	*-3.86*	
01 22 23 00-0985	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06	
		For Half Day Usage, Deduct	*-10.96*	
01 22 23 00-0986	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63	
01 22 23 00-0987	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62	
		For >6 Months (>26 Weeks), Deduct	*-9.26*	
01 22 23 00-0988	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07	
		For Half Day Usage, Deduct	*-14.08*	
01 22 23 00-0989	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44	
01 22 23 00-0990	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04	
		For >6 Months (>26 Weeks), Deduct	*-13.52*	
01 22 23 00-0991	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89	
		For Half Day Usage, Deduct	*-27.78*	
01 22 23 00-0992	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62	
01 22 23 00-0993	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00	
		For >6 Months (>26 Weeks), Deduct	*-25.04*	
01 22 23 00-0994	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14	
		For Half Day Usage, Deduct	*-28.17*	
01 22 23 00-0995	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01	
01 22 23 00-0996	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30	
		For >6 Months (>26 Weeks), Deduct	*-26.29*	
01 22 23 00-0997	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65	
		For Half Day Usage, Deduct	*-28.95*	
01 22 23 00-0998	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79	
01 22 23 00-0999	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90	
		For >6 Months (>26 Weeks), Deduct	*-28.80*	

01 22 23 00-1000 Roof Swing Hoist *(01 22 23 00-0867)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1001	DAY	Up To 400 Lb., Manual Swing Roof Hoist	103.38	
		For Half Day Usage, Deduct	*-32.31*	
01 22 23 00-1002	WK	Up To 400 Lb., Manual Swing Roof Hoist	361.81	
01 22 23 00-1003	MO	Up To 400 Lb., Manual Swing Roof Hoist	1,240.50	
		For >6 Months (>26 Weeks), Deduct	*-49.62*	

01 22 23 00-1004 Truck Mounted Digger Derrick *(01 22 23 00-0867)*

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-1005	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,741.29	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-743.18*	
01 22 23 00-1006	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,346.79	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-1007	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	28,436.98	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-217.54*	
01 22 23 00-1008	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,881.02	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-786.84*	
01 22 23 00-1009	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	7,765.98	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-1010	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	29,554.83	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-262.26*	
01 22 23 00-1011	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,744.48	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-1,061.47*	
		For Half Day Usage, Deduct	*-1,056.68*	
01 22 23 00-1012	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	10,356.36	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-5,307.33*	
01 22 23 00-1013	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	36,462.50	
		Note: Includes lifting boom, grapple arm and auger drill.		
		For Equipment Without Operator, Deduct	*-22,998.42*	
		For >6 Months (>26 Weeks), Deduct	*-538.56*	

01 22 23 00-1014 Pumping Equipment *(01 22 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 22 23 00-1015 Gas Powered Portable Centrifugal Pumps *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-1039 for larger diameter pumps.

01 22 23 00-1016	DAY	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	84.16	
		For >8 To 16 Hours Usage Per Day, Add	*33.66*	
		For >16 To 24 Hours Usage Per Day, Add	*67.33*	
01 22 23 00-1017	WK	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	189.35	
		For >40 To 80 Hours Usage Per Week, Add	*75.74*	
		For >80 Hours Usage Per Week, Add	*151.48*	
01 22 23 00-1018	MO	8,500 GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	504.94	
		For >160 To 320 Hours Usage Per Month, Add	*201.98*	
		For >320 Hours Usage Per Month, Add	*403.95*	
		For >6 Months (>26 Weeks), Deduct	*-20.20*	
01 22 23 00-1019	DAY	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	100.99	
		For >8 To 16 Hours Usage Per Day, Add	*40.40*	
		For >16 To 24 Hours Usage Per Day, Add	*80.79*	
01 22 23 00-1020	WK	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	227.22	
		For >40 To 80 Hours Usage Per Week, Add	*90.89*	
		For >80 Hours Usage Per Week, Add	*181.78*	
01 22 23 00-1021	MO	16,500 GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	605.92	
		For >160 To 320 Hours Usage Per Month, Add	*242.37*	
		For >320 Hours Usage Per Month, Add	*484.74*	
		For >6 Months (>26 Weeks), Deduct	*-24.24*	

01 22 23 00-1022 Gas Powered Portable Diaphragm Pumps *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1023	DAY	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	96.78	
		For >8 To 16 Hours Usage Per Day, Add	*38.71*	
		For >16 To 24 Hours Usage Per Day, Add	*77.42*	
01 22 23 00-1024	WK	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	273.51	
		For >40 To 80 Hours Usage Per Week, Add	*109.40*	
		For >80 Hours Usage Per Week, Add	*218.81*	
01 22 23 00-1025	MO	3,000 GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	694.29	
		For >160 To 320 Hours Usage Per Month, Add	*277.72*	
		For >320 Hours Usage Per Month, Add	*555.43*	
		For >6 Months (>26 Weeks), Deduct	*-27.77*	
01 22 23 00-1026	DAY	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	117.82	
		For >8 To 16 Hours Usage Per Day, Add	*47.13*	
		For >16 To 24 Hours Usage Per Day, Add	*94.26*	
01 22 23 00-1027	WK	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	315.58	
		For >40 To 80 Hours Usage Per Week, Add	*126.23*	
		For >80 Hours Usage Per Week, Add	*252.46*	
01 22 23 00-1028	MO	5,200 GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	894.16	
		For >160 To 320 Hours Usage Per Month, Add	*357.66*	
		For >320 Hours Usage Per Month, Add	*715.33*	
		For >6 Months (>26 Weeks), Deduct	*-35.77*	

01 22 23 00-1029 Gas Powered Portable Trash Pumps *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1030	DAY	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	122.03	
		For >8 To 16 Hours Usage Per Day, Add	*48.81*	
		For >16 To 24 Hours Usage Per Day, Add	*97.62*	
01 22 23 00-1031	WK	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	252.47	
		For >40 To 80 Hours Usage Per Week, Add	*100.99*	
		For >80 Hours Usage Per Week, Add	*201.98*	
01 22 23 00-1032	MO	12,000 GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	757.40	
		For >160 To 320 Hours Usage Per Month, Add	*302.96*	
		For >320 Hours Usage Per Month, Add	*605.92*	
		For >6 Months (>26 Weeks), Deduct	*-30.30*	
01 22 23 00-1033	DAY	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	122.03	
		For >8 To 16 Hours Usage Per Day, Add	*48.81*	
		For >16 To 24 Hours Usage Per Day, Add	*97.62*	
01 22 23 00-1034	WK	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	326.10	
		For >40 To 80 Hours Usage Per Week, Add	*130.44*	
		For >80 Hours Usage Per Week, Add	*260.88*	
01 22 23 00-1035	MO	25,000 GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	894.16	
		For >160 To 320 Hours Usage Per Month, Add	*357.66*	
		For >320 Hours Usage Per Month, Add	*715.33*	
		For >6 Months (>26 Weeks), Deduct	*-35.77*	
01 22 23 00-1036	DAY	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	193.56	
		For >8 To 16 Hours Usage Per Day, Add	*77.42*	
		For >16 To 24 Hours Usage Per Day, Add	*154.85*	
01 22 23 00-1037	WK	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	547.01	
		For >40 To 80 Hours Usage Per Week, Add	*218.80*	
		For >80 Hours Usage Per Week, Add	*437.61*	
01 22 23 00-1038	MO	35,000 GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,588.44	
		For >160 To 320 Hours Usage Per Month, Add	*635.38*	
		For >320 Hours Usage Per Month, Add	*1,270.75*	
		For >6 Months (>26 Weeks), Deduct	*-63.54*	

01 22 23 00-1039 Diesel Powered Portable Trash Pumps *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal. Excludes operator.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1040	DAY	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	378.70	
		For >8 To 16 Hours Usage Per Day, Add	*151.48*	
		For >16 To 24 Hours Usage Per Day, Add	*302.96*	
01 22 23 00-1041	WK	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	1,030.91	
		For >40 To 80 Hours Usage Per Week, Add	*412.36*	
		For >80 Hours Usage Per Week, Add	*824.73*	
01 22 23 00-1042	MO	63,000 GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,491.83	
		For >160 To 320 Hours Usage Per Month, Add	*1,796.73*	
		For >320 Hours Usage Per Month, Add	*3,593.46*	
		For >6 Months (>26 Weeks), Deduct	*-179.67*	
01 22 23 00-1043	DAY	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	578.57	
		For >8 To 16 Hours Usage Per Day, Add	*231.43*	
		For >16 To 24 Hours Usage Per Day, Add	*462.86*	
01 22 23 00-1044	WK	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,514.81	
		For >40 To 80 Hours Usage Per Week, Add	*605.92*	
		For >80 Hours Usage Per Week, Add	*1,211.85*	
01 22 23 00-1045	MO	156,000 GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	4,028.97	
		For >160 To 320 Hours Usage Per Month, Add	*1,611.59*	
		For >320 Hours Usage Per Month, Add	*3,223.18*	
		For >6 Months (>26 Weeks), Deduct	*-161.16*	
01 22 23 00-1046	DAY	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	786.86	
		For >8 To 16 Hours Usage Per Day, Add	*314.74*	
		For >16 To 24 Hours Usage Per Day, Add	*629.49*	
01 22 23 00-1047	WK	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	2,106.00	
		For >40 To 80 Hours Usage Per Week, Add	*842.40*	
		For >80 Hours Usage Per Week, Add	*1,684.80*	
01 22 23 00-1048	MO	246,000 GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,634.24	
		For >160 To 320 Hours Usage Per Month, Add	*2,253.70*	
		For >320 Hours Usage Per Month, Add	*4,507.39*	
		For >6 Months (>26 Weeks), Deduct	*-225.37*	
01 22 23 00-1049	DAY	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	1,018.29	
		For >8 To 16 Hours Usage Per Day, Add	*407.32*	
		For >16 To 24 Hours Usage Per Day, Add	*814.63*	
01 22 23 00-1050	WK	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,600.42	
		For >40 To 80 Hours Usage Per Week, Add	*1,040.17*	
		For >80 Hours Usage Per Week, Add	*2,080.34*	
01 22 23 00-1051	MO	379,000 GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,637.16	
		For >160 To 320 Hours Usage Per Month, Add	*3,054.86*	
		For >320 Hours Usage Per Month, Add	*6,109.73*	
		For >6 Months (>26 Weeks), Deduct	*-305.49*	

01 22 23 00-1052 Diesel Powered Portable Silenced Environmental Trash Pumps *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1053	DAY	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	540.70	
		For >8 To 16 Hours Usage Per Day, Add	*216.28*	
		For >16 To 24 Hours Usage Per Day, Add	*432.56*	
01 22 23 00-1054	WK	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,230.78	
		For >40 To 80 Hours Usage Per Week, Add	*492.31*	
		For >80 Hours Usage Per Week, Add	*984.62*	
01 22 23 00-1055	MO	90,000 GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,837.51	
		For >160 To 320 Hours Usage Per Month, Add	*1,535.00*	
		For >320 Hours Usage Per Month, Add	*3,070.01*	
		For >6 Months (>26 Weeks), Deduct	*-153.50*	
01 22 23 00-1056	DAY	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	662.73	
		For >8 To 16 Hours Usage Per Day, Add	*265.09*	
		For >16 To 24 Hours Usage Per Day, Add	*530.18*	
01 22 23 00-1057	WK	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,651.56	
		For >40 To 80 Hours Usage Per Week, Add	*660.62*	
		For >80 Hours Usage Per Week, Add	*1,321.25*	
01 22 23 00-1058	MO	136,800 GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,491.83	
		For >160 To 320 Hours Usage Per Month, Add	*1,796.73*	
		For >320 Hours Usage Per Month, Add	*3,593.46*	
		For >6 Months (>26 Weeks), Deduct	*-179.67*	
01 22 23 00-1059	DAY	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	799.48	
		For >8 To 16 Hours Usage Per Day, Add	*319.79*	
		For >16 To 24 Hours Usage Per Day, Add	*639.58*	
01 22 23 00-1060	WK	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,364.78	
		For >40 To 80 Hours Usage Per Week, Add	*945.91*	
		For >80 Hours Usage Per Week, Add	*1,891.82*	
01 22 23 00-1061	MO	246,000 GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,595.73	
		For >160 To 320 Hours Usage Per Month, Add	*2,638.29*	
		For >320 Hours Usage Per Month, Add	*5,276.58*	
		For >6 Months (>26 Weeks), Deduct	*-263.83*	
01 22 23 00-1062	DAY	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,203.43	
		For >8 To 16 Hours Usage Per Day, Add	*481.37*	
		For >16 To 24 Hours Usage Per Day, Add	*962.74*	
01 22 23 00-1063	WK	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,073.80	
		For >40 To 80 Hours Usage Per Week, Add	*1,229.52*	
		For >80 Hours Usage Per Week, Add	*2,459.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1064	MO	510,000 GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	9,025.73	
		For >160 To 320 Hours Usage Per Month, Add	*3,610.29*	
		For >320 Hours Usage Per Month, Add	*7,220.58*	
		For >6 Months (>26 Weeks), Deduct	*-361.03*	

01 22 23 00-1065 3 Phase Electric Submersible Pumps *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1066	DAY	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	210.39	
01 22 23 00-1067	WK	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	525.98	
01 22 23 00-1068	MO	24,000 GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,577.92	
		For >6 Months (>26 Weeks), Deduct	*-63.12*	
01 22 23 00-1069	DAY	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	277.71	
01 22 23 00-1070	WK	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	694.29	
01 22 23 00-1071	MO	49,800 GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	2,082.86	
		For >6 Months (>26 Weeks), Deduct	*-83.31*	

01 22 23 00-1072 Suction Hose With Couplings *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1073	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1074	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	16.08	
01 22 23 00-1075	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings	49.32	
		For >6 Months (>26 Weeks), Deduct	*-1.97*	
01 22 23 00-1076	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings	17.15	
		For Half Day Usage, Deduct	*-5.36*	
01 22 23 00-1077	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings	43.96	
01 22 23 00-1078	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings	134.01	
		For >6 Months (>26 Weeks), Deduct	*-5.36*	
01 22 23 00-1079	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings	25.73	
		For Half Day Usage, Deduct	*-8.04*	
01 22 23 00-1080	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings	65.40	
01 22 23 00-1081	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings	198.34	
		For >6 Months (>26 Weeks), Deduct	*-7.93*	
01 22 23 00-1082	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings	32.16	
		For Half Day Usage, Deduct	*-10.05*	
01 22 23 00-1083	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings	80.41	
01 22 23 00-1084	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings	235.86	
		For >6 Months (>26 Weeks), Deduct	*-9.43*	
01 22 23 00-1085	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings	75.05	
		For Half Day Usage, Deduct	*-23.45*	
01 22 23 00-1086	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings	192.98	
01 22 23 00-1087	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings	568.21	
		For >6 Months (>26 Weeks), Deduct	*-22.73*	
01 22 23 00-1088	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings	100.78	
		For Half Day Usage, Deduct	*-31.49*	
01 22 23 00-1089	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings	219.78	
01 22 23 00-1090	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings	659.34	
		For >6 Months (>26 Weeks), Deduct	*-26.37*	

01 22 23 00-1091 Discharge Hose With Couplings *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1092	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	6.43	
		For Half Day Usage, Deduct	*-2.01*	
01 22 23 00-1093	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	16.08	
01 22 23 00-1094	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings	49.32	
		For >6 Months (>26 Weeks), Deduct	*-1.97*	
01 22 23 00-1095	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	7.50	
		For Half Day Usage, Deduct	*-2.34*	
01 22 23 00-1096	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	18.23	
01 22 23 00-1097	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings	56.82	
		For >6 Months (>26 Weeks), Deduct	*-2.27*	
01 22 23 00-1098	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	8.58	
		For Half Day Usage, Deduct	*-2.68*	
01 22 23 00-1099	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	21.44	
01 22 23 00-1100	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings	65.40	
		For >6 Months (>26 Weeks), Deduct	*-2.62*	
01 22 23 00-1101	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	22.51	
		For Half Day Usage, Deduct	*-7.03*	
01 22 23 00-1102	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	57.89	
01 22 23 00-1103	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings	166.18	
		For >6 Months (>26 Weeks), Deduct	*-6.65*	
01 22 23 00-1104	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	27.87	
		For Half Day Usage, Deduct	*-8.71*	
01 22 23 00-1105	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	76.12	
01 22 23 00-1106	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings	209.06	
		For >6 Months (>26 Weeks), Deduct	*-8.36*	
01 22 23 00-1107	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	21.44	
		For Half Day Usage, Deduct	*-6.70*	
01 22 23 00-1108	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	53.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1109	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings	160.82	
		For >6 Months (>26 Weeks), Deduct	*-6.43*	
01 22 23 00-1110	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	54.68	
		For Half Day Usage, Deduct	*-17.09*	
01 22 23 00-1111	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	139.37	
01 22 23 00-1112	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings	412.76	
		For >6 Months (>26 Weeks), Deduct	*-16.51*	

01 22 23 00-1113 Hydraulic Submersible Pumps *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1114 Hydraulic Submersible Pumps *(01 22 23 00-1113)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1115	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	138.86	
		For >8 To 16 Hours Usage Per Day, Add	*55.54*	
		For >16 To 24 Hours Usage Per Day, Add	*111.09*	
01 22 23 00-1116	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	372.39	
		For >40 To 80 Hours Usage Per Week, Add	*148.96*	
		For >80 Hours Usage Per Week, Add	*297.91*	
01 22 23 00-1117	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump	1,041.43	
		For >160 To 320 Hours Usage Per Month, Add	*416.57*	
		For >320 Hours Usage Per Month, Add	*833.14*	
		For >6 Months (>26 Weeks), Deduct	*-41.66*	
01 22 23 00-1118	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	176.73	
		For >8 To 16 Hours Usage Per Day, Add	*70.69*	
		For >16 To 24 Hours Usage Per Day, Add	*141.38*	
01 22 23 00-1119	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	454.44	
		For >40 To 80 Hours Usage Per Week, Add	*181.78*	
		For >80 Hours Usage Per Week, Add	*363.55*	
01 22 23 00-1120	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump	1,388.57	
		For >160 To 320 Hours Usage Per Month, Add	*555.43*	
		For >320 Hours Usage Per Month, Add	*1,110.86*	
		For >6 Months (>26 Weeks), Deduct	*-55.54*	

01 22 23 00-1121 Hydraulic Submersible Pump Diesel Power Packs *(01 22 23 00-1113)*

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-1122	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack	320.84	
		For >8 To 16 Hours Usage Per Day, Add	*128.34*	
		For >16 To 24 Hours Usage Per Day, Add	*256.67*	
01 22 23 00-1123	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack	957.27	
		For >40 To 80 Hours Usage Per Week, Add	*382.91*	
		For >80 Hours Usage Per Week, Add	*765.82*	
01 22 23 00-1124	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack	2,524.68	
		For >160 To 320 Hours Usage Per Month, Add	*1,009.87*	
		For >320 Hours Usage Per Month, Add	*2,019.74*	
		For >6 Months (>26 Weeks), Deduct	*-100.99*	

01 22 23 00-1125 HDPE Pipe With Couplings *(01 22 23 00-1014)*

Note: Includes delivery, set-up, and removal.

01 22 23 00-1126	DAY	4" Diameter x 50' Length, HDPE Pipe With Couplings	18.42	
		For Half Day Usage, Deduct	*-5.76*	
01 22 23 00-1127	WK	4" Diameter x 50' Length, HDPE Pipe With Couplings	44.21	
01 22 23 00-1128	MO	4" Diameter x 50' Length, HDPE Pipe With Couplings	136.30	
		For >6 Months (>26 Weeks), Deduct	*-5.45*	
01 22 23 00-1129	DAY	6" Diameter x 50' Length, HDPE Pipe With Couplings	29.47	
		For Half Day Usage, Deduct	*-9.21*	
01 22 23 00-1130	WK	6" Diameter x 50' Length, HDPE Pipe With Couplings	73.68	
01 22 23 00-1131	MO	6" Diameter x 50' Length, HDPE Pipe With Couplings	224.71	
		For >6 Months (>26 Weeks), Deduct	*-8.99*	
01 22 23 00-1132	DAY	8" Diameter x 50' Length, HDPE Pipe With Couplings	47.89	
		For Half Day Usage, Deduct	*-14.97*	
01 22 23 00-1133	WK	8" Diameter x 50' HDPE Length, HDPE With Couplings	125.25	
01 22 23 00-1134	MO	8" Diameter x 50' Length, HDPE Pipe With Couplings	372.06	
		For >6 Months (>26 Weeks), Deduct	*-14.88*	
01 22 23 00-1135	DAY	10" Diameter x 50' Length, HDPE Pipe With Couplings	58.94	
		For Half Day Usage, Deduct	*-18.42*	
01 22 23 00-1136	WK	10" Diameter x 50' Length, HDPE Pipe With Couplings	151.04	
01 22 23 00-1137	MO	10" Diameter x 50' Length, HDPE Pipe With Couplings	460.48	
		For >6 Months (>26 Weeks), Deduct	*-18.42*	
01 22 23 00-1138	DAY	12" Diameter x 20' Length, HDPE Pipe With Couplings	44.21	
		For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1139	WK	12" Diameter x 20' Length, HDPE Pipe With Couplings	121.57	
01 22 23 00-1140	MO	12" Diameter x 20' Length, HDPE Pipe With Couplings	368.38	
		For >6 Months (>26 Weeks), Deduct	*-14.74*	
01 22 23 00-1141	DAY	4" Diameter Elbow For HDPE Pipe, Quick Connect	44.21	
		For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1142	WK	4" Diameter Elbow For HDPE Pipe, Quick Connect	114.20	
01 22 23 00-1143	MO	4" Diameter Elbow For HDPE Pipe, Quick Connect	338.91	
		For >6 Months (>26 Weeks), Deduct	*-13.56*	
01 22 23 00-1144	DAY	6" Diameter Elbow For HDPE Pipe, Quick Connect	51.57	
		For Half Day Usage, Deduct	*-16.12*	
01 22 23 00-1145	WK	6" Diameter Elbow For HDPE Pipe, Quick Connect	132.62	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1146	MO	6" Diameter Elbow For HDPE Pipe, Quick Connect	405.22	
		For >6 Months (>26 Weeks), Deduct	*-16.21*	
01 22 23 00-1147	DAY	8" Diameter Elbow For HDPE Pipe, Quick Connect	58.94	
		For Half Day Usage, Deduct	*-18.42*	
01 22 23 00-1148	WK	8" Diameter Elbow For HDPE Pipe, Quick Connect	151.04	
01 22 23 00-1149	MO	8" Diameter Elbow For HDPE Pipe, Quick Connect	460.48	
		For >6 Months (>26 Weeks), Deduct	*-18.42*	
01 22 23 00-1150	DAY	10" Diameter Elbow For HDPE Pipe, Quick Connect	73.68	
		For Half Day Usage, Deduct	*-23.03*	
01 22 23 00-1151	WK	10" Diameter Elbow For HDPE Pipe, Quick Connect	187.87	
01 22 23 00-1152	MO	10" Diameter Elbow For HDPE Pipe, Quick Connect	570.99	
		For >6 Months (>26 Weeks), Deduct	*-22.84*	
01 22 23 00-1153	DAY	12" Diameter Elbow For HDPE Pipe, Quick Connect	73.68	
		For Half Day Usage, Deduct	*-23.03*	
01 22 23 00-1154	WK	12" Diameter Elbow For HDPE Pipe, Quick Connect	187.87	
01 22 23 00-1155	MO	12" Diameter Elbow For HDPE Pipe, Quick Connect	570.99	
		For >6 Months (>26 Weeks), Deduct	*-22.84*	
01 22 23 00-1156	DAY	4" Diameter Tee For HDPE Pipe, Quick Connect	44.21	
		For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1157	WK	4" Diameter Tee For HDPE Pipe, Quick Connect	114.20	
01 22 23 00-1158	MO	4" Diameter Tee For HDPE Pipe, Quick Connect	338.91	
		For >6 Months (>26 Weeks), Deduct	*-13.56*	
01 22 23 00-1159	DAY	6" Diameter Tee For HDPE Pipe, Quick Connect	58.94	
		For Half Day Usage, Deduct	*-18.42*	
01 22 23 00-1160	WK	6" Diameter Tee For HDPE Pipe, Quick Connect	151.04	
01 22 23 00-1161	MO	6" Diameter Tee For HDPE Pipe, Quick Connect	460.48	
		For >6 Months (>26 Weeks), Deduct	*-18.42*	
01 22 23 00-1162	DAY	8" Diameter Tee For HDPE Pipe, Quick Connect	73.68	
		For Half Day Usage, Deduct	*-23.03*	
01 22 23 00-1163	WK	8" Diameter Tee For HDPE Pipe, Quick Connect	187.87	
01 22 23 00-1164	MO	8" Diameter Tee For HDPE Pipe, Quick Connect	570.99	
		For >6 Months (>26 Weeks), Deduct	*-22.84*	
01 22 23 00-1165	DAY	10" Diameter Tee For HDPE Pipe, Quick Connect	88.41	
		For Half Day Usage, Deduct	*-27.63*	
01 22 23 00-1166	WK	10" Diameter Tee For HDPE Pipe, Quick Connect	224.71	
01 22 23 00-1167	MO	10" Diameter Tee For HDPE Pipe, Quick Connect	681.50	
		For >6 Months (>26 Weeks), Deduct	*-27.26*	
01 22 23 00-1168	DAY	12" Diameter Tee For HDPE Pipe, Quick Connect	88.41	
		For Half Day Usage, Deduct	*-27.63*	
01 22 23 00-1169	WK	12" Diameter Tee For HDPE Pipe, Quick Connect	224.71	
01 22 23 00-1170	MO	12" Diameter Tee For HDPE Pipe, Quick Connect	681.50	
		For >6 Months (>26 Weeks), Deduct	*-27.26*	
01 22 23 00-1171	DAY	4" Diameter Cap For HDPE Pipe, Quick Connect	7.37	
		For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1172	WK	4" Diameter Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1173	MO	4" Diameter Cap For HDPE Pipe, Quick Connect	66.31	
		For >6 Months (>26 Weeks), Deduct	*-2.65*	
01 22 23 00-1174	DAY	6" Diameter Cap For HDPE Pipe, Quick Connect	7.37	
		For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1175	WK	6" Diameter Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1176	MO	6" Diameter Cap For HDPE Pipe, Quick Connect	66.31	
		For >6 Months (>26 Weeks), Deduct	*-2.65*	
01 22 23 00-1177	DAY	8" Diameter Cap For HDPE Pipe, Quick Connect	7.37	
		For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1178	WK	8" Diameter Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1179	MO	8" Diameter Cap For HDPE Pipe, Quick Connect	66.31	
		For >6 Months (>26 Weeks), Deduct	*-2.65*	
01 22 23 00-1180	DAY	10" Diameter Cap For HDPE Pipe, Quick Connect	7.37	
		For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1181	WK	10" Diameter Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1182	MO	10" Diameter Cap For HDPE Pipe, Quick Connect	66.31	
		For >6 Months (>26 Weeks), Deduct	*-2.65*	
01 22 23 00-1183	DAY	12" Diameter Cap For HDPE Pipe, Quick Connect	7.37	
		For Half Day Usage, Deduct	*-2.30*	
01 22 23 00-1184	WK	12" Diameter Cap For HDPE Pipe, Quick Connect	22.10	
01 22 23 00-1185	MO	12" Diameter Cap For HDPE Pipe, Quick Connect	66.31	
		For >6 Months (>26 Weeks), Deduct	*-2.65*	
01 22 23 00-1186	DAY	4" Diameter Wye For HDPE Pipe, Quick Connect	22.10	
		For Half Day Usage, Deduct	*-6.91*	
01 22 23 00-1187	WK	4" Diameter Wye For HDPE Pipe, Quick Connect	55.26	
01 22 23 00-1188	MO	4" Diameter Wye For HDPE Pipe, Quick Connect	169.45	
		For >6 Months (>26 Weeks), Deduct	*-6.78*	
01 22 23 00-1189	DAY	6" Diameter Wye For HDPE Pipe, Quick Connect	25.79	
		For Half Day Usage, Deduct	*-8.06*	
01 22 23 00-1190	WK	6" Diameter Wye For HDPE Pipe, Quick Connect	66.31	
01 22 23 00-1191	MO	6" Diameter Wye For HDPE Pipe, Quick Connect	202.61	
		For >6 Months (>26 Weeks), Deduct	*-8.10*	
01 22 23 00-1192	DAY	8" Diameter Wye For HDPE Pipe, Quick Connect	44.21	
		For Half Day Usage, Deduct	*-13.82*	
01 22 23 00-1193	WK	8" Diameter Wye For HDPE Pipe, Quick Connect	114.20	
01 22 23 00-1194	MO	8" Diameter Wye For HDPE Pipe, Quick Connect	338.91	
		For >6 Months (>26 Weeks), Deduct	*-13.56*	
01 22 23 00-1195	DAY	10" Diameter Wye For HDPE Pipe, Quick Connect	66.31	
		For Half Day Usage, Deduct	*-20.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1196	WK	10" Diameter Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1197	MO	10" Diameter Wye For HDPE Pipe, Quick Connect	515.73	
		For >6 Months (>26 Weeks), Deduct	*-20.63*	
01 22 23 00-1198	DAY	12" Diameter Wye For HDPE Pipe, Quick Connect	66.31	
		For Half Day Usage, Deduct	*-20.72*	
01 22 23 00-1199	WK	12" Diameter Wye For HDPE Pipe, Quick Connect	169.45	
01 22 23 00-1200	MO	12" Diameter Wye For HDPE Pipe, Quick Connect	515.73	
		For >6 Months (>26 Weeks), Deduct	*-20.63*	
01 22 23 00-1201		Temporary Building Services *(01 22 23)*		
01 22 23 00-1202		Boilers *(01 22 23 00-1201)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1203		Electric Boilers *(01 22 23 00-1202)*		
01 22 23 00-1204	MO	40 MBH, 12 KW Electric Boiler Rental	2,871.84	
01 22 23 00-1205	MO	60 MBH, 20 KW Electric Boiler Rental	3,132.95	
01 22 23 00-1206	MO	95 MBH, 30 KW Electric Boiler Rental	3,263.51	
01 22 23 00-1207	MO	135 MBH, 40 KW Electric Boiler Rental	3,655.06	
01 22 23 00-1208	MO	165 MBH, 50 KW Electric Boiler Rental	5,090.98	
01 22 23 00-1209	MO	215 MBH, 60 KW Electric Boiler Rental	5,874.23	
01 22 23 00-1210	MO	365 MBH, 100 KW Electric Boiler Rental	7,701.83	
01 22 23 00-1211	MO	510 MBH, 150 KW Electric Boiler Rental	9,398.85	
01 22 23 00-1212		Oil/Gas Fired Boilers *(01 22 23 00-1202)*		
01 22 23 00-1213	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental	2,526.50	
01 22 23 00-1214	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental	3,284.45	
01 22 23 00-1215	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental	5,305.65	
01 22 23 00-1216	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental	7,326.85	
01 22 23 00-1217		Oil Fired Boilers *(01 22 23 00-1202)*		
01 22 23 00-1218	MO	250 HP Oil Fired Boiler Rental	8,065.57	
01 22 23 00-1219	MO	350 HP Oil Fired Boiler Rental	10,754.10	
01 22 23 00-1220	MO	500 HP Oil Fired Boiler Rental	13,442.62	
01 22 23 00-1221	MO	600 HP Oil Fired Boiler Rental	14,786.89	
01 22 23 00-1222		Boilers Setup *(01 22 23 00-1202)*		
01 22 23 00-1223	EA	Setup Rental Boiler	8,007.46	
		Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1224		Chillers *(01 22 23 00-1201)*		
		Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1225		Air-Cooled Chillers *(01 22 23 00-1224)*		
01 22 23 00-1226	MO	25 Ton Air-Cooled Chiller Rental	2,542.48	
		For >3 To 6 Month Rental, Deduct	*-381.37*	
		For >6 Months (>26 Weeks), Deduct	*-635.62*	
01 22 23 00-1227	MO	40 Ton Air-Cooled Chiller Rental	4,067.98	
		For >3 To 6 Month Rental, Deduct	*-610.20*	
		For >6 Months (>26 Weeks), Deduct	*-1,017.00*	
01 22 23 00-1228	MO	60 Ton Air-Cooled Chiller Rental	4,975.60	
		For >3 To 6 Month Rental, Deduct	*-746.34*	
		For >6 Months (>26 Weeks), Deduct	*-1,243.90*	
01 22 23 00-1229	MO	80 Ton Air-Cooled Chiller Rental	5,883.22	
		For >3 To 6 Month Rental, Deduct	*-882.48*	
		For >6 Months (>26 Weeks), Deduct	*-1,470.81*	
01 22 23 00-1230	MO	100 Ton Air-Cooled Chiller Rental	6,790.84	
		For >3 To 6 Month Rental, Deduct	*-1,018.63*	
		For >6 Months (>26 Weeks), Deduct	*-1,697.71*	
01 22 23 00-1231	MO	125 Ton Air-Cooled Chiller Rental	7,867.32	
		For >3 To 6 Month Rental, Deduct	*-1,180.10*	
		For >6 Months (>26 Weeks), Deduct	*-1,966.83*	
01 22 23 00-1232	MO	155 Ton Air-Cooled Chiller Rental	9,517.53	
		For >3 To 6 Month Rental, Deduct	*-1,427.63*	
		For >6 Months (>26 Weeks), Deduct	*-2,379.38*	
01 22 23 00-1233	MO	170 Ton Air-Cooled Chiller Rental	10,177.62	
		For >3 To 6 Month Rental, Deduct	*-1,526.64*	
		For >6 Months (>26 Weeks), Deduct	*-2,544.41*	
01 22 23 00-1234	MO	200 Ton Air-Cooled Chiller Rental	11,691.60	
		For >3 To 6 Month Rental, Deduct	*-1,753.74*	
		For >6 Months (>26 Weeks), Deduct	*-2,922.90*	
01 22 23 00-1235	MO	250 Ton Air-Cooled Chiller Rental	13,911.73	
		For >3 To 6 Month Rental, Deduct	*-2,086.76*	
		For >6 Months (>26 Weeks), Deduct	*-3,477.93*	
01 22 23 00-1236	MO	300 Ton Air-Cooled Chiller Rental	16,233.54	
		Note: Includes trailer.		
		For >3 To 6 Month Rental, Deduct	*-2,435.03*	
		For >6 Months (>26 Weeks), Deduct	*-4,058.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1237	MO	400 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	21,414.46	
		For >3 To 6 Month Rental, Deduct	*-3,212.17*	
		For >6 Months (>26 Weeks), Deduct	*-5,353.62*	
01 22 23 00-1238	MO	500 Ton Air-Cooled Chiller Rental Note: Includes trailer, pump and 200' of 6" hose.	26,507.11	
		For >3 To 6 Month Rental, Deduct	*-3,976.07*	
		For >6 Months (>26 Weeks), Deduct	*-6,626.78*	
01 22 23 00-1239	EA	Setup Air-Cooled Chiller Rental Unit Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.	5,566.16	

01 22 23 00-1240 Chiller Rental Accessories *(01 22 23 00-1224)*

01 22 23 00-1241	MO	4" x 25' Flexible Water Hose For Chiller Rental	45.30	
01 22 23 00-1242	MO	6" x 25' Flexible Water Hose For Chiller Rental	56.63	

01 22 23 00-1243 Emergency Cooler/Freezer *(01 22 23 00-1201)*

Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.

01 22 23 00-1244	DAY	8 x 6 x 7 Emergency Cooler Rental	147.35	
		For Half Day Usage, Deduct	*-46.05*	
01 22 23 00-1245	WK	8 x 6 x 7 Emergency Cooler Rental	785.88	
01 22 23 00-1246	DAY	10 x 7 x 7 Emergency Cooler Rental	294.70	
		For Half Day Usage, Deduct	*-92.09*	
01 22 23 00-1247	WK	10 x 7 x 7 Emergency Cooler Rental	1,178.82	
01 22 23 00-1248	MO	10 x 7 x 7 Emergency Cooler Rental	2,947.05	
01 22 23 00-1249	DAY	10 x 7 x 7 Emergency Freezer Rental	343.82	
		For Half Day Usage, Deduct	*-107.44*	
01 22 23 00-1250	WK	10 x 7 x 7 Emergency Freezer Rental	1,375.29	
01 22 23 00-1251	MO	10 x 7 x 7 Emergency Freezer Rental	3,536.46	
01 22 23 00-1252	DAY	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	392.94	
		For Half Day Usage, Deduct	*-122.79*	
01 22 23 00-1253	WK	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	1,571.76	
01 22 23 00-1254	MO	6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental	3,929.40	

01 22 23 00-1255 Portable Spot Cooling Units *(01 22 23 00-1201)*

Note: Includes up to 20' duct. Excludes operator, delivery, set-up, and removal.

01 22 23 00-1256	DAY	1 Ton Portable Spot Cooling Unit	222.08	
		For Half Day Usage, Deduct	*-69.40*	
01 22 23 00-1257	WK	1 Ton Portable Spot Cooling Unit	481.18	
01 22 23 00-1258	MO	1 Ton Portable Spot Cooling Unit	1,137.46	
		For >6 Months (>26 Weeks), Deduct	*-45.50*	
01 22 23 00-1259	DAY	1.5 Ton Portable Spot Cooling Unit	290.41	
		For Half Day Usage, Deduct	*-90.75*	
01 22 23 00-1260	WK	1.5 Ton Portable Spot Cooling Unit	596.49	
01 22 23 00-1261	MO	1.5 Ton Portable Spot Cooling Unit	1,399.40	
		For >6 Months (>26 Weeks), Deduct	*-55.98*	
01 22 23 00-1262	DAY	2 Ton Portable Spot Cooling Unit	391.49	
		For Half Day Usage, Deduct	*-122.34*	
01 22 23 00-1263	WK	2 Ton Portable Spot Cooling Unit	818.57	
01 22 23 00-1264	MO	2 Ton Portable Spot Cooling Unit	1,516.13	
		For >6 Months (>26 Weeks), Deduct	*-60.65*	
01 22 23 00-1265	DAY	3 Ton Portable Spot Cooling Unit	410.00	
		For Half Day Usage, Deduct	*-128.13*	
01 22 23 00-1266	WK	3 Ton Portable Spot Cooling Unit	868.40	
01 22 23 00-1267	MO	3 Ton Portable Spot Cooling Unit	1,919.01	
		For >6 Months (>26 Weeks), Deduct	*-76.76*	
01 22 23 00-1268	DAY	5 Ton Portable Spot Cooling Unit	640.62	
		For Half Day Usage, Deduct	*-200.19*	
01 22 23 00-1269	WK	5 Ton Portable Spot Cooling Unit	1,295.48	
01 22 23 00-1270	MO	5 Ton Portable Spot Cooling Unit	2,692.03	
		For >6 Months (>26 Weeks), Deduct	*-107.68*	
01 22 23 00-1271	DAY	10 To 12 Ton Portable Spot Cooling Unit	837.08	
		For Half Day Usage, Deduct	*-261.59*	
01 22 23 00-1272	WK	10 To 12 Ton Portable Spot Cooling Unit	1,886.27	
01 22 23 00-1273	MO	10 To 12 Ton Portable Spot Cooling Unit	4,552.67	
		For >6 Months (>26 Weeks), Deduct	*-182.11*	
01 22 23 00-1274	DAY	20 Ton Portable Spot Cooling Unit	960.93	
		For Half Day Usage, Deduct	*-300.29*	
01 22 23 00-1275	WK	20 Ton Portable Spot Cooling Unit	2,206.58	
01 22 23 00-1276	MO	20 Ton Portable Spot Cooling Unit	6,149.95	
		For >6 Months (>26 Weeks), Deduct	*-246.00*	
01 22 23 00-1277	DAY	25 Ton Portable Spot Cooling Unit	1,366.66	
		For Half Day Usage, Deduct	*-427.08*	
01 22 23 00-1278	WK	25 Ton Portable Spot Cooling Unit	2,768.90	
01 22 23 00-1279	MO	25 Ton Portable Spot Cooling Unit	6,441.79	
		For >6 Months (>26 Weeks), Deduct	*-257.67*	
01 22 23 00-1280	EA	Setup Rental Of Up To 5 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	264.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1281	EA	Setup Rental Of 10 To 15 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	609.40	
01 22 23 00-1282	EA	Setup Rental Of 20 To 25 Ton Portable Spot Cooler Note: Includes delivery, setup, connection to power outlet and conncection to duct and removal. Excludes electrical wiring.	885.00	

01 22 23 00-1283 Fuel Oil Tank *(01 22 23 00-1201)*

Note: Excludes delivery to job site and pick-up when complete. Excludes 0ff-road fuel costs. See CSI section 01 22 23 00-0777 for reimbursable fuel fees.

01 22 23 00-1284	MO	100 Gallon Portable Double Wall Fuel Oil Tank Rental	396.94	
		For >6 Months (>26 Weeks), Deduct	*-15.88*	
01 22 23 00-1285	MO	275 Gallon Portable Double Wall Fuel Oil Tank Rental	617.46	
		For >6 Months (>26 Weeks), Deduct	*-24.70*	
01 22 23 00-1286	MO	500 Gallon Portable Double Wall Fuel Oil Tank Rental	1,543.66	
		For >6 Months (>26 Weeks), Deduct	*-61.75*	
01 22 23 00-1287	MO	1,000 Gallon Portable Double Wall Fuel Oil Tank Rental	2,572.76	
		For >6 Months (>26 Weeks), Deduct	*-102.91*	
01 22 23 00-1288	MO	2,300 Gallon Portable Double Wall Fuel Oil Tank Rental	3,396.05	
		For >6 Months (>26 Weeks), Deduct	*-135.84*	
01 22 23 00-1289	MO	5,000 Gallon Portable Double Wall Fuel Oil Tank Rental	6,066.82	
		For >6 Months (>26 Weeks), Deduct	*-242.67*	

01 22 23 00-1290 Truck And Trailer Equipment *(01 22 23)*

01 22 23 00-1291 Trucks *(01 22 23 00-1290)*

Note: Includes driver, delivery to job site and pick-up when complete.

01 22 23 00-1292 Flat Bed Trucks *(01 22 23 00-1291)*

Note: Includes hydraulic tilt bed.

01 22 23 00-1293	DAY	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,089.82	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-490.47*	
01 22 23 00-1294	WK	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	4,758.55	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1295	MO	1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	19,244.54	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-76.90*	
01 22 23 00-1296	DAY	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,215.37	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-529.71*	
01 22 23 00-1297	WK	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,080.28	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1298	MO	3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	20,068.47	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-109.86*	
01 22 23 00-1299	DAY	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	1,305.45	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-557.86*	
01 22 23 00-1300	WK	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	5,424.60	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1301	MO	6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver	21,378.92	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-162.28*	

01 22 23 00-1302 Light Off-Road Utility Passenger Vehicles *(01 22 23 00-1291)*

01 22 23 00-1303	DAY	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	309.84	
		For Half Day Usage, Deduct	*-96.83*	
01 22 23 00-1304	WK	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	716.50	
01 22 23 00-1305	MO	4 Wheel, 2 Person, Light Off Road Utility Passenger Vehicle	1,549.20	
		For >6 Months (>26 Weeks), Deduct	*-61.97*	
01 22 23 00-1306	DAY	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	319.52	
		For Half Day Usage, Deduct	*-99.85*	
01 22 23 00-1307	WK	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	745.55	
01 22 23 00-1308	MO	4 Wheel, 4 Person, Light Off Road Utility Passenger Vehicle	1,646.02	
		For >6 Months (>26 Weeks), Deduct	*-65.84*	

01 22 23 00-1309 Light And Heavy Duty Trucks *(01 22 23 00-1291)*

01 22 23 00-1310	DAY	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	1,050.74	
		For Equipment Without Operator, Deduct	*-792.29*	
		For Half Day Usage, Deduct	*-476.91*	
01 22 23 00-1311	WK	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	4,809.48	
		For Equipment Without Operator, Deduct	*-3,961.45*	
01 22 23 00-1312	MO	1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver	18,943.11	
		For Equipment Without Operator, Deduct	*-17,166.28*	
		For >6 Months (>26 Weeks), Deduct	*-71.07*	
01 22 23 00-1313	DAY	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	1,099.20	
		For Equipment Without Operator, Deduct	*-792.29*	
		For Half Day Usage, Deduct	*-492.05*	
01 22 23 00-1314	WK	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	4,954.86	
		For Equipment Without Operator, Deduct	*-3,961.45*	

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	MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1315	MO	3/4 Ton, 4 x 4 Heavy Duty Crew Cab Pickup Truck With Full-Time Truck Driver	19,266.17	
		For Equipment Without Operator, Deduct	*-17,166.28*	
		For >6 Months (>26 Weeks), Deduct	*-84.00*	

01 22 23 00-1316 Boom Trucks *(01 22 23 00-1291)*

01 22 23 00-1317	DAY	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	1,340.14	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-568.70*	
01 22 23 00-1318	WK	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	5,405.14	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1319	MO	3-1/2 Ton, 4 x 2 Boom Truck With Full-Time Truck Driver	20,892.40	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-142.82*	

01 22 23 00-1320 Rear Dump Trucks *(01 22 23 00-1291)*

01 22 23 00-1321	DAY	2.5 CY Rear Dump Truck With Full-Time Truck Driver	1,160.25	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-512.48*	
01 22 23 00-1322	WK	2.5 CY Rear Dump Truck With Full-Time Truck Driver	4,950.29	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1323	MO	2.5 CY Rear Dump Truck With Full-Time Truck Driver	20,239.54	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-116.70*	
01 22 23 00-1324	DAY	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	1,279.85	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-549.86*	
01 22 23 00-1325	WK	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	5,320.86	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1326	MO	3 To 4 CY Rear Dump Truck With Full-Time Truck Driver	20,753.24	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-137.25*	
01 22 23 00-1327	DAY	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	1,348.48	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-571.30*	
01 22 23 00-1328	WK	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	5,467.91	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1329	MO	5 To 6 CY Rear Dump Truck With Full-Time Truck Driver	20,851.28	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-141.17*	
01 22 23 00-1330	DAY	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	2,162.17	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-825.58*	
01 22 23 00-1331	WK	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	7,144.31	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1332	MO	12 To 14 CY Rear Dump Truck With Full-Time Truck Driver	25,556.96	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-329.40*	
01 22 23 00-1333	DAY	18 CY Rear Dump Truck With Full-Time Truck Driver	2,298.44	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-868.17*	
01 22 23 00-1334	WK	18 CY Rear Dump Truck With Full-Time Truck Driver	7,459.01	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1335	MO	18 CY Rear Dump Truck With Full-Time Truck Driver	26,380.45	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-362.34*	

01 22 23 00-1336 Under-Bridge Inspection Trucks *(01 22 23 00-1291)*

01 22 23 00-1337	DAY	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	4,747.20	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-1,633.40*	
01 22 23 00-1338	WK	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	21,602.07	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1339	MO	40' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	79,727.66	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-2,496.23*	
01 22 23 00-1340	DAY	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,280.67	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-1,800.11*	
01 22 23 00-1341	WK	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	22,669.01	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1342	MO	50' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	83,753.83	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-2,657.27*	
01 22 23 00-1343	DAY	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	5,600.76	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-1,900.14*	
01 22 23 00-1344	WK	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	24,269.44	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1345	MO	60' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	87,780.01	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-2,818.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1346	DAY	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	6,987.79	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-2,333.59*	
01 22 23 00-1347	WK	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	30,671.14	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1348	MO	75' Reach Under Bridge Inspection Truck (UBIT) With Full-Time Truck Driver	107,910.85	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-3,623.55*	

01 22 23 00-1349 Vacuum Trucks *(01 22 23 00-1291)*

01 22 23 00-1350	DAY	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	1,163.54	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-513.51*	
01 22 23 00-1351	WK	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	5,082.44	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1352	MO	1,500 To 2,000 Gallon Vacuum Truck With Full-Time Truck Driver	20,527.21	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-128.21*	
01 22 23 00-1353	DAY	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	2,152.36	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-822.52*	
01 22 23 00-1354	WK	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	8,071.72	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1355	MO	5,000 Gallon Vacuum Truck With Full-Time Truck Driver	29,345.03	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-480.92*	

01 22 23 00-1356 Water Trucks *(01 22 23 00-1291)*

Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-1091 for additional discharge hose, 01 22 23 00-1388 for water trailer.

01 22 23 00-1357	DAY	2,000 Gallon Water Truck With Full-Time Driver	1,441.94	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-600.51*	
01 22 23 00-1358	WK	2,000 Gallon Water Truck With Full-Time Driver	5,689.21	
		For Equipment Without Operator, Deduct	*-3,997.39*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1359	MO	2,000 Gallon Water Truck With Full-Time Driver	21,319.58	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For >6 Months (>26 Weeks), Deduct	*-159.90*	
01 22 23 00-1360	DAY	2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	1,556.16	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-636.20*	
01 22 23 00-1361	WK	2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	6,481.59	
		For Equipment Without Operator, Deduct	*-3,997.39*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1362	MO	2,500 To 3,000 Gallon Water Truck With Full-Time Truck Driver	23,511.10	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For >6 Months (>26 Weeks), Deduct	*-247.56*	
01 22 23 00-1363	DAY	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	1,756.04	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For Half Day Usage, Deduct	*-698.67*	
01 22 23 00-1364	WK	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	6,631.50	
		For Equipment Without Operator, Deduct	*-3,997.39*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
01 22 23 00-1365	MO	3,700 To 4,000 Gallon Water Truck With Full-Time Truck Driver	23,746.67	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For Each 1,000 Gallon Of Purchased Water, Add	*14.94*	
		For >6 Months (>26 Weeks), Deduct	*-256.99*	

01 22 23 00-1366 Asphalt Distribution Trucks *(01 22 23 00-1291)*

01 22 23 00-1367	DAY	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	2,144.46	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-820.05*	
01 22 23 00-1368	WK	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	8,015.05	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1369	MO	3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver	29,199.24	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-475.09*	

01 22 23 00-1370 Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board *(01 22 23 00-1291)*

01 22 23 00-1371	DAY	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	1,537.70	
		For Equipment Without Operator, Deduct	*-792.29*	
		For Half Day Usage, Deduct	*-629.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1372	WK	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	6,161.37	
		For Equipment Without Operator, Deduct	*-3,961.45*	
01 22 23 00-1373	MO	Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver	22,508.71	
		For Equipment Without Operator, Deduct	*-17,166.28*	
		For >6 Months (>26 Weeks), Deduct	*-213.70*	

01 22 23 00-1374 Vacuum Sweeper Trucks For Bridge Decks *(01 22 23 00-1291)*

01 22 23 00-1375	DAY	Vacuum Sweeper Truck, With Full-Time Truck Driver	2,152.36	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-822.52*	
01 22 23 00-1376	WK	Vacuum Sweeper Truck, With Full-Time Truck Driver	8,071.72	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1377	MO	Vacuum Sweeper Truck, With Full-Time Truck Driver	29,345.03	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-480.92*	

01 22 23 00-1378 Straight/Box Trucks *(01 22 23 00-1291)*

01 22 23 00-1379	DAY	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	923.46	
		For Equipment Without Operator, Deduct	*-799.48*	
		For Half Day Usage, Deduct	*-438.48*	
01 22 23 00-1380	WK	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	4,617.30	
		For Equipment Without Operator, Deduct	*-3,997.39*	
01 22 23 00-1381	MO	18,000 Lb. Capacity, 24' Straight/Box Truck With Full-Time Truck Driver Note: Includes 2,500 Lb. lift gate.	19,151.94	
		For Equipment Without Operator, Deduct	*-17,322.02*	
		For >6 Months (>26 Weeks), Deduct	*-73.20*	

01 22 23 00-1382 Truck Mounted Accessories *(01 22 23 00-1290)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1383 Truck Mounted Arrow Boards *(01 22 23 00-1382)*

01 22 23 00-1384	DAY	Truck Mounted Arrow Board	55.92	
		For Half Day Usage, Deduct	*-17.48*	
01 22 23 00-1385	WK	Truck Mounted Arrow Board	222.39	
01 22 23 00-1386	MO	Truck Mounted Arrow Board	792.98	
		For >6 Months (>26 Weeks), Deduct	*-31.72*	

01 22 23 00-1387 Trailers *(01 22 23 00-1290)*

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-1388 Water Trailers With Pump *(01 22 23 00-1387)*

01 22 23 00-1389	DAY	500 To 600 Gallon Water Trailer With Pump	164.19	
		For Half Day Usage, Deduct	*-51.31*	
01 22 23 00-1390	WK	500 To 600 Gallon Water Trailer With Pump	421.17	
01 22 23 00-1391	MO	500 To 600 Gallon Water Trailer With Pump	1,127.88	
		For >6 Months (>26 Weeks), Deduct	*-45.12*	

01 22 23 00-1392 CALTRANs Equipment Rental Rates *(01 22 23)*

Note: An appropriate labor surcharge will be established by the Division of Construction for work that is determined by the resident engineer to be covered by Longshoreman and Harbor Worker's Act. (These tasks will be requested specifically by the owner for miscellaneous work not covered in the Construction Task Catalog®)

01 22 23 00-1393	EA	CALTRANs Equipment Rental Rates, Reimbursable Note: Reimbursable Fees will be paid to the contractor for eligible costs. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee. Per https://dot.ca.gov/-/media/dot-media/programs/construction/documents/equipment-rental-rates-and-labor-surcharge/book_2023.pdf (Or use most current dated PDF)	1.00

01 30 Administrative Requirements *(01)*

01 35 Special Procedures *(01 30)*

01 35 29 Health, Safety, and Emergency Response Procedures *(01 35)*

See CSI section 02 90 00 00-0000 for disaster recovery task.

01 35 29 00-0001 Emergency Response *(01 35 29)*

See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0057 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0030 for container usage.

01 35 29 00-0002	MI	Trucking Delivery Of 20' Shipping Container	2.70
01 35 29 00-0003	MI	Trucking Delivery Of 40' Shipping Container	5.40

01 35 33 Infection Control Procedures *(01 35)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

01 40 Quality Requirements *(01)*

01 41 Regulatory Requirements *(01 40)*

01 41 26 Permit Requirements *(01 41)*

See CSI section 01 22 16 00-0001 for reimbursable fees.

01 42 References *(01 40)*

01 42 13 Abbreviations and Acronyms *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE	Abbreviations And Acronyms Note: For specification publishing. Review specifications for requirements.	0.00

01 42 16 Definitions *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE	Definitions Note: For specification publishing. Review specifications for requirements.	0.00

01 42 19 Reference Standards *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE	Reference Standards Note: For specification publishing. Review specifications for requirements.	0.00

01 42 21 Construction Suppliers or Venor List *(01 42)*

Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE	Construction Suppliers or Venor List Note: For specification publishing. Review specifications for requirements.	0.00

01 45 Quality Control *(01 40)*

Note: Refer to section specifications for testing included with other sections.

01 45 23 Testing and Inspecting Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests. Includes acquisition and maintenance of sample (for laboratory tests) to include shipping as required, applicable equipment for field tests, and appropriate test reports.

01 45 23 00-0001 Soils/Aggregate Testing *(01 45 23)*

01 45 23 00-0002 Field Soils Tests *(01 45 23 00-0001)*

01 45 23 00-0003	EA	Plasticity Index Soils Test, ASTM D-4318, Field Soils Test	353.86
01 45 23 00-0004	EA	4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	502.26
01 45 23 00-0005	EA	6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test	570.75
01 45 23 00-0006	EA	Resistance (R) Value Soils Test, CA 301, Field Soils Test	456.60
01 45 23 00-0007	EA	Soils Classification Test, ASTM D-2487, Field Soils Test	684.90
01 45 23 00-0008	SET	Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test	1,369.34
01 45 23 00-0009	EA	Moisture Content, Field Soils Test	51.35
01 45 23 00-0010	EA	UBC Or Swell Test, Field Soils Test	136.98
01 45 23 00-0011	EA	Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test	342.33
01 45 23 00-0012	EA	Proctor Compaction 6" Standard Mold, Field Soils Test	427.92
01 45 23 00-0013	EA	Density And Classification Test, Field Soils Test	104.27
01 45 23 00-0014	EA	Percolation Test, Field Soils Test	260.67
01 45 23 00-0015	EA	Infiltration Test, Field Soils Test	521.35

01 45 23 00-0016 Aggregate Testing *(01 45 23 00-0001)*

01 45 23 00-0017	EA	Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202	114.15
01 45 23 00-0018	EA	Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202	205.47
01 45 23 00-0019	EA	Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202	285.38
01 45 23 00-0020	EA	Sieve Analysis, Pit Run, ASTM C136 Note: Includes wash.	169.44
01 45 23 00-0021	EA	Specific Special Gravity, Course, ASTM C127 Note: Includes absorption test.	181.37
01 45 23 00-0022	EA	Special Gravity, Fine, ASTM C127 Note: Includes absorption test.	162.61
01 45 23 00-0023	EA	Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	241.83
01 45 23 00-0024	EA	Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128	228.30
01 45 23 00-0025	EA	Aggregate Cleanness Value, ASTM C-128, CA 227	228.30
01 45 23 00-0026	EA	Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217	171.22
01 45 23 00-0027	EA	Fine Aggregate Durability Index, CA 229	182.64
01 45 23 00-0028	EA	Sodium And Magnesium Soundness, ASTM C88	479.27
01 45 23 00-0029	EA	Los Angeles Rattler, ASTM C-131, CA 211	365.28
01 45 23 00-0030	EA	Los Angeles Rattler, ASTM C-535	365.28
01 45 23 00-0031	EA	Unit Weight Of Aggregates, ASTM C29	102.74
01 45 23 00-0032	EA	Organic Impurities In Sand, ASTM C40	102.70
01 45 23 00-0033	EA	Crushed Particle, ASTM California Test Method	102.70
01 45 23 00-0034	EA	Clay Lump And Friable Particles, ASTM C142	205.40

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0035		**Permeability Tests** *(01 45 23 00-0001)*		
01 45 23 00-0036		**In-Place Tests** *(01 45 23 00-0035)*		
01 45 23 00-0037	EA	Double Ring Infiltrometer Test, ASTM D3385	1,813.72	
01 45 23 00-0038	EA	Unconfined Compressive Strength (Pocket Penetrometer) Test	85.58	
01 45 23 00-0039		**Lab Tests** *(01 45 23 00-0035)*		
01 45 23 00-0040	EA	Falling Head Rigid Wall Consolidometer Technique CAE	846.40	
01 45 23 00-0041	EA	Falling Head Permeability Test EPA-9100	846.40	
01 45 23 00-0042	EA	Constant Head Permeability Test For Granular Soils, ASTM D2432	483.66	
01 45 23 00-0043		**Concrete/Cement/Asphalt Testing** *(01 45 23)*		
01 45 23 00-0044		**Concrete Testing** *(01 45 23 00-0043)*		
01 45 23 00-0045	EA	Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	26.29	
01 45 23 00-0046	EA	6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	72.55	
01 45 23 00-0047	EA	Concrete Cores Compression Test, ASTM C-42	148.40	
01 45 23 00-0048	EA	6 x 6 x 18 Concrete Flexural Test, ASTM C-78	216.88	
01 45 23 00-0049	EA	Unit Weight Of Concrete Cylinder, ASTM C-567	79.90	
01 45 23 00-0050	EA	Concrete Mix Design Review	433.77	
01 45 23 00-0051	EA	Trial Concrete Batch Prepared In Laboratory	1,027.35	
01 45 23 00-0052	EA	Concrete Shrinkage, ASTM C-157 Modified	799.05	
01 45 23 00-0053	EA	6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	123.28	
01 45 23 00-0054	EA	Concrete Slump Test, ASTM C143	57.08	
01 45 23 00-0055	EA	Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	57.08	
01 45 23 00-0056		**Cement Testing** *(01 45 23 00-0043)*		
01 45 23 00-0057	EA	CCR Title 24, Cement Grab Sample Note: Includes sealing and storing 1 year.	57.08	
01 45 23 00-0058	EA	2" x 2" x 2" Cube Compression Test, All Type Materials	91.32	
01 45 23 00-0059		**Asphaltic Concrete Testing** *(01 45 23 00-0043)*		
01 45 23 00-0060	EA	Hveem Asphaltic Concrete Stability Test, CA 366	114.15	
01 45 23 00-0061	EA	Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927	296.79	
01 45 23 00-0062	EA	Stability Tests, Premixed, ASTM D1559	114.15	
01 45 23 00-0063	EA	Stability Tests, Lab. Mixed, ASTM D1559	296.79	
01 45 23 00-0064	EA	Swell Test, CA 305 Note: Includes compaction.	136.98	
01 45 23 00-0065	EA	% Asphalt Extraction Test, ASTM D-2172 B	342.45	
01 45 23 00-0066	EA	Gradation On Extracted Sample, ASTM D-5444	228.30	
01 45 23 00-0067	EA	Maximum Theoretical Unit Weight, ASTM C2041	217.65	
01 45 23 00-0068	EA	Unit Weight Sample Requiring Compaction, California Test Method 308	45.66	
01 45 23 00-0069	EA	Asphalt Unit Weight On Core Test, CA 308C	45.66	
01 45 23 00-0070	HR	Nuclear Field Density Testing, 4 Hour Minimum	235.15	
01 45 23 00-0071	EA	Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664	117.30	
01 45 23 00-0072	EA	Penetration, ASTM D5	164.90	
01 45 23 00-0073		**Masonry/Concrete Block/Tile Testing** *(01 45 23)*		
01 45 23 00-0074		**Masonry Testing** *(01 45 23 00-0073)*		
01 45 23 00-0075	EA	2" x 4" Cylinder Mortar Compression Test	75.34	
01 45 23 00-0076	EA	4" x 4" x 8" Grout Prisms Compression Test	75.34	
01 45 23 00-0077	EA	Masonry Cores Compression Test	148.40	
01 45 23 00-0078	EA	Composite Grouted Prism Compression Test	285.38	
01 45 23 00-0079		**Concrete Block Testing (ASTM C140 Or CMA Per Specimen)** *(01 45 23 00-0073)*		
01 45 23 00-0080	EA	Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140	182.64	
01 45 23 00-0081	EA	Absorption Test, Moisture Content And Unit Weight	125.56	
01 45 23 00-0082	EA	First Unit, Moisture Condition By Relative Humidity, ASTM C427	479.27	
01 45 23 00-0083	EA	Moisture Condition By Relative Humidity, ASTM C427, Additional Unit	239.63	
01 45 23 00-0084		**Metals Testing** *(01 45 23)*		
01 45 23 00-0085		**Tank Tightness Testing** *(01 45 23 00-0084)*		
01 45 23 00-0086	GAL	Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	8.61	
01 45 23 00-0087	GAL	>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks	7.38	
01 45 23 00-0088	EA	Up To 12,000 Gallons, Tank Volumetric Tightness Testing	2,213.63	
01 45 23 00-0089	EA	>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing	2,704.68	
01 45 23 00-0090	EA	>29,999 Gallons, Tank Volumetric Tightness Testing	3,444.53	
01 45 23 00-0091		**Tank Line Tightness Testing** *(01 45 23 00-0084)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0092	EA	Up To 12,000 Gallons, Tank Line Volumetric Tightness Testing	467.09	
01 45 23 00-0093	EA	>12,000 To 29,999 Gallons, Tank Line Volumetric Tightness Testing	518.65	
01 45 23 00-0094	EA	>29,999 Gallons, Tank Line Volumetric Tightness Testing	570.04	

01 45 23 00-0095 Other Testing *(01 45 23)*

01 45 23 00-0096 Special Testing *(01 45 23 00-0095)*

01 45 23 00-0097	EA	Asphalt Roofing Cutout Samples, To Determine Unit Weight	171.17	
01 45 23 00-0098	EA	Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617	1,027.00	
01 45 23 00-0099	EA	Total Coliform Bacteria And E. Coli Bacteria Test	53.35	
01 45 23 00-0100	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample	221.30	
01 45 23 00-0101	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample	221.30	
01 45 23 00-0102	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample	221.30	
01 45 23 00-0103	EA	Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample	1,217.15	
01 45 23 00-0104	EA	Testing And Certification Of Backflow Valves	568.94	

01 45 23 00-0105 Non-destructive Field Testing Services *(01 45 23 00-0095)*

01 45 23 00-0106 Infrared Thermography *(01 45 23 00-0105)*

Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.

01 45 23 00-0107 Roof Investigation And Moisture Survey Using Infrared Thermography *(01 45 23 00-0106)*

Note: For on the roof surveys.

01 45 23 00-0108	EA	Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge	3,983.40	
01 45 23 00-0109	CSF	Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	6.64	
		For CADD Drawings, Add	*1.33*	
01 45 23 00-0110	CSF	>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	4.43	
		For CADD Drawings, Add	*0.89*	
01 45 23 00-0111	CSF	>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	3.32	
		For CADD Drawings, Add	*0.66*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.83*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.83*	
01 45 23 00-0112	CSF	>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography	2.21	
		For CADD Drawings, Add	*0.44*	
		For Elevated Infrared Thermography Roof Investigation, Add	*0.55*	
		For Aerial Infrared Thermography Roof Investigation, Add	*0.55*	

01 45 23 00-0113 Building Moisture Investigation Using Infrared Thermography *(01 45 23 00-0106)*

Note: For finding moisture in walls and windows.

01 45 23 00-0114	EA	Building Moisture Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0115	CSF	Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0116	CSF	>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0117	CSF	>5,000 SF, Building Moisture Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	

01 45 23 00-0118 General Building Investigation Using Infrared Thermography *(01 45 23 00-0106)*

Note: For finding missing or misplaced insulation, air leakage and delamination.

01 45 23 00-0119	EA	General Building Investigation Using Infrared Thermography, Mobilization Charge	4,315.35	
01 45 23 00-0120	CSF	Up To 1,000 SF, General Building Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*3.32*	
01 45 23 00-0121	CSF	>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*2.22*	
01 45 23 00-0122	CSF	>5,000 SF, General Building Investigation Using Infrared Thermography	2.21	
		For Digital Or Analog Recording Of All Items, Add	*1.11*	

01 45 23 00-0123 Electrical /Mechanical Equipment Scanning Using Infrared Thermography *(01 45 23 00-0106)*

Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.

01 45 23 00-0124	EA	Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0125	HR	Electrical /Mechanical Equipment Scanning Using Infrared Thermography	181.65	
		For Digital Or Analog Recording Of All Items, Add	*27.18*	

01 45 23 00-0126 Concrete Block Wall Investigation Using Infrared Thermography *(01 45 23 00-0106)*

Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.

01 45 23 00-0127	EA	Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge	2,102.35	
01 45 23 00-0128	CSF	Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	6.64	
		For Digital Or Analog Recording Of All Items, Add	*1.00*	
01 45 23 00-0129	CSF	>50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography	4.43	
		For Digital Or Analog Recording Of All Items, Add	*0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0130		**Other Non-destructive Field Testing Services** *(01 45 23 00-0105)*		
01 45 23 00-0131	HR	ASNT Certified Level I NDT Consultant	68.30	
01 45 23 00-0132	HR	ASNT Certified Level II NDT Consultant	74.02	
01 45 23 00-0133	HR	ASNT Certified Level III NDT Consultant	89.18	
01 45 23 00-0134	HR	Certified Industrial Radiography Radiation Safety Personnel	98.62	
01 45 23 00-0135		**Concrete Slab Moisture Testing** *(01 45 23 00-0095)*		
01 45 23 00-0136	EA	Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete	162.73	

01 45 29 Testing Laboratory Services *(01 45)*

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

01 45 29 00-0001		**Soil Borings Laboratory Tests** *(01 45 29)*		
01 45 29 00-0002	EA	Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test	157.19	
01 45 29 00-0003	EA	Shrinkage Limit, Soil Borings Laboratory Test	50.15	
01 45 29 00-0004	EA	Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test	120.92	
01 45 29 00-0005	EA	Consolidation, Soil Borings Laboratory Test	846.40	
01 45 29 00-0006	EA	Swell Test, Soil Borings Laboratory Test	132.70	
01 45 29 00-0007	EA	In Place Density, Soil Borings Laboratory Test	36.27	
01 45 29 00-0008	EA	Moisture Content, ASTM D2216, Soil Borings Laboratory Test	22.53	
01 45 29 00-0009	EA	Hydrometer Analysis, Soil Borings Laboratory Test	290.95	
01 45 29 00-0010	EA	Specific Gravity, ASTM D854, Soil Borings Laboratory Test	101.43	
01 45 29 00-0011	EA	Partial Sieve Analysis, Soil Borings Laboratory Test	20.06	
01 45 29 00-0012	EA	Laboratory Permeability, Soil Borings Laboratory Test	1,002.97	
01 45 29 00-0013	EA	Sieve Analysis, ASTM D422, Soil Borings Laboratory Test	202.87	
01 45 29 00-0014	EA	Sulfate Soundness, Soil Borings Laboratory Test	250.74	
01 45 29 00-0015	EA	Los Angeles Abrasion, Soil Borings Laboratory Test	464.14	
01 45 29 00-0016	EA	Soil Bearing Ratio, ASTM D1883	513.68	
01 45 29 00-0017	EA	Compaction Test Subgrade, Soil Borings Laboratory Test	150.45	
01 45 29 00-0018	EA	Compaction Test Base Course, Soil Borings Laboratory Test	167.16	
01 45 29 00-0019	EA	In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test	358.78	
01 45 29 00-0020	EA	Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test	76.89	

01 50 Temporary Facilities and Controls *(01)*

Note: Tasks in this section shall be used as directed by owner.

01 51 Temporary Utilities *(01 50)*

01 51 13 Temporary Electricity *(01 51)*

01 51 13 00-0001		**Temporary Service Switch And/or Building Feeder Switch** *(01 51 13)*		
		Note: Includes all connections and removal after use.		
01 51 13 00-0002	EA	Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	1,403.14	
01 51 13 00-0003	EA	Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses	2,163.86	
01 51 13 00-0004	EA	Temporary 400 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	4,015.42	
01 51 13 00-0005	EA	Temporary 600 Amperes, 240 Volt, NEMA 3R, Disconnect Switch With Fuses	6,739.56	
01 51 13 00-0006		**Temporary 120/208 Volt Main Lug Panelboard Complete With Branch Fuses** *(01 51 13)*		
		Note: Includes mounting on wall and removal after use.		
01 51 13 00-0007	EA	Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers	1,509.55	
01 51 13 00-0008	EA	Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers	2,056.98	
01 51 13 00-0009	EA	Temporary 400 Amperes, Panelboard Complete With GFCI Circuit Breakers	3,232.15	
01 51 13 00-0010	EA	Temporary 600 Amperes, Panelboard Complete With GFCI Circuit Breakers	4,516.57	
01 51 13 00-0011		**Temporary Conduit And Cable For Temporary Disconnect (Safety) Switches And Temporary Panelboards** *(01 51 13)*		
		Note: Includes all connections, fittings, supports and removal after use.		
01 51 13 00-0012	LF	Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards	12.18	
01 51 13 00-0013	LF	Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards	13.35	

01 51 26 Temporary Lighting *(01 51)*

01 51 26 00-0001		**Temporary Lighting Devices** *(01 51 26)*		
		Note: Includes removal after use.		
01 51 26 00-0002	EA	Temporary Exit Light	257.03	
01 51 26 00-0003	EA	Temporary 10 Light String With Cages	91.87	
01 51 26 00-0004	EA	Temporary High Bay Light	343.73	

01 52 Construction Facilities *(01 50)*

Note: Tasks in this section shall be used as directed by owner for owner's use. See CSI section 13 34 23 13-0030 for anchors for holding down portable buildings and structures where required.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 52 13 Field Offices and Sheds *(01 52)*

01 52 13 00-0001 Field Offices and Office Trailers *(01 52 13)*

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

01 52 13 00-0002	MO	8' x 24' Mobile Office, With Toilet	252.05	
		For Each Delivery And Removal, Two Round Trips, Add	*1,524.98*	
		For Each Set-Up (Block And Level), Add	*832.88*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*772.38*	
		For Office Trailer Without Toilet, Deduct	*-50.41*	
01 52 13 00-0003	MO	8' x 32' Mobile Office, With Toilet	285.65	
		For Each Delivery And Removal, Two Round Trips, Add	*1,524.98*	
		For Each Set-Up (Block And Level), Add	*832.88*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*772.38*	
		For Office Trailer Without Toilet, Deduct	*-57.13*	
01 52 13 00-0004	MO	10' x 36' Mobile Office, With Toilet	386.47	
		For Each Delivery And Removal, Two Round Trips, Add	*3,049.98*	
		For Each Set-Up (Block And Level), Add	*1,308.11*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
		For Office Trailer Without Toilet, Deduct	*-77.29*	
01 52 13 00-0005	MO	10' x 40' Mobile Office, With Toilet	411.68	
		For Each Delivery And Removal, Two Round Trips, Add	*3,049.98*	
		For Each Set-Up (Block And Level), Add	*1,308.11*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
		For Office Trailer Without Toilet, Deduct	*-82.34*	
01 52 13 00-0006	MO	10' x 44' Mobile Office, With Toilet	453.69	
		For Each Delivery And Removal, Two Round Trips, Add	*3,049.98*	
		For Each Set-Up (Block And Level), Add	*1,308.11*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
01 52 13 00-0007	MO	10' x 50' Mobile Office, With Toilet	478.89	
		For Each Delivery And Removal, Two Round Trips, Add	*3,049.98*	
		For Each Set-Up (Block And Level), Add	*1,308.11*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
01 52 13 00-0008	MO	12' x 32' Mobile Office, With Toilet	389.04	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
		For Each Delivery And Removal, Two Round Trips, Add	*754.83*	
		For Each Set-Up (Block And Level), Add	*587.88*	
01 52 13 00-0009	MO	12' x 44' Mobile Office, With Toilet	520.13	
		For Each Delivery And Removal, Two Round Trips, Add	*3,049.98*	
		For Each Set-Up (Block And Level), Add	*1,308.11*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
01 52 13 00-0010	MO	12' x 50' Mobile Office, With Toilet	619.20	
		For Each Delivery And Removal, Two Round Trips, Add	*3,049.98*	
		For Each Set-Up (Block And Level), Add	*1,308.11*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
01 52 13 00-0011	MO	12' x 60' Mobile Office, With Toilet	856.12	
		For Each Delivery And Removal, Two Round Trips, Add	*3,049.98*	
		For Each Set-Up (Block And Level), Add	*1,308.11*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*1,158.30*	
01 52 13 00-0012	MO	24' x 60' Modular Office, With Toilet	1,344.25	
		For Each Delivery And Removal, Two Round Trips, Add	*4,574.96*	
		For Each Set-Up (Block And Level), Add	*2,334.05*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*2,317.15*	
01 52 13 00-0013	MO	24' x 72' Modular Office, With Toilet	1,613.09	
		For Each Delivery And Removal, Two Round Trips, Add	*4,574.96*	
		For Each Set-Up (Block And Level), Add	*2,334.05*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*2,317.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0014	MO	30' x 30' Modular Office, With Toilet	843.31	
		For Each Delivery And Removal, Two Round Trips, Add	*4,574.96*	
		For Each Set-Up (Block And Level), Add	*2,334.05*	
		For Each Anchoring Into Dirt, Add Per Each Anchor	*232.77*	
		For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	*325.02*	
		For Knockdown, Add	*2,317.15*	

01 52 13 00-0015 Accessories For Field Office Trailers *(01 52 13)*

Note: Costs includes installation or placement in trailer.

01 52 13 00-0016	MO	Desk For Field Office Trailer	41.23	
01 52 13 00-0017	MO	Rolling Desk Chair For Field Office Trailer	25.77	
01 52 13 00-0018	MO	File Cabinet For Field Office Trailer	30.92	
01 52 13 00-0019	MO	Table For Field Office Trailer	20.61	
01 52 13 00-0020	MO	Folding Chair For Field Office Trailer	9.76	
01 52 13 00-0021	EA	Phone Hook-Up For Field Office Trailer	113.37	
01 52 13 00-0022	MO	Local Hardwired Phone or Data Service Per Phone Line For Field Office Trailer	82.45	
01 52 13 00-0023	MO	Security System With Monitoring For Field Office Trailer	129.90	
01 52 13 00-0024	LF	Perimeter Trailer Vinyl Skirting For Field Office Trailer	16.35	
01 52 13 00-0025	LF	Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer	38.73	
01 52 13 00-0026	MO	Steps For Field Office Trailer	71.79	
01 52 13 00-0027	MO	Steps With Canopy For Field Office Trailer	119.74	
01 52 13 00-0028	MO	Fax Machine For Field Office Trailer	44.17	
01 52 13 00-0029	MO	Copier For Field Office Trailer	82.45	

01 52 13 00-0030 Storage Containers *(01 52 13)*

01 52 13 00-0031	MO	8' x 8' x 10' Storage Container	140.03	
		For Each Delivery And Removal, Two Round Trips, Add	*116.51*	
		For >12 Months, Deduct	*-31.51*	
01 52 13 00-0032	MO	8' x 8' x 20' Storage Container	146.40	
		For Each Delivery And Removal, Two Round Trips, Add	*128.16*	
		For >12 Months, Deduct	*-32.94*	
01 52 13 00-0033	MO	8' x 8' x 40' Storage Container	173.13	
		For Each Delivery And Removal, Two Round Trips, Add	*258.11*	
		For >12 Months, Deduct	*-38.95*	

01 52 19 Sanitary Facilities *(01 52)*

01 52 19 00-0001 Portable Toilets *(01 52 19)*

Note: Includes servicing once per week (unless task states otherwise).

01 52 19 00-0002	WK	Portable Chemical Toilet	68.26	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*25.81*	
01 52 19 00-0003	MO	Portable Chemical Toilet	204.76	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*25.81*	
01 52 19 00-0004	WK	Americans With Disabilities Act Compliant Portable Chemical Toilet	81.41	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*25.81*	
01 52 19 00-0005	MO	Americans With Disabilities Act Compliant Portable Chemical Toilet	238.89	
		For Each Additional Servicing Per Unit Per Week, Add	*25.00*	
		For Each Delivery And Set-up, Add	*25.81*	
01 52 19 00-0006	WK	Two Station Portable Handwash	56.43	
		For Each Delivery And Set-up, Add	*25.81*	
01 52 19 00-0007	MO	Two Station Portable Handwash	171.18	
		For Each Delivery And Set-up, Add	*25.81*	
01 52 19 00-0008	MO	6 Station, Portable Toilets, Multi Trailer	6,253.92	
		Note: Includes women's room (3 toilets, 2 sinks) and men's room (1 toilet, 1 urinal and 1 sink). Excludes servicing.		
		For Each Delivery, Set-up And Removal, Two Round Trips, Add	*1,222.79*	
01 52 19 00-0009	WK	Service 6 Station Trailer Restrooms, 3 Times Per Week	2,105.24	
		For One Additional Service Per Week, Add	*701.74*	
		Note: For one less service per week, UOM to be negative one (-1)		

01 53 Temporary Construction *(01 50)*

01 53 16 Temporary Decking *(01 53)*

01 53 16 00-0001 Temporary Walkways And Railings *(01 53 16)*

Note: Includes removal after use.

01 53 16 00-0002	SF	Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers	8.45	
01 53 16 00-0003	LF	Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail	37.78	
01 53 16 00-0004	LF	Temporary Wood Guardrail Base, 12" x 12" Timber Beam	15.75	
01 53 16 00-0005	RSR	Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers	28.61	

01 53 23 Temporary Ramps *(01 53)*

01 53 23 00-0001 Temporary Plywood For Wheel Barrow Access *(01 53 23)*

Note: Includes removal after use.

01 53 23 00-0002	SF	Temporary Plywood For Wheel Barrow Access	1.78	0.57

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 54 Construction Aids *(01 50)*

01 54 09 Personnel Protection Equipment *(01 54)*

01 54 09 00-0001 Personnel Protection Equipment *(01 54 09)*

Note: Personnel Protection Equipment (PPE) for workers safety is considered as part of the Contractor's and Workers responisbility. Includes, but are not limited to; protective work gloves, hearing protection, protective clothing, reflective vests, safety glasses or face shields, dust masks, hard hats, appropriate foot protection (slip resistant, puncture-resistant soles, safety-toed), safety harnesses with lifeline, etc. Review JOC Note and specifications for requirements.

01 54 09 00-0002	NTE	Personnel Protection Equipment Note: For specification publishing. Review specifications for requirements.		0.00	

01 54 23 Temporary Scaffolding and Platforms *(01 54)*

01 54 23 00-0001 Scaffolding *(01 54 23)*

Note: Additional scaffolding rental for work above the normal working height.

01 54 23 00-0002 Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.

01 54 23 00-0003	CCF	Scaffolding With Bracing Accessories, Area Based On 5' Wide Sections, Per CCF / Month		44.13	
		For Up To 25, Add		*17.65*	
		For >25 To 50, Add		*11.03*	
		For >50 To 150, Add		*4.41*	
01 54 23 00-0004	CCF	Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month		49.62	
		For Up To 25, Add		*19.85*	
		For >25 To 50, Add		*12.41*	
		For >50 To 150, Add		*4.96*	
01 54 23 00-0005	CCF	Scaffolding With Bracing Accessories, Area Based On 3' Wide Sections, Per CCF / Month		66.19	
		For Up To 25, Add		*26.48*	
		For >25 To 50, Add		*16.55*	
		For >50 To 150, Add		*6.62*	

01 54 23 00-0006 Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.

01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		51.49	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		67.52	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		90.10	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		99.12	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories		114.13	
01 54 23 00-0012	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling Set Up On Stairs, Per CCF Of Scaffolding And Accessories		72.09	

01 54 23 00-0013 Heavy-Duty Masonry Scaffolding Rental - Rental Only *(01 54 23 00-0001)*

Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0014	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 4' Wide Sections, Per CCF / Month		70.43	
01 54 23 00-0015	CCF	Heavy-Duty Masonry Scaffolding With Bracing Accessories, Area Based On 2' Wide Sections, Per CCF / Month		129.12	
01 54 23 00-0016	LF	Aluminum Joists, Per LF / Month		11.45	
01 54 23 00-0017	LF	Aluminum Joists, Per LF / Month		16.42	
01 54 23 00-0018	EA	Screw Jack With U-Plate For Stringers, Per EA / Month		20.69	

01 54 23 00-0019 Heavy-Duty Masonry Scaffolding Erection And Dismantling - Labor Only *(01 54 23 00-0001)*

Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0013 for scaffolding rental.

01 54 23 00-0020	CCF	Up To 20' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.		96.11	
01 54 23 00-0021	CCF	>20' To 40' Height Heavy-Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.		120.14	
01 54 23 00-0022	CCF	>40' To 60' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.		144.17	
01 54 23 00-0023	CCF	>60' To 80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.		156.18	
01 54 23 00-0024	CCF	>80' Height Heavy-Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories.		174.21	

01 54 23 00-0025 Scaffolding Accessories *(01 54 23 00-0001)*

See CSI section 01 54 23 00-0019 for erection.

01 54 23 00-0026	CSF	Netting for Exterior Building Scaffolding Note: Includes removal after use.		43.40	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0027		**Rolling Scaffolding** *(01 54 23)* Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.		
01 54 23 00-0028	DAY	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	14.28	
01 54 23 00-0029	WK	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	57.23	
01 54 23 00-0030	MO	>14' To 20' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	228.90	
01 54 23 00-0031	DAY	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	23.91	
01 54 23 00-0032	WK	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	95.76	
01 54 23 00-0033	MO	>20' To 40' Height, 5' Wide X 7' Long Section, Rolling Scaffolding, Complete With Wheels, Railings, etc.	383.07	
01 54 23 00-0034	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	115.40	
01 54 23 00-0035	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	144.25	
01 54 23 00-0036		**Shoring Posts** *(01 54 23)*		
01 54 23 00-0037	DAY	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	2.15	
01 54 23 00-0038	WK	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	8.60	
01 54 23 00-0039	MO	6'-6" To 11' Extension, 5,000 Lb. Capacity, Steel Shoring Post	25.81	
01 54 23 00-0040	EA	Initial Erection And Final Dismantling For Each Shoring Post	9.24	
		For >20 To 50, Deduct	*-1.39*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-5.08*	
01 54 23 00-0041		**Temporary Lumber, Single Use** *(01 54 23)* Note: Includes removal after use.		
01 54 23 00-0042	SF	5/16" CD Grade Plywood, Temporary Lumber	2.77	
01 54 23 00-0043	SF	1/2" CD Grade Plywood, Temporary Lumber	3.14	
01 54 23 00-0044	SF	5/8" CD Grade Plywood, Temporary Lumber	3.44	
01 54 23 00-0045	SF	3/4" CD Grade Plywood, Temporary Lumber	3.77	
01 54 23 00-0046	SF	1" CD Grade Plywood, Temporary Lumber	5.46	
01 54 23 00-0047	LF	2" x 4" Temporary Lumber	3.59	
01 54 23 00-0048	LF	2" x 6" Temporary Lumber	4.54	
01 54 23 00-0049	LF	2" x 8" Temporary Lumber	5.49	
01 54 23 00-0050	LF	2" x 10" Temporary Lumber	6.44	
01 54 23 00-0051	LF	2" x 12" Temporary Lumber	7.39	
01 54 23 00-0052	LF	3" x 8" Temporary Lumber	7.39	
01 54 23 00-0053	LF	3" x 10" Temporary Lumber	8.81	
01 54 23 00-0054	LF	3" x 12" Temporary Lumber	10.25	
01 54 23 00-0055	LF	4" x 4" Temporary Lumber	4.82	
01 54 23 00-0056	LF	4" x 6" Temporary Lumber	6.90	
01 54 23 00-0057	LF	6" x 6" Temporary Lumber	8.99	
01 54 23 00-0058	LF	6" x 8" Temporary Lumber	11.66	
01 54 23 00-0059	LF	12" x 12" Temporary Lumber	28.39	
01 54 23 00-0060		**Temporary Precast Concrete Blocks** *(01 54 23)* Note: Includes removal after use.		
01 54 23 00-0061	EA	2' x 2' x 2' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	128.39	
01 54 23 00-0062	EA	2' x 2' x 4' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	160.48	
01 54 23 00-0063	EA	2' x 2' x 8' Temporary Precast Concrete (Ecology) Block Note: Includes removal after use.	211.02	
01 54 26		**Temporary Swing Staging** *(01 54)* Note: Up to one month rental. Includes connection to existing electrical outlet on roof, all necessary safety equipment for personnel and anchoring to existing roof anchors. Excludes installing roof anchors.		
01 54 26 00-0001		**Swing Stage** *(01 54 26)* Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO	7' Swing Stage, Electric Operated	3,095.78	
01 54 26 00-0003	MO	10' Swing Stage, Electric Operated	3,250.57	
01 54 26 00-0004	MO	14' Swing Stage, Electric Operated	3,405.36	
01 54 26 00-0005	MO	20' Swing Stage, Electric Operated	3,560.15	
01 54 26 00-0006	MO	24' Swing Stage, Electric Operated	3,714.94	
01 54 26 00-0007	MO	30' Swing Stage, Electric Operated	3,869.73	
01 54 26 00-0008	MO	42' Swing Stage, Electric Operated	4,024.52	
01 54 26 00-0009	MO	12' Swing Stage, Manually Operated	892.71	
01 54 26 00-0010	MO	24' Swing Stage, Manually Operated	1,115.89	
01 54 26 00-0011	EA	Swing Stage Platform From Hooks, Erection And Dismantling Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.	4,919.49	
01 54 26 00-0012	EA	Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.	6,836.47	
01 54 26 00-0013	EA	Move Swing Stage Platform From Hooks To Different Location At Same Roof	2,586.78	
01 54 26 00-0014	EA	Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof	3,603.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 55 Vehicular Access and Parking *(01 50)*

01 55 23 Temporary Roads *(01 55)*

01 55 23 00-0001 Temporary Stabilized Construction Entrance *(01 55 23)*

Note: As per Caltrans detail.

01 55 23 00-0002	SF	3" To 4" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	3.23	
01 55 23 00-0003	SF	>4" To 6" Rock Temporary Stabilized Construction Entrance Assembly Note: Includes up to 12" excavation of pit, hauling and disposal of soil, filter fabric at base and sides, filled with rock, and compaction.	4.18	

01 55 23 00-0004 Rumble Trench Plate *(01 55 23)*

01 55 23 00-0005	MO	8' x 10' Steel Rumble Trench Plate Rental	413.50	
01 55 23 00-0006	EA	Placement And Removal Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	101.33	
01 55 23 00-0007	EA	Relocate And Adjust Location Of Rumble Plate Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	25.33	

01 55 23 00-0008 Temporary Road Ramps (Godwin) *(01 55 23)*

Note: Excludes asphalt and gravel.

01 55 23 00-0009	EA	4" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	5,077.92	228.73
01 55 23 00-0010	EA	6" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	6,913.77	343.09
01 55 23 00-0011	EA	8" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	9,553.18	457.45
01 55 23 00-0012	EA	12" Diameter Pipeline, 12' Passable Vehicle Width, Temporary Road Ramp (Godwin)	19,826.40	571.81
01 55 23 00-0013	EA	24" Diameter Pipeline, 15' Passable Vehicle Width, Temporary Road Ramp (Godwin)	29,095.17	686.18

01 55 26 Traffic Control *(01 55)*

01 55 26 00-0001 Temporary Removable Preformed Traffic Black Line Mask *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0002	LF	6" Removable Traffic Black Line Mask	5.39
01 55 26 00-0003	LF	8" Removable Traffic Black Line Mask	6.51

01 55 26 00-0004 Temporary Preformed Traffic Line Tape *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0005	LF	4" Reflective Removable Traffic Line Tape	5.45
01 55 26 00-0006	LF	6" Reflective Removable Traffic Line Tape	7.43
01 55 26 00-0007	LF	8" Reflective Removable Traffic Line Tape	9.33

01 55 26 00-0008 Temporary Painted Traffic Lines *(01 55 26)*

Note: Includes installation and removal after use.

01 55 26 00-0009	LF	4" Temporary Painted Traffic Lines Note: Includes removal after use	2.42
		For Not Removed, Deduct	*-1.70*
01 55 26 00-0010	LF	6" Temporary Painted Traffic Lines Note: Includes removal after use	3.20
		For Not Removed, Deduct	*-2.32*
01 55 26 00-0011	LF	8" Temporary Painted Traffic Lines Note: Includes removal after use	4.02
		For Not Removed, Deduct	*-2.97*
01 55 26 00-0012	EA	2" High x 2" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.15
01 55 26 00-0013	EA	2" High x 4" Wide Temporary Overlay Pavement Markers, "L" With Factory-Applied Adhesive Pad	3.18

01 55 26 00-0014 Temporary Pedestrian Traffic Control *(01 55 26)*

01 55 26 00-0015	CLF	1", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	11.21
01 55 26 00-0016	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Orange	14.71
01 55 26 00-0017	CLF	3/4", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	8.70
01 55 26 00-0018	CLF	2", 4 Mil Polyethylene Printed Barricade Tape, Fluorescent Yellow	10.70
01 55 26 00-0019	CLF	3", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	11.68
01 55 26 00-0020	CLF	6", 4 Mil Polyethylene Printed Barricade Tape, Non-Fluorescent	16.11
01 55 26 00-0021	CLF	1" Exterior Vinyl Warning Tape	13.36
01 55 26 00-0022	CLF	2" Exterior Vinyl Warning Tape	18.80
01 55 26 00-0023	CLF	3" Exterior Vinyl Warning Tape	23.69
01 55 26 00-0024	CLF	4" Exterior Vinyl Warning Tape	27.72

01 55 26 00-0025 Linear Delineation System, Temporary Or Permanent *(01 55 26)*

Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.

01 55 26 00-0026	LF	4" Linear Delineation System	11.69
01 55 26 00-0027	LF	6" Linear Delineation System	15.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0028		**Temporary Traffic Protection** *(01 55 26)*		
01 55 26 00-0029		**Temporary Portable Traffic Control Device Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for delivery, placing and removal.		
01 55 26 00-0030	DAY	28" Cone With Reflective Collar	0.89	
01 55 26 00-0031	WK	28" Cone With Reflective Collar	2.66	
01 55 26 00-0032	MO	28" Cone With Reflective Collar	7.99	
01 55 26 00-0033	DAY	Vertical Panel	2.68	
01 55 26 00-0034	WK	Vertical Panel	8.04	
01 55 26 00-0035	MO	Vertical Panel	24.13	
01 55 26 00-0036	DAY	Channelizer Drum	2.91	
01 55 26 00-0037	WK	Channelizer Drum	8.73	
01 55 26 00-0038	MO	Channelizer Drum	26.20	
01 55 26 00-0039	DAY	Stackable Channelizer Panel	1.38	
01 55 26 00-0040	WK	Stackable Channelizer Panel	4.13	
01 55 26 00-0041	MO	Stackable Channelizer Panel	12.39	
01 55 26 00-0042	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	1.91	
01 55 26 00-0043	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	5.72	
01 55 26 00-0044	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side	17.16	
01 55 26 00-0045	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	4.23	
01 55 26 00-0046	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	12.68	
01 55 26 00-0047	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side	38.03	
01 55 26 00-0048	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails	4.82	
01 55 26 00-0049	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails	14.45	
01 55 26 00-0050	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails	43.34	
01 55 26 00-0051	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	8.81	
01 55 26 00-0052	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	26.43	
01 55 26 00-0053	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails	79.28	
01 55 26 00-0054	DAY	Up To 10' Wide A Frame Barricade	4.83	
01 55 26 00-0055	WK	Up To 10' Wide A Frame Barricade	14.49	
01 55 26 00-0056	MO	Up To 10' Wide A Frame Barricade	43.48	
01 55 26 00-0057	DAY	Type A Or C Flasher	0.98	
01 55 26 00-0058	WK	Type A Or C Flasher	2.95	
01 55 26 00-0059	MO	Type A Or C Flasher	8.86	
01 55 26 00-0060	DAY	Type B High Intensity Flasher	5.34	
01 55 26 00-0061	WK	Type B High Intensity Flasher	16.02	
01 55 26 00-0062	MO	Type B High Intensity Flasher	48.07	
01 55 26 00-0063		**Temporary Traffic Barriers Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for delivery, placing and removal.		
01 55 26 00-0064	DAY	6' Long Portable Parking Curbs	2.30	
01 55 26 00-0065	WK	6' Long Portable Parking Curbs	6.90	
01 55 26 00-0066	MO	6' Long Portable Parking Curbs	20.71	
01 55 26 00-0067	DAY	6' Long Portable Speed Bumps	6.81	
01 55 26 00-0068	WK	6' Long Portable Speed Bumps	20.42	
01 55 26 00-0069	MO	6' Long Portable Speed Bumps	61.28	
01 55 26 00-0070	DAY	8' To 12.5' Concrete Traffic Barrier	16.36	
01 55 26 00-0071	WK	8' To 12.5' Concrete Traffic Barrier	49.07	
01 55 26 00-0072	MO	8' To 12.5' Concrete Traffic Barrier	147.21	
01 55 26 00-0073	DAY	>12.5' To 20' Concrete Traffic Barrier	32.71	
01 55 26 00-0074	WK	>12.5' To 20' Concrete Traffic Barrier	98.14	
01 55 26 00-0075	MO	>12.5' To 20' Concrete Traffic Barrier	294.42	
01 55 26 00-0076	DAY	6' x 32" Tall Plastic Water Barrier	19.53	
01 55 26 00-0077	WK	6' x 32" Tall Plastic Water Barrier	58.60	
01 55 26 00-0078	MO	6' x 32" Tall Plastic Water Barrier	175.80	
01 55 26 00-0079	DAY	6' x 46" Tall Plastic Water Barrier	27.89	
01 55 26 00-0080	WK	6' x 46" Tall Plastic Water Barrier	83.67	
01 55 26 00-0081	MO	6' x 46" Tall Plastic Water Barrier	251.02	
01 55 26 00-0082	DAY	Sand Filled Crash Attenuator Barrels	10.92	
01 55 26 00-0083	WK	Sand Filled Crash Attenuator Barrels	32.75	
01 55 26 00-0084	MO	Sand Filled Crash Attenuator Barrels	98.25	
01 55 26 00-0085	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system.	1,549.20	
01 55 26 00-0086		**Temporary Portable Signs And Message Displays Usage** *(01 55 26 00-0028)* Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0135 for delivery, placing and removal.		
01 55 26 00-0087	DAY	Mesh Or Vinyl Roll-up Sign With Stand	8.57	
01 55 26 00-0088	WK	Mesh Or Vinyl Roll-up Sign With Stand	25.71	
01 55 26 00-0089	MO	Mesh Or Vinyl Roll-up Sign With Stand	77.14	
01 55 26 00-0090	DAY	18" x 18" Aluminum Construction Sign, With Portable Stand	3.33	
01 55 26 00-0091	WK	18" x 18" Aluminum Construction Sign, With Portable Stand	9.98	
01 55 26 00-0092	MO	18" x 18" Aluminum Construction Sign, With Portable Stand	29.95	
01 55 26 00-0093	DAY	30" x 24" Aluminum Construction Sign, With Portable Stand	4.58	
01 55 26 00-0094	WK	30" x 24" Aluminum Construction Sign, With Portable Stand	13.74	
01 55 26 00-0095	MO	30" x 24" Aluminum Construction Sign, With Portable Stand	41.21	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0096	DAY	30" x 30" Aluminum Construction Sign, With Portable Stand	4.07	
01 55 26 00-0097	WK	30" x 30" Aluminum Construction Sign, With Portable Stand	12.20	
01 55 26 00-0098	MO	30" x 30" Aluminum Construction Sign, With Portable Stand	36.59	
01 55 26 00-0099	DAY	48" x 18" Aluminum Construction Sign, With Portable Stand	5.00	
01 55 26 00-0100	WK	48" x 18" Aluminum Construction Sign, With Portable Stand	14.99	
01 55 26 00-0101	MO	48" x 18" Aluminum Construction Sign, With Portable Stand	44.98	
01 55 26 00-0102	DAY	48" x 24" Aluminum Construction Sign, With Portable Stand	5.84	
01 55 26 00-0103	WK	48" x 24" Aluminum Construction Sign, With Portable Stand	17.51	
01 55 26 00-0104	MO	48" x 24" Aluminum Construction Sign, With Portable Stand	52.53	
01 55 26 00-0105	DAY	48" x 30" Aluminum Construction Sign, With Portable Stand	6.68	
01 55 26 00-0106	WK	48" x 30" Aluminum Construction Sign, With Portable Stand	20.03	
01 55 26 00-0107	MO	48" x 30" Aluminum Construction Sign, With Portable Stand	60.08	
01 55 26 00-0108	DAY	48" x 36" Aluminum Construction Sign, With Portable Stand	7.52	
01 55 26 00-0109	WK	48" x 36" Aluminum Construction Sign, With Portable Stand	22.55	
01 55 26 00-0110	MO	48" x 36" Aluminum Construction Sign, With Portable Stand	67.64	
01 55 26 00-0111	DAY	48" x 48" Aluminum Construction Sign, With Portable Stand	9.19	
01 55 26 00-0112	WK	48" x 48" Aluminum Construction Sign, With Portable Stand	27.58	
01 55 26 00-0113	MO	48" x 48" Aluminum Construction Sign, With Portable Stand	82.74	
01 55 26 00-0114	DAY	60" x 24" Aluminum Construction Sign, With Portable Stand	9.16	
01 55 26 00-0115	WK	60" x 24" Aluminum Construction Sign, With Portable Stand	27.47	
01 55 26 00-0116	MO	60" x 24" Aluminum Construction Sign, With Portable Stand	82.41	
01 55 26 00-0117	DAY	60" x 30" Aluminum Construction Sign, With Portable Stand	10.21	
01 55 26 00-0118	WK	60" x 30" Aluminum Construction Sign, With Portable Stand	30.62	
01 55 26 00-0119	MO	60" x 30" Aluminum Construction Sign, With Portable Stand	91.85	
01 55 26 00-0120	DAY	60" x 36" Aluminum Construction Sign, With Portable Stand	11.25	
01 55 26 00-0121	WK	60" x 36" Aluminum Construction Sign, With Portable Stand	33.76	
01 55 26 00-0122	MO	60" x 36" Aluminum Construction Sign, With Portable Stand	101.29	
01 55 26 00-0123	DAY	Aluminum Sign And Post	4.76	
01 55 26 00-0124	WK	Aluminum Sign And Post	14.28	
01 55 26 00-0125	MO	Aluminum Sign And Post	42.84	
01 55 26 00-0126	DAY	Trailer Mounted Flashing Arrow Board	161.32	
01 55 26 00-0127	WK	Trailer Mounted Flashing Arrow Board	446.52	
01 55 26 00-0128	MO	Trailer Mounted Flashing Arrow Board	1,181.13	
01 55 26 00-0129	DAY	Trailer Mounted Portable Variable Message Sign (PVMS)	290.31	
01 55 26 00-0130	WK	Trailer Mounted Portable Variable Message Sign (PVMS)	774.16	
01 55 26 00-0131	MO	Trailer Mounted Portable Variable Message Sign (PVMS)	1,548.32	
01 55 26 00-0132	DAY	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	1,457.96	
01 55 26 00-0133	WK	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	4,373.88	
01 55 26 00-0134	MO	Two Head, Trailer Mounted Traffic Signal System, Per Set Of Two Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.	13,121.64	

01 55 26 00-0135 Place And Remove Temporary Traffic Protection Using Truck *(01 55 26 00-0028)*

Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0048 for delivery >15 miles.

01 55 26 00-0136	EA	Placement And Removal Of Up To 250 Cones Using Truck	4.00	
01 55 26 00-0137	EA	Placement And Removal Of >250 Cones Using Truck	3.49	
01 55 26 00-0138	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck	6.59	
01 55 26 00-0139	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck	5.49	
01 55 26 00-0140	EA	Placement And Removal Of Up To 250 Barricades Using Truck	9.98	
01 55 26 00-0141	EA	Placement And Removal Of >250 Barricades Using Truck	7.99	
01 55 26 00-0142	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck	9.98	
01 55 26 00-0143	EA	Placement And Removal Of Portable Sign And Stand Using Truck	5.99	
01 55 26 00-0144	EA	Placement And Removal Of Aluminum Sign And Post Using Truck	24.95	
01 55 26 00-0145	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck	74.87	
01 55 26 00-0146	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	101.33	
		For 1 Barrier, Add	*253.33*	
		For 2 Barriers, Add	*91.20*	
		For 3 Barriers, Add	*30.40*	
01 55 26 00-0147	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	152.00	
		For 1 Barrier, Add	*380.00*	
		For 2 Barriers, Add	*136.80*	
		For 3 Barriers, Add	*45.60*	
01 55 26 00-0148	EA	Placement And Removal Of Plastic Water Barrier Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for Equipment Usage, 01 71 13 00-0000 for mobilization tasks.	58.14	
		For 1 Barrier, Add	*126.68*	
		For 2 Barriers, Add	*45.60*	
		For 3 Barriers, Add	*15.20*	
01 55 26 00-0149	EA	Placement And Removal Of Crash Attenuator Barrels Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.	76.00	
		For 1 Barrier, Add	*190.00*	
		For 2 Barriers, Add	*68.40*	
		For 3 Barriers, Add	*22.80*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0150	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER) Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructuions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	557.33	
01 55 26 00-0151		Place And Remove Temporary Traffic Protection From Roadside (Daily) *(01 55 26 00-0028)*		
01 55 26 00-0152	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside	2.50	
01 55 26 00-0153	EA	Placement And Removal Of >250 Cones By Hand From Roadside	1.99	
01 55 26 00-0154	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside	3.33	
01 55 26 00-0155	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside	2.65	
01 55 26 00-0156	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside	4.99	
01 55 26 00-0157	EA	Placement And Removal Of >250 Barricades By Hand From Roadside	4.00	
01 55 26 00-0158	EA	Placement And Removal Of Portable Sign And Stand From Roadside	2.96	
01 55 26 00-0159	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside	37.44	
01 55 26 00-0160	EA	Roadside Relocation Of Concrete Traffic Barrier Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.	50.67	
01 55 26 00-0161		Place And Remove Temporary Signs For Detours *(01 55 26 00-0028)*		
01 55 26 00-0162		Temporary Reflectorized Signs For Detours *(01 55 26 00-0161)* Note: Excludes posts.		
01 55 26 00-0163		Temporary Aluminum Engineer Grade Stop Signs For Detours *(01 55 26 00-0162)*		
01 55 26 00-0164	EA	Temporary 18" x 18" Aluminum Engineer Grade Stop Sign For Detours	94.11	
		For Hi-Intensity Grade, Add	*9.53*	
		For Diamond Grade, Add	*18.10*	
01 55 26 00-0165	EA	Temporary 18" x 24" Aluminum Engineer Grade Stop Sign For Detours	107.34	
		For Hi-Intensity Grade, Add	*12.46*	
		For Diamond Grade, Add	*23.67*	
01 55 26 00-0166	EA	Temporary 24" x 24" Aluminum Engineer Grade Stop Sign For Detours	115.70	
		For Hi-Intensity Grade, Add	*19.03*	
		For Diamond Grade, Add	*30.17*	
01 55 26 00-0167	EA	Temporary 30" x 30" Aluminum Engineer Grade Stop Sign For Detours	132.20	
		For Hi-Intensity Grade, Add	*7.13*	
		For Diamond Grade, Add	*38.64*	
01 55 26 00-0168	EA	Temporary 36" x 36" Aluminum Engineer Grade Stop Sign For Detours	171.48	
		For Hi-Intensity Grade, Add	*20.96*	
		For Diamond Grade, Add	*65.73*	
01 55 26 00-0169		Other Temporary Reflectorized Traffic Signs For Detours *(01 55 26 00-0162)* Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
01 55 26 00-0170		Temporary Aluminum Engineer Grade Traffic Signs For Detours *(01 55 26 00-0169)*		
01 55 26 00-0171	EA	Temporary 6" x 12" Aluminum Engineer Grade Traffic Sign For Detours	63.30	
		For Hi-Intensity Grade, Add	*2.36*	
01 55 26 00-0172	EA	Temporary 6" x 18" Aluminum Engineer Grade Traffic Sign For Detours	67.23	
		For Hi-Intensity Grade, Add	*3.54*	
01 55 26 00-0173	EA	Temporary 9" x 12" Aluminum Engineer Grade Traffic Sign For Detours	67.23	
		For Hi-Intensity Grade, Add	*3.54*	
01 55 26 00-0174	EA	Temporary 9" x 15" Aluminum Engineer Grade Traffic Sign For Detours	70.18	
		For Hi-Intensity Grade, Add	*4.43*	
01 55 26 00-0175	EA	Temporary 9" x 18" Aluminum Engineer Grade Traffic Sign For Detours	73.13	
		For Hi-Intensity Grade, Add	*5.31*	
01 55 26 00-0176	EA	Temporary 9" x 24" Aluminum Engineer Grade Traffic Sign For Detours	82.49	
		For Hi-Intensity Grade, Add	*7.08*	
01 55 26 00-0177	EA	Temporary 9" x 48" Aluminum Engineer Grade Traffic Sign For Detours	106.09	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0178	EA	Temporary 12" x 12" Aluminum Engineer Grade Traffic Sign For Detours	71.16	
		For Hi-Intensity Grade, Add	*4.72*	
01 55 26 00-0179	EA	Temporary 12" x 18" Aluminum Engineer Grade Traffic Sign For Detours	82.49	
		For Hi-Intensity Grade, Add	*7.08*	
01 55 26 00-0180	EA	Temporary 12" x 24" Aluminum Engineer Grade Traffic Sign For Detours	90.35	
		For Hi-Intensity Grade, Add	*9.44*	
01 55 26 00-0181	EA	Temporary 12" x 30" Aluminum Engineer Grade Traffic Sign For Detours	98.22	
		For Hi-Intensity Grade, Add	*11.80*	
01 55 26 00-0182	EA	Temporary 12" x 36" Aluminum Engineer Grade Traffic Sign For Detours	106.09	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0183	EA	Temporary 18" x 18" Aluminum Engineer Grade Traffic Sign For Detours	94.29	
		For Hi-Intensity Grade, Add	*10.62*	
01 55 26 00-0184	EA	Temporary 18" x 24" Aluminum Engineer Grade Traffic Sign For Detours	106.09	
		For Hi-Intensity Grade, Add	*14.16*	
01 55 26 00-0185	EA	Temporary 18" x 30" Aluminum Engineer Grade Traffic Sign For Detours	121.36	
		For Hi-Intensity Grade, Add	*17.70*	
01 55 26 00-0186	EA	Temporary 18" x 36" Aluminum Engineer Grade Traffic Sign For Detours	133.16	
		For Hi-Intensity Grade, Add	*21.24*	
01 55 26 00-0187	EA	Temporary 18" x 54" Aluminum Engineer Grade Traffic Sign For Detours	182.41	
		For Hi-Intensity Grade, Add	*31.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0188	EA	Temporary 24" x 24" Aluminum Engineer Grade Traffic Sign For Detours	125.29	
		For Hi-Intensity Grade, Add	*18.88*	
01 55 26 00-0189	EA	Temporary 24" x 30" Aluminum Engineer Grade Traffic Sign For Detours	141.02	
		For Hi-Intensity Grade, Add	*23.60*	
01 55 26 00-0190	EA	Temporary 24" x 36" Aluminum Engineer Grade Traffic Sign For Detours	156.75	
		For Hi-Intensity Grade, Add	*28.32*	
01 55 26 00-0191	EA	Temporary 24" x 42" Aluminum Engineer Grade Traffic Sign For Detours	186.35	
		For Hi-Intensity Grade, Add	*33.04*	
01 55 26 00-0192	EA	Temporary 24" x 48" Aluminum Engineer Grade Traffic Sign For Detours	202.08	
		For Hi-Intensity Grade, Add	*37.76*	
01 55 26 00-0193	EA	Temporary 24" x 54" Aluminum Engineer Grade Traffic Sign For Detours	217.81	
		For Hi-Intensity Grade, Add	*42.48*	
01 55 26 00-0194	EA	Temporary 30" x 30" Aluminum Engineer Grade Traffic Sign For Detours	160.69	
		For Hi-Intensity Grade, Add	*29.50*	
01 55 26 00-0195	EA	Temporary 30" x 36" Aluminum Engineer Grade Traffic Sign For Detours	194.21	
		For Hi-Intensity Grade, Add	*35.40*	
01 55 26 00-0196	EA	Temporary 30" x 42" Aluminum Engineer Grade Traffic Sign For Detours	213.88	
		For Hi-Intensity Grade, Add	*41.30*	
01 55 26 00-0197	EA	Temporary 30" x 48" Aluminum Engineer Grade Traffic Sign For Detours	247.40	
		For Hi-Intensity Grade, Add	*47.20*	
01 55 26 00-0198	EA	Temporary 30" x 60" Aluminum Engineer Grade Traffic Sign For Detours	300.58	
		For Hi-Intensity Grade, Add	*59.00*	
01 55 26 00-0199	EA	Temporary 36" x 36" Aluminum Engineer Grade Traffic Sign For Detours	217.81	
		For Hi-Intensity Grade, Add	*42.48*	
01 55 26 00-0200	EA	Temporary 36" x 42" Aluminum Engineer Grade Traffic Sign For Detours	255.27	
		For Hi-Intensity Grade, Add	*49.56*	
01 55 26 00-0201	EA	Temporary 36" x 48" Aluminum Engineer Grade Traffic Sign For Detours	292.72	
		For Hi-Intensity Grade, Add	*56.64*	
01 55 26 00-0202	EA	Temporary 36" x 54" Aluminum Engineer Grade Traffic Sign For Detours	316.32	
		For Hi-Intensity Grade, Add	*63.72*	
01 55 26 00-0203	EA	Temporary 36" x 60" Aluminum Engineer Grade Traffic Sign For Detours	353.78	
		For Hi-Intensity Grade, Add	*70.80*	
01 55 26 00-0204	EA	Temporary 36" x 73" Aluminum Engineer Grade Traffic Sign For Detours	418.77	
		For Hi-Intensity Grade, Add	*86.14*	
01 55 26 00-0205	EA	Temporary 36" x 78" Aluminum Engineer Grade Traffic Sign For Detours	438.43	
		For Hi-Intensity Grade, Add	*92.03*	
01 55 26 00-0206	EA	Temporary 36" x 108" Aluminum Engineer Grade Traffic Sign For Detours	577.21	
		For Hi-Intensity Grade, Add	*127.43*	
01 55 26 00-0207	EA	Temporary 42" x 42" Aluminum Engineer Grade Traffic Sign For Detours	296.65	
		For Hi-Intensity Grade, Add	*57.82*	
01 55 26 00-0208	EA	Temporary 48" x 48" Aluminum Engineer Grade Traffic Sign For Detours	369.51	
		For Hi-Intensity Grade, Add	*75.52*	
01 55 26 00-0209	EA	Temporary 48" x 54" Aluminum Engineer Grade Traffic Sign For Detours	414.83	
		For Hi-Intensity Grade, Add	*84.95*	
01 55 26 00-0210	EA	Temporary 48" x 60" Aluminum Engineer Grade Traffic Sign For Detours	446.30	
		For Hi-Intensity Grade, Add	*94.40*	
01 55 26 00-0211	EA	Temporary 48" x 66" Aluminum Engineer Grade Traffic Sign For Detours	498.55	
		For Hi-Intensity Grade, Add	*103.83*	
01 55 26 00-0212	EA	Temporary 48" x 72" Aluminum Engineer Grade Traffic Sign For Detours	530.02	
		For Hi-Intensity Grade, Add	*113.27*	
01 55 26 00-0213	EA	Temporary 48" x 84" Aluminum Engineer Grade Traffic Sign For Detours	606.81	
		For Hi-Intensity Grade, Add	*132.15*	
01 55 26 00-0214	EA	Temporary 48" x 96" Aluminum Engineer Grade Traffic Sign For Detours	669.74	
		For Hi-Intensity Grade, Add	*151.03*	
01 55 26 00-0215	EA	Temporary 48" x 102" Aluminum Engineer Grade Traffic Sign For Detours	701.20	
		For Hi-Intensity Grade, Add	*160.47*	
01 55 26 00-0216	EA	Temporary 48" x 108" Aluminum Engineer Grade Traffic Sign For Detours	739.59	
		For Hi-Intensity Grade, Add	*169.91*	
01 55 26 00-0217	EA	Temporary 60" x 72" Aluminum Engineer Grade Traffic Sign For Detours	638.27	
		For Hi-Intensity Grade, Add	*141.59*	
01 55 26 00-0218	EA	Temporary 78" x 96" Aluminum Engineer Grade Traffic Sign For Detours	991.30	
		For Hi-Intensity Grade, Add	*245.42*	

01 55 26 00-0219 Temporary Overhead Sign Structures For Detours *(01 55 26 00-0161)*

Note: Including horizontal Z-bars.

01 55 26 00-0220	SF	From 30 To 360 SF Signs For Temporary Overhead Sign Structures For Detours	22.50	
		For Over 10' High, Add	*13.00*	

01 55 26 00-0221 Temporary Sign Posts For Detours *(01 55 26 00-0161)*

Note: Excludes sign.

01 55 26 00-0222 Temporary U-Channel Sign Posts For Detours *(01 55 26 00-0221)*

Note: Excludes digging and concrete.

01 55 26 00-0223 Temporary Baked Enamel U-Channel Sign Posts For Detours *(01 55 26 00-0222)*

01 55 26 00-0224	EA	Temporary 3' To 4' Baked Enamel U-Channel Sign Post Base For Detours	83.79	
01 55 26 00-0225	EA	Temporary 6' Baked Enamel U-Channel Sign Post For Detours	108.98	
01 55 26 00-0226	EA	Temporary 7' Baked Enamel U-Channel Sign Post For Detours	130.24	
01 55 26 00-0227	EA	Temporary 8' Baked Enamel U-Channel Sign Post For Detours	152.39	
01 55 26 00-0228	EA	Temporary 10' Baked Enamel U-Channel Sign Post For Detours	184.10	
01 55 26 00-0229	EA	Temporary 12' Baked Enamel U-Channel Sign Post For Detours	195.53	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0230		Temporary Galvanized Steel U-Channel Sign Posts For Detours *(01 55 26 00-0222)*		
01 55 26 00-0231	EA	Temporary 3' To 4' Galvanized Steel U-Channel Sign Post Base For Detours	89.39	
01 55 26 00-0232	EA	Temporary 6' Galvanized Steel U-Channel Sign Post For Detours	117.86	
01 55 26 00-0233	EA	Temporary 7' Galvanized Steel U-Channel Sign Post For Detours	150.33	
01 55 26 00-0234	EA	Temporary 8' Galvanized Steel U-Channel Sign Post For Detours	174.59	
01 55 26 00-0235	EA	Temporary 10' Galvanized Steel U-Channel Sign Post For Detours	200.27	
01 55 26 00-0236	EA	Temporary 12' Galvanized Steel U-Channel Sign Post For Detours	209.59	
01 55 26 00-0237		Temporary Fiberglass Or Composite Plastic U-Channel Sign Posts For Detours *(01 55 26 00-0222)*		
01 55 26 00-0238	EA	Temporary 3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base For Detours	82.47	
01 55 26 00-0239	EA	Temporary 6' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	106.11	
01 55 26 00-0240	EA	Temporary 7' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	126.78	
01 55 26 00-0241	EA	Temporary 8' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	148.26	
01 55 26 00-0242	EA	Temporary 10' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	176.61	
01 55 26 00-0243	EA	Temporary 12' Fiberglass Or Composite Plastic U-Channel Sign Post For Detours	191.09	
01 55 26 00-0244		Temporary Tubular Sign Posts For Detours *(01 55 26 00-0221)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0245		Temporary 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours *(01 55 26 00-0244)*		
01 55 26 00-0246	EA	Temporary 6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	118.78	
01 55 26 00-0247	EA	Temporary 7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	141.21	
01 55 26 00-0248	EA	Temporary 8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	166.45	
01 55 26 00-0249	EA	Temporary 10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	212.42	
01 55 26 00-0250	EA	Temporary 12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post For Detours	230.03	
01 55 26 00-0251		Temporary Square Sign Posts For Detours *(01 55 26 00-0221)*		
		Note: Excludes digging and concrete.		
01 55 26 00-0252		Temporary Galvanized Steel Square Sign Posts For Detours *(01 55 26 00-0251)*		
01 55 26 00-0253	EA	Temporary 3' To 4' Galvanized Steel Square Sign Post Base For Detours	90.63	
01 55 26 00-0254	EA	Temporary 6' Galvanized Steel Square Sign Post For Detours	138.90	
01 55 26 00-0255	EA	Temporary 7' Galvanized Steel Square Sign Post For Detours	163.42	
01 55 26 00-0256	EA	Temporary 8' Galvanized Steel Square Sign Post For Detours	190.61	
01 55 26 00-0257	EA	Temporary 10' Galvanized Steel Square Sign Post For Detours	232.59	
01 55 26 00-0258	EA	Temporary 12' Galvanized Steel Square Sign Post For Detours	250.30	
01 55 26 00-0259		Temporary Breakaway Sign Posts And Bases For Detours *(01 55 26 00-0161)*		
		Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit. Excludes sign.		
01 55 26 00-0260		Temporary 2.5 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0261		Temporary Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0260)*		
01 55 26 00-0262	EA	Temporary Base Post for 2.5 Lb./LF, Breakaway Sign Post For Detours	105.23	
01 55 26 00-0263	EA	Temporary Lap Splice Hardware For 2.5 Lb./LF, Breakaway Sign Post For Detours	65.97	
01 55 26 00-0264		Temporary Breakaway Sign Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0260)*		
01 55 26 00-0265	LF	Temporary Breakaway Sign Post, 2.5 Lb./LF For Detours	12.34	
01 55 26 00-0266		Temporary 4 Lb./LF Breakaway Sign Posts And Base Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0267		Temporary Base Posts, 4 Lb./LF, For Breakaway Sign Posts For Detours *(01 55 26 00-0266)*		
01 55 26 00-0268	EA	Temporary Base Post for 4 Lb./LF, Breakaway Sign Post For Detours	108.71	
01 55 26 00-0269	EA	Temporary Lap Splice Hardware for 4 Lb./LF, Breakaway Sign Post For Detours	65.97	
01 55 26 00-0270		Temporary Breakaway Sign Posts, 4 Lb./LF For Detours *(01 55 26 00-0266)*		
01 55 26 00-0271	LF	Temporary Breakaway Sign Post, 4 Lb./LF For Detours	14.50	
01 55 26 00-0272		Temporary Driven Sign Posts For Detours *(01 55 26 00-0259)*		
01 55 26 00-0273		Temporary Driven Posts, 2.5 Lb./LF For Detours *(01 55 26 00-0272)*		
01 55 26 00-0274	LF	Temporary Driven Post, 2.5 Lb./LF For Detours	14.18	
		For Each Soil Plate, Add	*3.00*	
01 55 26 00-0275		Temporary Driven Posts, 4 Lb./LF For Detours *(01 55 26 00-0272)*		
01 55 26 00-0276	LF	Temporary Driven Post, 4 Lb./LF For Detours	17.28	
		For Each Soil Plate, Add	*3.00*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 55 26 00-0277		Temporary Omni-Directional Breakaway System For Sign Posts And Light Poles For Detours *(01 55 26 00-0259)*		
01 55 26 00-0278		Temporary Omni-Directional Breakaway Systems For Signs For Detours *(01 55 26 00-0277)* Note: Break-Safe as manufactured by Transpo Industries. Organized by post type and size. Includes hinges, anchors, all associated parts and drilling.		
01 55 26 00-0279	EA	Temporary Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,188.75	
01 55 26 00-0280	EA	Temporary Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,266.80	
01 55 26 00-0281	EA	Temporary Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	868.46	
01 55 26 00-0282	EA	Temporary Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	760.65	
01 55 26 00-0283	EA	Temporary Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	862.48	
01 55 26 00-0284	EA	Temporary Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	820.56	
01 55 26 00-0285	EA	Temporary Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	772.49	
01 55 26 00-0286		Temporary Omni-Directional Breakaway Systems For Poles For Detours *(01 55 26 00-0277)* Note: Pole-Safe As Manufactured By Transpo Industries. Organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
01 55 26 00-0287	EA	Temporary Omni-Directional Breakaway System For Poles With 5/8" Couplings	425.55	
01 55 26 00-0288	EA	Temporary Omni-Directional Breakaway System For Poles With 3/4" Couplings	446.19	
01 55 26 00-0289	EA	Temporary Omni-Directional Breakaway System For Poles With 1" Couplings	463.33	
01 55 26 00-0290	EA	Temporary Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	703.55	
01 55 26 00-0291	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	61.78	
01 55 26 00-0292	EA	Temporary Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	82.36	
01 55 26 00-0293		Temporary Rumble Strips *(01 55 26)* Note: Includes removal after use.		
01 55 26 00-0294	LF	1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip	13.96	
01 55 26 00-0295	LF	1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip	10.04	

01 56 Temporary Barriers and Enclosures *(01 50)*

Note: Includes removal after use.

01 56 16 Temporary Dust Barriers *(01 56)*

CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0001		Temporary Sheeting For Protection *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.40	
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.51	
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.68	
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.67	
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.49	
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.60	
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.77	
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.72	
01 56 16 00-0010	SF	10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.94	
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.52	
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.63	
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.80	
01 56 16 00-0014	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.75	
01 56 16 00-0015	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.51	
01 56 16 00-0016	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.62	
01 56 16 00-0017	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.79	
01 56 16 00-0018	SF	6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.74	
01 56 16 00-0019	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors Note: Includes removal after use.	0.58	
01 56 16 00-0020	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls Note: Includes removal after use.	0.69	
01 56 16 00-0021	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings Note: Includes removal after use.	0.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0022	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding Note: Includes removal after use.	0.81	
01 56 16 00-0023		**Temporary Canvas For Protection** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0024	SF	Heavy-Duty Woven Water Repellant Canvas, Applied To Walls	1.05	
01 56 16 00-0025		**Accessories For Temporary Sheeting** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0026	EA	7' Zipper Door For Plastic Sheeting Note: Includes removal after use.	24.87	
01 56 16 00-0027	LF	Zip Wall Kit And ICRA Dust Control Awareness Barrier (Per LF Of Wall) Note: Includes up to 12' long spring loaded poles, side clamps, foam rails and 6 mil poly barrier. Excludes zip doors. Includes removal after use.	9.96	
01 56 16 00-0028		**Temporary Critical Barriers For Protection** *(01 56 16)* Note: Includes removal after use. See CSI section 02 89 00 00-0002 for Other barriers for infectious control.		
01 56 16 00-0029	EA	Up To 1 SF Individual Critical Barriers For Outlets And Receptacles Note: Includes removal after use.	13.52	
01 56 16 00-0030	EA	>1 To 4 SF Individual Critical Barriers For Diffusers, Ceiling Speakers, Return Grilles, etc. Note: Includes removal after use.	20.49	
01 56 16 00-0031	EA	>4 To 8 SF Individual Critical Barriers For Diffusers, Return Grilles, Access Doors, Light Fixtures, etc. Note: Includes removal after use.	27.54	
01 56 16 00-0032	EA	>8 To 32 SF Individual Critical Barriers For Doors, Windows, etc. Note: Includes removal after use.	43.06	
01 56 16 00-0033		**Temporary Stud Wall** *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0034		**Temporary Stud Wall With Drywall** *(01 56 16 00-0033)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
01 56 16 00-0035		**Temporary Stud Wall With Drywall** *(01 56 16 00-0034)*		
01 56 16 00-0036	SF	3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.13	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0037	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.13	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0038	SF	5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.25	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0039	SF	3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.89	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0040	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.89	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0041	SF	5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.11	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0042		**Temporary Stud Wall With Fire Rated Drywall** *(01 56 16 00-0034)*		
01 56 16 00-0043	SF	1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.26	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0044	SF	5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.30	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0045	SF	5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.23	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0046	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	8.11	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0047	SF	1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.14	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0048	SF	5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.22	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0049	SF	5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.09	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0050	SF	3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.83	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0051		**Temporary Stud Wall With Oriented Strand Board (OSB)** *(01 56 16 00-0033)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0052	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	6.96	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0053	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.01	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0054	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.15	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0055	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.22	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0056	SF	7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.55	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0057	SF	1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.65	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0058	SF	5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	9.92	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0059	SF	3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.06	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0060		**Temporary Stud Wall With BC Plywood** *(01 56 16 00-0033)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0061	SF	3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.29	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0062	SF	1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.46	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0063	SF	5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.65	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0064	SF	3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	7.80	
		For Metal Studs 24" On Center, Add/Deduct	*1.15*	
01 56 16 00-0065	SF	3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.20	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0066	SF	1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.55	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0067	SF	5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	10.93	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0068	SF	3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	11.22	
		For Metal Studs 24" On Center, Add/Deduct	*1.26*	
01 56 16 00-0069		**Temporary Stud Wall With Plastic Sheeting** *(01 56 16 00-0033)* Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0070	SF	6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.08	
		For Metal Studs 24" On Center, Add/Deduct	*1.02*	
01 56 16 00-0071	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.16	
		For Metal Studs 24" On Center, Add/Deduct	*1.02*	
01 56 16 00-0072	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.19	
		For Metal Studs 24" On Center, Add/Deduct	*1.02*	
01 56 16 00-0073	SF	6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.18	
		For Metal Studs 24" On Center, Add/Deduct	*1.02*	
01 56 16 00-0074	SF	6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center Note: Includes removal after use.	4.26	
		For Metal Studs 24" On Center, Add/Deduct	*1.02*	
01 56 16 00-0075		**Temporary Doors** *(01 56 16 00-0033)* Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0076	EA	Temporary Metal Door And Frame Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	663.27	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0077		Temporary Floor Protection *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0078	SF	1/8" Thick, Masonite For Temporary Floor Protection Note: Includes removal after use.	1.84	
01 56 16 00-0079	SF	1/2" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	1.95	
01 56 16 00-0080	SF	3/4" Thick, Plywood For Temporary Floor Protection Note: Includes removal after use.	2.19	
01 56 16 00-0081	LF	38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection Note: Includes removal after use.	0.90	
01 56 16 00-0082	LF	36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection Note: Includes removal after use.	0.35	
01 56 16 00-0083	CSF	3 Mil, Temporary Self-adhesive Carpet Protection Film Note: Includes removal after use.	28.02	
01 56 16 00-0084	SF	Burlap For Temporary Floor Protection Note: Includes removal after use.	0.75	
01 56 16 00-0085	LF	36" Wide, 10 Mil, Non-Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.64	
		For Seam Tape, Add Per LF	*0.27*	
01 56 16 00-0086	LF	36" Wide, 10 Mil, Flame Retardant, Leak-Proof, Dust-Free And Slip Resistant, Reusable Protective Floor Covering For Temporary Floor Protection Note: Includes removal after use.	0.74	
		For Seam Tape, Add Per LF	*0.27*	
01 56 16 00-0087		Sticky Mats *(01 56 16)* Note: Includes removal after use.		
01 56 16 00-0088	EA	18" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	38.73	
		For 60 Layers Instead Of 30, Add	*25.58*	
01 56 16 00-0089	EA	18" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	44.42	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0090	EA	24" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	44.42	
		For 60 Layers Instead Of 30, Add	*29.85*	
01 56 16 00-0091	EA	25" x 45", 30 Layer Sticky Mat Note: Includes removal after use.	58.63	
		For 60 Layers Instead Of 30, Add	*40.51*	
01 56 16 00-0092	EA	36" x 36", 30 Layer Sticky Mat Note: Includes removal after use.	64.32	
		For 60 Layers Instead Of 30, Add	*44.78*	
01 56 16 00-0093	EA	36" x 46", 30 Layer Sticky Mat Note: Includes removal after use.	70.00	
		For 60 Layers Instead Of 30, Add	*49.04*	
01 56 16 00-0094	EA	36" x 60", 30 Layer Sticky Mat Note: Includes removal after use.	141.08	
		For 60 Layers Instead Of 30, Add	*102.35*	
01 56 16 00-0095	EA	36" x 72", 30 Layer Sticky Mat Note: Includes removal after use.	168.37	
01 56 26		**Temporary Fencing** *(01 56)*		
01 56 26 00-0001		Temporary Fencing *(01 56 26)* Note: Per ASTM A392-06 Standards		
01 56 26 00-0002		Temporary Chain Link Fence *(01 56 26 00-0001)* Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003		Temporary Chain Link Fence, Up To 6 Months *(01 56 26 00-0002)*		
01 56 26 00-0004	LF	Temporary 4' High Chain Link Fence And Posts, Up To 6 Months	7.04	
		For >100 To 250, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.50*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0005	LF	Temporary 6' High Chain Link Fence And Posts, Up To 6 Months	7.84	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.57*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0006	LF	Temporary 8' High Chain Link Fence And Posts, Up To 6 Months	10.82	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-0.96*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0007	LF	Temporary 10' High Chain Link Fence And Posts, Up To 6 Months	23.86	
		For >100 To 250, Deduct	*-0.95*	
		For >250 To 500, Deduct	*-1.90*	
		For >500, Deduct	*-2.84*	
		For Each LF Shade Cloth, Add	*4.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0008		**Temporary Chain Link Fence, >6 To 12 Months** *(01 56 26 00-0002)*		
01 56 26 00-0009	LF	Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months	7.38	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.37*	
		For >500, Deduct	*-0.55*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0010	LF	Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months	8.21	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.42*	
		For >500, Deduct	*-0.62*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0011	LF	Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months	11.45	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.70*	
		For >500, Deduct	*-1.05*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0012	LF	Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months	25.75	
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-2.09*	
		For >500, Deduct	*-3.13*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0013		**Temporary Chain Link Fence, >12 To 18 Months** *(01 56 26 00-0002)*		
01 56 26 00-0014	LF	Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months	7.75	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.61*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	8.64	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.46*	
		For >500, Deduct	*-0.69*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	12.16	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.77*	
		For >500, Deduct	*-1.16*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	27.84	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-2.29*	
		For >500, Deduct	*-3.44*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0018		**Temporary Chain Link Fence, >18 Months** *(01 56 26 00-0002)*		
01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	8.15	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.67*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	9.06	
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.50*	
		For >500, Deduct	*-0.75*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	12.92	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.27*	
		For Each LF Shade Cloth, Add	*3.60*	
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	30.12	
		For >100 To 250, Deduct	*-1.26*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.78*	
		For Each LF Shade Cloth, Add	*4.75*	
01 56 26 00-0023		**Temporary Chain Link Fence Gates** *(01 56 26 00-0001)*		
		Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0080 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0024		**Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0023)*		
01 56 26 00-0025		**4' High, Temporary Chain Link Fence Gates, Up To 6 Months** *(01 56 26 00-0024)*		
01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	282.45	
		For Each LF Shade Cloth, Add	*15.92*	
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	479.40	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	536.94	
		For Each LF Shade Cloth, Add	*47.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	611.09	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	732.15	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	814.75	
		For Each LF Shade Cloth, Add	*95.50*	
01 56 26 00-0032		6' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*		
01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	302.31	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	517.56	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	580.94	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	672.97	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	813.59	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	922.79	
		For Each LF Shade Cloth, Add	*152.20*	
01 56 26 00-0039		8' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*		
01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	337.52	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	592.88	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	663.25	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	759.11	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	927.74	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,075.99	
		For Shade Cloth, Add	*214.87*	
01 56 26 00-0046		10' High, Temporary Chain Link Fence Gates, Up To 6 Months *(01 56 26 00-0024)*		
01 56 26 00-0047	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	409.06	
		For Each LF Shade Cloth, Add	*47.25*	
01 56 26 00-0048	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	711.32	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0049	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	797.33	
		For Each LF Shade Cloth, Add	*141.75*	
01 56 26 00-0050	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	911.25	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0051	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,113.95	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0052	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,286.07	
		For Each LF Shade Cloth, Add	*283.51*	
01 56 26 00-0053		Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0023)*		
01 56 26 00-0054		4' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0055	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	293.11	
		For Each LF Shade Cloth, Add	*15.92*	
01 56 26 00-0056	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	495.98	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0057	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	555.88	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0058	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	632.41	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0059	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	758.21	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0060	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months	843.17	
		For Each LF Shade Cloth, Add	*95.50*	
01 56 26 00-0061		6' High, Temporary Chain Link Fence Gates, >6 To 12 Months *(01 56 26 00-0053)*		
01 56 26 00-0062	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	313.45	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0063	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	534.89	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0064	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	600.75	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0065	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	695.26	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0066	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	840.83	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0067	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months	952.50	
		For Each LF Shade Cloth, Add	*152.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0068		**8' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0069	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	349.77	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0070	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	611.95	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0071	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	685.04	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0072	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	783.63	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0073	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	957.71	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0074	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,108.67	
		For Shade Cloth, Add	*214.87*	
01 56 26 00-0075		**10' High, Temporary Chain Link Fence Gates, >6 To 12 Months** *(01 56 26 00-0053)*		
01 56 26 00-0076	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	424.38	
		For Each LF Shade Cloth, Add	*47.25*	
01 56 26 00-0077	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	735.15	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0078	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	824.57	
		For Each LF Shade Cloth, Add	*141.75*	
01 56 26 00-0079	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	941.90	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0080	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,151.40	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0081	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months	1,326.93	
		For Each LF Shade Cloth, Add	*283.51*	
01 56 26 00-0082		**Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0023)*		
01 56 26 00-0083		**4' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0084	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	304.30	
		For Each LF Shade Cloth, Add	*15.92*	
01 56 26 00-0085	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	513.39	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0086	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	575.78	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0087	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	654.79	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0088	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	785.56	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0089	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	873.01	
		For Each LF Shade Cloth, Add	*95.50*	
01 56 26 00-0090		**6' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0091	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	325.15	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0092	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	553.09	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0093	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	621.55	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0094	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	718.66	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0095	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	869.43	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0096	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	983.70	
		For Each LF Shade Cloth, Add	*152.20*	
01 56 26 00-0097		**8' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0098	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	362.64	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0099	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	631.97	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0100	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	707.92	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0101	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	809.37	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0102	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	989.16	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0103	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,142.99	
		For Shade Cloth, Add	*214.87*	
01 56 26 00-0104		**10' High, Temporary Chain Link Fence Gates, >12 To 18 Months** *(01 56 26 00-0082)*		
01 56 26 00-0105	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	440.47	
		For Each LF Shade Cloth, Add	*47.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0106	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	760.17	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0107	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	853.17	
		For Each LF Shade Cloth, Add	*141.75*	
01 56 26 00-0108	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	974.07	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0109	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,190.73	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0110	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,369.83	
		For Each LF Shade Cloth, Add	*283.51*	

01 56 26 00-0111 Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0023)*

01 56 26 00-0112 4' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0113	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	315.49	
		For Each LF Shade Cloth, Add	*15.92*	
01 56 26 00-0114	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	530.80	
		For Each LF Shade Cloth, Add	*39.79*	
01 56 26 00-0115	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	595.67	
		For Each LF Shade Cloth, Add	*47.75*	
01 56 26 00-0116	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	677.17	
		For Each LF Shade Cloth, Add	*59.69*	
01 56 26 00-0117	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	812.92	
		For Each LF Shade Cloth, Add	*79.58*	
01 56 26 00-0118	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	902.86	
		For Each LF Shade Cloth, Add	*95.50*	

01 56 26 00-0119 6' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0120	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	336.85	
		For Each LF Shade Cloth, Add	*25.37*	
01 56 26 00-0121	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	571.29	
		For Each LF Shade Cloth, Add	*63.42*	
01 56 26 00-0122	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	642.35	
		For Each LF Shade Cloth, Add	*76.10*	
01 56 26 00-0123	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	742.06	
		For Each LF Shade Cloth, Add	*95.12*	
01 56 26 00-0124	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	898.03	
		For Each LF Shade Cloth, Add	*126.83*	
01 56 26 00-0125	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,014.90	
		For Each LF Shade Cloth, Add	*152.20*	

01 56 26 00-0126 8' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0127	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	375.51	
		For Each LF Shade Cloth, Add	*35.81*	
01 56 26 00-0128	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	651.99	
		For Shade Cloth, Add	*89.53*	
01 56 26 00-0129	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	730.80	
		For Shade Cloth, Add	*107.43*	
01 56 26 00-0130	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	835.11	
		For Shade Cloth, Add	*134.29*	
01 56 26 00-0131	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,020.62	
		For Shade Cloth, Add	*179.06*	
01 56 26 00-0132	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,177.31	
		For Shade Cloth, Add	*214.87*	

01 56 26 00-0133 10' High, Temporary Chain Link Fence Gates, >18 Months *(01 56 26 00-0111)*

01 56 26 00-0134	EA	4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	456.56	
		For Each LF Shade Cloth, Add	*47.25*	
01 56 26 00-0135	EA	10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	785.20	
		For Each LF Shade Cloth, Add	*118.13*	
01 56 26 00-0136	EA	12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	881.77	
		For Each LF Shade Cloth, Add	*141.75*	
01 56 26 00-0137	EA	15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,006.24	
		For Each LF Shade Cloth, Add	*177.19*	
01 56 26 00-0138	EA	20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,230.05	
		For Each LF Shade Cloth, Add	*236.26*	
01 56 26 00-0139	EA	24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,412.73	
		For Each LF Shade Cloth, Add	*283.51*	

01 56 26 00-0140 Temporary Chain Link Fence Panels (Portable) *(01 56 26 00-0001)*

Note: Includes delivery, set-up and removal. Excludes sandbags.

01 56 26 00-0141 Temporary Chain Link Fence Panels (Portable), Up To 6 Months *(01 56 26 00-0140)*

01 56 26 00-0142	LF	Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	7.69	
		For >100 To 250, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.40*	
		For >500, Deduct	*-0.60*	
		For Each LF Shade Cloth, Add	*1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0143	LF	Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	8.55	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.67*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0144	LF	Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	11.68	
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.72*	
		For >500, Deduct	*-1.09*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0145 Temporary Chain Link Fence Panels (Portable), >6 To 12 Months *(01 56 26 00-0140)*

01 56 26 00-0146	LF	Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.04	
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.44*	
		For >500, Deduct	*-0.65*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0147	LF	Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	8.92	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.49*	
		For >500, Deduct	*-0.73*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0148	LF	Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	12.30	
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.18*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0149 Temporary Chain Link Fence Panels (Portable), >12 To 18 Months *(01 56 26 00-0140)*

01 56 26 00-0150	LF	Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	8.38	
		For >100 To 250, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.47*	
		For >500, Deduct	*-0.70*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0151	LF	Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.35	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.53*	
		For >500, Deduct	*-0.79*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0152	LF	Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	13.02	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.29*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0153 Temporary Chain Link Fence Panels (Portable), >18 Months *(01 56 26 00-0140)*

01 56 26 00-0154	LF	Temporary 4' High Chain Link Fence Panels (Portable), >18 Months	8.81	
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-0.77*	
		For Each LF Shade Cloth, Add	*1.60*	
01 56 26 00-0155	LF	Temporary 6' High Chain Link Fence Panels (Portable), >18 Months	9.78	
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.57*	
		For >500, Deduct	*-0.86*	
		For Each LF Shade Cloth, Add	*2.55*	
01 56 26 00-0156	LF	Temporary 8' High Chain Link Fence Panels (Portable), >18 Months	13.76	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.93*	
		For >500, Deduct	*-1.40*	
		For Each LF Shade Cloth, Add	*3.60*	

01 56 26 00-0157 Temporary Chain Link Fence Panels (Portable) Sandbags *(01 56 26 00-0140)*

01 56 26 00-0158	BAG	Temporary Chain Link Fence Panels (Portable) Sandbag Note: Includes placement and removal.	6.97	

01 56 26 00-0159 Temporary Rail And Timber Structure *(01 56 26 00-0001)*

01 56 26 00-0160	LF	4' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	231.87	
01 56 26 00-0161	LF	6' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	330.81	
01 56 26 00-0162	LF	8' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	429.75	
01 56 26 00-0163	LF	10' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	550.47	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0164	LF	12' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	640.17	
01 56 26 00-0165	LF	15' High Temporary Rail And Timber Structure Note: Includes steel posts, rails and plates, excavation, concrete, forming, finish, backfill and creosoted planking with 2" gaps	734.50	
01 56 26 00-0166		Relocate Chain Link Fence, Gates And Panels *(01 56 26 00-0001)* Note: Excludes auguring/drilling for posts.		
01 56 26 00-0167		Relocate Temporary Chain Link Fence On Site *(01 56 26 00-0166)*		
01 56 26 00-0168	LF	Relocate Temporary 4' High Chain Link Fence And Posts	3.92	
01 56 26 00-0169	LF	Relocate Temporary 6' High Chain Link Fence And Posts	5.88	
01 56 26 00-0170	LF	Relocate Temporary 8' High Chain Link Fence And Posts	8.49	
01 56 26 00-0171	LF	Relocate Temporary 10' High Chain Link Fence And Posts	10.44	
01 56 26 00-0172		Relocate Temporary Chain Link Fence Panels On Site *(01 56 26 00-0166)*		
01 56 26 00-0173	LF	Relocate Temporary 4' High Chain Link Fence Panel, Self Standing	0.92	
01 56 26 00-0174	LF	Relocate Temporary 6' High Chain Link Fence Panel, Self Standing	1.10	
01 56 26 00-0175	LF	Relocate Temporary 8' High Chain Link Fence Panel, Self Standing	1.24	
01 56 26 00-0176		Relocate Temporary Chain Link Gates On Site *(01 56 26 00-0166)*		
01 56 26 00-0177	EA	Relocate Temporary 4' High Chain Link Vehicle Gate And Posts	120.08	
01 56 26 00-0178	EA	Relocate Temporary 6' High Chain Link Vehicle Gate And Posts	138.56	
01 56 26 00-0179	EA	Relocate Temporary 8' High Chain Link Vehicle Gate And Posts	170.89	
01 56 26 00-0180	EA	Relocate Temporary 10' High Chain Link Vehicle Gate And Posts	184.75	
01 56 26 00-0181		Temporary Safety Fence *(01 56 26)* Note: Includes removal after use.		
01 56 26 00-0182	LF	48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence	3.58	
01 56 29		**Temporary Protective Walkways** ***(01 56)***		
01 56 29 00-0001		Temporary Sidewalk Bridge Protection *(01 56 29)*		
01 56 29 00-0002		Installation of Sidewalk Bridge *(01 56 29 00-0001)* Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF	Installation of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.	192.23	
		For 3 Post System, Add	*6.00*	
		For Each Additional Foot Over 8' Wide, Add	*3.00*	
		For Each Additional Foot Over 8' High, Add	*2.00*	
01 56 29 00-0004	LF	Installation of Netting for Sidewalk Bridge	4.89	
01 56 29 00-0005		Monthly Rental of Sidewalk Bridge *(01 56 29 00-0001)* Note: Excludes installation set-up and removal. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF	Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	15.49	
		For 3 Post System, Add	*2.32*	
01 56 29 00-0007	LF	Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	17.45	
		For 3 Post System, Add	*2.62*	
01 56 29 00-0008	LF	Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
		For 3 Post System, Add	*2.91*	
01 56 29 00-0009	LF	Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	19.38	
		For 3 Post System, Add	*2.91*	
01 56 29 00-0010	LF	Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	21.30	
		For 3 Post System, Add	*3.20*	
01 56 29 00-0011	LF	Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	25.21	
		For 3 Post System, Add	*3.78*	
01 56 29 00-0012	LF	Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly Note: Includes spanning openings, planking and parapet, lighting and maintenance.	23.28	
		For 3 Post System, Add	*3.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0013	LF	Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	27.15	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.07*	
01 56 29 00-0014	LF	Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	29.05	
		Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
		For 3 Post System, Add	*4.36*	
01 56 29 00-0015	LF	Monthly Rental of Netting for Sidewalk Bridge	2.90	

01 56 29 00-0016 Removal of Sidewalk Bridge *(01 56 29 00-0001)*

01 56 29 00-0017	LF	Removal Of Heavy-Duty Steel Post And Beam Sidewalk Bridge Assembly	40.01	
		Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
		For 3 Post System, Add	*2.50*	
		For Each Additional Foot Over 8' Wide, Add	*1.25*	
		For Each Additional Foot Over 8' High, Add	*0.75*	
01 56 29 00-0018	LF	Removal Of Netting For Sidewalk Bridge	1.38	

01 56 29 00-0019 Temporary Safety Nets *(01 56 29)*

Note: Includes removal after use.

01 56 29 00-0020	SF	Small Mesh Debris Netting	2.88	
		Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		

01 56 33 Temporary Security Barriers *(01 56)*

01 56 33 00-0001 Board-up Opening With Plywood *(01 56 33)*

Note: For use where directed by owner for boarding up door and window openings.

01 56 33 00-0002	OPNG	Removal Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day	13.86	
01 56 33 00-0003	SF	5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	8.73	
01 56 33 00-0004	SF	3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening	10.10	

01 56 33 00-0005 Temporary Pedestrian Barricade *(01 56 33)*

Note: Portable, interlocking galvanized steel fence with pivoting legs.

01 56 33 00-0006	DAY	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	14.47	
01 56 33 00-0007	WK	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	35.15	
01 56 33 00-0008	MO	3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental	105.44	

01 56 39 Temporary Tree and Plant Protection *(01 56)*

01 56 39 00-0001 Temporary Tree Guards *(01 56 39)*

Note: Includes digging holes and removal after use.

01 56 39 00-0002	EA	Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	203.64	
01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	242.10	
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail	263.26	

01 57 Temporary Controls *(01 50)*

01 57 13 Temporary Erosion and Sediment Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

01 57 23 Temporary Storm Water Pollution Control *(01 57)*

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

01 57 23 00-0001 Temporary Drain Guard *(01 57 23)*

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227)	112.18	
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217)	110.06	
		Note: Up to 0.87 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219)	140.01	
		Note: Up to 1.38 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356)	137.86	
		Note: Up to 1.55 gallons oil, up to 40 Lb. sediment.		
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358)	169.97	
		Note: Up to 2.06 gallons oil, up to 40 Lb. sediment.		

01 58 Project Identification *(01 50)*

Note: Includes removal after use.

01 58 13 Temporary Project Signage *(01 58)*

01 58 13 00-0001 Project Sign *(01 58 13)*

01 58 13 00-0002 MDO Plywood Signs *(01 58 13 00-0001)*

Note: Excludes posts.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 58 13 00-0003		Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0004		Engineer Grade, Reflectorized, MDO Plywood Signs *(01 58 13 00-0003)*		
01 58 13 00-0005	EA	Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	162.25	25.41
		For High-Intensity Grade, Add	*39.00*	
		For Diamond Grade, Add	*75.22*	
01 58 13 00-0006	EA	>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	275.99	26.56
		For High-Intensity Grade, Add	*78.00*	
		For Diamond Grade, Add	*150.44*	
01 58 13 00-0007	EA	>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	389.74	27.71
		For High-Intensity Grade, Add	*117.01*	
		For Diamond Grade, Add	*225.66*	
01 58 13 00-0008	EA	>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	503.48	28.87
		For High-Intensity Grade, Add	*156.01*	
		For Diamond Grade, Add	*300.87*	
01 58 13 00-0009	SF	>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign	15.78	0.92
		For High-Intensity Grade, Add	*4.88*	
		For Diamond Grade, Add	*9.40*	
01 58 13 00-0010		Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0002)*		
01 58 13 00-0011		One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0012	EA	Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	208.87	25.41
01 58 13 00-0013	EA	>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	248.91	26.56
01 58 13 00-0014	EA	>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	311.38	27.71
01 58 13 00-0015	EA	>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	370.38	28.87
01 58 13 00-0016	SF	>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign	11.62	0.92
01 58 13 00-0017		Full Color Design, Non-Reflectorized, MDO Plywood Signs *(01 58 13 00-0010)*		
01 58 13 00-0018	EA	Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	213.32	25.41
01 58 13 00-0019	EA	>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	272.90	26.56
01 58 13 00-0020	EA	>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	335.76	27.71
01 58 13 00-0021	EA	>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	391.27	28.87
01 58 13 00-0022	SF	>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign	12.27	0.92
01 58 13 00-0023		Fabricate And Install New Posts *(01 58 13 00-0001)*		
		Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF	Galvanized Metal Channel Sign Posts	19.06	
01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts	14.65	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts	17.64	
01 58 13 00-0027		Owner Supplied Signs *(01 58 13 00-0001)*		
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign	92.38	

01 60 Product Requirements *(01)*

01 66 Product Storage and Handling Requirements *(01 60)*

01 66 19 Product Handling Requirements *(01 66)*

Note: Not for use in conjunction with other tasks when the distance is less than 2 stories or less than 125'.

01 66 19 00-0001		Transfer Delivered Materials Between Floors *(01 66 19)*		
		Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor	17.77	
		Note: Quantity equals volume of materials multiplied by number of floors traveled.		
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip	11.55	
		Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0004		Transfer Delivered Materials Distances Greater Than 125' *(01 66 19)*		
		Note: For moving delivered, owner supplied or existing materials in a building.		
01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'	7.21	
01 66 19 00-0006		Transfer Demolition Debris Between Floors *(01 66 19)*		
		Note: Only for use with demolition tasks.		
01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor	17.77	
		Note: Quantity equals material volume times bulk factor times number of floors traveled.		
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip	11.55	
		Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.		
01 66 19 00-0009		Transfer Demolition Debris Distances Greater Than 125' *(01 66 19)*		
		Note: Only for use with demolition tasks.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'	7.21	

01 66 19 00-0011 Moving Furniture And Furnishings *(01 66 19)*

Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.

01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.	1.15	

01 70 Execution and Closeout Requirements *(01)*

01 71 Examination and Preparation *(01 70)*

01 71 13 Mobilization *(01 71)*

01 71 13 00-0001 Equipment Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.

01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.	490.13	
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy-duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with >40' boom lengths, etc.	1,529.42	

01 71 13 00-0004 Crane Delivery, Pickup, Mobilization And Demobilization *(01 71 13)*

Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.

01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	522.79	
		For >30 To 60 Miles Radius, Add		*130.70*
		For >60 To 100 Miles Radius, Add		*209.12*
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	849.55	
		For >30 To 60 Miles Radius, Add		*212.39*
		For >60 To 100 Miles Radius, Add		*339.82*
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,176.30	
		For >30 To 60 Miles Radius, Add		*294.08*
		For >60 To 100 Miles Radius, Add		*470.52*
01 71 13 00-0008	EA	>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	1,895.14	
		For >30 To 60 Miles Radius, Add		*473.79*
		For >60 To 100 Miles Radius, Add		*758.06*
01 71 13 00-0009	EA	>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,378.74	
		For >30 To 60 Miles Radius, Add		*594.69*
		For >60 To 100 Miles Radius, Add		*951.50*
01 71 13 00-0010	EA	>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	2,960.35	
		For >30 To 60 Miles Radius, Add		*740.09*
		For >60 To 100 Miles Radius, Add		*1,184.14*
01 71 13 00-0011	EA	>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,411.26	
		For >30 To 60 Miles Radius, Add		*852.82*
		For >60 To 100 Miles Radius, Add		*1,364.50*
01 71 13 00-0012	EA	>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane Note: Includes delivery and pickup.	3,816.44	
		For >30 To 60 Miles Radius, Add		*954.11*
		For >60 To 100 Miles Radius, Add		*1,526.58*
01 71 13 00-0013	EA	75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	2,025.85	
		For >30 To 60 Miles Radius, Add		*506.46*
		For >60 To 100 Miles Radius, Add		*810.34*
01 71 13 00-0014	EA	100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	3,202.15	
		For >30 To 60 Miles Radius, Add		*800.54*
		For >60 To 100 Miles Radius, Add		*1,280.86*
01 71 13 00-0015	EA	125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	4,051.69	
		For >30 To 60 Miles Radius, Add		*1,012.92*
		For >60 To 100 Miles Radius, Add		*1,620.68*
01 71 13 00-0016	EA	150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	5,031.94	
		For >30 To 60 Miles Radius, Add		*1,257.99*
		For >60 To 100 Miles Radius, Add		*2,012.78*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 71 13 00-0017	EA	200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	6,273.60	
		For >30 To 60 Miles Radius, Add	*1,568.40*	
		For >60 To 100 Miles Radius, Add	*2,509.44*	
01 71 13 00-0018	EA	250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	7,319.20	
		For >30 To 60 Miles Radius, Add	*1,829.80*	
		For >60 To 100 Miles Radius, Add	*2,927.68*	
01 71 13 00-0019	EA	300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	10,456.00	
		For >30 To 60 Miles Radius, Add	*2,614.00*	
		For >60 To 100 Miles Radius, Add	*4,182.40*	
01 71 13 00-0020	EA	500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane Note: Includes delivery, rigging and pickup.	14,337.78	
		For >30 To 60 Miles Radius, Add	*3,584.45*	
		For >60 To 100 Miles Radius, Add	*5,735.11*	

01 71 23 Field Engineering *(01 71)*

01 71 23 16 Construction Surveying *(01 71 23)*

01 71 23 16-0001 Conventional Topographic Survey *(01 71 23 16)*

Note: The professional services include AutoCAD drafting and certification. The survey includes location of structures, walks, drives, parking, significant vegetation, utilities, etc. The area within building footprint is not to be considered as part of the acreage.

01 71 23 16-0002	ACR	Conventional Topographic Survey Of Clear Area With Few To No Obstacles	1,312.94
01 71 23 16-0003	ACR	Conventional Topographic Survey Of Clear Area With Medium Height Vegetation, Few Trees (<5% Buildings)	3,667.46
01 71 23 16-0004	ACR	Conventional Topographic Survey Of Clear Area With Few Structures, And/or Wooded (5-25% Buildings)	5,268.56
01 71 23 16-0005	ACR	Conventional Topographic Survey Of Developed Areas With Several Structures (25-65% Buildings)	7,907.10
01 71 23 16-0006	ACR	Conventional Topographic Survey Of Highly Developed Areas, Sidewalks, etc. (>65% Buildings)	9,893.63

01 71 23 16-0007 Property Lines Survey *(01 71 23 16)*

Note: Not to be added to tasks in the "Conventional Topographic Survey" section.

01 71 23 16-0008	LF	Survey Property Lines On Cleared Land	2.90
01 71 23 16-0009	LF	Survey Property Lines On Slightly Wooded Land	3.36
01 71 23 16-0010	LF	Survey Property Lines On Wooded Land	3.93

01 71 23 16-0011 Survey Monument *(01 71 23 16)*

01 71 23 16-0012	EA	3' Precast Survey Monument	207.44
		For Owner Furnished Monument, Deduct	*-81.90*
01 71 23 16-0013	EA	Precast Survey Monument Box With Cast Iron Frame And Cover	310.86
01 71 23 16-0014	EA	Riser Ring For Survey Monument	160.55
01 71 23 16-0015	EA	Reset/Relocate/Adjust Survey Monument Cover To Grade	245.71

01 71 23 16-0016 Facade Surveying *(01 71 23 16)*

01 71 23 16-0017	LF	Facade Survey And Reports (LF Of Facade x Number Of Floors)	7.99

01 71 23 16-0018 Utility Survey *(01 71 23 16)*

Note: This survey is only for the location of underground utilities.

01 71 23 16-0019	ACR	Survey Clear Area For Underground Utilities	6,733.09

01 71 36 Non-Destructive Concrete Examination *(01 71)*

01 71 36 00-0001 Electromagnetic Survey *(01 71 36)*

Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).

01 71 36 00-0002 Electromagnetic (SIR/GPR) Survey *(01 71 36 00-0001)*

01 71 36 00-0003	EA	Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,161.90
01 71 36 00-0004	EA	>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	1,742.85
01 71 36 00-0005	EA	>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt	3,485.70

01 71 36 00-0006 Reports And Mapping For Electromagnetic (SIR/GPR) Surveys *(01 71 36 00-0001)*

01 71 36 00-0007	EA	Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	387.30
01 71 36 00-0008	EA	GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes GPS coordinates of located items and reference items.	774.60
01 71 36 00-0009	EA	CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt Note: Includes additions to the owner provided CAD drawing.	1,742.85

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

01 74 Cleaning and Waste Management *(01 70)*

01 74 13 Progress Cleaning *(01 74)*

Note: For use on existing areas other than where actual work is to be performed where ordered by the owner. Daily cleanup and final cleanup is included in the contractor's adjustment factor.

01 74 13 00-0001 General *(01 74 13)*

01 74 13 00-0002	CSF	Clean Miscellaneous Surfaces, Wipe Down With Mild Detergent	23.12	
01 74 13 00-0003	CY	Collect Existing Debris And Load Into Truck Or Dumpster Note: Per CY of debris removed.	27.07	

01 74 16 Site Maintenance *(01 74)*

01 74 16 00-0001 Parking Lot, Roads And Pathway Maintenance *(01 74 16)*

Note: These tasks shall be used for maintenance of existing roads and walks only as requested by the owner. Tasks not to be used in conjunction with related installation/demolition tasks.

01 74 16 00-0002 Parking Lot, Road, And Street Sweeping *(01 74 16 00-0001)*

01 74 16 00-0003	MSF	Sweep Parking Lot, With Street Sweeper	24.41	
01 74 16 00-0004	MSF	Sweeper/Vacuum/Sprayer For Parking Lots, Streets And Roads	29.30	

01 74 16 00-0005 Runway Sweeping *(01 74 16 00-0001)*

01 74 16 00-0006	MSF	Sweep Runway, With Street Sweep	36.63	

01 74 19 Construction Waste Management and Disposal *(01 74)*

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001 Debris Chutes *(01 74 19)*

Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.

01 74 19 00-0002 Steel Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0003	LF	18" Diameter, Steel Temporary Debris Chute	43.91	
01 74 19 00-0004	LF	30" Diameter, Steel Temporary Debris Chute	66.55	

01 74 19 00-0005 Plastic Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0006	LF	24" Diameter, Plastic Temporary Debris Chute	17.38	
		For Steel Liner, Add		*3.41*
01 74 19 00-0007	LF	30" Diameter, Plastic Temporary Debris Chute	19.93	
		For Steel Liner, Add		*3.91*
01 74 19 00-0008	LF	36" Diameter, Plastic Temporary Debris Chute	22.46	
		For Steel Liner, Add		*4.42*

01 74 19 00-0009 Wood Temporary Debris Chutes *(01 74 19 00-0001)*

01 74 19 00-0010	LF	4' x 4', Wood Temporary Debris Chute Note: Includes fabrication and installation.	34.25	

01 74 19 00-0011 Construction Dumpsters Rental *(01 74 19)*

Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.

01 74 19 00-0012	EA	10 CY Dumpster (1.5 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	525.35	
		For Each Ton Over Indicated Amount, Add		*98.50*
01 74 19 00-0013	EA	15 CY Dumpster (2 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	613.09	
		For Each Ton Over Indicated Amount, Add		*98.50*
01 74 19 00-0014	EA	20 CY Dumpster (3 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	652.85	
		For Each Ton Over Indicated Amount, Add		*98.50*
01 74 19 00-0015	EA	30 CY Dumpster (4 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	741.57	
		For Each Ton Over Indicated Amount, Add		*98.50*
01 74 19 00-0016	EA	40 CY Dumpster (6 Ton) "Construction Debris" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.	931.35	
		For Each Ton Over Indicated Amount, Add		*98.50*
01 74 19 00-0017	EA	10 CY Low-Boy Dumpster "Concrete Or Asphalt Only" Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Concrete or asphalt only.	816.93	
01 74 19 00-0018	EA	15 CY Low-Boy Dumpster Clean Recyclable Note: For clean dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	891.44	
01 74 19 00-0019	EA	15 CY Low-Boy Dumpster Mixed Recyclable Note: For mixed dirt, rock, concrete brick or asphalt with no trash or organics. Includes service to deliver and pick-up dumpster, hauling, rental and disposal fee.	957.96	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-0020		Concrete Washout Service *(01 74 19)*		
01 74 19 00-0021	MO	Rampless Concrete Washout Bin Note: Includes delivery.	561.83	
01 74 19 00-0022	MO	Ramped Concrete Washout Bin Note: Includes delivery.	674.20	
01 74 19 00-0023	EA	Interim Vacuum Service, Concrete Washout Bin Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.	640.17	
01 74 19 00-0024	EA	Vacuum, Pickup, Swap And Dump, Concrete Washout Bin Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.	1,387.04	
01 74 19 00-0025		Debris Processing Fee *(01 74 19)*		
01 74 19 00-0026		Material Recycling Fees *(01 74 19 00-0025)* Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-0027	CY	Drop-Off Asphalt At Recycling Center	17.82	
01 74 19 00-0028	CY	Drop-Off Non-Reinforced Concrete At Recycling Center	23.88	
01 74 19 00-0029	CY	Drop-Off Reinforced Concrete At Recycling Center	35.82	
01 74 19 00-0030	CY	Drop-Off Brick Or Block At Recycling Center	31.04	
01 74 19 00-0031	CY	Drop-Off Dirt At Recycling Center	34.62	
01 74 19 00-0032	CY	Drop-Off Dimensional Lumber At Recycling Center	16.72	
01 74 19 00-0033		Landfill Dump Fees *(01 74 19 00-0025)* Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling.		
01 74 19 00-0034	TRK	Dump Fee, Min. Load (Up To 640 Lbs)	23.80	
01 74 19 00-0035	CY	Traditional Building Construction Materials Landfill Dump Fee	15.89	
01 74 19 00-0036	TON	Traditional Building Construction Materials, Landfill Dump Fee	69.25	
01 74 19 00-0037	CY	Trees, Stumps And Brush, Landfill Dump Fee	19.13	
01 74 19 00-0038	CY	Hazardous Materials And Rubbish Landfill Dump Fee Note: Includes regulated waste such as paint cans, refrigerators/freezers, air conditioners, smoke detectors, batteries, etc.	45.61	
01 74 19 00-0039	CY	Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee	32.41	
01 74 19 00-0040	CY	Clean Dirt (No Grass, Weeds, Roots, Plants, Trash)	53.11	
01 74 19 00-0041	CY	Clay Loads, Expansive Materials	66.39	
01 74 19 00-0042	TON	General Refuse	99.97	
		For Hard To Handle Materials, Add	*10.00*	
01 74 19 00-0043	EA	Disposal Of Tires - Passenger Note: Up to 10 car tires. Use bulk rate for quantities over 10.	2.38	
01 74 19 00-0044	EA	Disposal Of Tires - Truck Note: Up to 5 truck tires. Use bulk rate for quantities over 5.	11.90	
01 74 19 00-0045	EA	Disposal Of Tires - Tractor Note: Up to 4 tractor tires. Use bulk rate for quantities over 4.	17.85	
01 74 19 00-0046	TON	Disposal Of Tires - Bulk Note: Includes cut tires and tire strips.	226.12	
01 74 19 00-0047	TON	Certified Pesticide Containers	123.99	
01 74 19 00-0048		Hauling *(01 74 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-0049	CYM	Hauling On Paved Roads, First 15 Miles	1.02	
01 74 19 00-0050	CYM	Hauling On Paved Roads, Miles Over Initial 15 Miles	0.68	
01 74 19 00-0051	CYM	Hauling On Unimproved Roads, First 15 Miles	1.57	
01 74 19 00-0052	CYM	Hauling On Unimproved Roads, Miles Over Initial 15 Miles	1.22	
01 74 23		**Final Cleaning** *(01 74)*		
01 74 23 00-0001		Cleaning Of Glass *(01 74 23)*		
01 74 23 00-0002	CSF	Cleaning Of Existing Glass Surfaces	31.57	

END OF SECTION 01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 Existing Conditions

02 20 Assessment *(02)*

02 25 Existing Material Assessment *(02 20)*

02 25 16 Existing Concrete, Masonry or Asphalt Assessment *(02 25)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 25 16 13 Concrete Assessment Drilling *(02 25 16)*

See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

02 30 Subsurface Investigation *(02)*

02 32 Geotechnical Investigations *(02 30)*

02 32 13 Subsurface Drilling and Sampling *(02 32)*

See CSI section 01 45 23 00-0000 for testing and lab reports.

02 32 13 00-0001 Mobilization Of Drilling Crew *(02 32 13)*

02 32 13 00-0002	EA	Mobilization Of Drilling Crew	1,226.28

02 32 13 00-0003 Auger Borings *(02 32 13)*

02 32 13 00-0004	LF	Standard Auger Hole With Split Spoon Sample At 5' Intervals	36.93

02 32 13 00-0005 Cased Borings In Earth, With Samples *(02 32 13)*

Note: All types of soils.

02 32 13 00-0006	LF	2-1/2" Diameter Cased Borings In Earth, With Samples	96.51
02 32 13 00-0007	LF	4" Diameter Cased Borings In Earth, With Samples	165.06

02 32 13 00-0008 Drilling In Rock, BW Core (2.125") *(02 32 13)*

02 32 13 00-0009	LF	Drill In Rock, BW Core, With Casing Note: Includes sampling.	101.83
02 32 13 00-0010	EA	Drill In Rock, With BW Core Boxes	9.71

02 32 13 00-0011 Drilling In Rock, NW Core (2.98") *(02 32 13)*

02 32 13 00-0012	LF	Drill In Rock, NW Core, With Casing Note: Includes sampling.	131.74
02 32 13 00-0013	EA	Drill In Rock, With NW Core Boxes	11.17

02 32 13 00-0014 Test Pits For Boring Activities *(02 32 13)*

Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.

02 32 13 00-0015 Backhoe Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0016	CY	Excavation For Test Pit, Light Material, Backhoe Excavation	74.06
02 32 13 00-0017	CY	Excavation For Test Pits, Medium Material, Backhoe Excavation	86.40
02 32 13 00-0018	CY	Excavation For Test Pit, Heavy Material, Backhoe Excavation	115.21

02 32 13 00-0019 Hand-Dug Test Pits *(02 32 13 00-0014)*

02 32 13 00-0020	CY	Excavation For Test Pit, Light Soil, Hand Excavation	205.27
02 32 13 00-0021	CY	Excavation For Test Pit, Heavy Soil, Hand Excavation	369.49

02 32 13 00-0022 Shelby Tube Sampling *(02 32 13)*

02 32 13 00-0023	EA	Shelby Tube Sampling	55.95
02 32 13 00-0024	EA	Penetration Test	45.59

02 32 13 00-0025 Grouting *(02 32 13)*

02 32 13 00-0026	VLF	Boreholes	10.61

02 32 19 Exploratory Excavations *(02 32)*

02 32 19 00-0001 Hydro Excavation *(02 32 19)*

Note: Assumes on-site disposal. See CSI section 01 22 23 00-1356 for additional water per day, 01 71 13 00-0000 for additional support equipment mobilization, 01 74 19 00-0033 for off-site disposal fee of material, 01 74 19 00-0048 for hauling excavated soil from site.

02 32 19 00-0002	EA	Hydro Excavation, Minimum Charge Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,646.35
02 32 19 00-0003	EA	600 to 750 Gallon Water Capacity, 6 To 9 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water.	940.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 32 19 00-0004	EA	1,200 To 1,500 Gallon Water Capacity, 12 To 15 CY Soil Capacity, Hydro Excavation, Mobilization/Demobilization Per Day Note: Includes initial water	1,175.97	
02 32 19 00-0005	EA	Move And Reset Up At Different Access/Location, Hydro Excavation	117.60	
02 32 19 00-0006	CY	Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) Note: Normal soil conditions consist of silt, sand and gravel.	98.08	
02 32 19 00-0007	CY	Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) Note: Adverse soil conditions consist of clay, glacial till and rocks.	156.88	

02 40 Demolition and Structure Moving *(02)*

02 41 Demolition *(02 40)*

02 41 13 Selective Site Demolition *(02 41)*

02 41 13 13 Paving Removal *(02 41 13)*

02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving	7.77
		For >500 To 1,000, Deduct	*-0.78*
		For >1,000 To 2,500, Deduct	*-1.40*
		For >2,500 To 5,000, Deduct	*-2.02*
		For >5,000 To 10,000, Deduct	*-2.64*
		For >10,000, Deduct	*-3.26*
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving	11.65
		For >500 To 1,000, Deduct	*-1.17*
		For >1,000 To 2,500, Deduct	*-2.10*
		For >2,500 To 5,000, Deduct	*-3.03*
		For >5,000 To 10,000, Deduct	*-3.96*
		For >10,000, Deduct	*-4.89*
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving	15.54
		For >500 To 1,000, Deduct	*-1.55*
		For >1,000 To 2,500, Deduct	*-2.80*
		For >2,500 To 5,000, Deduct	*-4.04*
		For >5,000 To 10,000, Deduct	*-5.28*
		For >10,000, Deduct	*-6.53*
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving	14.84
		For >500 To 1,000, Deduct	*-1.48*
		For >1,000 To 2,500, Deduct	*-2.67*
		For >2,500 To 5,000, Deduct	*-3.86*
		For >5,000 To 10,000, Deduct	*-5.05*
		For >10,000, Deduct	*-6.23*
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving	20.95
		For >500 To 1,000, Deduct	*-2.10*
		For >1,000 To 2,500, Deduct	*-3.77*
		For >2,500 To 5,000, Deduct	*-5.45*
		For >5,000 To 10,000, Deduct	*-7.12*
		For >10,000, Deduct	*-8.80*
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving	29.69
		For >500 To 1,000, Deduct	*-2.97*
		For >1,000 To 2,500, Deduct	*-5.34*
		For >2,500 To 5,000, Deduct	*-7.72*
		For >5,000 To 10,000, Deduct	*-10.09*
		For >10,000, Deduct	*-12.47*
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving	41.90
		For >500 To 1,000, Deduct	*-4.19*
		For >1,000 To 2,500, Deduct	*-7.54*
		For >2,500 To 5,000, Deduct	*-10.89*
		For >5,000 To 10,000, Deduct	*-14.25*
		For >10,000, Deduct	*-17.60*
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving	54.79
		For >500 To 1,000, Deduct	*-5.48*
		For >1,000 To 2,500, Deduct	*-9.86*
		For >2,500 To 5,000, Deduct	*-14.25*
		For >5,000 To 10,000, Deduct	*-18.63*
		For >10,000, Deduct	*-23.01*
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving	71.23
		For >500 To 1,000, Deduct	*-7.12*
		For >1,000 To 2,500, Deduct	*-12.82*
		For >2,500 To 5,000, Deduct	*-18.52*
		For >5,000 To 10,000, Deduct	*-24.22*
		For >10,000, Deduct	*-29.92*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0037 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0057 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving	1.89	
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving	2.40	
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving	3.18	
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving	2.38	
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving	3.02	
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving	3.97	

02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 13 13-0019	SY	Up To 3" By Machine, Break-up And Remove Bituminous Paving	16.57	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*4.97*	
		For Elevated Slab, Add	*8.29*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000 To 2,500, Deduct	*-2.98*	
		For >2,500 To 5,000, Deduct	*-4.31*	
		For >5,000 To 10,000, Deduct	*-5.63*	
		For >10,000, Deduct	*-6.96*	
02 41 13 13-0020	SY	>3" To 6" By Machine, Break-up And Remove Bituminous Paving	22.61	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*6.78*	
		For Elevated Slab, Add	*11.31*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000 To 2,500, Deduct	*-4.07*	
		For >2,500 To 5,000, Deduct	*-5.88*	
		For >5,000 To 10,000, Deduct	*-7.69*	
		For >10,000, Deduct	*-9.50*	
02 41 13 13-0021	SY	>6" To 9" By Machine, Break-up And Remove Bituminous Paving	31.38	
		For Elevated Slab, Add	*15.69*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000 To 2,500, Deduct	*-5.65*	
		For >2,500 To 5,000, Deduct	*-8.16*	
		For >5,000 To 10,000, Deduct	*-10.67*	
		For >10,000, Deduct	*-13.18*	
02 41 13 13-0022	SY	>9" To 12" By Machine, Break-up And Remove Bituminous Paving	40.94	
		For Elevated Slab, Add	*20.47*	
		For >500 To 1,000, Deduct	*-4.09*	
		For >1,000 To 2,500, Deduct	*-7.37*	
		For >2,500 To 5,000, Deduct	*-10.64*	
		For >5,000 To 10,000, Deduct	*-13.92*	
		For >10,000, Deduct	*-17.19*	
02 41 13 13-0023	SY	>12" To 15" By Machine, Break-up And Remove Bituminous Paving	56.99	
		For Elevated Slab, Add	*28.50*	
		For >500 To 1,000, Deduct	*-5.70*	
		For >1,000 To 2,500, Deduct	*-10.26*	
		For >2,500 To 5,000, Deduct	*-14.82*	
		For >5,000 To 10,000, Deduct	*-19.38*	
		For >10,000, Deduct	*-23.94*	
02 41 13 13-0024	SY	Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	19.05	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*5.72*	
		For Elevated Slab, Add	*9.53*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000 To 2,500, Deduct	*-3.43*	
		For >2,500 To 5,000, Deduct	*-4.95*	
		For >5,000 To 10,000, Deduct	*-6.48*	
		For >10,000, Deduct	*-8.00*	
02 41 13 13-0025	SY	>3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	24.93	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add Note: (Around Existing Structures And Obstructions), Add	*7.48*	
		For Elevated Slab, Add	*12.47*	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000 To 2,500, Deduct	*-4.49*	
		For >2,500 To 5,000, Deduct	*-6.48*	
		For >5,000 To 10,000, Deduct	*-8.48*	
		For >10,000, Deduct	*-10.47*	
02 41 13 13-0026	SY	>6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	44.52	
		For Elevated Slab, Add	*22.26*	
		For >500 To 1,000, Deduct	*-4.45*	
		For >1,000 To 2,500, Deduct	*-8.01*	
		For >2,500 To 5,000, Deduct	*-11.58*	
		For >5,000 To 10,000, Deduct	*-15.14*	
		For >10,000, Deduct	*-18.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0027	SY	>9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving	58.17	
		For Elevated Slab, Add	*29.09*	
		For >500 To 1,000, Deduct	*-5.82*	
		For >1,000 To 2,500, Deduct	*-10.47*	
		For >2,500 To 5,000, Deduct	*-15.12*	
		For >5,000 To 10,000, Deduct	*-19.78*	
		For >10,000, Deduct	*-24.43*	
02 41 13 13-0028	SY	Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	25.29	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*7.59*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*12.65*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000 To 2,500, Deduct	*-4.55*	
		For >2,500 To 5,000, Deduct	*-6.58*	
		For >5,000 To 10,000, Deduct	*-8.60*	
		For >10,000, Deduct	*-10.62*	
02 41 13 13-0029	SY	>3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	32.76	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*9.83*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*16.38*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000 To 2,500, Deduct	*-5.90*	
		For >2,500 To 5,000, Deduct	*-8.52*	
		For >5,000 To 10,000, Deduct	*-11.14*	
		For >10,000, Deduct	*-13.76*	
02 41 13 13-0030	SY	>6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving	54.32	
		For Additional Cost Of Hand Held Equipment Usage (Around Existing Structures And Obstructions), Add	*16.30*	
		Note: (Around Existing Structures And Obstructions), Add		
		For Elevated Slab, Add	*27.16*	
		For >500 To 1,000, Deduct	*-5.43*	
		For >1,000 To 2,500, Deduct	*-9.78*	
		For >2,500 To 5,000, Deduct	*-14.12*	
		For >5,000 To 10,000, Deduct	*-18.47*	
		For >10,000, Deduct	*-22.81*	
02 41 13 13-0031	SY	Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	27.42	
		For Elevated Slab, Add	*13.71*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000 To 2,500, Deduct	*-4.94*	
		For >2,500 To 5,000, Deduct	*-7.13*	
		For >5,000 To 10,000, Deduct	*-9.32*	
		For >10,000, Deduct	*-11.52*	
02 41 13 13-0032	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	35.26	
		For Elevated Slab, Add	*17.63*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000 To 2,500, Deduct	*-6.35*	
		For >2,500 To 5,000, Deduct	*-9.17*	
		For >5,000 To 10,000, Deduct	*-11.99*	
		For >10,000, Deduct	*-14.81*	
02 41 13 13-0033	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	63.04	
		For Elevated Slab, Add	*31.52*	
		For >500 To 1,000, Deduct	*-6.30*	
		For >1,000 To 2,500, Deduct	*-11.35*	
		For >2,500 To 5,000, Deduct	*-16.39*	
		For >5,000 To 10,000, Deduct	*-21.43*	
		For >10,000, Deduct	*-26.48*	
02 41 13 13-0034	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	82.27	
		For Elevated Slab, Add	*41.14*	
		For >500 To 1,000, Deduct	*-8.23*	
		For >1,000 To 2,500, Deduct	*-14.81*	
		For >2,500 To 5,000, Deduct	*-21.39*	
		For >5,000 To 10,000, Deduct	*-27.97*	
		For >10,000, Deduct	*-34.55*	
02 41 13 13-0035	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	107.57	
		For Elevated Slab, Add	*53.79*	
		For >500 To 1,000, Deduct	*-10.76*	
		For >1,000 To 2,500, Deduct	*-19.36*	
		For >2,500 To 5,000, Deduct	*-27.97*	
		For >5,000 To 10,000, Deduct	*-36.57*	
		For >10,000, Deduct	*-45.18*	
02 41 13 13-0036	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving	130.53	
		For Elevated Slab, Add	*65.27*	
		For >500 To 1,000, Deduct	*-13.05*	
		For >1,000 To 2,500, Deduct	*-23.50*	
		For >2,500 To 5,000, Deduct	*-33.94*	
		For >5,000 To 10,000, Deduct	*-44.38*	
		For >10,000, Deduct	*-54.82*	

02 41 13 13-0037 By Hand, Break-up And Remove Bituminous And Concrete Paving *(02 41 13 13)*

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 13 13-0038	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving	4.23	
02 41 13 13-0039	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving	5.57	
02 41 13 13-0040	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving	7.23	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0041	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving		5.28
02 41 13 13-0042	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving		7.30
02 41 13 13-0043	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving		9.36
02 41 13 13-0044	SF	Up To 3" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		7.41
02 41 13 13-0045	SF	>3" To 6" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		10.21
02 41 13 13-0046	SF	>6" To 9" By Hand, Break-up And Remove Welded Wire Reinforced Concrete Paving		13.09

02 41 13 13-0047 Grind Concrete *(02 41 13 13)*

02 41 13 13-0048	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) Note: For each location up to 5' wide, feather up to 12" each direction.		261.49
		For >1/2" To 1" Depth Of Grinding, Add	*39.22*	
		For >1" To 1-1/2" Depth Of Grinding, Add	*65.37*	
		For Up To 5, Add	*52.30*	
		For >5 To 10, Add	*26.15*	
		For >25 To 50, Deduct	*-26.15*	
		For >50 To 250, Deduct	*-39.22*	
		For >250, Deduct	*-52.30*	
		For Sidewalks >5', Add	*26.15*	
		For Up To 12" Additional Feathering Per Side, Add	*26.15*	

02 41 13 13-0049 Repair Uneven Sidewalks *(02 41 13 13)*

Note: (1 inch foot = 1 inch high X 1 linear foot long). Example for sample trip hazard: 1/2" high on one side, Zero on the other side, 4 linear foot long. Calculation for height would be: (1/2 +0)/2=1/4 inch average. Calculation for length would be: 1/4 inch average X 4 feet = 1 inch foot.

02 41 13 13-0050	IF	Up To 2,000 Inch Feet Repair Uneven Sidewalks	89.86
02 41 13 13-0051	IF	2,000 To 3,000 Inch Feet Repair Uneven Sidewalks	85.26
02 41 13 13-0052	IF	3,000 And Up Inch Feet Repair Uneven Sidewalks	80.65

02 41 13 15 Hydro Demolition *(02 41 13)*

02 41 13 15-0001 Hydro Demolition Of Concrete Pavement *(02 41 13 15)*

Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	8.25
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	10.30
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	13.78
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet	27.44

02 41 16 Structure Demolition *(02 41)*

02 41 16 13 Building Demolition *(02 41 16)*

02 41 16 13-0001 Building Interior Demolition *(02 41 16 13)*

Note: Gutted and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminates or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	8.21
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	12.42
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	10.16
02 41 16 13-0005	GSF	>10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck	9.03

02 41 16 13-0006 Commercial And Residential Structures Demolition *(02 41 16 13)*

Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site cleanup, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.

02 41 16 13-0007 Steel Framed Building Demolition *(02 41 16 13-0006)*

Note: Includes masonry partitions and concrete decks.

02 41 16 13-0008	CCF	By Pneumatic Tools/Hand, Steel Framed Building Demolition		77.35
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-5.80*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-11.60*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-17.40*	
		For Up To 500, Add	*23.21*	
		For >500 To 1,000, Add	*15.47*	
		For >1,000 To 2,000, Add	*7.74*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*25.53*	
		For No Interior Partitions, Deduct	*-19.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0009	CCF	By Machine, Steel Framed Building Demolition	48.86	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.66*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-7.33*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-10.99*	
		For Up To 500, Add	*14.66*	
		For >500 To 1,000, Add	*9.77*	
		For >1,000 To 2,000, Add	*4.89*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*7.33*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*12.22*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*17.10*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*16.12*	
		For No Interior Partitions, Deduct	*-12.22*	

02 41 16 13-0010 Reinforced Concrete Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0011	CCF	By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition	97.07	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-7.28*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-14.56*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-21.84*	
		For Up To 500, Add	*29.12*	
		For >500 To 1,000, Add	*19.41*	
		For >1,000 To 2,000, Add	*9.71*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*32.03*	
		For No Interior Partitions, Deduct	*-24.27*	
02 41 16 13-0012	CCF	By Machine, Reinforced Concrete Building Demolition	64.52	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.84*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-9.68*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-14.52*	
		For Up To 500, Add	*19.36*	
		For >500 To 1,000, Add	*12.90*	
		For >1,000 To 2,000, Add	*6.45*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*9.68*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*16.13*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*22.58*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*21.29*	
		For No Interior Partitions, Deduct	*-16.13*	

02 41 16 13-0013 Reinforced Block Masonry Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0014	CCF	By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition	82.65	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-6.20*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-12.40*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-18.60*	
		For Up To 500, Add	*24.80*	
		For >500 To 1,000, Add	*16.53*	
		For >1,000 To 2,000, Add	*8.27*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*27.27*	
		For No Interior Partitions, Deduct	*-20.66*	
02 41 16 13-0015	CCF	By Machine, Reinforced Block Masonry Building Demolition	54.18	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.06*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-8.13*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-12.19*	
		For Up To 500, Add	*16.25*	
		For >500 To 1,000, Add	*10.84*	
		For >1,000 To 2,000, Add	*5.42*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*8.13*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*13.55*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*18.96*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*17.88*	
		For No Interior Partitions, Deduct	*-13.55*	

02 41 16 13-0016 Masonry Construction Building Demolition *(02 41 16 13-0006)*

02 41 16 13-0017	CCF	By Pneumatic Tools/Hand, Masonry Construction Building Demolition	68.22	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-5.12*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-10.23*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-15.35*	
		For Up To 500, Add	*20.47*	
		For >500 To 1,000, Add	*13.64*	
		For >1,000 To 2,000, Add	*6.82*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*22.51*	
		For No Interior Partitions, Deduct	*-17.06*	
02 41 16 13-0018	CCF	By Machine, Masonry Construction Building Demolition	43.84	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-3.29*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-6.58*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-9.86*	
		For Up To 500, Add	*13.15*	
		For >500 To 1,000, Add	*8.77*	
		For >1,000 To 2,000, Add	*4.38*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*6.58*	
		For Work >6 Stories To 10 Stories (Exclude Volume Below), Add	*10.96*	
		For Work >10 Stories To 15 Stories (Exclude Volume Below), Add	*15.34*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*14.47*	
		For No Interior Partitions, Deduct	*-10.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0019		**Wood Frame Construction Building Demolition** *(02 41 16 13-0006)*		
02 41 16 13-0020	CCF	By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition	59.28	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-4.45*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-8.89*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-13.34*	
		For Up To 500, Add	*17.78*	
		For >500 To 1,000, Add	*11.86*	
		For >1,000 To 2,000, Add	*5.93*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*19.56*	
		For No Interior Partitions, Deduct	*-14.82*	
02 41 16 13-0021	CCF	By Machine, Wood Frame Construction Building Demolition	37.52	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15', Deduct	*-2.81*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18', Deduct	*-5.63*	
		For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21', Deduct	*-8.44*	
		For Up To 500, Add	*11.26*	
		For >500 To 1,000, Add	*7.50*	
		For >1,000 To 2,000, Add	*3.75*	
		For Work >3 Stories To 6 Stories (Exclude Volume Below), Add	*5.63*	
		For Volume Of Area Within 15' To An Adjacent Building, Add	*12.38*	
		For No Interior Partitions, Deduct	*-9.38*	
02 41 16 13-0022		**Sorting Of Material Debris For Recycling Prior To Hauling Off** *(02 41 16 13-0006)*		
		Note: Per building volume.		
02 41 16 13-0023	CCF	Sorting Of Material Debris For Recycling Prior To Hauling Off	10.15	
		For Up To 500, Add	*3.05*	
		For >500 To 1,000, Add	*2.03*	
		For >1,000 To 2,000, Add	*1.02*	
02 41 16 13-0024		**Foundation Demolition** *(02 41 16 13)*		
		Note: Excludes earthwork.		
02 41 16 13-0025		**Concrete Foundation Demolition** *(02 41 16 13-0024)*		
02 41 16 13-0026	CF	Non-Reinforced Concrete Foundation Demolition	16.01	
		For >135 To 405, Deduct	*-1.40*	
		For >405 To 810, Deduct	*-2.80*	
		For >810 To 2025, Deduct	*-4.00*	
		For >2025, Deduct	*-6.40*	
02 41 16 13-0027	CF	Reinforced Concrete Foundation Demolition	19.21	
		For >135 To 405, Deduct	*-1.68*	
		For >405 To 810, Deduct	*-3.36*	
		For >810 To 2025, Deduct	*-4.80*	
		For >2025, Deduct	*-7.68*	
02 41 16 13-0028		**Concrete Foundation Wall Demolition** *(02 41 16 13-0024)*		
02 41 16 13-0029	SF	4" Thick Non-Reinforced Concrete Foundation Wall Demolition	6.86	
		For >500 To 2,000, Deduct	*-0.51*	
		For >2,000 To 6,000, Deduct	*-1.37*	
		For >6,000 To 8,000, Deduct	*-2.40*	
		For >8,000, Deduct	*-3.77*	
02 41 16 13-0030	SF	6" Thick Non-Reinforced Concrete Foundation Wall Demolition	9.15	
		For >500 To 2,000, Deduct	*-0.69*	
		For >2,000 To 6,000, Deduct	*-1.83*	
		For >6,000 To 8,000, Deduct	*-3.20*	
		For >8,000, Deduct	*-5.03*	
02 41 16 13-0031	SF	8" Thick Non-Reinforced Concrete Foundation Wall Demolition	11.43	
		For >500 To 2,000, Deduct	*-0.86*	
		For >2,000 To 6,000, Deduct	*-2.29*	
		For >6,000 To 8,000, Deduct	*-4.00*	
		For >8,000, Deduct	*-6.29*	
02 41 16 13-0032	SF	10" Thick Non-Reinforced Concrete Foundation Wall Demolition	13.72	
		For >500 To 2,000, Deduct	*-1.03*	
		For >2,000 To 6,000, Deduct	*-2.74*	
		For >6,000 To 8,000, Deduct	*-4.80*	
		For >8,000, Deduct	*-7.55*	
02 41 16 13-0033	SF	12" Thick Non-Reinforced Concrete Foundation Wall Demolition	16.01	
		For >500 To 2,000, Deduct	*-1.20*	
		For >2,000 To 6,000, Deduct	*-3.20*	
		For >6,000 To 8,000, Deduct	*-5.60*	
		For >8,000, Deduct	*-8.81*	
02 41 16 13-0034	SF	16" Thick Non-Reinforced Concrete Foundation Wall Demolition	18.30	
		For >500 To 2,000, Deduct	*-1.37*	
		For >2,000 To 6,000, Deduct	*-3.66*	
		For >6,000 To 8,000, Deduct	*-6.41*	
		For >8,000, Deduct	*-10.07*	
02 41 16 13-0035	SF	4" Thick Reinforced Concrete Foundation Wall Demolition	8.23	
		For >500 To 2,000, Deduct	*-0.62*	
		For >2,000 To 6,000, Deduct	*-1.65*	
		For >6,000 To 8,000, Deduct	*-2.88*	
		For >8,000, Deduct	*-4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0036	SF	6" Thick Reinforced Concrete Foundation Wall Demolition		10.98
		For >500 To 2,000, Deduct		*-0.82*
		For >2,000 To 6,000, Deduct		*-2.20*
		For >6,000 To 8,000, Deduct		*-3.84*
		For >8,000, Deduct		*-6.04*
02 41 16 13-0037	SF	8" Thick Reinforced Concrete Foundation Wall Demolition		13.72
		For >500 To 2,000, Deduct		*-1.03*
		For >2,000 To 6,000, Deduct		*-2.74*
		For >6,000 To 8,000, Deduct		*-4.80*
		For >8,000, Deduct		*-7.55*
02 41 16 13-0038	SF	10" Thick Reinforced Concrete Foundation Wall Demolition		16.24
		For >500 To 2,000, Deduct		*-1.22*
		For >2,000 To 6,000, Deduct		*-3.25*
		For >6,000 To 8,000, Deduct		*-5.68*
		For >8,000, Deduct		*-8.93*
02 41 16 13-0039	SF	12" Thick Reinforced Concrete Foundation Wall Demolition		19.21
		For >500 To 2,000, Deduct		*-1.44*
		For >2,000 To 6,000, Deduct		*-3.84*
		For >6,000 To 8,000, Deduct		*-6.72*
		For >8,000, Deduct		*-10.57*
02 41 16 13-0040	SF	16" Thick Reinforced Concrete Foundation Wall Demolition		21.96
		For >500 To 2,000, Deduct		*-1.65*
		For >2,000 To 6,000, Deduct		*-4.39*
		For >6,000 To 8,000, Deduct		*-7.69*
		For >8,000, Deduct		*-12.08*

02 41 16 13-0041 Concrete Block Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0042	SF	4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.03
		For >500 To 2,000, Deduct		*-0.38*
		For >2,000 To 6,000, Deduct		*-1.01*
		For >6,000 To 8,000, Deduct		*-1.76*
		For >8,000, Deduct		*-2.77*
02 41 16 13-0043	SF	6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		5.38
		For >500 To 2,000, Deduct		*-0.40*
		For >2,000 To 6,000, Deduct		*-1.08*
		For >6,000 To 8,000, Deduct		*-1.88*
		For >8,000, Deduct		*-2.96*
02 41 16 13-0044	SF	8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		6.06
		For >500 To 2,000, Deduct		*-0.45*
		For >2,000 To 6,000, Deduct		*-1.21*
		For >6,000 To 8,000, Deduct		*-2.12*
		For >8,000, Deduct		*-3.33*
02 41 16 13-0045	SF	10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		6.97
		For >500 To 2,000, Deduct		*-0.52*
		For >2,000 To 6,000, Deduct		*-1.39*
		For >6,000 To 8,000, Deduct		*-2.44*
		For >8,000, Deduct		*-3.83*
02 41 16 13-0046	SF	12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		7.78
		For >500 To 2,000, Deduct		*-0.58*
		For >2,000 To 6,000, Deduct		*-1.56*
		For >6,000 To 8,000, Deduct		*-2.72*
		For >8,000, Deduct		*-4.28*
02 41 16 13-0047	SF	16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition		9.72
		For >500 To 2,000, Deduct		*-0.73*
		For >2,000 To 6,000, Deduct		*-1.94*
		For >6,000 To 8,000, Deduct		*-3.40*
		For >8,000, Deduct		*-5.35*
02 41 16 13-0048	SF	4" Thick Reinforced Concrete Block Foundation Wall Demolition		6.04
		For >500 To 2,000, Deduct		*-0.45*
		For >2,000 To 6,000, Deduct		*-1.21*
		For >6,000 To 8,000, Deduct		*-2.11*
		For >8,000, Deduct		*-3.32*
02 41 16 13-0049	SF	6" Thick Reinforced Concrete Block Foundation Wall Demolition		6.45
		For >500 To 2,000, Deduct		*-0.48*
		For >2,000 To 6,000, Deduct		*-1.29*
		For >6,000 To 8,000, Deduct		*-2.26*
		For >8,000, Deduct		*-3.55*
02 41 16 13-0050	SF	8" Thick Reinforced Concrete Block Foundation Wall Demolition		7.27
		For >500 To 2,000, Deduct		*-0.55*
		For >2,000 To 6,000, Deduct		*-1.45*
		For >6,000 To 8,000, Deduct		*-2.54*
		For >8,000, Deduct		*-4.00*
02 41 16 13-0051	SF	10" Thick Reinforced Concrete Block Foundation Wall Demolition		8.37
		For >500 To 2,000, Deduct		*-0.63*
		For >2,000 To 6,000, Deduct		*-1.67*
		For >6,000 To 8,000, Deduct		*-2.93*
		For >8,000, Deduct		*-4.60*
02 41 16 13-0052	SF	12" Thick Reinforced Concrete Block Foundation Wall Demolition		9.33
		For >500 To 2,000, Deduct		*-0.70*
		For >2,000 To 6,000, Deduct		*-1.87*
		For >6,000 To 8,000, Deduct		*-3.27*
		For >8,000, Deduct		*-5.13*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	MINOR DEMOLITION UNIT COST
02 41 16 13-0053	SF	16" Thick Reinforced Concrete Block Foundation Wall Demolition	11.67	
		For >500 To 2,000, Deduct	*-0.88*	
		For >2,000 To 6,000, Deduct	*-2.33*	
		For >6,000 To 8,000, Deduct	*-4.08*	
		For >8,000, Deduct	*-6.42*	

02 41 16 13-0054 Brick Foundation Wall Demolition *(02 41 16 13-0024)*

02 41 16 13-0055	SF	4" Thick Brick Foundation Wall Demolition	5.03	
		For >500 To 2,000, Deduct	*-0.38*	
		For >2,000 To 6,000, Deduct	*-1.01*	
		For >6,000 To 8,000, Deduct	*-1.76*	
		For >8,000, Deduct	*-2.77*	
02 41 16 13-0056	SF	6" Thick Brick Foundation Wall Demolition	5.38	
		For >500 To 2,000, Deduct	*-0.40*	
		For >2,000 To 6,000, Deduct	*-1.08*	
		For >6,000 To 8,000, Deduct	*-1.88*	
		For >8,000, Deduct	*-2.96*	
02 41 16 13-0057	SF	8" Thick Brick Foundation Wall Demolition	6.06	
		For >500 To 2,000, Deduct	*-0.45*	
		For >2,000 To 6,000, Deduct	*-1.21*	
		For >6,000 To 8,000, Deduct	*-2.12*	
		For >8,000, Deduct	*-3.33*	
02 41 16 13-0058	SF	10" Thick Brick Foundation Wall Demolition	6.97	
		For >500 To 2,000, Deduct	*-0.52*	
		For >2,000 To 6,000, Deduct	*-1.39*	
		For >6,000 To 8,000, Deduct	*-2.44*	
		For >8,000, Deduct	*-3.83*	
02 41 16 13-0059	SF	12" Thick Brick Foundation Wall Demolition	7.78	
		For >500 To 2,000, Deduct	*-0.58*	
		For >2,000 To 6,000, Deduct	*-1.56*	
		For >6,000 To 8,000, Deduct	*-2.72*	
		For >8,000, Deduct	*-4.28*	
02 41 16 13-0060	SF	16" Thick Brick Foundation Wall Demolition	9.72	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000 To 6,000, Deduct	*-1.94*	
		For >6,000 To 8,000, Deduct	*-3.40*	
		For >8,000, Deduct	*-5.35*	

02 41 16 13-0061 Stone Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0062	CF	Stone Footing Or Foundation Wall Demolition	16.01	
		For >135 To 405, Deduct	*-1.40*	
		For >405 To 810, Deduct	*-2.80*	
		For >810 To 2025, Deduct	*-4.00*	
		For >2025, Deduct	*-6.40*	

02 41 16 13-0063 Other Foundation Demolition *(02 41 16 13-0024)*

02 41 16 13-0064	CF	Concrete Footing Demolition For Fence, Gate Or Playground Equipment Post, etc. Note: Includes excavation.	16.83	
		For >135 To 405, Deduct	*-1.47*	
		For >405 To 810, Deduct	*-2.95*	
		For >810 To 2025, Deduct	*-4.21*	
		For >2025, Deduct	*-6.73*	

02 41 19 Selective Demolition *(02 41)*

02 41 19 13 Selective Building Demolition *(02 41 19)*

02 41 19 13-0001 Exterior Masonry Removal *(02 41 19 13)*

02 41 19 13-0002 Masonry Columns Removal (Interior And Exterior) *(02 41 19 13-0001)*

02 41 19 13-0003	VLF	8" x 8" Masonry Column Removal	15.50	
02 41 19 13-0004	VLF	10" x 10" Masonry Column Removal	24.22	
02 41 19 13-0005	VLF	12" x 12" Masonry Column Removal	31.03	
02 41 19 13-0006	VLF	14" x 14" Masonry Column Removal	38.84	
02 41 19 13-0007	VLF	16" x 16" Masonry Column Removal	47.72	
02 41 19 13-0008	CF	Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square	26.79	

02 41 19 13-0009 Masonry Chimney Removal *(02 41 19 13-0001)*

02 41 19 13-0010	CF	Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed	31.44	
02 41 19 13-0011	CF	>3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed	23.60	
02 41 19 13-0012	CF	>10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	18.06	
02 41 19 13-0013	CF	>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed	12.51	

02 41 19 13-0014 Remove And Reset Precast, Stone Or Masonry Coping *(02 41 19 13-0001)*

Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0015	LF	Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping	21.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0016	LF	>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping	32.37	
02 41 19 13-0017	LF	>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping	61.31	

02 41 19 13-0018 Facade Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0019	SF	Stone Or Brick Veneer Facade Removal	5.90	
		For Cleaning and Storage For Reuse, Add		*8.85*
		For Reinforcing, Add		*0.89*

02 41 19 13-0020 Exterior Masonry Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0021	SF	Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall	5.19	
02 41 19 13-0022	SF	Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall	5.85	
02 41 19 13-0023	SF	Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall	7.08	
02 41 19 13-0024	SF	Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall	7.74	
02 41 19 13-0025	SF	Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall	8.50	
02 41 19 13-0026	SF	Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall	10.63	
02 41 19 13-0027	SF	Demolish 4" Thick Reinforced Concrete Block Exterior Wall	6.13	
02 41 19 13-0028	SF	Demolish 6" Thick Reinforced Concrete Block Exterior Wall	7.02	
02 41 19 13-0029	SF	Demolish 8" Thick Reinforced Concrete Block Exterior Wall	8.50	
02 41 19 13-0030	SF	Demolish 10" Thick Reinforced Concrete Block Exterior Wall	9.29	
02 41 19 13-0031	SF	Demolish 12" Thick Reinforced Concrete Block Exterior Wall	10.19	
02 41 19 13-0032	SF	Demolish 16" Thick Reinforced Concrete Block Exterior Wall	12.75	
02 41 19 13-0033	SF	Demolish 4" Thick Brick Exterior Wall	5.19	
		For Cleaning and Storage For Reuse, Add		*7.79*
02 41 19 13-0034	SF	Demolish 6" Thick Brick Exterior Wall	5.85	
		For Cleaning and Storage For Reuse, Add		*8.78*
02 41 19 13-0035	SF	Demolish 8" Thick Brick Exterior Wall	7.08	
		For Cleaning and Storage For Reuse, Add		*10.62*
02 41 19 13-0036	SF	Demolish 10" Thick Brick Exterior Wall	7.74	
		For Cleaning and Storage For Reuse, Add		*11.61*
02 41 19 13-0037	SF	Demolish 12" Thick Brick Exterior Wall	8.50	
		For Cleaning and Storage For Reuse, Add		*12.75*
02 41 19 13-0038	SF	Demolish 16" Thick Brick Exterior Wall	10.63	
		For Cleaning and Storage For Reuse, Add		*15.95*
02 41 19 13-0039	CF	Exterior Brick, Concrete Block Or Composite Removal	15.10	
		For Cleaning and Storage For Reuse, Add		*22.65*
		For Reinforcing, Add		*2.27*

02 41 19 13-0040 Lintel Removal *(02 41 19 13-0001)*

Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0041	LF	Demolish Steel Lintel	13.78
02 41 19 13-0042	LF	Demolish Concrete Or Stone Lintel	18.38
02 41 19 13-0043	LF	Demolish Steel Shelf Angle	14.55

02 41 19 13-0044 Reinstall Lintel *(02 41 19 13-0001)*

Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0057 for saw cutting.

02 41 19 13-0045	LF	Clean, Prime And Paint Steel Shelf Angle Or Lintel	7.20
02 41 19 13-0046	LF	Reinstall Existing Concrete Or Stone Lintel	18.38
02 41 19 13-0047	LF	Reinstall Existing Steel Shelf Angle Note: Includes fasteners.	49.96
02 41 19 13-0048	LF	Reinstall Existing Steel Lintel	20.42
02 41 19 13-0049	LF	Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls	83.33
02 41 19 13-0050	LF	Removal And Replacement Of Steel Lintel Over Window Openings	145.10

02 41 19 13-0051 Exterior Concrete Wall Removal *(02 41 19 13)*

02 41 19 13-0052	SF	Demolish 4" Thick Reinforced Concrete Exterior Wall	7.13
02 41 19 13-0053	SF	Demolish 6" Thick Reinforced Concrete Exterior Wall	12.93
02 41 19 13-0054	SF	Demolish 8" Thick Reinforced Concrete Exterior Wall	16.24
02 41 19 13-0055	SF	Demolish 10" Thick Reinforced Concrete Exterior Wall	19.16
02 41 19 13-0056	SF	Demolish 12" Thick Reinforced Concrete Exterior Wall	22.65

02 41 19 13-0057 Saw Cutting *(02 41 19 13)*

Note: Includes blade wear, water, taping off area, layout, cleanup and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0058	EA	Saw Cut Minimum Charge Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,159.08	
02 41 19 13-0059	LF	Bituminous Paving Up To 4" Depth, Saw Cut	2.58	
		For Each Additional Pass (Depth To 3"), Add	*0.99*	
		For >250, Deduct	*-0.24*	
02 41 19 13-0060	LF	Brick Masonry Up To 4" Depth, Saw Cut	9.46	
		For Each Additional Pass (Depth To 3"), Add	*3.73*	
		For >250, Deduct	*-0.93*	
02 41 19 13-0061	LF	Concrete Block Up To 4" Depth, Saw Cut	8.56	
		For Each Additional Pass (Depth To 3"), Add	*3.37*	
		For >250, Deduct	*-0.84*	
02 41 19 13-0062	LF	Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut	2.98	
		For Each Additional Pass (Depth To 3"), Add	*1.13*	
		For >250, Deduct	*-0.28*	
02 41 19 13-0063	LF	Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut	3.91	
		For Each Additional Pass (Depth To 3"), Add	*1.49*	
		For >250, Deduct	*-0.37*	
02 41 19 13-0064	LF	Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut	6.38	
		For Each Additional Pass (Depth To 3"), Add	*2.47*	
		For >250, Deduct	*-0.61*	
02 41 19 13-0065	LF	Plain Concrete Walls Up To 4" Depth, Saw Cut	12.07	
		For Each Additional Pass (Depth To 3"), Add	*4.77*	
		For >250, Deduct	*-1.19*	
02 41 19 13-0066	LF	Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth	16.22	
		For Each Additional Pass (Depth To 3"), Add	*6.41*	
		For >250, Deduct	*-1.60*	
02 41 19 13-0067	LF	Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets	3.24	
		For Each Additional Pass (Depth To 3"), Add	*1.17*	
		For >250, Deduct	*-0.28*	
02 41 19 13-0068	LF	Igneous Stone Pavements Up To 4" Depth, Saw Cut	8.60	
		For Each Additional Pass (Depth To 3"), Add	*3.38*	
		For >250, Deduct	*-0.84*	
02 41 19 13-0069	LF	Sedimentary Stone Pavements Up To 4" Depth, Saw Cut	8.60	
		For Each Additional Pass (Depth To 3"), Add	*3.38*	
		For >250, Deduct	*-0.84*	
02 41 19 13-0070	LF	Metamorphic Stone Pavements Up To 4" Depth, Saw Cut	8.60	
		For Each Additional Pass (Depth To 3"), Add	*3.38*	
		For >250, Deduct	*-0.84*	
02 41 19 13-0071	LF	Terrazzo Stone Pavements Up To 4" Depth, Saw Cut	8.60	
		For Each Additional Pass (Depth To 3"), Add	*3.38*	
		For >250, Deduct	*-0.84*	

02 41 19 13-0072 Torch Cutting *(02 41 19 13)*

Note: Includes grinding edge

02 41 19 13-0073	LF	Up To 1/2", Torch Cut Steel Plate	3.18	
02 41 19 13-0074	LF	>1/2" To 1" Thick, Torch Cut Steel Plate	6.37	
02 41 19 13-0075	LF	>1" To 1-1/2" Thick, Torch Cut Steel Plate	9.55	
02 41 19 13-0076	LF	>1-1/2" To 2" Thick, Torch Cut Steel Plate	12.73	
02 41 19 13-0077	LF	>2" To 2-1/2" Thick, Torch Cut Steel Plate	15.92	
02 41 19 13-0078	LF	>2-1/2" To 3" Thick, Torch Cut Steel Plate	19.10	
02 41 19 13-0079	EA	Torch Cutting Minimum Charge Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,044.70	

02 41 19 13-0080 Drilling In Existing Materials *(02 41 19 13)*

Note: Includes drill bit wear, water, layout, set-up and cleanup.

02 41 19 13-0081 Concrete Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0082 Up To 4" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0083	EA	Drill 1" Diameter Core In Up To 4" Concrete	45.68	
		For Horizontal Cores, Add	*9.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.07*	
02 41 19 13-0084	EA	Drill 1-1/2" Diameter Core In Up To 4" Concrete	50.69	
		For Horizontal Cores, Add	*10.04*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.07*	
02 41 19 13-0085	EA	Drill 2" Diameter Core In Up To 4" Concrete	56.28	
		For Horizontal Cores, Add	*11.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.31*	
02 41 19 13-0086	EA	Drill 3" Diameter Core In Up To 4" Concrete	80.35	
		For Horizontal Cores, Add	*15.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.86*	
02 41 19 13-0087	EA	Drill 4" Diameter Core In Up To 4" Concrete	107.68	
		For Horizontal Cores, Add	*21.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*42.70*	
02 41 19 13-0088	EA	Drill 6" Diameter Core In Up To 4" Concrete	120.67	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.80*	
02 41 19 13-0089	EA	Drill 8" Diameter Core In Up To 4" Concrete	192.80	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0090	EA	Drill 10" Diameter Core In Up To 4" Concrete	241.18	
		For Horizontal Cores, Add	*47.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.60*	
02 41 19 13-0091	EA	Drill 12" Diameter Core In Up To 4" Concrete	281.46	
		For Horizontal Cores, Add	*55.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.54*	
02 41 19 13-0092	EA	Drill 14" Diameter Core In Up To 4" Concrete	321.75	
		For Horizontal Cores, Add	*63.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.45*	
02 41 19 13-0093	EA	Drill 18" Diameter Core In Up To 4" Concrete	362.45	
		For Horizontal Cores, Add	*71.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.38*	
02 41 19 13-0094		**>4" To 6" Thick Concrete Core Drilling** *(02 41 19 13-0081)*		
02 41 19 13-0095	EA	Drill 1" Diameter Core In >4" To 6" Concrete	65.31	
		For Horizontal Cores, Add	*12.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.81*	
02 41 19 13-0096	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete	72.47	
		For Horizontal Cores, Add	*14.34*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.67*	
02 41 19 13-0097	EA	Drill 2" Diameter Core In >4" To 6" Concrete	80.44	
		For Horizontal Cores, Add	*15.93*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.86*	
02 41 19 13-0098	EA	Drill 3" Diameter Core In >4" To 6" Concrete	96.68	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0099	EA	Drill 4" Diameter Core In >4" To 6" Concrete	120.93	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.80*	
02 41 19 13-0100	EA	Drill 6" Diameter Core In >4" To 6" Concrete	161.11	
		For Horizontal Cores, Add	*31.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.73*	
02 41 19 13-0101	EA	Drill 8" Diameter Core In >4" To 6" Concrete	241.42	
		For Horizontal Cores, Add	*47.80*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.60*	
02 41 19 13-0102	EA	Drill 10" Diameter Core In >4" To 6" Concrete	282.11	
		For Horizontal Cores, Add	*55.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*111.54*	
02 41 19 13-0103	EA	Drill 12" Diameter Core In >4" To 6" Concrete	322.55	
		For Horizontal Cores, Add	*63.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.45*	
02 41 19 13-0104	EA	Drill 14" Diameter Core In >4" To 6" Concrete	363.20	
		For Horizontal Cores, Add	*71.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.38*	
02 41 19 13-0105	EA	Drill 18" Diameter Core In >4" To 6" Concrete	404.47	
		For Horizontal Cores, Add	*79.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.32*	
02 41 19 13-0106		**>6" To 8" Thick Concrete Core Drilling** *(02 41 19 13-0081)*		
02 41 19 13-0107	EA	Drill 1" Diameter Core In >6" To 8" Concrete	72.05	
		For Horizontal Cores, Add	*14.20*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.39*	
02 41 19 13-0108	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete	79.94	
		For Horizontal Cores, Add	*15.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*31.55*	
02 41 19 13-0109	EA	Drill 2" Diameter Core In >6" To 8" Concrete	88.70	
		For Horizontal Cores, Add	*17.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.05*	
02 41 19 13-0110	EA	Drill 3" Diameter Core In >6" To 8" Concrete	105.03	
		For Horizontal Cores, Add	*20.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.42*	
02 41 19 13-0111	EA	Drill 4" Diameter Core In >6" To 8" Concrete	137.34	
		For Horizontal Cores, Add	*27.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.17*	
02 41 19 13-0112	EA	Drill 6" Diameter Core In >6" To 8" Concrete	193.58	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	
02 41 19 13-0113	EA	Drill 8" Diameter Core In >6" To 8" Concrete	321.88	
		For Horizontal Cores, Add	*63.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.45*	
02 41 19 13-0114	EA	Drill 10" Diameter Core In >6" To 8" Concrete	362.79	
		For Horizontal Cores, Add	*71.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.38*	
02 41 19 13-0115	EA	Drill 12" Diameter Core In >6" To 8" Concrete	403.52	
		For Horizontal Cores, Add	*79.66*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.32*	
02 41 19 13-0116	EA	Drill 14" Diameter Core In >6" To 8" Concrete	444.47	
		For Horizontal Cores, Add	*87.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*175.22*	
02 41 19 13-0117	EA	Drill 18" Diameter Core In >6" To 8" Concrete	486.32	
		For Horizontal Cores, Add	*95.60*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*191.19*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 41 19 13-0118 >8" To 10" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0119	EA	Drill 1" Diameter Core In >8" To 10" Concrete	85.23	
		For Horizontal Cores, Add	*16.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.55*	
02 41 19 13-0120	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete	94.55	
		For Horizontal Cores, Add	*18.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*37.28*	
02 41 19 13-0121	EA	Drill 2" Diameter Core In >8" To 10" Concrete	104.91	
		For Horizontal Cores, Add	*20.71*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*41.42*	
02 41 19 13-0122	EA	Drill 3" Diameter Core In >8" To 10" Concrete	121.36	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.80*	
02 41 19 13-0123	EA	Drill 4" Diameter Core In >8" To 10" Concrete	137.84	
		For Horizontal Cores, Add	*27.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*54.17*	
02 41 19 13-0124	EA	Drill 6" Diameter Core In >8" To 10" Concrete	194.19	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	
02 41 19 13-0125	EA	Drill 8" Diameter Core In >8" To 10" Concrete	322.70	
		For Horizontal Cores, Add	*63.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.45*	
02 41 19 13-0126	EA	Drill 10" Diameter Core In >8" To 10" Concrete	363.88	
		For Horizontal Cores, Add	*71.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.38*	
02 41 19 13-0127	EA	Drill 12" Diameter Core In >8" To 10" Concrete	404.74	
		For Horizontal Cores, Add	*79.64*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*159.29*	
02 41 19 13-0128	EA	Drill 14" Diameter Core In >8" To 10" Concrete	446.12	
		For Horizontal Cores, Add	*87.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*175.22*	
02 41 19 13-0129	EA	Drill 18" Diameter Core In >8" To 10" Concrete	488.36	
		For Horizontal Cores, Add	*95.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*191.14*	

02 41 19 13-0130 >10" To 12" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0131	EA	Drill 1" Diameter Core In >10" To 12" Concrete	91.97	
		For Horizontal Cores, Add	*18.07*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*36.14*	
02 41 19 13-0132	EA	Drill 1-1/2" Diameter Core In >10" To 12" Concrete	102.01	
		For Horizontal Cores, Add	*20.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*40.15*	
02 41 19 13-0133	EA	Drill 2" Diameter Core In >10" To 12" Concrete	113.16	
		For Horizontal Cores, Add	*22.31*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*44.61*	
02 41 19 13-0134	EA	Drill 3" Diameter Core In >10" To 12" Concrete	121.75	
		For Horizontal Cores, Add	*23.90*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*47.80*	
02 41 19 13-0135	EA	Drill 4" Diameter Core In >10" To 12" Concrete	162.25	
		For Horizontal Cores, Add	*31.87*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*63.73*	
02 41 19 13-0136	EA	Drill 6" Diameter Core In >10" To 12" Concrete	210.73	
		For Horizontal Cores, Add	*41.43*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*82.86*	
02 41 19 13-0137	EA	Drill 8" Diameter Core In >10" To 12" Concrete	339.47	
		For Horizontal Cores, Add	*66.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*133.83*	
02 41 19 13-0138	EA	Drill 10" Diameter Core In >10" To 12" Concrete	364.96	
		For Horizontal Cores, Add	*71.69*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*143.38*	
02 41 19 13-0139	EA	Drill 12" Diameter Core In >10" To 12" Concrete	422.10	
		For Horizontal Cores, Add	*82.86*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*165.71*	

02 41 19 13-0140 >12" Thick Concrete Core Drilling *(02 41 19 13-0081)*

02 41 19 13-0141	IN	Drill 1" Diameter Core In >12" Concrete	11.18	
		For Horizontal Cores, Add	*2.21*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.42*	
02 41 19 13-0142	IN	Drill 1-1/2" Diameter Core In >12" Concrete	12.42	
		For Horizontal Cores, Add	*2.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.91*	
02 41 19 13-0143	IN	Drill 2" Diameter Core In >12" Concrete	13.77	
		For Horizontal Cores, Add	*2.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.45*	
02 41 19 13-0144	IN	Drill 3" Diameter Core In >12" Concrete	15.12	
		For Horizontal Cores, Add	*2.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*5.97*	
02 41 19 13-0145	IN	Drill 4" Diameter Core In >12" Concrete	20.15	
		For Horizontal Cores, Add	*3.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*7.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0146	IN	Drill 6" Diameter Core In >12" Concrete	26.21	
		For Horizontal Cores, Add	*5.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*10.36*	
02 41 19 13-0147	IN	Drill 8" Diameter Core In >12" Concrete	42.27	
		For Horizontal Cores, Add	*8.37*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.74*	
02 41 19 13-0148	IN	Drill 10" Diameter Core In >12" Concrete	45.53	
		For Horizontal Cores, Add	*9.00*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*18.00*	
02 41 19 13-0149	IN	Drill 12" Diameter Core In >12" Concrete	52.46	
		For Horizontal Cores, Add	*10.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.72*	
02 41 19 13-0150		Brick/Concrete Block Core Drilling *(02 41 19 13-0080)*		
02 41 19 13-0151		Up To 4" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*		
02 41 19 13-0152	EA	Drill 1" Diameter Core In Up To 4" Brick/Concrete Block	36.65	
		For Horizontal Cores, Add	*7.23*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.46*	
02 41 19 13-0153	EA	Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block	40.65	
		For Horizontal Cores, Add	*8.03*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.06*	
02 41 19 13-0154	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	45.12	
		For Horizontal Cores, Add	*8.92*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*17.84*	
02 41 19 13-0155	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	64.42	
		For Horizontal Cores, Add	*12.75*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.49*	
02 41 19 13-0156	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	86.33	
		For Horizontal Cores, Add	*17.08*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*34.16*	
02 41 19 13-0157	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	96.77	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0158	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	154.56	
		For Horizontal Cores, Add	*30.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.18*	
02 41 19 13-0159	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	193.38	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	
02 41 19 13-0160	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	225.69	
		For Horizontal Cores, Add	*44.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*89.23*	
02 41 19 13-0161	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	258.02	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0162	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	290.77	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0163		>4" To 6" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*		
02 41 19 13-0164	EA	Drill 1" Diameter Core In >4" To 6" Brick/Concrete Block	52.41	
		For Horizontal Cores, Add	*10.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.65*	
02 41 19 13-0165	EA	Drill 1-1/2" Diameter Core In >4" To 6" Brick/Concrete Block	58.13	
		For Horizontal Cores, Add	*11.47*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.94*	
02 41 19 13-0166	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	64.50	
		For Horizontal Cores, Add	*12.74*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.48*	
02 41 19 13-0167	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	77.55	
		For Horizontal Cores, Add	*15.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*30.59*	
02 41 19 13-0168	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	97.03	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0169	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	129.24	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0170	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	193.62	
		For Horizontal Cores, Add	*38.24*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*76.48*	
02 41 19 13-0171	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	226.34	
		For Horizontal Cores, Add	*44.61*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*89.23*	
02 41 19 13-0172	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	258.82	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0173	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	291.52	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0174	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	324.81	
		For Horizontal Cores, Add	*63.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.46*	

02 41 19 13-0175 >6" To 8" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0176	EA	Drill 1" Diameter Core In >6" To 8" Brick/Concrete Block	57.86	
		For Horizontal Cores, Add	*11.36*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*22.72*	
02 41 19 13-0177	EA	Drill 1-1/2" Diameter Core In >6" To 8" Brick/Concrete Block	64.16	
		For Horizontal Cores, Add	*12.62*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*25.24*	
02 41 19 13-0178	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	71.17	
		For Horizontal Cores, Add	*14.02*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.04*	
02 41 19 13-0179	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	84.33	
		For Horizontal Cores, Add	*16.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.14*	
02 41 19 13-0180	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	110.26	
		For Horizontal Cores, Add	*21.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.34*	
02 41 19 13-0181	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	155.34	
		For Horizontal Cores, Add	*30.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.18*	
02 41 19 13-0182	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	258.15	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0183	EA	Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	291.11	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0184	EA	Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	323.86	
		For Horizontal Cores, Add	*63.73*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.46*	
02 41 19 13-0185	EA	Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	356.86	
		For Horizontal Cores, Add	*70.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*140.18*	
02 41 19 13-0186	EA	Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	390.72	
		For Horizontal Cores, Add	*76.48*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.95*	

02 41 19 13-0187 >8" To 10" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0188	EA	Drill 1" Diameter Core In >8" To 10" Brick/Concrete Block	68.46	
		For Horizontal Cores, Add	*13.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*26.84*	
02 41 19 13-0189	EA	Drill 1-1/2" Diameter Core In >8" To 10" Brick/Concrete Block	75.91	
		For Horizontal Cores, Add	*14.91*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*29.82*	
02 41 19 13-0190	EA	Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	84.19	
		For Horizontal Cores, Add	*16.57*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*33.14*	
02 41 19 13-0191	EA	Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	97.46	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0192	EA	Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	110.76	
		For Horizontal Cores, Add	*21.67*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*43.34*	
02 41 19 13-0193	EA	Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	155.95	
		For Horizontal Cores, Add	*30.59*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*61.18*	
02 41 19 13-0194	EA	Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	258.97	
		For Horizontal Cores, Add	*50.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*101.96*	
02 41 19 13-0195	EA	Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	292.20	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0196	EA	Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	325.10	
		For Horizontal Cores, Add	*63.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*127.43*	
02 41 19 13-0197	EA	Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	358.51	
		For Horizontal Cores, Add	*70.09*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*140.18*	
02 41 19 13-0198	EA	Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	392.80	
		For Horizontal Cores, Add	*76.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*152.92*	

02 41 19 13-0199 >10" To 12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0200	EA	Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	73.90	
		For Horizontal Cores, Add	*14.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*28.91*	
02 41 19 13-0201	EA	Drill 1-1/2" Diameter Core In >10" To 12" Brick/Concrete Block	81.93	
		For Horizontal Cores, Add	*16.06*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*32.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0202	EA	Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	90.86	
		For Horizontal Cores, Add	*17.85*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*35.69*	
02 41 19 13-0203	EA	Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	97.85	
		For Horizontal Cores, Add	*19.12*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*38.24*	
02 41 19 13-0204	EA	Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	130.38	
		For Horizontal Cores, Add	*25.49*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*50.98*	
02 41 19 13-0205	EA	Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	169.30	
		For Horizontal Cores, Add	*33.14*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*66.28*	
02 41 19 13-0206	EA	Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	272.55	
		For Horizontal Cores, Add	*53.53*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*107.06*	
02 41 19 13-0207	EA	Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	293.28	
		For Horizontal Cores, Add	*57.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*114.70*	
02 41 19 13-0208	EA	Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	339.24	
		For Horizontal Cores, Add	*66.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*132.57*	

02 41 19 13-0209 >12" Thick Brick/Concrete Block Core Drilling *(02 41 19 13-0150)*

02 41 19 13-0210	IN	Drill 1" Diameter Core In >12" Brick/Concrete Block	8.97	
		For Horizontal Cores, Add	*1.77*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.53*	
02 41 19 13-0211	IN	Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	9.96	
		For Horizontal Cores, Add	*1.96*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*3.93*	
02 41 19 13-0212	IN	Drill 2" Diameter Core In >12" Brick/Concrete Block	11.05	
		For Horizontal Cores, Add	*2.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.36*	
02 41 19 13-0213	IN	Drill 3" Diameter Core In >12" Brick/Concrete Block	12.13	
		For Horizontal Cores, Add	*2.39*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*4.78*	
02 41 19 13-0214	IN	Drill 4" Diameter Core In >12" Brick/Concrete Block	16.17	
		For Horizontal Cores, Add	*3.19*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*6.37*	
02 41 19 13-0215	IN	Drill 6" Diameter Core In >12" Brick/Concrete Block	21.03	
		For Horizontal Cores, Add	*4.15*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*8.29*	
02 41 19 13-0216	IN	Drill 8" Diameter Core In >12" Brick/Concrete Block	33.89	
		For Horizontal Cores, Add	*6.70*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*13.39*	
02 41 19 13-0217	IN	Drill 10" Diameter Core In >12" Brick/Concrete Block	36.53	
		For Horizontal Cores, Add	*7.20*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*14.40*	
02 41 19 13-0218	IN	Drill 12" Diameter Core In >12" Brick/Concrete Block	42.10	
		For Horizontal Cores, Add	*8.29*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*16.58*	

02 41 19 13-0219 Asphalt Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0220 Up To 2" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0221	EA	Drill 1" Diameter Core In Up To 2" Asphalt	21.92
02 41 19 13-0222	EA	Drill 1-1/2" Diameter Core In Up To 2" Asphalt	27.40
02 41 19 13-0223	EA	Drill 2" Diameter Core In Up To 2" Asphalt	34.24
02 41 19 13-0224	EA	Drill 3" Diameter Core In Up To 2" Asphalt	42.49
02 41 19 13-0225	EA	Drill 4" Diameter Core In Up To 2" Asphalt	53.46
02 41 19 13-0226	EA	Drill 6" Diameter Core In Up To 2" Asphalt	67.17
02 41 19 13-0227	EA	Drill 8" Diameter Core In Up To 2" Asphalt	83.67
02 41 19 13-0228	EA	Drill 10" Diameter Core In Up To 2" Asphalt	104.19
02 41 19 13-0229	EA	Drill 12" Diameter Core In Up To 2" Asphalt	130.20

02 41 19 13-0230 >2" To 3" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0231	EA	Drill 1" Diameter Core In >2" To 3" Asphalt	27.39
02 41 19 13-0232	EA	Drill 1-1/2" Diameter Core In >2" To 3" Asphalt	35.60
02 41 19 13-0233	EA	Drill 2" Diameter Core In >2" To 3" Asphalt	43.82
02 41 19 13-0234	EA	Drill 3" Diameter Core In >2" To 3" Asphalt	54.79
02 41 19 13-0235	EA	Drill 4" Diameter Core In >2" To 3" Asphalt	68.50
02 41 19 13-0236	EA	Drill 6" Diameter Core In >2" To 3" Asphalt	86.31
02 41 19 13-0237	EA	Drill 8" Diameter Core In >2" To 3" Asphalt	106.91
02 41 19 13-0238	EA	Drill 10" Diameter Core In >2" To 3" Asphalt	134.27
02 41 19 13-0239	EA	Drill 12" Diameter Core In >2" To 3" Asphalt	167.13

02 41 19 13-0240 >3" To 4" Thick Asphalt Core Drilling *(02 41 19 13-0219)*

02 41 19 13-0241	EA	Drill 1" Diameter Core In >3" To 4" Asphalt	35.61
02 41 19 13-0242	EA	Drill 1-1/2" Diameter Core In >3" To 4" Asphalt	45.21
02 41 19 13-0243	EA	Drill 2" Diameter Core In >3" To 4" Asphalt	56.16

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0244	EA	Drill 3" Diameter Core In >3" To 4" Asphalt	69.89	
02 41 19 13-0245	EA	Drill 4" Diameter Core In >3" To 4" Asphalt	87.73	
02 41 19 13-0246	EA	Drill 6" Diameter Core In >3" To 4" Asphalt	109.66	
02 41 19 13-0247	EA	Drill 8" Diameter Core In >3" To 4" Asphalt	137.16	
02 41 19 13-0248	EA	Drill 10" Diameter Core In >3" To 4" Asphalt	171.37	
02 41 19 13-0249	EA	Drill 12 Diameter Core In >3" To 4" Asphalt	213.82	
02 41 19 13-0250		>4" To 6" Thick Asphalt Core Drilling *(02 41 19 13-0219)*		
02 41 19 13-0251	EA	Drill 1" Diameter Core In >4" To 6" Asphalt	46.61	
02 41 19 13-0252	EA	Drill 1-1/2" Diameter Core In >4" To 6" Asphalt	57.59	
02 41 19 13-0253	EA	Drill 2" Diameter Core In >4" To 6" Asphalt	71.29	
02 41 19 13-0254	EA	Drill 3" Diameter Core In >4" To 6" Asphalt	90.54	
02 41 19 13-0255	EA	Drill 4" Diameter Core In >4" To 6" Asphalt	112.51	
02 41 19 13-0256	EA	Drill 6" Diameter Core In >4" To 6" Asphalt	139.97	
02 41 19 13-0257	EA	Drill 8" Diameter Core In >4" To 6" Asphalt	175.74	
02 41 19 13-0258	EA	Drill 10" Diameter Core In >4" To 6" Asphalt	219.56	
02 41 19 13-0259	EA	Drill 12" Diameter Core In >4" To 6" Asphalt	274.38	
02 41 19 13-0260		Manhole Core Drilling *(02 41 19 13-0080)*		
02 41 19 13-0261	EA	Drill 4" Diameter Core In 6" Brick Manhole	239.95	
02 41 19 13-0262	EA	Drill 5" Diameter Core In 6" Brick Manhole	274.22	
02 41 19 13-0263	EA	Drill 6" Diameter Core In 6" Brick Manhole	319.82	
02 41 19 13-0264	EA	Drill 8" Diameter Core In 6" Brick Manhole	479.60	
02 41 19 13-0265	EA	Drill 2" Diameter Core In 8" Concrete Manhole	321.50	
02 41 19 13-0266	EA	Drill 3" Diameter Core In 8" Concrete Manhole	342.35	
02 41 19 13-0267	EA	Drill 4" Diameter Core In 8" Concrete Manhole	376.89	
02 41 19 13-0268	EA	Drill 5" Diameter Core In 8" Concrete Manhole	404.38	
02 41 19 13-0269	EA	Drill 6" Diameter Core In 8" Concrete Manhole	479.61	
02 41 19 13-0270	EA	Drill 8" Diameter Core In 8" Concrete Manhole	685.01	
02 41 19 13-0271	EA	Drill 2" Diameter Core In Fiberglass Manhole	31.89	
02 41 19 13-0272	EA	Drill 3" Diameter Core In Fiberglass Manhole	36.81	
02 41 19 13-0273	EA	Drill 4" Diameter Core In Fiberglass Manhole	39.88	
02 41 19 13-0274	EA	Drill 5" Diameter Core In Fiberglass Manhole	43.52	
02 41 19 13-0275	EA	Drill 6" Diameter Core In Fiberglass Manhole	47.86	
02 41 19 13-0276	EA	Drill 8" Diameter Core In Fiberglass Manhole	53.19	
02 41 19 13-0277		Drilling In Concrete Per Inch Of Depth *(02 41 19 13-0080)* Note: Includes layout.		
02 41 19 13-0278	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth	2.22	
02 41 19 13-0279	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth	2.36	
02 41 19 13-0280	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth	2.49	
02 41 19 13-0281	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth	2.68	
02 41 19 13-0282	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth	2.84	
02 41 19 13-0283	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth	3.13	
02 41 19 13-0284	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth	3.38	
02 41 19 13-0285	IN	1" Diameter Drilling In Concrete Per Inch Of Depth	3.55	
02 41 19 13-0286	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth	4.18	
02 41 19 13-0287	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth	3.93	
02 41 19 13-0288	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth	4.18	
02 41 19 13-0289	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth	4.45	
02 41 19 13-0290	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth	4.93	
02 41 19 13-0291	IN	2" Diameter Drilling In Concrete Per Inch Of Depth	5.74	
02 41 19 13-0292		Drilling In Brick/Concrete Block Per Inch Of Depth *(02 41 19 13-0080)* Note: Includes layout.		
02 41 19 13-0293	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.86	
02 41 19 13-0294	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	1.97	
02 41 19 13-0295	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.08	
02 41 19 13-0296	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.22	
02 41 19 13-0297	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.37	
02 41 19 13-0298	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.60	
02 41 19 13-0299	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.82	
02 41 19 13-0300	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	2.96	
02 41 19 13-0301	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.13	
02 41 19 13-0302	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.27	
02 41 19 13-0303	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.50	
02 41 19 13-0304	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	3.71	
02 41 19 13-0305	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.13	
02 41 19 13-0306	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth	4.79	
02 41 19 13-0307		Drilling In Wood Or Plastic Per Inch Of Depth *(02 41 19 13-0080)* Note: Includes layout.		
02 41 19 13-0308	IN	1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.92	
02 41 19 13-0309	IN	5/16" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	0.98	
02 41 19 13-0310	IN	3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.04	
02 41 19 13-0311	IN	1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0312	IN	5/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.18	
02 41 19 13-0313	IN	3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.30	
02 41 19 13-0314	IN	7/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.40	
02 41 19 13-0315	IN	1" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.48	
02 41 19 13-0316	IN	1-1/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.55	
02 41 19 13-0317	IN	1-1/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.63	
02 41 19 13-0318	IN	1-3/8" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.73	
02 41 19 13-0319	IN	1-1/2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	1.85	
02 41 19 13-0320	IN	1-3/4" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.06	
02 41 19 13-0321	IN	2" Diameter Drilling In Wood Or Plastic Per Inch Of Depth	2.39	

02 41 19 13-0322 Limestone Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0323 10" To 14" Thick Limestone Core Drilling *(02 41 19 13-0322)*

02 41 19 13-0324	EA	Drill 1" Diameter Core In 10" To 14" Limestone	68.85	
02 41 19 13-0325	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone	82.69	
02 41 19 13-0326	EA	Drill 2" Diameter Core In 10" To 14" Limestone	89.70	
02 41 19 13-0327	EA	Drill 3" Diameter Core In 10" To 14" Limestone	103.75	
02 41 19 13-0328	EA	Drill 4" Diameter Core In 10" To 14" Limestone	117.82	
02 41 19 13-0329	EA	Drill 6" Diameter Core In 10" To 14" Limestone	166.01	
02 41 19 13-0330	EA	Drill 8" Diameter Core In 10" To 14" Limestone	275.96	

02 41 19 13-0331 15" To 18" Thick Limestone Core Drilling *(02 41 19 13-0322)*

02 41 19 13-0332	EA	Drill 1" Diameter Core In 15" To 18" Limestone	75.81	
02 41 19 13-0333	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone	89.68	
02 41 19 13-0334	EA	Drill 2" Diameter Core In 15" To 18" Limestone	96.74	
02 41 19 13-0335	EA	Drill 3" Diameter Core In 15" To 18" Limestone	104.06	
02 41 19 13-0336	EA	Drill 4" Diameter Core In 15" To 18" Limestone	138.70	
02 41 19 13-0337	EA	Drill 6" Diameter Core In 15" To 18" Limestone	180.11	
02 41 19 13-0338	EA	Drill 8" Diameter Core In 15" To 18" Limestone	290.38	

02 41 19 13-0339 19" To 24" Thick Limestone Core Drilling *(02 41 19 13-0322)*

02 41 19 13-0340	EA	Drill 1" Diameter Core In 19" To 24" Limestone	82.74	
02 41 19 13-0341	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone	96.66	
02 41 19 13-0342	EA	Drill 2" Diameter Core In 19" To 24" Limestone	103.76	
02 41 19 13-0343	EA	Drill 3" Diameter Core In 19" To 24" Limestone	117.95	
02 41 19 13-0344	EA	Drill 4" Diameter Core In 19" To 24" Limestone	166.31	
02 41 19 13-0345	EA	Drill 6" Diameter Core In 19" To 24" Limestone	207.83	
02 41 19 13-0346	EA	Drill 8" Diameter Core In 19" To 24" Limestone	311.60	

02 41 19 13-0347 Minimum Charge For Core Drilling *(02 41 19 13-0080)*

02 41 19 13-0348	EA	Core Drill Minimum Charge Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".	932.89	

02 41 19 13-0349 Cutouts *(02 41 19 13)*

Note: Includes saw cutting and removal of material. Not to be used for openings greater than 24 SF.

02 41 19 13-0350 Reinforced Concrete Slab On Grade Cutouts *(02 41 19 13-0349)*

02 41 19 13-0351	SF	4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	52.34	
02 41 19 13-0352	SF	6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	55.51	
02 41 19 13-0353	SF	8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	58.69	
02 41 19 13-0354	SF	10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	61.86	
02 41 19 13-0355	SF	12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF	63.44	

02 41 19 13-0356 Reinforced Concrete Elevated Slab Cutouts *(02 41 19 13-0349)*

Note: Includes cutting and removing steel decking.

02 41 19 13-0357	SF	4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	63.79	
02 41 19 13-0358	SF	6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	67.66	
02 41 19 13-0359	SF	8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	71.53	
02 41 19 13-0360	SF	10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	75.39	
02 41 19 13-0361	SF	12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF	77.32	

02 41 19 13-0362 Reinforced Concrete Wall Cutouts *(02 41 19 13-0349)*

02 41 19 13-0363	SF	4" Thick Reinforced Concrete Wall Cutouts, <24 SF	65.43	
02 41 19 13-0364	SF	6" Thick Reinforced Concrete Wall Cutouts, <24 SF	69.39	
02 41 19 13-0365	SF	8" Thick Reinforced Concrete Wall Cutouts, <24 SF	73.36	
02 41 19 13-0366	SF	10" Thick Reinforced Concrete Wall Cutouts, <24 SF	77.32	
02 41 19 13-0367	SF	12" Thick Reinforced Concrete Wall Cutouts, <24 SF	79.31	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0368		**Brick Wall Cutouts** *(02 41 19 13-0349)* Note: Excludes toothing.		
02 41 19 13-0369	SF	4" Thick Brick Wall Cutouts, <24 SF	19.82	
02 41 19 13-0370	SF	6" Thick Brick Wall Cutouts, <24 SF	32.71	
02 41 19 13-0371	SF	8" Thick Brick Wall Cutouts, <24 SF	45.56	
02 41 19 13-0372	SF	10" Thick Brick Wall Cutouts, <24 SF	55.51	
02 41 19 13-0373	SF	12" Thick Brick Wall Cutouts, <24 SF	66.42	
02 41 19 13-0374	SF	16" Thick Brick Wall Cutouts, <24 SF	78.32	
02 41 19 13-0375		**Concrete Block Wall Cutouts** *(02 41 19 13-0349)* Note: Excludes toothing.		
02 41 19 13-0376	SF	4" Thick Concrete Block Wall Cutouts, <24 SF	32.80	
02 41 19 13-0377	SF	6" Thick Concrete Block Wall Cutouts, <24 SF	34.73	
02 41 19 13-0378	SF	8" Thick Concrete Block Wall Cutouts, <24 SF	36.68	
02 41 19 13-0379	SF	10" Thick Concrete Block Wall Cutouts, <24 SF	38.66	
02 41 19 13-0380	SF	12" Thick Concrete Block Wall Cutouts, <24 SF	39.65	
02 41 19 13-0381	SF	16" Thick Concrete Block Wall Cutouts, <24 SF	41.64	
02 41 19 13-0382		**Limestone Cutouts** *(02 41 19 13-0349)*		
02 41 19 13-0383	SF	2" Thick Limestone Cutouts, <24 SF	55.51	
02 41 19 13-0384	SF	4" Thick Limestone Cutouts, <24 SF	67.41	
02 41 19 13-0385	SF	6" Thick Limestone Cutouts, <24 SF	71.37	
02 41 19 13-0386	SF	8" Thick Limestone Cutouts, <24 SF	75.34	
02 41 19 13-0387	SF	10" Thick Limestone Cutouts, <24 SF	79.31	
02 41 19 13-0388	SF	12" Thick Limestone Cutouts, <24 SF	83.27	
02 41 19 13-0389		**Toothing Masonry Cutouts** *(02 41 19 13-0349)* Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.		
02 41 19 13-0390	VLF	Brick, Soft Old Mortar, Toothing Masonry Cutouts	19.82	
02 41 19 13-0391	VLF	Brick, Hard Mortar, Toothing Masonry Cutouts	26.77	
02 41 19 13-0392	VLF	Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts	11.90	
02 41 19 13-0393	VLF	Concrete Block, Hard Mortar, Toothing Masonry Cutouts	15.86	
02 41 19 13-0394		**Minimum Charge For Cutouts** *(02 41 19 13-0349)* Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0395	EA	Cutouts Minimum Charge	396.53	
02 41 19 13-0396		**Elevated Concrete Removal** *(02 41 19 13)*		
02 41 19 13-0397	CF	Elevated Concrete Beam/Slab/Steps Removal, Reinforced	13.29	
02 41 19 16		**Selective Interior Demolition** *(02 41 19)* Note: Includes HEPA vacuum for dust control, break-up of material, loading into truck or dumpster and cleanup. Excludes temporary plastic barrier See CSI section 01 56 16 00-0000 for temporary dust barrier.		
02 41 19 16-0001		**Floor Removal** *(02 41 19 16)*		
02 41 19 16-0002		**Scarify Concrete** *(02 41 19 16-0001)* Note: Up to 1/4" removal per pass.		
02 41 19 16-0003	SF	Scarify Concrete Floor	0.33	
02 41 19 16-0004	SF	Scarify Concrete Tread And Riser	2.79	
02 41 19 16-0005	SF	Scarify Concrete Wall	2.54	
02 41 19 16-0006		**Fireproofing Removal** *(02 41 19 16)*		
02 41 19 16-0007	SF	Removal Of Fireproofing From Concrete Or Steel	1.32	
02 41 19 16-0008		**Demolish Ceiling** *(02 41 19 16)*		
02 41 19 16-0009	SF	Demolish Drywall Ceiling	1.01	
02 41 19 16-0010	SF	Demolish Furred Plastered Ceiling	2.36	
02 41 19 16-0011	SF	Demolish Suspended Plastered Ceiling And Suspension System	1.81	
02 41 19 16-0012		**Demolish Concrete Stair** *(02 41 19 16)*		
02 41 19 16-0013	CF	Demolish Interior Reinforced Concrete Stairs	8.50	
02 41 19 16-0014	CF	Demolish Exterior Reinforced Concrete Stairs	7.43	
02 41 19 16-0015		**Demolish Interior Partition/Wall** *(02 41 19 16)* Note: Price includes knock down, loading, cleanup.		
02 41 19 16-0016		**Demolish Masonry And Concrete Interior Partition/Walls** *(02 41 19 16-0015)* Note: Includes saw cutting, knock down, loading and cleanup.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 16-0017		Demolish Concrete Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0018	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.51
02 41 19 16-0019	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall		5.87
02 41 19 16-0020	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall		6.62
02 41 19 16-0021	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall		8.51
02 41 19 16-0022	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall		10.63
02 41 19 16-0023	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall		6.60
02 41 19 16-0024	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall		7.05
02 41 19 16-0025	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall		7.96
02 41 19 16-0026	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall		10.20
02 41 19 16-0027	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall		12.75
02 41 19 16-0028		Demolish Brick Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0029	SF	Demolish 4" Thick Brick Interior Partition/Wall		5.51
02 41 19 16-0030	SF	Demolish 8" Thick Brick Interior Partition/Wall		6.62
02 41 19 16-0031	SF	Demolish 12" Thick Brick Interior Partition/Wall		8.50
02 41 19 16-0032	SF	Demolish 16" Thick Brick Interior Partition/Wall		10.63
02 41 19 16-0033		Demolish Glass Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0034	SF	Demolish Glass Block Interior Partition/Walls		4.72
02 41 19 16-0035		Demolish Concrete Interior Partition/Walls *(02 41 19 16-0016)*		
		See CSI section 02 41 16 13-0024 for concrete foundation demolition.		
02 41 19 16-0036	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall		10.01
02 41 19 16-0037	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall		12.51
02 41 19 16-0038	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall		17.51
02 41 19 16-0039	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall		12.01
02 41 19 16-0040	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall		15.10
02 41 19 16-0041	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall		21.01
02 41 19 16-0042		Demolish Terra-Cotta Block Interior Partition/Walls *(02 41 19 16-0016)*		
02 41 19 16-0043	SF	Demolish Up To 6" Thick Terra-Cotta Block Interior Partition/Wall Finished With Plaster		1.89
02 41 19 16-0044		Demolish Stud Framed Interior Partition/Walls *(02 41 19 16-0015)*		
		Note: Includes knock down, loading and cleanup. Includes demo of insulation if required.		
02 41 19 16-0045	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side		3.34
		For Heights >14' To 20', Add	*0.50*	
		For Heights >20', Add	*0.67*	
02 41 19 16-0046	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides		3.89
		For Heights >14' To 20', Add	*0.58*	
		For Heights >20', Add	*0.78*	
02 41 19 16-0047	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side		4.27
		For Heights >14' To 20', Add	*0.64*	
		For Heights >20', Add	*0.85*	
02 41 19 16-0048	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides		5.94
		For Heights >14' To 20', Add	*0.89*	
		For Heights >20', Add	*1.19*	
02 41 19 16-0049	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall		1.76
		For Heights >14' To 20', Add	*0.26*	
		For Heights >20', Add	*0.35*	
02 41 19 16-0050	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall		2.10
		For Heights >14' To 20', Add	*0.32*	
		For Heights >20', Add	*0.42*	

02 42 Removal and Salvage of Construction Materials *(02 40)*

02 42 21 Salvage of Construction Materials *(02 42)*

Note: Includes placement on pallets and storage on site.

02 42 21 35 Roofing Salvage *(02 42 21)*

02 42 21 35-0001		Clay Tile Roofing Remove And Salvage For Re-use *(02 42 21 35)*		
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use		307.64

02 42 21 47 Flooring Salvage *(02 42 21)*

02 42 21 47-0001		Flooring Remove And Salvage For Re-Use *(02 42 21 47)*		
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.		
02 42 21 47-0002	SF	Removal Of Brick Flooring And Salvage		2.80
02 42 21 47-0003	SF	Removal Of Ceramic/Quarry Tile Floor And Salvage		2.80
02 42 21 47-0004	SF	Removal Of Terrazzo Flooring And Salvage		3.87
02 42 21 47-0005	SF	Removal Of Wood Strip Flooring And Salvage		2.26
02 42 21 47-0006	SF	Removal Of Wood Parquet Flooring And Salvage		1.19
02 42 21 47-0007	SF	Removal Of Resilient/Linoleum Flooring And Salvage		0.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

02 43 Structure Moving *(02 40)*

02 43 13 Structure Relocation *(02 43)*

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

02 43 13 13 Building Relocation *(02 43 13)*

02 43 13 13-0001 Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete *(02 43 13 13)*

Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.

02 43 13 13-0002	SF	Up To 800 SF, Move Relocatable Metal Frame Building	37.83	
02 43 13 13-0003	SF	>800 To 920 SF, Move Relocatable Metal Frame Building	35.76	
02 43 13 13-0004	SF	>920 SF, Move Relocatable Metal Frame Building	33.47	
02 43 13 13-0005	SF	Up To 800 SF, Move Relocatable Wood Frame Building	30.36	
02 43 13 13-0006	SF	>800 To 920 SF, Move Relocatable Wood Frame Building	28.38	
02 43 13 13-0007	SF	>920 SF, Move Relocatable Wood Frame Building	25.10	
02 43 13 13-0008	SF	Up To 800 SF, Move Relocatable Wood/Metal Frame Building	36.77	
02 43 13 13-0009	SF	>800 To 920 SF, Move Relocatable Wood/Metal Frame Building	33.47	
02 43 13 13-0010	SF	>920 SF, Move Relocatable Wood/Metal Frame Building	28.38	

02 50 Site Remediation *(02)*

02 58 Snow Control *(02 50)*

02 58 13 Snow Fencing *(02 58)*

02 58 13 00-0001 Snow/Sand Fence On Steel Posts *(02 58 13)*

02 58 13 00-0002	LF	Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence	8.06	2.23

02 60 Contaminated Site Material Removal *(02)*

02 61 Removal and Disposal of Contaminated Soils *(02 60)*

02 61 13 Excavation and Handling of Contaminated Material *(02 61)*

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001 Excavation Of Non-Petroleum Contaminated Soil *(02 61 13)*

See CSI section 02 65 00 00-0001 for testing, 02 65 00 00-0006 for testing, 31 23 16 00-0000 for excavation of non-contaminated soil, 31 23 16 33-0019 for loading non-petroleum contaminated material onto trucks for removal.

02 61 13 00-0002 Excavate Non-Petroleum Contaminated Soil *(02 61 13 00-0001)*

02 61 13 00-0003	CY	Excavate Non-Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	9.70	
02 61 13 00-0004	CY	Load Excavated Non-Petroleum Contaminated Soil	8.41	
02 61 13 00-0005	CY	Disposal Fees Of Non-Petroleum Contaminated Soil	45.61	

02 61 13 00-0006 Excavate Petroleum Contaminated Soil *(02 61 13)*

02 61 13 00-0007	CY	Excavate Petroleum Contaminated Soil Note: Includes excavation, making a determination if the soil is reusable or contaminated, and stockpiling as per determination.	14.55	
02 61 13 00-0008	CY	Load Excavated Petroleum Contaminated Soil	8.41	
02 61 13 00-0009	CY	Disposal Fees Of Petroleum Contaminated Soil	73.08	

02 61 13 00-0010 Accessories For Contaminated Soil Stockpile *(02 61 13)*

See CSI section 31 25 14 23-0001 for sand bags.

02 61 13 00-0011	SF	30 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	1.57	
02 61 13 00-0012	SF	10 Mil Liner For Contaminated Soil Storage Note: 9.93 SF of liner per 1 ton of petroleum contaminated soil.	0.93	

02 61 26 Removal and Disposal of Asbestos Contaminated Soils *(02 61)*

Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 61 26 00-0001		**Removal and Disposal of Asbestos Contaminated Soils** *(02 61 26)* Note: Includes materials, equipment, mobilization, preparation, signage, removal, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of CF for a quantity of less than 10 CF, followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.		
02 61 26 00-0002	EA	Up To 10 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	1,235.96	
		For Work In Restricted Working Space, Add	*370.79*	
02 61 26 00-0003	CF	>10 To 100 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	81.93	
		For Work In Restricted Working Space, Add	*24.58*	
02 61 26 00-0004	CF	>100 To 250 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	54.62	
		For Work In Restricted Working Space, Add	*16.39*	
02 61 26 00-0005	CF	>250 To 500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	41.02	
		For Work In Restricted Working Space, Add	*12.31*	
02 61 26 00-0006	CF	>500 To 2,500 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	32.77	
		For Work In Restricted Working Space, Add	*9.83*	
02 61 26 00-0007	CF	>2,500 To 10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	27.85	
		For Work In Restricted Working Space, Add	*8.36*	
02 61 26 00-0008	CF	>10,000 CF, Asbestos Contaminated Soil, Asbestos Abatement And Disposal	25.07	
		For Work In Restricted Working Space, Add	*7.52*	

02 65 Underground Storage Tank Removal *(02 60)*

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0048 for hauling, 31 20 00 00-0000 for non-contaminated soil excavation, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001		**Monitoring, Sampling, Testing And Analysis** *(02 65)*		
02 65 00 00-0002		**Field Samples For Testing Underground Storage Tank** *(02 65 00 00-0001)*		
02 65 00 00-0003	EA	Collection Of Sludge Sample For Underground Storage Tank	24.34	
02 65 00 00-0004	EA	Collection Of Pumpable Liquids Sample For Underground Storage Tank	24.34	
02 65 00 00-0005	EA	Collection Of Contaminated Soil Sample	24.34	
02 65 00 00-0006		**Lab Tests For Underground Storage Tank Removal** *(02 65 00 00-0001)* Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.		
02 65 00 00-0007	EA	Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	208.77	
02 65 00 00-0008	EA	Flashpoint, Lab Test Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	81.19	
02 65 00 00-0009	EA	TOX 9020, Lab Test Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	195.30	
02 65 00 00-0010	EA	TPH 8015 Modified, Lab Test Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	208.77	
02 65 00 00-0011	EA	TRPH 418.1, Lab Test Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	162.38	
02 65 00 00-0012	EA	VOC, Lab Test Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	440.74	
02 65 00 00-0013	EA	Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	811.90	
02 65 00 00-0014	EA	Oil And Grease 413.1, Lab Test Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	97.65	
02 65 00 00-0015	EA	TCLP (Extraction) - Metals, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	173.98	
02 65 00 00-0016	EA	TCLP (Extraction) - Semi-Volatile Organic, Lab Test Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	231.97	
02 65 00 00-0017	EA	Metals 6010 RCRA, Lab Test Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	259.81	
02 65 00 00-0018	EA	Metals (Arsenic) 7060, Lab Test Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	34.80	
02 65 00 00-0019	EA	Metals (Selenium) 7740, Lab Test Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	34.80	
02 65 00 00-0020	EA	Metals (Lead) 7421, Lab Test Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	34.80	
02 65 00 00-0021	EA	Metals (Mercury) 7470, Lab Test Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	64.95	
02 65 00 00-0022	EA	PNA/PAH 8100, Lab Test Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	371.15	
02 65 00 00-0023	EA	Fuel Id ASTM D3328-78, Lab Test Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	134.27	
02 65 00 00-0024	EA	pH, Lab Test	27.84	
02 65 00 00-0025	EA	Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater	347.96	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0026	EA	Methyl Tertiary Butyl Ether (MTBE), Lab Test	208.77	
02 65 00 00-0027		**Tests, Surveys And Maintenance For Underground Storage Tank** *(02 65 00 00-0001)*		
02 65 00 00-0028	EA	Site Survey For AST/UST Location By Certified Tank Installer Note: Includes testing Pump output both tank and dispenser, Calibrate pump dispenser if needed, Check all sumps both tank and dispenser, check all fitting connections for leaks and check wiring connection for possible malfunction or safety hazard, check seals on caps for fill tube, check overfill performance for safety shutdown, check all hoses and pump handle, check break-away couplings, complete written report on all data found.	1,069.78	
02 65 00 00-0029	EA	Check Cathodic Protection - Impressed Current Systems And Sacrificial Anode Systems Note: By Certified Technician. Write report of findings for action if needed	191.84	
02 65 00 00-0030	EA	Check And Report On Monitor Probes Note: By Certified Technician	44.09	
02 65 00 00-0031	EA	Tank Monitoring System: Check System Per Manufacturer's Specification By Certified Technician With Written Report Note: Including pass / fail; paper feed operational paper installed etc.; and status of inspection repairs needed etc.	306.10	
02 65 00 00-0032	EA	Removal And Replacement Of Anode On Impressed System	151.56	
02 65 00 00-0033	EA	Removal And Replacement Of Power Converter On Impressed System On Underground Storage Tank	217.29	
02 65 00 00-0034	EA	Removal And Replacement Of Monitor Probes On Underground Storage Tank	334.46	
02 65 00 00-0035	EA	Ultrasonic Test On Underground Storage Tank	199.93	
02 65 00 00-0036		**Tests And Sampling Labor Hours** *(02 65 00 00-0001)*		
02 65 00 00-0037	HR	Certified Tank Installer For Underground Storage Tank	120.81	
02 65 00 00-0038	HR	Certified Geologist/Environmentalist	114.35	
02 65 00 00-0039	HR	Hourly Office Work For Reports Required For EPA On Underground Storage Tank Note: Includes title searches, well survey data, site drawings, submitting preliminary work, etc. Hours not to be used in association with other tasks performed.	123.65	
02 65 00 00-0040		**Remove Tank Contents** *(02 65)*		
02 65 00 00-0041		**Transfer Liquid** *(02 65 00 00-0040)* Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0042	GAL	Transfer Reusable Liquid To Different Tank Note: Per gallon of material transferred.	0.65	
02 65 00 00-0043		**Remove And Dispose Of Liquid From Tank** *(02 65 00 00-0040)*		
02 65 00 00-0044	GAL	Removal and Disposal Of Hazardous Liquids From Tank	1.84	
02 65 00 00-0045	GAL	Removal and Disposal Of Non-Hazardous Liquid From Tank	0.81	
02 65 00 00-0046		**Remove And Dispose Of Solids Or Sludge** *(02 65 00 00-0040)* Note: Includes scraping and solidifying agent.		
02 65 00 00-0047	GAL	Removal and Disposal Of Hazardous Solids Or Sludge From Tank	6.82	
02 65 00 00-0048	GAL	Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank	1.52	
02 65 00 00-0049		**Purge Vapors, Open And Clean Tank** *(02 65)*		
02 65 00 00-0050		**Purge Vapors** *(02 65 00 00-0049)*		
02 65 00 00-0051	LB	Purge Tank Using Dry Ice Note: Approximately 1.5 To 3.0 Lb. of dry ice per 100 Gallons of tank volume.	4.60	
02 65 00 00-0052		**High Pressure Water Wash And Rinse Of Tank Interior** *(02 65 00 00-0049)* Note: Includes removal and disposal of rinse water.		
02 65 00 00-0053	EA	Up To 275 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	352.03	
02 65 00 00-0054	EA	>275 To 550 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	461.48	
02 65 00 00-0055	EA	>550 To 1,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	598.22	
02 65 00 00-0056	EA	>1,000 To 2,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	808.29	
02 65 00 00-0057	EA	>2,000 To 5,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,564.68	
02 65 00 00-0058	EA	>5,000 To 6,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	1,881.50	
02 65 00 00-0059	EA	>6,000 To 8,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,156.11	
02 65 00 00-0060	EA	>8,000 To 10,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	2,605.37	
02 65 00 00-0061	EA	>10,000 To 15,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	3,354.96	
02 65 00 00-0062	EA	>15,000 To 20,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	4,033.72	
02 65 00 00-0063	EA	>20,000 To 30,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	5,109.84	
02 65 00 00-0064	EA	>30,000 To 40,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	6,297.54	
02 65 00 00-0065	EA	>40,000 To 50,000 Gallon Tank, High Pressure Water Wash And Rinse Of Tank Interior	7,713.03	
02 65 00 00-0066		**Scrape Clean Tank Exterior** *(02 65 00 00-0049)*		
02 65 00 00-0067	EA	Up To 275 Gallon Tank, Scrape Clean Tank Exterior	258.73	
02 65 00 00-0068	EA	>275 To 550 Gallon Tank, Scrape Clean Tank Exterior	344.53	
02 65 00 00-0069	EA	>550 To 1,000 Gallon Tank, Scrape Clean Tank Exterior	451.45	
02 65 00 00-0070	EA	>1,000 To 2,000 Gallon Tank, Scrape Clean Tank Exterior	625.17	
02 65 00 00-0071	EA	>2,000 To 5,000 Gallon Tank, Scrape Clean Tank Exterior	1,384.45	
02 65 00 00-0072	EA	>5,000 To 6,000 Gallon Tank, Scrape Clean Tank Exterior	1,753.01	
02 65 00 00-0073	EA	>6,000 To 8,000 Gallon Tank, Scrape Clean Tank Exterior	2,051.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0074	EA	>8,000 To 10,000 Gallon Tank, Scrape Clean Tank Exterior	2,578.82	
02 65 00 00-0075	EA	>10,000 To 15,000 Gallon Tank, Scrape Clean Tank Exterior	3,351.83	
02 65 00 00-0076	EA	>15,000 To 20,000 Gallon Tank, Scrape Clean Tank Exterior	4,207.20	
02 65 00 00-0077	EA	>20,000 To 30,000 Gallon Tank, Scrape Clean Tank Exterior	5,478.14	
02 65 00 00-0078	EA	>30,000 To 40,000 Gallon Tank, Scrape Clean Tank Exterior	6,573.76	
02 65 00 00-0079	EA	>40,000 To 50,000 Gallon Tank, Scrape Clean Tank Exterior	8,217.20	

02 65 00 00-0080 Tank And Piping Removal *(02 65)*

Note: Excludes excavation.

02 65 00 00-0081 Removal And Disposal Of Piping *(02 65 00 00-0080)*

Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.

02 65 00 00-0082	LF	Up To 4", Removal And Disposal Of Piping	20.37	
02 65 00 00-0083	LF	>4" To 8", Removal And Disposal Of Piping	27.16	

02 65 00 00-0084 Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement *(02 65 00 00-0080)*

Note: Excludes excavation or backfill.

02 65 00 00-0085	EA	Up To 275 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	722.12	
02 65 00 00-0086	EA	>275 To 550 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	876.85	
02 65 00 00-0087	EA	>550 To 1,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,031.60	
02 65 00 00-0088	EA	>1,000 To 2,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,289.49	
02 65 00 00-0089	EA	>2,000 To 5,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	1,805.28	
02 65 00 00-0090	EA	>5,000 To 6,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,269.49	
02 65 00 00-0091	EA	>6,000 To 8,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	2,578.97	
02 65 00 00-0092	EA	>8,000 To 10,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	3,094.78	
02 65 00 00-0093	EA	>10,000 To 15,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,126.36	
02 65 00 00-0094	EA	>15,000 To 20,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	4,946.60	
02 65 00 00-0095	EA	>20,000 To 30,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	5,796.39	
02 65 00 00-0096	EA	>30,000 To 40,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	6,781.28	
02 65 00 00-0097	EA	>40,000 To 50,000 Gallon Tank, Cut Straps, Extract Tank From The Diggings And Block To Prevent Movement	8,476.59	

02 65 00 00-0098 Cut Tank Into Sections That Can Easily Be Transported And Disposed Of When Necessary *(02 65 00 00-0080)*

Note: Includes 1 lengthwise at every 4' on-center height wise.

02 65 00 00-0099	EA	>1,000 To 2,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	875.27	
02 65 00 00-0100	EA	>2,000 To 5,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,632.25	
02 65 00 00-0101	EA	>5,000 To 6,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	1,963.43	
02 65 00 00-0102	EA	>6,000 To 8,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,188.17	
02 65 00 00-0103	EA	>8,000 To 10,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	2,625.81	
02 65 00 00-0104	EA	>10,000 to 15,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,264.51	
02 65 00 00-0105	EA	>15,000 to 20,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	3,926.88	
02 65 00 00-0106	EA	>20,000 To 30,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	4,908.60	
02 65 00 00-0107	EA	>30,000 To 40,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	6,135.76	
02 65 00 00-0108	EA	>40,000 To 50,000 Gallon Tank, Cut Tank Into Sections That Can Easily Be Transported And Disposed Of	7,669.68	

02 65 00 00-0109 Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station *(02 65 00 00-0080)*

Note: Includes disposal fee.

02 65 00 00-0110	EA	Up To 275 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	307.96	
		For Each Additional Mile >15 Miles, Add	*4.76*	
02 65 00 00-0111	EA	>275 To 550 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	416.88	
		For Each Additional Mile >15 Miles, Add	*6.01*	
02 65 00 00-0112	EA	>550 To 1,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	654.74	
		For Each Additional Mile >15 Miles, Add	*9.01*	
02 65 00 00-0113	EA	>1,000 To 2,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,009.08	
		For Each Additional Mile >15 Miles, Add	*10.51*	
02 65 00 00-0114	EA	>2,000 To 5,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,780.72	
		For Each Additional Mile >15 Miles, Add	*18.52*	
02 65 00 00-0115	EA	>5,000 To 6,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,840.80	
		For Each Additional Mile >15 Miles, Add	*20.03*	
02 65 00 00-0116	EA	>6,000 To 8,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	1,940.93	
		For Each Additional Mile >15 Miles, Add	*22.53*	
02 65 00 00-0117	EA	>8,000 To 10,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	2,810.25	
		For Each Additional Mile >15 Miles, Add	*30.04*	
02 65 00 00-0118	EA	>10,000 To 15,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	3,862.25	
		For Each Additional Mile >15 Miles, Add	*45.06*	
02 65 00 00-0119	EA	>15,000 To 20,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	4,513.72	
		For Each Additional Mile >15 Miles, Add	*50.07*	
02 65 00 00-0120	EA	>20,000 To 30,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	5,581.26	
		For Each Additional Mile >15 Miles, Add	*60.08*	
02 65 00 00-0121	EA	>30,000 To 40,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	7,788.24	
		For Each Additional Mile >15 Miles, Add	*72.10*	
02 65 00 00-0122	EA	>40,000 To 50,000 Gallon Tank, Load, Transport, And Dispose Of Tank At Disposal Facility Or Transfer Station	9,397.86	
		For Each Additional Mile >15 Miles, Add	*82.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0123		Other Storage Tank Removals *(02 65 00 00-0080)* Note: Based on tank gallon size		
02 65 00 00-0124	GAL	Removal Of Cement Lining	0.62	
02 65 00 00-0125	GAL	Sandblast Tank In Prep For Lining Or Welding; Remove Sand, Vacuum Walls And Seams	0.22	
02 65 00 00-0126	GAL	Install Epoxy For Interior Corrosion Protection	1.13	
02 65 00 00-0127		Tank Closure Report *(02 65 00 00-0080)* Note: Excludes soils tests. See CSI section 02 65 00 00-0006 for soil tests.		
02 65 00 00-0128	EA	Prepare Tank Closure Report	3,119.18	
02 65 00 00-0129		Temporary Tanks *(02 65)*		
02 65 00 00-0130		Temporary Holding Tanks *(02 65 00 00-0129)*		
02 65 00 00-0131		Above Ground Temporary Holding Tanks, Monthly Rental *(02 65 00 00-0130)*		
02 65 00 00-0132	MO	550 Gallon, Stainless Steel, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0133	MO	630 Gallon, Polyethylene, DOT Approved, Above Ground Temporary Holding Tanks, Monthly Rental	965.25	
02 65 00 00-0134	MO	630 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,930.49	
02 65 00 00-0135	MO	4,000 Gallon, Polyethylene, Stackable, Above Ground Temporary Holding Tanks, Monthly Rental	1,447.87	
02 65 00 00-0136	MO	4,000 Gallon, Polyethylene, Trailer Mounted, Above Ground Temporary Holding Tanks, Monthly Rental	3,378.36	
02 65 00 00-0137	MO	6,000 Gallon, Polyethylene, Total Drain, Above Ground Temporary Holding Tanks, Monthly Rental	2,413.12	
02 65 00 00-0138	MO	21,000 Gallon (500 BBL), Steel, Open, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	5,255.58	
02 65 00 00-0139	MO	21,000 Gallon (500 BBL), Steel, Closed, Stationary, Above Ground Temporary Holding Tanks, Monthly Rental	6,298.36	
02 65 00 00-0140	MO	21,000 Gallon (500 BBL), Steel, Vapor Proof, Above Ground Temporary Holding Tanks, Monthly Rental	10,636.30	
02 65 00 00-0141		Secondary Containment Berm *(02 65 00 00-0129)*		
02 65 00 00-0142	MO	Secondary Containment Berm Monthly Rental	2,091.37	

02 80 Facility Remediation *(02)*

02 81 Transportation and Disposal of Hazardous Materials *(02 80)*

02 81 00 00-0001		Hazardous Material Disposal *(02 81)*		
02 81 00 00-0002	EA	RCRA (Direct Landfill) Drums Note: Excludes stabilization. See CSI section 02 81 00 00-0003 for Stabilization (>5 ppm).	511.76	
02 81 00 00-0003	EA	Stabilization (>5 ppm)	681.93	
02 81 00 00-0004	TON	Bulk Hazardous Material Landfill Cost	431.72	
02 81 00 00-0005		Equipment Oil Drain And Disposal *(02 81)*		
02 81 00 00-0006	TRIP	Drain Oil Filled Equipment, Place In Approved Container And Transport To Disposal Site Note: Excludes Disposal Cost.	677.78	
02 81 00 00-0007	DRM	Disposal Of Non-Polychlorinated Biphenyl (PCB) Oil In Normal Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	106.51	
02 81 00 00-0008	DRM	Disposal Of Non-Toxic Polychlorinated Biphenyl (PCB) Oil Into A Lined Landfill, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	484.12	
02 81 00 00-0009	DRM	Disposal of Toxic Polychlorinated Biphenyl (PCB) Oil By Incineration, Per Partial Or Full 55-Gallon Drum Note: Excludes draining, placing in approved container, and transporting to disposal site.	871.42	
02 81 00 00-0010	CF	Hazardous Polychlorinated Biphenyl (PCB) Oil Filled Equipment Disposal At Approved Site Note: Includes handling of equipment and disposal at approved site. Excludes draining of PCB contaminated oil prior to disposal.	116.24	

02 82 Asbestos Remediation *(02 80)*

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 82 13 Asbestos Abatement *(02 82)*

02 82 13 00-0001		Air Monitoring And Bulk Sampling, Asbestos Testing *(02 82 13)* Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002	HR	Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring	99.78	
02 82 13 00-0003	EA	48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	63.06	
02 82 13 00-0004	EA	Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	73.93	
02 82 13 00-0005	EA	Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing	117.42	
02 82 13 00-0006	EA	48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing	202.22	
02 82 13 00-0007	EA	Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing	245.71	
02 82 13 00-0008	EA	48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing	50.01	
02 82 13 00-0009	EA	Next Day Turnaround, (Air) PCM Test, Asbestos Testing	60.88	
02 82 13 00-0010	EA	Same Day Turnaround, (Air) PCM Test, Asbestos Testing	82.63	
02 82 13 00-0011	EA	48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test	63.06	
02 82 13 00-0012	EA	Next Day Turnaround, (Air Point Counting) PLM Test	73.93	
02 82 13 00-0013	EA	Same Day Turnaround, (Air Point Counting) PLM Test	117.42	
02 82 13 00-0014	EA	48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing	202.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 13 00-0015	EA	Next Day Turnaround, (Air) TEM Test, Asbestos Testing	232.66	
02 82 13 00-0016	EA	Same Day Turnaround, (Air) TEM Test, Asbestos Testing	323.99	

02 82 16 Engineering Control of Asbestos Containing Materials *(02 82)*

02 82 16 00-0001 Asbestos Encapsulation (Lock-Down) *(02 82 16)*

02 82 16 00-0002	SF	Asbestos Encapsulant Spray Adhesive (Lock-Down), Per Coat	1.71	
02 82 16 00-0003	SF	Asbestos Binding Compound Encapsulant/Sealant, Per Coat Required (Fiberlock® ABC® Asbestos Binding Compound)	2.34	
02 82 16 00-0004	SF	Asbestos Fiberspray Encapsulation (Fiberlock® ABC Fiberspray®)	2.54	
02 82 16 00-0005	SF	Asbestos Acrylic Encasement/Encapsulation (Fiberlock® Lag-Kote®)	2.75	
02 82 16 00-0006	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kwik®)	8.56	
02 82 16 00-0007	SF	Water Activated Repair Cloth Encapsulant (Fiberlock® Lag-Kloth®)	9.70	

02 82 33 Removal and Disposal of Asbestos Containing Materials *(02 82)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. The SET task includes portion for set-up and mobilization. For those tasks the contractor will be paid the first task of SET with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001 Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0002 Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0001)*

Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.

02 82 33 00-0003 Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,252.85	
		For Work In Restricted Working Space, Add	*370.79*	
02 82 33 00-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	42.97	
		For Work In Restricted Working Space, Add	*12.64*	
02 82 33 00-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	32.45	
		For Work In Restricted Working Space, Add	*9.48*	
02 82 33 00-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	24.54	
		For Work In Restricted Working Space, Add	*7.11*	
02 82 33 00-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	18.62	
		For Work In Restricted Working Space, Add	*5.33*	
02 82 33 00-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal	16.30	
		For Work In Restricted Working Space, Add	*4.64*	

02 82 33 00-0010 >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0011	SET	Up To 20 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,269.75	
		For Work In Restricted Working Space, Add	*370.79*	
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	50.15	
		For Work In Restricted Working Space, Add	*14.54*	
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.03	
		For Work In Restricted Working Space, Add	*10.90*	
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	28.95	
		For Work In Restricted Working Space, Add	*8.18*	
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	22.12	
		For Work In Restricted Working Space, Add	*6.13*	
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal	19.47	
		For Work In Restricted Working Space, Add	*5.33*	

02 82 33 00-0017 >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

02 82 33 00-0018	SET	Up To 20 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,286.64	
		For Work In Restricted Working Space, Add	*370.79*	
02 82 33 00-0019	LF	>20 To 250 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	66.86	
		For Work In Restricted Working Space, Add	*19.38*	
02 82 33 00-0020	LF	>250 To 500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	50.70	
		For Work In Restricted Working Space, Add	*14.54*	
02 82 33 00-0021	LF	>500 To 2,500 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	38.59	
		For Work In Restricted Working Space, Add	*10.90*	
02 82 33 00-0022	LF	>2,500 To 10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	29.49	
		For Work In Restricted Working Space, Add	*8.17*	
02 82 33 00-0023	LF	>10,000 LF, >12" To 18" Diameter Pipe Insulation, Asbestos Abatement And Disposal	25.95	
		For Work In Restricted Working Space, Add	*7.11*	

02 82 33 00-0024 >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

See CSI section 02 82 33 00-0031 for projects with less than 10 LF.

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0025	SET	Up To 20 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	1,303.53	
		For Work In Restricted Working Space, Add	*370.79*	
02 82 33 00-0026	LF	>20 To 250 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	91.95	
		For Work In Restricted Working Space, Add	*26.66*	
02 82 33 00-0027	LF	>250 To 500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	69.71	
		For Work In Restricted Working Space, Add	*19.98*	
02 82 33 00-0028	LF	>500 To 2,500 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	53.07	
		For Work In Restricted Working Space, Add	*14.99*	
02 82 33 00-0029	LF	>2,500 To 10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	40.56	
		For Work In Restricted Working Space, Add	*11.24*	
02 82 33 00-0030	LF	>10,000 LF, >18" To 24" Diameter Pipe Insulation, Asbestos Abatement And Disposal	35.69	
		For Work In Restricted Working Space, Add	*9.78*	

02 82 33 00-0031 Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0002)*

Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.

02 82 33 00-0032	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal	803.38	
		For Work In Restricted Working Space, Add	*239.49*	
02 82 33 00-0033	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation	134.74	
		For Work In Restricted Working Space, Add	*39.92*	
02 82 33 00-0034	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation	53.34	
		For Work In Restricted Working Space, Add	*15.50*	
02 82 33 00-0035	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation	40.42	
		For Work In Restricted Working Space, Add	*11.62*	
02 82 33 00-0036	LF	>500 LF Additional Glove Bag Work for Pipe Insulation	30.73	
		For Work In Restricted Working Space, Add	*8.71*	

02 82 33 00-0037 Thermal Insulation, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0038 Calcium Block Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0039	SET	Up To 10 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	1,244.41	
02 82 33 00-0040	SF	>10 To 500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	51.20	
02 82 33 00-0041	SF	>500 To 2,500 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	42.26	
02 82 33 00-0042	SF	>2,500 To 10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	33.94	
02 82 33 00-0043	SF	>10,000 SF, Calcium Block Insulation, Asbestos Abatement And Disposal	27.72	

02 82 33 00-0044 Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0045	SET	Up To 10 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	1,240.18	
02 82 33 00-0046	SF	>10 To 500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	45.02	
02 82 33 00-0047	SF	>500 To 2,500 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	36.08	
02 82 33 00-0048	SF	>2,500 To 10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	27.77	
02 82 33 00-0049	SF	>10,000 SF, Fibrous Glass Blanket Insulation, Asbestos Abatement And Disposal	21.55	

02 82 33 00-0050 Fibrous Glass Board Insulation, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

02 82 33 00-0051	SET	Up To 10 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	1,238.78	
02 82 33 00-0052	SF	>10 To 500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	39.95	
02 82 33 00-0053	SF	>500 To 2,500 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	30.99	
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	22.68	
02 82 33 00-0055	SF	>10,000 SF, Fibrous Glass Board Insulation, Asbestos Abatement And Disposal	16.46	

02 82 33 00-0056 Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal *(02 82 33 00-0037)*

Note: e.g., duct, boiler, tank, etc.

02 82 33 00-0057	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	1,246.52	
02 82 33 00-0058	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	42.55	
02 82 33 00-0059	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	33.60	
02 82 33 00-0060	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	25.31	
02 82 33 00-0061	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal	19.08	

02 82 33 00-0062 Surfacing Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0063 Fireproofing For Small Areas, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0065 for areas > 1 SF see CSI section.

02 82 33 00-0064	EA	Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.	206.41	

02 82 33 00-0065 Fireproofing, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Exposed surface area, includes associated overspray.

02 82 33 00-0066	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal	1,246.52	
02 82 33 00-0067	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal	50.97	
02 82 33 00-0068	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal	38.32	
02 82 33 00-0069	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal	28.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0070	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal	21.74	

02 82 33 00-0071 Acoustical Plaster, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.

02 82 33 00-0072	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal	1,243.00	
02 82 33 00-0073	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	21.39	
02 82 33 00-0074	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal	16.24	
02 82 33 00-0075	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	12.13	
02 82 33 00-0076	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal	9.03	

02 82 33 00-0077 Gypsum Wall Board, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0078	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	1,250.04	
		For Additional Layer, Add	*339.89*	
02 82 33 00-0079	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	16.50	
		For Additional Layer, Add	*4.46*	
02 82 33 00-0080	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	12.13	
		For Additional Layer, Add	*3.26*	
02 82 33 00-0081	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	9.55	
		For Additional Layer, Add	*2.55*	
02 82 33 00-0082	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	7.49	
		For Additional Layer, Add	*1.98*	
02 82 33 00-0083	SF	>50,000 To 100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	5.94	
		For Additional Layer, Add	*1.56*	
02 82 33 00-0084	SF	>100,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal	4.81	
		For Additional Layer, Add	*1.25*	

02 82 33 00-0085 Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0086	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	1,243.00
02 82 33 00-0087	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	31.08
02 82 33 00-0088	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	22.83
02 82 33 00-0089	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	17.90
02 82 33 00-0090	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	13.98
02 82 33 00-0091	SF	>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal	10.07

02 82 33 00-0092 Stucco, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0093	SET	Up To 50 SF, Stucco, Asbestos Abatement And Disposal	1,250.04	
02 82 33 00-0094	SF	>50 To 500 SF, Stucco, Asbestos Abatement And Disposal	27.15	
02 82 33 00-0095	SF	>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal	20.40	
02 82 33 00-0096	SF	>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal	15.40	
02 82 33 00-0097	SF	>10,000 SF, Stucco, Asbestos Abatement And Disposal	11.60	

02 82 33 00-0098 Spray On Acoustical Ceiling, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0099	SET	Up To 50 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	1,250.04	
02 82 33 00-0100	SF	>50 To 500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	14.01	
02 82 33 00-0101	SF	>500 To 2,500 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	10.86	
02 82 33 00-0102	SF	>2,500 To 10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	8.01	
02 82 33 00-0103	SF	>10,000 SF, Spray On Acoustical Ceiling, Asbestos Abatement And Disposal	6.06	

02 82 33 00-0104 Plywood, Asbestos Abatement And Disposal *(02 82 33 00-0062)*

02 82 33 00-0105	SET	Up To 40 SF, Plywood, Asbestos Abatement And Disposal	1,247.22	
02 82 33 00-0106	SF	>50 To 500 SF, Plywood, Asbestos Abatement And Disposal	17.79	
02 82 33 00-0107	SF	>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal	8.70	
02 82 33 00-0108	SF	>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal	5.96	
02 82 33 00-0109	SF	>10,000 SF, Plywood, Asbestos Abatement And Disposal	5.12	

02 82 33 00-0110 Flooring Material, Asbestos Abatement And Disposal *(02 82 33)*

02 82 33 00-0111 Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal *(02 82 33 00-0110)*

02 82 33 00-0112 Floor Tile, Asbestos Abatement And Disposal *(02 82 33 00-0111)*

Note: Single layer or first of multiple layers. Excludes mastic.

02 82 33 00-0113	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	1,238.78	
		For Each Additional Layer, Add	*185.82*	
02 82 33 00-0114	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	8.70	
		For Each Additional Layer, Add	*1.31*	
02 82 33 00-0115	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	7.13	
		For Each Additional Layer, Add	*1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0116	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	5.69	
		For Each Additional Layer, Add	*0.85*	
02 82 33 00-0117	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal	3.94	
		For Each Additional Layer, Add	*0.59*	
02 82 33 00-0118		**Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal** *(02 82 33 00-0111)*		
		Note: Single layer or first of multiple layers. Excludes mastic.		
02 82 33 00-0119	SET	Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	1,238.78	
		For Each Additional Layer, Add	*185.82*	
02 82 33 00-0120	SF	>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	8.70	
		For Each Additional Layer, Add	*1.31*	
02 82 33 00-0121	SF	>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	7.16	
		For Each Additional Layer, Add	*1.07*	
02 82 33 00-0122	SF	>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	6.50	
		For Each Additional Layer, Add	*0.98*	
02 82 33 00-0123	SF	>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal	5.25	
		For Each Additional Layer, Add	*0.79*	
02 82 33 00-0124		**Carpet, Asbestos Abatement And Disposal** *(02 82 33 00-0111)*		
02 82 33 00-0125	SET	Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	1,238.78	
02 82 33 00-0126	SF	>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	6.82	
02 82 33 00-0127	SF	>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	5.53	
02 82 33 00-0128	SF	>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	4.05	
02 82 33 00-0129	SF	>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal	3.08	
02 82 33 00-0130		**Wall Or Cove Base, Asbestos Abatement And Disposal** *(02 82 33 00-0111)*		
		Note: Up to 12".		
02 82 33 00-0131	SET	Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	415.51	
02 82 33 00-0132	LF	>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	5.63	
02 82 33 00-0133	LF	>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	3.43	
02 82 33 00-0134	LF	>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	2.20	
02 82 33 00-0135	LF	>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal	1.59	
02 82 33 00-0136		**Mastic, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
		Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.		
02 82 33 00-0137	SET	Up To 100 SF, Mastic, Asbestos Abatement And Disposal	1,243.00	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0138	SF	>100 To 500 SF, Mastic, Asbestos Abatement And Disposal	3.15	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0139	SF	>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal	2.33	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0140	SF	>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal	1.81	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0141	SF	>10,000 SF, Mastic, Asbestos Abatement And Disposal	1.46	
		Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0142		**Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
		Note: Includes finish wood, asbestos barrier paper, cleanup of sub-wood floor, fasteners, wood fillers and protection of clean crawl space from contamination.		
02 82 33 00-0143	SET	Up To 100 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	1,264.12	
02 82 33 00-0144	SF	>100 To 500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	10.02	
02 82 33 00-0145	SF	>500 To 2,500 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	7.38	
02 82 33 00-0146	SF	>2,500 To 10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.85	
02 82 33 00-0147	SF	>10,000 SF, Hardwood Flooring System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.61	
02 82 33 00-0148		**Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal** *(02 82 33 00-0110)*		
02 82 33 00-0149	SET	Up To 100 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	1,250.03	
02 82 33 00-0150	SF	>100 To 500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	11.17	
02 82 33 00-0151	SF	>500 To 2,500 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	7.35	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0152	SF	>2,500 To 10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	5.80	
02 82 33 00-0153	SF	>10,000 SF, Cementitious Underlayment For Flooring, Asbestos Abatement And Disposal	4.78	
02 82 33 00-0154		**Roofing, Asbestos Abatement And Disposal** *(02 82 33)*		
02 82 33 00-0155		**Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal** *(02 82 33 00-0154)*		
		Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0156		Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0157	SET	Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,271.16	
02 82 33 00-0158	SF	>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.18	
02 82 33 00-0159	SF	>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.60	
02 82 33 00-0160	SF	>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.33	
02 82 33 00-0161	SF	>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.07	
02 82 33 00-0162	SF	>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.13	
02 82 33 00-0163		>2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0164	SET	Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,297.90	
02 82 33 00-0165	SF	>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	9.56	
02 82 33 00-0166	SF	>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.73	
02 82 33 00-0167	SF	>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	6.34	
02 82 33 00-0168	SF	>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.89	
02 82 33 00-0169	SF	>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	3.79	
02 82 33 00-0170		>5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0155)*		
02 82 33 00-0171	SET	Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	1,328.87	
02 82 33 00-0172	SF	>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	10.83	
02 82 33 00-0173	SF	>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	8.81	
02 82 33 00-0174	SF	>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	7.26	
02 82 33 00-0175	SF	>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	5.65	
02 82 33 00-0176	SF	>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal	4.43	
02 82 33 00-0177		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0178		Shingles And Felt Roofing, Asbestos Abatement And Disposal *(02 82 33 00-0177)*		
02 82 33 00-0179	SET	Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	1,244.76	
02 82 33 00-0180	SF	>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	7.97	
		For Each Additional Layer, Add	*1.59*	
02 82 33 00-0181	SF	>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	6.39	
		For Each Additional Layer, Add	*1.28*	
02 82 33 00-0182	SF	>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	5.12	
		For Each Additional Layer, Add	*1.02*	
02 82 33 00-0183	SF	>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	3.86	
		For Each Additional Layer, Add	*0.77*	
02 82 33 00-0184	SF	>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal Note: Single or first of multiple layers.	2.92	
		For Each Additional Layer, Add	*0.58*	
02 82 33 00-0185		Roof Penetration Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0186	SET	Up To 10 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	412.69	
02 82 33 00-0187	SF	>10 To 50 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	3.16	
02 82 33 00-0188	SF	>50 To 100 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.61	
02 82 33 00-0189	SF	>100 To 250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	2.11	
02 82 33 00-0190	SF	>250 SF, Roof Penetration Mastic, Asbestos Abatement And Disposal	1.55	
02 82 33 00-0191		Roof Curb Mastic, Asbestos Abatement And Disposal *(02 82 33 00-0154)*		
02 82 33 00-0192	SET	Up To 10 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	412.69	
02 82 33 00-0193	LF	>10 To 20 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	9.34	
02 82 33 00-0194	LF	>20 To 50 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	7.48	
02 82 33 00-0195	LF	>50 To 150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	6.25	
02 82 33 00-0196	LF	>150 LF, Roof Curb Mastic, Asbestos Abatement And Disposal	4.52	
02 82 33 00-0197		Asbestos-Cement Products, Asbestos Abatement And Disposal *(02 82 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0198		Interior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0199	SET	Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,250.03	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0200	SF	>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	8.56	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0201	SF	>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	4.35	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0202	SF	>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.51	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0203	SF	>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.06	
		Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0204		Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0205	SET	Up To 100 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,250.03	
02 82 33 00-0206	SF	>100 To 500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.46	
02 82 33 00-0207	SF	>500 To 2,500 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.88	
02 82 33 00-0208	SF	>2,500 To 10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.14	
02 82 33 00-0209	SF	>10,000 SF, Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.74	
02 82 33 00-0210		Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0211	SET	Up To 10 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,046.86	
02 82 33 00-0212	LF	>10 To 100 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	43.82	
02 82 33 00-0213	LF	>100 To 250 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.30	
02 82 33 00-0214	LF	>250 To 500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.39	
02 82 33 00-0215	LF	>500 To 2,500 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	19.47	
02 82 33 00-0216	LF	>2,500 To 10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.02	
02 82 33 00-0217	LF	>10,000 LF, Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal	14.71	
02 82 33 00-0218		Exterior Transite Siding, Asbestos Abatement And Disposal *(02 82 33 00-0197)*		
02 82 33 00-0219	SET	Up To 125 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	1,259.82	
		Note: Single or first of multiple layers.		
02 82 33 00-0220	SF	>125 To 1,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	6.73	
		Note: Single or first of multiple layers.		
02 82 33 00-0221	SF	>1,000 To 5,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	5.41	
		Note: Single or first of multiple layers.		
02 82 33 00-0222	SF	>5,000 To 10,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	4.35	
		Note: Single or first of multiple layers.		
02 82 33 00-0223	SF	>10,000 To 20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	3.30	
		Note: Single or first of multiple layers.		
02 82 33 00-0224	SF	>20,000 SF, Exterior Transite Siding, Asbestos Abatement And Disposal	2.51	
		Note: Single or first of multiple layers.		
02 82 33 00-0225		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0226		Asbestos Contaminated Debris, Asbestos Abatement And Disposal *(02 82 33 00-0225)*		
02 82 33 00-0227	SET	Up To 10 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	840.87	
		For Work In Restricted Working Space, Add	*247.19*	
02 82 33 00-0228	CF	>10 To 100 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	83.62	
		For Work In Restricted Working Space, Add	*24.58*	
02 82 33 00-0229	CF	>100 To 250 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	56.31	
		For Work In Restricted Working Space, Add	*16.39*	
02 82 33 00-0230	CF	>250 To 500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	42.71	
		For Work In Restricted Working Space, Add	*12.31*	
02 82 33 00-0231	CF	>500 To 2,500 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	34.46	
		For Work In Restricted Working Space, Add	*9.83*	
02 82 33 00-0232	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	29.54	
		For Work In Restricted Working Space, Add	*8.36*	
02 82 33 00-0233	CF	>10,000 CF, Asbestos Contaminated Debris, Asbestos Abatement And Disposal	26.76	
		For Work In Restricted Working Space, Add	*7.52*	
02 82 33 00-0234		Other Asbestos Containing Materials, Asbestos Abatement And Disposal *(02 82 33)*		
02 82 33 00-0235		30" To 36" Fire Door, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0236	SET	Up To 1 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	419.59	
02 82 33 00-0237	EA	>1 To 20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	155.92	
02 82 33 00-0238	EA	>20 EA, 30" To 36" Fire Door, Asbestos Abatement And Disposal	141.08	
02 82 33 00-0239		HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0240	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	412.34	
02 82 33 00-0241	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	8.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0242	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	6.36	
02 82 33 00-0243	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	5.48	
02 82 33 00-0244	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.72	
02 82 33 00-0245	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	4.04	
02 82 33 00-0246	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal	3.49	
02 82 33 00-0247		Grout, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: e.g. flue grout.		
02 82 33 00-0248	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	412.22	
02 82 33 00-0249	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	16.24	
02 82 33 00-0250	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	11.18	
02 82 33 00-0251	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.59	
02 82 33 00-0252	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	8.24	
02 82 33 00-0253	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	7.10	
02 82 33 00-0254	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal	6.09	
02 82 33 00-0255		Gaskets, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: e.g. rope, web cloth, flat.		
02 82 33 00-0256	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal	412.34	
02 82 33 00-0257	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal	21.89	
02 82 33 00-0258	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal	16.43	
02 82 33 00-0259	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal	14.00	
02 82 33 00-0260	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal	12.60	
02 82 33 00-0261	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal	11.33	
02 82 33 00-0262	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal	10.78	
02 82 33 00-0263		Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: e.g. grid, spline, or glued on.		
02 82 33 00-0264	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	831.02	
02 82 33 00-0265	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	17.65	
02 82 33 00-0266	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	8.56	
02 82 33 00-0267	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	5.82	
02 82 33 00-0268	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal Note: Including Glue Removal	4.98	
02 82 33 00-0269		Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
		Note: Includes ceiling tile, asbestos barrier paper, and furring strips.		
02 82 33 00-0270	SET	Up To 50 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	827.78	
02 82 33 00-0271	SF	>50 To 1,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	17.65	
02 82 33 00-0272	SF	>1,000 To 2,500 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	8.56	
02 82 33 00-0273	SF	>2,500 To 10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	5.82	
02 82 33 00-0274	SF	>10,000 SF, Nailed-On Ceiling Tile System With Asbestos Barrier Paper Backing, Asbestos Abatement And Disposal	4.98	
02 82 33 00-0275		Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0276		Non-Friable Caulking, Asbestos Abatement And Disposal *(02 82 33 00-0275)*		
02 82 33 00-0277	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	412.22	
02 82 33 00-0278	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	12.18	
02 82 33 00-0279	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	8.59	
02 82 33 00-0280	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	6.40	
02 82 33 00-0281	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	4.81	
02 82 33 00-0282	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.81	
02 82 33 00-0283	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal	3.30	
02 82 33 00-0284		Window Putty, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		
02 82 33 00-0285	SET	Up To 10 LF, Window Putty, Asbestos Abatement And Disposal	412.22	
02 82 33 00-0286	LF	>10 To 50 LF, Window Putty, Asbestos Abatement And Disposal	16.24	
02 82 33 00-0287	LF	>50 To 100 LF, Window Putty, Asbestos Abatement And Disposal	11.18	
02 82 33 00-0288	LF	>100 To 250 LF, Window Putty, Asbestos Abatement And Disposal	9.59	
02 82 33 00-0289	LF	>250 To 1,000 LF, Window Putty, Asbestos Abatement And Disposal	8.24	
02 82 33 00-0290	LF	>1,000 LF, Window Putty, Asbestos Abatement And Disposal	7.10	
02 82 33 00-0291		Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal *(02 82 33 00-0234)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0292	SET	Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	856.41	
02 82 33 00-0293	EA	>4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	81.85	
02 82 33 00-0294	EA	>40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	57.27	
02 82 33 00-0295	EA	>60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	45.04	
02 82 33 00-0296	EA	>125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	37.61	
02 82 33 00-0297	EA	>625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	33.18	
02 82 33 00-0298	EA	>1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal	30.66	

02 82 33 00-0299 Bearing Pads, Asbestos Abatement And Disposal *(02 82 33 00-0234)*

02 82 33 00-0300	SET	Up To 10 EA, Bearing Pads, Asbestos Abatement And Disposal	412.69	
02 82 33 00-0301	EA	>10 To 20 EA, Bearing Pads, Asbestos Abatement And Disposal	27.37	
02 82 33 00-0302	EA	>20 To 35 EA, Bearing Pads, Asbestos Abatement And Disposal	17.58	
02 82 33 00-0303	EA	>35 To 50 EA, Bearing Pads, Asbestos Abatement And Disposal	15.78	
02 82 33 00-0304	EA	>50 EA, Bearing Pads, Asbestos Abatement And Disposal	14.18	

02 83 Lead Remediation *(02 80)*

See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 83 19 Lead-Based Paint Remediation *(02 83)*

02 83 19 13 Lead-Based Paint Abatement *(02 83 19)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, cleanup, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting.

02 83 19 13-0001 Lead Sampling And Testing *(02 83 19 13)*

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0002	HR	Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring	93.80	
02 83 19 13-0003	EA	X-Ray Fluorescence (XRF) Lead Testing Note: Including Technician, 3 Readings Per Surface And Lab Fee	74.96	
02 83 19 13-0004	EA	5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	71.76	
02 83 19 13-0005	EA	48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	108.72	
02 83 19 13-0006	EA	24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee	152.21	
02 83 19 13-0007	EA	5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	28.27	
02 83 19 13-0008	EA	24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	43.49	
02 83 19 13-0009	EA	8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee	54.36	
02 83 19 13-0010	EA	5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	71.76	
02 83 19 13-0011	EA	3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee	108.72	
02 83 19 13-0012	EA	5 Day Turnaround Lead Wipe Samples And Lab Fee	11.96	
02 83 19 13-0013	EA	24 Hour Turnaround Lead Wipe Samples And Lab Fee	16.31	
02 83 19 13-0014	EA	8 Hour Turnaround Lead Wipe Samples And Lab Fee	23.92	
02 83 19 13-0015	EA	5 Day Turnaround Lead Air Samples And Lab Fee	11.96	
02 83 19 13-0016	EA	24 Hour Turnaround Lead Air Samples And Lab Fee	16.31	
02 83 19 13-0017	EA	8 Hour Turnaround Lead Air Samples And Lab Fee	23.92	
02 83 19 13-0018	EA	5 Day Turnaround Lead Water Test and Lab Fee	43.49	
02 83 19 13-0019	EA	24 Hour Turnaround Lead Water Test and Lab Fee	65.23	
02 83 19 13-0020	EA	8 Hour Turnaround Lead Water Test and Lab Fee	86.98	
02 83 19 13-0021	EA	5 Day Turnaround Lead Paint Chip Test and Lab Fee	44.97	
02 83 19 13-0022	EA	5 Day Turnaround Lead Soil Test and Lab Fee	89.95	

02 83 19 13-0023 Minimum Charge For Lead-Based Paint Remediation *(02 83 19 13)*

02 83 19 13-0024	EA	Lead-Based Paint Remediation Minimum Show Up Charge Note: For projects where the total lead-based paint remediation charge is less than the minimum charge, use task "Minimum Charge For Lead-Based Paint Remediation" exclusively. Task "Minimum Charge For Lead-Based Paint Remediation" should not be used in conjunction with any other tasks in this section. Includes air sample and personal air monitoring.	1,272.63	

02 83 19 13-0025 Chemical Stripping Of Lead Contaminated Material *(02 83 19 13)*

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0026	SF	Balustrades, Chemical Stripping Of Lead Contaminated Material	35.99	
		For 0.025" (25 mil) Application, Add		*2.05*
		For 0.03" (30 mil) Application, Add		*3.23*
02 83 19 13-0027	SF	Balustrades, Ornate, Chemical Stripping Of Lead Contaminated Material	53.36	
		For 0.025" (25 mil) Application, Add		*2.92*
		For 0.03" (30 mil) Application, Add		*4.53*
02 83 19 13-0028	LF	Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	15.46	
		For 0.025" (25 mil) Application, Add		*0.92*
		For 0.03" (30 mil) Application, Add		*1.48*
		For 0.125" (125 mil) Application, Add		*8.37*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0029	LF	>6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material	31.55	
		For 0.025" (25 mil) Application, Add	*1.73*	
		For 0.03" (30 mil) Application, Add	*2.69*	
		For 0.125" (125 mil) Application, Add	*12.39*	
02 83 19 13-0030	SF	Cornice, Chemical Stripping Of Lead Contaminated Material	16.82	
		For 0.025" (25 mil) Application, Add	*1.09*	
		For 0.03" (30 mil) Application, Add	*1.79*	
02 83 19 13-0031	SF	Cornice, Ornate, Chemical Stripping Of Lead Contaminated Material	47.57	
		For 0.025" (25 mil) Application, Add	*2.63*	
		For 0.03" (30 mil) Application, Add	*4.10*	
02 83 19 13-0032	SF	Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material	10.38	
		For 0.025" (25 mil) Application, Add	*0.72*	
		For 0.03" (30 mil) Application, Add	*1.20*	
		For 0.125" (125 mil) Application, Add	*8.60*	
02 83 19 13-0033	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material	30.08	
		For 0.025" (25 mil) Application, Add	*1.70*	
		For 0.03" (30 mil) Application, Add	*2.68*	
02 83 19 13-0034	SF	Cabinets, Ornate, Chemical Stripping Of Lead Contaminated Material	38.33	
		For 0.025" (25 mil) Application, Add	*2.12*	
		For 0.03" (30 mil) Application, Add	*3.30*	
02 83 19 13-0035	SF	Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material	14.30	
		For 0.025" (25 mil) Application, Add	*0.92*	
		For 0.03" (30 mil) Application, Add	*1.50*	
02 83 19 13-0036	SF	Columns, Chemical Stripping Of Lead Contaminated Material	13.75	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.56*	
		For 0.125" (125 mil) Application, Add	*10.94*	
02 83 19 13-0037	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material	12.11	
		For 0.025" (25 mil) Application, Add	*0.81*	
		For 0.03" (30 mil) Application, Add	*1.33*	
02 83 19 13-0038	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material	14.88	
		For 0.025" (25 mil) Application, Add	*0.94*	
		For 0.03" (30 mil) Application, Add	*1.54*	
02 83 19 13-0039	SF	Sectional Panel Or Roll-Up Doors, Chemical Stripping Of Lead Contaminated	21.92	
		For 0.025" (25 mil) Application, Add	*1.35*	
		For 0.03" (30 mil) Application, Add	*2.18*	
02 83 19 13-0040	EA	Electrical Devices, Chemical Stripping Of Lead Contaminated Material	62.61	
		For 0.025" (25 mil) Application, Add	*3.53*	
		For 0.03" (30 mil) Application, Add	*5.55*	
02 83 19 13-0041	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material	15.54	
		For 0.025" (25 mil) Application, Add	*0.98*	
		For 0.03" (30 mil) Application, Add	*1.59*	
02 83 19 13-0042	SF	Wood Floors, Chemical Stripping Of Lead Contaminated Material	8.56	
		For 0.025" (25 mil) Application, Add	*0.63*	
		For 0.03" (30 mil) Application, Add	*1.07*	
02 83 19 13-0043	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material	32.15	
		For 0.025" (25 mil) Application, Add	*1.81*	
		For 0.03" (30 mil) Application, Add	*2.84*	
02 83 19 13-0044	SF	HVAC Grilles, Ornate, Chemical Stripping Of Lead Contaminated Material	38.33	
		For 0.025" (25 mil) Application, Add	*2.12*	
		For 0.03" (30 mil) Application, Add	*3.30*	
02 83 19 13-0045	EA	Hinges, Chemical Stripping Of Lead Contaminated Material	20.16	
		For 0.025" (25 mil) Application, Add	*1.31*	
		For 0.03" (30 mil) Application, Add	*2.15*	
02 83 19 13-0046	EA	Up To 6" Diameter Hangers, Chemical Stripping Of Lead Contaminated Material	24.83	
		For 0.025" (25 mil) Application, Add	*1.54*	
		For 0.03" (30 mil) Application, Add	*2.50*	
		For 0.125" (125 mil) Application, Add	*15.21*	
02 83 19 13-0047	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	6.94	
		For 0.025" (25 mil) Application, Add	*0.50*	
		For 0.03" (30 mil) Application, Add	*0.84*	
		For 0.125" (125 mil) Application, Add	*6.24*	
02 83 19 13-0048	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	11.13	
		For 0.025" (25 mil) Application, Add	*0.71*	
		For 0.03" (30 mil) Application, Add	*1.15*	
		For 0.125" (125 mil) Application, Add	*7.28*	
02 83 19 13-0049	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	19.91	
		For 0.025" (25 mil) Application, Add	*1.25*	
		For 0.03" (30 mil) Application, Add	*2.02*	
		For 0.125" (125 mil) Application, Add	*12.48*	
02 83 19 13-0050	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	27.28	
		For 0.025" (25 mil) Application, Add	*1.66*	
		For 0.03" (30 mil) Application, Add	*2.68*	
		For 0.125" (125 mil) Application, Add	*15.82*	
02 83 19 13-0051	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material	48.92	
		For 0.025" (25 mil) Application, Add	*2.90*	
		For 0.03" (30 mil) Application, Add	*4.63*	
		For 0.125" (125 mil) Application, Add	*25.73*	
02 83 19 13-0052	SF	>16" Diameter Pipes, Chemical Stripping Of Lead Contaminated Material, SF Of Surface Area	14.61	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.33*	
		For 0.125" (125 mil) Application, Add	*6.89*	
02 83 19 13-0053	EA	Up To 12 SF Radiators, Chemical Stripping Of Lead Contaminated Material	290.40	
		For 0.025" (25 mil) Application, Add	*15.97*	
		For 0.03" (30 mil) Application, Add	*24.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0054	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material	20.41	
		For 0.025" (25 mil) Application, Add	*1.58*	
		For 0.03" (30 mil) Application, Add	*2.73*	
02 83 19 13-0055	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material	22.33	
		For 0.025" (25 mil) Application, Add	*1.68*	
		For 0.03" (30 mil) Application, Add	*2.87*	
02 83 19 13-0056	SF	Siding, Chemical Stripping Of Lead Contaminated Material	11.63	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.40*	
		For 0.125" (125 mil) Application, Add	*10.41*	
02 83 19 13-0057	SF	Soffit, Chemical Stripping Of Lead Contaminated Material	24.33	
		For 0.025" (25 mil) Application, Add	*1.42*	
		For 0.03" (30 mil) Application, Add	*2.25*	
		For 0.125" (125 mil) Application, Add	*12.08*	
02 83 19 13-0058	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material	11.21	
		For 0.025" (25 mil) Application, Add	*0.76*	
		For 0.03" (30 mil) Application, Add	*1.27*	
		For 0.125" (125 mil) Application, Add	*8.80*	
02 83 19 13-0059	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material	12.72	
		For 0.025" (25 mil) Application, Add	*0.84*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.18*	
02 83 19 13-0060	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material	12.69	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.17*	
02 83 19 13-0061	SF	Steel Trusses, Chemical Stripping Of Lead Contaminated Material	17.97	
		For 0.025" (25 mil) Application, Add	*1.10*	
		For 0.03" (30 mil) Application, Add	*1.77*	
		For 0.125" (125 mil) Application, Add	*10.49*	
02 83 19 13-0062	SF	Wood Surfaces, Chemical Stripping Of Lead Contaminated Material	12.69	
		For 0.025" (25 mil) Application, Add	*0.83*	
		For 0.03" (30 mil) Application, Add	*1.38*	
		For 0.125" (125 mil) Application, Add	*9.17*	
02 83 19 13-0063	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material	29.20	
		For 0.025" (25 mil) Application, Add	*1.66*	
		For 0.03" (30 mil) Application, Add	*2.62*	
02 83 19 13-0064	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material	31.96	
		For 0.025" (25 mil) Application, Add	*1.80*	
		For 0.03" (30 mil) Application, Add	*2.82*	
02 83 19 13-0065	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material	33.82	
		For 0.025" (25 mil) Application, Add	*1.89*	
		For 0.03" (30 mil) Application, Add	*2.96*	
02 83 19 13-0066	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material	35.69	
		For 0.025" (25 mil) Application, Add	*1.98*	
		For 0.03" (30 mil) Application, Add	*3.10*	
02 83 19 13-0067	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material	37.55	
		For 0.025" (25 mil) Application, Add	*2.08*	
		For 0.03" (30 mil) Application, Add	*3.24*	
02 83 19 13-0068	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material	39.50	
		For 0.025" (25 mil) Application, Add	*2.18*	
		For 0.03" (30 mil) Application, Add	*3.39*	
02 83 19 13-0069	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 12/12 light Chemical Stripping Of Lead Contaminated Material	41.30	
		For 0.025" (25 mil) Application, Add	*2.27*	
		For 0.03" (30 mil) Application, Add	*3.52*	
02 83 19 13-0070	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 14/14 Light, Chemical Stripping Of Lead Contaminated Material	42.24	
		For 0.025" (25 mil) Application, Add	*2.31*	
		For 0.03" (30 mil) Application, Add	*3.59*	
02 83 19 13-0071	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 16/16 Light Chemical Stripping Of Lead Contaminated Material	43.20	
		For 0.025" (25 mil) Application, Add	*2.36*	
		For 0.03" (30 mil) Application, Add	*3.67*	
02 83 19 13-0072	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 20/20 Light, Chemical Stripping Of Lead Contaminated Material	44.09	
		For 0.025" (25 mil) Application, Add	*2.40*	
		For 0.03" (30 mil) Application, Add	*3.73*	
02 83 19 13-0073	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material	58.29	
		For 0.025" (25 mil) Application, Add	*3.31*	
		For 0.03" (30 mil) Application, Add	*5.22*	
		For 0.125" (125 mil) Application, Add	*26.57*	
02 83 19 13-0074	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material	10.13	
		For 0.025" (25 mil) Application, Add	*0.66*	
		For 0.03" (30 mil) Application, Add	*1.08*	
		For 0.125" (125 mil) Application, Add	*7.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0075	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	29.65	
		For 0.025" (25 mil) Application, Add	*1.78*	
		For 0.03" (30 mil) Application, Add	*2.86*	
		For 0.125" (125 mil) Application, Add	*16.41*	
02 83 19 13-0076	SF	Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	32.40	
		For 0.025" (25 mil) Application, Add	*1.87*	
		For 0.03" (30 mil) Application, Add	*2.96*	
		For 0.125" (125 mil) Application, Add	*15.60*	

02 83 19 13-0077 Demolish Lead Contaminated Material *(02 83 19 13)*

Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0078	SF	Demolish Ceiling Suspension System, Lead Contaminated Material	2.56	
02 83 19 13-0079	SF	Demolish Suspended Ceiling System And Tile, Lead Contaminated Material	1.49	
02 83 19 13-0080	SF	Demolish Acoustical Ceiling Tile, Lead Contaminated Material	0.95	
02 83 19 13-0081	SF	Demolish Metal Pan Grid System, Lead Contaminated Material	1.48	
02 83 19 13-0082	EA	Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material	71.42	
02 83 19 13-0083	EA	Demolish >2' x 4' Light Fixtures, Lead Contaminated Material	94.74	
02 83 19 13-0084	SF	Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material	10.58	
02 83 19 13-0085	SF	Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material	5.92	
02 83 19 13-0086	SF	Demolish Brick, Lead Contaminated Material	4.46	
02 83 19 13-0087	SF	Demolish Concrete Block, Lead Contaminated Material	5.74	
02 83 19 13-0088	SF	Demolish Tile, Lead Contaminated Material	4.33	
02 83 19 13-0089	SF	Demolish Up To 6" Concrete, Lead Contaminated Material	6.51	
02 83 19 13-0090	IN	Drilling, Up To 1/2" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	5.07	
02 83 19 13-0091	IN	Drilling, >1/2" To 1" Diameter In Lead Paint/Asbestos Material Per Inch Of Depth	6.76	
02 83 19 13-0092	LF	Demolish Wood Balustrades And Railings, Lead Contaminated Material	7.40	
02 83 19 13-0093	LF	Demolish Up To 6" Wide Baseboard, Lead Contaminated Material	1.92	
02 83 19 13-0094	LF	Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material	2.41	
02 83 19 13-0095	LF	Demolish Base Shoe Molding, Lead Contaminated Material	1.57	
02 83 19 13-0096	SF	Demolish Concrete, Lead Contaminated Material	14.73	
02 83 19 13-0097	LF	Demolish Cabinets, Lead Contaminated Material	34.31	
02 83 19 13-0098	SF	Demolish Ceilings, Gypsum Board, Lead Contaminated Material	1.95	
02 83 19 13-0099	SF	Demolish Up To 12" Diameter Columns, Lead Contaminated Material	19.01	
02 83 19 13-0100	SF	Demolish Cornice, Lead Contaminated Material	2.52	
02 83 19 13-0101	EA	Demolish Doors, Lead Contaminated Material	74.44	
02 83 19 13-0102	LF	Demolish Door And Window Wood Trim Or Wood Frames, Lead Contaminated Material	2.26	
02 83 19 13-0103	EA	Demolish Electrical Devices, Lead Contaminated Material	22.84	
02 83 19 13-0104	LF	Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material	2.93	
02 83 19 13-0105	LF	Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material	4.88	
02 83 19 13-0106	SF	Demolish Wood Floors, Lead Contaminated Material	3.51	
02 83 19 13-0107	SF	Demolish Grilles, Lead Contaminated Material	4.13	
02 83 19 13-0108	EA	Demolish Hinges, Lead Contaminated Material	8.31	
02 83 19 13-0109	EA	Demolish Up To 6" Diameter Hangers, Lead Contaminated Material	17.84	
02 83 19 13-0110	LF	Demolish Up To 2" Diameter Pipes, Lead Contaminated Material	7.32	
02 83 19 13-0111	LF	Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material	10.67	
02 83 19 13-0112	LF	Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material	16.13	
02 83 19 13-0113	LF	Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material	29.75	
02 83 19 13-0114	EA	Demolish Radiators, Lead Contaminated Material	128.48	
02 83 19 13-0115	EA	Demolish Shutters, Lead Contaminated Material	50.07	
02 83 19 13-0116	SF	Demolish Siding, Lead Contaminated Material	1.99	
02 83 19 13-0117	SF	Demolish Soffit, Lead Contaminated Material	1.69	
02 83 19 13-0118	SF	Demolish Flat Steel Surfaces, Lead Contaminated Material	4.63	
02 83 19 13-0119	SF	Demolish Steel Beams, Lead Contaminated Material	5.46	
02 83 19 13-0120	SF	Demolish Trusses, Lead Contaminated Material	7.15	
02 83 19 13-0121	SF	Demolish Walls, Wood, Lead Contaminated Material	5.29	
02 83 19 13-0122	SF	Demolish Windows, Lead Contaminated Material	17.77	
02 83 19 13-0123	SF	Demolish Metal Stair, Lead Contaminated Material	8.51	
02 83 19 13-0124	LF	Demolish Single Metal Hand Rail, Lead Contaminated Material	6.26	
02 83 19 13-0125	LF	Demolish Metal Railing And Posts, Lead Contaminated Material	10.21	
02 83 19 13-0126	SF	Demolish Metal Picket Fence, Lead Contaminated Material	2.81	
02 83 19 13-0127	SF	Demolish Plywood, Lead Contaminated Material	7.69	
02 83 19 13-0128	SF	Demolish Planks (Various Sizes), Lead Contaminated Material	3.75	
02 83 19 13-0129	EA	Demolish Metal Brackets Or Other Small Metal Shapes, Lead Contaminated Material	23.45	
02 83 19 13-0130	SF	Demolish Ceramic Tile Block, Lead Contaminated Material	5.12	
02 83 19 13-0131	LF	Demolish Metal Guard Rails, Lead Contaminated Material	14.07	
02 83 19 13-0132	SF	Demolish Up To 100 SF Gypsum Wall Board, Lead Contaminated Material	7.51	
02 83 19 13-0133	SF	Demolish >100 To 500 SF Gypsum Wall Board, Lead Contaminated Material	5.39	
02 83 19 13-0134	SF	Demolish >500 To 2,500 SF Gypsum Wall Board, Lead Contaminated Material	4.22	
02 83 19 13-0135	SF	Demolish >2,500 SF Gypsum Wall Board, Lead Contaminated Material	3.28	
02 83 19 13-0136	SF	Demolish Up To 100 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	23.45	
02 83 19 13-0137	SF	Demolish >100 To 500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	16.68	
02 83 19 13-0138	SF	Demolish >500 To 2,500 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	12.50	
02 83 19 13-0139	SF	Demolish >2,500 To 10,000 SF Plaster/Stucco, Lead Contaminated Material Note: Includes lath on plaster and backing insulation on stucco.	9.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0140	LF	Demolish Roof Metal Trim, Lead Contaminated Material	3.00	
02 83 19 13-0141	LF	Demolish Rain Gutters, Lead Contaminated Material	5.16	
02 83 19 13-0142	LF	Demolish Downspouts, Lead Contaminated Material	4.22	
02 83 19 13-0143	SF	Demolish Corrugated Metal Roofing, Lead Contaminated Material	5.21	
02 83 19 13-0144	LF	Demolish Roof Metal Flashing, Lead Contaminated Material	3.00	
02 83 19 13-0145	LF	Demolish Fascia Board Up To 12", Lead Contaminated Material	7.51	
02 83 19 13-0146		Wet Sanding/Light Scraping Of Lead Contaminated Material *(02 83 19 13)*		
		Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0147	SF	Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting	3.58	
02 83 19 13-0148		Lead Abatement Encapsulation *(02 83 19 13)*		
		Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0149	SF	Balustrades, Lead Abatement Encapsulation	6.51	
02 83 19 13-0150	LF	Up To 6" Wide, Baseboard, Lead Abatement Encapsulation	6.43	
02 83 19 13-0151	LF	>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation	8.73	
02 83 19 13-0152	SF	Brick, Concrete Block, Concrete, Lead Abatement Encapsulation	4.19	
02 83 19 13-0153	SF	Ornate Cabinets, Lead Abatement Encapsulation	9.41	
02 83 19 13-0154	SF	Simple Design Cabinets, Lead Abatement Encapsulation	7.67	
02 83 19 13-0155	SF	Drywall Ceilings, Lead Abatement Encapsulation	2.64	
02 83 19 13-0156	SF	Wood Ceilings, Lead Abatement Encapsulation	3.20	
02 83 19 13-0157	SF	Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation	2.97	
02 83 19 13-0158	SF	Columns, Lead Abatement Encapsulation	5.06	
02 83 19 13-0159	SF	Doors, Lead Abatement Encapsulation	9.63	
02 83 19 13-0160	LF	Up To 2" Electrical Conduit, Lead Abatement Encapsulation	4.25	
02 83 19 13-0161	SF	Picket Fence (Brush), Lead Abatement Encapsulation	3.03	
02 83 19 13-0162	SF	Wood Floors (Roller), Lead Abatement Encapsulation	2.54	
02 83 19 13-0163	SF	Grilles, Vents, Lead Abatement Encapsulation	7.02	
02 83 19 13-0164	LF	Gutters And Downspouts, Lead Abatement Encapsulation	6.51	
02 83 19 13-0165	EA	Hangers, Lead Abatement Encapsulation	55.22	
02 83 19 13-0166	LF	Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation	3.95	
02 83 19 13-0167	LF	>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation	5.71	
02 83 19 13-0168	LF	>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation	8.86	
02 83 19 13-0169	LF	>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation	13.08	
02 83 19 13-0170	EA	Radiators, Lead Abatement Encapsulation	143.47	
02 83 19 13-0171	EA	Up To 6' Shutters, Lead Abatement Encapsulation	204.82	
02 83 19 13-0172	SF	Siding, Lead Abatement Encapsulation	3.61	
02 83 19 13-0173	SF	Up To 12" Soffit, Lead Abatement Encapsulation	5.06	
02 83 19 13-0174	SF	Steel, Flat Surfaces And Tanks Up To 12', Lead Abatement Encapsulation	4.19	
02 83 19 13-0175	SF	Steel Beams And Metal Decks, Lead Abatement Encapsulation	5.47	
02 83 19 13-0176	SF	Trusses, Lead Abatement Encapsulation	5.47	
02 83 19 13-0177	SF	Drywall Walls, Lead Abatement Encapsulation	2.36	
02 83 19 13-0178	SF	Wood Walls, Lead Abatement Encapsulation	2.89	
02 83 19 13-0179	EA	Window Without Grille, Lead Abatement Encapsulation	121.63	
02 83 19 13-0180	EA	Window With Grille, Lead Abatement Encapsulation	156.32	
02 83 19 13-0181	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation	3.71	
02 83 19 13-0182	LF	Steel Lintels, Lead Abatement Encapsulation	4.27	
02 83 33		**Removal and Disposal of Material Containing Lead** *(02 83)*		
02 83 33 13		**Lead-Based Paint Removal and Disposal** *(02 83 33)*		
02 83 33 13-0001		Remove Loose Dirt And Debris Containing Lead *(02 83 33 13)*		
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent	0.30	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate	0.29	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting	1.48	
02 84		**Polychlorinated Biphenyl Remediation** *(02 80)*		
02 84 16		**Handling of Lighting Ballasts and Lamps Containing PCBs and Mercury** *(02 84)*		
02 84 16 00-0001		Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures *(02 84 16)*		
		Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.		
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling	8.18	
02 84 16 00-0003		Recycle TSCA-Exempt PCB And Non-PCB Ballasts *(02 84 16)*		
		Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.		
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	3.31	
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	4.21	
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	9.96	
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	20.84	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 84 16 00-0008		Disposal Of Leaking PCB And Non-PCB Ballasts *(02 84 16)* Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.		
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	6.03	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	8.30	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures	25.59	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures	49.70	
02 84 33		**Removal and Disposal of Polychlorinated Biphenyls** *(02 84)*		
02 84 33 00-0001		Removal And Disposal Of Polychlorinated Biphenyls Oil Filled Transformers *(02 84 33)* Note: Includes disposal in approved container, rigging, manifesting, hauling, etc.		
02 84 33 00-0002	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	3,641.70	
02 84 33 00-0003	EA	Removal And Disposal Of Transformers 20 KVA, Non-Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	5,733.47	
02 84 33 00-0004	EA	Removal And Disposal Of Switch, Non-Polychlorinated Biphenyl (PCB)	1,545.07	
02 84 33 00-0005	EA	Removal And Disposal Of Transformers 2.5/3.5 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	6,933.78	
02 84 33 00-0006	EA	Removal And Disposal Of Switch, Polychlorinated Biphenyl (PCB)	2,759.03	
02 84 33 00-0007	EA	Removal And Disposal Of Transformers 20 KVA, Polychlorinated Biphenyl (PCB) Note: Includes disposal costs.	10,954.12	
02 86		**Hazardous Waste Drum Handling** *(02 80)*		
02 86 00 00-0001		Hazardous Waste Packaging *(02 86)*		
02 86 00 00-0002		Overpacks *(02 86 00 00-0001)*		
02 86 00 00-0003		Steel Salvage Drums, 16 Gauge *(02 86 00 00-0002)*		
02 86 00 00-0004	EA	110 Gallon, 30" Diameter X 41" High	515.13	
02 86 00 00-0005	EA	85 Gallon, 26" Diameter X 38" High	293.23	
02 86 00 00-0006	EA	83 Gallon, 26" Diameter X 36" High	283.01	
02 86 00 00-0007	EA	55 Gallon, DOT 17C, 18" Diameter X 34" High	177.06	
02 86 00 00-0008	EA	30 Gallon, DOT 17C, 18" Diameter X 28" High	139.48	
02 86 00 00-0009	EA	22 Gallon, 16" Diameter X 25" High	93.97	
02 86 00 00-0010	EA	15 Gallon, DOT 17C, 14" Diameter X 24" High	84.97	
02 86 00 00-0011	EA	10 Gallon, 13.8" Diameter X 15" High	74.87	
02 86 00 00-0012		Polyethylene Overpacks *(02 86 00 00-0002)*		
02 86 00 00-0013	EA	95 Gallon, DOT E9618, Twist On Lid 31" Diameter X 41" High	581.87	
02 86 00 00-0014	EA	20 Gallon, Labpack, Twist On Lid 21" Diameter X 7.5" High	107.53	
02 86 00 00-0015	EA	85 Gallon, DOT E9775, Clamp Ring Lid, 27" Diameter X 41" High	526.52	
02 86 00 00-0016		Composite Overpacks *(02 86 00 00-0002)*		
02 86 00 00-0017	EA	55 Gal, DOT 17C, Steel Drum Nested With 2-20 Gallon Fiber Drums	285.72	
02 86 00 00-0018	EA	55 Gal, DOT 17C, Steel Drum Nested With 4-10 Gallon Fiber Drums	392.08	
02 86 00 00-0019	EA	85 Gal, 16 Gauge Salvage Drum Nested With 3-20 Gallon Fiber Drums	531.82	
02 86 00 00-0020		DOT E-9168 Exempt Packaging *(02 86 00 00-0002)*		
02 86 00 00-0021	EA	32 Oz Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	49.55	
02 86 00 00-0022	EA	950 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	52.28	
02 86 00 00-0023	EA	500 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	51.11	
02 86 00 00-0024	EA	250 cc Bottle, Carton, Insert, Can, Poly Bag And Tape -E9168	25.31	
02 86 00 00-0025	EA	Can, Carton, Insert, Tape - Corrosive And Flammable - UPS	15.31	
02 86 00 00-0026	EA	16 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	8.10	
02 86 00 00-0027	EA	32 Oz Bottle, Carton, Insert And Tape, Sludge/Viscous, UPS	10.53	
02 86 00 00-0028		Steel Drums *(02 86 00 00-0001)*		
02 86 00 00-0029		UN Rated Steel Drums *(02 86 00 00-0028)*		
02 86 00 00-0030	EA	UN 1A2/X 320/S 55 Gallon, Open, 16 Gauge, Steel Drum	135.52	
02 86 00 00-0031	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (25-49)	1,380.00	
02 86 00 00-0032	EA	8 Gallon, 17C, Open, Steel Drum	95.94	
02 86 00 00-0033	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (10-24)	1,113.58	
02 86 00 00-0034	EA	55 Gallon Reconditioned Steel 17h Drum (50+)	93.85	
02 86 00 00-0035	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (25-49)	1,092.62	
02 86 00 00-0036	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (10-24)	1,598.52	
02 86 00 00-0037	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (50+)	1,308.15	
02 86 00 00-0038	EA	UN 1A2/X 320/S 55 Gallon, Closed, 16 Gauge, Steel Drum	128.09	
02 86 00 00-0039	EA	UN 1A2/Y 1.4/100 55 Gallon, Open, 16 Gauge, Steel Drum	103.86	
02 86 00 00-0040	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (1-9)	1,445.85	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 86 00 00-0041	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (25-49)	1,568.59	
02 86 00 00-0042	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (50+)	984.86	
02 86 00 00-0043	EA	55 Gallon Stainless Steel DOT 5C Ch Seamless Drum 16-Gauge (50+)	1,412.93	
02 86 00 00-0044	EA	UN 1A2/Y 1.4/100 55 Gallon, Closed, 16 Gauge, Steel Drum	81.85	
02 86 00 00-0045	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (10-24)	1,418.91	
02 86 00 00-0046	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	927.98	
02 86 00 00-0047	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	892.06	
02 86 00 00-0048	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (1-9)	1,508.72	
02 86 00 00-0049	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (25-49)	1,278.22	
02 86 00 00-0050	EA	UN 1A2/X 160/S 30 Gallon, Open, 18 Gauge, Steel Drum	94.88	
02 86 00 00-0051	EA	55 Gallon Stainless Steel DOT 5C Oh 16-Gauge Drum (50+)	1,212.36	
02 86 00 00-0052	EA	UN 1A2/Y 1.4/100 30 Gallon, Open, 18 Gauge, Steel Drum	80.65	
02 86 00 00-0053	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (10-24)	1,472.80	
02 86 00 00-0054	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	853.14	
02 86 00 00-0055	EA	30 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	823.21	
02 86 00 00-0056	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (25-49)	1,445.85	
02 86 00 00-0057	EA	30 Gallon, 17E, Open, Steel Drum	58.51	
02 86 00 00-0058	EA	55 Gallon Reconditioned Steel 17h Drum (1-9)	137.65	
02 86 00 00-0059	EA	20 Gallon, 17C, Open, Steel Drum	82.23	
02 86 00 00-0060	EA	55 Gallon Stainless Steel DOT 5C Ch 16-Gauge Drum (50+)	1,302.17	
02 86 00 00-0061	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (1-9)	1,559.61	
02 86 00 00-0062	EA	55 Gallon Reconditioned Steel 17h Drum (10-24)	122.00	
02 86 00 00-0063	EA	55 Gallon Reconditioned Steel 17h Drum (25-49)	106.36	
02 86 00 00-0064	EA	55 Gallon Stainless Steel DOT 17E Ch 18-Gauge Drum (1-9)	1,140.52	
02 86 00 00-0065	EA	55 Gallon Stainless Steel DOT 5C Seamless Oh Drum 16-Gauge (10-24)	1,529.67	
02 86 00 00-0066	EA	20 Gallon, 17E, Open, Steel Drum	55.35	

02 86 00 00-0067 Plastic Drums *(02 86 00 00-0001)*

02 86 00 00-0068 Polyethylene Closed Head Drums *(02 86 00 00-0067)*

Note: Closed head drums have standard NPS (National Pipe Standard) plug and drain vents. Primarily for liquids.

02 86 00 00-0069	EA	55 Gallon Polyethylene Closed Head Drums	85.08	
02 86 00 00-0070	EA	35 Gallon Polyethylene Closed Head Drums	65.31	
02 86 00 00-0071	EA	30 Gallon Polyethylene Closed Head Drums	59.30	
02 86 00 00-0072	EA	20 Gallon Polyethylene Closed Head Drums	41.43	
02 86 00 00-0073	EA	15 Gallon Polyethylene Closed Head Drums	40.64	

02 86 00 00-0074 Polyethylene Open Head Drums *(02 86 00 00-0067)*

Note: Open head drums are primarily used for solids and sludge.

02 86 00 00-0075	EA	55 Gallon Polyethylene Open Head Drums	107.53	
02 86 00 00-0076	EA	35 Gallon Polyethylene Open Head Drums	79.07	
02 86 00 00-0077	EA	30 Gallon Polyethylene Open Head Drums	75.11	
02 86 00 00-0078	EA	20 Gallon Polyethylene Open Head Drums	55.35	
02 86 00 00-0079	EA	15 Gallon Polyethylene Open Head Drums	47.44	

02 86 00 00-0080 Fiber Drums *(02 86 00 00-0001)*

02 86 00 00-0081 Steel Top/Fiber Bottom Drums, Hazardous *(02 86 00 00-0080)*

Note: Waste fiber drums have tubular rubber gaskets and caulked bottom seams.

02 86 00 00-0082	EA	30 Gallon Fiber Drum DOT-21C (1-9)	65.15	
02 86 00 00-0083	EA	30 Gallon Fiber Drum DOT-21C (10-24)	61.04	
02 86 00 00-0084	EA	30 Gallon Fiber Drum DOT-21C (25-49)	55.66	
02 86 00 00-0085	EA	30 Gallon Fiber Drum DOT-21C (50+)	55.03	
02 86 00 00-0086	EA	55 Gallon Fiber Drum DOT-21C (1-9)	67.05	
02 86 00 00-0087	EA	55 Gallon Fiber Drum DOT-21C (10-24)	63.25	
02 86 00 00-0088	EA	55 Gallon Fiber Drum DOT-21C (25-49)	58.51	
02 86 00 00-0089	EA	55 Gallon Fiber Drum DOT-21C (50-99)	56.61	
02 86 00 00-0090	EA	55 Gallon Fiber Drum DOT-21C (100+)	49.02	
02 86 00 00-0091	EA	10 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	41.75	
02 86 00 00-0092	EA	20 Gallon, 20" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	45.54	
02 86 00 00-0093	EA	20 Gallon, 23" Diameter, DOT 21C-250 Polyethylene/Polyester Lined	53.13	

02 86 00 00-0094 Loading Hazardous Waste For Shipment *(02 86 00 00-0001)*

02 86 00 00-0095	EA	Load Drums On Disposal Truck	11.96	
02 86 00 00-0096	EA	Load Liquid Or Sludge Into 5,000 Gallon Bulk Tank Truck	1,246.32	

02 86 00 00-0097 Transport Drums To Landfill *(02 86 00 00-0001)*

Note: Includes transportation for up to 25 miles.

02 86 00 00-0098	EA	Transport Drum To Landfill Note: Includes transportation for up to 25 miles.	102.29	

02 87 Bio-Hazard Material Remediation *(02 80)*

02 87 13 Mold Remediation *(02 87)*

Note: All unit pricing in this section includes: materials, equipment, mobilization, preparation, removal, cleanup, vacuuming, transportation for up to 25 miles, disposal, monitoring (personnel and air), sampling/testing, fees, documentation and other

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold are listed by quantity, the quantity of the entire project, not a particular work area of building, is to be used in determining which tasks apply. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 100 LF or SF (Up to 25 LF for Mold Abatement pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0033 for temporary stud walls, 01 74 19 00-0048 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0003 for plastic sheeting for containment construction, 02 89 00 00-0010 for decontamination chambers.

02 87 13 33 Removal and Disposal of Materials with Mold *(02 87 13)*

02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal *(02 87 13 33)*
Note: Treat fittings as additional lf of insulation.

02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0001)*
Note: Diameter is outer size of insulation.

02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*
Note: Excludes encased fittings.

02 87 13 33-0004	SET	Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	832.43
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	32.28
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	24.32
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	18.34
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	13.86
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal	12.11

02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal *(02 87 13 33-0002)*

02 87 13 33-0011	SET	Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	857.77
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	38.33
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	29.17
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	22.30
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal	17.14
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal	15.14

02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal *(02 87 13 33-0017)*

02 87 13 33-0019	SET	Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	845.10
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	18.73
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	14.15
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal	10.72
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal	8.31

02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal *(02 87 13 33)*
Note: e.g. fireproofing, acoustical plaster, etc.

02 87 13 33-0025 Stucco, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET	Up To 50 SF, Stucco, Mold Abatement And Disposal	838.06
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal	18.59
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal	14.01
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal	10.58
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal	8.02

02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET	Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal	838.06
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal	18.59
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal	14.01
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	10.58
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal	8.02

02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal *(02 87 13 33-0024)*

02 87 13 33-0038	SET	Up To 100 SF, Gypsum Board, Mold Abatement And Disposal	852.14
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal	6.20
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal	4.92
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal	3.88
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal	2.85

02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal *(02 87 13 33-0024)*
Note: Exposed surface area, includes associated overspray.

02 87 13 33-0044	SET	Up To 50 SF, Fireproofing, Mold Abatement And Disposal	845.10
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal	25.65
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal	19.37
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal	14.63
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal	11.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0049		Flooring, Mold Abatement And Disposal *(02 87 13 33)* Note: Includes cove base.		
02 87 13 33-0050		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0051		Floor Tile Or Linoleum, Mold Abatement And Disposal *(02 87 13 33-0050)* Note: Single layer or first of multiple layers.		
02 87 13 33-0052	SET	Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	852.14	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	6.17	
		For Each Additional Layer, Add	*1.54*	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	3.45	
		For Each Additional Layer, Add	*0.86*	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	2.00	
		For Each Additional Layer, Add	*0.50*	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal	1.55	
		For Each Additional Layer, Add	*0.39*	
02 87 13 33-0057		Carpet, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0058		Carpet, Glue Down, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0059	SET	Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal	852.14	
02 87 13 33-0060	SF	>100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal	5.13	
02 87 13 33-0061	SF	>500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal	3.22	
02 87 13 33-0062	SF	>2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	2.16	
02 87 13 33-0063	SF	>10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal	1.66	
02 87 13 33-0064		Carpet, Padded With Tack Strips, Mold Abatement And Disposal *(02 87 13 33-0057)*		
02 87 13 33-0065	SET	Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	852.14	
02 87 13 33-0066	SF	>100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	5.77	
02 87 13 33-0067	SF	>500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	4.20	
02 87 13 33-0068	SF	>2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	3.33	
02 87 13 33-0069	SF	>10,000 SF, Carpet And Pad, Mold Abatement And Disposal Note: Includes tack strips.	2.57	
02 87 13 33-0070		Subflooring, Mold Abatement And Disposal *(02 87 13 33-0049)*		
02 87 13 33-0071	SET	Up To 75 SF, Subflooring, Mold Abatement And Disposal	845.10	
02 87 13 33-0072	SF	>75 To 500 SF, Subflooring, Mold Abatement And Disposal	7.09	
02 87 13 33-0073	SF	>500 To 2,500 SF, Subflooring, Mold Abatement And Disposal	4.54	
02 87 13 33-0074	SF	>2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal	2.74	
02 87 13 33-0075	SF	>10,000 SF, Subflooring, Mold Abatement And Disposal	1.75	
02 87 13 33-0076		Siding, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0077		Interior Paneling, Mold Abatement And Disposal *(02 87 13 33-0076)* Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET	Up To 100 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	852.14	
02 87 13 33-0079	SF	>100 To 500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	6.14	
02 87 13 33-0080	SF	>500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	4.32	
02 87 13 33-0081	SF	>2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	2.52	
02 87 13 33-0082	SF	>10,000 SF, Interior Paneling, Mold Abatement And Disposal Note: Includes detachment of mounted objects before removal.	1.93	
02 87 13 33-0083		Exterior Siding, Mold Abatement And Disposal *(02 87 13 33-0076)*		
02 87 13 33-0084	SET	Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal	852.14	
02 87 13 33-0085	SF	>100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal	7.64	
02 87 13 33-0086	SF	>500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal	5.30	
02 87 13 33-0087	SF	>2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.57	
02 87 13 33-0088	SF	>10,000 SF, Exterior Siding Board, Mold Abatement And Disposal	3.22	
02 87 13 33-0089		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33)*		
02 87 13 33-0090		Contaminated Debris, Mold Abatement And Disposal *(02 87 13 33-0089)*		
02 87 13 33-0091	SET	Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal	857.77	
02 87 13 33-0092	CF	>20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal	30.18	
02 87 13 33-0093	CF	>100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal	20.69	
02 87 13 33-0094	CF	>250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal	15.94	
02 87 13 33-0095	CF	>500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal	13.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 13 33-0096	CF	>2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.92	
02 87 13 33-0097	CF	>10,000 CF, Contaminated Debris, Mold Abatement And Disposal	7.29	

02 87 13 33-0098 Other Mold Containing Materials, Mold Abatement And Disposal *(02 87 13 33)*

02 87 13 33-0099 Wood Studs, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.

02 87 13 33-0100	SET	Up To 100 LF, Wood Studs, Mold Abatement And Disposal	426.06	
02 87 13 33-0101	LF	>100 To 500 LF, Wood Studs, Mold Abatement And Disposal	3.46	
02 87 13 33-0102	LF	>500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal	2.57	
02 87 13 33-0103	LF	>2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal	2.01	
02 87 13 33-0104	LF	>10,000 LF, Wood Studs, Mold Abatement And Disposal	1.52	

02 87 13 33-0105 Ceiling Tile, Mold Abatement And Disposal *(02 87 13 33-0098)*

Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.

02 87 13 33-0106	SET	Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal	852.14	
02 87 13 33-0107	SF	>100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal	10.58	
02 87 13 33-0108	SF	>1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal	4.97	
02 87 13 33-0109	SF	>2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.57	
02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.52	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.45	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal	3.03	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal	2.64	

02 87 13 33-0114 Caulking, Mold Abatement And Disposal *(02 87 13 33-0098)*

02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal	206.46	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal	4.14	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal	2.96	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal	2.25	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal	1.67	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal	1.35	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal	1.16	

02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors *(02 87 13 33-0098)*

02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution	22.89	
		For >25 To 50, Deduct	*-2.29*	
		For >50 To 200, Deduct	*-5.72*	
		For >200, Deduct	*-9.15*	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution	26.94	
		For >25 To 50, Deduct	*-2.69*	
		For >50 To 200, Deduct	*-6.73*	
		For >200, Deduct	*-10.77*	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution	30.65	
		For >25 To 50, Deduct	*-3.06*	
		For >50 To 200, Deduct	*-7.66*	
		For >200, Deduct	*-12.26*	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution	24.98	
		For >25 To 50, Deduct	*-2.50*	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution	31.70	
		For >25 To 50, Deduct	*-3.17*	
		For >50 To 200, Deduct	*-7.92*	
		For >200, Deduct	*-12.68*	

02 87 13 33-0128 Cabinets *(02 87 13 33-0098)*

02 87 13 33-0129	SET	Up To 10 LF, Base Cabinet, Mold Abatement And Disposal	899.67	
02 87 13 33-0130	LF	>10 To 20 LF, Base Cabinet, Mold Abatement And Disposal	94.96	
02 87 13 33-0131	LF	>20 LF, Base Cabinet, Mold Abatement And Disposal	70.01	
02 87 13 33-0132	SET	Up To 10 LF, Wall Cabinet, Mold Abatement And Disposal	848.99	
02 87 13 33-0133	LF	>10 To 20 LF, Wall Cabinet, Mold Abatement And Disposal	79.92	
02 87 13 33-0134	LF	>20 LF, Wall Cabinet, Mold Abatement And Disposal	54.97	

02 87 16 Excrement Removal *(02 87)*

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, cleanup, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

02 87 16 13 Bird Excrement Removal *(02 87 16)*

02 87 16 13-0001 Bird Waste Removal *(02 87 16 13)*

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF Bird Waste Removal, Up To 3" Thickness	823.98	
		For Work In Restricted Working Space, Add	*247.19*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 16 13-0003	SF	>10 To 500 SF Bird Waste Removal, Up To 3" Thickness	13.73	
		For Work In Restricted Working Space, Add	*4.12*	
02 87 16 13-0004	SF	>500 To 2,500 SF Bird Waste Removal, Up To 3" Thickness	12.49	
		For Work In Restricted Working Space, Add	*3.75*	
02 87 16 13-0005	SF	>2,500 To 10,000 SF Bird Waste Removal, Up To 3" Thickness	11.35	
		For Work In Restricted Working Space, Add	*3.41*	
02 87 16 13-0006	SF	>10,000 SF Bird Waste Removal, Up To 3" Thickness	10.32	
		For Work In Restricted Working Space, Add	*3.10*	

02 87 19 Bio-Hazard and Infectious Disease Control Remediation *(02 87)*

02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	725.12	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	688.81	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	543.55	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	628.28	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003) Note: Includes a hydraulic closer and a lever style lockset standard.	1,227.48	
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	249.81	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.30	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	356.51	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	207.45	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,469.58	
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	207.45	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,106.43	
02 87 19 00-0015	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.38	
02 87 19 00-0016	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.36	

02 87 19 00-0017 Temporary Sheeting For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal and disposal in approved landfill after use.

02 87 19 00-0018	SF	6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.63	
02 87 19 00-0019	SF	6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.84	
02 87 19 00-0020	SF	6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.13	
02 87 19 00-0021	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control	0.75	
02 87 19 00-0022	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control	0.96	
02 87 19 00-0023	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control	1.25	

02 87 19 00-0024 Temporary Floor Protection For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0025	SF	1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.06	
02 87 19 00-0026	SF	1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.08	
02 87 19 00-0027	SF	3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control	2.45	

02 87 19 00-0028 Temporary Stud Wall For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

Note: Includes removal after use.

02 87 19 00-0029	SF	1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	6.95	
02 87 19 00-0030	SF	1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.65	
02 87 19 00-0031	SF	5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	7.12	
02 87 19 00-0032	SF	5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	9.98	
02 87 19 00-0033	SF	6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control	4.03	

02 87 19 00-0034 Isolation Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

02 87 19 00-0035	GSF	Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.	26.43	
02 87 19 00-0036	GSF	Relocate Tent Construction To Different Area	3.23	

02 87 19 00-0037 Plexiglass Barriers For Bio-Hazard And Infectious Disease Control *(02 87 19 00-0001)*

02 87 19 00-0038	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	22.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0039	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	26.25	
02 87 19 00-0040	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control	36.65	
02 87 19 00-0041	PR	Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control Note: Excludes gloves.	1,533.37	
02 87 19 00-0042	PR	Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	549.47	
02 87 19 00-0043	PR	Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control Note: For installation in glove iris port.	874.93	
02 87 19 00-0044	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	161.63	

02 87 19 00-0045 Temporary Portable And Mobile Trailers *(02 87 19)*

02 87 19 00-0046 Trailer Delivery *(02 87 19 00-0045)*

02 87 19 00-0047	EA	Deliver Trailer Within 25 Miles	1,235.00	

02 87 19 00-0048 Portable And Mobile Trailers, Purchase *(02 87 19 00-0045)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

02 87 19 00-0049	EA	8' x 24' Mobile Trailer With Toilet, Purchase	13,422.07	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0050	EA	8' x 32' Mobile Trailer With Toilet, Purchase	18,959.89	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0051	EA	10' x 36' Mobile Trailer With Toilet, Purchase	27,048.82	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0052	EA	10' x 44' Mobile Trailer With Toilet, Purchase	33,796.72	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0053	EA	10' x 50' Mobile Trailer With Toilet, Purchase	38,422.54	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0054	EA	12' x 50' Mobile Trailer With Toilet, Purchase	40,395.50	
		For Tie-Downs, Add	*133.31*	
02 87 19 00-0055	EA	12' x 60' Mobile Trailer With Toilet, Purchase	44,947.83	
		For Tie-Downs, Add	*133.31*	

02 87 19 00-0056 Accessories For Portable And Mobile Trailers *(02 87 19 00-0045)*

02 87 19 00-0057 Skirting *(02 87 19 00-0056)*

Note: Includes 2" x 4" wood framing 16" on center.

02 87 19 00-0058	SF	1'-8" High Vinyl Covered Skirt	5.75	2.28
02 87 19 00-0059	SF	3' High Vinyl Covered Skirt	8.46	3.76

02 87 19 00-0060 Aluminum Modular Access Ramp *(02 87 19 00-0056)*

Note: Includes picketed guardrails, inside grab rails, legs and hardware.

02 87 19 00-0061	EA	Up To 35" High, Aluminum Modular Access Ramp	3,928.56	43.64

02 87 19 00-0062 Aluminum Modular Stairs *(02 87 19 00-0056)*

Note: Excludes earthwork

02 87 19 00-0063	EA	Aluminum Steps For Mobile Trailers	1,086.77	

02 87 19 00-0064 Decontamination Chambers For Bio-Hazard And Infectious Disease Control *(02 87 19)*

Note: Includes removal after use.

02 87 19 00-0065	EA	Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,063.01	
02 87 19 00-0066	EA	Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,253.36	
02 87 19 00-0067	EA	Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	652.79	

02 87 19 00-0068 Bio-Hazard And Infectious Disease Control Cleaning, Level 2 *(02 87 19)*

Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0138 for disposal of material into approved landfill.

02 87 19 00-0069 Bio-Hazard And Infectious Disease Control Cleaning Mobilization *(02 87 19 00-0068)*

02 87 19 00-0070	EA	Bio-Hazard And Infectious Disease Control Mobilization And Set-Up Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.	422.83	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0071		**Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces** *(02 87 19 00-0068)*		
		Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces		
02 87 19 00-0072	CSF	Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	31.34	
		For >25 To 50, Deduct	*-3.13*	
		For >50 To 200, Deduct	*-6.26*	
		For >200, Deduct	*-9.40*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.26*	
		For Level 3 Biohazard Cleaning, Add	*10.34*	
02 87 19 00-0073	CSF	Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	36.87	
		For >25 To 50, Deduct	*-3.69*	
		For >50 To 200, Deduct	*-7.37*	
		For >200, Deduct	*-11.06*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-7.37*	
		For Level 3 Biohazard Cleaning, Add	*12.16*	
02 87 19 00-0074	CSF	Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	41.94	
		For >25 To 50, Deduct	*-4.19*	
		For >50 To 200, Deduct	*-8.38*	
		For >200, Deduct	*-12.58*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.38*	
		For Level 3 Biohazard Cleaning, Add	*13.83*	
02 87 19 00-0075	CSF	Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	34.18	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For >5 To 10, Deduct	*-1.71*	
		For >10 To 50, Deduct	*-3.42*	
		For >50, Deduct	*-6.83*	
		For Level 1 Biohazard Cleaning, Deduct	*-6.83*	
		For Level 3 Biohazard Cleaning, Add	*11.27*	
02 87 19 00-0076	CSF	Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	43.39	
		For >25 To 50, Deduct	*-4.34*	
		For >50 To 200, Deduct	*-8.67*	
		For >200, Deduct	*-13.01*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*14.99*	
		For Level 1 Biohazard Cleaning, Deduct	*-8.67*	
		For Level 3 Biohazard Cleaning, Add	*14.31*	
02 87 19 00-0077		**Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials** *(02 87 19 00-0068)*		
		Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect		
02 87 19 00-0078	EA	Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	81.01	
		For Level 1 Biohazard Cleaning, Deduct	*-16.20*	
		For Level 3 Biohazard Cleaning, Add	*26.73*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0079	EA	Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	37.17	
		For Level 1 Biohazard Cleaning, Deduct	*-7.43*	
		For Level 3 Biohazard Cleaning, Add	*12.26*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*5.00*	
02 87 19 00-0080	EA	Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	130.51	
		For Level 1 Biohazard Cleaning, Deduct	*-26.10*	
		For Level 3 Biohazard Cleaning, Add	*43.06*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0081	EA	Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution	8.04	
		For Level 1 Biohazard Cleaning, Deduct	*-1.60*	
		For Level 3 Biohazard Cleaning, Add	*2.65*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	
02 87 19 00-0082	EA	Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	120.31	
		Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers		
		For Level 1 Biohazard Cleaning, Deduct	*-24.06*	
		For Level 3 Biohazard Cleaning, Add	*39.70*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*7.50*	
02 87 19 00-0083	EA	Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Cleanup	12.85	
		For Level 1 Biohazard Cleaning, Deduct	*-2.57*	
		For Level 3 Biohazard Cleaning, Add	*4.23*	
		For Cleaning Surfaces With Goldshield® GS5, Add	*1.50*	
02 87 19 00-0084		**Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork** *(02 87 19 00-0068)*		
02 87 19 00-0085	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	4.72	
		For Level 1 Biohazard Cleaning, Deduct	*-0.94*	
		For Level 3 Biohazard Cleaning, Add	*1.55*	
02 87 19 00-0086	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	5.93	
		For Level 1 Biohazard Cleaning, Deduct	*-1.17*	
		For Level 3 Biohazard Cleaning, Add	*1.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0087	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	7.95	
		For Level 1 Biohazard Cleaning, Deduct	*-1.57*	
		For Level 3 Biohazard Cleaning, Add	*2.58*	
02 87 19 00-0088	LF	>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning	11.27	
		For Level 1 Biohazard Cleaning, Deduct	*-2.20*	
		For Level 3 Biohazard Cleaning, Add	*3.64*	
02 87 19 00-0089	EA	Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning	211.43	
		For Level 1 Biohazard Cleaning, Deduct	*-42.28*	
		For Level 3 Biohazard Cleaning, Add	*69.77*	
02 87 19 00-0090	SF	Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning	14.70	
		For Level 1 Biohazard Cleaning, Deduct	*-2.94*	
		For Level 3 Biohazard Cleaning, Add	*4.84*	
02 87 19 00-0091	EA	Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning	140.97	
		For Level 1 Biohazard Cleaning, Deduct	*-28.19*	
		For Level 3 Biohazard Cleaning, Add	*46.51*	
02 87 19 00-0092	EA	Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning	422.85	
		For Level 1 Biohazard Cleaning, Deduct	*-84.57*	
		For Level 3 Biohazard Cleaning, Add	*139.53*	
02 87 19 00-0093	EA	Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning Note: Includes removal and reinstallation.	35.25	
		For Level 1 Biohazard Cleaning, Deduct	*-7.05*	
		For Level 3 Biohazard Cleaning, Add	*11.63*	
02 87 19 00-0094	SF	Apply Sporicidin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.64	
		For Level 1 Biohazard Cleaning, Deduct	*-0.11*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	
02 87 19 00-0095	SF	Apply Goldshield® GS5 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning	0.72	
		For Level 1 Biohazard Cleaning, Deduct	*-0.11*	
		For Level 3 Biohazard Cleaning, Add	*0.19*	

02 87 19 00-0096 Bio-Hazard And Infectious Disease Control Equipment Rental *(02 87 19)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0097	DAY	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	97.73
02 87 19 00-0098	WK	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	416.24
02 87 19 00-0099	MO	Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Cleanup	1,165.48
02 87 19 00-0100	DAY	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	160.68
02 87 19 00-0101	WK	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	441.86
02 87 19 00-0102	MO	Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Cleanup	1,205.08
02 87 19 00-0103	DAY	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	34.77
02 87 19 00-0104	WK	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	95.61
02 87 19 00-0105	MO	Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Cleanup	260.76
02 87 19 00-0106	DAY	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	109.47
02 87 19 00-0107	WK	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	449.63
02 87 19 00-0108	MO	Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Cleanup	1,358.66
02 87 19 00-0109	EA	High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Cleanup Note: Required if over 800 hours operation.	119.44
02 87 19 00-0110	DAY	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	342.34
02 87 19 00-0111	WK	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	684.68
02 87 19 00-0112	MO	20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,369.37
02 87 19 00-0113	DAY	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	456.46
02 87 19 00-0114	WK	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	912.91
02 87 19 00-0115	MO	20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,825.82
02 87 19 00-0116	DAY	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,008.89
02 87 19 00-0117	WK	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,017.78
02 87 19 00-0118	MO	20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	4,035.55
02 87 19 00-0119	DAY	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,345.18
02 87 19 00-0120	WK	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	2,690.37
02 87 19 00-0121	MO	20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	5,380.74
02 87 19 00-0122	DAY	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	1,681.48
02 87 19 00-0123	WK	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	3,362.96
02 87 19 00-0124	MO	20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup	6,725.92
02 87 19 00-0125	EA	Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	129.39
02 87 19 00-0126	EA	Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	258.76
02 87 19 00-0127	EA	Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	776.29
02 87 19 00-0128	EA	Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	1,552.58
02 87 19 00-0129	EA	Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Cleanup Note: Includes staking down tent.	2,587.63
02 87 19 00-0130	DAY	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	74.86
02 87 19 00-0131	WK	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	205.86
02 87 19 00-0132	MO	Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Cleanup	561.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0133		**Bio-Hazard And Infectious Disease Control Hauling By Truck** *(02 87 19)* Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.		
02 87 19 00-0134	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	113.71	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*1.42*	
02 87 19 00-0135	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Cleanup Note: Each first 15 miles per trip	167.32	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.09*	
02 87 19 00-0136	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	173.24	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.17*	
02 87 19 00-0137	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Cleanup Note: Each first 15 miles per trip	182.07	
		For Each Additional Mile Over First 15 Miles, Add Per Mile	*2.28*	
02 87 19 00-0138		**Bio-Hazard And Infectious Disease Control Disposal** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0139	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee	45.61	
02 87 19 00-0140		**BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters** *(02 87 19)* Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.		
02 87 19 00-0141	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P)	46,667.26	
02 87 19 00-0142	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST)	4,486.29	
02 87 19 00-0143	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04)	7,422.99	
02 87 19 00-0144	SF	Sub Flooring For Medical Shelter (AKS-AB846)	6.94	
02 87 19 00-0145	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5)	2,037.45	
02 87 19 00-0146	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5)	33,370.95	
02 87 19 00-0147	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915)	1,163.16	
02 87 19 00-0148	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5) Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case	52,525.33	
02 87 19 00-0149	EA	6' Step Ladder (AKS-AC595)	316.94	
02 87 19 00-0150	EA	10 Lb. Sledgehammer (AKS-AA268)	95.96	
02 87 19 00-0151		**Bio-Hazard And Infectious Disease Time And Material Tasks** *(02 87 19)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0152		**Bio-Hazard And Infectious Disease Control Labor** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0153	HR	General Laborer For Bio-Hazard And Infectious Disease Control Cleanup	110.12	
02 87 19 00-0154	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Cleanup	158.63	
02 87 19 00-0155	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Cleanup	103.65	
02 87 19 00-0156	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Cleanup	124.63	
02 87 19 00-0157	HR	Project Manager For Bio-Hazard And Infectious Disease Control Cleanup	137.06	
02 87 19 00-0158		**Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.		
02 87 19 00-0159	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	11.51	
02 87 19 00-0160	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	18.61	
02 87 19 00-0161	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	12.06	
02 87 19 00-0162	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	129.50	
02 87 19 00-0163	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	40.21	
02 87 19 00-0164	EA	Full Face Respirator For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension	395.08	
02 87 19 00-0165	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010	54.01	
02 87 19 00-0166	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.	98.12	
02 87 19 00-0167	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	20.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0168	EA	Gloves - Rubber (Heavy-Duty) For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment	17.81	
02 87 19 00-0169	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Cleanup Personal Protection Equipment Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75-Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afl), Micronel Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly	2,640.77	
02 87 19 00-0170		**Bio-Hazard And Infectious Disease Control Expendables** *(02 87 19 00-0151)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0033 for temporary walls.		
02 87 19 00-0171	GAL	Bleach For Bio-Hazard And Infectious Disease Control Cleanup	8.97	
02 87 19 00-0172	EA	N95 Masks For Bio-Hazard And Infectious Disease Control Cleanup	4.34	
02 87 19 00-0173	GAL	Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Cleanup	87.93	
02 87 19 00-0174	GAL	Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Cleanup Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days	359.84	
02 87 19 00-0175	QT	Hand Sanitizer For Bio-Hazard And Infectious Disease Control Cleanup	9.21	
02 87 19 00-0176	EA	Sponges - Dry For Bio-Hazard And Infectious Disease Control Cleanup	5.76	
02 87 19 00-0177	ROL	Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Cleanup	11.44	
02 87 19 00-0178	EA	UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Cleanup	78.62	
02 87 19 00-0179	ROL	Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Cleanup	46.12	
02 87 19 00-0180	LB	Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Cleanup	6.72	
02 87 19 00-0181	EA	Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Cleanup	18.00	
02 87 19 00-0182	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Cleanup	141.99	

02 89 Hazmat Ancillary Tasks and Support *(02 80)*

02 89 00 00-0001		**Barriers And Protection** *(02 89)* Note: Includes removal and disposal after use.		
02 89 00 00-0002		**Isolation Barriers** *(02 89 00 00-0001)* See CSI section 01 56 16 00-0033 for temporary stud walls.		
02 89 00 00-0003		**Hazmat Containment Construction Plastic Sheeting** *(02 89 00 00-0001)*		
02 89 00 00-0004	SF	6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction	0.51	
02 89 00 00-0005	SF	6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction	0.67	
02 89 00 00-0006	SF	6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction	0.88	
02 89 00 00-0007	SF	6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction	0.78	
02 89 00 00-0008	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction	0.98	
02 89 00 00-0009	SF	6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction	1.28	
02 89 00 00-0010		**Decontamination Chambers** *(02 89)* Note: Includes removal after use.		
02 89 00 00-0011	EA	3 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,075.60	
02 89 00 00-0012	EA	5 Stage Portable Personnel Decontamination Wash Facility Note: Includes connection to negative air system.	1,268.49	
02 89 00 00-0013	EA	Portable Waste Decontamination Unit Note: Includes connection to negative air system.	662.87	
		For Dismantling And Relocation To A Different Area, Add	*432.33*	

02 90 Disaster Recovery *(02)*

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

02 90 50 Cleaning and Disaster Cleanup *(02 90)*

02 90 50 00-0001		**Non-Mold Contaminated Wet Material Removal** *(02 90 50)* Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY	Wet Broadloom Carpet Removal For Disaster Clean-up	27.16	
02 90 50 00-0003	SY	Wet Carpet Tile Removal For Disaster Clean-up	6.61	
02 90 50 00-0004	SF	Wet Batt Insulation Removal For Disaster Clean-up	0.55	
02 90 50 00-0005	SF	Wet Ceiling Tile Removal For Disaster Clean-up	0.66	
02 90 50 00-0006	SF	Single Layer, Wet Gypsum Board Removal For Disaster Clean-up	0.64	
02 90 50 00-0007	SF	Double Layer, Wet Gypsum Board Removal For Disaster Clean-up	1.01	
02 90 50 00-0008		**Cleaning** *(02 90 50)* Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
02 90 50 00-0009		**Clean Furnishings** *(02 90 50 00-0008)*		
02 90 50 00-0010	EA	Office Equipment, Exterior Wipe For Disaster Clean-up	28.40	
		For Medium Clean, Add	*11.93*	
		For Heavy Clean, Add	*36.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0011	SF	Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up	1.58	
		For Medium Clean, Add	*0.66*	
		For Heavy Clean, Add	*2.05*	
02 90 50 00-0012	LF	Shelving, Light Clean For Disaster Clean-up	2.84	
		For Medium Clean, Add	*1.19*	
		For Heavy Clean, Add	*3.69*	
02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.20	
		For Medium Clean, Add	*3.44*	
		For Heavy Clean, Add	*10.66*	
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	26.51	
		For Medium Clean, Add	*11.13*	
		For Heavy Clean, Add	*34.46*	
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	163.47	
		For Medium Clean, Add	*68.66*	
		For Heavy Clean, Add	*212.51*	
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	33.45	
		For Medium Clean, Add	*14.05*	
		For Heavy Clean, Add	*43.49*	
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	31.56	
		For Medium Clean, Add	*13.26*	
		For Heavy Clean, Add	*41.03*	
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	6.92	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.00*	
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	8.85	
		For Medium Clean, Add	*3.72*	
		For Heavy Clean, Add	*11.51*	
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.20	
		For Medium Clean, Add	*5.96*	
		For Heavy Clean, Add	*18.46*	
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.26	
		For Medium Clean, Add	*3.05*	
		For Heavy Clean, Add	*9.44*	
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	12.62	
		For Medium Clean, Add	*5.30*	
		For Heavy Clean, Add	*16.41*	
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.03	
		For Medium Clean, Add	*1.27*	
		For Heavy Clean, Add	*3.94*	

02 90 50 00-0025 Clean Hard Surfaces *(02 90 50 00-0008)*

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.41	
		For Medium Clean, Add	*0.17*	
		For Heavy Clean, Add	*0.53*	
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.08	
		For Medium Clean, Add	*2.55*	
		For Heavy Clean, Add	*7.90*	
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.43	
		For Medium Clean, Add	*0.18*	
		For Heavy Clean, Add	*0.56*	
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.93	
		For Medium Clean, Add	*0.39*	
		For Heavy Clean, Add	*1.21*	
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.83	
		For Medium Clean, Add	*0.35*	
		For Heavy Clean, Add	*1.08*	
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45	
		For Medium Clean, Add	*0.19*	
		For Heavy Clean, Add	*0.59*	
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.48*	
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.38	
		For Medium Clean, Add	*0.16*	
		For Heavy Clean, Add	*0.49*	
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.29	
		For Medium Clean, Add	*0.12*	
		For Heavy Clean, Add	*0.38*	
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.32	
		For Medium Clean, Add	*0.13*	
		For Heavy Clean, Add	*0.42*	
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19	
		For Medium Clean, Add	*0.08*	
		For Heavy Clean, Add	*0.25*	
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.26	
		For Medium Clean, Add	*0.11*	
		For Heavy Clean, Add	*0.34*	
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	66.57	
		For Medium Clean, Add	*27.96*	
		For Heavy Clean, Add	*86.54*	
02 90 50 00-0042	EA	>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	83.20	
		For Medium Clean, Add	*34.94*	
		For Heavy Clean, Add	*108.16*	
02 90 50 00-0043	EA	>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up Note: Includes removal from site, cleaning, and return.	99.84	
		For Medium Clean, Add	*41.93*	
		For Heavy Clean, Add	*129.79*	
02 90 50 00-0044	EA	>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	116.48	
		For Medium Clean, Add	*48.92*	
		For Heavy Clean, Add	*151.42*	

02 90 50 00-0045 Clean Window Treatments *(02 90 50 00-0008)*

02 90 50 00-0046	SF	Window Blind, Light Clean For Disaster Clean-up	0.73	
		For Medium Clean, Add	*0.31*	
		For Heavy Clean, Add	*0.95*	
02 90 50 00-0047	EA	Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.48	
		For Medium Clean, Add	*0.62*	
		For Heavy Clean, Add	*1.92*	
02 90 50 00-0048	EA	Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.71	
		For Medium Clean, Add	*0.72*	
		For Heavy Clean, Add	*2.22*	
02 90 50 00-0049	EA	>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.55	
		For Medium Clean, Add	*0.65*	
		For Heavy Clean, Add	*2.02*	
02 90 50 00-0050	EA	>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.78	
		For Medium Clean, Add	*0.75*	
		For Heavy Clean, Add	*2.31*	
02 90 50 00-0051	EA	>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up	1.90	
		For Medium Clean, Add	*0.80*	
		For Heavy Clean, Add	*2.47*	
02 90 50 00-0052	EA	>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up	2.19	
		For Medium Clean, Add	*0.92*	
		For Heavy Clean, Add	*2.85*	

02 90 50 00-0053 Clean Appliances *(02 90 50 00-0008)*

02 90 50 00-0054	EA	Microwave Oven, Outside, Light Clean For Disaster Clean-up	13.08	
		For Medium Clean, Add	*5.49*	
		For Heavy Clean, Add	*17.00*	
02 90 50 00-0055	EA	Refrigerator, Outside, Light Clean For Disaster Clean-up	30.81	
		For Medium Clean, Add	*12.94*	
		For Heavy Clean, Add	*40.05*	
02 90 50 00-0056	EA	Range, Outside, Light Clean For Disaster Clean-up	26.63	
		For Medium Clean, Add	*11.18*	
		For Heavy Clean, Add	*34.62*	

02 90 50 00-0057 Clean Plumbing *(02 90 50 00-0008)*

02 90 50 00-0058	EA	Water Heater, Light Clean For Disaster Clean-up	18.94	
		For Medium Clean, Add	*7.95*	
		For Heavy Clean, Add	*24.62*	
02 90 50 00-0059	EA	Plumbing Fixture, Light Clean For Disaster Clean-up	19.12	
		For Medium Clean, Add	*8.03*	
		For Heavy Clean, Add	*24.86*	
02 90 50 00-0060	EA	Restroom Accessory, Light Clean For Disaster Clean-up	8.78	
		For Medium Clean, Add	*3.69*	
		For Heavy Clean, Add	*11.41*	

02 90 50 00-0061 Clean HVAC *(02 90 50 00-0008)*

02 90 50 00-0062	LF	Baseboard Heater, Light Clean For Disaster Clean-up	5.66	
		For Medium Clean, Add	*2.38*	
		For Heavy Clean, Add	*7.36*	
02 90 50 00-0063	LF	Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up	15.78	
		For Medium Clean, Add	*6.63*	
		For Heavy Clean, Add	*20.51*	
02 90 50 00-0064	EA	Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up	60.59	
		For Medium Clean, Add	*25.45*	
		For Heavy Clean, Add	*78.77*	
02 90 50 00-0065	EA	Grille/Register, Light Clean For Disaster Clean-up	5.68	
		For Medium Clean, Add	*2.39*	
		For Heavy Clean, Add	*7.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0066	EA	Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up	39.34	
		For Medium Clean, Add	*16.52*	
		For Heavy Clean, Add	*51.14*	
02 90 50 00-0067	EA	Furnace, Exterior Wipe, Light Clean For Disaster Clean-up	35.03	
		For Medium Clean, Add	*14.71*	
		For Heavy Clean, Add	*45.54*	
02 90 50 00-0068		**Clean Electrical** *(02 90 50 00-0008)*		
02 90 50 00-0069	EA	Electric Fan, Light Clean For Disaster Clean-up	23.36	
		For Medium Clean, Add	*9.81*	
		For Heavy Clean, Add	*30.37*	
02 90 50 00-0070	EA	Ceiling Fan, Light Clean For Disaster Clean-up	25.25	
		For Medium Clean, Add	*10.61*	
		For Heavy Clean, Add	*32.83*	
02 90 50 00-0071	EA	Ceiling Fan And Light, Light Clean For Disaster Clean-up	32.82	
		For Medium Clean, Add	*13.78*	
		For Heavy Clean, Add	*42.67*	
02 90 50 00-0072	EA	Ceiling Exhaust Fan, Light Clean For Disaster Clean-up	23.04	
		For Medium Clean, Add	*9.68*	
		For Heavy Clean, Add	*29.95*	
02 90 50 00-0073	EA	2' x 4' Light Fixture, Light Clean For Disaster Clean-up	15.15	
		For Medium Clean, Add	*6.36*	
		For Heavy Clean, Add	*19.70*	
02 90 50 00-0074	EA	Light Fixture, Light Clean For Disaster Clean-up	6.94	
		For Medium Clean, Add	*2.91*	
		For Heavy Clean, Add	*9.02*	
02 90 50 00-0075	EA	Smoke Detector, Light Clean For Disaster Clean-up	5.37	
		For Medium Clean, Add	*2.26*	
		For Heavy Clean, Add	*6.98*	
02 90 50 00-0076	EA	Thermostat, Light Clean For Disaster Clean-up	1.89	
		For Medium Clean, Add	*0.79*	
		For Heavy Clean, Add	*2.46*	
02 90 50 00-0077		**Thermal Fog** *(02 90 50 00-0008)*		
02 90 50 00-0078	CF	Clean And Deodorize Building With Thermal Fog For Disaster Clean-up	0.02	
02 90 50 00-0079		**Contents Manipulation** *(02 90 50)*		
02 90 50 00-0080	SF	Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up	0.25	
02 90 50 00-0081	SF	Floor Protection, Adhesive Film For Disaster Clean-up	0.30	
02 90 50 00-0082	SF	Move Contents Out And Later Reset For Disaster Clean-up	0.50	
02 90 50 00-0083	MO	20' Long Job Site Storage Trailer For Disaster Clean-up	151.93	
02 90 50 00-0084	MO	40' Long Job Site Storage Trailer For Disaster Clean-up	201.49	
02 90 50 00-0085	EA	Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up	146.80	
02 90 50 00-0086		**Water Disaster Clean-up** *(02 90 50)*		
02 90 50 00-0087	LF	Detach Baseboard For Disaster Clean-up	0.68	
02 90 50 00-0088	LF	Detach And Later Reset Baseboard For Disaster Clean-up	1.21	
02 90 50 00-0089	EA	Block And Pad Furniture (Per Piece Of Furniture) For Disaster Clean-up	4.48	
02 90 50 00-0090	SF	Water Extraction From Floor For Disaster Clean-up	0.47	
02 90 50 00-0091	SF	Gray Water Extraction From Floor For Disaster Clean-up	0.75	
02 90 50 00-0092	SF	Black Water Extraction From Floor For Disaster Clean-up	1.19	
02 90 50 00-0093	SF	Tear Out Wet Non-Salvageable Carpet For Disaster Clean-up	0.37	
02 90 50 00-0094	SF	Tear Out Wet Non-Salvageable Carpet, Black Water For Disaster Clean-up	0.44	
02 90 50 00-0095	SF	Tear Out Wet Non-Salvageable Glue Down Carpet For Disaster Clean-up	0.66	
02 90 50 00-0096	SF	Tear Out Wet Non-Salvageable Glue Down Carpet, Black Water For Disaster Clean-up	0.97	
02 90 50 00-0097	SF	Tear Out Vinyl Flooring For Disaster Clean-up	0.92	
02 90 50 00-0098	SF	Tear Out Vinyl Flooring, Black Water For Disaster Clean-up	1.34	
02 90 50 00-0099	SF	Tear Out Wood Flooring, Black Water For Disaster Clean-up	3.47	
02 90 50 00-0100	SF	Tear Out Laminated Wood Flooring For Disaster Clean-up	1.71	
02 90 50 00-0101	SF	Tear Out Laminated Wood Flooring, Black Water For Disaster Clean-up	2.51	
02 90 50 00-0102	SF	Tear Out Wet Ceiling Tile For Disaster Clean-up	0.28	
02 90 50 00-0103	SF	Tear Out Batt Insulation For Disaster Clean-up	0.28	
02 90 50 00-0104	SF	Tear Out Wet Gypsum Board For Disaster Clean-up	0.48	
02 90 50 00-0105	SF	Apply Anti-microbial Agent For Disaster Clean-up	0.29	
02 90 50 00-0106	SF	High Efficiency Particulate Air (HEPA) Vacuuming For Disaster Clean-up	0.36	
02 90 50 00-0107		**Board Up And Tarp Up** *(02 90 50)*		
02 90 50 00-0108	SF	Polyethylene Tarp On Roof For Disaster Clean-up	0.24	
02 90 50 00-0109	SF	1/2" Temporary Plywood On Roof For Disaster Clean-up	1.50	
02 90 50 00-0110	SF	5/8" Temporary Plywood On Roof For Disaster Clean-up	1.68	
02 90 50 00-0111	SF	3/4" Temporary Plywood On Roof For Disaster Clean-up	1.83	
02 90 50 00-0112	SF	1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up	1.88	
02 90 50 00-0113	SF	5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.06	
02 90 50 00-0114	SF	3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up	2.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0115		**Minimum Charges** *(02 90 50)*		
02 90 50 00-0116	EA	Disaster Cleaning Minimum Charge	1,447.55	
02 90 50 00-0117	EA	Disaster Water Extraction Minimum Charge	279.05	
02 90 50 00-0118	EA	Disaster Carpet Cleaning Minimum Charge	195.62	
02 90 50 00-0119		**Document Restoration** *(02 90 50)*		
02 90 50 00-0120	EA	Book Rebinding, Each For Document Restoration	101.02	
02 90 50 00-0121	EA	Book Recasing, Each For Document Restoration	50.50	
02 90 50 00-0122	EA	Boxes-MCS, 1.2 CF For Document Restoration	9.41	
02 90 50 00-0123	EA	Boxes-MCS, 2.0 CF For Document Restoration	10.38	
02 90 50 00-0124	EA	Boxes Bankers For Document Restoration	16.14	
02 90 50 00-0125	EA	Boxes Standard Packout For Document Restoration	6.02	
02 90 50 00-0126	EA	Boxes X Ray For Document Restoration	10.11	
02 90 50 00-0127	EA	CD Scanning and Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0128	EA	Cleaning Antique Books, Each For Document Restoration	303.05	
02 90 50 00-0129	EA	Cleaning Catheter Roll, Per Roll For Document Restoration	40.40	
02 90 50 00-0130	EA	Cleaning CD And DVD, Per Disc For Document Restoration	4.06	
02 90 50 00-0131	EA	Cleaning Level 1 - Blue Prints, Each For Document Restoration	4.21	
02 90 50 00-0132	CF	Cleaning Level 1 - Document Per CF For Document Restoration	130.36	
02 90 50 00-0133	EA	Cleaning Level 1 - Linen, Each For Document Restoration	4.21	
02 90 50 00-0134	EA	Cleaning Level 1 - Mylar, Each For Document Restoration	4.21	
02 90 50 00-0135	EA	Cleaning Level 2 - Blue Print, Each For Document Restoration	5.23	
02 90 50 00-0136	CF	Cleaning Level 2 - Document Per CF For Document Restoration	195.37	
02 90 50 00-0137	EA	Cleaning Level 2 - Linen, Each For Document Restoration	5.23	
02 90 50 00-0138	EA	Cleaning Level 2 - Mylar, Each For Document Restoration	5.23	
02 90 50 00-0139	EA	Cleaning Level 3 - Blue Prints, Each For Document Restoration	7.41	
02 90 50 00-0140	CF	Cleaning Level 3 - Document Per CF For Document Restoration	260.68	
02 90 50 00-0141	EA	Cleaning Level 3 - Linen, Each For Document Restoration	7.41	
02 90 50 00-0142	EA	Cleaning Level 3 - Mylar, Each For Document Restoration	7.41	
02 90 50 00-0143	EA	Cleaning Level 4 - All Fire-Blue Print, Each For Document Restoration	10.39	
02 90 50 00-0144	EA	Cleaning Level 4 - All Fire-Linen, Each For Document Restoration	10.39	
02 90 50 00-0145	EA	Cleaning Level 4 - All Fire-Mylar, Each For Document Restoration	10.39	
02 90 50 00-0146	CF	Cleaning Level 4 - Light Fire-Document Per CF For Document Restoration	325.79	
02 90 50 00-0147	EA	Cleaning Level 5 - Severe Fire-Blue Print, Each For Document Restoration	11.52	
02 90 50 00-0148	CF	Cleaning Level 5 - Severe Fire-Document Per CF For Document Restoration	488.83	
02 90 50 00-0149	EA	Cleaning Level 5 - Severe Fire-Linen, Each For Document Restoration	11.52	
02 90 50 00-0150	EA	Cleaning Level 5 - Severe Fire-Mylar, Each For Document Restoration	11.52	
02 90 50 00-0151	EA	Cleaning Microfiche Sheets, Each For Document Restoration	4.09	
02 90 50 00-0152	EA	Cleaning Microfiche Strips, Each For Document Restoration	0.95	
02 90 50 00-0153	EA	Cleaning Microfilm Rolls (In House), Per Roll For Document Restoration	101.02	
02 90 50 00-0154	EA	Cleaning Microfilm Rolls (Outside), Per Roll For Document Restoration	141.44	
02 90 50 00-0155	EA	Cleaning Photographs Negatives, Per Negative For Document Restoration	4.09	
02 90 50 00-0156	EA	Cleaning Photographs, Each For Document Restoration	0.95	
02 90 50 00-0157	EA	Cleaning Record Albums, Each For Document Restoration	4.06	
02 90 50 00-0158	EA	Cleaning VHS And Beta Tapes-In House, Each For Document Restoration	10.11	
02 90 50 00-0159	EA	Cleaning VHS And Beta Tapes-Outside, Each For Document Restoration	40.40	
02 90 50 00-0160	EA	Cleaning X Ray 1-1000, Per Film For Document Restoration	5.58	
02 90 50 00-0161	EA	Cleaning X Ray 1K-5K, Per Film For Document Restoration	4.76	
02 90 50 00-0162	EA	Cleaning X Ray 5K-Up, Per Film For Document Restoration	3.74	
02 90 50 00-0163	EA	Copying Clean Water, Per Page For Document Restoration	0.54	
02 90 50 00-0164	EA	Copying Greywater Fire, Per Page For Document Restoration	1.09	
02 90 50 00-0165	CF	Deodorization, Vapor Tech For Document Restoration	7.03	
02 90 50 00-0166	CF	Disinfectant-Fogging For Document Restoration	14.17	
02 90 50 00-0167	EA	Document Disposal In House No Shredding For Document Restoration	54.65	
02 90 50 00-0168	EA	Document Disposal In House With Shredding For Document Restoration	14.91	
02 90 50 00-0169	CF	Up To 150 CF, Drying-MCS Center For Document Restoration	181.83	
02 90 50 00-0170	CF	>150 To 500 CF, Drying-MCS Center For Document Restoration	141.44	
02 90 50 00-0171	CF	>500 CF, Drying-MCS Center For Document Restoration	121.22	
02 90 50 00-0172	CF	>50 To 150 CF, Drying-MCS Center For Document Restoration	161.63	
02 90 50 00-0173	CF	Up To 500 CF, Drying-Onsite For Document Restoration	303.05	
02 90 50 00-0174	CF	>500 CF, Drying-Onsite For Document Restoration	185.91	
02 90 50 00-0175	EA	Drying Antique Books, Each For Document Restoration	40.40	
02 90 50 00-0176	EA	Drying Blue Prints, Each For Document Restoration	5.05	
02 90 50 00-0177	EA	DVD Scanning And Diagnostics, Each For Document Restoration	10.11	
02 90 50 00-0178	EA	Freeze Drying (In House) For Document Restoration	135.56	
02 90 50 00-0179	EA	Freeze Drying (Outside) For Document Restoration	116.19	
02 90 50 00-0180	EA	Up To 48 CF, Irradiation - Gamma (Minimum Charge) For Document Restoration	3,195.22	
02 90 50 00-0181	CF	>48 CF, Irradiation - Gamma (Per CF Charge) For Document Restoration	29.05	
02 90 50 00-0182	EA	Minimal Drying Jobs For Document Restoration	1,345.87	
02 90 50 00-0183	EA	Monthly Storage For Document Restoration	225.04	
02 90 50 00-0184	EA	Mylar Prints For Document Restoration	10.11	
02 90 50 00-0185	CF	Ozoning For Document Restoration	6.32	
02 90 50 00-0186	CF	Stabilization Freezer Storage, Per Cubic Foot Per Month For Document Restoration	11.70	
02 90 50 00-0187	MO	Stabilization Freezer Storage, Per Page-Per Month For Document Restoration	0.10	
02 90 50 00-0188	EA	Wood Pallets, Each For Document Restoration	32.51	

02 90 55 Emergency Clean-up *(02 90)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0001		**Emergency Clean-up** *(02 90 55)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.		
02 90 55 00-0002		**Emergency Clean-up Labor** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.		
02 90 55 00-0003	HR	Skilled Tradesman For Emergency Cleanup	62.16	
02 90 55 00-0004	HR	Restoration / Document Laborer For Emergency Cleanup	43.51	
02 90 55 00-0005	HR	Restoration / Document Supervisor For Emergency Cleanup	59.83	
02 90 55 00-0006	HR	Restoration / Document Project Manager For Emergency Cleanup	97.90	
02 90 55 00-0007	HR	Assistant Project Manager For Emergency Cleanup	81.58	
02 90 55 00-0008	HR	Senior Project Manager For Emergency Cleanup	114.22	
02 90 55 00-0009	HR	Project Director / Document Consultant / Account Manager For Emergency Cleanup	163.17	
02 90 55 00-0010	HR	Equipment Technician For Emergency Cleanup	119.66	
02 90 55 00-0011	HR	Mold Remediation Laborer For Emergency Cleanup	59.57	
02 90 55 00-0012	HR	Mold Remediation Supervisor For Emergency Cleanup	81.58	
02 90 55 00-0013	HR	Administrative Personnel For Emergency Cleanup	38.07	
02 90 55 00-0014	HR	Project Accountant For Emergency Cleanup	62.16	
02 90 55 00-0015	HR	Biohazard Technician For Emergency Cleanup	86.38	
02 90 55 00-0016	HR	Biohazard Supervisor For Emergency Cleanup	103.86	
02 90 55 00-0017	HR	Health And Safety Officer For Emergency Cleanup	93.24	
02 90 55 00-0018	HR	Resource And Logistics Coordinator For Emergency Cleanup	67.34	
02 90 55 00-0019	HR	Loss Control Specialist For Emergency Cleanup	65.27	
02 90 55 00-0020	HR	Moisture Control Specialist For Emergency Cleanup	53.87	
02 90 55 00-0021	HR	Mobilzation Support For Emergency Cleanup	33.15	
02 90 55 00-0022		**Emergency Clean-up Equipment** *(02 90 55 00-0001)* Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.		
02 90 55 00-0023		**General Emergency Clean-up Equipment** *(02 90 55 00-0022)*		
02 90 55 00-0024	DAY	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	97.73	
02 90 55 00-0025	WK	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	372.81	
02 90 55 00-0026	MO	265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up	1,020.70	
02 90 55 00-0027	DAY	13" Floor Buffer Rental For Emergency Clean-up	39.42	
02 90 55 00-0028	WK	13" Floor Buffer Rental For Emergency Clean-up	88.86	
02 90 55 00-0029	MO	13" Floor Buffer Rental For Emergency Clean-up	245.29	
02 90 55 00-0030	DAY	17" Floor Buffer Rental For Emergency Clean-up	61.32	
02 90 55 00-0031	WK	17" Floor Buffer Rental For Emergency Clean-up	156.44	
02 90 55 00-0032	MO	17" Floor Buffer Rental For Emergency Clean-up	369.19	
02 90 55 00-0033	DAY	Walk Behind Floor Scrubber Rental For Emergency Clean-up	337.90	
02 90 55 00-0034	WK	Walk Behind Floor Scrubber Rental For Emergency Clean-up	907.34	
02 90 55 00-0035	MO	Walk Behind Floor Scrubber Rental For Emergency Clean-up	2,528.03	
02 90 55 00-0036	DAY	Ride-On Floor Scrubber Rental For Emergency Clean-up	763.42	
02 90 55 00-0037	WK	Ride-On Floor Scrubber Rental For Emergency Clean-up	2,014.92	
02 90 55 00-0038	MO	Ride-On Floor Scrubber Rental For Emergency Clean-up	5,431.51	
02 90 55 00-0039	DAY	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	71.73	
02 90 55 00-0040	WK	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	203.78	
02 90 55 00-0041	MO	4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	700.99	
02 90 55 00-0042	DAY	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	66.84	
02 90 55 00-0043	WK	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	179.32	
02 90 55 00-0044	MO	8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	464.61	
02 90 55 00-0045	DAY	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	106.94	
02 90 55 00-0046	WK	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	305.17	
02 90 55 00-0047	MO	17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up	852.92	
02 90 55 00-0048	DAY	Truck Mounted Extractor Rental For Emergency Clean-up	994.41	
02 90 55 00-0049	WK	Truck Mounted Extractor Rental For Emergency Clean-up	2,983.22	
02 90 55 00-0050	MO	Truck Mounted Extractor Rental For Emergency Clean-up	8,949.65	
02 90 55 00-0051	DAY	16" Chain Saw Rental For Emergency Clean-up	78.25	
02 90 55 00-0052	WK	16" Chain Saw Rental For Emergency Clean-up	176.06	
02 90 55 00-0053	MO	16" Chain Saw Rental For Emergency Clean-up	469.50	
02 90 55 00-0054	DAY	20" Chain Saw Rental For Emergency Clean-up	97.81	
02 90 55 00-0055	WK	20" Chain Saw Rental For Emergency Clean-up	220.08	
02 90 55 00-0056	MO	20" Chain Saw Rental For Emergency Clean-up	586.87	
02 90 55 00-0057	EA	Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up	73.36	
02 90 55 00-0058	DAY	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	104.33	
02 90 55 00-0059	WK	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	285.28	
02 90 55 00-0060	MO	14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up	798.80	
02 90 55 00-0061	DAY	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	127.16	
02 90 55 00-0062	WK	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	432.00	
02 90 55 00-0063	MO	12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up	823.25	
02 90 55 00-0064	DAY	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	118.21	
02 90 55 00-0065	WK	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	325.08	
02 90 55 00-0066	MO	Wet Or Dry Portable Cleaning Unit For Emergency Clean-up	886.59	
02 90 55 00-0067	DAY	Extension Cords - 220 Volt For Emergency Clean-up	40.76	
02 90 55 00-0068	DAY	Extension Cords - 220 Volt Converter Box For Emergency Clean-up	24.45	
02 90 55 00-0069	DAY	Demolition Cart, 1 Yard For Emergency Clean-up	65.21	
02 90 55 00-0070	WK	Demolition Cart, 1 Yard For Emergency Clean-up	179.32	
02 90 55 00-0071	MO	Demolition Cart, 1 Yard For Emergency Clean-up	489.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0072	DAY	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	81.51	
02 90 55 00-0073	WK	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	224.15	
02 90 55 00-0074	MO	Demolition Cart, 1-1/2 Yard For Emergency Clean-up	611.32	
02 90 55 00-0075	EA	Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up	122.26	
02 90 55 00-0076	DAY	Dry-Ice Blasting System For Emergency Clean-up	1,752.59	
02 90 55 00-0077	DAY	Fogger - Mist For Emergency Clean-up	34.77	
02 90 55 00-0078	WK	Fogger - Mist For Emergency Clean-up	95.61	
02 90 55 00-0079	MO	Fogger - Mist For Emergency Clean-up	260.76	
02 90 55 00-0080	DAY	Fogger - Electric Thermal For Emergency Clean-up	50.07	
02 90 55 00-0081	WK	Fogger - Electric Thermal For Emergency Clean-up	137.68	
02 90 55 00-0082	MO	Fogger - Electric Thermal For Emergency Clean-up	375.50	
02 90 55 00-0083	DAY	Fogger - Gas Power Thermal For Emergency Clean-up	196.82	
02 90 55 00-0084	WK	Fogger - Gas Power Thermal For Emergency Clean-up	541.27	
02 90 55 00-0085	MO	Fogger - Gas Power Thermal For Emergency Clean-up	1,476.18	
02 90 55 00-0086	EA	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	165.56	
02 90 55 00-0087	WK	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	455.30	
02 90 55 00-0088	MO	Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up	1,241.72	
02 90 55 00-0089	DAY	Hand Trucks/Dollies For Emergency Clean-up	19.56	
02 90 55 00-0090	WK	Hand Trucks/Dollies For Emergency Clean-up	53.80	
02 90 55 00-0091	MO	Hand Trucks/Dollies For Emergency Clean-up	146.72	
02 90 55 00-0092	DAY	Heat Gun - Shrink Wrap For Emergency Clean-up	135.02	
02 90 55 00-0093	WK	Heat Gun - Shrinkwrap For Emergency Clean-up	371.31	
02 90 55 00-0094	MO	Heat Gun - Shrinkwrap For Emergency Clean-up	1,012.67	
02 90 55 00-0095	DAY	High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up Note: Includes all filters.	145.70	
02 90 55 00-0096	DAY	Ladder For Emergency Clean-up	27.71	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up	25.03	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up	30.60	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up	41.72	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up	114.73	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up	312.91	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up	73.36	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up	201.74	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up	550.19	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up	173.84	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up	97.81	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up	139.07	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up	208.61	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up	139.07	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up	105.96	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up	40.76	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up	1,739.09	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up	13.04	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up	35.86	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up	97.81	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	88.10	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	259.20	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up	887.19	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	173.71	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	409.47	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up	1,141.56	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	186.12	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	465.31	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up	1,253.23	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up	4.69	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up	34.77	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up	250.24	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up	124.22	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up	202.53	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up Note: Includes Mileage	273.37	
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up	269.14	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up Note: Includes Mileage	224.14	
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up	1,010.87	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	34.77	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	95.61	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up	260.76	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	118.21	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	325.08	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	886.59	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up	29.70	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up	81.69	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up	222.79	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up	301.59	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	50.54	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	125.53	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up	317.89	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	115.74	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	309.74	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up	864.01	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	34.77	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	95.61	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up	260.76	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up	102.70	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up	205.41	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up	410.81	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up	821.62	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up	257.57	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up	515.14	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up	1,030.29	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up	342.34	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up	684.68	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up	1,369.37	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up	391.25	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up	782.50	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up	1,564.99	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up	456.46	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up	912.91	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up	1,825.82	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up	246.49	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up	677.84	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up	1,848.65	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up	74.86	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up	205.86	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up	561.44	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up	40.67	

02 90 55 00-0180 Technical/Electronics Restoration Equipment *(02 90 55 00-0022)*

02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	40.76	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	112.08	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	305.66	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	785.83	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,161.04	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	5,893.73	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	146.72	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	403.47	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,100.38	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,121.59	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,084.36	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,411.90	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	927.15	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,549.67	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	6,953.66	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	72.01	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	198.03	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	540.09	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	44.11	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	121.30	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	330.81	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	24.45	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	67.25	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	183.40	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	113.42	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	311.90	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	850.64	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	366.80	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,008.69	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	2,750.96	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,018.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	2,801.91	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	7,641.56	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	19.56	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	53.80	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	146.72	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	570.57	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	1,569.07	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	4,279.28	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	40.76	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	112.08	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	305.66	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	337.56	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	928.28	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,531.67	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	160.68	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	441.86	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,205.08	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0229		Drying/Dehumidification Equipment *(02 90 55 00-0022)*		
02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	173.84	
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	478.06	
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up Note: Includes 25' high-pressure solution hose and 25' Vacuum hose.	1,303.80	
02 90 55 00-0233	DAY	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	59.36	
02 90 55 00-0234	WK	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	163.24	
02 90 55 00-0235	MO	2,200 CFM Centrifugal Air Mover For Emergency Clean-up	445.20	
02 90 55 00-0236	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.93	
02 90 55 00-0237	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	272.07	
02 90 55 00-0238	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	742.00	
02 90 55 00-0239	DAY	Injectidry System For Emergency Clean-up	215.56	
02 90 55 00-0240	WK	Injectidry System For Emergency Clean-up	592.80	
02 90 55 00-0241	MO	Injectidry System For Emergency Clean-up	1,616.72	
02 90 55 00-0242	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	139.07	
02 90 55 00-0243	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	382.45	
02 90 55 00-0244	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,043.04	
02 90 55 00-0245	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	165.56	
02 90 55 00-0246	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	455.30	
02 90 55 00-0247	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,241.72	
02 90 55 00-0248	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	192.05	
02 90 55 00-0249	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	528.14	
02 90 55 00-0250	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,440.39	
02 90 55 00-0251	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0252	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0253	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0254	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	205.30	
02 90 55 00-0255	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	564.57	
02 90 55 00-0256	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	1,539.73	
02 90 55 00-0257	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	231.79	
02 90 55 00-0258	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	637.42	
02 90 55 00-0259	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	1,738.41	
02 90 55 00-0260	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	486.75	
02 90 55 00-0261	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,338.57	
02 90 55 00-0262	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	3,650.65	
02 90 55 00-0263	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	834.44	
02 90 55 00-0264	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	2,294.70	
02 90 55 00-0265	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	6,258.26	
02 90 55 00-0266	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0267	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0268	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0269	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,284.76	
02 90 55 00-0270	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	3,533.10	
02 90 55 00-0271	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	9,635.74	
02 90 55 00-0272	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,341.72	
02 90 55 00-0273	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	3,689.73	
02 90 55 00-0274	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	10,062.89	
02 90 55 00-0275	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	1,668.87	
02 90 55 00-0276	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	4,589.39	
02 90 55 00-0277	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	12,516.52	
02 90 55 00-0278	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	1,877.48	
02 90 55 00-0279	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	5,163.07	
02 90 55 00-0280	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	14,081.09	
02 90 55 00-0281	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,016.55	
02 90 55 00-0282	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	5,545.52	
02 90 55 00-0283	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	15,124.13	
02 90 55 00-0284	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	2,649.00	
02 90 55 00-0285	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	7,284.75	
02 90 55 00-0286	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	19,867.50	
02 90 55 00-0287	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	2,781.45	
02 90 55 00-0288	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	7,648.99	
02 90 55 00-0289	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	20,860.88	
02 90 55 00-0290	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	660.83	
02 90 55 00-0291	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,817.28	
02 90 55 00-0292	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,956.23	
02 90 55 00-0293	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	915.00	
02 90 55 00-0294	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,516.24	
02 90 55 00-0295	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,862.47	
02 90 55 00-0296	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	834.44	
02 90 55 00-0297	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,294.70	
02 90 55 00-0298	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,258.26	
02 90 55 00-0299	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,112.58	
02 90 55 00-0300	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,059.60	
02 90 55 00-0301	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,344.35	
02 90 55 00-0302	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,877.48	
02 90 55 00-0303	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,163.07	
02 90 55 00-0304	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	14,081.09	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0305	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,086.09	
02 90 55 00-0306	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	5,736.74	
02 90 55 00-0307	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	15,645.66	
02 90 55 00-0308	DAY	25' Flex Duct For Emergency Clean-up	27.81	
02 90 55 00-0309	WK	25' Flex Duct For Emergency Clean-up	76.49	
02 90 55 00-0310	MO	25' Flex Duct For Emergency Clean-up	208.61	
02 90 55 00-0311	DAY	Hygrothermograph For Emergency Clean-up	40.76	
02 90 55 00-0312	WK	Hygrothermograph For Emergency Clean-up	112.08	
02 90 55 00-0313	MO	Hygrothermograph For Emergency Clean-up	305.66	
02 90 55 00-0314	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	9,567.86	
02 90 55 00-0315	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	26,311.62	
02 90 55 00-0316	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.	71,758.97	

02 90 55 00-0317 Power Equipment *(02 90 55 00-0022)*

02 90 55 00-0318	WK	Up to 65 KVA Generator For Emergency Clean-up	1,258.72	
02 90 55 00-0319	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,130.15	
02 90 55 00-0320	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,077.59	
02 90 55 00-0321	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,582.52	
02 90 55 00-0322	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,841.25	
02 90 55 00-0323	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,289.80	
02 90 55 00-0324	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,455.52	
02 90 55 00-0325	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,972.98	
02 90 55 00-0326	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	15,007.88	
02 90 55 00-0327	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.53	
02 90 55 00-0328	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	155.89	
02 90 55 00-0329	EA	Electrical Distribution Panel For Emergency Clean-up	337.56	
02 90 55 00-0330	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.58	
02 90 55 00-0331	EA	50' Power Cord For Spider Box For Emergency Clean-up	54.22	
02 90 55 00-0332	EA	Pig Tails (Per Each) For Emergency Clean-up	4.08	

02 90 55 00-0333 Freight Charges *(02 90 55 00-0022)*

02 90 55 00-0334	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.04	
02 90 55 00-0335	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0336	MI	Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment	3.67	
02 90 55 00-0337	MI	Freight Tractor Trailer For Emergency Clean-up Equipment	5.30	

02 90 55 00-0338 Emergency Clean-up Personal Protection Equipment *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

02 90 55 00-0339	EA	Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment	11.51	
02 90 55 00-0340	EA	Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.08	
02 90 55 00-0341	EA	Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	14.76	
02 90 55 00-0342	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment	18.61	
02 90 55 00-0343	EA	Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment	129.50	
02 90 55 00-0344	EA	N95 Respirator For Emergency Clean-up Personal Protection Equipment	5.04	
02 90 55 00-0345	EA	N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment	5.89	
02 90 55 00-0346	PR	3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0347	EA	Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment	31.64	
02 90 55 00-0348	PR	P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment	39.54	
02 90 55 00-0349	EA	Respirator Cartridge For Emergency Clean-up Personal Protection Equipment	40.21	
02 90 55 00-0350	BOX	Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment	44.83	
02 90 55 00-0351	PR	Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment	4.05	
02 90 55 00-0352	BOX	5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment	20.86	
02 90 55 00-0353	PR	4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	0.44	
02 90 55 00-0354	PR	5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment	0.37	
02 90 55 00-0355	PR	17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment	1.76	
02 90 55 00-0356	PR	15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment	4.19	
02 90 55 00-0357	PR	Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment	5.74	
02 90 55 00-0358	PR	30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment	6.43	
02 90 55 00-0359	PR	Leather Gloves For Emergency Clean-up Personal Protection Equipment	10.44	
02 90 55 00-0360	EA	Heavy-Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment	17.81	
02 90 55 00-0361	PR	Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	12.06	
02 90 55 00-0362	PR	Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment	19.89	
02 90 55 00-0363	PR	Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment	5.28	
02 90 55 00-0364	EA	Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment	6.95	

02 90 55 00-0365 Emergency Clean-up Expendables *(02 90 55 00-0001)*

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Cleanup sections.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0366		General Materials *(02 90 55 00-0365)*		
02 90 55 00-0367	GAL	Adhesive Remover For Emergency Clean-up	83.44	
02 90 55 00-0368	GAL	Bioside-HS Cleaning Solution For Emergency Clean-up	27.79	
02 90 55 00-0369	GAL	Biocide Mold Cleaning Solution For Emergency Clean-up	35.46	
02 90 55 00-0370	EA	10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up	4.40	
02 90 55 00-0371	EA	10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0372	EA	10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up	6.68	
02 90 55 00-0373	GAL	Bleach For Emergency Clean-up	8.97	
02 90 55 00-0374	EA	Small Stainless Brush For Emergency Clean-up	7.20	
02 90 55 00-0375	EA	2-1/2 Gallon Buckets For Emergency Clean-up	6.89	
02 90 55 00-0376	EA	5 Gallon Bucket For Emergency Clean-up	10.43	
02 90 55 00-0377	GAL	Carpet Defoamer For Emergency Clean-up	26.84	
02 90 55 00-0378	GAL	Carpet Pre-treat For Emergency Clean-up	26.64	
02 90 55 00-0379	GAL	Carpet Spotter For Emergency Clean-up	44.65	
02 90 55 00-0380	GAL	Carpet/Upholstery Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0381	ROL	Carpet Masking/Shield For Emergency Clean-up	111.47	
02 90 55 00-0382	EA	Chemical Sponge For Emergency Clean-up	3.28	
02 90 55 00-0383	GAL	Clear Seal For Emergency Clean-up	112.19	
02 90 55 00-0384	GAL	Coil Cleaner For Emergency Clean-up	76.74	
02 90 55 00-0385	EA	Decontamination Chamber For Emergency Clean-up	333.47	
02 90 55 00-0386	GAL	All Purpose Degreaser For Emergency Clean-up	36.72	
02 90 55 00-0387	GAL	De-Foamer Liquid For Emergency Clean-up	48.25	
02 90 55 00-0388	EA	Deodorization Membrane For Emergency Clean-up	93.46	
02 90 55 00-0389	GAL	9-D-9 Smoke Deodorizer For Emergency Clean-up	144.24	
02 90 55 00-0390	LB	Deodorizing Gel For Emergency Clean-up	33.89	
02 90 55 00-0391	GAL	Deodorizing Liquid For Emergency Clean-up	49.56	
02 90 55 00-0392	PAIL	Deodorizing Block For Emergency Clean-up	8.52	
02 90 55 00-0393	GAL	Disinfectant/Anti-microbial For Emergency Clean-up	87.93	
02 90 55 00-0394	GAL	BruClean Disinfectant For Emergency Clean-up	39.04	
02 90 55 00-0395	GAL	Dryclean For Emergency Clean-up	38.94	
02 90 55 00-0396	GAL	Duct Sealant Spray For Emergency Clean-up	58.69	
02 90 55 00-0397	GAL	Antifungal Duct Sealant For Emergency Clean-up	84.77	
02 90 55 00-0398	GAL	Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up	130.08	
02 90 55 00-0399	PR	Ear Plugs For Emergency Clean-up Personal Protection Equipment	0.53	
02 90 55 00-0400	GAL	Encapsulant For Emergency Clean-up	118.10	
02 90 55 00-0401	GAL	Aftershock Fiberlocke For Emergency Clean-up	103.70	
02 90 55 00-0402	GAL	IAQ 2500 Fiberlocke For Emergency Clean-up	100.66	
02 90 55 00-0403	GAL	IAS 6000 Fiberlocke For Emergency Clean-up	103.52	
02 90 55 00-0404	ROL	Filter Material For Emergency Clean-up	299.07	
02 90 55 00-0405	EA	Blue Paper Collection Bag Filter For Emergency Clean-up	8.06	
02 90 55 00-0406	EA	CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	639.66	
02 90 55 00-0407	EA	Pre-Filter For Negative Air Machine For Emergency Clean-up	3.07	
02 90 55 00-0408	EA	Pleated Filter For Negative Air Machine For Emergency Clean-up	13.66	
02 90 55 00-0409	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	48.64	
02 90 55 00-0410	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	462.65	
02 90 55 00-0411	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.21	
02 90 55 00-0412	GAL	Floor Stripper For Emergency Clean-up	18.26	
02 90 55 00-0413	GAL	Floor Wax For Emergency Clean-up	26.08	
02 90 55 00-0414	GAL	Fogger (Thermal) For Emergency Clean-up	152.98	
02 90 55 00-0415	BOX	Furniture Blocks For Emergency Clean-up	123.22	
02 90 55 00-0416	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	16.60	
02 90 55 00-0417	GAL	Glass Cleaner For Emergency Clean-up	11.07	
02 90 55 00-0418	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.36	
02 90 55 00-0419	EA	Halogen Light Bulbs For Emergency Clean-up	18.62	
02 90 55 00-0420	QT	Hand Sanitizer For Emergency Clean-up	9.21	
02 90 55 00-0421	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	7.58	
02 90 55 00-0422	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	23.59	
02 90 55 00-0423	GAL	HVAC Coal Cleaner For Emergency Clean-up	68.77	
02 90 55 00-0424	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	165.97	
02 90 55 00-0425	EA	Utility Knives For Emergency Clean-up	14.35	
02 90 55 00-0426	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	142.37	
02 90 55 00-0427	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	150.30	
02 90 55 00-0428	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	299.26	
02 90 55 00-0429	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	432.55	
02 90 55 00-0430	GAL	Lemon Oil For Emergency Clean-up	44.50	
02 90 55 00-0431	GAL	LPS 1/Mecca Lube For Emergency Clean-up	47.39	
02 90 55 00-0432	GAL	LPS 2 For Emergency Clean-up	50.16	
02 90 55 00-0433	GAL	LPS Contact Cleaner For Emergency Clean-up	49.92	
02 90 55 00-0434	GAL	Light Lubricant Preserve For Emergency Clean-up	173.25	
02 90 55 00-0435	GAL	Heavy Lubricant Preserver For Emergency Clean-up	26.08	
02 90 55 00-0436	GAL	Machinery Cleaning Solvent For Emergency Clean-up	213.06	
02 90 55 00-0437	GAL	Metal Polishing Paste For Emergency Clean-up	32.07	
02 90 55 00-0438	GAL	MediClean® Disinfectant For Emergency Clean-up	52.71	
02 90 55 00-0439	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	64.70	
02 90 55 00-0440	EA	Mop Heads For Emergency Clean-up	7.90	
02 90 55 00-0441	EA	Nylon Scouring Pads For Emergency Clean-up	1.43	
02 90 55 00-0442	GAL	Odor Neutralizer For Emergency Clean-up	44.65	
02 90 55 00-0443	EA	Packing Paper, 25 Lb. Bundle For Emergency Clean-up	86.31	
02 90 55 00-0444	EA	Paint Brushes For Emergency Clean-up	6.52	
02 90 55 00-0445	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	201.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0446	EA	Putty Knives For Emergency Clean-up	5.91	
02 90 55 00-0447	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	43.92	
02 90 55 00-0448	GAL	Reodorant For Emergency Clean-up	110.85	
02 90 55 00-0449	GAL	Restoracide For Emergency Clean-up	52.00	
02 90 55 00-0450	GAL	Rust Remover For Emergency Clean-up	77.88	
02 90 55 00-0451	EA	Saltesmo Test Samples For Emergency Clean-up	7.24	
02 90 55 00-0452	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	1.90	
02 90 55 00-0453	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	34.56	
02 90 55 00-0454	EA	Small Scrub Brushes For Emergency Clean-up	16.56	
02 90 55 00-0455	GAL	Clear Soot Sealant For Emergency Clean-up	90.32	
02 90 55 00-0456	GAL	Pigmented Soot Sealant For Emergency Clean-up	243.58	
02 90 55 00-0457	ROL	Shrinkwrap Plastic For Emergency Clean-up	56.07	
02 90 55 00-0458	EA	Dry Sponges For Emergency Clean-up	5.76	
02 90 55 00-0459	EA	Spray Adhesive, Per Can For Emergency Clean-up	5.85	
02 90 55 00-0460	EA	Spray Bot./Trigger For Emergency Clean-up	5.03	
02 90 55 00-0461	GAL	Stain Remover For Emergency Clean-up	40.33	
02 90 55 00-0462	GAL	Stainless Steel Cleaner For Emergency Clean-up	11.02	
02 90 55 00-0463	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	14.46	
02 90 55 00-0464	LB	Sweeping Compound For Emergency Clean-up	0.71	
02 90 55 00-0465	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	11.44	
02 90 55 00-0466	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	10.77	
02 90 55 00-0467	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	28.69	
02 90 55 00-0468	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	15.32	
02 90 55 00-0469	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	4.73	
02 90 55 00-0470	LB	Terry Towels For Emergency Clean-up	6.72	
02 90 55 00-0471	GAL	Thermal Fog For Emergency Clean-up	90.74	
02 90 55 00-0472	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	35.60	
02 90 55 00-0473	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	86.40	
02 90 55 00-0474	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	110.85	
02 90 55 00-0475	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	141.99	
02 90 55 00-0476	EA	Trisodium Phosphate, 20 Lb. Pail For Emergency Clean-up	47.59	
02 90 55 00-0477	EA	Backpack Vacuum Bags For Emergency Clean-up	1.60	
02 90 55 00-0478	EA	Upright Vacuum Bags For Emergency Clean-up	2.14	
02 90 55 00-0479	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	36.01	
02 90 55 00-0480	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	46.12	
02 90 55 00-0481	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	125.24	
02 90 55 00-0482	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	170.89	
02 90 55 00-0483	LB	Wipes, Cotton Cloth For Emergency Clean-up	4.84	
02 90 55 00-0484	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	140.66	
02 90 55 00-0485	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	18.00	
02 90 55 00-0486	EA	Zip Wall Zippers For Emergency Clean-up	21.35	
02 90 55 00-0487	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	34.77	
02 90 55 00-0488	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	52.17	
02 90 55 00-0489	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	54.96	
02 90 55 00-0490	EA	Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 Note: 45 OZ volume absorption capacity per pad	89.74	

02 90 55 00-0491 Technical/Electronics Restoration Materials *(02 90 55 00-0365)*

02 90 55 00-0492	EA	Brush - Brass For Emergency Clean-up	4.89	
02 90 55 00-0493	EA	1" Brush, Natural Bristle For Emergency Clean-up	1.56	
02 90 55 00-0494	EA	1/2" Brush, Natural Bristle For Emergency Clean-up	1.30	
02 90 55 00-0495	EA	1/4" Brush, Natural Bristle For Emergency Clean-up	1.11	
02 90 55 00-0496	EA	Brush - Parts For Emergency Clean-up	6.78	
02 90 55 00-0497	EA	Brush - Plastic For Emergency Clean-up	3.52	
02 90 55 00-0498	EA	Brush - Wire Grout For Emergency Clean-up	9.45	
02 90 55 00-0499	EA	Brushing Tool For Emergency Clean-up	18.23	
02 90 55 00-0500	EA	Cleaning Swabs, Cotton For Emergency Clean-up	0.33	
02 90 55 00-0501	EA	Cleaning Swabs, Foam Tip For Emergency Clean-up	0.39	
02 90 55 00-0502	EA	Contact Restorer, Per Can For Emergency Clean-up	29.65	
02 90 55 00-0503	EA	Contact Spray, Per Can For Emergency Clean-up	20.17	
02 90 55 00-0504	UNT	Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up	3.13	
02 90 55 00-0505	UNT	Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up	8.97	
02 90 55 00-0506	UNT	Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up	11.62	
02 90 55 00-0507	LB	Cotton Cleaning Cloths For Emergency Clean-up	18.34	
02 90 55 00-0508	EA	12" x 17" Dust Cloths For Emergency Clean-up	0.29	
02 90 55 00-0509	EA	24" x 24" Dust Cloths For Emergency Clean-up	0.80	
02 90 55 00-0510	EA	Deoxidizing Agent, Per Can For Emergency Clean-up	14.37	
02 90 55 00-0511	GAL	Electronic Grade Detergent For Emergency Clean-up	40.51	
02 90 55 00-0512	SHT	Inventory Labels For Emergency Clean-up	0.22	
02 90 55 00-0513	GAL	Isopropyl Alcohol For Emergency Clean-up	107.34	
02 90 55 00-0514	GAL	Lubrication/Penetrating Oil, Per Can For Emergency Clean-up	174.69	
02 90 55 00-0515	GAL	PC Board Detergent For Emergency Clean-up	83.75	
02 90 55 00-0516	GAL	Rust Inhibitor, Regular Duty For Emergency Clean-up	137.68	
02 90 55 00-0517	GAL	Rust Inhibitor, Moderate Duty For Emergency Clean-up	138.71	
02 90 55 00-0518	GAL	Rust Inhibitor, Severe Duty For Emergency Clean-up	148.27	
02 90 55 00-0519	LB	Wipes, Lint Free Cloths For Emergency Clean-up	7.61	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0520	EA	Wire Marker Card For Emergency Clean-up	2.28	
02 90 55 00-0521	EA	Steel Wool, 16 Pad Sleeve For Emergency Clean-up	1.53	

END OF SECTION 02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 Concrete

03 01 Maintenance of Concrete *(03)*

03 01 30 Maintenance of Cast-In-Place Concrete *(03 01)*

03 01 30 51 Cleaning of Cast-In-Place Concrete *(03 01 30)*

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001 Abrasive Blasting *(03 01 30 51)*

Note: Includes containment and cleanup of all material. Includes steel ball media.

03 01 30 51-0002	SF	Concrete Floors, Abrasive Shot (Bead) Blasting	3.96
		For Up To 100, Add	*3.34*
		For >100 To 250, Add	*0.84*
		For >250 To 500, Add	*0.42*
		For >5,000 To 10,000, Deduct	*-0.08*
		For >10,000, Deduct	*-0.17*
03 01 30 51-0003	SF	Concrete Walls, Abrasive Shot (Bead) Blasting	5.65
		For Up To 100, Add	*6.72*
		For >100 To 250, Add	*1.68*
		For >250 To 500, Add	*0.84*
		For >5,000 To 10,000, Deduct	*-0.17*
		For >10,000, Deduct	*-0.34*

03 01 30 71 Rehabilitation of Cast-In-Place Concrete *(03 01 30)*

03 01 30 71-0001 Concrete Resurfacing/Repair *(03 01 30 71)*

See CSI section 09 01 90 52-0002 for surface preparation as required.

03 01 30 71-0002 Concrete Repair *(03 01 30 71-0001)*

03 01 30 71-0003 Decks Or Floors *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Cementitious Mortar	7.23
03 01 30 71-0005	SF	Patch Decks Or Floors With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	22.91
03 01 30 71-0006	SF	Patch Decks Or Floors With Non-Slip Aggregate, White Aluminum Oxide Grit	0.65

03 01 30 71-0007 Concrete Grinding *(03 01 30 71-0002)*

03 01 30 71-0008	SF	Grinding Cured, Warped, Or Rough Concete Slabs Note: Up to 1/8" of material per pass	1.19

03 01 30 71-0009 Verticals Or Overheads *(03 01 30 71-0002)*

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0010	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Cementitious Mortar	10.84
03 01 30 71-0011	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Epoxy Cementitious Mortar	31.33
03 01 30 71-0012	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Latex Cementitious Mortar	35.29
03 01 30 71-0013	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Elastomeric Compound	9.56
03 01 30 71-0014	SF	Patch Verticals Or Overheads With 1/8" To 1/4" Thick Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	16.90

03 01 30 71-0015 Circular Piers *(03 01 30 71-0002)*

03 01 30 71-0016	SF	Patch Circular Piers With 1/8" To 1/4" Elastomeric Patching Compound	13.37
03 01 30 71-0017	SF	Patch Circular Piers With 1/8" To 1/4" Copolymer Cementitious Compound Note: Rapid Set - WunderFixx	23.00

03 01 30 71-0018 Bridge Deck Treatment *(03 01 30 71-0002)*

03 01 30 71-0019	SF	Sweep Bridge Deck	0.02
03 01 30 71-0020	SF	Clean Bridge Deck	0.02
03 01 30 71-0021	SF	Treat Bridge Deck With Methacrylate Resin Sealant	2.36

03 01 30 71-0022 Concrete Finishes *(03 01 30 71-0001)*

03 01 30 71-0023 Concrete Patching *(03 01 30 71-0022)*

03 01 30 71-0024 Walls *(03 01 30 71-0023)*

03 01 30 71-0025	BAG	Sika Top 111 Plus Note: SikaTop 111 PLUS is a two-component, polymer-modified, portland-cement, fast-setting, screed mortar. Yield: Approximately 0.5 cu. ft./unit. Approximately 0.75 cu. ft./unit (SikaTop 111 + 42 Lb. of 3/8" pea gravel).	182.40
		For Up To 10, Add	*65.81*
		For >10 To 25, Add	*39.49*
		For >25 To 50, Add	*26.32*
		For >50 To 75, Add	*13.16*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0026	BAG	Sika Grout 212, 50 Lb. Bag Note: SikaGrout 212 is a non-shrink, cementitious grout with a unique 2-stage shrinkage compensating mechanism. It is non-metallic and contains no chloride. Coverage: Approximately 0.44 cu. ft./bag at high flow.	125.65	
		For Up To 10, Add	*41.67*	
		For >10 To 25, Add	*25.00*	
		For >25 To 50, Add	*16.67*	
		For >50 To 75, Add	*8.33*	
03 01 30 71-0027	EA	Sika Flex 1A, 10.3 Ounce Tube Note: Sikaflex-1a is a premium-grade, high-performance, moisture-cured, 1-component, polyurethane-based, non-sag elastomeric sealant. Coverage: 10.3 fl. oz. cartridge seals 12.4 lineal ft. of 1/2 x 1/4 in. joint. 20 fl. oz. uni-pac sausage seals 24 lineal ft. of 1/2 x 1/4 in. joint.	43.45	
03 01 30 71-0028	BAG	Pea Gravel	32.57	

03 01 30 71-0029 Crack Repair For Concrete *(03 01 30 71-0001)*

03 01 30 71-0030 Non-Structural Crack Repair For Concrete *(03 01 30 71-0029)*

03 01 30 71-0031 Surface Applied, Non-Structural Crack Repair For Concrete *(03 01 30 71-0030)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0032	LF	Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	6.67	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0033	LF	>1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal)	8.74	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0034	LF	Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	6.81	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0035	LF	>1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair)	9.03	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0036	LF	Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	7.34	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0037	LF	>1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant)	10.07	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0038	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	7.72	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0039	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix)	10.83	
		For V-Grooving Crack With Grinder, Add	*5.20*	

03 01 30 71-0040 Pressure Injected, Non-Structural Crack Repair For Concrete *(03 01 30 71-0030)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.

03 01 30 71-0041	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570)	30.73	
		For Cracks Accessible From Both Sides, Add	*6.26*	

03 01 30 71-0042 Structural Crack Repair For Concrete *(03 01 30 71-0029)*

03 01 30 71-0043 Surface Applied, Structural Crack Repair For Concrete *(03 01 30 71-0042)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.

03 01 30 71-0044	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	7.81	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0045	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35)	11.03	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0046	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52)	7.61	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0047	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52)	10.62	
		For V-Grooving Crack With Grinder, Add	*5.20*	
03 01 30 71-0048	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	9.31	
		For V-Grooving Crack With Grinder, Add	*5.32*	
03 01 30 71-0049	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix)	14.02	
		For V-Grooving Crack With Grinder, Add	*5.20*	

03 01 30 71-0050 Pressure Injected, Structural Crack Repair For Concrete *(03 01 30 71-0042)*

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 01 30 71-0051	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35)	26.65	
		For Cracks Accessible From Both Sides, Add	*6.26*	
03 01 30 71-0052	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52)	26.44	
		For Cracks Accessible From Both Sides, Add	*6.26*	
03 01 30 71-0053		**Carbon Fiber Strengthening System** *(03 01 30 71-0001)* Note: Includes preparing surface, dust and debris removal by hand, clean and protect adjacent area, fill voids, primer, fabric substrate layers, final coat of epoxy and finish. Excludes disposal.		
03 01 30 71-0054	SF	Carbon Fiber Strengthening System For Concrete Beams, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	102.68	
		For >500 To 1,000, Deduct	*-6.81*	
		For >1,000 To 2,500, Deduct	*-9.20*	
		For >2,500, Deduct	*-11.95*	
03 01 30 71-0055	SF	Carbon Fiber Strengthening System For Concrete Columns, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	91.95	
		For >500 To 1,000, Deduct	*-6.01*	
		For >1,000 To 2,500, Deduct	*-8.13*	
		For >2,500, Deduct	*-10.61*	
03 01 30 71-0056	SF	Carbon Fiber Strengthening System For Concrete Ceiling Slabs, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	85.90	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000 To 2,500, Deduct	*-7.52*	
		For >2,500, Deduct	*-9.85*	
03 01 30 71-0057	SF	Carbon Fiber Strengthening System For Concrete Walls, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	82.54	
		For >500 To 1,000, Deduct	*-5.30*	
		For >1,000 To 2,500, Deduct	*-7.19*	
		For >2,500, Deduct	*-9.43*	
03 01 30 71-0058	SF	Carbon Fiber Strengthening System For Concrete Slab, Per Layer Note: Includes carbon fabric epoxy saturant, primer, filler for voids, anchors, finish.	77.85	
		For >500 To 1,000, Deduct	*-4.95*	
		For >1,000 To 2,500, Deduct	*-6.72*	
		For >2,500, Deduct	*-8.84*	
03 01 30 71-0059		**Concrete Rehabilitation** *(03 01 30 71)*		
03 01 30 71-0060		**Corrosive Inhibitor** *(03 01 30 71-0059)*		
03 01 30 71-0061	SF	Corrosive Inhibitor	6.20	
03 01 30 72		**Strengthening Of Cast-in-Place Concrete** *(03 01 30)*		
03 01 30 72-0001		**Concrete Surface Repairs** *(03 01 30 72)*		
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas	0.41	

03 05 Common Work Results For Concrete *(03)*

03 05 13 Concrete Admixtures *(03 05)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 05 13 00-0001		**Concrete Admixtures** *(03 05 13)*		
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture	8.18	
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture	5.66	
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture	8.80	
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture	17.61	
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture	15.72	
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture	31.45	
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	6.79	
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture	13.25	
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	9.43	
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture	18.87	
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture	6.29	
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture	15.09	
03 05 13 00-0014	CY	1 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	13.42	
03 05 13 00-0015	CY	1-1/2 Lb./CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture	20.13	
03 05 13 00-0016	CY	25 Lb./CY Steel Fibers, Concrete Admixture	40.18	
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture	100.63	
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture	37.74	
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add	20.13	
03 05 13 00-0020	CY	Chilled Water, Concrete Add	20.13	
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture	39.57	
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture	65.94	
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture	126.61	
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture	175.85	

03 10 Concrete Forming and Accessories *(03)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 11 Concrete Forming *(03 10)*

03 11 13 Structural Cast-In-Place Concrete Forming *(03 11)*

Note: Per square foot of formwork.

03 11 13 00-0001 Wood Formwork *(03 11 13)*

Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.

03 11 13 00-0002 Foundation Wood Formwork *(03 11 13 00-0001)*

Note: For foundation work below or at grade.

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork	9.36	
		For <1,000, Add	*1.75*	
		For Foundations >8' Below Grade, Add	*1.70*	
		For Curved Formwork, Add	*3.39*	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork	11.15	
		For <1,000, Add	*2.11*	
		For Foundations >8' Below Grade, Add	*2.05*	
		For Curved Formwork, Add	*4.09*	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork	12.85	
		For <1,000, Add	*2.46*	
		For Foundations >8' Below Grade, Add	*2.41*	
		For Curved Formwork, Add	*4.82*	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork	10.72	
		For <1,000, Add	*2.04*	
		For Foundations >8' Below Grade, Add	*1.98*	
		For Curved Formwork, Add	*3.97*	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork Note: Excludes footing	15.22	
		For <1,000, Add	*2.88*	
		For Foundations >8' Below Grade, Add	*2.80*	
		For Curved Formwork, Add	*5.61*	

03 11 13 00-0008 Slab Edge And Block-Out Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork	7.22	
		For Foundations >8' Below Grade, Add	*1.35*	
		For Curved Formwork, Add	*2.70*	
		For Up To 250, Add	*1.38*	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork	10.35	
		For Foundations >8' Below Grade, Add	*1.89*	
		For Curved Formwork, Add	*3.77*	
		For Up To 250, Add	*1.95*	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork	13.23	
		For Foundations >8' Below Grade, Add	*2.44*	
		For Curved Formwork, Add	*4.88*	
		For <1,000, Add	*2.51*	

03 11 13 00-0012 Column Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork	55.84	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork	81.02	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork	101.80	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork	146.15	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork	209.71	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork	277.17	

03 11 13 00-0019 Above Grade Wall Wood Formwork *(03 11 13 00-0001)*

03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork	17.03	
		For Curved Formwork, Add	*6.33*	
		For <1,000, Add	*3.25*	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork	20.19	
		For Curved Formwork, Add	*7.52*	
		For <1,000, Add	*3.85*	

03 11 13 00-0022 Elevated Beam Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.

03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork	22.39	
		For Curved Formwork, Add	*8.27*	
		For <1,000, Add	*4.25*	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork	14.12	
		For Curved Formwork, Add	*5.27*	
		For <1,000, Add	*2.70*	

03 11 13 00-0025 Elevated Slab Wood Formwork *(03 11 13 00-0001)*

Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.

03 11 13 00-0026	SF	Elevated Slab Wood Formwork	13.18	
		For <1,000, Add	*2.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0027		**Metal Framed Formwork** *(03 11 13)* Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
03 11 13 00-0028		**Foundation Metal Framed Formwork** *(03 11 13 00-0027)* Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork	9.34	
		For <1,000, Add	*1.67*	
		For Foundations >8' Below Grade, Add	*1.56*	
		For Curved Formwork, Add	*3.13*	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork	10.30	
		For <1,000, Add	*1.85*	
		For Foundations >8' Below Grade, Add	*1.75*	
		For Curved Formwork, Add	*3.50*	
03 11 13 00-0031	SF	Mat Foundation Metal Framed Formwork	11.64	
		For <1,000, Add	*2.07*	
		For Foundations >8' Below Grade, Add	*1.94*	
		For Curved Formwork, Add	*3.88*	
03 11 13 00-0032	SF	Grade Beams Or Duct Bank Foundation Metal Framed Formwork	9.84	
		For <1,000, Add	*1.74*	
		For Foundations >8' Below Grade, Add	*1.63*	
		For Curved Formwork, Add	*3.26*	
03 11 13 00-0033	SF	Below Grade Walls Foundation Metal Framed Formwork Note: Excludes footing.	14.79	
		For <1,000, Add	*2.68*	
		For Foundations >8' Below Grade, Add	*2.54*	
		For Curved Formwork, Add	*5.08*	
03 11 13 00-0034		**Slab Edge And Block-Out Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0035	LF	Up To 6" High Slab Edge and Block-Out Metal Framed Formwork	6.30	
		For Foundations >8' Below Grade, Add	*1.22*	
		For Curved Formwork, Add	*2.44*	
		For <250, Add	*1.23*	
03 11 13 00-0036	LF	>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork	7.91	
		For Foundations >8' Below Grade, Add	*1.51*	
		For Curved Formwork, Add	*3.03*	
		For <250, Add	*1.54*	
03 11 13 00-0037	SF	>12" High Slab Edge and Block-Out Metal Framed Formwork	8.77	
		For Foundations >8' Below Grade, Add	*1.67*	
		For Curved Formwork, Add	*3.35*	
		For <1,000, Add	*1.70*	
03 11 13 00-0038		**Column Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0039		**Square Columns** *(03 11 13 00-0038)*		
03 11 13 00-0040	LF	Up To 12" Square Column Metal Framed Formwork	57.76	
03 11 13 00-0041	LF	>12" To 16" Square Column Metal Framed Formwork	70.07	
03 11 13 00-0042	LF	>16" To 20" Square Column Metal Framed Formwork	82.41	
03 11 13 00-0043	LF	>20" To 24" Square Column Metal Framed Formwork	98.33	
03 11 13 00-0044	LF	>24" To 30" Square Column Metal Framed Formwork	118.60	
03 11 13 00-0045	LF	>30" To 36" Square Column Metal Framed Formwork	142.66	
03 11 13 00-0046	LF	>36" To 48" Square Column Metal Framed Formwork	183.22	
03 11 13 00-0047	LF	>48" To 60" Square Column Metal Framed Formwork	226.37	
03 11 13 00-0048		**Round Columns** *(03 11 13 00-0038)*		
03 11 13 00-0049	LF	Up To 12" Diameter Column Metal Formwork	64.52	
03 11 13 00-0050	LF	>12" To 16" Diameter Column Metal Formwork	71.13	
03 11 13 00-0051	LF	>16" To 20" Diameter Column Metal Formwork	80.97	
03 11 13 00-0052	LF	>20" To 24" Diameter Column Metal Formwork	93.21	
03 11 13 00-0053	LF	>24" To 30" Diameter Column Metal Formwork	109.26	
03 11 13 00-0054	LF	>30" To 36" Diameter Column Metal Formwork	124.56	
03 11 13 00-0055	LF	>36" To 48" Diameter Column Metal Formwork	164.40	
03 11 13 00-0056	LF	>48" To 60" Diameter Column Metal Formwork	221.75	
03 11 13 00-0057		**Above Grade Wall Metal Framed Formwork** *(03 11 13 00-0027)*		
03 11 13 00-0058	SF	Up to 8' High Above Grade Wall Metal Framed Formwork	9.42	
		For Curved Formwork, Add	*2.93*	
		For <1,000, Add	*1.61*	
03 11 13 00-0059	SF	>8' High Above Grade Wall Metal Framed Formwork	11.57	
		For Curved Formwork, Add	*3.54*	
		For <1,000, Add	*1.95*	
03 11 13 00-0060		**Elevated Beam Metal Framed Formwork** *(03 11 13 00-0027)* Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0061	SF	Bottom of Elevated Beam Metal Framed Formwork	9.24	
		For Curved Formwork, Add	*2.73*	
		For <1,000, Add	*1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0062	SF	Vertical Sides of Elevated Beam Metal Framed Formwork	7.07	
		For Curved Formwork, Add	*2.15*	
		For <1,000, Add	*1.19*	
03 11 13 00-0063		**Elevated Slab Metal Framed Formwork** *(03 11 13 00-0027)*		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0064	SF	Elevated Slab Metal Framed Formwork	12.30	
		For <1,000, Add	*1.83*	
03 11 13 00-0065		**Fiber Tube Formwork** *(03 11 13)*		
		Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
03 11 13 00-0066		**Round Column Fiber Tube Formwork** *(03 11 13 00-0065)*		
03 11 13 00-0067	LF	6" Diameter Round Fiber Tube Formwork	22.19	
		For Plastic Lined, Add	*0.88*	
		For Columns >12' In Length, Add	*2.22*	
03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	23.46	
		For Plastic Lined, Add	*1.04*	
		For Columns >12' In Length, Add	*2.35*	
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	26.08	
		For Plastic Lined, Add	*1.25*	
		For Columns >12' In Length, Add	*2.61*	
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	32.34	
		For Plastic Lined, Add	*2.23*	
		For Columns >12' In Length, Add	*3.23*	
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	36.36	
		For Plastic Lined, Add	*2.82*	
		For Columns >12' In Length, Add	*3.64*	
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	39.64	
		For Plastic Lined, Add	*3.51*	
		For Columns >12' In Length, Add	*3.96*	
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	42.71	
		For Plastic Lined, Add	*4.11*	
		For Columns >12' In Length, Add	*4.27*	
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	48.71	
		For Plastic Lined, Add	*5.58*	
		For Columns >12' In Length, Add	*4.87*	
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	50.98	
		For Plastic Lined, Add	*5.81*	
		For Columns >12' In Length, Add	*5.10*	
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	53.54	
		For Plastic Lined, Add	*6.13*	
		For Columns >12' In Length, Add	*5.35*	
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	55.76	
		For Plastic Lined, Add	*6.62*	
		For Columns >12' In Length, Add	*5.58*	
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	57.97	
		For Plastic Lined, Add	*7.10*	
		For Columns >12' In Length, Add	*5.80*	
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	60.19	
		For Plastic Lined, Add	*7.59*	
		For Columns >12' In Length, Add	*6.02*	
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	69.61	
		For Plastic Lined, Add	*9.76*	
		For Columns >12' In Length, Add	*6.96*	
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	109.96	
		For Plastic Lined, Add	*21.40*	
		For Columns >12' In Length, Add	*11.00*	
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	134.07	
		For Plastic Lined, Add	*28.16*	
		For Columns >12' In Length, Add	*13.41*	
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	242.28	
		For Plastic Lined, Add	*59.87*	
		For Columns >12' In Length, Add	*24.23*	
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	269.87	
		For Plastic Lined, Add	*67.56*	
		For Columns >12' In Length, Add	*26.99*	
03 11 13 00-0085		**Accessories For Formwork** *(03 11 13)*		
03 11 13 00-0086		**Keyway Forms, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.65	
03 11 13 00-0088		**Chamfer Strips, All Materials** *(03 11 13 00-0085)*		
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.81	
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.25	
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.75	
03 11 13 00-0092		**Strip Out Reglets For Concrete Formwork** *(03 11 13 00-0085)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	13.69	
03 11 13 00-0094		Sleeves And Chases, Plastic Or Sheet Metal *(03 11 13 00-0085)*		
03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	15.94	
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	19.23	
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	23.26	
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	26.32	
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	33.89	
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	73.53	
03 11 16		**Architectural Cast-In-Place Concrete Forming** *(03 11)*		
03 11 16 13		**Concrete Form Liners** *(03 11 16)*		
03 11 16 13-0001		Concrete Form Liners *(03 11 16 13)*		
03 11 16 13-0002	SF	Various Patterns And Textures, 1 Use, Concrete Form Liner, Add To Formwork	6.46	
03 11 16 13-0003	SF	Beveled Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	8.61	
03 11 16 13-0004	SF	Square Edge, Rusticated Concrete Finish, 1 Use, Concrete Form Liner, Add To Formwork	11.33	
03 11 23		**Permanent Stair Forming** *(03 11)*		
03 11 23 00-0001		Stairway Wood Formwork *(03 11 23)*		
03 11 23 00-0002	SF	Cast On Grade Stairway Wood Formwork	21.68	
		For Curved Formwork, Add	*8.36*	
		For <1,000, Add	*4.23*	
03 11 23 00-0003	SF	Elevated Stairway Wood Formwork	42.95	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*16.36*	
		For <1,000, Add	*8.32*	
03 11 23 00-0004		Stairway Metal Framed Formwork *(03 11 23)*		
03 11 23 00-0005	SF	Cast On Grade Stairway Metal Framed Formwork	18.76	
		For Curved Formwork, Add	*6.94*	
		For <1,000, Add	*3.56*	
03 11 23 00-0006	SF	Elevated Stairway Metal Framed Formwork	34.39	
		Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.		
		For Curved Formwork, Add	*12.84*	
		For <1,000, Add	*6.57*	
03 15		**Concrete Accessories** *(03 10)*		
03 15 13		**Waterstops** *(03 15)*		
03 15 13 13		**Non-Expanding Waterstops** *(03 15 13)*		
03 15 13 13-0001		Polyvinyl Chloride (PVC) Waterstops *(03 15 13 13)*		
03 15 13 13-0002	LF	3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	10.31	
03 15 13 13-0003	LF	3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	11.53	
03 15 13 13-0004	LF	3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	13.74	
03 15 13 13-0005	LF	3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb	15.02	
03 15 13 13-0006	LF	1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop	21.92	
03 15 13 13-0007	LF	3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	11.00	
03 15 13 13-0008	LF	3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop	13.86	
03 15 13 13-0009	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop	23.83	
03 15 13 13-0010	LF	3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb	19.09	
03 15 13 13-0011		Rubber Waterstops *(03 15 13 13)*		
03 15 13 13-0012	LF	3/8" Thick x 6" Wide Rubber Dumbbell Waterstop	11.38	
03 15 13 13-0013	LF	3/8" Thick x 9" Wide Rubber Dumbbell Waterstop	12.95	
03 15 13 13-0014	LF	1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb	11.62	
03 15 13 13-0015	LF	1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb	15.59	
03 15 13 13-0016	LF	3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb	13.26	
03 15 13 13-0017	LF	3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb	16.68	
03 15 13 16		**Expanding Waterstops** *(03 15 13)*		
03 15 13 16-0001		Bentonite Waterstops *(03 15 13 16)*		
03 15 13 16-0002	LF	3/4" x 3/8" Bentonite Waterstop	9.02	
03 15 13 16-0003	LF	1-1/4" x 1/2" Bentonite Waterstop	13.64	
03 15 13 16-0004	LF	1" x 3/4" Bentonite Waterstop	15.27	
03 15 13 16-0005	LF	1" x 1" Bentonite Waterstop	17.19	
03 15 16		**Concrete Construction Joints** *(03 15)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0001		**Poured Expansion Joint** *(03 15 16)*		
03 15 16 00-0002	LF	1/2" x 1" Plain Asphalt Expansion Joint, Poured	3.39	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0003	LF	1" x 2" Plain Asphalt Expansion Joint, Poured	7.69	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0004	LF	1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied	3.67	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0005	LF	1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied	8.78	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0006	LF	1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts	5.30	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0007	LF	1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts	9.70	0.92
		For Installation In Walls, Add	*2.81*	
03 15 16 00-0008	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied	3.78	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0009	LF	1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	4.67	0.92
		For Installation In Walls, Add	*1.55*	
03 15 16 00-0010	LF	1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant	12.29	0.92
		For Installation In Walls, Add	*1.73*	
03 15 16 00-0011		**Premolded Expansion Joints** *(03 15 16)*		
03 15 16 00-0012		**Asphalt Saturated Fiber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	2.86	1.34
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.27	1.40
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.51	1.47
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.77	1.54
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.10	1.34
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.45	1.40
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.86	1.47
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	4.43	1.54
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint	2.82	1.27
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint	3.06	1.34
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.36	1.40
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.60	1.47
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint	3.89	1.54
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.30	1.60
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint	4.62	1.67
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint	5.16	1.73
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint	3.38	1.40
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint	3.84	1.47
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint	4.65	1.60
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint	7.94	2.20
03 15 16 00-0033		**Cork, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint	4.72	1.40
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint	5.29	1.54
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint	5.73	1.60
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint	7.92	1.67
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint	8.42	1.73
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint	9.36	2.20
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint	10.78	2.20
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint	11.43	2.20
03 15 16 00-0042		**Flexible Polyethylene Foam, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.11	1.40
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.24	1.47
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.41	1.54
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.92	1.60
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint	3.19	1.40
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint	3.33	1.47
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint	3.47	1.54
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint	3.79	1.60
03 15 16 00-0051		**Zip Strip, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint	3.14	1.40
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint	3.41	1.47
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint	3.78	1.60
03 15 16 00-0055		**Sponge Rubber, Premolded Expansion Joints** *(03 15 16 00-0011)*		
03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint	5.06	1.34
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint	6.07	1.34
03 15 16 00-0058		**Asphalt Felt Control Joints Or Bond Breaker** *(03 15 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 Lb. Felt Bond Breaker	1.51	1.01
		>1,250, Deduct	*-0.08*	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 Lb. Felt Bond Breaker	1.42	1.01
		>1,250, Deduct	*-0.07*	

03 15 16 00-0061 Keyed Cold Expansion And Control Joints *(03 15 16)*

03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes *(03 15 16 00-0061)*

03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint	7.50
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint	7.62
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint	7.89
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint	8.34
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint	10.25

03 15 19 Cast-In Concrete Anchors *(03 15)*

03 15 19 00-0001 Cast In Place Anchors *(03 15 19)*

Note: For cast in place installations. Includes nut and washer.

03 15 19 00-0002 J-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0003 1/2" And 5/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0004	EA	1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	13.71
		For Galvanized, Add	*3.07*
		For Stainless Steel, Add	*21.46*
		For >10 To 50, Deduct	*-0.38*
		For >50 To 100, Deduct	*-0.91*
		For >100, Deduct	*-1.82*
03 15 19 00-0005	EA	1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	15.98
		For Galvanized, Add	*3.91*
		For Stainless Steel, Add	*27.34*
		For >10 To 50, Deduct	*-0.41*
		For >50 To 100, Deduct	*-1.01*
		For >100, Deduct	*-2.02*
03 15 19 00-0006	EA	1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	19.61
		For Galvanized, Add	*5.38*
		For Stainless Steel, Add	*37.66*
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.15*
		For >100, Deduct	*-2.31*
03 15 19 00-0007	EA	5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	22.91
		For Galvanized, Add	*7.03*
		For Stainless Steel, Add	*49.21*
		For >10 To 50, Deduct	*-0.44*
		For >50 To 100, Deduct	*-1.24*
		For >100, Deduct	*-2.47*
03 15 19 00-0008	EA	5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	28.43
		For Galvanized, Add	*9.39*
		For Stainless Steel, Add	*65.70*
		For >10 To 50, Deduct	*-0.48*
		For >50 To 100, Deduct	*-1.44*
		For >100, Deduct	*-2.87*
03 15 19 00-0009	EA	5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	32.07
		For Galvanized, Add	*10.73*
		For Stainless Steel, Add	*75.08*
		For >10 To 50, Deduct	*-0.53*
		For >50 To 100, Deduct	*-1.60*
		For >100, Deduct	*-3.20*

03 15 19 00-0010 3/4" And 7/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0011	EA	3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	31.92
		For Galvanized, Add	*10.65*
		For Stainless Steel, Add	*74.55*
		For >10 To 50, Deduct	*-0.53*
		For >50 To 100, Deduct	*-1.59*
		For >100, Deduct	*-3.19*
03 15 19 00-0012	EA	3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	36.62
		For Galvanized, Add	*12.41*
		For Stainless Steel, Add	*86.87*
		For >10 To 50, Deduct	*-0.59*
		For >50 To 100, Deduct	*-1.80*
		For >100, Deduct	*-3.60*
03 15 19 00-0013	EA	3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	45.07
		For Galvanized, Add	*15.90*
		For Stainless Steel, Add	*111.27*
		For >10 To 50, Deduct	*-0.66*
		For >50 To 100, Deduct	*-2.12*
		For >100, Deduct	*-4.25*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0014	EA	3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	54.94	
		For Galvanized, Add	*20.04*	
		For Stainless Steel, Add	*140.25*	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.98*	
03 15 19 00-0015	EA	7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	42.39	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-2.06*	
		For >100, Deduct	*-4.11*	
03 15 19 00-0016	EA	7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	50.03	
		For Galvanized, Add	*17.43*	
		For Stainless Steel, Add	*122.01*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
03 15 19 00-0017	EA	7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	64.15	
		For Galvanized, Add	*23.23*	
		For Stainless Steel, Add	*162.61*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.93*	
		For >100, Deduct	*-5.86*	

03 15 19 00-0018 1" And 1-1/8" Diameter *(03 15 19 00-0002)*

03 15 19 00-0019	EA	1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	52.82	
		For Galvanized, Add	*18.83*	
		For Stainless Steel, Add	*131.78*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
03 15 19 00-0020	EA	1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	63.00	
		For Galvanized, Add	*22.66*	
		For Stainless Steel, Add	*158.59*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.80*	
03 15 19 00-0021	EA	1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	78.04	
		For Galvanized, Add	*28.41*	
		For Stainless Steel, Add	*198.84*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-3.54*	
		For >100, Deduct	*-7.09*	
03 15 19 00-0022	EA	1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	95.95	
		For Galvanized, Add	*34.71*	
		For Stainless Steel, Add	*242.94*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-4.39*	
		For >100, Deduct	*-8.78*	
03 15 19 00-0023	EA	1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	63.73	
		For Galvanized, Add	*23.54*	
		For Stainless Steel, Add	*164.78*	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.68*	
03 15 19 00-0024	EA	1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	76.07	
		For Galvanized, Add	*28.33*	
		For Stainless Steel, Add	*198.28*	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-3.36*	
		For >100, Deduct	*-6.72*	
03 15 19 00-0025	EA	1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.33	
		For Galvanized, Add	*35.51*	
		For Stainless Steel, Add	*248.57*	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-4.11*	
		For >100, Deduct	*-8.21*	
03 15 19 00-0026	EA	1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	115.90	
		For Galvanized, Add	*43.38*	
		For Stainless Steel, Add	*303.66*	
		For >10 To 50, Deduct	*-1.46*	
		For >50 To 100, Deduct	*-5.08*	
		For >100, Deduct	*-10.17*	

03 15 19 00-0027 1-1/4" And 1-1/2" Diameter *(03 15 19 00-0002)*

03 15 19 00-0028	EA	1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	77.29	
		For Galvanized, Add	*29.42*	
		For Stainless Steel, Add	*205.94*	
		For >10 To 50, Deduct	*-0.92*	
		For >50 To 100, Deduct	*-3.32*	
		For >100, Deduct	*-6.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0029	EA	1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	92.34	
		For Galvanized, Add	*35.42*	
		For Stainless Steel, Add	*247.91*	
		For >10 To 50, Deduct	*-1.08*	
		For >50 To 100, Deduct	*-3.92*	
		For >100, Deduct	*-7.84*	
03 15 19 00-0030	EA	1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	114.62	
		For Galvanized, Add	*44.40*	
		For Stainless Steel, Add	*310.77*	
		For >10 To 50, Deduct	*-1.29*	
		For >50 To 100, Deduct	*-4.80*	
		For >100, Deduct	*-9.61*	
03 15 19 00-0031	EA	1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	140.71	
		For Galvanized, Add	*54.22*	
		For Stainless Steel, Add	*379.54*	
		For >10 To 50, Deduct	*-1.61*	
		For >50 To 100, Deduct	*-5.94*	
		For >100, Deduct	*-11.88*	
03 15 19 00-0032	EA	1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	94.24	
		For Galvanized, Add	*36.78*	
		For Stainless Steel, Add	*257.43*	
		For >10 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.91*	
		For >100, Deduct	*-7.82*	
03 15 19 00-0033	EA	1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	112.65	
		For Galvanized, Add	*44.26*	
		For Stainless Steel, Add	*309.82*	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-4.63*	
		For >100, Deduct	*-9.25*	
03 15 19 00-0034	EA	1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	139.98	
		For Galvanized, Add	*55.51*	
		For Stainless Steel, Add	*388.54*	
		For >10 To 50, Deduct	*-1.45*	
		For >50 To 100, Deduct	*-5.67*	
		For >100, Deduct	*-11.34*	
03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt	171.75	
		For Galvanized, Add	*67.78*	
		For Stainless Steel, Add	*474.46*	
		For >10 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-7.01*	
		For >100, Deduct	*-14.02*	

03 15 19 00-0036 L-Type Anchor Bolts *(03 15 19 00-0001)*

See CSI section 03 11 13 00-0002 for template.

03 15 19 00-0037 3/4" And 7/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	28.08	
		For Galvanized, Add	*8.14*	
		For Stainless Steel, Add	*56.98*	
		For >10 To 50, Deduct	*-0.59*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.17*	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.39	
		For Galvanized, Add	*10.06*	
		For Stainless Steel, Add	*70.39*	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.66*	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.23	
		For Galvanized, Add	*11.53*	
		For Stainless Steel, Add	*80.71*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.09*	
		For >100, Deduct	*-4.19*	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.63	
		For Galvanized, Add	*11.97*	
		For Stainless Steel, Add	*83.79*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.74*	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.36	
		For Galvanized, Add	*12.57*	
		For Stainless Steel, Add	*87.96*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.75*	
		For >100, Deduct	*-5.50*	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	33.47	
		For Galvanized, Add	*10.10*	
		For Stainless Steel, Add	*70.67*	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.83*	
		For >100, Deduct	*-3.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	38.69	
		For Galvanized, Add	*11.76*	
		For Stainless Steel, Add	*82.32*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.21*	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	44.66	
		For Galvanized, Add	*13.49*	
		For Stainless Steel, Add	*94.40*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.89*	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	49.23	
		For Galvanized, Add	*14.00*	
		For Stainless Steel, Add	*98.00*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.82*	
		For >100, Deduct	*-5.65*	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.96	
		For Galvanized, Add	*14.71*	
		For Stainless Steel, Add	*102.97*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-3.39*	
		For >100, Deduct	*-6.78*	
03 15 19 00-0048		1" And 1-1/8" Diameter *(03 15 19 00-0036)*		
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	41.06	
		For Galvanized, Add	*12.95*	
		For Stainless Steel, Add	*90.62*	
		For >10 To 50, Deduct	*-0.76*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.33*	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	46.80	
		For Galvanized, Add	*14.56*	
		For Stainless Steel, Add	*101.89*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-4.99*	
03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	53.79	
		For Galvanized, Add	*16.28*	
		For Stainless Steel, Add	*113.96*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.87*	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.17	
		For Galvanized, Add	*17.05*	
		For Stainless Steel, Add	*119.32*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-3.16*	
		For >100, Deduct	*-6.32*	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.24	
		For Galvanized, Add	*17.85*	
		For Stainless Steel, Add	*124.95*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-3.55*	
		For >100, Deduct	*-7.09*	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	70.86	
		For Galvanized, Add	*20.69*	
		For Stainless Steel, Add	*144.80*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-3.98*	
		For >100, Deduct	*-7.97*	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	83.81	
		For Galvanized, Add	*24.21*	
		For Stainless Steel, Add	*169.47*	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-4.75*	
		For >100, Deduct	*-9.50*	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	51.74	
		For Galvanized, Add	*17.03*	
		For Stainless Steel, Add	*119.18*	
		For >10 To 50, Deduct	*-0.88*	
		For >50 To 100, Deduct	*-2.62*	
		For >100, Deduct	*-5.24*	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	59.34	
		For Galvanized, Add	*19.06*	
		For Stainless Steel, Add	*133.39*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.96	
		For Galvanized, Add	*19.94*	
		For Stainless Steel, Add	*139.58*	
		For >10 To 50, Deduct	*-1.15*	
		For >50 To 100, Deduct	*-3.31*	
		For >100, Deduct	*-6.61*	

03 15 19 00-0059 1-1/4" And 1-3/8" Diameter *(03 15 19 00-0036)*

03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	62.41	
		For Galvanized, Add	*20.59*	
		For Stainless Steel, Add	*144.13*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.31*	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	74.73	
		For Galvanized, Add	*24.10*	
		For Stainless Steel, Add	*168.67*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-3.86*	
		For >100, Deduct	*-7.72*	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	82.52	
		For Galvanized, Add	*27.29*	
		For Stainless Steel, Add	*191.03*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-4.16*	
		For >100, Deduct	*-8.32*	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	91.12	
		For Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*215.71*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-4.49*	
		For >100, Deduct	*-8.98*	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	100.21	
		For Galvanized, Add	*33.52*	
		For Stainless Steel, Add	*234.61*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-4.99*	
		For >100, Deduct	*-9.99*	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	109.70	
		For Galvanized, Add	*35.89*	
		For Stainless Steel, Add	*251.23*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-5.59*	
		For >100, Deduct	*-11.17*	
03 15 19 00-0066	EA	1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	121.07	
		For Galvanized, Add	*38.42*	
		For Stainless Steel, Add	*268.94*	
		For >10 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.34*	
		For >100, Deduct	*-12.69*	
03 15 19 00-0067	EA	1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	138.05	
		For Galvanized, Add	*42.48*	
		For Stainless Steel, Add	*297.36*	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-7.43*	
		For >100, Deduct	*-14.87*	
03 15 19 00-0068	EA	1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	72.71	
		For Galvanized, Add	*25.74*	
		For Stainless Steel, Add	*180.18*	
		For >10 To 50, Deduct	*-1.06*	
		For >50 To 100, Deduct	*-3.41*	
		For >100, Deduct	*-6.82*	
03 15 19 00-0069	EA	1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	86.79	
		For Galvanized, Add	*30.13*	
		For Stainless Steel, Add	*210.88*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-4.16*	
		For >100, Deduct	*-8.32*	
03 15 19 00-0070	EA	1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	96.16	
		For Galvanized, Add	*34.11*	
		For Stainless Steel, Add	*238.77*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-9.00*	
03 15 19 00-0071	EA	1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	106.52	
		For Galvanized, Add	*38.52*	
		For Stainless Steel, Add	*269.61*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-4.87*	
		For >100, Deduct	*-9.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0072	EA	1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	116.99	
		For Galvanized, Add	*41.91*	
		For Stainless Steel, Add	*293.34*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.41*	
		For >100, Deduct	*-10.83*	
03 15 19 00-0073	EA	1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	127.67	
		For Galvanized, Add	*44.88*	
		For Stainless Steel, Add	*314.13*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-6.04*	
		For >100, Deduct	*-12.07*	
03 15 19 00-0074	EA	1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	141.07	
		For Galvanized, Add	*48.42*	
		For Stainless Steel, Add	*338.94*	
		For >10 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.84*	
		For >100, Deduct	*-13.69*	
03 15 19 00-0075	EA	1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	159.31	
		For Galvanized, Add	*53.11*	
		For Stainless Steel, Add	*371.77*	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-7.96*	
		For >100, Deduct	*-15.93*	

03 15 19 00-0076 1-1/2", 1-3/4", And 2" Diameter *(03 15 19 00-0036)*

03 15 19 00-0077	EA	1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	95.49	
		For Galvanized, Add	*35.68*	
		For Stainless Steel, Add	*249.76*	
		For >10 To 50, Deduct	*-1.21*	
		For >50 To 100, Deduct	*-4.20*	
		For >100, Deduct	*-8.39*	
03 15 19 00-0078	EA	1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	102.79	
		For Galvanized, Add	*37.43*	
		For Stainless Steel, Add	*261.98*	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-4.67*	
		For >100, Deduct	*-9.33*	
03 15 19 00-0079	EA	1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	113.59	
		For Galvanized, Add	*41.18*	
		For Stainless Steel, Add	*288.26*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.18*	
		For >100, Deduct	*-10.36*	
03 15 19 00-0080	EA	1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	123.16	
		For Galvanized, Add	*44.99*	
		For Stainless Steel, Add	*314.93*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-5.57*	
		For >100, Deduct	*-11.14*	
03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	132.99	
		For Galvanized, Add	*48.80*	
		For Stainless Steel, Add	*341.60*	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-5.98*	
		For >100, Deduct	*-11.96*	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	145.80	
		For Galvanized, Add	*52.48*	
		For Stainless Steel, Add	*367.36*	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-6.71*	
		For >100, Deduct	*-13.42*	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	161.80	
		For Galvanized, Add	*56.77*	
		For Stainless Steel, Add	*397.39*	
		For >10 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-7.66*	
		For >100, Deduct	*-15.33*	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	184.89	
		For Galvanized, Add	*62.96*	
		For Stainless Steel, Add	*440.69*	
		For >10 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-9.05*	
		For >100, Deduct	*-18.09*	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	133.91	
		For Galvanized, Add	*53.69*	
		For Stainless Steel, Add	*375.80*	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-5.34*	
		For >100, Deduct	*-10.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	139.20	
		For Galvanized, Add	*54.86*	
		For Stainless Steel, Add	*383.99*	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-5.69*	
		For >100, Deduct	*-11.38*	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	142.70	
		For Galvanized, Add	*55.74*	
		For Stainless Steel, Add	*390.15*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-5.91*	
		For >100, Deduct	*-11.82*	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	161.92	
		For Galvanized, Add	*64.37*	
		For Stainless Steel, Add	*450.59*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-6.54*	
		For >100, Deduct	*-13.07*	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	186.54	
		For Galvanized, Add	*74.31*	
		For Stainless Steel, Add	*520.17*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-7.51*	
		For >100, Deduct	*-15.02*	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	194.81	
		For Galvanized, Add	*75.29*	
		For Stainless Steel, Add	*527.03*	
		For >10 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.19*	
		For >100, Deduct	*-16.38*	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	215.69	
		For Galvanized, Add	*81.30*	
		For Stainless Steel, Add	*569.10*	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-9.37*	
		For >100, Deduct	*-18.75*	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	241.48	
		For Galvanized, Add	*87.57*	
		For Stainless Steel, Add	*612.96*	
		For >10 To 50, Deduct	*-3.32*	
		For >50 To 100, Deduct	*-11.01*	
		For >100, Deduct	*-22.03*	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	194.68	
		For Galvanized, Add	*81.73*	
		For Stainless Steel, Add	*572.08*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-7.21*	
		For >100, Deduct	*-14.42*	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	212.09	
		For Galvanized, Add	*88.35*	
		For Stainless Steel, Add	*618.45*	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-7.96*	
		For >100, Deduct	*-15.91*	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	233.44	
		For Galvanized, Add	*96.30*	
		For Stainless Steel, Add	*674.10*	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-8.90*	
		For >100, Deduct	*-17.80*	
03 15 19 00-0096	EA	2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	252.23	
		For Galvanized, Add	*101.99*	
		For Stainless Steel, Add	*713.90*	
		For >10 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-9.93*	
		For >100, Deduct	*-19.85*	
03 15 19 00-0097	EA	2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	272.27	
		For Galvanized, Add	*109.59*	
		For Stainless Steel, Add	*767.13*	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-10.79*	
		For >100, Deduct	*-21.58*	
03 15 19 00-0098	EA	2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	293.02	
		For Galvanized, Add	*117.02*	
		For Stainless Steel, Add	*819.14*	
		For >10 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-11.75*	
		For >100, Deduct	*-23.50*	
03 15 19 00-0099	EA	2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	327.20	
		For Galvanized, Add	*125.68*	
		For Stainless Steel, Add	*879.76*	
		For >10 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-13.87*	
		For >100, Deduct	*-27.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0100	EA	2" Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	352.17	
		For Galvanized, Add	*138.17*	
		For Stainless Steel, Add	*967.16*	
		For >10 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-14.49*	
		For >100, Deduct	*-28.98*	
03 15 19 00-0101	EA	2" Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	395.65	
		For Galvanized, Add	*153.59*	
		For Stainless Steel, Add	*1,075.10*	
		For >10 To 50, Deduct	*-4.42*	
		For >50 To 100, Deduct	*-16.53*	
		For >100, Deduct	*-33.05*	

03 15 19 00-0102 2-1/2" And 2-3/4" Diameter *(03 15 19 00-0036)*

03 15 19 00-0103	EA	2-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	394.36	
		For Galvanized, Add	*181.57*	
		For Stainless Steel, Add	*1,270.96*	
		For >10 To 50, Deduct	*-1.56*	
		For >50 To 100, Deduct	*-12.20*	
		For >100, Deduct	*-24.40*	
03 15 19 00-0104	EA	2-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	414.95	
		For Galvanized, Add	*189.78*	
		For Stainless Steel, Add	*1,328.46*	
		For >10 To 50, Deduct	*-1.77*	
		For >50 To 100, Deduct	*-13.03*	
		For >100, Deduct	*-26.06*	
03 15 19 00-0105	EA	2-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	452.47	
		For Galvanized, Add	*205.82*	
		For Stainless Steel, Add	*1,440.71*	
		For >10 To 50, Deduct	*-2.04*	
		For >50 To 100, Deduct	*-14.37*	
		For >100, Deduct	*-28.75*	
03 15 19 00-0106	EA	2-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	482.06	
		For Galvanized, Add	*216.90*	
		For Stainless Steel, Add	*1,518.30*	
		For >10 To 50, Deduct	*-2.41*	
		For >50 To 100, Deduct	*-15.67*	
		For >100, Deduct	*-31.34*	
03 15 19 00-0107	EA	2-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	510.15	
		For Galvanized, Add	*228.53*	
		For Stainless Steel, Add	*1,599.71*	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-16.74*	
		For >100, Deduct	*-33.47*	
03 15 19 00-0108	EA	2-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	542.08	
		For Galvanized, Add	*241.55*	
		For Stainless Steel, Add	*1,690.85*	
		For >10 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-17.98*	
		For >100, Deduct	*-35.95*	
03 15 19 00-0109	EA	2-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	585.60	
		For Galvanized, Add	*254.88*	
		For Stainless Steel, Add	*1,784.16*	
		For >10 To 50, Deduct	*-3.79*	
		For >50 To 100, Deduct	*-20.33*	
		For >100, Deduct	*-40.66*	
03 15 19 00-0110	EA	2-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	444.27	
		For Galvanized, Add	*205.55*	
		For Stainless Steel, Add	*1,438.82*	
		For >10 To 50, Deduct	*-1.66*	
		For >50 To 100, Deduct	*-13.60*	
		For >100, Deduct	*-27.19*	
03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	477.66	
		For Galvanized, Add	*219.87*	
		For Stainless Steel, Add	*1,539.09*	
		For >10 To 50, Deduct	*-1.90*	
		For >50 To 100, Deduct	*-14.79*	
		For >100, Deduct	*-29.57*	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	512.89	
		For Galvanized, Add	*234.33*	
		For Stainless Steel, Add	*1,640.31*	
		For >10 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-16.14*	
		For >100, Deduct	*-32.28*	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	547.80	
		For Galvanized, Add	*247.36*	
		For Stainless Steel, Add	*1,731.49*	
		For >10 To 50, Deduct	*-2.65*	
		For >50 To 100, Deduct	*-17.68*	
		For >100, Deduct	*-35.35*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0114	EA 2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	582.15	
	For Galvanized, Add	*261.59*	
	For Stainless Steel, Add	*1,831.10*	
	For >10 To 50, Deduct	*-2.95*	
	For >50 To 100, Deduct	*-18.98*	
	For >100, Deduct	*-37.95*	
03 15 19 00-0115	EA 2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	629.93	
	For Galvanized, Add	*281.79*	
	For Stainless Steel, Add	*1,972.53*	
	For >10 To 50, Deduct	*-3.32*	
	For >50 To 100, Deduct	*-20.72*	
	For >100, Deduct	*-41.45*	
03 15 19 00-0116	EA 2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	683.05	
	For Galvanized, Add	*297.29*	
	For Stainless Steel, Add	*2,081.00*	
	For >10 To 50, Deduct	*-4.42*	
	For >50 To 100, Deduct	*-23.71*	
	For >100, Deduct	*-47.42*	

03 20 Concrete Reinforcing *(03)*

Note: Includes cutting or torching to size, bending where necessary and tie wires.

03 21 Reinforcement Bars *(03 20)*

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 (1/8" Diameter) - 0.167 Lb./LF, #3 (3/8" Diameter) - 0.376 Ls./LF, #4 (1/2" Diameter) - 0.668 Lb./LF, #5 (5/8" Diameter) - 1.043 Lb./LF, #6 (3/4" Diameter) - 1.502 Lb./LF, #7 (7/8" Diameter) - 2.044 Lb./LF, #8 (1" Diameter) - 2.670 Lb./LF, #9 (1.128" Diameter) - 3.400 Lb./LF, #10 (1.27" Diameter) - 4.303 Lb./LF, #11 (1.41" Diameter) - 5.313 Lb./LF, #14 (1.693" Diameter) - 7.650 Lb./LF, #18 (2.257" Diameter) - 13.600 Lb./LF.

03 21 11 Plain Steel Reinforcement Bars *(03 21)*

03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF #3, Grade 40, Beams And Girders, Steel Reinforcement Bar	0.83	
	For Up To 100, Add	*0.57*	
	For >100 To 200, Add	*0.31*	
	For >200 To 500, Add	*0.12*	
03 21 11 00-0003	LF #4, Grade 40, Beams And Girders, Steel Reinforcement Bar	1.41	
	For Up To 100, Add	*0.99*	
	For >100 To 200, Add	*0.53*	
	For >200 To 500, Add	*0.21*	
03 21 11 00-0004	LF #5, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.12	
	For Up To 100, Add	*1.51*	
	For >100 To 200, Add	*0.81*	
	For >200 To 500, Add	*0.32*	
03 21 11 00-0005	LF #6, Grade 40, Beams And Girders, Steel Reinforcement Bar	2.94	
	For Up To 100, Add	*2.14*	
	For >100 To 200, Add	*1.14*	
	For >200 To 500, Add	*0.45*	
03 21 11 00-0006	LF #3, Grade 50, Beams And Girders, Steel Reinforcement Bar	0.85	
	For Up To 100, Add	*0.59*	
	For >100 To 200, Add	*0.32*	
	For >200 To 500, Add	*0.13*	
03 21 11 00-0007	LF #4, Grade 50, Beams And Girders, Steel Reinforcement Bar	1.45	
	For Up To 100, Add	*1.03*	
	For >100 To 200, Add	*0.55*	
	For >200 To 500, Add	*0.22*	
03 21 11 00-0008	LF #5, Grade 50, Beams And Girders, Steel Reinforcement Bar	2.17	
	For Up To 100, Add	*1.56*	
	For >100 To 200, Add	*0.83*	
	For >200 To 500, Add	*0.33*	
03 21 11 00-0009	LF #6, Grade 50, Beams And Girders, Steel Reinforcement Bar	3.02	
	For Up To 100, Add	*2.22*	
	For >100 To 200, Add	*1.18*	
	For >200 To 500, Add	*0.47*	
03 21 11 00-0010	LF #3, Grade 60, Beams And Girders, Steel Reinforcement Bar	0.88	
	For Up To 100, Add	*0.62*	
	For >100 To 200, Add	*0.33*	
	For >200 To 500, Add	*0.13*	
03 21 11 00-0011	LF #4, Grade 60, Beams And Girders, Steel Reinforcement Bar	1.50	
	For Up To 100, Add	*1.08*	
	For >100 To 200, Add	*0.58*	
	For >200 To 500, Add	*0.23*	
03 21 11 00-0012	LF #5, Grade 60, Beams And Girders, Steel Reinforcement Bar	2.26	
	For Up To 100, Add	*1.65*	
	For >100 To 200, Add	*0.88*	
	For >200 To 500, Add	*0.35*	
03 21 11 00-0013	LF #6, Grade 60, Beams And Girders, Steel Reinforcement Bar	3.14	
	For Up To 100, Add	*2.34*	
	For >100 To 200, Add	*1.24*	
	For >200 To 500, Add	*0.49*	
03 21 11 00-0014	LF #7, Grade 60, Beams And Girders, Steel Reinforcement Bar	4.08	
	For Up To 100, Add	*2.40*	
	For >100 To 200, Add	*1.39*	
	For >200 To 400, Add	*0.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar	5.12	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.76*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar	6.33	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.04*	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar	7.78	
		For Up To 100, Add	*3.88*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.04*	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar	9.30	
		For Up To 100, Add	*4.70*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar	12.97	
		For Up To 100, Add	*6.64*	
		For >100 To 200, Add	*3.51*	
		For >200 To 300, Add	*1.75*	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar	22.30	
		For Up To 100, Add	*11.57*	
		For >100 To 200, Add	*6.09*	
		For >200 To 300, Add	*3.04*	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.46*	
		For >100 To 200, Add	*1.30*	
		For >200 To 500, Add	*0.52*	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar	4.25	
		For Up To 100, Add	*2.53*	
		For >100 To 200, Add	*1.45*	
		For >200 To 400, Add	*0.69*	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar	5.34	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.88*	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar	6.60	
		For Up To 100, Add	*4.05*	
		For >100 To 200, Add	*2.30*	
		For >200 To 400, Add	*1.09*	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar	8.12	
		For Up To 100, Add	*4.08*	
		For >100 To 200, Add	*2.17*	
		For >200 To 300, Add	*1.09*	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar	9.73	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar	13.58	
		For Up To 100, Add	*7.00*	
		For >100 To 200, Add	*3.69*	
		For >200 To 300, Add	*1.85*	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar	23.38	
		For Up To 100, Add	*12.22*	
		For >100 To 200, Add	*6.41*	
		For >200 To 300, Add	*3.21*	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.64*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	1.54	
		For Up To 100, Add	*1.12*	
		For >100 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.71*	
		For >100 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	3.23	
		For Up To 100, Add	*2.43*	
		For >100 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	4.21	
		For Up To 100, Add	*2.50*	
		For >100 To 200, Add	*1.44*	
		For >200 To 400, Add	*0.68*	
03 21 11 00-0034	LF	#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	5.28	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.86*	
03 21 11 00-0035	LF	#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	6.53	
		For Up To 100, Add	*3.99*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0036	LF	#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	8.03	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.15*	
		For >200 To 300, Add	*1.07*	
03 21 11 00-0037	LF	#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	9.62	
		For Up To 100, Add	*4.89*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.30*	
03 21 11 00-0038	LF	#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	13.42	
		For Up To 100, Add	*6.91*	
		For >100 To 200, Add	*3.64*	
		For >200 To 300, Add	*1.82*	
03 21 11 00-0039	LF	#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar	23.11	
		For Up To 100, Add	*12.05*	
		For >100 To 200, Add	*6.33*	
		For >200 To 300, Add	*3.16*	

03 21 11 00-0040 Columns, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0041	LF	#3, Grade 40, Columns, Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0042	LF	#4, Grade 40, Columns, Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0043	LF	#5, Grade 40, Columns, Steel Reinforcement Bar	2.21	
		For Up To 100, Add	*1.55*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0044	LF	#6, Grade 40, Columns, Steel Reinforcement Bar	3.07	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0045	LF	#3, Grade 50, Columns, Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.60*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0046	LF	#4, Grade 50, Columns, Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0047	LF	#5, Grade 50, Columns, Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.60*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0048	LF	#6, Grade 50, Columns, Steel Reinforcement Bar	3.15	
		For Up To 100, Add	*2.27*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0049	LF	#3, Grade 60, Columns, Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.63*	
		For >100 To 200, Add	*0.34*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0050	LF	#4, Grade 60, Columns, Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.11*	
		For >100 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.24*	
03 21 11 00-0051	LF	#5, Grade 60, Columns, Steel Reinforcement Bar	2.35	
		For Up To 100, Add	*1.69*	
		For >100 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.36*	
03 21 11 00-0052	LF	#6, Grade 60, Columns, Steel Reinforcement Bar	3.27	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.27*	
		For >200 To 500, Add	*0.51*	
03 21 11 00-0053	LF	#7, Grade 60, Columns, Steel Reinforcement Bar	4.25	
		For Up To 100, Add	*2.46*	
		For >100 To 200, Add	*1.43*	
		For >200 To 400, Add	*0.67*	
03 21 11 00-0054	LF	#8, Grade 60, Columns, Steel Reinforcement Bar	5.31	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.81*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0055	LF	#9, Grade 60, Columns, Steel Reinforcement Bar	6.55	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.06*	
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar	8.03	
		For Up To 100, Add	*3.95*	
		For >100 To 200, Add	*2.12*	
		For >200 To 300, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar	9.59	
		For Up To 100, Add	*4.78*	
		For >100 To 200, Add	*2.55*	
		For >200 To 300, Add	*1.28*	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar	13.36	
		For Up To 100, Add	*6.75*	
		For >100 To 200, Add	*3.59*	
		For >200 To 300, Add	*1.79*	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar	22.90	
		For Up To 100, Add	*11.75*	
		For >100 To 200, Add	*6.21*	
		For >200 To 300, Add	*3.10*	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar	3.39	
		For Up To 100, Add	*2.51*	
		For >100 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.53*	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar	4.42	
		For Up To 100, Add	*2.59*	
		For >100 To 200, Add	*1.50*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar	5.53	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.89*	
		For >200 To 400, Add	*0.89*	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar	6.82	
		For Up To 100, Add	*4.12*	
		For >100 To 200, Add	*2.36*	
		For >200 To 400, Add	*1.12*	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar	8.37	
		For Up To 100, Add	*4.16*	
		For >100 To 200, Add	*2.22*	
		For >200 To 300, Add	*1.11*	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar	10.02	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.68*	
		For >200 To 300, Add	*1.34*	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar	13.97	
		For Up To 100, Add	*7.12*	
		For >100 To 200, Add	*3.77*	
		For >200 To 300, Add	*1.89*	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar	23.98	
		For Up To 100, Add	*12.40*	
		For >100 To 200, Add	*6.53*	
		For >200 To 300, Add	*3.27*	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.65*	
		For >100 To 200, Add	*0.35*	
		For >200 To 500, Add	*0.14*	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.15*	
		For >100 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.25*	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	2.41	
		For Up To 100, Add	*1.75*	
		For >100 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.37*	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	3.36	
		For Up To 100, Add	*2.48*	
		For >100 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.53*	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	4.38	
		For Up To 100, Add	*2.56*	
		For >100 To 200, Add	*1.48*	
		For >200 To 400, Add	*0.70*	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	5.47	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.87*	
		For >200 To 400, Add	*0.88*	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	6.75	
		For Up To 100, Add	*4.07*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.10*	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	8.28	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.20*	
		For >200 To 300, Add	*1.10*	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	9.91	
		For Up To 100, Add	*4.97*	
		For >100 To 200, Add	*2.65*	
		For >200 To 300, Add	*1.32*	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	13.81	
		For Up To 100, Add	*7.02*	
		For >100 To 200, Add	*3.72*	
		For >200 To 300, Add	*1.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0078	LF	#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar	23.71	
		For Up To 100, Add	*12.23*	
		For >100 To 200, Add	*6.45*	
		For >200 To 300, Add	*3.22*	

03 21 11 00-0079 Footings, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0080	LF	#3, Grade 40, Footings, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0081	LF	#4, Grade 40, Footings, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0082	LF	#5, Grade 40, Footings, Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.45*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0083	LF	#6, Grade 40, Footings, Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.06*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0084	LF	#3, Grade 50, Footings, Steel Reinforcement Bar	0.78	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0085	LF	#4, Grade 50, Footings, Steel Reinforcement Bar	1.35	
		For Up To 100, Add	*0.99*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0086	LF	#5, Grade 50, Footings, Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.50*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0087	LF	#6, Grade 50, Footings, Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0088	LF	#3, Grade 60, Footings, Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0089	LF	#4, Grade 60, Footings, Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0090	LF	#5, Grade 60, Footings, Steel Reinforcement Bar	2.11	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0091	LF	#6, Grade 60, Footings, Steel Reinforcement Bar	2.94	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0092	LF	#7, Grade 60, Footings, Steel Reinforcement Bar	3.84	
		For Up To 100, Add	*2.32*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0093	LF	#8, Grade 60, Footings, Steel Reinforcement Bar	4.83	
		For Up To 100, Add	*2.97*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0094	LF	#9, Grade 60, Footings, Steel Reinforcement Bar	5.99	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0095	LF	#10, Grade 60, Footings, Steel Reinforcement Bar	7.38	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.62*	
		For >200 To 400, Add	*1.25*	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*1.00*	
03 21 11 00-0096	LF	#11, Grade 60, Footings, Steel Reinforcement Bar	8.86	
		For Up To 100, Add	*5.64*	
		For >100 To 200, Add	*3.17*	
		For >200 To 400, Add	*1.52*	
		For Up To 100, Add	*4.56*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0097	LF	#14, Grade 60, Footings, Steel Reinforcement Bar	12.40	
		For Up To 100, Add	*8.00*	
		For >100 To 200, Add	*4.47*	
		For >200 To 400, Add	*2.16*	
		For Up To 100, Add	*6.47*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar	21.38	
		For Up To 100, Add	*13.99*	
		For >100 To 200, Add	*7.78*	
		For >200 To 400, Add	*3.76*	
		For Up To 100, Add	*11.29*	
		For >100 To 200, Add	*5.90*	
		For >200 To 300, Add	*2.95*	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar	3.06	
		For Up To 100, Add	*2.38*	
		For >100 To 200, Add	*1.25*	
		For >200 To 500, Add	*0.50*	
		For Up To 100, Add	*1.84*	
		For >100 To 200, Add	*1.05*	
		For >200 To 400, Add	*0.50*	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar	4.01	
		For Up To 100, Add	*2.45*	
		For >100 To 200, Add	*1.39*	
		For >200 To 400, Add	*0.66*	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar	5.05	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.85*	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar	6.26	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.06*	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar	7.72	
		For Up To 100, Add	*3.96*	
		For >100 To 200, Add	*2.09*	
		For >200 To 300, Add	*1.05*	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar	9.29	
		For Up To 100, Add	*4.82*	
		For >100 To 200, Add	*2.54*	
		For >200 To 300, Add	*1.27*	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar	13.01	
		For Up To 100, Add	*6.83*	
		For >100 To 200, Add	*3.58*	
		For >200 To 300, Add	*1.79*	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar	22.46	
		For Up To 100, Add	*11.94*	
		For >100 To 200, Add	*6.23*	
		For >200 To 300, Add	*3.11*	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	0.83	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.33*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	1.44	
		For Up To 100, Add	*1.08*	
		For >100 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.23*	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	2.17	
		For Up To 100, Add	*1.65*	
		For >100 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.35*	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.03	
		For Up To 100, Add	*2.35*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	3.97	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.38*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	4.99	
		For Up To 100, Add	*3.09*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	6.19	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.05*	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	7.63	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	9.18	
		For Up To 100, Add	*4.76*	
		For >100 To 200, Add	*2.50*	
		For >200 To 300, Add	*1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	12.85	
		For Up To 100, Add	*6.74*	
		For >100 To 200, Add	*3.53*	
		For >200 To 300, Add	*1.77*	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar	22.19	
		For Up To 100, Add	*11.78*	
		For >100 To 200, Add	*6.15*	
		For >200 To 300, Add	*3.07*	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0119	LF	#3, Grade 40, Slab On Grade, Steel Reinforcement Bar	0.74	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0120	LF	#4, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.27	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0121	LF	#5, Grade 40, Slab On Grade, Steel Reinforcement Bar	1.92	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0122	LF	#6, Grade 40, Slab On Grade, Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0123	LF	#3, Grade 50, Slab On Grade, Steel Reinforcement Bar	0.76	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0124	LF	#4, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.31	
		For Up To 100, Add	*0.97*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0125	LF	#5, Grade 50, Slab On Grade, Steel Reinforcement Bar	1.97	
		For Up To 100, Add	*1.48*	
		For >100 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
03 21 11 00-0126	LF	#6, Grade 50, Slab On Grade, Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.10*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 11 00-0127	LF	#3, Grade 60, Slab On Grade, Steel Reinforcement Bar	0.79	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0128	LF	#4, Grade 60, Slab On Grade, Steel Reinforcement Bar	1.36	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0129	LF	#5, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.06	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0130	LF	#6, Grade 60, Slab On Grade, Steel Reinforcement Bar	2.86	
		For Up To 100, Add	*2.22*	
		For >100 To 200, Add	*1.17*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0131	LF	#7, Grade 60, Slab On Grade, Steel Reinforcement Bar	3.76	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0132	LF	#8, Grade 60, Slab On Grade, Steel Reinforcement Bar	4.74	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.79*	
03 21 11 00-0133	LF	#9, Grade 60, Slab On Grade, Steel Reinforcement Bar	5.88	
		For Up To 100, Add	*3.69*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 11 00-0134	LF	#10, Grade 60, Slab On Grade, Steel Reinforcement Bar	7.25	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*1.97*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0135	LF	#11, Grade 60, Slab On Grade, Steel Reinforcement Bar	8.71	
		For Up To 100, Add	*4.52*	
		For >100 To 200, Add	*2.38*	
		For >200 To 300, Add	*1.19*	
03 21 11 00-0136	LF	#14, Grade 60, Slab On Grade, Steel Reinforcement Bar	12.20	
		For Up To 100, Add	*6.41*	
		For >100 To 200, Add	*3.36*	
		For >200 To 300, Add	*1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0137	LF	#18, Grade 60, Slab On Grade, Steel Reinforcement Bar	21.09	
		For Up To 100, Add	*11.21*	
		For >100 To 200, Add	*5.84*	
		For >200 To 300, Add	*2.92*	
03 21 11 00-0138	LF	#6, Grade 75, Slab On Grade, Steel Reinforcement Bar	2.98	
		For Up To 100, Add	*2.34*	
		For >100 To 200, Add	*1.23*	
		For >200 To 500, Add	*0.49*	
03 21 11 00-0139	LF	#7, Grade 75, Slab On Grade, Steel Reinforcement Bar	3.93	
		For Up To 100, Add	*2.42*	
		For >100 To 200, Add	*1.37*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0140	LF	#8, Grade 75, Slab On Grade, Steel Reinforcement Bar	4.96	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.84*	
03 21 11 00-0141	LF	#9, Grade 75, Slab On Grade, Steel Reinforcement Bar	6.15	
		For Up To 100, Add	*3.89*	
		For >100 To 200, Add	*2.19*	
		For >200 To 400, Add	*1.05*	
03 21 11 00-0142	LF	#10, Grade 75, Slab On Grade, Steel Reinforcement Bar	7.59	
		For Up To 100, Add	*3.92*	
		For >100 To 200, Add	*2.07*	
		For >200 To 300, Add	*1.03*	
03 21 11 00-0143	LF	#11, Grade 75, Slab On Grade, Steel Reinforcement Bar	9.14	
		For Up To 100, Add	*4.78*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.25*	
03 21 11 00-0144	LF	#14, Grade 75, Slab On Grade, Steel Reinforcement Bar	12.81	
		For Up To 100, Add	*6.77*	
		For >100 To 200, Add	*3.54*	
		For >200 To 300, Add	*1.77*	
03 21 11 00-0145	LF	#18, Grade 75, Slab On Grade, Steel Reinforcement Bar	22.17	
		For Up To 100, Add	*11.85*	
		For >100 To 200, Add	*6.17*	
		For >200 To 300, Add	*3.08*	
03 21 11 00-0146	LF	#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	0.81	
		For Up To 100, Add	*0.61*	
		For >100 To 200, Add	*0.32*	
		For >200 To 500, Add	*0.13*	
03 21 11 00-0147	LF	#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	1.40	
		For Up To 100, Add	*1.06*	
		For >100 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0148	LF	#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.12	
		For Up To 100, Add	*1.63*	
		For >100 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.34*	
03 21 11 00-0149	LF	#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	2.95	
		For Up To 100, Add	*2.31*	
		For >100 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0150	LF	#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	3.89	
		For Up To 100, Add	*2.39*	
		For >100 To 200, Add	*1.36*	
		For >200 To 400, Add	*0.65*	
03 21 11 00-0151	LF	#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	4.90	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 11 00-0152	LF	#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	6.08	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.16*	
		For >200 To 400, Add	*1.04*	
03 21 11 00-0153	LF	#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	7.50	
		For Up To 100, Add	*3.87*	
		For >100 To 200, Add	*2.04*	
		For >200 To 300, Add	*1.02*	
03 21 11 00-0154	LF	#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	9.03	
		For Up To 100, Add	*4.71*	
		For >100 To 200, Add	*2.47*	
		For >200 To 300, Add	*1.24*	
03 21 11 00-0155	LF	#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	12.65	
		For Up To 100, Add	*6.68*	
		For >100 To 200, Add	*3.49*	
		For >200 To 300, Add	*1.75*	
03 21 11 00-0156	LF	#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar	21.90	
		For Up To 100, Add	*11.69*	
		For >100 To 200, Add	*6.09*	
		For >200 To 300, Add	*3.04*	

03 21 11 00-0157 Elevated Slabs, Steel Reinforcement Bar *(03 21 11)*
Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0158	LF	#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.52*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0159	LF	#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*0.91*	
		For >100 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0160	LF	#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 11 00-0161	LF	#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar	2.53	
		For Up To 100, Add	*1.97*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0162	LF	#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar	0.72	
		For Up To 100, Add	*0.54*	
		For >100 To 200, Add	*0.29*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.24	
		For Up To 100, Add	*0.95*	
		For >100 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	1.87	
		For Up To 100, Add	*1.44*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.57*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*1.00*	
		For >100 To 200, Add	*0.52*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.53*	
		For >100 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	2.73	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	3.60	
		For Up To 100, Add	*2.24*	
		For >100 To 200, Add	*1.27*	
		For >200 To 400, Add	*0.60*	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	4.54	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.61*	
		For >200 To 400, Add	*0.77*	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	5.66	
		For Up To 100, Add	*3.61*	
		For >100 To 200, Add	*2.03*	
		For >200 To 400, Add	*0.97*	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	6.99	
		For Up To 100, Add	*3.64*	
		For >100 To 200, Add	*1.91*	
		For >200 To 300, Add	*0.96*	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	8.41	
		For Up To 100, Add	*4.43*	
		For >100 To 200, Add	*2.32*	
		For >200 To 300, Add	*1.16*	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	11.82	
		For Up To 100, Add	*6.29*	
		For >100 To 200, Add	*3.28*	
		For >200 To 300, Add	*1.64*	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	20.49	
		For Up To 100, Add	*11.03*	
		For >100 To 200, Add	*5.72*	
		For >200 To 300, Add	*2.86*	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.29*	
		For >100 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.48*	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	3.77	
		For Up To 100, Add	*2.36*	
		For >100 To 200, Add	*1.33*	
		For >200 To 400, Add	*0.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.70*	
		For >200 To 400, Add	*0.82*	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	5.93	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.03*	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	7.33	
		For Up To 100, Add	*3.85*	
		For >100 To 200, Add	*2.02*	
		For >200 To 300, Add	*1.01*	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	8.84	
		For Up To 100, Add	*4.69*	
		For >100 To 200, Add	*2.45*	
		For >200 To 300, Add	*1.22*	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	12.43	
		For Up To 100, Add	*6.66*	
		For >100 To 200, Add	*3.46*	
		For >200 To 300, Add	*1.73*	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	21.57	
		For Up To 100, Add	*11.67*	
		For >100 To 200, Add	*6.05*	
		For >200 To 300, Add	*3.02*	
03 21 11 00-0185	LF	#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	0.77	
		For Up To 100, Add	*0.59*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0186	LF	#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	1.33	
		For Up To 100, Add	*1.04*	
		For >100 To 200, Add	*0.54*	
		For >200 To 500, Add	*0.22*	
03 21 11 00-0187	LF	#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.02	
		For Up To 100, Add	*1.59*	
		For >100 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0188	LF	#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0189	LF	#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	3.73	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.32*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0190	LF	#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	4.70	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0191	LF	#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	5.86	
		For Up To 100, Add	*3.76*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.01*	
03 21 11 00-0192	LF	#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	7.24	
		For Up To 100, Add	*3.79*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*0.99*	
03 21 11 00-0193	LF	#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	8.73	
		For Up To 100, Add	*4.62*	
		For >100 To 200, Add	*2.41*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0194	LF	#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	12.27	
		For Up To 100, Add	*6.56*	
		For >100 To 200, Add	*3.41*	
		For >200 To 300, Add	*1.71*	
03 21 11 00-0195	LF	#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar	21.30	
		For Up To 100, Add	*11.51*	
		For >100 To 200, Add	*5.97*	
		For >200 To 300, Add	*2.98*	

03 21 11 00-0196 Walls, Steel Reinforcement Bar *(03 21 11)*

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0197	LF	#3, Grade 40, Walls, Steel Reinforcement Bar	0.68	
		For Up To 100, Add	*0.51*	
		For >100 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0198	LF	#4, Grade 40, Walls, Steel Reinforcement Bar	1.16	
		For Up To 100, Add	*0.89*	
		For >100 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.19*	
03 21 11 00-0199	LF	#5, Grade 40, Walls, Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.37*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0200	LF	#6, Grade 40, Walls, Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 11 00-0201	LF	#3, Grade 50, Walls, Steel Reinforcement Bar	0.70	
		For Up To 100, Add	*0.53*	
		For >100 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.11*	
03 21 11 00-0202	LF	#4, Grade 50, Walls, Steel Reinforcement Bar	1.20	
		For Up To 100, Add	*0.93*	
		For >100 To 200, Add	*0.49*	
		For >200 To 500, Add	*0.20*	
03 21 11 00-0203	LF	#5, Grade 50, Walls, Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.30*	
03 21 11 00-0204	LF	#6, Grade 50, Walls, Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 11 00-0205	LF	#3, Grade 60, Walls, Steel Reinforcement Bar	0.73	
		For Up To 100, Add	*0.56*	
		For >100 To 200, Add	*0.30*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0206	LF	#4, Grade 60, Walls, Steel Reinforcement Bar	1.25	
		For Up To 100, Add	*0.98*	
		For >100 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0207	LF	#5, Grade 60, Walls, Steel Reinforcement Bar	1.90	
		For Up To 100, Add	*1.51*	
		For >100 To 200, Add	*0.79*	
		For >200 To 500, Add	*0.32*	
03 21 11 00-0208	LF	#6, Grade 60, Walls, Steel Reinforcement Bar	2.66	
		For Up To 100, Add	*2.14*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 11 00-0209	LF	#7, Grade 60, Walls, Steel Reinforcement Bar	3.50	
		For Up To 100, Add	*2.20*	
		For >100 To 200, Add	*1.24*	
		For >200 To 400, Add	*0.59*	
03 21 11 00-0210	LF	#8, Grade 60, Walls, Steel Reinforcement Bar	4.45	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.59*	
		For >200 To 400, Add	*0.76*	
03 21 11 00-0211	LF	#9, Grade 60, Walls, Steel Reinforcement Bar	5.55	
		For Up To 100, Add	*3.57*	
		For >100 To 200, Add	*2.00*	
		For >200 To 400, Add	*0.96*	
03 21 11 00-0212	LF	#10, Grade 60, Walls, Steel Reinforcement Bar	6.86	
		For Up To 100, Add	*3.60*	
		For >100 To 200, Add	*1.89*	
		For >200 To 300, Add	*0.94*	
03 21 11 00-0213	LF	#11, Grade 60, Walls, Steel Reinforcement Bar	8.27	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.29*	
		For >200 To 300, Add	*1.14*	
03 21 11 00-0214	LF	#14, Grade 60, Walls, Steel Reinforcement Bar	11.63	
		For Up To 100, Add	*6.23*	
		For >100 To 200, Add	*3.24*	
		For >200 To 300, Add	*1.62*	
03 21 11 00-0215	LF	#18, Grade 60, Walls, Steel Reinforcement Bar	20.19	
		For Up To 100, Add	*10.94*	
		For >100 To 200, Add	*5.66*	
		For >200 To 300, Add	*2.83*	
03 21 11 00-0216	LF	#6, Grade 75, Walls, Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.26*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 11 00-0217	LF	#7, Grade 75, Walls, Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*2.33*	
		For >100 To 200, Add	*1.31*	
		For >200 To 400, Add	*0.63*	
03 21 11 00-0218	LF	#8, Grade 75, Walls, Steel Reinforcement Bar	4.67	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.68*	
		For >200 To 400, Add	*0.81*	
03 21 11 00-0219	LF	#9, Grade 75, Walls, Steel Reinforcement Bar	5.82	
		For Up To 100, Add	*3.77*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.02*	
03 21 11 00-0220	LF	#10, Grade 75, Walls, Steel Reinforcement Bar	7.20	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*1.99*	
		For >200 To 300, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0221	LF	#11, Grade 75, Walls, Steel Reinforcement Bar	8.70	
		For Up To 100, Add	*4.64*	
		For >100 To 200, Add	*2.42*	
		For >200 To 300, Add	*1.21*	
03 21 11 00-0222	LF	#14, Grade 75, Walls, Steel Reinforcement Bar	12.24	
		For Up To 100, Add	*6.60*	
		For >100 To 200, Add	*3.42*	
		For >200 To 300, Add	*1.71*	
03 21 11 00-0223	LF	#18, Grade 75, Walls, Steel Reinforcement Bar	21.27	
		For Up To 100, Add	*11.58*	
		For >100 To 200, Add	*5.99*	
		For >200 To 300, Add	*2.99*	
03 21 11 00-0224	LF	#3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.75	
		For Up To 100, Add	*0.58*	
		For >100 To 200, Add	*0.31*	
		For >200 To 500, Add	*0.12*	
03 21 11 00-0225	LF	#4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.29	
		For Up To 100, Add	*1.02*	
		For >100 To 200, Add	*0.53*	
		For >200 To 500, Add	*0.21*	
03 21 11 00-0226	LF	#5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.96	
		For Up To 100, Add	*1.57*	
		For >100 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.33*	
03 21 11 00-0227	LF	#6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.75	
		For Up To 100, Add	*2.23*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 11 00-0228	LF	#7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.30*	
		For >100 To 200, Add	*1.29*	
		For >200 To 400, Add	*0.62*	
03 21 11 00-0229	LF	#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.61	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.66*	
		For >200 To 400, Add	*0.80*	
03 21 11 00-0230	LF	#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*3.72*	
		For >100 To 200, Add	*2.08*	
		For >200 To 400, Add	*1.00*	
03 21 11 00-0231	LF	#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	7.11	
		For Up To 100, Add	*3.75*	
		For >100 To 200, Add	*1.96*	
		For >200 To 300, Add	*0.98*	
03 21 11 00-0232	LF	#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	8.59	
		For Up To 100, Add	*4.58*	
		For >100 To 200, Add	*2.39*	
		For >200 To 300, Add	*1.19*	
03 21 11 00-0233	LF	#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	12.08	
		For Up To 100, Add	*6.50*	
		For >100 To 200, Add	*3.38*	
		For >200 To 300, Add	*1.69*	
03 21 11 00-0234	LF	#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	21.00	
		For Up To 100, Add	*11.42*	
		For >100 To 200, Add	*5.91*	
		For >200 To 300, Add	*2.95*	

03 21 11 00-0235 Mechanical Joint Connection *(03 21 11)*

03 21 11 00-0236 Thermal Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0237	EA	Thermal Type Mechanical Joint Connection, Add Per Splice	293.79

03 21 11 00-0238 Screwed Type Mechanical Joint Connection *(03 21 11 00-0235)*

03 21 11 00-0239	EA	Screwed Type Mechanical Joint Connection, Add Per Splice	159.01

03 21 11 00-0240 Deformed Straight Dowels *(03 21 11)*

Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.

03 21 11 00-0241	EA	3/8" Diameter x 24" Long, Deformed Straight Dowel	3.61	
		For Up To 12" Length, Deduct	*-0.51*	
		For >12" To <24" Length, Deduct	*-0.26*	
03 21 11 00-0242	EA	1/2" Diameter x 24" Long, Deformed Straight Dowel	4.35	
		For Up To 12" Length, Deduct	*-0.67*	
		For >12" To <24" Length, Deduct	*-0.34*	
03 21 11 00-0243	EA	5/8" Diameter x 24" Long, Deformed Straight Dowel	5.46	
		For Up To 12" Length, Deduct	*-1.06*	
		For >12" To <24" Length, Deduct	*-0.53*	
03 21 11 00-0244	EA	3/4" Diameter x 24" Long, Deformed Straight Dowel	6.79	
		For Up To 12" Length, Deduct	*-1.53*	
		For >12" To <24" Length, Deduct	*-0.76*	
03 21 11 00-0245	EA	7/8" Diameter x 24" Long, Deformed Straight Dowel	8.21	
		For Up To 12" Length, Deduct	*-2.13*	
		For >12" To <24" Length, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0246	EA	1" Diameter x 24" Long, Deformed Straight Dowel	10.38	
		For Up To 12" Length, Deduct	*-2.73*	
		For >12" To <24" Length, Deduct	*-1.36*	
03 21 11 00-0247	EA	1-1/8" Diameter x 24" Long, Deformed Straight Dowel	12.32	
		For Up To 12" Length, Deduct	*-3.36*	
		For >12" To <24" Length, Deduct	*-1.68*	
03 21 11 00-0248	EA	1-1/4" Diameter x 24" Long, Deformed Straight Dowel	15.26	
		For Up To 12" Length, Deduct	*-4.40*	
		For >12" To <24" Length, Deduct	*-2.20*	
03 21 11 00-0249	EA	1-3/8" Diameter x 24" Long, Deformed Straight Dowel	18.24	
		For Up To 12" Length, Deduct	*-5.43*	
		For >12" To <24" Length, Deduct	*-2.71*	

03 21 11 00-0250 Spirals, Reinforcing Steel *(03 21 11)*

03 21 11 00-0251	TON	Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel	3,708.82	
		For Grade 75, Add	*141.73*	
03 21 11 00-0252	TON	>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel	3,665.16	
		For Grade 75, Add	*141.73*	
03 21 11 00-0253	TON	>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel	3,631.87	
		For Grade 75, Add	*141.73*	
03 21 11 00-0254	TON	>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel	3,577.40	
		For Grade 75, Add	*141.73*	
03 21 11 00-0255	TON	>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel	3,503.76	
		For Grade 75, Add	*141.73*	
03 21 11 00-0256	TON	>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel	3,477.40	
		For Grade 75, Add	*145.22*	
03 21 11 00-0257	TON	>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel	3,415.75	
		For Grade 75, Add	*145.22*	

03 21 11 00-0258 Dowel Or Hairpin, Drilled And Epoxy Into Concrete *(03 21 11)*

03 21 11 00-0259	EA	Dowels Or Hairpin, 1/2" x 30" Length, Drilled And Epoxy In Concrete, 6" Embedment	31.78
03 21 11 00-0260	EA	Dowels Or Hairpin, 1/2" x 36" Length, Drilled And Epoxy In Concrete, >6" To 12" Embedment	33.20

03 21 11 00-0261 Accessories For Reinforcing Steel *(03 21 11)*

03 21 11 00-0262 Reinforcing Steel Lap-Weld Splice *(03 21 11 00-0261)*

03 21 11 00-0263	EA	Up To #6 Reinforcing Steel Lap-Weld Splice	72.19
03 21 11 00-0264	EA	>#6 Reinforcing Steel Lap-Weld Splice	116.85

03 21 11 00-0265 Reinforcing Steel Sleeve And Wedge Splice Joint *(03 21 11 00-0261)*

03 21 11 00-0266	EA	Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint	38.72
03 21 11 00-0267	EA	#5 Reinforcing Steel, Sleeve And Wedge Splice Joint	62.01
03 21 11 00-0268	EA	#6 Reinforcing Steel, Sleeve And Wedge Splice Joint	95.60

03 21 13 Galvanized Reinforcement Steel Bars *(03 21)*

03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0002	LF	#3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0003	LF	#4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	1.77	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0004	LF	#5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	2.69	
		For Up To 100, Add	*2.08*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0005	LF	#6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0006	LF	#3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.05	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0007	LF	#4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	1.81	
		For Up To 100, Add	*1.39*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0008	LF	#5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	2.74	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0009	LF	#6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar	3.83	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0010	LF	#3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.82*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0011	LF	#4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	1.86	
		For Up To 100, Add	*1.44*	
		For >100 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0012	LF	#5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	2.82	
		For Up To 100, Add	*2.21*	
		For >100 To 200, Add	*1.16*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0013	LF	#6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	3.95	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.64*	
		For >200 To 500, Add	*0.66*	
03 21 13 00-0014	LF	#7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	5.20	
		For Up To 100, Add	*3.24*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0015	LF	#8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	6.58	
		For Up To 100, Add	*4.16*	
		For >100 To 200, Add	*2.34*	
		For >200 To 400, Add	*1.12*	
03 21 13 00-0016	LF	#9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	8.18	
		For Up To 100, Add	*5.23*	
		For >100 To 200, Add	*2.93*	
		For >200 To 400, Add	*1.41*	
03 21 13 00-0017	LF	#10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	10.12	
		For Up To 100, Add	*5.28*	
		For >100 To 200, Add	*2.77*	
		For >200 To 300, Add	*1.39*	
03 21 13 00-0018	LF	#11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	12.19	
		For Up To 100, Add	*6.43*	
		For >100 To 200, Add	*3.36*	
		For >200 To 300, Add	*1.68*	
03 21 13 00-0019	LF	#14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	17.13	
		For Up To 100, Add	*9.13*	
		For >100 To 200, Add	*4.76*	
		For >200 To 300, Add	*2.38*	
03 21 13 00-0020	LF	#18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar	29.70	
		For Up To 100, Add	*16.01*	
		For >100 To 200, Add	*8.31*	
		For >200 To 300, Add	*4.15*	
03 21 13 00-0021	LF	#6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	4.07	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.70*	
		For >200 To 500, Add	*0.68*	
03 21 13 00-0022	LF	#7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	5.36	
		For Up To 100, Add	*3.36*	
		For >100 To 200, Add	*1.90*	
		For >200 To 400, Add	*0.91*	
03 21 13 00-0023	LF	#8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	6.79	
		For Up To 100, Add	*4.32*	
		For >100 To 200, Add	*2.43*	
		For >200 To 400, Add	*1.17*	
03 21 13 00-0024	LF	#9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	8.45	
		For Up To 100, Add	*5.43*	
		For >100 To 200, Add	*3.04*	
		For >200 To 400, Add	*1.46*	
03 21 13 00-0025	LF	#10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	10.46	
		For Up To 100, Add	*5.49*	
		For >100 To 200, Add	*2.88*	
		For >200 To 300, Add	*1.44*	
03 21 13 00-0026	LF	#11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	12.62	
		For Up To 100, Add	*6.69*	
		For >100 To 200, Add	*3.49*	
		For >200 To 300, Add	*1.75*	
03 21 13 00-0027	LF	#14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	17.74	
		For Up To 100, Add	*9.50*	
		For >100 To 200, Add	*4.94*	
		For >200 To 300, Add	*2.47*	
03 21 13 00-0028	LF	#18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar	30.78	
		For Up To 100, Add	*16.66*	
		For >100 To 200, Add	*8.63*	
		For >200 To 300, Add	*4.32*	

03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar *(03 21 13)*
Note: ASTM A-767 Hot Dipped Galvanized Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0030	LF	#3, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0031	LF	#4, Grade 40, Columns, Galvanized Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0032	LF	#5, Grade 40, Columns, Galvanized Steel Reinforcement Bar	2.78	
		For Up To 100, Add	*2.12*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0033	LF	#6, Grade 40, Columns, Galvanized Steel Reinforcement Bar	3.88	
		For Up To 100, Add	*3.00*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0034	LF	#3, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.08	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0035	LF	#4, Grade 50, Columns, Galvanized Steel Reinforcement Bar	1.88	
		For Up To 100, Add	*1.42*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 13 00-0036	LF	#5, Grade 50, Columns, Galvanized Steel Reinforcement Bar	2.83	
		For Up To 100, Add	*2.17*	
		For >100 To 200, Add	*1.14*	
		For >200 To 500, Add	*0.46*	
03 21 13 00-0037	LF	#6, Grade 50, Columns, Galvanized Steel Reinforcement Bar	3.96	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0038	LF	#3, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.11	
		For Up To 100, Add	*0.83*	
		For >100 To 200, Add	*0.44*	
		For >200 To 500, Add	*0.18*	
03 21 13 00-0039	LF	#4, Grade 60, Columns, Galvanized Steel Reinforcement Bar	1.93	
		For Up To 100, Add	*1.47*	
		For >100 To 200, Add	*0.77*	
		For >200 To 500, Add	*0.31*	
03 21 13 00-0040	LF	#5, Grade 60, Columns, Galvanized Steel Reinforcement Bar	2.91	
		For Up To 100, Add	*2.25*	
		For >100 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.47*	
03 21 13 00-0041	LF	#6, Grade 60, Columns, Galvanized Steel Reinforcement Bar	4.08	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.67*	
		For >200 To 500, Add	*0.67*	
03 21 13 00-0042	LF	#7, Grade 60, Columns, Galvanized Steel Reinforcement Bar	5.37	
		For Up To 100, Add	*3.30*	
		For >100 To 200, Add	*1.88*	
		For >200 To 400, Add	*0.89*	
03 21 13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar	6.77	
		For Up To 100, Add	*4.23*	
		For >100 To 200, Add	*2.39*	
		For >200 To 400, Add	*1.14*	
03 21 13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar	8.40	
		For Up To 100, Add	*5.31*	
		For >100 To 200, Add	*2.99*	
		For >200 To 400, Add	*1.43*	
03 21 13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar	10.37	
		For Up To 100, Add	*5.36*	
		For >100 To 200, Add	*2.82*	
		For >200 To 300, Add	*1.41*	
03 21 13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar	12.48	
		For Up To 100, Add	*6.52*	
		For >100 To 200, Add	*3.42*	
		For >200 To 300, Add	*1.71*	
03 21 13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar	17.52	
		For Up To 100, Add	*9.25*	
		For >100 To 200, Add	*4.84*	
		For >200 To 300, Add	*2.42*	
03 21 13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar	30.30	
		For Up To 100, Add	*16.19*	
		For >100 To 200, Add	*8.43*	
		For >200 To 300, Add	*4.21*	
03 21 13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar	4.20	
		For Up To 100, Add	*3.32*	
		For >100 To 200, Add	*1.73*	
		For >200 To 500, Add	*0.69*	
03 21 13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar	5.53	
		For Up To 100, Add	*3.42*	
		For >100 To 200, Add	*1.94*	
		For >200 To 400, Add	*0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar	6.98	
		For Up To 100, Add	*4.39*	
		For >100 To 200, Add	*2.47*	
		For >200 To 400, Add	*1.18*	
03 21 13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar	8.67	
		For Up To 100, Add	*5.51*	
		For >100 To 200, Add	*3.10*	
		For >200 To 400, Add	*1.49*	
03 21 13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar	10.71	
		For Up To 100, Add	*5.56*	
		For >100 To 200, Add	*2.93*	
		For >200 To 300, Add	*1.46*	
03 21 13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar	12.91	
		For Up To 100, Add	*6.77*	
		For >100 To 200, Add	*3.55*	
		For >200 To 300, Add	*1.77*	
03 21 13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar	18.13	
		For Up To 100, Add	*9.62*	
		For >100 To 200, Add	*5.02*	
		For >200 To 300, Add	*2.51*	
03 21 13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar	31.38	
		For Up To 100, Add	*16.84*	
		For >100 To 200, Add	*8.75*	
		For >200 To 300, Add	*4.38*	

03 21 13 00-0057 Footings, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.02*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*2.87*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar	0.98	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar	1.71	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar	2.59	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	3.63	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	1.76	
		For Up To 100, Add	*1.40*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	2.67	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.45*	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	3.75	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	4.96	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.85*	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	6.29	
		For Up To 100, Add	*4.06*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	7.84	
		For Up To 100, Add	*5.11*	
		For >100 To 200, Add	*2.85*	
		For >200 To 400, Add	*1.38*	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	9.72	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	11.75	
		For Up To 100, Add	*6.30*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.64*	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	16.56	
		For Up To 100, Add	*8.96*	
		For >100 To 200, Add	*4.64*	
		For >200 To 300, Add	*2.32*	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	28.78	
		For Up To 100, Add	*15.73*	
		For >100 To 200, Add	*8.12*	
		For >200 To 300, Add	*4.06*	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	3.87	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.65*	
		For >200 To 500, Add	*0.66*	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	5.12	
		For Up To 100, Add	*3.28*	
		For >100 To 200, Add	*1.84*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	6.50	
		For Up To 100, Add	*4.22*	
		For >100 To 200, Add	*2.35*	
		For >200 To 400, Add	*1.14*	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	8.11	
		For Up To 100, Add	*5.31*	
		For >100 To 200, Add	*2.96*	
		For >200 To 400, Add	*1.43*	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	10.06	
		For Up To 100, Add	*5.37*	
		For >100 To 200, Add	*2.80*	
		For >200 To 300, Add	*1.40*	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	12.18	
		For Up To 100, Add	*6.56*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	17.17	
		For Up To 100, Add	*9.33*	
		For >100 To 200, Add	*4.83*	
		For >200 To 300, Add	*2.41*	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	29.86	
		For Up To 100, Add	*16.38*	
		For >100 To 200, Add	*8.45*	
		For >200 To 300, Add	*4.22*	

03 21 13 00-0085 Slab On Grade, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0087	LF	#4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0088	LF	#5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.49	
		For Up To 100, Add	*2.00*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0089	LF	#6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.47	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0090	LF	#3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0091	LF	#4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.67	
		For Up To 100, Add	*1.33*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0092	LF	#5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.54	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0093	LF	#6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	3.55	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.51*	
		For >200 To 500, Add	*0.60*	
03 21 13 00-0094	LF	#3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.79*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0095	LF	#4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.72	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.29*	
03 21 13 00-0096	LF	#5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*2.13*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 13 00-0097	LF	#6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	3.67	
		For Up To 100, Add	*3.03*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0098	LF	#7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.88	
		For Up To 100, Add	*3.13*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.84*	
03 21 13 00-0099	LF	#8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.20	
		For Up To 100, Add	*4.03*	
		For >100 To 200, Add	*2.25*	
		For >200 To 400, Add	*1.09*	
03 21 13 00-0100	LF	#9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	7.73	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.82*	
		For >200 To 400, Add	*1.37*	
03 21 13 00-0101	LF	#10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	9.59	
		For Up To 100, Add	*5.12*	
		For >100 To 200, Add	*2.67*	
		For >200 To 300, Add	*1.33*	
03 21 13 00-0102	LF	#11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	11.60	
		For Up To 100, Add	*6.25*	
		For >100 To 200, Add	*3.24*	
		For >200 To 300, Add	*1.62*	
03 21 13 00-0103	LF	#14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	16.36	
		For Up To 100, Add	*8.90*	
		For >100 To 200, Add	*4.60*	
		For >200 To 300, Add	*2.30*	
03 21 13 00-0104	LF	#18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	28.49	
		For Up To 100, Add	*15.65*	
		For >100 To 200, Add	*8.06*	
		For >200 To 300, Add	*4.03*	
03 21 13 00-0105	LF	#6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.65*	
03 21 13 00-0106	LF	#7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.04	
		For Up To 100, Add	*3.25*	
		For >100 To 200, Add	*1.82*	
		For >200 To 400, Add	*0.88*	
03 21 13 00-0107	LF	#8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.41	
		For Up To 100, Add	*4.19*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.13*	
03 21 13 00-0108	LF	#9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.00	
		For Up To 100, Add	*5.28*	
		For >100 To 200, Add	*2.93*	
		For >200 To 400, Add	*1.42*	
03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	9.93	
		For Up To 100, Add	*5.33*	
		For >100 To 200, Add	*2.77*	
		For >200 To 300, Add	*1.38*	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	12.03	
		For Up To 100, Add	*6.51*	
		For >100 To 200, Add	*3.37*	
		For >200 To 300, Add	*1.69*	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	16.97	
		For Up To 100, Add	*9.27*	
		For >100 To 200, Add	*4.79*	
		For >200 To 300, Add	*2.39*	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	29.57	
		For Up To 100, Add	*16.29*	
		For >100 To 200, Add	*8.39*	
		For >200 To 300, Add	*4.19*	

03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar *(03 21 13)*
Note: ASTM A-767 Hot Dipped Galvanized Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.39	
		For Up To 100, Add	*1.96*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.34	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.44*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.60	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.44	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.42	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	0.95	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	1.65	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	2.52	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.54	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.62*	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.72	
		For Up To 100, Add	*3.08*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.83*	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.00	
		For Up To 100, Add	*3.96*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.07*	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.51	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.77*	
		For >200 To 400, Add	*1.34*	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.33	
		For Up To 100, Add	*5.05*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.30	
		For Up To 100, Add	*6.16*	
		For >100 To 200, Add	*3.18*	
		For >200 To 300, Add	*1.59*	
03 21 13 00-0131	LF	#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	15.98	
		For Up To 100, Add	*8.79*	
		For >100 To 200, Add	*4.53*	
		For >200 To 300, Add	*2.26*	
03 21 13 00-0132	LF	#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar	27.89	
		For Up To 100, Add	*15.47*	
		For >100 To 200, Add	*7.94*	
		For >200 To 300, Add	*3.97*	
03 21 13 00-0133	LF	#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 13 00-0134	LF	#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	4.88	
		For Up To 100, Add	*3.20*	
		For >100 To 200, Add	*1.78*	
		For >200 To 400, Add	*0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0135	LF	#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	6.21	
		For Up To 100, Add	*4.12*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.11*	
03 21 13 00-0136	LF	#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	7.78	
		For Up To 100, Add	*5.20*	
		For >100 To 200, Add	*2.87*	
		For >200 To 400, Add	*1.40*	
03 21 13 00-0137	LF	#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	9.67	
		For Up To 100, Add	*5.25*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 13 00-0138	LF	#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	11.73	
		For Up To 100, Add	*6.42*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.66*	
03 21 13 00-0139	LF	#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	16.59	
		For Up To 100, Add	*9.15*	
		For >100 To 200, Add	*4.71*	
		For >200 To 300, Add	*2.36*	
03 21 13 00-0140	LF	#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar	28.97	
		For Up To 100, Add	*16.11*	
		For >100 To 200, Add	*8.27*	
		For >200 To 300, Add	*4.13*	

03 21 13 00-0141 Walls, Galvanized Steel Reinforcement Bar *(03 21 13)*

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0142	LF	#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0143	LF	#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 13 00-0144	LF	#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar	2.33	
		For Up To 100, Add	*1.94*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 13 00-0145	LF	#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar	3.27	
		For Up To 100, Add	*2.75*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 13 00-0146	LF	#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.73*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 13 00-0147	LF	#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 13 00-0148	LF	#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar	2.38	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.41*	
03 21 13 00-0149	LF	#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar	3.35	
		For Up To 100, Add	*2.83*	
		For >100 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.58*	
03 21 13 00-0150	LF	#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 13 00-0151	LF	#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 13 00-0152	LF	#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.43*	
03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar	3.47	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.52*	
		For >200 To 500, Add	*0.61*	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar	4.62	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.69*	
		For >200 To 400, Add	*0.82*	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar	5.91	
		For Up To 100, Add	*3.93*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar	7.40	
		For Up To 100, Add	*4.96*	
		For >100 To 200, Add	*2.74*	
		For >200 To 400, Add	*1.33*	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar	9.20	
		For Up To 100, Add	*5.01*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.29*	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar	11.16	
		For Up To 100, Add	*6.12*	
		For >100 To 200, Add	*3.16*	
		For >200 To 300, Add	*1.58*	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar	15.79	
		For Up To 100, Add	*8.73*	
		For >100 To 200, Add	*4.49*	
		For >200 To 300, Add	*2.24*	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar	27.59	
		For Up To 100, Add	*15.38*	
		For >100 To 200, Add	*7.88*	
		For >200 To 300, Add	*3.94*	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar	3.59	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.58*	
		For >200 To 500, Add	*0.63*	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar	4.78	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.75*	
		For >200 To 400, Add	*0.85*	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar	6.12	
		For Up To 100, Add	*4.09*	
		For >100 To 200, Add	*2.26*	
		For >200 To 400, Add	*1.10*	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar	7.67	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.85*	
		For >200 To 400, Add	*1.39*	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar	9.54	
		For Up To 100, Add	*5.21*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.35*	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar	11.59	
		For Up To 100, Add	*6.38*	
		For >100 To 200, Add	*3.29*	
		For >200 To 300, Add	*1.64*	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar	16.40	
		For Up To 100, Add	*9.10*	
		For >100 To 200, Add	*4.67*	
		For >200 To 300, Add	*2.34*	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar	28.67	
		For Up To 100, Add	*16.02*	
		For >100 To 200, Add	*8.21*	
		For >200 To 300, Add	*4.10*	

03 21 16 Epoxy-Coated Reinforcement Steel Bars *(03 21)*

03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.01	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.73	
		For Up To 100, Add	*1.31*	
		For >100 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.62	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.06*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.03	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.77	
		For Up To 100, Add	*1.35*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.68	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.74	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.80*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	1.82	
		For Up To 100, Add	*1.40*	
		For >100 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	2.76	
		For Up To 100, Add	*2.15*	
		For >100 To 200, Add	*1.13*	
		For >200 To 500, Add	*0.45*	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.86	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.60*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.08	
		For Up To 100, Add	*3.15*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.85*	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.42	
		For Up To 100, Add	*4.04*	
		For >100 To 200, Add	*2.28*	
		For >200 To 400, Add	*1.09*	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	7.97	
		For Up To 100, Add	*5.07*	
		For >100 To 200, Add	*2.85*	
		For >200 To 400, Add	*1.37*	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	9.86	
		For Up To 100, Add	*5.13*	
		For >100 To 200, Add	*2.70*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	11.88	
		For Up To 100, Add	*6.24*	
		For >100 To 200, Add	*3.27*	
		For >200 To 300, Add	*1.63*	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	16.68	
		For Up To 100, Add	*8.86*	
		For >100 To 200, Add	*4.62*	
		For >200 To 300, Add	*2.31*	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	28.90	
		For Up To 100, Add	*15.53*	
		For >100 To 200, Add	*8.07*	
		For >200 To 300, Add	*4.03*	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	3.98	
		For Up To 100, Add	*3.18*	
		For >100 To 200, Add	*1.66*	
		For >200 To 500, Add	*0.66*	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	5.24	
		For Up To 100, Add	*3.27*	
		For >100 To 200, Add	*1.85*	
		For >200 To 400, Add	*0.88*	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	6.63	
		For Up To 100, Add	*4.20*	
		For >100 To 200, Add	*2.36*	
		For >200 To 400, Add	*1.13*	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	8.24	
		For Up To 100, Add	*5.28*	
		For >100 To 200, Add	*2.96*	
		For >200 To 400, Add	*1.42*	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	10.20	
		For Up To 100, Add	*5.33*	
		For >100 To 200, Add	*2.80*	
		For >200 To 300, Add	*1.40*	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	12.30	
		For Up To 100, Add	*6.50*	
		For >100 To 200, Add	*3.40*	
		For >200 To 300, Add	*1.70*	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	17.28	
		For Up To 100, Add	*9.22*	
		For >100 To 200, Add	*4.80*	
		For >200 To 300, Add	*2.40*	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	29.98	
		For Up To 100, Add	*16.18*	
		For >100 To 200, Add	*8.39*	
		For >200 To 300, Add	*4.20*	

03 21 16 00-0029 Columns, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*
Note: ASTM A-775 Epoxy Coated Steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0030	LF	#3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.04	
		For Up To 100, Add	*0.76*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0031	LF	#4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	1.80	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0032	LF	#5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	2.71	
		For Up To 100, Add	*2.05*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0033	LF	#6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar	3.79	
		For Up To 100, Add	*2.91*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0034	LF	#3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.06	
		For Up To 100, Add	*0.78*	
		For >100 To 200, Add	*0.42*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0035	LF	#4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	1.84	
		For Up To 100, Add	*1.38*	
		For >100 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
03 21 16 00-0036	LF	#5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	2.77	
		For Up To 100, Add	*2.11*	
		For >100 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0037	LF	#6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar	3.87	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.57*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0038	LF	#3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.09	
		For Up To 100, Add	*0.81*	
		For >100 To 200, Add	*0.43*	
		For >200 To 500, Add	*0.17*	
03 21 16 00-0039	LF	#4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	1.89	
		For Up To 100, Add	*1.43*	
		For >100 To 200, Add	*0.75*	
		For >200 To 500, Add	*0.30*	
03 21 16 00-0040	LF	#5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	2.85	
		For Up To 100, Add	*2.19*	
		For >100 To 200, Add	*1.15*	
		For >200 To 500, Add	*0.46*	
03 21 16 00-0041	LF	#6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	3.99	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.63*	
		For >200 To 500, Add	*0.65*	
03 21 16 00-0042	LF	#7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	5.25	
		For Up To 100, Add	*3.21*	
		For >100 To 200, Add	*1.83*	
		For >200 To 400, Add	*0.87*	
03 21 16 00-0043	LF	#8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	6.61	
		For Up To 100, Add	*4.11*	
		For >100 To 200, Add	*2.33*	
		For >200 To 400, Add	*1.11*	
03 21 16 00-0044	LF	#9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	8.19	
		For Up To 100, Add	*5.15*	
		For >100 To 200, Add	*2.90*	
		For >200 To 400, Add	*1.39*	
03 21 16 00-0045	LF	#10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	10.11	
		For Up To 100, Add	*5.20*	
		For >100 To 200, Add	*2.75*	
		For >200 To 300, Add	*1.37*	
03 21 16 00-0046	LF	#11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	12.17	
		For Up To 100, Add	*6.33*	
		For >100 To 200, Add	*3.33*	
		For >200 To 300, Add	*1.66*	
03 21 16 00-0047	LF	#14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	17.07	
		For Up To 100, Add	*8.98*	
		For >100 To 200, Add	*4.70*	
		For >200 To 300, Add	*2.35*	
03 21 16 00-0048	LF	#18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar	29.50	
		For Up To 100, Add	*15.71*	
		For >100 To 200, Add	*8.19*	
		For >200 To 300, Add	*4.09*	
03 21 16 00-0049	LF	#6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	4.11	
		For Up To 100, Add	*3.23*	
		For >100 To 200, Add	*1.69*	
		For >200 To 500, Add	*0.68*	
03 21 16 00-0050	LF	#7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	5.41	
		For Up To 100, Add	*3.33*	
		For >100 To 200, Add	*1.89*	
		For >200 To 400, Add	*0.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0051	LF	#8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	6.82	
		For Up To 100, Add	*4.27*	
		For >100 To 200, Add	*2.41*	
		For >200 To 400, Add	*1.15*	
03 21 16 00-0052	LF	#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	8.46	
		For Up To 100, Add	*5.35*	
		For >100 To 200, Add	*3.01*	
		For >200 To 400, Add	*1.44*	
03 21 16 00-0053	LF	#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	10.45	
		For Up To 100, Add	*5.41*	
		For >100 To 200, Add	*2.85*	
		For >200 To 300, Add	*1.42*	
03 21 16 00-0054	LF	#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	12.59	
		For Up To 100, Add	*6.58*	
		For >100 To 200, Add	*3.45*	
		For >200 To 300, Add	*1.73*	
03 21 16 00-0055	LF	#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	17.67	
		For Up To 100, Add	*9.34*	
		For >100 To 200, Add	*4.88*	
		For >200 To 300, Add	*2.44*	
03 21 16 00-0056	LF	#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar	30.58	
		For Up To 100, Add	*16.36*	
		For >100 To 200, Add	*8.51*	
		For >200 To 300, Add	*4.26*	

03 21 16 00-0057 Footings, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0058	LF	#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0059	LF	#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0060	LF	#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	2.47	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.02*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0061	LF	#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.78*	
		For >100 To 200, Add	*1.45*	
		For >200 To 500, Add	*0.58*	
03 21 16 00-0062	LF	#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	0.96	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0063	LF	#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	1.67	
03 21 16 00-0064	LF	#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	2.53	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0065	LF	#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar	3.54	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0066	LF	#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	0.99	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.41*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0067	LF	#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	1.72	
		For Up To 100, Add	*1.36*	
		For >100 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0068	LF	#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	2.61	
		For Up To 100, Add	*2.09*	
		For >100 To 200, Add	*1.09*	
		For >200 To 500, Add	*0.44*	
03 21 16 00-0069	LF	#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	3.66	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0070	LF	#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	4.84	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0071	LF	#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	6.13	
		For Up To 100, Add	*3.94*	
		For >100 To 200, Add	*2.21*	
		For >200 To 400, Add	*1.06*	
03 21 16 00-0072	LF	#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	7.63	
		For Up To 100, Add	*4.95*	
		For >100 To 200, Add	*2.76*	
		For >200 To 400, Add	*1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0073	LF	#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	9.46	
		For Up To 100, Add	*5.01*	
		For >100 To 200, Add	*2.62*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0074	LF	#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	11.44	
		For Up To 100, Add	*6.11*	
		For >100 To 200, Add	*3.18*	
		For >200 To 300, Add	*1.59*	
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	16.11	
		For Up To 100, Add	*8.69*	
		For >100 To 200, Add	*4.51*	
		For >200 To 300, Add	*2.25*	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar	27.98	
		For Up To 100, Add	*15.25*	
		For >100 To 200, Add	*7.88*	
		For >200 To 300, Add	*3.94*	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	3.78	
		For Up To 100, Add	*3.10*	
		For >100 To 200, Add	*1.61*	
		For >200 To 500, Add	*0.64*	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	5.00	
		For Up To 100, Add	*3.19*	
		For >100 To 200, Add	*1.79*	
		For >200 To 400, Add	*0.86*	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	6.34	
		For Up To 100, Add	*4.10*	
		For >100 To 200, Add	*2.29*	
		For >200 To 400, Add	*1.10*	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	7.90	
		For Up To 100, Add	*5.16*	
		For >100 To 200, Add	*2.87*	
		For >200 To 400, Add	*1.39*	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	9.80	
		For Up To 100, Add	*5.21*	
		For >100 To 200, Add	*2.72*	
		For >200 To 300, Add	*1.36*	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	11.86	
		For Up To 100, Add	*6.36*	
		For >100 To 200, Add	*3.31*	
		For >200 To 300, Add	*1.65*	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	16.71	
		For Up To 100, Add	*9.05*	
		For >100 To 200, Add	*4.69*	
		For >200 To 300, Add	*2.34*	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar	29.06	
		For Up To 100, Add	*15.90*	
		For >100 To 200, Add	*8.21*	
		For >200 To 300, Add	*4.10*	

03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.92	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.59	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.42	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.38	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.94	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.63	
		For Up To 100, Add	*1.29*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.48	
		For Up To 100, Add	*1.99*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.46	
		For Up To 100, Add	*2.82*	
		For >100 To 200, Add	*1.47*	
		For >200 To 500, Add	*0.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	0.97	
		For Up To 100, Add	*0.77*	
		For >100 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	1.68	
		For Up To 100, Add	*1.34*	
		For >100 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.28*	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	2.56	
		For Up To 100, Add	*2.07*	
		For >100 To 200, Add	*1.08*	
		For >200 To 500, Add	*0.43*	
03 21 16 00-0097	LF	#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.58	
		For Up To 100, Add	*2.94*	
		For >100 To 200, Add	*1.53*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0098	LF	#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.04*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.82*	
03 21 16 00-0099	LF	#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.04	
		For Up To 100, Add	*3.91*	
		For >100 To 200, Add	*2.18*	
		For >200 To 400, Add	*1.05*	
03 21 16 00-0100	LF	#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.52	
		For Up To 100, Add	*4.92*	
		For >100 To 200, Add	*2.74*	
		For >200 To 400, Add	*1.32*	
03 21 16 00-0101	LF	#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.33	
		For Up To 100, Add	*4.97*	
		For >100 To 200, Add	*2.59*	
		For >200 To 300, Add	*1.29*	
03 21 16 00-0102	LF	#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.29	
		For Up To 100, Add	*6.07*	
		For >100 To 200, Add	*3.15*	
		For >200 To 300, Add	*1.58*	
03 21 16 00-0103	LF	#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	15.91	
		For Up To 100, Add	*8.63*	
		For >100 To 200, Add	*4.47*	
		For >200 To 300, Add	*2.23*	
03 21 16 00-0104	LF	#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	27.69	
		For Up To 100, Add	*15.17*	
		For >100 To 200, Add	*7.82*	
		For >200 To 300, Add	*3.91*	
03 21 16 00-0105	LF	#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	3.70	
		For Up To 100, Add	*3.06*	
		For >100 To 200, Add	*1.59*	
		For >200 To 500, Add	*0.63*	
03 21 16 00-0106	LF	#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	4.92	
		For Up To 100, Add	*3.16*	
		For >100 To 200, Add	*1.77*	
		For >200 To 400, Add	*0.85*	
03 21 16 00-0107	LF	#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	6.25	
		For Up To 100, Add	*4.07*	
		For >100 To 200, Add	*2.27*	
		For >200 To 400, Add	*1.10*	
03 21 16 00-0108	LF	#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	7.79	
		For Up To 100, Add	*5.12*	
		For >100 To 200, Add	*2.84*	
		For >200 To 400, Add	*1.38*	
03 21 16 00-0109	LF	#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	9.67	
		For Up To 100, Add	*5.17*	
		For >100 To 200, Add	*2.69*	
		For >200 To 300, Add	*1.35*	
03 21 16 00-0110	LF	#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	11.71	
		For Up To 100, Add	*6.32*	
		For >100 To 200, Add	*3.28*	
		For >200 To 300, Add	*1.64*	
03 21 16 00-0111	LF	#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	16.51	
		For Up To 100, Add	*8.99*	
		For >100 To 200, Add	*4.65*	
		For >200 To 300, Add	*2.32*	
03 21 16 00-0112	LF	#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar	28.77	
		For Up To 100, Add	*15.81*	
		For >100 To 200, Add	*8.15*	
		For >200 To 300, Add	*4.07*	

03 21 16 00-0113 Elevated Slabs, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0114	LF	#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.70*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0115	LF	#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.23*	
		For >100 To 200, Add	*0.64*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0116	LF	#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.89*	
		For >100 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0117	LF	#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.25	
		For Up To 100, Add	*2.69*	
		For >100 To 200, Add	*1.39*	
		For >200 To 500, Add	*0.56*	
03 21 16 00-0118	LF	#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.90	
		For Up To 100, Add	*0.72*	
		For >100 To 200, Add	*0.38*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0119	LF	#4, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.56	
		For Up To 100, Add	*1.27*	
		For >100 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0120	LF	#5, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.38	
		For Up To 100, Add	*1.95*	
		For >100 To 200, Add	*1.01*	
		For >200 To 500, Add	*0.41*	
03 21 16 00-0121	LF	#6, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.33	
		For Up To 100, Add	*2.77*	
		For >100 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0122	LF	#3, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	0.93	
		For Up To 100, Add	*0.75*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.16*	
03 21 16 00-0123	LF	#4, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	1.61	
		For Up To 100, Add	*1.32*	
		For >100 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0124	LF	#5, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	2.46	
		For Up To 100, Add	*2.03*	
		For >100 To 200, Add	*1.05*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0125	LF	#6, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.45	
		For Up To 100, Add	*2.89*	
		For >100 To 200, Add	*1.49*	
		For >200 To 500, Add	*0.60*	
03 21 16 00-0126	LF	#7, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.60	
		For Up To 100, Add	*2.99*	
		For >100 To 200, Add	*1.67*	
		For >200 To 400, Add	*0.80*	
03 21 16 00-0127	LF	#8, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	5.84	
		For Up To 100, Add	*3.84*	
		For >100 To 200, Add	*2.13*	
		For >200 To 400, Add	*1.03*	
03 21 16 00-0128	LF	#9, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.30	
		For Up To 100, Add	*4.84*	
		For >100 To 200, Add	*2.68*	
		For >200 To 400, Add	*1.30*	
03 21 16 00-0129	LF	#10, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.07	
		For Up To 100, Add	*4.89*	
		For >100 To 200, Add	*2.54*	
		For >200 To 300, Add	*1.27*	
03 21 16 00-0130	LF	#11, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	10.99	
		For Up To 100, Add	*5.98*	
		For >100 To 200, Add	*3.09*	
		For >200 To 300, Add	*1.55*	
03 21 16 00-0131	LF	#14, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	15.53	
		For Up To 100, Add	*8.52*	
		For >100 To 200, Add	*4.39*	
		For >200 To 300, Add	*2.20*	
03 21 16 00-0132	LF	#18, Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	27.09	
		For Up To 100, Add	*14.99*	
		For >100 To 200, Add	*7.70*	
		For >200 To 300, Add	*3.85*	
03 21 16 00-0133	LF	#6, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	3.57	
		For Up To 100, Add	*3.01*	
		For >100 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.62*	
03 21 16 00-0134	LF	#7, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	4.76	
		For Up To 100, Add	*3.11*	
		For >100 To 200, Add	*1.73*	
		For >200 To 400, Add	*0.84*	
03 21 16 00-0135	LF	#8, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	6.05	
		For Up To 100, Add	*4.00*	
		For >100 To 200, Add	*2.22*	
		For >200 To 400, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0136	LF	#9, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	7.57	
		For Up To 100, Add	*5.04*	
		For >100 To 200, Add	*2.79*	
		For >200 To 400, Add	*1.36*	
03 21 16 00-0137	LF	#10, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	9.41	
		For Up To 100, Add	*5.09*	
		For >100 To 200, Add	*2.64*	
		For >200 To 300, Add	*1.32*	
03 21 16 00-0138	LF	#11, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	11.41	
		For Up To 100, Add	*6.23*	
		For >100 To 200, Add	*3.22*	
		For >200 To 300, Add	*1.61*	
03 21 16 00-0139	LF	#14, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	16.13	
		For Up To 100, Add	*8.88*	
		For >100 To 200, Add	*4.57*	
		For >200 To 300, Add	*2.29*	
03 21 16 00-0140	LF	#18, Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar	28.17	
		For Up To 100, Add	*15.63*	
		For >100 To 200, Add	*8.03*	
		For >200 To 300, Add	*4.01*	

03 21 16 00-0141 Walls, Epoxy Coated Steel Reinforcement Bar *(03 21 16)*

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0142	LF	#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	0.86	
		For Up To 100, Add	*0.69*	
		For >100 To 200, Add	*0.36*	
		For >200 To 500, Add	*0.14*	
03 21 16 00-0143	LF	#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	1.48	
		For Up To 100, Add	*1.21*	
		For >100 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.25*	
03 21 16 00-0144	LF	#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	2.26	
		For Up To 100, Add	*1.87*	
		For >100 To 200, Add	*0.97*	
		For >200 To 500, Add	*0.39*	
03 21 16 00-0145	LF	#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar	3.18	
		For Up To 100, Add	*2.66*	
		For >100 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.55*	
03 21 16 00-0146	LF	#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	0.88	
		For Up To 100, Add	*0.71*	
		For >100 To 200, Add	*0.37*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0147	LF	#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	1.52	
		For Up To 100, Add	*1.25*	
		For >100 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
03 21 16 00-0148	LF	#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	2.32	
		For Up To 100, Add	*1.93*	
		For >100 To 200, Add	*1.00*	
		For >200 To 500, Add	*0.40*	
03 21 16 00-0149	LF	#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar	3.26	
		For Up To 100, Add	*2.74*	
		For >100 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.57*	
03 21 16 00-0150	LF	#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	0.91	
		For Up To 100, Add	*0.74*	
		For >100 To 200, Add	*0.39*	
		For >200 To 500, Add	*0.15*	
03 21 16 00-0151	LF	#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	1.57	
		For Up To 100, Add	*1.30*	
		For >100 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.27*	
03 21 16 00-0152	LF	#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	2.40	
		For Up To 100, Add	*2.01*	
		For >100 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.42*	
03 21 16 00-0153	LF	#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	3.38	
		For Up To 100, Add	*2.86*	
		For >100 To 200, Add	*1.48*	
		For >200 To 500, Add	*0.59*	
03 21 16 00-0154	LF	#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	4.50	
		For Up To 100, Add	*2.95*	
		For >100 To 200, Add	*1.64*	
		For >200 To 400, Add	*0.79*	
03 21 16 00-0155	LF	#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	5.75	
		For Up To 100, Add	*3.81*	
		For >100 To 200, Add	*2.11*	
		For >200 To 400, Add	*1.02*	
03 21 16 00-0156	LF	#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	7.19	
		For Up To 100, Add	*4.80*	
		For >100 To 200, Add	*2.65*	
		For >200 To 400, Add	*1.29*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0157	LF	#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	8.94	
		For Up To 100, Add	*4.85*	
		For >100 To 200, Add	*2.51*	
		For >200 To 300, Add	*1.26*	
03 21 16 00-0158	LF	#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	10.85	
		For Up To 100, Add	*5.93*	
		For >100 To 200, Add	*3.06*	
		For >200 To 300, Add	*1.53*	
03 21 16 00-0159	LF	#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	15.34	
		For Up To 100, Add	*8.46*	
		For >100 To 200, Add	*4.35*	
		For >200 To 300, Add	*2.18*	
03 21 16 00-0160	LF	#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar	26.79	
		For Up To 100, Add	*14.90*	
		For >100 To 200, Add	*7.64*	
		For >200 To 300, Add	*3.82*	
03 21 16 00-0161	LF	#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	3.50	
		For Up To 100, Add	*2.98*	
		For >100 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.61*	
03 21 16 00-0162	LF	#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	4.66	
		For Up To 100, Add	*3.07*	
		For >100 To 200, Add	*1.71*	
		For >200 To 400, Add	*0.83*	
03 21 16 00-0163	LF	#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	5.96	
		For Up To 100, Add	*3.97*	
		For >100 To 200, Add	*2.20*	
		For >200 To 400, Add	*1.07*	
03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	7.46	
		For Up To 100, Add	*5.00*	
		For >100 To 200, Add	*2.76*	
		For >200 To 400, Add	*1.34*	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	9.28	
		For Up To 100, Add	*5.06*	
		For >100 To 200, Add	*2.61*	
		For >200 To 300, Add	*1.31*	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	11.27	
		For Up To 100, Add	*6.19*	
		For >100 To 200, Add	*3.19*	
		For >200 To 300, Add	*1.59*	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	15.94	
		For Up To 100, Add	*8.82*	
		For >100 To 200, Add	*4.53*	
		For >200 To 300, Add	*2.27*	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	27.87	
		For Up To 100, Add	*15.54*	
		For >100 To 200, Add	*7.97*	
		For >200 To 300, Add	*3.98*	

03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels *(03 21 16)*

Note: Excludes drilling. See CSI section 02 41 19 13-0277 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	5.91	
		For Up To 12" Length, Deduct	*-0.71*	
		For >12" To <24" Length, Deduct	*-0.36*	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	7.11	
		For Up To 12" Length, Deduct	*-1.08*	
		For >12" To <24" Length, Deduct	*-0.54*	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	8.96	
		For Up To 12" Length, Deduct	*-1.61*	
		For >12" To <24" Length, Deduct	*-0.80*	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	11.22	
		For Up To 12" Length, Deduct	*-2.14*	
		For >12" To <24" Length, Deduct	*-1.07*	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	13.69	
		For Up To 12" Length, Deduct	*-2.91*	
		For >12" To <24" Length, Deduct	*-1.46*	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	16.03	
		For Up To 12" Length, Deduct	*-3.58*	
		For >12" To <24" Length, Deduct	*-1.79*	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	18.98	
		For Up To 12" Length, Deduct	*-4.34*	
		For >12" To <24" Length, Deduct	*-2.17*	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	22.89	
		For Up To 12" Length, Deduct	*-5.26*	
		For >12" To <24" Length, Deduct	*-2.63*	

03 22 Fabric and Grid Reinforcing *(03 20)*

03 22 11 Plain Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 11)*

Note: Includes bar chairs. Under 5 tons. ASTM A-185

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 22 11 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.88	
		For >5 Ton, Deduct	*-0.13*	
03 22 11 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 30 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.00	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.14	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.35	
		For >5 Ton, Deduct	*-0.19*	
03 22 11 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.05	
		For >5 Ton, Deduct	*-0.15*	
03 22 11 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 44 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.18	
		For >5 Ton, Deduct	*-0.17*	
03 22 11 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.50	
		For >5 Ton, Deduct	*-0.21*	
03 22 11 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.74	
		For >5 Ton, Deduct	*-0.24*	
03 22 11 00-0010	SF	2" x 2" x #12, (W0.9 x W0.9), 37 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.62	
		For >5 Ton, Deduct	*-0.21*	
03 22 11 00-0011	SF	2" x 2" x #10, (W1.4 x W1.4), 60 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.24	
		For >5 Ton, Deduct	*-0.28*	
		For Galvanized, Add	*0.56*	
		For Epoxy Coated, Add	*1.13*	
03 22 11 00-0012	SF	2" x 2" x #8, (W2.1 x W2.1), 88 Lb./CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	3.01	
		For >5 Ton, Deduct	*-0.36*	

03 22 13 Galvanized Welded Wire Fabric Reinforcing *(03 22)*

03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.97	
		For >5 Ton, Deduct	*-0.14*	
03 22 13 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.12	
		For >5 Ton, Deduct	*-0.16*	
03 22 13 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.29	
		For >5 Ton, Deduct	*-0.18*	
03 22 13 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.57	
		For >5 Ton, Deduct	*-0.21*	
03 22 13 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.18	
		For >5 Ton, Deduct	*-0.17*	
03 22 13 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.35	
		For >5 Ton, Deduct	*-0.19*	
03 22 13 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.77	
		For >5 Ton, Deduct	*-0.23*	
03 22 13 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.08	
		For >5 Ton, Deduct	*-0.27*	

03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns *(03 22 13)*

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, (W0.5 x W0.5), 21 Lb./CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns	3.43	
		For >5 Ton, Deduct	*-0.53*	

03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing *(03 22)*

03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 16)*

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, (W1.4 x W1.4), 21 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	0.96	
		For >5 Ton, Deduct	*-0.14*	
03 22 16 00-0003	SF	6" x 6" x #8, (W2.1 x W2.1), 29 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.10	
		For >5 Ton, Deduct	*-0.16*	
03 22 16 00-0004	SF	6" x 6" x #6, (W2.9 x W2.9), 42 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.27	
		For >5 Ton, Deduct	*-0.18*	
03 22 16 00-0005	SF	6" x 6" x #4, (W4.0 x W4.0), 58 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.54	
		For >5 Ton, Deduct	*-0.21*	
03 22 16 00-0006	SF	4" x 4" x #10, (W1.4 x W1.4), 31 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.17	
		For >5 Ton, Deduct	*-0.17*	
03 22 16 00-0007	SF	4" x 4" x #8, (W2.1 x W2.1), 43 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.33	
		For >5 Ton, Deduct	*-0.19*	
03 22 16 00-0008	SF	4" x 4" x #6, (W2.9 x W2.9), 62 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.74	
		For >5 Ton, Deduct	*-0.23*	
03 22 16 00-0009	SF	4" x 4" x #4, (W4.0 x W4.0), 85 Lb./CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.03	
		For >5 Ton, Deduct	*-0.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 22 23 Stainless Steel Welded Wire Fabric Reinforcing *(03 22)*

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

03 22 23 00-0001 Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs *(03 22 23)*

03 22 23 00-0002	SF	6" x 6" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	1.61
03 22 23 00-0003	SF	4" x 4" x #10, Stainless Steel Welded Wire Fabric Reinforcing Placed In Floors Or Slabs	2.07

03 30 Cast-In-Place Concrete *(03)*

See CSI section 01 74 19 00-0048 for hauling over 15 miles.

03 30 53 Miscellaneous Cast-in-Place Concrete *(03 30)*

03 30 53 00-0001 Place Concrete Duct Bank *(03 30 53)*

03 30 53 00-0002	CY	Direct Chute, Place 3,000 PSI Concrete Duct Bank	217.79
		For 2,000 PSI Concrete, Deduct	*-9.78*
		For 2,500 PSI Concrete, Deduct	*-4.89*
		For 3,500 PSI Concrete, Add	*9.06*
		For 3,750 PSI Concrete, Add	*12.32*
		For 4,000 PSI Concrete, Add	*15.58*
		For 4,500 PSI Concrete, Add	*18.11*
		For 5,000 PSI Concrete, Add	*20.65*
		For 6,000 PSI Concrete, Add	*48.91*
		For 7,500 PSI Concrete, Add	*121.45*
		For White Cement Concrete, Add	*21.74*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*
		For Lightweight Aggregate, ASTM C330, Add	*63.40*
		For Up To 20, Add	*14.66*
		For >20 To 50, Add	*5.50*
		For >100 To 200, Deduct	*-4.36*
		For >200 To 400, Deduct	*-8.71*
		For >400, Deduct	*-13.07*

03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill *(03 30 53)*

03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks	263.90
		For 2,000 PSI Concrete, Deduct	*-9.78*
		For 2,500 PSI Concrete, Deduct	*-4.89*
		For 3,500 PSI Concrete, Add	*9.06*
		For 3,750 PSI Concrete, Add	*12.32*
		For 4,000 PSI Concrete, Add	*15.58*
		For 4,500 PSI Concrete, Add	*18.11*
		For 5,000 PSI Concrete, Add	*20.65*
		For 6,000 PSI Concrete, Add	*48.91*
		For 7,500 PSI Concrete, Add	*121.45*
		For White Cement Concrete, Add	*21.74*
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*
		For Lightweight Aggregate, ASTM C330, Add	*63.40*

03 30 53 00-0005 Place Concrete Slurry *(03 30 53)*

03 30 53 00-0006	CY	Direct Chute, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY.	202.30
03 30 53 00-0007	CY	Concrete Pump, Place Two Sack Cement, Concrete Slurry Note: Two 94# sack cement per CY. Excludes pumping equipment.	195.01

03 30 53 00-0008 Hand Mix And Place Concrete *(03 30 53)*

03 30 53 00-0009	CF	Hand Mix And Place 3,000 PSI Concrete Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.	21.19
		For Up To 25 CF, Add	*2.51*
		For 2,000 PSI Concrete, Deduct	*-0.42*
		For 2,500 PSI Concrete, Deduct	*-0.21*
		For 3,500 PSI Concrete, Add	*0.39*

03 31 Structural Concrete *(03 30)*

03 31 13 Heavyweight Structural Concrete *(03 31)*

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0086 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

03 31 13 00-0001 Concrete Slab Assemblies *(03 31 13)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0002		**3,000 PSI Slab On Grade Concrete Slabs Assemblies** *(03 31 13 00-0001)* Note: Includes forms, welded wire reinforcement (where necessary), #3 to #6 reinforcing rods at 12" on center each way with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for pedestrian slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.		
03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly	8.59	
		For 2,000 PSI Concrete, Deduct	*-0.24*	
		For 2,500 PSI Concrete, Deduct	*-0.12*	
		For 3,500 PSI Concrete, Add	*0.08*	
		For 4,000 PSI Concrete, Add	*0.28*	
		For 4,500 PSI Concrete, Add	*0.35*	
		For 5,000 PSI Concrete, Add	*0.40*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*3.39*	
		For >500 To 1,000, Add	*2.34*	
		For >1,000 To 2,000, Add	*1.28*	
		For >2,000 To 5,000, Add	*0.64*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000 To 35,000, Deduct	*-0.43*	
		For >35,000 To 50,000, Deduct	*-0.65*	
		For >50,000 To 70,000, Deduct	*-0.86*	
		For >70,000, Deduct	*-1.08*	
03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly	9.38	
		For 2,000 PSI Concrete, Deduct	*-0.27*	
		For 2,500 PSI Concrete, Deduct	*-0.14*	
		For 3,500 PSI Concrete, Add	*0.10*	
		For 4,000 PSI Concrete, Add	*0.32*	
		For 4,500 PSI Concrete, Add	*0.40*	
		For 5,000 PSI Concrete, Add	*0.46*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*3.63*	
		For >500 To 1,000, Add	*2.50*	
		For >1,000 To 2,000, Add	*1.38*	
		For >2,000 To 5,000, Add	*0.69*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000 To 35,000, Deduct	*-0.48*	
		For >35,000 To 50,000, Deduct	*-0.72*	
		For >50,000 To 70,000, Deduct	*-0.95*	
		For >70,000, Deduct	*-1.19*	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly	10.52	
		For 2,000 PSI Concrete, Deduct	*-0.32*	
		For 2,500 PSI Concrete, Deduct	*-0.16*	
		For 3,500 PSI Concrete, Add	*0.11*	
		For 4,000 PSI Concrete, Add	*0.37*	
		For 4,500 PSI Concrete, Add	*0.46*	
		For 5,000 PSI Concrete, Add	*0.53*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*3.98*	
		For >500 To 1,000, Add	*2.75*	
		For >1,000 To 2,000, Add	*1.52*	
		For >2,000 To 5,000, Add	*0.76*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000 To 35,000, Deduct	*-0.56*	
		For >35,000 To 50,000, Deduct	*-0.82*	
		For >50,000 To 70,000, Deduct	*-1.08*	
		For >70,000, Deduct	*-1.34*	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly	11.59	
		For 2,000 PSI Concrete, Deduct	*-0.36*	
		For 2,500 PSI Concrete, Deduct	*-0.18*	
		For 3,500 PSI Concrete, Add	*0.13*	
		For 4,000 PSI Concrete, Add	*0.42*	
		For 4,500 PSI Concrete, Add	*0.53*	
		For 5,000 PSI Concrete, Add	*0.61*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*4.27*	
		For >500 To 1,000, Add	*2.96*	
		For >1,000 To 2,000, Add	*1.65*	
		For >2,000 To 5,000, Add	*0.82*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000 To 35,000, Deduct	*-0.63*	
		For >35,000 To 50,000, Deduct	*-0.92*	
		For >50,000 To 70,000, Deduct	*-1.21*	
		For >70,000, Deduct	*-1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly	12.51	
		For 2,000 PSI Concrete, Deduct	*-0.40*	
		For 2,500 PSI Concrete, Deduct	*-0.20*	
		For 3,500 PSI Concrete, Add	*0.14*	
		For 4,000 PSI Concrete, Add	*0.47*	
		For 4,500 PSI Concrete, Add	*0.59*	
		For 5,000 PSI Concrete, Add	*0.68*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*4.53*	
		For >500 To 1,000, Add	*3.14*	
		For >1,000 To 2,000, Add	*1.76*	
		For >2,000 To 5,000, Add	*0.88*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000 To 35,000, Deduct	*-0.68*	
		For >35,000 To 50,000, Deduct	*-1.00*	
		For >50,000 To 70,000, Deduct	*-1.31*	
		For >70,000, Deduct	*-1.62*	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly	14.84	
		For 2,000 PSI Concrete, Deduct	*-0.51*	
		For 2,500 PSI Concrete, Deduct	*-0.25*	
		For 3,500 PSI Concrete, Add	*0.18*	
		For 4,000 PSI Concrete, Add	*0.59*	
		For 4,500 PSI Concrete, Add	*0.74*	
		For 5,000 PSI Concrete, Add	*0.85*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*5.15*	
		For >500 To 1,000, Add	*3.59*	
		For >1,000 To 2,000, Add	*2.03*	
		For >2,000 To 5,000, Add	*1.01*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000 To 35,000, Deduct	*-0.84*	
		For >35,000 To 50,000, Deduct	*-1.21*	
		For >50,000 To 70,000, Deduct	*-1.58*	
		For >70,000, Deduct	*-1.95*	
03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly	16.66	
		For 2,000 PSI Concrete, Deduct	*-0.58*	
		For 2,500 PSI Concrete, Deduct	*-0.29*	
		For 3,500 PSI Concrete, Add	*0.21*	
		For 4,000 PSI Concrete, Add	*0.68*	
		For 4,500 PSI Concrete, Add	*0.85*	
		For 5,000 PSI Concrete, Add	*0.98*	
		For Reinforcing Rods Are At 18" On Center, Deduct	*-0.60*	
		For Reinforcing Rods Are At 24" On Center, Deduct	*-0.89*	
		For Up To 500, Add	*5.67*	
		For >500 To 1,000, Add	*3.96*	
		For >1,000 To 2,000, Add	*2.25*	
		For >2,000 To 5,000, Add	*1.13*	
		For >10,000 To 20,000, Deduct	*-0.54*	
		For >20,000 To 35,000, Deduct	*-0.96*	
		For >35,000 To 50,000, Deduct	*-1.37*	
		For >50,000 To 70,000, Deduct	*-1.79*	
		For >70,000, Deduct	*-2.21*	

03 31 13 00-0010 Concrete Delivery And Placement *(03 31 13)*

Note: Includes cleaning out equipment and standard concrete placement tests.

03 31 13 00-0011 Place Concrete By Method Indicated *(03 31 13 00-0010)*

Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps *(03 31 13 00-0011)*

03 31 13 00-0013	CY	Crane And Bucket, Place 3,000 PSI Concrete Pile Caps	317.67	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*54.62*	
		For >20 To 50, Add	*20.48*	
		For >100 To 200, Deduct	*-6.35*	
		For >200 To 400, Deduct	*-12.71*	
		For >400, Deduct	*-19.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0014	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps	241.99	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*24.34*	
		For >20 To 50, Add	*9.13*	
		For >100 To 200, Deduct	*-4.84*	
		For >200 To 400, Deduct	*-9.68*	
		For >400, Deduct	*-14.52*	
03 31 13 00-0015	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps	254.18	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*23.18*	
		For >20 To 50, Add	*8.69*	
		For >100 To 200, Deduct	*-5.08*	
		For >200 To 400, Deduct	*-10.17*	
		For >400, Deduct	*-15.25*	

03 31 13 00-0016 Place Concrete Continuous Footings *(03 31 13 00-0011)*

03 31 13 00-0017	CY	Crane And Bucket, Place 3,000 PSI Concrete Continuous Footings	302.50	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*48.55*	
		For >20 To 50, Add	*18.21*	
		For >100 To 200, Deduct	*-6.05*	
		For >200 To 400, Deduct	*-12.10*	
		For >400, Deduct	*-18.15*	
03 31 13 00-0018	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings	235.23	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*21.64*	
		For >20 To 50, Add	*8.12*	
		For >100 To 200, Deduct	*-4.70*	
		For >200 To 400, Deduct	*-9.41*	
		For >400, Deduct	*-14.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0019	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings Note: Excludes pumping equipment.	247.74	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*20.61*	
		For >20 To 50, Add	*7.73*	
		For >100 To 200, Deduct	*-4.95*	
		For >200 To 400, Deduct	*-9.91*	
		For >400, Deduct	*-14.86*	

03 31 13 00-0020 Place Concrete Spread Footings *(03 31 13 00-0011)*

03 31 13 00-0021	CY	Crane And Bucket, Place 3,000 PSI Concrete Spread Footings	385.94	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*81.92*	
		For >20 To 50, Add	*30.72*	
		For >100 To 200, Deduct	*-7.72*	
		For >200 To 400, Deduct	*-15.44*	
		For >400, Deduct	*-23.16*	
03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings	272.41	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*36.51*	
		For >20 To 50, Add	*13.69*	
		For >100 To 200, Deduct	*-5.45*	
		For >200 To 400, Deduct	*-10.90*	
		For >400, Deduct	*-16.34*	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings Note: Excludes pumping equipment.	283.16	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*34.78*	
		For >20 To 50, Add	*13.04*	
		For >100 To 200, Deduct	*-5.66*	
		For >200 To 400, Deduct	*-11.33*	
		For >400, Deduct	*-16.99*	

03 31 13 00-0024 Place Concrete Mat Foundation *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0025	CY	Crane And Bucket, Place 3,000 PSI Concrete Mat Foundation	217.55	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*14.57*	
		For >20 To 50, Add	*5.46*	
		For >100 To 200, Deduct	*-4.35*	
		For >200 To 400, Deduct	*-8.70*	
		For >400, Deduct	*-13.05*	
03 31 13 00-0026	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation	197.36	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*6.49*	
		For >20 To 50, Add	*2.43*	
		For >100 To 200, Deduct	*-3.95*	
		For >200 To 400, Deduct	*-7.89*	
		For >400, Deduct	*-11.84*	
03 31 13 00-0027	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation Note: Excludes pumping equipment.	209.75	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*5.41*	
		For >20 To 50, Add	*2.03*	
		For >100 To 200, Deduct	*-4.20*	
		For >200 To 400, Deduct	*-8.39*	
		For >400, Deduct	*-12.59*	

03 31 13 00-0028 Place Concrete Grade Beams *(03 31 13 00-0011)*

03 31 13 00-0029	CY	Crane And Bucket, Place 3,000 PSI Concrete Grade Beams	278.23	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*38.84*	
		For >20 To 50, Add	*14.57*	
		For >100 To 200, Deduct	*-5.56*	
		For >200 To 400, Deduct	*-11.13*	
		For >400, Deduct	*-16.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0030	CY	Direct Chute, Place 3,000 PSI Concrete Grade Beams	224.40	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*17.31*	
		For >20 To 50, Add	*6.49*	
		For >100 To 200, Deduct	*-4.49*	
		For >200 To 400, Deduct	*-8.98*	
		For >400, Deduct	*-13.46*	
03 31 13 00-0031	CY	Concrete Pump, Place 3,000 PSI Concrete Grade Beams	237.44	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*16.49*	
		For >20 To 50, Add	*6.18*	
		For >100 To 200, Deduct	*-4.75*	
		For >200 To 400, Deduct	*-9.50*	
		For >400, Deduct	*-14.25*	

03 31 13 00-0032 Place Concrete Slab On Grade *(03 31 13 00-0011)*

03 31 13 00-0033	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	280.50	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*39.75*	
		For >20 To 50, Add	*14.91*	
		For >100 To 200, Deduct	*-5.61*	
		For >200 To 400, Deduct	*-11.22*	
		For >400, Deduct	*-16.83*	
03 31 13 00-0034	CY	>6", By Crane And Bucket, Place 3,000 PSI Concrete Slab On Grade	256.54	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*30.16*	
		For >20 To 50, Add	*11.31*	
		For >100 To 200, Deduct	*-5.13*	
		For >200 To 400, Deduct	*-10.26*	
		For >400, Deduct	*-15.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0035	CY	Up To 6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	225.43	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*17.72*	
		For >20 To 50, Add	*6.65*	
		For >100 To 200, Deduct	*-4.51*	
		For >200 To 400, Deduct	*-9.02*	
		For >400, Deduct	*-13.53*	
03 31 13 00-0036	CY	>6", By Direct Chute, Place 3,000 PSI Concrete Slab On Grade	214.73	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*13.44*	
		For >20 To 50, Add	*5.04*	
		For >100 To 200, Deduct	*-4.29*	
		For >200 To 400, Deduct	*-8.59*	
		For >400, Deduct	*-12.88*	
03 31 13 00-0037	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	233.14	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*14.77*	
		For >20 To 50, Add	*5.54*	
		For >100 To 200, Deduct	*-4.66*	
		For >200 To 400, Deduct	*-9.33*	
		For >400, Deduct	*-13.99*	
03 31 13 00-0038	CY	>6", By Concrete Pump, Place 3,000 PSI Concrete Slab On Grade	224.22	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*11.20*	
		For >20 To 50, Add	*4.20*	
		For >100 To 200, Deduct	*-4.48*	
		For >200 To 400, Deduct	*-8.97*	
		For >400, Deduct	*-13.45*	

03 31 13 00-0039 Place Concrete Stairs *(03 31 13 00-0011)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0040	CY	Crane And Bucket, Place 3,000 PSI On Grade Concrete Stairs	628.26	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*178.85*	
		For >20 To 50, Add	*67.07*	
		For >100 To 200, Deduct	*-12.57*	
		For >200 To 400, Deduct	*-25.13*	
		For >400, Deduct	*-37.70*	
03 31 13 00-0041	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs	380.45	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*79.73*	
		For >20 To 50, Add	*29.90*	
		For >100 To 200, Deduct	*-7.61*	
		For >200 To 400, Deduct	*-15.22*	
		For >400, Deduct	*-22.83*	
03 31 13 00-0042	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs Note: Excludes pumping equipment.	362.34	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*66.45*	
		For >20 To 50, Add	*24.92*	
		For >100 To 200, Deduct	*-7.25*	
		For >200 To 400, Deduct	*-14.49*	
		For >400, Deduct	*-21.74*	

03 31 13 00-0043 Place Concrete Superstructure By Method Indicated *(03 31 13 00-0010)*

See CSI section 03 37 16 00-0001 for concrete pump truck.

03 31 13 00-0044 Place Elevated Concrete Beams *(03 31 13 00-0043)*

03 31 13 00-0045	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Beams	423.87	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*97.10*	
		For >20 To 50, Add	*36.41*	
		For >100 To 200, Deduct	*-8.48*	
		For >200 To 400, Deduct	*-16.95*	
		For >400, Deduct	*-25.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0046	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams Note: Excludes pumping equipment.	299.26	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*41.22*	
		For >20 To 50, Add	*15.46*	
		For >100 To 200, Deduct	*-5.99*	
		For >200 To 400, Deduct	*-11.97*	
		For >400, Deduct	*-17.96*	

03 31 13 00-0047 Place Elevated Concrete Slab *(03 31 13 00-0043)*

03 31 13 00-0048	CY	Up To 6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	295.41	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*45.71*	
		For >20 To 50, Add	*17.14*	
		For >100 To 200, Deduct	*-5.91*	
		For >200 To 400, Deduct	*-11.82*	
		For >400, Deduct	*-17.72*	
03 31 13 00-0049	CY	>6", By Crane And Bucket, Place 3,000 PSI Elevated Concrete Slab	267.84	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*34.68*	
		For >20 To 50, Add	*13.01*	
		For >100 To 200, Deduct	*-5.36*	
		For >200 To 400, Deduct	*-10.71*	
		For >400, Deduct	*-16.07*	
03 31 13 00-0050	CY	Up To 6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	244.73	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*19.40*	
		For >20 To 50, Add	*7.28*	
		For >100 To 200, Deduct	*-4.89*	
		For >200 To 400, Deduct	*-9.79*	
		For >400, Deduct	*-14.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0051	CY	>6", By Concrete Pump, Place 3,000 PSI Elevated Concrete Slab Note: Excludes pumping equipment.	233.02	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*14.72*	
		For >20 To 50, Add	*5.52*	
		For >100 To 200, Deduct	*-4.66*	
		For >200 To 400, Deduct	*-9.32*	
		For >400, Deduct	*-13.98*	

03 31 13 00-0052 Place Concrete Columns *(03 31 13 00-0043)*

03 31 13 00-0053	CY	12" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	443.29	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*104.86*	
		For >20 To 50, Add	*39.32*	
		For >100 To 200, Deduct	*-8.87*	
		For >200 To 400, Deduct	*-17.73*	
		For >400, Deduct	*-26.60*	
03 31 13 00-0054	CY	18" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	371.68	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*76.22*	
		For >20 To 50, Add	*28.58*	
		For >100 To 200, Deduct	*-7.43*	
		For >200 To 400, Deduct	*-14.87*	
		For >400, Deduct	*-22.30*	
03 31 13 00-0055	CY	24" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	320.46	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*55.73*	
		For >20 To 50, Add	*20.90*	
		For >100 To 200, Deduct	*-6.41*	
		For >200 To 400, Deduct	*-12.82*	
		For >400, Deduct	*-19.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0056	CY	36" Square Or Round, By Crane And Bucket, Place 3,000 PSI Concrete Columns	297.65	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*46.61*	
		For >20 To 50, Add	*17.48*	
		For >100 To 200, Deduct	*-5.95*	
		For >200 To 400, Deduct	*-11.91*	
		For >400, Deduct	*-17.86*	
03 31 13 00-0057	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	307.51	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*44.52*	
		For >20 To 50, Add	*16.69*	
		For >100 To 200, Deduct	*-6.15*	
		For >200 To 400, Deduct	*-12.30*	
		For >400, Deduct	*-18.45*	
03 31 13 00-0058	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	277.10	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*32.35*	
		For >20 To 50, Add	*12.13*	
		For >100 To 200, Deduct	*-5.54*	
		For >200 To 400, Deduct	*-11.08*	
		For >400, Deduct	*-16.63*	
03 31 13 00-0059	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	255.37	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*23.66*	
		For >20 To 50, Add	*8.87*	
		For >100 To 200, Deduct	*-5.11*	
		For >200 To 400, Deduct	*-10.21*	
		For >400, Deduct	*-15.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0060	CY	36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns Note: Excludes pumping equipment.	245.67	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*19.78*	
		For >20 To 50, Add	*7.42*	
		For >100 To 200, Deduct	*-4.91*	
		For >200 To 400, Deduct	*-9.83*	
		For >400, Deduct	*-14.74*	

03 31 13 00-0061 Place Concrete Walls *(03 31 13 00-0043)*

03 31 13 00-0062	CY	Up To 8" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	426.91	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*98.31*	
		For >20 To 50, Add	*36.87*	
		For >100 To 200, Deduct	*-8.54*	
		For >200 To 400, Deduct	*-17.08*	
		For >400, Deduct	*-25.61*	
03 31 13 00-0063	CY	12" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	406.53	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*90.16*	
		For >20 To 50, Add	*33.81*	
		For >100 To 200, Deduct	*-8.13*	
		For >200 To 400, Deduct	*-16.26*	
		For >400, Deduct	*-24.39*	
03 31 13 00-0064	CY	15" Thick, By Crane And Bucket, Place 3,000 PSI Concrete Walls	353.17	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*68.82*	
		For >20 To 50, Add	*25.81*	
		For >100 To 200, Deduct	*-7.06*	
		For >200 To 400, Deduct	*-14.13*	
		For >400, Deduct	*-21.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0065	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	290.67	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*43.82*	
		For >20 To 50, Add	*16.43*	
		For >100 To 200, Deduct	*-5.81*	
		For >200 To 400, Deduct	*-11.63*	
		For >400, Deduct	*-17.44*	
03 31 13 00-0066	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	268.77	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*35.06*	
		For >20 To 50, Add	*13.15*	
		For >100 To 200, Deduct	*-5.38*	
		For >200 To 400, Deduct	*-10.75*	
		For >400, Deduct	*-16.13*	
03 31 13 00-0067	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls	257.81	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*30.67*	
		For >20 To 50, Add	*11.50*	
		For >100 To 200, Deduct	*-5.16*	
		For >200 To 400, Deduct	*-10.31*	
		For >400, Deduct	*-15.47*	
03 31 13 00-0068	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	300.54	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*41.73*	
		For >20 To 50, Add	*15.65*	
		For >100 To 200, Deduct	*-6.01*	
		For >200 To 400, Deduct	*-12.02*	
		For >400, Deduct	*-18.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0069	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	279.67	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*33.38*	
		For >20 To 50, Add	*12.52*	
		For >100 To 200, Deduct	*-5.59*	
		For >200 To 400, Deduct	*-11.19*	
		For >400, Deduct	*-16.78*	
03 31 13 00-0070	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls Note: Excludes pumping equipment.	269.25	
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*29.21*	
		For >20 To 50, Add	*10.95*	
		For >100 To 200, Deduct	*-5.39*	
		For >200 To 400, Deduct	*-10.77*	
		For >400, Deduct	*-16.16*	

03 31 13 00-0071 Place Elevated Concrete Stairs *(03 31 13 00-0043)*

03 31 13 00-0072	CY	Crane And Bucket, Place 3,000 PSI Elevated Concrete Stairs	678.00	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*198.75*	
		For >20 To 50, Add	*74.53*	
		For >100 To 200, Deduct	*-13.56*	
		For >200 To 400, Deduct	*-27.12*	
		For >400, Deduct	*-40.68*	
03 31 13 00-0073	CY	Direct Chute, Place 3,000 PSI Elevated Concrete Stairs	402.59	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*88.58*	
		For >20 To 50, Add	*33.22*	
		For >100 To 200, Deduct	*-8.05*	
		For >200 To 400, Deduct	*-16.10*	
		For >400, Deduct	*-24.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0074	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs	380.77	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*73.82*	
		For >20 To 50, Add	*27.68*	
		For >100 To 200, Deduct	*-7.62*	
		For >200 To 400, Deduct	*-15.23*	
		For >400, Deduct	*-22.85*	

03 31 13 00-0075 Place Concrete Coping *(03 31 13 00-0043)*

03 31 13 00-0076	CY	Crane And Bucket, Place 3,000 PSI Concrete Coping	695.18	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*205.62*	
		For >20 To 50, Add	*77.11*	
		For >100 To 200, Deduct	*-13.90*	
		For >200 To 400, Deduct	*-27.81*	
		For >400, Deduct	*-41.71*	
03 31 13 00-0077	CY	Direct Chute, Place 3,000 PSI Concrete Coping	401.10	
		For 2,000 PSI Concrete, Deduct	*-9.78*	
		For 2,500 PSI Concrete, Deduct	*-4.89*	
		For 3,500 PSI Concrete, Add	*9.06*	
		For 3,750 PSI Concrete, Add	*12.32*	
		For 4,000 PSI Concrete, Add	*15.58*	
		For 4,500 PSI Concrete, Add	*18.11*	
		For 5,000 PSI Concrete, Add	*20.65*	
		For 6,000 PSI Concrete, Add	*48.91*	
		For 7,500 PSI Concrete, Add	*121.45*	
		For White Cement Concrete, Add	*21.74*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*23.55*	
		For High Early Strength, Type 3 ASTM C150, Add	*18.11*	
		For Lightweight Aggregate, ASTM C330, Add	*63.40*	
		For Up To 20, Add	*87.99*	
		For >20 To 50, Add	*33.00*	
		For >100 To 200, Deduct	*-8.02*	
		For >200 To 400, Deduct	*-16.04*	
		For >400, Deduct	*-24.07*	
03 31 13 00-0078	CY	Concrete Pump, Place 3,000 PSI Concrete Coping	529.40	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	*-10.60*	
		For 2,500 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Add	*9.81*	
		For 3,750 PSI Concrete, Add	*13.34*	
		For 4,000 PSI Concrete, Add	*16.87*	
		For 4,500 PSI Concrete, Add	*19.62*	
		For 5,000 PSI Concrete, Add	*22.37*	
		For 6,000 PSI Concrete, Add	*52.98*	
		For 7,500 PSI Concrete, Add	*131.57*	
		For White Cement Concrete, Add	*23.55*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*25.51*	
		For High Early Strength, Type 3 ASTM C150, Add	*19.62*	
		For Lightweight Aggregate, ASTM C330, Add	*68.68*	
		For Up To 20, Add	*133.27*	
		For >20 To 50, Add	*49.98*	
		For >100 To 200, Deduct	*-10.59*	
		For >200 To 400, Deduct	*-21.18*	
		For >400, Deduct	*-31.76*	

03 31 13 00-0079 Concrete Carts *(03 31 13 00-0010)*

Note: Used to place concrete were necessary.

03 31 13 00-0080	CY	50' Haul, Non-Motorized, Concrete Buggy	25.87	
03 31 13 00-0081	CY	150' Haul, Non-Motorized, Concrete Buggy	34.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31 13 00-0082	CY	250' Haul, Non-Motorized, Concrete Buggy	46.19	
03 31 13 00-0083	CY	50' Haul, Motorized, Concrete Buggy	11.68	
03 31 13 00-0084	CY	150' Haul, Motorized, Concrete Buggy	15.65	
03 31 13 00-0085	CY	250' Haul, Motorized, Concrete Buggy	20.87	

03 31 13 00-0086 Delivery Fee For Small Concrete Purchases (Short Load) *(03 31 13)*

03 31 13 00-0087	CY	Delivery Fee For Small Concrete Purchases (Short Load) Per CY For Each CY Less Than 9 CY Note: The task quantity is 9 minus the number of CY's delivered. For example, the delivery fee for 2CY's is: (9-2) = 7.	27.00	

03 31 13 00-0088 Delivery Fee For Concrete, Per Truck Load *(03 31 13)*

03 31 13 00-0089	EA	Concrete Delivery Fee, Per Truck Note: To be added to all concrete leaving concrete yard	40.00	

03 31 13 00-0090 Equipment Pads *(03 31 13)*

03 31 13 00-0091 Small Concrete Equipment Housekeeping Pad Assemblies *(03 31 13 00-0090)*

Note: Includes forms, hand mix concrete, finish, curing and reinforcing. For up to 50 SF per pad and up to 5 pads per project. See CSI section 03 31 13 00-0002 for >50 SF concrete pads.

03 31 13 00-0092	SF	4" Equipment Pad With Welded Wire Reinforcement Assembly	20.62	
		For >5 To 20 Pads, Deduct		*-2.57*
		For >20 To 50 Pads, Deduct		*-4.72*
		For >50 Pads, Deduct		*-6.86*
03 31 13 00-0093	SF	4" Equipment Pad With Rebar Assembly	26.72	
		For >5 To 20 Pads, Deduct		*-2.97*
		For >20 To 50 Pads, Deduct		*-5.44*
		For >50 Pads, Deduct		*-7.91*
03 31 13 00-0094	SF	6" Equipment Pad With Rebar Assembly	33.35	
		For >5 To 20 Pads, Deduct		*-3.73*
		For >20 To 50 Pads, Deduct		*-6.84*
		For >50 Pads, Deduct		*-9.94*
03 31 13 00-0095	SF	8" Equipment Pad With Rebar Assembly	41.63	
		For >5 To 20 Pads, Deduct		*-4.74*
		For >20 To 50 Pads, Deduct		*-8.69*
		For >50 Pads, Deduct		*-12.64*

03 31 16 Lightweight Structural Concrete *(03 31)*

03 31 16 00-0001 Low Density Cellular / Foam Concrete Fill *(03 31 16)*

03 31 16 00-0002	CY	Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range	321.23	

03 35 Concrete Finishing *(03 30)*

03 35 13 High-Tolerance Concrete Floor Finishing *(03 35)*

03 35 13 00-0001 Floor Finishes *(03 35 13)*

Note: Task is for final finish type and includes all required prior finishes.

03 35 13 00-0002	SF	Screed, Concrete Floor Finish	1.13	
		For Up To 100, Add		*2.26*
		For >100 To 250, Add		*0.57*
		For >250 To 500, Add		*0.28*
		For >5,000 To 10,000, Deduct		*-0.06*
		For >10,000, Deduct		*-0.11*
03 35 13 00-0003	SF	Darby, Concrete Floor Finish	1.35	
		For Up To 100, Add		*2.70*
		For >100 To 250, Add		*0.68*
		For >250 To 500, Add		*0.34*
		For >5,000 To 10,000, Deduct		*-0.07*
		For >10,000, Deduct		*-0.14*
03 35 13 00-0004	SF	Broom, Concrete Floor Finish	1.49	
		For Up To 100, Add		*2.98*
		For >100 To 250, Add		*0.75*
		For >250 To 500, Add		*0.37*
		For >5,000 To 10,000, Deduct		*-0.07*
		For >10,000, Deduct		*-0.15*
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish	1.73	
		For Up To 100, Add		*3.46*
		For >100 To 250, Add		*0.87*
		For >250 To 500, Add		*0.43*
		For >5,000 To 10,000, Deduct		*-0.09*
		For >10,000, Deduct		*-0.17*
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish	1.95	
		For Up To 100, Add		*3.90*
		For >100 To 250, Add		*0.98*
		For >250 To 500, Add		*0.49*
		For >5,000 To 10,000, Deduct		*-0.10*
		For >10,000, Deduct		*-0.20*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 13 00-0007	SF	Concrete Floor Finishes, Machine	1.73	
		For Up To 100, Add	*3.46*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.43*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.17*	

03 35 16 Heavy-Duty Concrete Floor Finishing *(03 35)*

03 35 16 00-0001 Shake On Floor Hardeners *(03 35 16)*

03 35 16 00-0002	SF	0.3 Lb./SF, Metallic, Shake On Floor Hardener	1.39	
03 35 16 00-0003	SF	0.65 Lb./SF, Metallic, Shake On Floor Hardener	2.12	
03 35 16 00-0004	SF	0.3 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.32	
03 35 16 00-0005	SF	0.65 Lb./SF, Non-Metallic, Shake On Floor Hardener	1.58	

03 35 19 Colored Concrete Finishing *(03 35)*

03 35 19 00-0001 Concrete Surface Treatments *(03 35 19)*

03 35 19 00-0002	SF	Acrylic Latex Bonding Agent	0.57	
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent	3.38	
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproofer	0.40	
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproofer	0.42	

03 35 23 Exposed Aggregate Concrete Finishing *(03 35)*

03 35 23 00-0001 Exposed Aggregate, Concrete Finish *(03 35 23)*

03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish	4.18	

03 35 26 Grooved Concrete Surface Finishing *(03 35)*

03 35 26 00-0001 Ramp, Grooved Concrete Surface Finishing *(03 35 26)*

03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing	4.78	

03 35 29 Tooled Concrete Finishing *(03 35)*

03 35 29 00-0001 Solid Board Concrete Finish *(03 35 29)*

03 35 29 00-0002	SF	Solid Board Concrete, Non-Uniform Finish, 1 Use, Add To Formwork	18.77	

03 35 29 00-0003 Marblecrete Finishes *(03 35 29)*

03 35 29 00-0004	SF	2" Thick Marblecrete And Finish	43.96	
03 35 29 00-0005	SF	4" Thick Marblecrete And Finish	58.96	

03 35 33 Stamped Concrete Finishing *(03 35)*

03 35 33 00-0001 Stamped Concrete Finishes *(03 35 33)*

03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish	4.51	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish	4.09	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish	3.91	

03 35 43 Polished Concrete Finishing *(03 35)*

03 35 43 00-0001 Concrete Floor Polishing System *(03 35 43)*

Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.

03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels	2.13	
		For Up To 500, Add	*4.04*	
		For >500 To 1,000, Add	*3.74*	
		For >1,000 To 2,500, Add	*2.48*	
		For >2,500 To 4,000, Add	*1.29*	
		For >8,000 To 15,000, Deduct	*-0.50*	
		For >15,000 To 25,000, Deduct	*-0.63*	
		For >25,000, Deduct	*-0.89*	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels	1.71	
		For Up To 500, Add	*3.22*	
		For >500 To 1,000, Add	*2.99*	
		For >1,000 To 2,500, Add	*1.98*	
		For >2,500 To 4,000, Add	*1.03*	
		For >8,000 To 15,000, Deduct	*-0.40*	
		For >15,000 To 25,000, Deduct	*-0.51*	
		For >25,000, Deduct	*-0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels	1.43	
		For Up To 500, Add	*2.68*	
		For >500 To 1,000, Add	*2.48*	
		For >1,000 To 2,500, Add	*1.64*	
		For >2,500 To 4,000, Add	*0.86*	
		For >8,000 To 15,000, Deduct	*-0.33*	
		For >15,000 To 25,000, Deduct	*-0.42*	
		For >25,000, Deduct	*-0.59*	
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels	1.33	
		For Up To 500, Add	*2.48*	
		For >500 To 1,000, Add	*2.30*	
		For >1,000 To 2,500, Add	*1.52*	
		For >2,500 To 4,000, Add	*0.79*	
		For >8,000 To 15,000, Deduct	*-0.31*	
		For >15,000 To 25,000, Deduct	*-0.39*	
		For >25,000, Deduct	*-0.55*	
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels	1.23	
		For Up To 500, Add	*2.29*	
		For >500 To 1,000, Add	*2.12*	
		For >1,000 To 2,500, Add	*1.40*	
		For >2,500 To 4,000, Add	*0.73*	
		For >8,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 25,000, Deduct	*-0.36*	
		For >25,000, Deduct	*-0.51*	
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads	0.31	
		For Up To 500, Add	*0.50*	
		For >500 To 1,000, Add	*0.47*	
		For >1,000 To 2,500, Add	*0.31*	
		For >2,500 To 4,000, Add	*0.16*	
		For >8,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 25,000, Deduct	*-0.08*	
		For >25,000, Deduct	*-0.11*	
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing	0.62	
		For Up To 500, Add	*0.62*	
		For >500 To 1,000, Add	*0.58*	
		For >1,000 To 2,500, Add	*0.38*	
		For >2,500 To 4,000, Add	*0.20*	
		For >8,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 25,000, Deduct	*-0.10*	
		For >25,000, Deduct	*-0.14*	
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing	1.08	
		For Up To 500, Add	*0.91*	
		For >500 To 1,000, Add	*0.85*	
		For >1,000 To 2,500, Add	*0.56*	
		For >2,500 To 4,000, Add	*0.29*	
		For >8,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 25,000, Deduct	*-0.14*	
		For >25,000, Deduct	*-0.20*	
03 35 43 00-0013	SF	Concrete Floor Polishing Final Cleanup	0.16	
		For Up To 500, Add	*0.31*	
		For >500 To 1,000, Add	*0.29*	
		For >1,000 To 2,500, Add	*0.19*	
		For >2,500 To 4,000, Add	*0.10*	
		For >8,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 25,000, Deduct	*-0.05*	
		For >25,000, Deduct	*-0.07*	

03 35 63 Slip-Resistant Floor Finishing *(03 35)*

03 35 63 00-0001 Slip-Resistant Floor Finishing *(03 35 63)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 Lb./SF	1.73	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	
03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 Lb./SF	1.58	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.11*	

03 35 66 Acid Etch Floor Finishing *(03 35)*

03 35 66 00-0001 Acid Etch Floor *(03 35 66)*

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse	1.10	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.05*	

03 35 83 Concrete Wall Finishing *(03 35)*

03 35 83 00-0001 Wall Finishes *(03 35 83)*

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes	1.99	
		For Up To 100, Add	*3.78*	
		For >100 To 250, Add	*0.95*	
		For >250 To 500, Add	*0.47*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000, Deduct	*-0.19*	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes	2.98	
		For Up To 100, Add	*5.64*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.71*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000, Deduct	*-0.28*	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes	1.20	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000, Deduct	*-0.06*	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes	6.03	
		For Up To 100, Add	*11.96*	
		For >100 To 250, Add	*2.99*	
		For >250 To 500, Add	*1.50*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000, Deduct	*-0.60*	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes	9.34	
		For Up To 100, Add	*18.48*	
		For >100 To 250, Add	*4.62*	
		For >250 To 500, Add	*2.31*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000, Deduct	*-0.92*	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes	1.14	
		For Up To 100, Add	*2.02*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000, Deduct	*-0.10*	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes	3.89	
		For Up To 100, Add	*7.52*	
		For >100 To 250, Add	*1.88*	
		For >250 To 500, Add	*0.94*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000, Deduct	*-0.38*	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes	5.94	
		For Up To 100, Add	*11.62*	
		For >100 To 250, Add	*2.91*	
		For >250 To 500, Add	*1.45*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000, Deduct	*-0.58*	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 4.5 Lb. of sand or abrasive media material per SF	5.90	
		For Up To 100, Add	*9.50*	
		For >100 To 250, Add	*2.38*	
		For >250 To 500, Add	*1.19*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000, Deduct	*-0.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes Note: 9 Lb. of sand abrasive media material per SF	11.80	
		For Up To 100, Add	*19.02*	
		For >100 To 250, Add	*4.76*	
		For >250 To 500, Add	*2.38*	
		For >5,000 To 10,000, Deduct	*-0.48*	
		For >10,000, Deduct	*-0.95*	

03 37 Specialty Placed Concrete *(03 30)*

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

03 37 13 Shotcrete *(03 37)*

03 37 13 00-0001 Shotcrete, Fiber Reinforced, Structural Repair *(03 37 13)*

03 37 13 00-0002	SF	1" Thick Shotcrete, Fiber Reinforced	3.70	
		For Up To 25, Add	*0.70*	
		For >25 To 50, Add	*0.41*	
		For >50 To 150, Add	*0.17*	
03 37 13 00-0003	SF	2" Thick Shotcrete, Fiber Reinforced	6.94	
		For Up To 25, Add	*1.29*	
		For >25 To 50, Add	*0.74*	
		For >50 To 150, Add	*0.30*	
03 37 13 00-0004	SF	3" Thick Shotcrete, Fiber Reinforced	9.82	
		For Up To 25, Add	*1.79*	
		For >25 To 50, Add	*1.03*	
		For >50 To 150, Add	*0.40*	
03 37 13 00-0005	SF	4" Thick Shotcrete, Fiber Reinforced	12.36	
		For Up To 25, Add	*2.20*	
		For >25 To 50, Add	*1.26*	
		For >50 To 150, Add	*0.48*	
03 37 13 00-0006	SF	6" Thick Shotcrete, Fiber Reinforced	16.72	
		For Up To 25, Add	*2.84*	
		For >25 To 50, Add	*1.62*	
		For >50 To 150, Add	*0.59*	

03 37 13 00-0007 Gunite (Dry Mix Shotcrete), Sprayed *(03 37 13)*

See CSI section 03 22 11 00-0001 for wire mesh reinforcing.

03 37 13 00-0008	SF	1" Thick Gunite (Dry Mix Shotcrete), Sprayed	4.05	
		For Radius Or Irregular Surface, Add	*1.22*	
		For Up To 25, Add	*0.86*	
		For >25 To 50, Add	*0.51*	
		For >50 To 150, Add	*0.23*	
03 37 13 00-0009	SF	2" Thick Gunite (Dry Mix Shotcrete), Sprayed	7.48	
		For Radius Or Irregular Surface, Add	*2.18*	
		For Up To 25, Add	*1.57*	
		For >25 To 50, Add	*0.92*	
		For >50 To 150, Add	*0.41*	
03 37 13 00-0010	SF	3" Thick Gunite (Dry Mix Shotcrete), Sprayed	10.39	
		For Radius Or Irregular Surface, Add	*2.94*	
		For Up To 25, Add	*2.14*	
		For >25 To 50, Add	*1.26*	
		For >50 To 150, Add	*0.55*	
03 37 13 00-0011	SF	4" Thick Gunite (Dry Mix Shotcrete), Sprayed	12.88	
		For Radius Or Irregular Surface, Add	*3.53*	
		For Up To 25, Add	*2.61*	
		For >25 To 50, Add	*1.53*	
		For >50 To 150, Add	*0.66*	
03 37 13 00-0012	SF	5" Thick Gunite (Dry Mix Shotcrete), Sprayed	15.00	
		For Radius Or Irregular Surface, Add	*3.98*	
		For Up To 25, Add	*2.99*	
		For >25 To 50, Add	*1.74*	
		For >50 To 150, Add	*0.75*	
03 37 13 00-0013	SF	6" Thick Gunite (Dry Mix Shotcrete), Sprayed	16.81	
		For Radius Or Irregular Surface, Add	*4.30*	
		For Up To 25, Add	*3.29*	
		For >25 To 50, Add	*1.91*	
		For >50 To 150, Add	*0.81*	
03 37 13 00-0014	SF	8" Thick Gunite (Dry Mix Shotcrete), Sprayed	20.97	
		For Radius Or Irregular Surface, Add	*5.15*	
		For Up To 25, Add	*4.03*	
		For >25 To 50, Add	*2.34*	
		For >50 To 150, Add	*0.97*	
03 37 13 00-0015	SF	10" Thick Gunite (Dry Mix Shotcrete), Sprayed	24.60	
		For Radius Or Irregular Surface, Add	*5.80*	
		For Up To 25, Add	*4.63*	
		For >25 To 50, Add	*2.68*	
		For >50 To 150, Add	*1.09*	
03 37 13 00-0016	SF	12" Thick Gunite (Dry Mix Shotcrete), Sprayed	27.79	
		For Radius Or Irregular Surface, Add	*6.26*	
		For Up To 25, Add	*5.13*	
		For >25 To 50, Add	*2.95*	
		For >50 To 150, Add	*1.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

03 37 16 Pumped Concrete *(03 37)*

03 37 16 00-0001 Concrete Pumping With Boom Truck *(03 37 16)*

Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for cleanup of equipment add one hour. Use four hours as the minimum cost including set-up and cleanup. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.

03 37 16 00-0002	HR	55' To 60' Boom Truck For Concrete Placement Note: 95 CY per hour rating	249.87	
03 37 16 00-0003	HR	70' To 80' Boom Truck For Concrete Placement Note: 117 CY per hour rating	269.35	
03 37 16 00-0004	HR	90' To 100' Boom Truck For Concrete Placement Note: 117 CY per hour rating	339.70	
03 37 16 00-0005	HR	105' To 115' Boom Truck For Concrete Placement Note: 117 CY per hour rating	383.50	
03 37 16 00-0006	HR	120' To 130' Boom Truck For Concrete Placement Note: 170 CY per hour rating	428.70	
03 37 16 00-0007	HR	135' To 140' Boom Truck For Concrete Placement Note: 170 CY per hour rating	524.42	
03 37 16 00-0008	HR	148' To 155' Boom Truck For Concrete Placement Note: 170 CY per hour rating	581.53	
03 37 16 00-0009	HR	170' To 175' Boom Truck For Concrete Placement Note: 182 CY per hour rating	719.86	
03 37 16 00-0010	HR	35 CY/HR, 66 HP Trailer Mounted Concrete Pump Note: Includes hoses	166.95	

03 39 Concrete Curing *(03 30)*

03 39 13 Water Concrete Curing *(03 39)*

03 39 13 00-0001 Water Concrete Curing *(03 39 13)*

03 39 13 00-0002	SF	Water Based Curing, Sealing, Hardening And Dustproofing Compound Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	0.37	

03 39 23 Membrane Concrete Curing *(03 39)*

03 39 23 23 Sheet Membrane Concrete Curing *(03 39 23)*

03 39 23 23-0001 Warm Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0002	CSF	Warm Weather Concrete Curing Blankets	35.22	

03 39 23 23-0003 Cold Weather Concrete Curing Blankets *(03 39 23 23)*

03 39 23 23-0004	CSF	Electric, Cold Weather Concrete Curing Blanket	183.53	
03 39 23 23-0005	CSF	Non-Electric, Cold Weather Concrete Curing Blanket	39.34	

03 40 Precast Concrete *(03)*

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

03 41 Precast Structural Concrete *(03 40)*

03 41 16 Precast Concrete Slabs *(03 41)*

03 41 16 00-0001 Flat Floor Slab/Floor Plank *(03 41 16)*

03 41 16 00-0002 Erection Costs For Using A 90 Ton Crawler Crane *(03 41 16 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0003	EA	Erect Precast Floor Deck, 0-2 Ton/Piece 150' Maximum Radius With 90 Ton Crane	378.16	302.55
03 41 16 00-0004	EA	Erect Precast Floor Deck, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	420.38	336.25
03 41 16 00-0005	EA	Erect Precast Floor Deck, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	446.38	357.09
03 41 16 00-0006	EA	Erect Precast Floor Deck, 4-5 Ton/Piece 88' Maximum Radius With 90 Ton Crane	473.22	378.60
03 41 16 00-0007	EA	Erect Precast Floor Deck, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	506.42	405.12
03 41 16 00-0008	EA	Erect Precast Floor Deck, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	541.23	432.99
03 41 16 00-0009	EA	Erect Precast Floor Deck, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	581.20	464.92
03 41 16 00-0010	EA	Erect Precast Floor Deck, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	632.11	505.65
03 41 16 00-0011	EA	Erect Precast Floor Deck, 9-10 Ton/Piece 60' Maximum Radius With 90 Ton Crane	687.29	549.90

03 41 16 00-0012 Material Cost *(03 41 16 00-0001)*

Note: Includes cost for 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations cost.

03 41 16 00-0013	SF	4" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	34.65
		For 3,500 PSI Concrete, Add	*0.69*
		For 4,000 PSI Concrete, Add	*1.04*
		For 4,500 PSI Concrete, Add	*1.39*
		For 5,000 PSI Concrete, Add	*2.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0014	SF	5" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	41.58	
		For 3,500 PSI Concrete, Add	*0.83*	
		For 4,000 PSI Concrete, Add	*1.25*	
		For 4,500 PSI Concrete, Add	*1.66*	
		For 5,000 PSI Concrete, Add	*2.49*	
03 41 16 00-0015	SF	6" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	50.82	
		For 3,500 PSI Concrete, Add	*1.02*	
		For 4,000 PSI Concrete, Add	*1.52*	
		For 4,500 PSI Concrete, Add	*2.03*	
		For 5,000 PSI Concrete, Add	*3.05*	
03 41 16 00-0016	SF	8" Thick 3,000 PSI Concrete, Precast Floor Slab Or Plank, Ready To Erect	67.45	
		For 3,500 PSI Concrete, Add	*1.35*	
		For 4,000 PSI Concrete, Add	*2.02*	
		For 4,500 PSI Concrete, Add	*2.70*	
		For 5,000 PSI Concrete, Add	*4.05*	

03 41 16 00-0017 Floor Units, Combination Beam And Slab *(03 41 16)*

03 41 16 00-0018 Erection Costs For Using 90 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0019	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 88' Maximum Radius With 90 Ton Crane	464.83	371.85
03 41 16 00-0020	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 60' Maximum Radius With 90 Ton Crane	506.64	405.36
03 41 16 00-0021	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 43' Maximum Radius With 90 Ton Crane	559.98	447.93
03 41 16 00-0022	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 36' Maximum Radius With 90 Ton Crane	621.79	497.40
03 41 16 00-0023	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 31' Maximum Radius With 90 Ton Crane	698.95	559.11

03 41 16 00-0024 Erection Costs Using A 125 Ton Crawler Crane *(03 41 16 00-0017)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 16 00-0025	EA	Erect Precast Comb Deck, 0-5 Ton/Piece Beam And Slab, 110' Maximum Radius, 125 Ton Crane	585.04	468.07
03 41 16 00-0026	EA	Erect Precast Comb Deck, 5-10 Ton/Piece Beam And Slab, 75' Maximum Radius, 125 Ton Crane	637.67	510.10
03 41 16 00-0027	EA	Erect Precast Comb Deck, 10-15 Ton/Piece Beam And Slab, 55' Maximum Radius, 125 Ton Crane	704.79	563.88
03 41 16 00-0028	EA	Erect Precast Comb Deck, 15-20 Ton/Piece Beam And Slab, 50' Maximum Radius, 125 Ton Crane	782.60	626.10
03 41 16 00-0029	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 40' Maximum Radius, 125 Ton Crane	879.71	703.84
03 41 16 00-0030	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 33' Maximum Radius, 125 Ton Crane	956.50	765.15
03 41 16 00-0031	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 30' Maximum Radius, 125 Ton Crane	1,057.19	845.75
03 41 16 00-0032	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 28' Maximum Radius, 125 Ton Crane	1,170.09	936.14
03 41 16 00-0033	EA	Erect Precast Comb Deck, 20-25 Ton/Piece Beam And Slab, 26' Maximum Radius, 125 Ton Crane	1,324.38	1,059.52

03 41 16 00-0034 Material Cost *(03 41 16 00-0017)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operation.

03 41 16 00-0035 4" Slab *(03 41 16 00-0034)*

03 41 16 00-0036	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,649.76	
		For 3,500 PSI Concrete, Add	*73.00*	
		For 4,000 PSI Concrete, Add	*109.49*	
		For 4,500 PSI Concrete, Add	*145.99*	
		For 5,000 PSI Concrete, Add	*218.99*	
03 41 16 00-0037	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,695.96	
		For 3,500 PSI Concrete, Add	*73.92*	
		For 4,000 PSI Concrete, Add	*110.88*	
		For 4,500 PSI Concrete, Add	*147.84*	
		For 5,000 PSI Concrete, Add	*221.76*	
03 41 16 00-0038	CY	Precast Combination Deck, 4" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,157.96	
		For 3,500 PSI Concrete, Add	*83.16*	
		For 4,000 PSI Concrete, Add	*124.74*	
		For 4,500 PSI Concrete, Add	*166.32*	
		For 5,000 PSI Concrete, Add	*249.48*	

03 41 16 00-0039 5" Slab *(03 41 16 00-0034)*

03 41 16 00-0040	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,742.16	
		For 3,500 PSI Concrete, Add	*74.84*	
		For 4,000 PSI Concrete, Add	*112.26*	
		For 4,500 PSI Concrete, Add	*149.69*	
		For 5,000 PSI Concrete, Add	*224.53*	
03 41 16 00-0041	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	3,880.76	
		For 3,500 PSI Concrete, Add	*77.62*	
		For 4,000 PSI Concrete, Add	*116.42*	
		For 4,500 PSI Concrete, Add	*155.23*	
		For 5,000 PSI Concrete, Add	*232.85*	
03 41 16 00-0042	CY	Precast Combination Deck, 5" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	4,943.35	
		For 3,500 PSI Concrete, Add	*98.87*	
		For 4,000 PSI Concrete, Add	*148.30*	
		For 4,500 PSI Concrete, Add	*197.73*	
		For 5,000 PSI Concrete, Add	*296.60*	

03 41 16 00-0043 6" Slab *(03 41 16 00-0034)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 16 00-0044	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam Only, 3,000 PSI Concrete	3,880.76	
		For 3,500 PSI Concrete, Add	*77.62*	
		For 4,000 PSI Concrete, Add	*116.42*	
		For 4,500 PSI Concrete, Add	*155.23*	
		For 5,000 PSI Concrete, Add	*232.85*	
03 41 16 00-0045	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 1 Interim Beam, 3,000 PSI Concrete	4,619.96	
		For 3,500 PSI Concrete, Add	*92.40*	
		For 4,000 PSI Concrete, Add	*138.60*	
		For 4,500 PSI Concrete, Add	*184.80*	
		For 5,000 PSI Concrete, Add	*277.20*	
03 41 16 00-0046	CY	Precast Combination Deck, 6" Slab With Beams Edge Beam + 2 Interim Beam, 3,000 PSI Concrete	5,636.35	
		For 3,500 PSI Concrete, Add	*112.73*	
		For 4,000 PSI Concrete, Add	*169.09*	
		For 4,500 PSI Concrete, Add	*225.45*	
		For 5,000 PSI Concrete, Add	*338.18*	

03 41 19 Precast Concrete Wall Panels *(03 41)*

03 41 19 00-0001 Structural Wall Panels *(03 41 19)*

Note: Gray, smooth form or board finish one side.

03 41 19 00-0002 Erection Cost Using 50 Ton Hydraulic Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0003	EA	Erect Precast Wall Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	373.16	298.56
03 41 19 00-0004	EA	Erect Precast Wall Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	414.83	331.81
03 41 19 00-0005	EA	Erect Precast Wall Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	466.97	373.60
03 41 19 00-0006	EA	Erect Precast Wall Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	499.73	399.77
03 41 19 00-0007	EA	Erect Precast Wall Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	534.09	427.27
03 41 19 00-0008	EA	Erect Precast Wall Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	573.52	458.78
03 41 19 00-0009	EA	Erect Precast Wall Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	623.76	498.97
03 41 19 00-0010	EA	Erect Precast Wall Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	678.21	542.63

03 41 19 00-0011 Erection Cost Using 90 Ton Crawler Crane *(03 41 19 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0012	EA	Erect Precast Wall Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	418.14	334.48
03 41 19 00-0013	EA	Erect Precast Wall Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	464.83	371.85
03 41 19 00-0014	EA	Erect Precast Wall Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	523.25	418.67
03 41 19 00-0015	EA	Erect Precast Wall Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	559.98	447.93
03 41 19 00-0016	EA	Erect Precast Wall Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	598.47	478.78
03 41 19 00-0017	EA	Erect Precast Wall Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	642.66	514.15
03 41 19 00-0018	EA	Erect Precast Wall Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	698.95	559.11
03 41 19 00-0019	EA	Erect Precast Wall Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	759.96	607.91
03 41 19 00-0020	EA	Erect Precast Wall Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	839.96	672.02
03 41 19 00-0021	EA	Erect Precast Wall Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	929.67	743.70
03 41 19 00-0022	EA	Erect Precast Wall Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,052.26	841.85
03 41 19 00-0023	EA	Erect Precast Wall Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,196.94	957.55
03 41 19 00-0024	EA	Erect Precast Wall Panel 35-40 Ton/Piece 23' Maximum Radius With 90 Ton Crane	1,387.76	1,110.23

03 41 19 00-0025 Material Cost *(03 41 19 00-0001)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0026	SF	4" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	46.20
		For 3,500 PSI Concrete, Add	*0.92*
		For 4,000 PSI Concrete, Add	*1.39*
		For 4,500 PSI Concrete, Add	*1.85*
		For 5,000 PSI Concrete, Add	*2.77*
		For White Facing, Add	*9.24*
		For Solid White Through Thickness, Add	*9.24*
		For Broken Rib Finish, Add	*4.62*
		For Fluted Surface, Add	*4.62*
		For Exposed Aggregate, Add	*9.24*
		For Sandblasting Of Surface, Add	*4.62*
		For 2" Polystyrene Insulation, Add	*2.19*
03 41 19 00-0027	SF	5" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	56.82
		For 3,500 PSI Concrete, Add	*1.14*
		For 4,000 PSI Concrete, Add	*1.70*
		For 4,500 PSI Concrete, Add	*2.27*
		For 5,000 PSI Concrete, Add	*3.41*
		For White Facing, Add	*11.36*
		For Solid White Through Thickness, Add	*11.36*
		For Broken Rib Finish, Add	*5.68*
		For Fluted Surface, Add	*5.68*
		For Exposed Aggregate, Add	*11.36*
		For Sandblasting Of Surface, Add	*5.68*
		For 2" Polystyrene Insulation, Add	*2.19*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0028	SF	6" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	68.38	
		For 3,500 PSI Concrete, Add	*1.37*	
		For 4,000 PSI Concrete, Add	*2.05*	
		For 4,500 PSI Concrete, Add	*2.74*	
		For 5,000 PSI Concrete, Add	*4.10*	
		For White Facing, Add	*13.68*	
		For Solid White Through Thickness, Add	*13.68*	
		For Broken Rib Finish, Add	*6.84*	
		For Fluted Surface, Add	*6.84*	
		For Exposed Aggregate, Add	*13.68*	
		For Sandblasting Of Surface, Add	*6.84*	
		For 2" Polystyrene Insulation, Add	*2.19*	
03 41 19 00-0029	SF	8" Thick 3,000 PSI Concrete, Precast Wall Panel, Ready To Erect	90.09	
		For 3,500 PSI Concrete, Add	*1.80*	
		For 4,000 PSI Concrete, Add	*2.70*	
		For 4,500 PSI Concrete, Add	*3.60*	
		For 5,000 PSI Concrete, Add	*5.41*	
		For White Facing, Add	*18.02*	
		For Solid White Through Thickness, Add	*18.02*	
		For Broken Rib Finish, Add	*9.01*	
		For Fluted Surface, Add	*9.01*	
		For Exposed Aggregate, Add	*18.02*	
		For Sandblasting Of Surface, Add	*9.01*	
		For 2" Polystyrene Insulation, Add	*2.19*	

03 41 19 00-0030 Partition Panels *(03 41 19)*

03 41 19 00-0031 Erection Costs Using 20 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0032	EA	Erect Precast Partition Wall 0-1 Ton/Piece 69' Maximum Radius With 20 Ton Crane	298.24	238.56
03 41 19 00-0033	EA	Erect Precast Partition Wall 1-2 Ton/Piece 50' Maximum Radius With 20 Ton Crane	331.55	265.26
03 41 19 00-0034	EA	Erect Precast Partition Wall 2-3 Ton/Piece 41' Maximum Radius With 20 Ton Crane	373.22	298.56
03 41 19 00-0035	EA	Erect Precast Partition Wall 3-4 Ton/Piece 33' Maximum Radius With 20 Ton Crane	426.86	341.49
03 41 19 00-0036	EA	Erect Precast Partition Wall 4-5 Ton/Piece 30' Maximum Radius With 20 Ton Crane	458.37	366.73
03 41 19 00-0037	EA	Erect Precast Partition Wall 5-6 Ton/Piece 26' Maximum Radius With 20 Ton Crane	498.53	398.81
03 41 19 00-0038	EA	Erect Precast Partition Wall 6-7 Ton/Piece 23' Maximum Radius With 20 Ton Crane	542.05	433.69
03 41 19 00-0039	EA	Erect Precast Partition Wall 7-8 Ton/Piece 20' Maximum Radius With 20 Ton Crane	599.10	479.31

03 41 19 00-0040 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0030)*

Note: Includes handling, hoisting in place, alignment, bracing and permanent connections. Excludes grouting or caulking of joints.

03 41 19 00-0041	EA	Erect Precast Partition Wall 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	373.16	298.56
03 41 19 00-0042	EA	Erect Precast Partition Wall 1-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	414.83	331.81
03 41 19 00-0043	EA	Erect Precast Partition Wall 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	466.97	373.60
03 41 19 00-0044	EA	Erect Precast Partition Wall 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	534.09	427.27
03 41 19 00-0045	EA	Erect Precast Partition Wall 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	573.52	458.78
03 41 19 00-0046	EA	Erect Precast Partition Wall 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	623.76	498.97
03 41 19 00-0047	EA	Erect Precast Partition Wall 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	678.21	542.63
03 41 19 00-0048	EA	Erect Precast Partition Wall 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	749.61	599.66
03 41 19 00-0049	EA	Erect Precast Partition Wall 8-10 Ton/Piece 31' Maximum Radius With 50 Ton Crane	829.65	663.74
03 41 19 00-0050	EA	Erect Precast Partition Wall 10-12 Ton/Piece 26' Maximum Radius With 50 Ton Crane	939.06	751.20
03 41 19 00-0051	EA	Erect Precast Partition Wall 12-14 Ton/Piece 25' Maximum Radius With 50 Ton Crane	1,068.18	854.55
03 41 19 00-0052	EA	Erect Precast Partition Wall 14-16 Ton/Piece 21' Maximum Radius With 50 Ton Crane	1,238.47	990.74

03 41 19 00-0053 Material Cost *(03 41 19 00-0030)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast plant operations.

03 41 19 00-0054	SF	4" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	43.89	
		For 4,000 PSI Concrete, Add	*1.32*	
		For 4,500 PSI Concrete, Add	*1.76*	
		For 5,000 PSI Concrete, Add	*2.63*	
		For White Facing, Add	*8.78*	
		For Solid White Through Thickness, Add	*8.78*	
		For Broken Rib Finish, Add	*4.39*	
		For Fluted Surface, Add	*4.39*	
		For Exposed Aggregate, Add	*8.78*	
		For Sandblasting Of Surface, Add	*4.39*	
03 41 19 00-0055	SF	5" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	54.05	
		For 4,000 PSI Concrete, Add	*1.62*	
		For 4,500 PSI Concrete, Add	*2.16*	
		For 5,000 PSI Concrete, Add	*3.24*	
		For White Facing, Add	*10.81*	
		For Solid White Through Thickness, Add	*10.81*	
		For Broken Rib Finish, Add	*5.41*	
		For Fluted Surface, Add	*5.41*	
		For Exposed Aggregate, Add	*10.81*	
		For Sandblasting Of Surface, Add	*5.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0056	SF	6" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	64.68	
		For 4,000 PSI Concrete, Add	*1.94*	
		For 4,500 PSI Concrete, Add	*2.59*	
		For 5,000 PSI Concrete, Add	*3.88*	
		For White Facing, Add	*12.94*	
		For Solid White Through Thickness, Add	*12.94*	
		For Broken Rib Finish, Add	*6.47*	
		For Fluted Surface, Add	*6.47*	
		For Exposed Aggregate, Add	*12.94*	
		For Sandblasting Of Surface, Add	*6.47*	
03 41 19 00-0057	SF	8" Thick 3,000 PSI Concrete, Precast Partition Wall, Ready To Erect	85.47	
		For 4,000 PSI Concrete, Add	*2.56*	
		For 4,500 PSI Concrete, Add	*3.42*	
		For 5,000 PSI Concrete, Add	*5.13*	
		For White Facing, Add	*17.09*	
		For Solid White Through Thickness, Add	*17.09*	
		For Broken Rib Finish, Add	*8.55*	
		For Fluted Surface, Add	*8.55*	
		For Exposed Aggregate, Add	*17.09*	
		For Sandblasting Of Surface, Add	*8.55*	

03 41 19 00-0058 Cladding Panels *(03 41 19)*

03 41 19 00-0059 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0060	EA	Erect Precast Cladding 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	393.80	314.98
03 41 19 00-0061	EA	Erect Precast Cladding 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	440.49	352.37
03 41 19 00-0062	EA	Erect Precast Cladding 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	499.73	399.77
03 41 19 00-0063	EA	Erect Precast Cladding 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	534.09	427.27
03 41 19 00-0064	EA	Erect Precast Cladding 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	573.52	458.78
03 41 19 00-0065	EA	Erect Precast Cladding 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	623.76	498.97
03 41 19 00-0066	EA	Erect Precast Cladding 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	678.21	542.63
03 41 19 00-0067	EA	Erect Precast Cladding 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	749.61	599.66

03 41 19 00-0068 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0058)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0069	EA	Erect Precast Cladding 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	441.27	352.97
03 41 19 00-0070	EA	Erect Precast Cladding 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	493.59	394.85
03 41 19 00-0071	EA	Erect Precast Cladding 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	559.98	447.93
03 41 19 00-0072	EA	Erect Precast Cladding 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	598.47	478.78
03 41 19 00-0073	EA	Erect Precast Cladding 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	642.66	514.15
03 41 19 00-0074	EA	Erect Precast Cladding 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	698.95	559.11
03 41 19 00-0075	EA	Erect Precast Cladding 11-13 Ton/Piece 90' Maximum Radius With 90 Ton Crane	759.96	607.91
03 41 19 00-0076	EA	Erect Precast Cladding 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	839.96	672.02
03 41 19 00-0077	EA	Erect Precast Cladding 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	929.67	743.70
03 41 19 00-0078	EA	Erect Precast Cladding 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	1,052.26	841.85
03 41 19 00-0079	EA	Erect Precast Cladding 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,196.94	957.55
03 41 19 00-0080	EA	Erect Precast Cladding 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,387.76	1,110.23

03 41 19 00-0081 Material Cost *(03 41 19 00-0058)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.

03 41 19 00-0082	SF	4" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	43.89	
		For 3,500 PSI Concrete, Add	*0.88*	
		For 4,000 PSI Concrete, Add	*1.32*	
		For 4,500 PSI Concrete, Add	*1.76*	
		For 5,000 PSI Concrete, Add	*2.63*	
		For White Facing, Add	*8.78*	
		For Solid White Through Thickness, Add	*8.78*	
		For Broken Rib Finish, Add	*4.39*	
		For Fluted Surface, Add	*4.39*	
		For Exposed Aggregate, Add	*8.78*	
		For Sandblasting Of Surface, Add	*4.39*	
03 41 19 00-0083	SF	5" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	54.05	
		For 3,500 PSI Concrete, Add	*1.08*	
		For 4,000 PSI Concrete, Add	*1.62*	
		For 4,500 PSI Concrete, Add	*2.16*	
		For 5,000 PSI Concrete, Add	*3.24*	
		For White Facing, Add	*10.81*	
		For Solid White Through Thickness, Add	*10.81*	
		For Broken Rib Finish, Add	*5.41*	
		For Fluted Surface, Add	*5.41*	
		For Exposed Aggregate, Add	*10.81*	
		For Sandblasting Of Surface, Add	*5.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0084	SF	6" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	64.68	
		For 3,500 PSI Concrete, Add	*1.29*	
		For 4,000 PSI Concrete, Add	*1.94*	
		For 4,500 PSI Concrete, Add	*2.59*	
		For 5,000 PSI Concrete, Add	*3.88*	
		For White Facing, Add	*12.94*	
		For Solid White Through Thickness, Add	*12.94*	
		For Broken Rib Finish, Add	*6.47*	
		For Fluted Surface, Add	*6.47*	
		For Exposed Aggregate, Add	*12.94*	
		For Sandblasting Of Surface, Add	*6.47*	
03 41 19 00-0085	SF	8" Thick 3,000 PSI Concrete, Precast Cladding Panel, Ready To Erect	85.47	
		For 3,500 PSI Concrete, Add	*1.71*	
		For 4,000 PSI Concrete, Add	*2.56*	
		For 4,500 PSI Concrete, Add	*3.42*	
		For 5,000 PSI Concrete, Add	*5.13*	
		For White Facing, Add	*17.09*	
		For Solid White Through Thickness, Add	*17.09*	
		For Broken Rib Finish, Add	*8.55*	
		For Fluted Surface, Add	*8.55*	
		For Exposed Aggregate, Add	*17.09*	
		For Sandblasting Of Surface, Add	*8.55*	

03 41 19 00-0086 Sandwich Panel *(03 41 19)*

03 41 19 00-0087 Erection Costs Using 50 Ton Hydraulic Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0088	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 100' Maximum Radius With 50 Ton Crane	393.80	314.98
03 41 19 00-0089	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	440.49	352.37
03 41 19 00-0090	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	499.73	399.77
03 41 19 00-0091	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	534.09	427.27
03 41 19 00-0092	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	573.52	458.78
03 41 19 00-0093	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 30' Maximum Radius With 50 Ton Crane	623.76	498.97
03 41 19 00-0094	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 25' Maximum Radius With 50 Ton Crane	678.21	542.63
03 41 19 00-0095	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 23' Maximum Radius With 50 Ton Crane	749.61	599.66

03 41 19 00-0096 Erection Costs Using 90 Ton Crawler Crane *(03 41 19 00-0086)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 19 00-0097	EA	Erect Precast Sandwich Panel 0-1 Ton/Piece 180' Maximum Radius With 90 Ton Crane	399.07	319.19
03 41 19 00-0098	EA	Erect Precast Sandwich Panel 1-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	446.38	357.09
03 41 19 00-0099	EA	Erect Precast Sandwich Panel 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	506.42	405.12
03 41 19 00-0100	EA	Erect Precast Sandwich Panel 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	541.23	432.99
03 41 19 00-0101	EA	Erect Precast Sandwich Panel 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	581.20	464.92
03 41 19 00-0102	EA	Erect Precast Sandwich Panel 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	632.11	505.65
03 41 19 00-0103	EA	Erect Precast Sandwich Panel 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	687.29	549.90
03 41 19 00-0104	EA	Erect Precast Sandwich Panel 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	759.64	607.68
03 41 19 00-0105	EA	Erect Precast Sandwich Panel 15-20 Ton/Piece 36' Maximum Radius With 90 Ton Crane	840.75	672.62
03 41 19 00-0106	EA	Erect Precast Sandwich Panel 20-25 Ton/Piece 31' Maximum Radius With 90 Ton Crane	951.63	761.25
03 41 19 00-0107	EA	Erect Precast Sandwich Panel 25-30 Ton/Piece 26' Maximum Radius With 90 Ton Crane	1,082.48	865.98
03 41 19 00-0108	EA	Erect Precast Sandwich Panel 30-35 Ton/Piece 25' Maximum Radius With 90 Ton Crane	1,255.04	1,004.00

03 41 19 00-0109 Material Cost *(03 41 19 00-0086)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations. Sandwich panel consists of 2.5" cladding panel, 2" fiber board insulation and the structural panel as defined.

03 41 19 00-0110	SF	4" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	60.06	
		For 3,500 PSI Concrete, Add	*1.20*	
		For 4,000 PSI Concrete, Add	*1.80*	
		For 4,500 PSI Concrete, Add	*2.40*	
		For 5,000 PSI Concrete, Add	*3.60*	
		For White Facing, Add	*12.01*	
		For Solid White Through Thickness, Add	*12.01*	
		For Broken Rib Finish, Add	*6.01*	
		For Fluted Surface, Add	*6.01*	
		For Exposed Aggregate, Add	*12.01*	
		For Sandblasting Of Surface, Add	*6.01*	
03 41 19 00-0111	SF	5" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	70.69	
		For 3,500 PSI Concrete, Add	*1.41*	
		For 4,000 PSI Concrete, Add	*2.12*	
		For 4,500 PSI Concrete, Add	*2.83*	
		For 5,000 PSI Concrete, Add	*4.24*	
		For White Facing, Add	*14.14*	
		For Solid White Through Thickness, Add	*14.14*	
		For Broken Rib Finish, Add	*7.07*	
		For Fluted Surface, Add	*7.07*	
		For Exposed Aggregate, Add	*14.14*	
		For Sandblasting Of Surface, Add	*7.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 19 00-0112	SF	6" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	82.24	
		For 3,500 PSI Concrete, Add	*1.64*	
		For 4,000 PSI Concrete, Add	*2.47*	
		For 4,500 PSI Concrete, Add	*3.29*	
		For 5,000 PSI Concrete, Add	*4.93*	
		For White Facing, Add	*16.45*	
		For Solid White Through Thickness, Add	*16.45*	
		For Broken Rib Finish, Add	*8.22*	
		For Fluted Surface, Add	*8.22*	
		For Exposed Aggregate, Add	*16.45*	
		For Sandblasting Of Surface, Add	*8.22*	
03 41 19 00-0113	SF	8" Thick 3,000 PSI Concrete, Precast Sandwich Panel, Ready To Erect	103.95	
		For 3,500 PSI Concrete, Add	*2.08*	
		For 4,000 PSI Concrete, Add	*3.12*	
		For 4,500 PSI Concrete, Add	*4.16*	
		For 5,000 PSI Concrete, Add	*6.24*	
		For White Facing, Add	*20.79*	
		For Solid White Through Thickness, Add	*20.79*	
		For Broken Rib Finish, Add	*10.40*	
		For Fluted Surface, Add	*10.40*	
		For Exposed Aggregate, Add	*20.79*	
		For Sandblasting Of Surface, Add	*10.40*	

03 41 23 Precast Concrete Stairs *(03 41)*

03 41 23 00-0001 Erection Costs Using A 50 Ton Hydraulic Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0002	EA	Erect Precast Stairs, 0-2 Ton/Piece 82' Maximum Radius With 50 Ton Crane	414.83	331.81
03 41 23 00-0003	EA	Erect Precast Stairs, 2-3 Ton/Piece 65' Maximum Radius With 50 Ton Crane	440.49	352.37
03 41 23 00-0004	EA	Erect Precast Stairs, 3-4 Ton/Piece 57' Maximum Radius With 50 Ton Crane	466.97	373.60
03 41 23 00-0005	EA	Erect Precast Stairs, 4-5 Ton/Piece 50' Maximum Radius With 50 Ton Crane	499.73	399.77
03 41 23 00-0006	EA	Erect Precast Stairs, 5-6 Ton/Piece 44' Maximum Radius With 50 Ton Crane	534.09	427.27
03 41 23 00-0007	EA	Erect Precast Stairs, 6-7 Ton/Piece 40' Maximum Radius With 50 Ton Crane	573.52	458.78
03 41 23 00-0008	EA	Erect Precast Stairs, 7-8 Ton/Piece 36' Maximum Radius With 50 Ton Crane	623.76	498.97
03 41 23 00-0009	EA	Erect Precast Stairs, 8-9 Ton/Piece 33' Maximum Radius With 50 Ton Crane	678.21	542.63

03 41 23 00-0010 Erection Costs Using A 90 Ton Crawler Crane *(03 41 23)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 23 00-0011	EA	Erect Precast Stairs, 0-2 Ton/Piece 151' Maximum Radius With 90 Ton Crane	414.83	331.81
03 41 23 00-0012	EA	Erect Precast Stairs, 2-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	440.49	352.37
03 41 23 00-0013	EA	Erect Precast Stairs, 3-4 Ton/Piece 105' Maximum Radius With 90 Ton Crane	466.97	373.60
03 41 23 00-0014	EA	Erect Precast Stairs, 4-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	499.73	399.77
03 41 23 00-0015	EA	Erect Precast Stairs, 5-6 Ton/Piece 82' Maximum Radius With 90 Ton Crane	534.09	427.27
03 41 23 00-0016	EA	Erect Precast Stairs, 6-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	573.52	458.78
03 41 23 00-0017	EA	Erect Precast Stairs, 7-8 Ton/Piece 70' Maximum Radius With 90 Ton Crane	623.76	498.97
03 41 23 00-0018	EA	Erect Precast Stairs, 8-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	678.21	542.63

03 41 23 00-0019 Material Cost *(03 41 23)*

Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork and precast operations.

03 41 23 00-0020	EA	3' Wide With 10-1/2" Depth Treads Precast Concrete Stair Unit, Per Riser	925.89	
		For 3,500 PSI Concrete, Add	*120.83*	
		For 4,000 PSI Concrete, Add	*227.03*	
		For 4,500 PSI Concrete, Add	*333.69*	
		For 5,000 PSI Concrete, Add	*453.96*	

03 41 26 Precast Concrete Structural Sections *(03 41)*

03 41 26 00-0001 Precast Beams, Girder And Joists *(03 41 26)*

03 41 26 00-0002 Erection Costs Using A 90 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0003	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 89' Maximum Radius, 90 Ton Crane	523.25	418.67
03 41 26 00-0004	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 60' Maximum Radius, 90 Ton Crane	559.98	447.93
03 41 26 00-0005	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 43' Maximum Radius, 90 Ton Crane	598.47	478.78
03 41 26 00-0006	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 36' Maximum Radius, 90 Ton Crane	642.66	514.15

03 41 26 00-0007 Erection Costs Using A 125 Ton Crawler Crane *(03 41 26 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.

03 41 26 00-0008	EA	Erect Precast Structural Sections, 0-5 Ton/Piece Beam, Girder, Joist; 110' Maximum Radius, 125 Ton Crane	658.58	526.82
03 41 26 00-0009	EA	Erect Precast Structural Sections, 5-10 Ton/Piece Beam, Girder, Joist; 75' Maximum Radius, 125 Ton Crane	704.79	563.88
03 41 26 00-0010	EA	Erect Precast Structural Sections, 10-15 Ton/Piece Beam, Girder, Joist; 55' Maximum Radius, 125 Ton Crane	753.25	602.60
03 41 26 00-0011	EA	Erect Precast Structural Sections, 15-20 Ton/Piece Beam, Girder, Joist; 50' Maximum Radius, 125 Ton Crane	808.86	647.04
03 41 26 00-0012	EA	Erect Precast Structural Sections, 20-25 Ton/Piece Beam, Girder, Joist; 40' Maximum Radius, 125 Ton Crane	879.71	703.84
03 41 26 00-0013	EA	Erect Precast Structural Sections, 25-30 Ton/Piece Beam, Girder, Joist; 33' Maximum Radius, 125 Ton Crane	956.50	765.15
03 41 26 00-0014	EA	Erect Precast Structural Sections, 30-35 Ton/Piece Beam, Girder, Joist; 30' Maximum Radius, 125 Ton Crane	1,057.19	845.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0015	EA	Erect Precast Structural Sections, 35-40 Ton/Piece Beam, Girder, Joist; 28' Maximum Radius, 125 Ton Crane	1,170.09	936.14
03 41 26 00-0016		**Material Cost** *(03 41 26 00-0001)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast plant operations.		
03 41 26 00-0017		**1,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0018	LF	Precast Structural Sections, 1,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	185.15	
		For 3,500 PSI Concrete, Add	*5.05*	
		For 4,000 PSI Concrete, Add	*7.59*	
		For 4,500 PSI Concrete, Add	*10.11*	
		For 5,000 PSI Concrete, Add	*15.18*	
03 41 26 00-0019	LF	Precast Structural Sections, 1,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	231.44	
		For 3,500 PSI Concrete, Add	*6.32*	
		For 4,000 PSI Concrete, Add	*9.49*	
		For 4,500 PSI Concrete, Add	*12.64*	
		For 5,000 PSI Concrete, Add	*18.98*	
03 41 26 00-0020	LF	Precast Structural Sections, 1,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	277.73	
		For 3,500 PSI Concrete, Add	*7.58*	
		For 4,000 PSI Concrete, Add	*11.39*	
		For 4,500 PSI Concrete, Add	*15.16*	
		For 5,000 PSI Concrete, Add	*22.77*	
03 41 26 00-0021		**3,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0022	LF	Precast Structural Sections, 3,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	231.44	
		For 3,500 PSI Concrete, Add	*6.32*	
		For 4,000 PSI Concrete, Add	*9.49*	
		For 4,500 PSI Concrete, Add	*12.64*	
		For 5,000 PSI Concrete, Add	*18.98*	
03 41 26 00-0023	LF	Precast Structural Sections, 3,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	277.73	
		For 3,500 PSI Concrete, Add	*7.58*	
		For 4,000 PSI Concrete, Add	*11.39*	
		For 4,500 PSI Concrete, Add	*15.16*	
		For 5,000 PSI Concrete, Add	*22.77*	
03 41 26 00-0024	LF	Precast Structural Sections, 3,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	370.30	
		For 3,500 PSI Concrete, Add	*10.11*	
		For 4,000 PSI Concrete, Add	*15.18*	
		For 4,500 PSI Concrete, Add	*20.22*	
		For 5,000 PSI Concrete, Add	*30.36*	
03 41 26 00-0025		**5,000 Lb./LF Live Load** *(03 41 26 00-0016)*		
03 41 26 00-0026	LF	Precast Structural Sections, 5,000 Lb./LF, 15' Span Live Load, Span, 3,000 PSI	324.01	
		For 3,500 PSI Concrete, Add	*8.85*	
		For 4,000 PSI Concrete, Add	*13.28*	
		For 4,500 PSI Concrete, Add	*17.69*	
		For 5,000 PSI Concrete, Add	*26.57*	
03 41 26 00-0027	LF	Precast Structural Sections, 5,000 Lb./LF, 20' Span Live Load, Span, 3,000 PSI	370.30	
		For 3,500 PSI Concrete, Add	*10.11*	
		For 4,000 PSI Concrete, Add	*15.18*	
		For 4,500 PSI Concrete, Add	*20.22*	
		For 5,000 PSI Concrete, Add	*30.36*	
03 41 26 00-0028	LF	Precast Structural Sections, 5,000 Lb./LF, 30' Span Live Load, Span, 3,000 PSI	462.87	
		For 3,500 PSI Concrete, Add	*12.64*	
		For 4,000 PSI Concrete, Add	*18.98*	
		For 4,500 PSI Concrete, Add	*25.27*	
		For 5,000 PSI Concrete, Add	*37.96*	
03 41 26 00-0029		**Precast Concrete Columns** *(03 41 26)*		
03 41 26 00-0030		**Erection Costs Using A 90 Ton Crawler Crane** *(03 41 26 00-0029)* Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting or caulking joints.		
03 41 26 00-0031	EA	Erect Precast Concrete Columns, 0-3 Ton/Piece 121' Maximum Radius With 90 Ton Crane	302.79	242.20
03 41 26 00-0032	EA	Erect Precast Concrete Columns, 3-5 Ton/Piece 89' Maximum Radius With 90 Ton Crane	321.93	257.49
03 41 26 00-0033	EA	Erect Precast Concrete Columns, 5-7 Ton/Piece 75' Maximum Radius With 90 Ton Crane	345.01	276.03
03 41 26 00-0034	EA	Erect Precast Concrete Columns, 7-9 Ton/Piece 65' Maximum Radius With 90 Ton Crane	370.08	296.05
03 41 26 00-0035	EA	Erect Precast Concrete Columns, 9-11 Ton/Piece 55' Maximum Radius With 90 Ton Crane	399.07	319.19
03 41 26 00-0036	EA	Erect Precast Concrete Columns, 11-13 Ton/Piece 50' Maximum Radius With 90 Ton Crane	432.99	346.39
03 41 26 00-0037	EA	Erect Precast Concrete Columns, 13-15 Ton/Piece 43' Maximum Radius With 90 Ton Crane	473.22	378.60
03 41 26 00-0038		**Material Cost** *(03 41 26 00-0029)* Note: Includes cost of 3000 PSI concrete, reinforcing steel, imbedded items, formwork, and precast operations.		
03 41 26 00-0039		**12" x 12" Column, Square, Tied** *(03 41 26 00-0038)*		
03 41 26 00-0040	CY	12" x 12" Precast Column, Tied, Average Reinforced 351 Lb./CY	958.30	
		For 3,500 PSI Concrete, Add	*71.87*	
		For 4,000 PSI Concrete, Add	*135.12*	
		For 4,500 PSI Concrete, Add	*199.33*	
		For 5,000 PSI Concrete, Add	*271.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 26 00-0041		16" x 16" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0042	CY	16" x 16" Precast Column, Tied, Average Reinforced 368 Lb./CY	981.97	
		For 3,500 PSI Concrete, Add	*73.65*	
		For 4,000 PSI Concrete, Add	*138.46*	
		For 4,500 PSI Concrete, Add	*204.25*	
		For 5,000 PSI Concrete, Add	*277.90*	
03 41 26 00-0043		20" x 20" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0044	CY	20" x 20" Precast Column, Tied, Average Reinforced 357 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 26 00-0045		24" x 24" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0046	CY	24" x 24" Precast Column, Tied, Average Reinforced 365 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 26 00-0047		28" x 28" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0048	CY	28" x 28" Precast Column, Tied, Average Reinforced 347 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 26 00-0049		32" x 32" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0050	CY	32" x 32" Precast Column, Tied, Average Reinforced 351 Lb./CY	981.97	
		For 3,500 PSI Concrete, Add	*73.65*	
		For 4,000 PSI Concrete, Add	*138.46*	
		For 4,500 PSI Concrete, Add	*204.25*	
		For 5,000 PSI Concrete, Add	*277.90*	
03 41 26 00-0051		36" x 36" Column, Square, Tied *(03 41 26 00-0038)*		
03 41 26 00-0052	CY	36" x 36" Precast Column, Tied, Average Reinforced 278 Lb./CY	983.86	
		For 3,500 PSI Concrete, Add	*73.79*	
		For 4,000 PSI Concrete, Add	*138.72*	
		For 4,500 PSI Concrete, Add	*204.64*	
		For 5,000 PSI Concrete, Add	*278.43*	
03 41 33		**Precast Structural Pretensioned Concrete** *(03 41)*		
03 41 33 00-0001		Slabs, Roof And Floor Members *(03 41 33)*		
03 41 33 00-0002	SF	4" Thick Precast Prestressed Slab, 12-16' Span Roof/Floor	19.49	2.48
03 41 33 00-0003	SF	6" Thick Precast Prestressed Slab, 16-25' Span Roof/Floor	24.31	2.48
03 41 33 00-0004	SF	8" Thick Precast Prestressed Slab, 25-32' Span Roof/Floor	29.13	2.60
03 41 33 00-0005	SF	10" Thick Precast Prestressed Slab, 32-40' Span Roof/Floor	33.98	2.73
03 41 33 00-0006		Tee Members *(03 41 33)*		
03 41 33 00-0007		Multiple Tee, Roof And Floor *(03 41 33 00-0006)*		
03 41 33 00-0008	SF	Prestressed Multiple Tee, Roof And Floor Members	43.88	3.22
03 41 33 00-0009		Double Tee Wall Member *(03 41 33 00-0006)*		
03 41 33 00-0010	SF	Prestressed Double Tee Wall Members Precast Concrete, <40' Span	61.95	8.81
03 41 33 00-0011		Single Tee, Short Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0012	SF	Prestressed Single Tee, Short Span Roof Precast Concrete Members, <40' Span	51.53	5.34
03 41 33 00-0013		Single Tee, Long Span, Roof Members *(03 41 33 00-0006)*		
03 41 33 00-0014	SF	Prestressed Single Tee, Long Span Roof Precast Concrete Members, <40' Span	61.88	4.59
03 41 33 00-0015		Prestressed Concrete Items *(03 41 33)*		
03 41 33 00-0016		Prestressed Quad Tee *(03 41 33 00-0015)*		
03 41 33 00-0017	SF	Tees, Prestressed Quad Tee, Short Spans, Roof	31.81	1.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0018	SF	Tees, Prestressed Quad Tee, Short Spans, Floor	33.20	1.00
03 41 33 00-0019		**Prestressed Double Tee** *(03 41 33 00-0015)*		
03 41 33 00-0020	SF	Tees, Double Tee, Floor Members , 60' Span	52.91	0.87
03 41 33 00-0021	SF	Tees, Double Tee, Floor Members , 80' Span	72.88	0.87
03 41 33 00-0022	SF	Tees, Double Tee, Roof Members, 30' Span	36.08	1.49
03 41 33 00-0023	SF	Tees, Double Tee, Roof Members, 50' Span	55.94	1.00
03 41 33 00-0024	SF	Tees, Double Tee, Wall Members, Up To 55' High	39.08	1.98
03 41 33 00-0025		**Prestressed Single Tee** *(03 41 33 00-0015)*		
03 41 33 00-0026	SF	Tees, Single Tee Roof Members, 40' Span	62.57	2.23
03 41 33 00-0027	SF	Tees, Single Tee Roof Members, 80' Span	72.53	1.37
03 41 33 00-0028	SF	Tees, Single Tee Roof Members, 100' Span	95.97	1.24
03 41 33 00-0029	SF	Tees, Single Tee Roof Members, 120' Span	101.06	1.24
03 41 33 00-0030		**Prestressed Double Tee Floor Members** *(03 41 33 00-0015)*		
03 41 33 00-0031	EA	Tees, Double Tees, Floor Members, Lightweight, 20" X 8' Wide, 45'	16,186.70	357.37
03 41 33 00-0032	EA	Tees, Double Tees, Floor Members, Lightweight, 24" X 8' Wide, 50'	17,625.11	397.08
03 41 33 00-0033	EA	Tees, Double Tees, Floor Members, Lightweight, 32" X 10' Wide, 60'	29,492.04	446.72
03 41 33 00-0034	EA	Tees, Double Tees, Floor Members, Standard Weight, 12" X 8' Wide, 25'	6,331.81	324.98
03 41 33 00-0035	EA	Tees, Double Tees, Floor Members, Standard Weight, 16" X 8' Wide, 25'	8,316.73	357.37
03 41 33 00-0036	EA	Tees, Double Tees, Floor Members, Standard Weight, 18" X 8' Wide, 35'	10,631.43	357.37
03 41 33 00-0037	EA	Tees, Double Tees, Floor Members, Standard Weight, 20" X 8' Wide, 45'	11,838.37	397.08
03 41 33 00-0038	EA	Tees, Double Tees, Floor Members, Standard Weight, 24" X 8' Wide, 50'	15,140.92	446.72
03 41 33 00-0039	EA	Tees, Double Tees, Floor Members, Standard Weight, 32" X 10' Wide, 60'	27,257.42	510.74
03 41 33 00-0040		**Prestressed Double Tee Roof Members** *(03 41 33 00-0015)*		
03 41 33 00-0041	EA	Tees, Double Tees, Roof Members, Lightweight, 20" X 8' Wide, 45'	12,714.66	357.37
03 41 33 00-0042	EA	Tees, Double Tees, Roof Members, Lightweight, 24" X 8' Wide, 50'	16,699.23	397.08
03 41 33 00-0043	EA	Tees, Double Tees, Roof Members, Lightweight, 32" X 10' Wide, 60'	27,408.81	446.72
03 41 33 00-0044	EA	Tees, Double Tees, Roof Members, Standard Weight, 12" X 8' Wide, 30'	8,507.62	324.98
03 41 33 00-0045	EA	Tees, Double Tees, Roof Members, Standard Weight, 16" X 8' Wide, 30'	8,964.85	357.37
03 41 33 00-0046	EA	Tees, Double Tees, Roof Members, Standard Weight, 18" X 8' Wide, 30'	9,937.02	357.37
03 41 33 00-0047	EA	Tees, Double Tees, Roof Members, Standard Weight, 20" X 8' Wide, 40'	10,218.08	397.08
03 41 33 00-0048	EA	Tees, Double Tees, Roof Members, Standard Weight, 24" X 8' Wide, 50'	13,520.63	446.72
03 41 33 00-0049	EA	Tees, Double Tees, Roof Members, Standard Weight, 32" X 10' Wide, 60'	23,322.44	510.74
03 41 33 00-0050		**Plant Produced Pretensioned Prestressed Concrete Hollow Core Slab** *(03 41 33)*		
03 41 33 00-0051	SF	Hollow Core Slab, 4" Slab, 12' - 16' Spans, Plant Produced Pretensioned Prestressed Concrete	33.62	
03 41 33 00-0052	SF	Hollow Core Slab, 6" Slab, 16' - 25' Spans, Plant Produced Pretensioned Prestressed Concrete	34.99	
03 41 33 00-0053	SF	Hollow Core Slab, 8" Slab, 25' - 30' Spans, Plant Produced Pretensioned Prestressed Concrete	36.62	
03 41 33 00-0054	SF	Hollow Core Slab, 10" Slab, 30' - 35' Spans, Plant Produced Pretensioned Prestressed Concrete	37.81	
03 41 33 00-0055	SF	Hollow Core Slab, 12" Slab, 35' - 40' Spans, Plant Produced Pretensioned Prestressed Concrete	40.39	
03 41 33 00-0056		**Double And Single Tees** *(03 41 33)*		
03 41 33 00-0057		**Double And Single Tees With 16" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0058	SF	Double Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	40.61	
03 41 33 00-0059	SF	Double Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	39.65	
03 41 33 00-0060	SF	Double Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	37.45	
03 41 33 00-0061	SF	Double Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	40.61	
03 41 33 00-0062	SF	Double Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.49	
03 41 33 00-0063	SF	Single Tee With 16" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	62.28	
03 41 33 00-0064	SF	Single Tee With 16" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	60.90	
03 41 33 00-0065	SF	Single Tee With 16" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	57.03	
03 41 33 00-0066	SF	Single Tee With 16" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	62.28	
03 41 33 00-0067	SF	Single Tee With 16" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	58.40	
03 41 33 00-0068		**Double And Single Tees With 24" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0069	SF	Double Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	41.86	
03 41 33 00-0070	SF	Double Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	40.90	
03 41 33 00-0071	SF	Double Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	39.53	
03 41 33 00-0072	SF	Double Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	41.86	
03 41 33 00-0073	SF	Double Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	40.49	
03 41 33 00-0074	SF	Single Tee With 24" Roof Loading, 30' Span, Pretensioned Prestressed Concrete	63.94	
03 41 33 00-0075	SF	Single Tee With 24" Roof Loading, 40' Span, Pretensioned Prestressed Concrete	62.57	
03 41 33 00-0076	SF	Single Tee With 24" Roof Loading, 45' Span, Pretensioned Prestressed Concrete	60.37	
03 41 33 00-0077	SF	Single Tee With 24" Floor Loading, 30' Span, Pretensioned Prestressed Concrete	63.94	
03 41 33 00-0078	SF	Single Tee With 24" Floor Loading, 40' Span, Pretensioned Prestressed Concrete	62.16	
03 41 33 00-0079		**Double And Single Tees With 32" Roof And Floor Loading** *(03 41 33 00-0056)*		
03 41 33 00-0080	SF	Double Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	44.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 41 33 00-0081	SF	Double Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	42.73	
03 41 33 00-0082	SF	Double Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	41.34	
03 41 33 00-0083	SF	Single Tee With 32" Roof Load, 50' Span, Pretensioned Prestressed Concrete	67.86	
03 41 33 00-0084	SF	Single Tee With 32" Roof Load, 60' Span, Pretensioned Prestressed Concrete	65.65	
03 41 33 00-0085	SF	Single Tee With 32" Roof Load, 70' Span, Pretensioned Prestressed Concrete	63.01	

03 48 Precast Concrete Specialties *(03 40)*

03 48 16 Precast Concrete Splash Blocks *(03 48)*

03 48 16 00-0001 Precast Concrete Splash Blocks *(03 48 16)*

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3"	42.82	4.15

03 48 21 Precast Concrete Handrails *(03 48)*

03 48 21 00-0001 Installation Cost *(03 48 21)*

Note: Includes handling, hoisting into place, alignment, and permanent connections. Excludes grouting.

03 48 21 00-0002	EA	Install Precast Handrails, 0-2 Ton/Handrail	170.19	76.62
03 48 21 00-0003	EA	Install Precast Handrails, Over 2 Ton/Handrail	204.11	91.82

03 48 21 00-0004 Material Cost *(03 48 21)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast operations.

03 48 21 00-0005	CY	4" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,657.34
		For 3,500 PSI Concrete, Add	*238.64*
		For 4,000 PSI Concrete, Add	*448.39*
		For 4,500 PSI Concrete, Add	*659.05*
		For 5,000 PSI Concrete, Add	*896.60*
03 48 21 00-0006	CY	5" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,796.23
		For 3,500 PSI Concrete, Add	*247.70*
		For 4,000 PSI Concrete, Add	*465.42*
		For 4,500 PSI Concrete, Add	*684.08*
		For 5,000 PSI Concrete, Add	*930.65*
03 48 21 00-0007	CY	6" Thick 3,000 PSI Concrete Precast Concrete Handrail	3,935.12
		For 3,500 PSI Concrete, Add	*256.77*
		For 4,000 PSI Concrete, Add	*482.45*
		For 4,500 PSI Concrete, Add	*709.11*
		For 5,000 PSI Concrete, Add	*964.69*
03 48 21 00-0008	CY	8" Thick 3,000 PSI Concrete Precast Concrete Handrail	4,120.30
		For 3,500 PSI Concrete, Add	*268.85*
		For 4,000 PSI Concrete, Add	*505.15*
		For 4,500 PSI Concrete, Add	*742.48*
		For 5,000 PSI Concrete, Add	*1,010.09*

03 48 22 Precast Concrete Sun Screen and Trellis *(03 48)*

03 48 22 00-0001 Sun Screen Blades *(03 48 22)*

03 48 22 00-0002 Installation Cost *(03 48 22 00-0001)*

Note: Includes handling, hoisting into place, alignment, bracing, and permanent connections.

03 48 22 00-0003	EA	Install Precast Sun Screen Blade, 0-1 Ton/Each	85.10	38.31
03 48 22 00-0004	EA	Install Precast Sun Screen Blade, 1-2 Ton/Each	102.24	45.97
03 48 22 00-0005	EA	Install Precast Sun Screen Blade, 2-3 Ton/Each	127.74	57.53

03 48 22 00-0006 Material Cost *(03 48 22 00-0001)*

Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.

03 48 22 00-0007	CY	4" Thick 3,000 PSI Concrete Precast Sun Screen Blades	3,888.82
		For 3,500 PSI Concrete, Add	*253.75*
		For 4,000 PSI Concrete, Add	*476.77*
		For 4,500 PSI Concrete, Add	*700.77*
		For 5,000 PSI Concrete, Add	*953.34*
03 48 22 00-0008	CY	5" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,027.71
		For 3,500 PSI Concrete, Add	*262.81*
		For 4,000 PSI Concrete, Add	*493.80*
		For 4,500 PSI Concrete, Add	*725.79*
		For 5,000 PSI Concrete, Add	*987.39*
03 48 22 00-0009	CY	6" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,212.89
		For 3,500 PSI Concrete, Add	*274.89*
		For 4,000 PSI Concrete, Add	*516.50*
		For 4,500 PSI Concrete, Add	*759.16*
		For 5,000 PSI Concrete, Add	*1,032.79*
03 48 22 00-0010	CY	8" Thick 3,000 PSI Concrete Precast Sun Screen Blades	4,398.07
		For 3,500 PSI Concrete, Add	*286.97*
		For 4,000 PSI Concrete, Add	*539.20*
		For 4,500 PSI Concrete, Add	*792.53*
		For 5,000 PSI Concrete, Add	*1,078.19*

03 48 22 00-0011 Sun Screen/Trellis Units *(03 48 22)*

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 22 00-0012		Installation Cost Using A 50 Ton Hydraulic Crane *(03 48 22 00-0011)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent to connections.		
03 48 22 00-0013	EA	Install Precast Trellis, 0-1 Tons/Unit 100' Maximum Radius With 50 Ton Crane	393.80	177.19
03 48 22 00-0014	EA	Install Precast Trellis, 1-3 Tons/Unit 65' Maximum Radius With 50 Ton Crane	440.49	198.28
03 48 22 00-0015	EA	Install Precast Trellis, 3-5 Tons/Unit 50' Maximum Radius With 50 Ton Crane	499.73	224.85
03 48 22 00-0016	EA	Install Precast Trellis, 5-7 Tons/Unit 40' Maximum Radius With 50 Ton Crane	534.09	240.34
03 48 22 00-0017		Material Cost *(03 48 22 00-0011)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 22 00-0018	CY	4" Thick 3,000 PSI Concrete Precast Trellises Blades	4,490.66	
		For 3,500 PSI Concrete, Add	*293.02*	
		For 4,000 PSI Concrete, Add	*550.55*	
		For 4,500 PSI Concrete, Add	*809.22*	
		For 5,000 PSI Concrete, Add	*1,100.89*	
03 48 22 00-0019	CY	5" Thick 3,000 PSI Concrete Precast Trellises Blades	4,629.55	
		For 3,500 PSI Concrete, Add	*302.08*	
		For 4,000 PSI Concrete, Add	*567.58*	
		For 4,500 PSI Concrete, Add	*834.24*	
		For 5,000 PSI Concrete, Add	*1,134.93*	
03 48 22 00-0020	CY	6" Thick 3,000 PSI Concrete Precast Trellises Blades	4,814.73	
		For 3,500 PSI Concrete, Add	*314.16*	
		For 4,000 PSI Concrete, Add	*590.29*	
		For 4,500 PSI Concrete, Add	*867.61*	
		For 5,000 PSI Concrete, Add	*1,180.33*	
03 48 22 00-0021	CY	8" Thick 3,000 PSI Concrete Precast Trellises Blades	5,046.21	
		For 3,500 PSI Concrete, Add	*329.27*	
		For 4,000 PSI Concrete, Add	*618.67*	
		For 4,500 PSI Concrete, Add	*909.33*	
		For 5,000 PSI Concrete, Add	*1,237.08*	
03 48 24		**Precast Minaret Segments** *(03 48)*		
03 48 24 00-0001		Installation Costs Using A 50 Ton Hydraulic Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 24 00-0002		L - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0003	EA	Install Minaret, L-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	383.20	306.56
03 48 24 00-0004	EA	Install Minaret, L-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	429.42	343.55
03 48 24 00-0005	EA	Install Minaret, L-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	485.54	388.42
03 48 24 00-0006	EA	Install Minaret, L-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	517.90	414.32
03 48 24 00-0007		O - Shaped Segments *(03 48 24 00-0001)*		
03 48 24 00-0008	EA	Install Minaret, O-Shape Segment, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	405.00	324.06
03 48 24 00-0009	EA	Install Minaret, O-Shape Segment, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	454.54	363.58
03 48 24 00-0010	EA	Install Minaret, O-Shape Segment, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	514.78	411.78
03 48 24 00-0011	EA	Install Minaret, O-Shape Segment, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	551.32	441.03
03 48 24 00-0012		Platform Segment *(03 48 24 00-0001)*		
03 48 24 00-0013	EA	Install Minaret, Platform Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	776.86	621.55
03 48 24 00-0014	EA	Install Minaret, Platform Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	939.06	751.20
03 48 24 00-0015	EA	Install Minaret, Platform Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	1,042.13	833.72
03 48 24 00-0016	EA	Install Minaret, Platform Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	1,170.61	936.53
03 48 24 00-0017		Cap Segment *(03 48 24 00-0001)*		
03 48 24 00-0018	EA	Install Minaret, Cap Segments, 0-1 Ton/Each 100' Maximum Radius With 50 Ton Crane	425.14	340.08
03 48 24 00-0019	EA	Install Minaret, Cap Segments, 1-3 Ton/Each 65' Maximum Radius With 50 Ton Crane	474.75	379.74
03 48 24 00-0020	EA	Install Minaret, Cap Segments, 3-5 Ton/Each 50' Maximum Radius With 50 Ton Crane	540.86	432.61
03 48 24 00-0021	EA	Install Minaret, Cap Segments, 5-7 Ton/Each 40' Maximum Radius With 50 Ton Crane	577.40	461.85
03 48 24 00-0022		Installation Costs Using A 90 Ton Crawler Crane *(03 48 24)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections. Excludes grouting and caulking of joints.		
03 48 24 00-0023		L - Shaped Segments *(03 48 24 00-0022)*		
03 48 24 00-0024	EA	Install Minaret, L-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	388.33	310.67
03 48 24 00-0025	EA	Install Minaret, L-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	435.16	348.15
03 48 24 00-0026	EA	Install Minaret, L-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	492.04	393.62
03 48 24 00-0027	EA	Install Minaret, L-Shaped Segments, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	524.83	419.86
03 48 24 00-0028		O - Shaped Segment *(03 48 24 00-0022)*		
03 48 24 00-0029	EA	Install Minaret, O-Shaped Segments, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	410.42	328.40
03 48 24 00-0030	EA	Install Minaret, O-Shaped Segments, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	460.63	368.45
03 48 24 00-0031	EA	Install Minaret, O-Shaped Segments, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	521.67	417.29
03 48 24 00-0032	EA	Install Minaret, O-Shaped Segments, 5-7 Ton/Each 795' Maximum Radius With 90 Ton Crane	558.70	446.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 24 00-0033		**Platform Segment** *(03 48 24 00-0022)*		
03 48 24 00-0034	EA	Install Minaret, Platform Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	627.52	502.00
03 48 24 00-0035	EA	Install Minaret, Platform Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	759.64	607.68
03 48 24 00-0036	EA	Install Minaret, Platform Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	840.75	672.62
03 48 24 00-0037	EA	Install Minaret, Platform Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	951.63	761.25
03 48 24 00-0038		**Cap Segment** *(03 48 24 00-0022)*		
03 48 24 00-0039	EA	Install Minaret, Cap Segment, 0-1 Ton/Each 180' Maximum Radius With 90 Ton Crane	430.83	344.63
03 48 24 00-0040	EA	Install Minaret, Cap Segment, 1-3 Ton/Each 135' Maximum Radius With 90 Ton Crane	481.10	384.82
03 48 24 00-0041	EA	Install Minaret, Cap Segment, 3-5 Ton/Each 100' Maximum Radius With 90 Ton Crane	548.09	438.40
03 48 24 00-0042	EA	Install Minaret, Cap Segment, 5-7 Ton/Each 79' Maximum Radius With 90 Ton Crane	585.12	468.03
03 48 24 00-0043		**Material Costs** *(03 48 24)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 24 00-0044	CY	Precast Concrete Minaret, L-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 24 00-0045	CY	Precast Concrete Minaret, O-Shaped Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 24 00-0046	CY	Precast Concrete Minaret, Platform Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 24 00-0047	CY	Precast Concrete Minaret, Cap Segments, 3,000 PSI Concrete Note: Including Post Tension Cost	11,110.30	
03 48 29		**Precast Accessories** *(03 48)*		
		Note: Includes installation labor, material and equipment.		
03 48 29 00-0001		**Bearing Pads For Precast Members** *(03 48 29)*		
03 48 29 00-0002		**Continuous 2" Wide Strips** *(03 48 29 00-0001)*		
03 48 29 00-0003	LF	Bearing Pads, Continuous 2" Wide x 1/8" Thick Strips Note: For precast members	1.36	
03 48 29 00-0004	LF	Bearing Pads, Continuous 2" Wide x 1/4" Thick Strips Note: For precast members.	1.89	
03 48 29 00-0005	LF	Bearing Pads, Continuous 2" Wide x 1/2" Thick Strips Note: For precast members	3.04	
03 48 29 00-0006	LF	Bearing Pads, Continuous 2" Wide x 3/4" Thick Strips Note: For precast members	4.23	
03 48 29 00-0007	LF	Bearing Pads, Continuous 2" Wide x 1" Thick Strips Note: For precast members	5.46	
03 48 29 00-0008	LF	Bearing Pads, Continuous 2" Wide x 1-1/2" Thick Strips Note: For precast members	7.80	
03 48 29 00-0009		**Bearing Pad Pipe Supports** *(03 48 29)*		
03 48 29 00-0010	LF	8" Diameter Precast Balustrade, Decorative Shapes	98.56	
03 48 29 00-0011	LF	Precast Rail Cap, <1 SF Cross Section	63.14	
03 48 29 00-0012	LF	4" x 4" Precast Pipe Support	13.96	
03 48 46		**Precast Skylight Shells** *(03 48)*		
03 48 46 00-0001		**Installation Cost Using A 90 Ton Crawler Crane** *(03 48 46)*		
		Note: Includes handling, hoisting into place, alignment, bracing and permanent connections.		
03 48 46 00-0002	EA	Install Precast Skylight Shell, 0-4 Tons/Each Based On 90 Ton Crawler Crane	559.98	252.03
03 48 46 00-0003	EA	Install Precast Skylight Shell, 4-6 Tons/Each Based On 90 Ton Crawler Crane	621.79	279.82
03 48 46 00-0004	EA	Install Precast Skylight Shell, 6-8 Tons/Each Based On 90 Ton Crawler Crane	698.95	314.53
03 48 46 00-0005		**Material Cost** *(03 48 46)*		
		Note: Includes 3000 PSI concrete, imbedded items, formwork and precast concrete operations.		
03 48 46 00-0006	CY	3.5" Thick 3,000 PSI Concrete Precast Skylight With 4.4' Radius	4,648.20	
03 48 49		**Precast Landings** *(03 48)*		
03 48 49 00-0001	SF	3" Thick Precast Landing	114.22	
03 48 49 00-0002	SF	4" Thick Precast Landing	133.28	
03 48 49 00-0003	SF	5" Thick Precast Landing	151.29	
03 48 49 00-0004	SF	6" Thick Precast Landing	174.38	
03 48 54		**Precast Concrete Blocks** *(03 48)*		
03 48 54 00-0001		**Precast Interlocking Concrete Blocks** *(03 48 54)*		
		Note: Includes lifting loop		
03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block	162.15	45.75
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block	193.15	51.46
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block	224.13	57.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block	302.81	62.90
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block	364.34	68.62

03 50 Cast Decks and Underlayment *(03)*

03 51 Cast Roof Decks *(03 50)*

03 51 13 Cementitious Wood Fiber Decks *(03 51)*

03 51 13 00-0001 Cement Fiber Tongue And Groove Planks *(03 51 13)*

03 51 13 00-0002	SF	1" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.21	
03 51 13 00-0003	SF	1-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.37	
03 51 13 00-0004	SF	2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	4.58	
03 51 13 00-0005	SF	2-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.17	
03 51 13 00-0006	SF	3" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	5.83	
03 51 13 00-0007	SF	3-1/2" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	6.56	
03 51 13 00-0008	SF	4" Thick Cementitious Fiber Tongue And Groove Planks, Cement Wood Fiber System	7.47	

03 51 16 Gypsum Concrete Roof Decks *(03 51)*

03 51 16 00-0001 Class A Gypsum Fill Concrete Deck *(03 51 16)*

03 51 16 00-0002	SF	2" Thick Precast Gypsum Fill Concrete Deck, Class A	12.79	0.62
03 51 16 00-0003	SF	2-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	15.86	0.73
03 51 16 00-0004	SF	3" Thick Precast Gypsum Fill Concrete Deck, Class A	18.94	0.83
03 51 16 00-0005	SF	3-1/2" Thick Precast Gypsum Fill Concrete Deck, Class A	22.05	0.93
03 51 16 00-0006	SF	4" Thick Precast Gypsum Fill Concrete Deck, Class A	25.18	1.03

03 51 16 00-0007 Form Board For Lightweight Deck *(03 51 16)*

03 51 16 00-0008	SF	Gypsum Deck Form Board, 1/2" Drywall For Lightweight Deck	2.50	
03 51 16 00-0009	SF	Gypsum Deck Form Board, 1" Mineral Fiber Board For Lightweight Deck	3.30	
03 51 16 00-0010	SF	Gypsum Deck Form Board, 1-1/2" Mineral Fiber Board For Lightweight Deck	6.72	
03 51 16 00-0011	SF	Gypsum Deck Form Board, 1" Cementitious Fiber Board For Lightweight Deck	2.76	0.68
03 51 16 00-0012	SF	Gypsum Deck Form Board, 1-1/2" Cementitious Fiber Board For Lightweight Deck	3.34	0.68
03 51 16 00-0013	SF	Gypsum Deck Form Board, 1" Glass Fiber Board For Lightweight Deck	3.69	0.68
03 51 16 00-0014	SF	Gypsum Deck Form Board, 1-1/2" Glass Fiber Board For Lightweight Deck	4.54	0.68

03 51 16 00-0015 Gypsum Plank *(03 51 16)*

03 51 16 00-0016	SF	2" Thick, Insulating Concrete Gypsum Plank, Roof Deck	4.33	
03 51 16 00-0017	SF	3" Thick, Insulating Concrete Gypsum Plank, Roof Deck	5.69	

03 53 Concrete Topping *(03 50)*

Note: Installed over new or existing concrete.

03 53 14 Granolithic Concrete Topping *(03 53)*

03 53 14 00-0001 Granolithic Topping Laid After *(03 53 14)*

Note: Using 1:1:1-1/2 mix.

03 53 14 00-0002	SF	1/2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	4.73	
03 53 14 00-0003	SF	1" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	5.10	
03 53 14 00-0004	SF	2" Thick Concrete Topping, Granolithic Laid After Finish, 1:1:1-1/2 Mix	6.41	

03 53 19 Concrete Overlayment *(03 53)*

03 53 19 00-0001 Integral Topping Including Hard Trowel Finish *(03 53 19)*

Note: Using 1:1:2 mix.

03 53 19 00-0002	SF	3/16" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	2.80	
03 53 19 00-0003	SF	1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.15	
03 53 19 00-0004	SF	3/4" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	3.68	
03 53 19 00-0005	SF	1" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	4.36	
03 53 19 00-0006	SF	2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	6.18	
03 53 19 00-0007	SF	2-1/2" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.27	
03 53 19 00-0008	SF	3" Thick Hard Trowel Integral Concrete Topping, 1:1:2 Mix	5.89	

03 54 Cast Underlayment *(03 50)*

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

03 54 16 Hydraulic Cement Underlayment *(03 54)*

03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors *(03 54 16)*

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors	2.07
		Note: Including Surface Preparation	
		For Up To 100 SF, Add	*0.16*
		For >100 To 250 SF, Add	*0.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors	3.60	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors	5.12	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors	6.65	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors	8.18	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.16*	
		For >100 To 250 SF, Add	*0.08*	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors	9.76	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.18*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors	12.82	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.18*	
		For >100 To 250 SF, Add	*0.09*	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors	15.92	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.21*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors	18.98	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.21*	
		For >100 To 250 SF, Add	*0.10*	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors	22.15	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	*0.26*	
		For >100 To 250 SF, Add	*0.13*	

03 60 Grouting *(03)*

03 61 Cementitious Grouting *(03 60)*

Note: 1 part cement to 3 parts sand by volume.

03 61 16 Cementitious Flowable Grout *(03 61)*

03 61 16 00-0001 Cementitious Flowable Grout *(03 61 16)*

03 61 16 00-0002	CY	Cementitious Flowable Grout	497.21

03 62 Non-Shrink Grouting *(03 60)*

03 62 13 Non-Metallic Non-Shrink Grouting *(03 62)*

03 62 13 00-0001 Fluid Type, Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0002	SF	1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	29.73
03 62 13 00-0003	SF	2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases	44.21

03 62 13 00-0004 Non-Metallic Non-Shrink Grouting For Bases *(03 62 13)*

03 62 13 00-0005	SF	1" Deep, Non-Metallic Non-Shrink Grout For Bases	44.11
03 62 13 00-0006	SF	2" Deep, Non-Metallic Non-Shrink Grout For Bases	70.41

03 62 13 00-0007 Non-Metallic Non-Shrink Grouting For Joints *(03 62 13)*

03 62 13 00-0008 1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0009	LF	4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.28
03 62 13 00-0010	LF	6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	2.98
03 62 13 00-0011	LF	8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints	3.95

03 62 13 00-0012 1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints *(03 62 13 00-0007)*

03 62 13 00-0013	LF	4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	3.37
03 62 13 00-0014	LF	6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	4.46
03 62 13 00-0015	LF	8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints	5.93

03 62 16 Metallic Non-Shrink Grouting *(03 62)*

03 62 16 00-0001 Metallic Non-Shrink Grouting For Bases *(03 62 16)*

03 62 16 00-0002	SF	1" Deep, Metallic Non-Shrink Grout For Bases	37.57
03 62 16 00-0003	SF	2" Deep, Metallic Non-Shrink Grout For Bases	57.73

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 62 16 00-0004		Metallic Non-Shrink Grouting For Joints *(03 62 16)*		
03 62 16 00-0005		1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0006	LF	4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	1.86	
03 62 16 00-0007	LF	6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	2.37	
03 62 16 00-0008	LF	8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints	3.15	
03 62 16 00-0009		1" Joint Thickness, Metallic Non-Shrink Grout For Joints *(03 62 16 00-0004)*		
03 62 16 00-0010	LF	4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	2.57	
03 62 16 00-0011	LF	6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	3.23	
03 62 16 00-0012	LF	8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints	4.31	

03 63 Epoxy Grouting *(03 60)*

03 63 00 00-0001		Spray On Concrete Epoxy Grout *(03 63)* Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF	1/4" Thick Coat Spray On Concrete Epoxy Grout	4.33	
		For Color, Add	*1.14*	
03 63 00 00-0003	SF	3/8" Thick Coat Spray On Concrete Epoxy Grout	5.98	
		For Color, Add	*1.70*	
03 63 00 00-0004	SF	1/2" Thick Coat Spray On Concrete Epoxy Grout	7.67	
		For Color, Add	*2.27*	
03 63 00 00-0005	SF	5/8" Thick Coat Spray On Concrete Epoxy Grout	9.20	
		For Color, Add	*2.84*	
03 63 00 00-0006	SF	3/4" Thick Coat Spray On Concrete Epoxy Grout	10.73	
		For Color, Add	*3.41*	
03 63 00 00-0007	SF	1" Thick Coat Spray On Concrete Epoxy Grout	13.90	
		For Color, Add	*4.55*	

03 64 Injection Grouting *(03 60)*

Note: By volume of void filled. Includes injection ports.

03 64 23 Epoxy Injection Grouting *(03 64)*

03 64 23 00-0001		Pressure Injected Epoxy Grout *(03 64 23)*		
03 64 23 00-0002	CF	Pressure Injected Epoxy Grout	1,377.50	
		For >4, Deduct	*-145.67*	

03 64 26 Cementitious Injection Grouting *(03 64)*

03 64 26 00-0001		Pressure Injected Cementitious Grout *(03 64 26)*		
03 64 26 00-0002	CF	Pressure Injected Cementitious Grout	241.43	
		For >4, Deduct	*-62.50*	

03 80 Concrete Cutting and Boring *(03)*

03 81 Concrete Cutting *(03 80)*

03 81 13 Flat Concrete Sawing *(03 81)*

See CSI section 02 41 19 13-0057 for saw cutting.

03 81 16 Track Mounted Concrete Wall Sawing *(03 81)*

See CSI section 02 41 19 13-0057 for saw cutting.

03 82 Concrete Boring *(03 80)*

03 82 13 Concrete Core Drilling *(03 82)*

See CSI section 02 41 19 13-0080 for core drilling.

END OF SECTION 03

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 Masonry

04 01 Maintenance of Masonry *(04)*

04 01 20 Maintenance of Unit Masonry *(04 01)*

Note: For use on existing brick. Includes cleanup of debris. Excludes disposal.

04 01 20 41 Unit Masonry Stabilization *(04 01 20)*

04 01 20 41-0001 Masonry Repair (Helifix®) *(04 01 20 41)*

04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	22.75	
		For Up To 10, Add	*10.73*	
		For >10 To 50, Add	*5.37*	
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	32.19	
		For Up To 10, Add	*10.73*	
		For >10 To 50, Add	*5.37*	
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	42.45	
		For Up To 10, Add	*10.73*	
		For >10 To 50, Add	*5.37*	

04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) *(04 01 20 41-0002)*

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	24.80	
		For Up To 10, Add	*10.73*	
		For >10 To 50, Add	*5.37*	
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	35.83	
		For Up To 10, Add	*10.73*	
		For >10 To 50, Add	*5.37*	
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie)	47.90	
		For Up To 10, Add	*10.73*	
		For >10 To 50, Add	*5.37*	

04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0001)*

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) *(04 01 20 41-0011)*

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.64	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.00	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	192.48	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	62.64	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	68.00	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.11	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	85.57	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	192.48	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0021		**316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar)** *(04 01 20 41-0011)*		
04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.56	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.90	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	216.82	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	65.56	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	71.90	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	78.97	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	92.39	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	216.82	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0030		**Mechanical Repair Anchors (Helifix® TorkFix)** *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.		
04 01 20 41-0031		**304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)** *(04 01 20 41-0030)*		
04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.62	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.58	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.54	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.50	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.47	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.43	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.62	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.58	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.54	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.50	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.47	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.39	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.62	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.54	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.98	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0047		316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix) *(04 01 20 41-0030)*		
04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.62	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.58	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0050	EA	6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.54	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0051	EA	7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.50	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0052	EA	8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.47	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0053	EA	9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.43	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0054	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	11.62	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0055	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.58	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0056	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.54	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0057	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.50	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0058	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.47	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0059	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.39	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0060	EA	4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	11.62	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0061	EA	6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	13.54	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0062	EA	8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.98	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0063		Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.		
04 01 20 41-0064		304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*		
04 01 20 41-0065	EA	8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.36	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0066	EA	8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.70	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0067	EA	8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.77	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0068	EA	8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.91	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0069	EA	8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.16	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0070	EA	8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.38	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0071	EA	8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.48	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.62	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.23	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.32	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.06	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.68	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.22	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.11	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.79	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.02	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.47	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.85	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.18	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.48	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.67	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.81	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.03	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.13	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.56	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0090	EA	10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.18	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0091	EA	10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.70	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0092	EA	10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.35	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0093	EA	10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.89	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0094	EA	10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.88	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0095	EA	10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.95	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0096	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.28	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0097	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.50	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0098	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.65	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0099	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.75	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0100	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.06	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0101	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.55	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0102	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.73	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0103	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.22	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0104	EA	10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	10.86	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0105	EA	10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.28	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0106	EA	10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.58	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0107	EA	10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.77	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.90	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.22	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	4.95	
		For Up To 10, Add	*3.22*	
		For >10 To 50, Add	*1.61*	

04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) *(04 01 20 41-0063)*

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	9.90	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.34	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.42	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.60	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.91	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.17	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.31	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.48	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.12	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.23	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.15	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.93	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.61	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	16.96	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	18.87	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.66	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.13	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.55	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.97	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.35	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.59	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.75	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.03	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.15	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.66	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.35	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.00	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.82	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.24	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	21.36	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	25.20	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.16	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0144	EA	8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.40	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0145	EA	8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.57	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0146	EA	8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.71	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0147	EA	8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.09	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0148	EA	8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.71	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0149	EA	8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.91	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0150	EA	8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.51	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0151	EA	10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	11.78	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0152	EA	10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.31	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0153	EA	10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.68	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0154	EA	10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	12.92	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0155	EA	10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.09	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0156	EA	10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric)	13.48	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
		For Metal Stud Clip, Add	*2.56*	
04 01 20 41-0157	EA	316 Stainless Steel, Seismic Connector (Helifix® DryFix®)	5.38	
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
		For Up To 10, Add	*3.22*	
		For >10 To 50, Add	*1.61*	
04 01 20 41-0158		Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159		304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0160	EA	8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.02	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0161	EA	8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.06	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0162		316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin) *(04 01 20 41-0158)*		
04 01 20 41-0163	EA	8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.31	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0164	EA	8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin)	8.38	
		For Up To 10, Add	*6.44*	
		For >10 To 50, Add	*3.22*	
04 01 20 41-0165		Movement Joint Ties (Helifix® Movement Joint Tie *(04 01 20 41-0001)*		
		Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
04 01 20 41-0166		304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0167	EA	6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	51.92	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0168		316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) *(04 01 20 41-0165)*		
04 01 20 41-0169	EA	6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie)	53.27	
		For Up To 10, Add	*42.90*	
		For >10 To 50, Add	*21.45*	
04 01 20 41-0170		Unit Masonry Stabilization *(04 01 20 41)*		
04 01 20 41-0171		Repair Bulging Or Loose Masonry *(04 01 20 41-0170)*		
04 01 20 41-0172	SF	Repair Bulging Or Loose Masonry Using Existing Masonry	88.94	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173	SF	Repair Bulging Or Loose Masonry Using New Masonry	95.98	
		Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
04 01 20 51		**Unit Masonry Maintenance** *(04 01 20)*		
04 01 20 51-0001		Repair Masonry *(04 01 20 51)*		
		Note: Includes mortar for repair.		
04 01 20 51-0002	SF	Patch And Repair Terra Cotta Walls Or Coping	21.23	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0003	SF	Patch And Repair Terra Cotta Floors	19.77	
		Note: Including Replacement Of Damaged Material		
04 01 20 51-0004	LF	Chip And Repair With Masonry Patch, Cracks Up To 1/4"	4.93	
04 01 20 51-0005	SF	Patching Over Masonry Surface With Elastomeric Paint Using A Trowel 6" Blade	8.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 51-0006	LF	Pressure Grout Block/Brick, Portland Cement Base, Using LA City RGA Rule Of General Application 1-91	432.07	
04 01 20 51-0007	LF	Pressure Grout Block/Brick, Portland Cement Base, Master Builders RHEOCEM 900	123.27	
04 01 20 51-0008	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570)	36.11	
		For Cracks Accessible From Both Sides, Add	*7.34*	
04 01 20 51-0009	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52)	31.82	
		For Cracks Accessible From Both Sides, Add	*7.34*	
04 01 20 51-0010	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52)	8.54	
		For V-Grooving Crack With Grinder, Add	*6.09*	
04 01 20 51-0011	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52)	11.54	
		For V-Grooving Crack With Grinder, Add	*5.78*	

04 01 20 51-0012 Grind Unit Masonry *(04 01 20 51)*

04 01 20 51-0013	SF	Grind Smooth Masonry Wall	4.17	

04 01 20 52 Unit Masonry Cleaning *(04 01 20)*

See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.

04 01 20 91 Unit Masonry Restoration *(04 01 20)*

See CSI section 03 01 30 71-0059 for crack repair.

04 01 20 91-0001 Cut And Repoint Masonry *(04 01 20 91)*

Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.

04 01 20 91-0002	SF	Cut And Repoint, Hard Mortar, Running Bond, Brick	10.72	
		For Common Bond, Add	*0.40*	
		For Flemish Bond, Add	*1.41*	
		For English Bond, Add	*2.31*	
		For Oversized Or Larger Than Standard, Deduct	*-1.61*	
		For >250 To 1,000, Deduct	*-0.50*	
		For >1,000, Deduct	*-1.04*	
04 01 20 91-0003	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick	7.49	
		For Common Bond, Add	*0.27*	
		For Flemish Bond, Add	*0.95*	
		For English Bond, Add	*1.57*	
		For Oversized Or Larger Than Standard, Deduct	*-1.12*	
		For >250 To 1,000, Deduct	*-0.34*	
		For >1,000, Deduct	*-0.72*	
04 01 20 91-0004	SF	Cut And Repoint, Hard Mortar, Running Bond, Concrete Block	5.69	
		For Common Bond, Add	*0.20*	
		For Oversized Or Larger Than Standard, Deduct	*-0.85*	
		For >250 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.54*	
04 01 20 91-0005	SF	Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block	4.09	
		For Common Bond, Add	*0.14*	
		For Oversized Or Larger Than Standard, Deduct	*-0.61*	
		For >250 To 1,000, Deduct	*-0.17*	
		For >1,000, Deduct	*-0.38*	
04 01 20 91-0006	LF	Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area	3.35	

04 01 50 Maintenance of Refractory Masonry *(04 01)*

04 01 50 52 Refractory Masonry Cleaning *(04 01 50)*

04 01 50 52-0001 Chimney Cleaning *(04 01 50 52)*

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning	7.40	
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning	14.78	
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning	22.18	

04 05 Common Work Results for Masonry *(04)*

04 05 13 Masonry Mortaring *(04 05)*

04 05 13 26 Engineered Masonry Mortaring *(04 05 13)*

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

04 05 13 26-0001 Masonry Cement Mortar *(04 05 13 26)*

Note: Ratio is bag material to sand.

04 05 13 26-0002	CF	Type M Masonry Cement 1:1:6 Mix	8.01	
04 05 13 26-0003	CF	Type N Masonry Cement 1:3 Mix	7.39	
04 05 13 26-0004	CF	Type O Masonry Cement 1:3 Mix	7.58	
04 05 13 26-0005	CF	Type PM Masonry Cement 1:1:6 Mix, 2,500 PSI	8.30	
04 05 13 26-0006	CF	Type S Masonry Cement 1/2:1:4 Mix	8.75	

04 05 13 26-0007 Mortar Admixture *(04 05 13 26)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 13 26-0008	CF	Water - Repellent Stearate - Cost Based On CF Of Mortar	0.45	
04 05 13 26-0009	CF	Pozzolanic Plasticizers - Cost Based On CF Of Mortar	0.08	
04 05 13 26-0010		Color Admixtures For Mortar *(04 05 13 26)*		
		Note: Costs are based on CF of mortar.		
04 05 13 26-0011	CF	Buff Colored Admixture	2.83	
04 05 13 26-0012	CF	Brown Colored Admixture	3.21	
04 05 13 26-0013	CF	Black Colored Admixture	3.97	
04 05 13 26-0014	CF	Red Colored Admixture	8.68	
04 05 13 26-0015		Portland Cement *(04 05 13 26)*		
04 05 13 26-0016	CF	Type I, Normal Portland Cement	15.04	
04 05 13 26-0017	CF	Type II, Modified Portland Cement	7.50	
04 05 13 26-0018	CF	Type III, High Early Strength Portland Cement	7.96	
04 05 13 26-0019	CF	Type I, White Non-Staining Portland Cement	16.67	

04 05 16 Masonry Grouting *(04 05)*

04 05 16 26 Engineered Masonry Grouting *(04 05 16)*

Note: Excludes reinforcement.

04 05 16 26-0001		Grout Bond Beams And Lintels, Grout Fill *(04 05 16 26)*		
		Note: Excludes block.		
04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep	4.76	
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep	5.19	
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep	5.79	
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep	6.47	
04 05 16 26-0006		Grout Concrete Block Cores, Grout Fill *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, (0.067 CF/SF) Grout Fill Block Solid	3.70	
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, (0.175 CF/SF) Grout Fill Block Solid	5.39	
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, (0.258 CF/SF) Grout Fill Block Solid	7.69	
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, (0.34 CF/SF) Grout Fill Block Solid	9.44	
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, (0.422 CF/SF) Grout Fill Block Solid	11.16	
04 05 16 26-0012		Grout Cavity Walls, Grout Fill *(04 05 16 26)*		
		Note: Per SF of face area filled.		
04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, (0.167 CF/SF) Grout Fill	4.37	
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, (0.250 CF/SF) Grout Fill	6.15	
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, (0.333 CF/SF) Grout Fill	7.72	
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, (0.500 CF/SF) Grout Fill	10.49	
04 05 16 26-0017		Grout Frames, Grout Fill *(04 05 16 26)*		
04 05 16 26-0018	LF	Grout Door Frames - Grout Fill	6.92	
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill	5.94	
04 05 16 26-0020		Sand Filled Walls *(04 05 16 26)*		
04 05 16 26-0021		Sand Fill Cavity Walls, Sand Fill *(04 05 16 26-0020)*		
		Note: Per SF of face area filled.		
04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, (0.167 CF/SF) Sand Fill	3.53	
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, (0.250 CF/SF) Sand Fill	4.86	
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, (0.333 CF/SF) Sand Fill	5.97	
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, (0.500 CF/SF) Sand Fill	7.93	

04 05 19 Masonry Anchorage and Reinforcing *(04 05)*

04 05 19 13 Continuous Joint Reinforcing *(04 05 19)*

Note: Includes cutting and bending.

04 05 19 13-0001		Continuous Joint Reinforcing *(04 05 19 13)*		
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*		
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0004		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0005	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	62.13	
		For Hot-Dipped Galvanized, Add	*10.06*	
		For Stainless Steel, Add	*40.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0006	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	66.02	
		For Hot-Dipped Galvanized, Add	*10.57*	
		For Stainless Steel, Add	*42.28*	
04 05 19 13-0007	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	71.24	
		For Hot-Dipped Galvanized, Add	*11.14*	
		For Stainless Steel, Add	*44.56*	
04 05 19 13-0008	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	77.44	
		For Hot-Dipped Galvanized, Add	*11.79*	
		For Stainless Steel, Add	*47.16*	
04 05 19 13-0009	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.69	
		For Hot-Dipped Galvanized, Add	*12.42*	
		For Stainless Steel, Add	*49.68*	
04 05 19 13-0010	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	90.09	
		For Hot-Dipped Galvanized, Add	*12.73*	
		For Stainless Steel, Add	*50.92*	
04 05 19 13-0011	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	94.02	
		For Hot-Dipped Galvanized, Add	*13.08*	
		For Stainless Steel, Add	*52.32*	
04 05 19 13-0012	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.13	
		For Hot-Dipped Galvanized, Add	*17.98*	
		For Stainless Steel, Add	*71.92*	
04 05 19 13-0013	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	132.07	
		For Hot-Dipped Galvanized, Add	*27.80*	
		For Stainless Steel, Add	*111.18*	

04 05 19 13-0014 Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0015	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	73.29	
		For Hot-Dipped Galvanized, Add	*15.64*	
		For Stainless Steel, Add	*62.56*	
04 05 19 13-0016	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	77.30	
		For Hot-Dipped Galvanized, Add	*16.21*	
		For Stainless Steel, Add	*64.84*	
04 05 19 13-0017	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	82.64	
		For Hot-Dipped Galvanized, Add	*16.84*	
		For Stainless Steel, Add	*67.36*	
04 05 19 13-0018	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	88.71	
		For Hot-Dipped Galvanized, Add	*17.43*	
		For Stainless Steel, Add	*69.70*	
04 05 19 13-0019	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.94	
		For Hot-Dipped Galvanized, Add	*18.05*	
		For Stainless Steel, Add	*72.18*	
04 05 19 13-0020	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	101.39	
		For Hot-Dipped Galvanized, Add	*18.39*	
		For Stainless Steel, Add	*73.54*	
04 05 19 13-0021	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.25	
		For Hot-Dipped Galvanized, Add	*18.69*	
		For Stainless Steel, Add	*74.76*	
04 05 19 13-0022	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.96	
		For Hot-Dipped Galvanized, Add	*25.40*	
		For Stainless Steel, Add	*101.60*	
04 05 19 13-0023	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.52	
		For Hot-Dipped Galvanized, Add	*40.53*	
		For Stainless Steel, Add	*162.10*	

04 05 19 13-0024 Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0025	CLF	#4 (For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	84.11	
		For Hot-Dipped Galvanized, Add	*21.05*	
		For Stainless Steel, Add	*84.20*	
04 05 19 13-0026	CLF	#6 (For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	89.66	
		For Hot-Dipped Galvanized, Add	*22.21*	
		For Stainless Steel, Add	*88.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0027	CLF	#8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	95.20	
		For Hot-Dipped Galvanized, Add	*23.36*	
		For Stainless Steel, Add	*93.44*	
04 05 19 13-0028	CLF	#10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.35	
		For Hot-Dipped Galvanized, Add	*24.75*	
		For Stainless Steel, Add	*98.98*	
04 05 19 13-0029	CLF	#12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	111.49	
		For Hot-Dipped Galvanized, Add	*26.12*	
		For Stainless Steel, Add	*104.48*	
04 05 19 13-0030	CLF	#13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	118.35	
		For Hot-Dipped Galvanized, Add	*26.86*	
		For Stainless Steel, Add	*107.42*	
04 05 19 13-0031	CLF	#14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.31	
		For Hot-Dipped Galvanized, Add	*27.49*	
		For Stainless Steel, Add	*109.96*	
04 05 19 13-0032	CLF	#16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.68	
		For Hot-Dipped Galvanized, Add	*28.76*	
		For Stainless Steel, Add	*115.02*	
04 05 19 13-0033	CLF	#18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.02	
		For Hot-Dipped Galvanized, Add	*47.77*	
		For Stainless Steel, Add	*191.06*	

04 05 19 13-0034 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0035	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.83	
		For Hot-Dipped Galvanized, Add	*22.91*	
		For Stainless Steel, Add	*91.64*	
04 05 19 13-0036	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	91.70	
		For Hot-Dipped Galvanized, Add	*23.41*	
		For Stainless Steel, Add	*93.62*	
04 05 19 13-0037	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	96.92	
		For Hot-Dipped Galvanized, Add	*23.98*	
		For Stainless Steel, Add	*95.92*	
04 05 19 13-0038	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.11	
		For Hot-Dipped Galvanized, Add	*24.63*	
		For Stainless Steel, Add	*98.50*	
04 05 19 13-0039	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	110.36	
		For Hot-Dipped Galvanized, Add	*25.26*	
		For Stainless Steel, Add	*101.02*	
04 05 19 13-0040	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.77	
		For Hot-Dipped Galvanized, Add	*25.57*	
		For Stainless Steel, Add	*102.26*	
04 05 19 13-0041	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.68	
		For Hot-Dipped Galvanized, Add	*25.92*	
		For Stainless Steel, Add	*103.66*	
04 05 19 13-0042	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.81	
		For Hot-Dipped Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*123.28*	

04 05 19 13-0043 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0044	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.98	
		For Hot-Dipped Galvanized, Add	*28.49*	
		For Stainless Steel, Add	*113.94*	
04 05 19 13-0045	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	103.00	
		For Hot-Dipped Galvanized, Add	*29.06*	
		For Stainless Steel, Add	*116.22*	
04 05 19 13-0046	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	108.34	
		For Hot-Dipped Galvanized, Add	*29.69*	
		For Stainless Steel, Add	*118.76*	
04 05 19 13-0047	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.41	
		For Hot-Dipped Galvanized, Add	*30.28*	
		For Stainless Steel, Add	*121.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0048	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.63	
		For Hot-Dipped Galvanized, Add	*30.89*	
		For Stainless Steel, Add	*123.56*	
04 05 19 13-0049	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	127.07	
		For Hot-Dipped Galvanized, Add	*31.23*	
		For Stainless Steel, Add	*124.92*	
04 05 19 13-0050	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.93	
		For Hot-Dipped Galvanized, Add	*31.54*	
		For Stainless Steel, Add	*126.14*	
04 05 19 13-0051	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	148.65	
		For Hot-Dipped Galvanized, Add	*38.25*	
		For Stainless Steel, Add	*152.98*	
04 05 19 13-0052	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	183.21	
		For Hot-Dipped Galvanized, Add	*53.38*	
		For Stainless Steel, Add	*213.50*	
04 05 19 13-0053		Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0054	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.78	
		For Hot-Dipped Galvanized, Add	*33.89*	
		For Stainless Steel, Add	*135.54*	
04 05 19 13-0055	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.34	
		For Hot-Dipped Galvanized, Add	*35.05*	
		For Stainless Steel, Add	*140.18*	
04 05 19 13-0056	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	120.89	
		For Hot-Dipped Galvanized, Add	*36.21*	
		For Stainless Steel, Add	*144.82*	
04 05 19 13-0057	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	129.03	
		For Hot-Dipped Galvanized, Add	*37.59*	
		For Stainless Steel, Add	*150.34*	
04 05 19 13-0058	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.17	
		For Hot-Dipped Galvanized, Add	*38.96*	
		For Stainless Steel, Add	*155.84*	
04 05 19 13-0059	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.03	
		For Hot-Dipped Galvanized, Add	*39.70*	
		For Stainless Steel, Add	*158.78*	
04 05 19 13-0060	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.98	
		For Hot-Dipped Galvanized, Add	*40.33*	
		For Stainless Steel, Add	*161.30*	
04 05 19 13-0061	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	155.35	
		For Hot-Dipped Galvanized, Add	*41.59*	
		For Stainless Steel, Add	*166.36*	
04 05 19 13-0062	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	197.71	
		For Hot-Dipped Galvanized, Add	*60.61*	
		For Stainless Steel, Add	*242.44*	
04 05 19 13-0063		Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*		
04 05 19 13-0064	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	113.51	
		For Hot-Dipped Galvanized, Add	*35.75*	
		For Stainless Steel, Add	*143.00*	
04 05 19 13-0065	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	117.38	
		For Hot-Dipped Galvanized, Add	*36.25*	
		For Stainless Steel, Add	*144.98*	
04 05 19 13-0066	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	122.60	
		For Hot-Dipped Galvanized, Add	*36.82*	
		For Stainless Steel, Add	*147.28*	
04 05 19 13-0067	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.79	
		For Hot-Dipped Galvanized, Add	*37.47*	
		For Stainless Steel, Add	*149.86*	
04 05 19 13-0068	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	136.04	
		For Hot-Dipped Galvanized, Add	*38.10*	
		For Stainless Steel, Add	*152.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0069	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.45	
		For Hot-Dipped Galvanized, Add	*38.41*	
		For Stainless Steel, Add	*153.62*	
04 05 19 13-0070	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	145.36	
		For Hot-Dipped Galvanized, Add	*38.76*	
		For Stainless Steel, Add	*155.02*	
04 05 19 13-0071	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.49	
		For Hot-Dipped Galvanized, Add	*43.66*	
		For Stainless Steel, Add	*174.64*	
04 05 19 13-0072	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	183.42	
		For Hot-Dipped Galvanized, Add	*53.48*	
		For Stainless Steel, Add	*213.90*	

04 05 19 13-0073 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0074	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	124.66	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.30*	
04 05 19 13-0075	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	128.68	
		For Hot-Dipped Galvanized, Add	*41.90*	
		For Stainless Steel, Add	*167.58*	
04 05 19 13-0076	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	134.02	
		For Hot-Dipped Galvanized, Add	*42.53*	
		For Stainless Steel, Add	*170.12*	
04 05 19 13-0077	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.09	
		For Hot-Dipped Galvanized, Add	*43.12*	
		For Stainless Steel, Add	*172.46*	
04 05 19 13-0078	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	147.31	
		For Hot-Dipped Galvanized, Add	*43.73*	
		For Stainless Steel, Add	*174.92*	
04 05 19 13-0079	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	152.75	
		For Hot-Dipped Galvanized, Add	*44.07*	
		For Stainless Steel, Add	*176.28*	
04 05 19 13-0080	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	156.61	
		For Hot-Dipped Galvanized, Add	*44.38*	
		For Stainless Steel, Add	*177.50*	
04 05 19 13-0081	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.33	
		For Hot-Dipped Galvanized, Add	*51.09*	
		For Stainless Steel, Add	*204.34*	
04 05 19 13-0082	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	208.89	
		For Hot-Dipped Galvanized, Add	*66.22*	
		For Stainless Steel, Add	*264.86*	

04 05 19 13-0083 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement *(04 05 19 13-0003)*

04 05 19 13-0084	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.46	
		For Hot-Dipped Galvanized, Add	*46.73*	
		For Stainless Steel, Add	*186.90*	
04 05 19 13-0085	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.02	
		For Hot-Dipped Galvanized, Add	*47.89*	
		For Stainless Steel, Add	*191.54*	
04 05 19 13-0086	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.57	
		For Hot-Dipped Galvanized, Add	*49.05*	
		For Stainless Steel, Add	*196.18*	
04 05 19 13-0087	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	154.71	
		For Hot-Dipped Galvanized, Add	*50.43*	
		For Stainless Steel, Add	*201.70*	
04 05 19 13-0088	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	162.86	
		For Hot-Dipped Galvanized, Add	*51.81*	
		For Stainless Steel, Add	*207.22*	
04 05 19 13-0089	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	169.71	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0090	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	173.67	
		For Hot-Dipped Galvanized, Add	*53.17*	
		For Stainless Steel, Add	*212.68*	
04 05 19 13-0091	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.03	
		For Hot-Dipped Galvanized, Add	*54.43*	
		For Stainless Steel, Add	*217.72*	
04 05 19 13-0092	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	223.39	
		For Hot-Dipped Galvanized, Add	*73.45*	
		For Stainless Steel, Add	*293.80*	

04 05 19 13-0093 Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0094 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0095	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	88.75	
		For Hot-Dipped Galvanized, Add	*17.11*	
		For Stainless Steel, Add	*68.42*	
04 05 19 13-0096	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	97.94	
		For Hot-Dipped Galvanized, Add	*18.68*	
		For Stainless Steel, Add	*74.70*	
04 05 19 13-0097	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	106.78	
		For Hot-Dipped Galvanized, Add	*20.06*	
		For Stainless Steel, Add	*80.24*	
04 05 19 13-0098	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	114.44	
		For Hot-Dipped Galvanized, Add	*20.87*	
		For Stainless Steel, Add	*83.46*	
04 05 19 13-0099	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	118.96	
		For Hot-Dipped Galvanized, Add	*21.61*	
		For Stainless Steel, Add	*86.42*	
04 05 19 13-0100	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	127.70	
		For Hot-Dipped Galvanized, Add	*23.25*	
		For Stainless Steel, Add	*93.00*	
04 05 19 13-0101	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	135.26	
		For Hot-Dipped Galvanized, Add	*24.61*	
		For Stainless Steel, Add	*98.44*	

04 05 19 13-0102 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

04 05 19 13-0103	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	102.65	
		For Hot-Dipped Galvanized, Add	*24.06*	
		For Stainless Steel, Add	*96.22*	
04 05 19 13-0104	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	111.87	
		For Hot-Dipped Galvanized, Add	*25.64*	
		For Stainless Steel, Add	*102.56*	
04 05 19 13-0105	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	120.56	
		For Hot-Dipped Galvanized, Add	*26.95*	
		For Stainless Steel, Add	*107.80*	
04 05 19 13-0106	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	128.37	
		For Hot-Dipped Galvanized, Add	*27.83*	
		For Stainless Steel, Add	*111.32*	
04 05 19 13-0107	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	132.85	
		For Hot-Dipped Galvanized, Add	*28.55*	
		For Stainless Steel, Add	*114.20*	
04 05 19 13-0108	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	141.60	
		For Hot-Dipped Galvanized, Add	*30.20*	
		For Stainless Steel, Add	*120.80*	
04 05 19 13-0109	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	149.34	
		For Hot-Dipped Galvanized, Add	*31.65*	
		For Stainless Steel, Add	*126.60*	

04 05 19 13-0110 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0093)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0111		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	109.40	
			For Hot-Dipped Galvanized, Add	*27.43*	
			For Stainless Steel, Add	*109.72*	
04 05 19 13-0112		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	120.22	
			For Hot-Dipped Galvanized, Add	*29.82*	
			For Stainless Steel, Add	*119.26*	
04 05 19 13-0113		CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	130.98	
			For Hot-Dipped Galvanized, Add	*32.16*	
			For Stainless Steel, Add	*128.64*	
04 05 19 13-0114		CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	139.52	
			For Hot-Dipped Galvanized, Add	*33.41*	
			For Stainless Steel, Add	*133.62*	
04 05 19 13-0115		CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	144.84	
			For Hot-Dipped Galvanized, Add	*34.55*	
			For Stainless Steel, Add	*138.18*	
04 05 19 13-0116		CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	155.16	
			For Hot-Dipped Galvanized, Add	*36.98*	
			For Stainless Steel, Add	*147.92*	
04 05 19 13-0117		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	164.78	
			For Hot-Dipped Galvanized, Add	*39.37*	
			For Stainless Steel, Add	*157.48*	

04 05 19 13-0118 Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0119 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0120		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	126.16	
			For Hot-Dipped Galvanized, Add	*35.81*	
			For Stainless Steel, Add	*143.24*	
04 05 19 13-0121		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	134.40	
			For Hot-Dipped Galvanized, Add	*36.91*	
			For Stainless Steel, Add	*147.62*	
04 05 19 13-0122		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	142.69	
			For Hot-Dipped Galvanized, Add	*38.02*	
			For Stainless Steel, Add	*152.06*	
04 05 19 13-0123		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	154.24	
			For Hot-Dipped Galvanized, Add	*39.25*	
			For Stainless Steel, Add	*156.98*	
04 05 19 13-0124		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	162.16	
			For Hot-Dipped Galvanized, Add	*40.48*	
			For Stainless Steel, Add	*161.92*	
04 05 19 13-0125		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	170.76	
			For Hot-Dipped Galvanized, Add	*42.36*	
			For Stainless Steel, Add	*169.44*	

04 05 19 13-0126 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0127		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	147.95	
			For Hot-Dipped Galvanized, Add	*46.71*	
			For Stainless Steel, Add	*186.82*	
04 05 19 13-0128		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	156.22	
			For Hot-Dipped Galvanized, Add	*47.82*	
			For Stainless Steel, Add	*191.26*	
04 05 19 13-0129		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.78	
			For Hot-Dipped Galvanized, Add	*49.06*	
			For Stainless Steel, Add	*196.24*	
04 05 19 13-0130		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.06	
			For Hot-Dipped Galvanized, Add	*50.16*	
			For Stainless Steel, Add	*200.62*	
04 05 19 13-0131		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	184.01	
			For Hot-Dipped Galvanized, Add	*51.41*	
			For Stainless Steel, Add	*205.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0132	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	191.34	
		For Hot-Dipped Galvanized, Add	*52.65*	
		For Stainless Steel, Add	*210.60*	

04 05 19 13-0133 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0118)*

04 05 19 13-0134	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	149.55	
		For Hot-Dipped Galvanized, Add	*47.51*	
		For Stainless Steel, Add	*190.02*	
04 05 19 13-0135	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	159.02	
		For Hot-Dipped Galvanized, Add	*49.22*	
		For Stainless Steel, Add	*196.86*	
04 05 19 13-0136	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	168.48	
		For Hot-Dipped Galvanized, Add	*50.91*	
		For Stainless Steel, Add	*203.64*	
04 05 19 13-0137	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	181.67	
		For Hot-Dipped Galvanized, Add	*52.96*	
		For Stainless Steel, Add	*211.84*	
04 05 19 13-0138	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	191.19	
		For Hot-Dipped Galvanized, Add	*55.00*	
		For Stainless Steel, Add	*219.98*	
04 05 19 13-0139	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.06	
		For Hot-Dipped Galvanized, Add	*57.01*	
		For Stainless Steel, Add	*228.04*	

04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0142	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	136.28	
		For Hot-Dipped Galvanized, Add	*37.85*	
		For Stainless Steel, Add	*151.38*	
04 05 19 13-0143	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	144.50	
		For Hot-Dipped Galvanized, Add	*38.92*	
		For Stainless Steel, Add	*155.68*	
04 05 19 13-0144	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	155.75	
		For Hot-Dipped Galvanized, Add	*40.00*	
		For Stainless Steel, Add	*160.00*	
04 05 19 13-0145	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	163.76	
		For Hot-Dipped Galvanized, Add	*41.28*	
		For Stainless Steel, Add	*165.12*	
04 05 19 13-0146	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	171.07	
		For Hot-Dipped Galvanized, Add	*42.52*	
		For Stainless Steel, Add	*170.06*	
04 05 19 13-0147	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	179.41	
		For Hot-Dipped Galvanized, Add	*45.00*	
		For Stainless Steel, Add	*179.98*	

04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0149	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	158.10	
		For Hot-Dipped Galvanized, Add	*48.76*	
		For Stainless Steel, Add	*195.02*	
04 05 19 13-0150	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	166.35	
		For Hot-Dipped Galvanized, Add	*49.85*	
		For Stainless Steel, Add	*199.38*	
04 05 19 13-0151	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	177.91	
		For Hot-Dipped Galvanized, Add	*51.08*	
		For Stainless Steel, Add	*204.32*	
04 05 19 13-0152	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.55	
		For Hot-Dipped Galvanized, Add	*52.18*	
		For Stainless Steel, Add	*208.70*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0153	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.88	
		For Hot-Dipped Galvanized, Add	*53.42*	
		For Stainless Steel, Add	*213.68*	
04 05 19 13-0154	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	201.50	
		For Hot-Dipped Galvanized, Add	*56.04*	
		For Stainless Steel, Add	*224.16*	

04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0140)*

04 05 19 13-0156	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	159.64	
		For Hot-Dipped Galvanized, Add	*49.53*	
		For Stainless Steel, Add	*198.10*	
04 05 19 13-0157	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	169.13	
		For Hot-Dipped Galvanized, Add	*51.24*	
		For Stainless Steel, Add	*204.94*	
04 05 19 13-0158	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	181.67	
		For Hot-Dipped Galvanized, Add	*52.96*	
		For Stainless Steel, Add	*211.84*	
04 05 19 13-0159	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	191.19	
		For Hot-Dipped Galvanized, Add	*55.00*	
		For Stainless Steel, Add	*219.98*	
04 05 19 13-0160	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	200.06	
		For Hot-Dipped Galvanized, Add	*57.01*	
		For Stainless Steel, Add	*228.04*	
04 05 19 13-0161	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	209.24	
		For Hot-Dipped Galvanized, Add	*59.91*	
		For Stainless Steel, Add	*239.64*	

04 05 19 13-0162 Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*

04 05 19 13-0163 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0164	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	129.10	
		For Hot-Dipped Galvanized, Add	*34.26*	
		For Stainless Steel, Add	*137.02*	
		For Seismic Hook And Eye, Add	*14.73*	
04 05 19 13-0165	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	136.95	
		For Hot-Dipped Galvanized, Add	*35.15*	
		For Stainless Steel, Add	*140.58*	
		For Seismic Hook And Eye, Add	*15.11*	
04 05 19 13-0166	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	147.96	
		For Hot-Dipped Galvanized, Add	*36.11*	
		For Stainless Steel, Add	*144.42*	
		For Seismic Hook And Eye, Add	*15.53*	
04 05 19 13-0167	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	155.44	
		For Hot-Dipped Galvanized, Add	*37.12*	
		For Stainless Steel, Add	*148.48*	
		For Seismic Hook And Eye, Add	*15.96*	
04 05 19 13-0168	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	162.41	
		For Hot-Dipped Galvanized, Add	*38.19*	
		For Stainless Steel, Add	*152.74*	
		For Seismic Hook And Eye, Add	*16.42*	
04 05 19 13-0169	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	167.70	
		For Hot-Dipped Galvanized, Add	*39.14*	
		For Stainless Steel, Add	*156.56*	
		For Seismic Hook And Eye, Add	*16.83*	

04 05 19 13-0170 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*

04 05 19 13-0171	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	149.56	
		For Hot-Dipped Galvanized, Add	*44.49*	
		For Stainless Steel, Add	*177.94*	
		For Seismic Hook And Eye, Add	*19.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0172	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	157.02	
		For Hot-Dipped Galvanized, Add	*45.18*	
		For Stainless Steel, Add	*180.72*	
		For Seismic Hook And Eye, Add	*19.43*	
04 05 19 13-0173	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	168.08	
		For Hot-Dipped Galvanized, Add	*46.17*	
		For Stainless Steel, Add	*184.66*	
		For Seismic Hook And Eye, Add	*19.85*	
04 05 19 13-0174	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	175.44	
		For Hot-Dipped Galvanized, Add	*47.12*	
		For Stainless Steel, Add	*188.48*	
		For Seismic Hook And Eye, Add	*20.26*	
04 05 19 13-0175	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.19	
		For Hot-Dipped Galvanized, Add	*48.08*	
		For Stainless Steel, Add	*192.30*	
		For Seismic Hook And Eye, Add	*20.67*	
04 05 19 13-0176	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	189.70	
		For Hot-Dipped Galvanized, Add	*50.14*	
		For Stainless Steel, Add	*200.56*	
		For Seismic Hook And Eye, Add	*21.56*	
04 05 19 13-0177		3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0162)*		
04 05 19 13-0178	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	151.07	
		For Hot-Dipped Galvanized, Add	*45.24*	
		For Stainless Steel, Add	*180.96*	
		For Seismic Hook And Eye, Add	*19.45*	
04 05 19 13-0179	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	160.41	
		For Hot-Dipped Galvanized, Add	*46.88*	
		For Stainless Steel, Add	*187.50*	
		For Seismic Hook And Eye, Add	*20.16*	
04 05 19 13-0180	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	172.73	
		For Hot-Dipped Galvanized, Add	*48.49*	
		For Stainless Steel, Add	*193.96*	
		For Seismic Hook And Eye, Add	*20.85*	
04 05 19 13-0181	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	182.07	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.74*	
		For Seismic Hook And Eye, Add	*21.69*	
04 05 19 13-0182	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	190.79	
		For Hot-Dipped Galvanized, Add	*52.38*	
		For Stainless Steel, Add	*209.50*	
		For Seismic Hook And Eye, Add	*22.52*	
04 05 19 13-0183	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	198.02	
		For Hot-Dipped Galvanized, Add	*54.30*	
		For Stainless Steel, Add	*217.20*	
		For Seismic Hook And Eye, Add	*23.35*	
04 05 19 13-0184		Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0002)*		
04 05 19 13-0185		9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*		
04 05 19 13-0186	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	139.24	
		For Hot-Dipped Galvanized, Add	*36.29*	
		For Stainless Steel, Add	*145.16*	
		For Seismic Hook And Eye, Add	*15.60*	
04 05 19 13-0187	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	150.08	
		For Hot-Dipped Galvanized, Add	*37.17*	
		For Stainless Steel, Add	*148.66*	
		For Seismic Hook And Eye, Add	*15.98*	
04 05 19 13-0188	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	157.29	
		For Hot-Dipped Galvanized, Add	*38.05*	
		For Stainless Steel, Add	*152.18*	
		For Seismic Hook And Eye, Add	*16.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0189	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	164.38	
		For Hot-Dipped Galvanized, Add	*39.17*	
		For Stainless Steel, Add	*156.68*	
		For Seismic Hook And Eye, Add	*16.84*	
04 05 19 13-0190	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	169.79	
		For Hot-Dipped Galvanized, Add	*40.19*	
		For Stainless Steel, Add	*160.74*	
		For Seismic Hook And Eye, Add	*17.28*	

04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0192	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	158.96	
		For Hot-Dipped Galvanized, Add	*46.15*	
		For Stainless Steel, Add	*184.60*	
		For Seismic Hook And Eye, Add	*19.84*	
04 05 19 13-0193	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	169.96	
		For Hot-Dipped Galvanized, Add	*47.11*	
		For Stainless Steel, Add	*188.42*	
		For Seismic Hook And Eye, Add	*20.26*	
04 05 19 13-0194	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	177.44	
		For Hot-Dipped Galvanized, Add	*48.12*	
		For Stainless Steel, Add	*192.48*	
		For Seismic Hook And Eye, Add	*20.69*	
04 05 19 13-0195	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	183.92	
		For Hot-Dipped Galvanized, Add	*48.94*	
		For Stainless Steel, Add	*195.76*	
		For Seismic Hook And Eye, Add	*21.04*	
04 05 19 13-0196	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	189.52	
		For Hot-Dipped Galvanized, Add	*50.05*	
		For Stainless Steel, Add	*200.20*	
		For Seismic Hook And Eye, Add	*21.52*	

04 05 19 13-0197 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0184)*

04 05 19 13-0198	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	160.99	
		For Hot-Dipped Galvanized, Add	*47.17*	
		For Stainless Steel, Add	*188.66*	
		For Seismic Hook And Eye, Add	*20.28*	
04 05 19 13-0199	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	173.35	
		For Hot-Dipped Galvanized, Add	*48.80*	
		For Stainless Steel, Add	*195.20*	
		For Seismic Hook And Eye, Add	*20.98*	
04 05 19 13-0200	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	182.07	
		For Hot-Dipped Galvanized, Add	*50.44*	
		For Stainless Steel, Add	*201.74*	
		For Seismic Hook And Eye, Add	*21.69*	
04 05 19 13-0201	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	190.79	
		For Hot-Dipped Galvanized, Add	*52.38*	
		For Stainless Steel, Add	*209.50*	
		For Seismic Hook And Eye, Add	*22.52*	
04 05 19 13-0202	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	198.02	
		For Hot-Dipped Galvanized, Add	*54.30*	
		For Stainless Steel, Add	*217.20*	
		For Seismic Hook And Eye, Add	*23.35*	

04 05 19 13-0203 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0001)*

04 05 19 13-0204 Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0205 Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0206	CLF	#4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	70.55	
		For Hot-Dipped Galvanized, Add	*14.27*	
		For Stainless Steel, Add	*57.08*	
04 05 19 13-0207	CLF	#6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	73.73	
		For Hot-Dipped Galvanized, Add	*14.43*	
		For Stainless Steel, Add	*57.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0208	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	78.95	
		For Hot-Dipped Galvanized, Add	*15.00*	
		For Stainless Steel, Add	*59.98*	
04 05 19 13-0209	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.32	
		For Hot-Dipped Galvanized, Add	*15.73*	
		For Stainless Steel, Add	*62.92*	
04 05 19 13-0210	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	92.98	
		For Hot-Dipped Galvanized, Add	*16.57*	
		For Stainless Steel, Add	*66.26*	
04 05 19 13-0211	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.65	
		For Hot-Dipped Galvanized, Add	*17.01*	
		For Stainless Steel, Add	*68.04*	
04 05 19 13-0212	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.65	
		For Hot-Dipped Galvanized, Add	*17.66*	
		For Stainless Steel, Add	*70.64*	
04 05 19 13-0213	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.78	
		For Hot-Dipped Galvanized, Add	*24.81*	
		For Stainless Steel, Add	*99.24*	
04 05 19 13-0214	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.92	
		For Hot-Dipped Galvanized, Add	*26.23*	
		For Stainless Steel, Add	*104.90*	
04 05 19 13-0215	CLF	#20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.60	
		For Hot-Dipped Galvanized, Add	*45.37*	
		For Stainless Steel, Add	*181.46*	
04 05 19 13-0216		Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0217	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	81.58	
		For Hot-Dipped Galvanized, Add	*19.79*	
		For Stainless Steel, Add	*79.14*	
04 05 19 13-0218	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	85.00	
		For Hot-Dipped Galvanized, Add	*20.06*	
		For Stainless Steel, Add	*80.24*	
04 05 19 13-0219	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	90.22	
		For Hot-Dipped Galvanized, Add	*20.63*	
		For Stainless Steel, Add	*82.52*	
04 05 19 13-0220	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.57	
		For Hot-Dipped Galvanized, Add	*21.36*	
		For Stainless Steel, Add	*85.42*	
04 05 19 13-0221	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	104.07	
		For Hot-Dipped Galvanized, Add	*22.11*	
		For Stainless Steel, Add	*88.44*	
04 05 19 13-0222	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	109.89	
		For Hot-Dipped Galvanized, Add	*22.64*	
		For Stainless Steel, Add	*90.54*	
04 05 19 13-0223	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.71	
		For Hot-Dipped Galvanized, Add	*23.19*	
		For Stainless Steel, Add	*92.76*	
04 05 19 13-0224	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.63	
		For Hot-Dipped Galvanized, Add	*32.24*	
		For Stainless Steel, Add	*128.94*	
04 05 19 13-0225	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	143.78	
		For Hot-Dipped Galvanized, Add	*33.66*	
		For Stainless Steel, Add	*134.62*	
04 05 19 13-0226	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	203.62	
		For Hot-Dipped Galvanized, Add	*63.58*	
		For Stainless Steel, Add	*254.30*	
04 05 19 13-0227		Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*		
04 05 19 13-0228	CLF	#4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.47	
		For Hot-Dipped Galvanized, Add	*28.23*	
		For Stainless Steel, Add	*112.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0229	CLF	#6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.42	
		For Hot-Dipped Galvanized, Add	*28.59*	
		For Stainless Steel, Add	*114.34*	
04 05 19 13-0230	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.74	
		For Hot-Dipped Galvanized, Add	*29.63*	
		For Stainless Steel, Add	*118.52*	
04 05 19 13-0231	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.99	
		For Hot-Dipped Galvanized, Add	*31.07*	
		For Stainless Steel, Add	*124.26*	
04 05 19 13-0232	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.95	
		For Hot-Dipped Galvanized, Add	*32.85*	
		For Stainless Steel, Add	*131.40*	
04 05 19 13-0233	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	131.98	
		For Hot-Dipped Galvanized, Add	*33.67*	
		For Stainless Steel, Add	*134.68*	
04 05 19 13-0234	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.10	
		For Hot-Dipped Galvanized, Add	*34.89*	
		For Stainless Steel, Add	*139.54*	
04 05 19 13-0235	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.11	
		For Hot-Dipped Galvanized, Add	*48.97*	
		For Stainless Steel, Add	*195.88*	
04 05 19 13-0236	CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	179.98	
		For Hot-Dipped Galvanized, Add	*51.75*	
		For Stainless Steel, Add	*206.98*	
04 05 19 13-0237	CLF	#20 (For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	260.80	
		For Hot-Dipped Galvanized, Add	*89.47*	
		For Stainless Steel, Add	*357.86*	

04 05 19 13-0238 Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0239	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	87.83	
		For Hot-Dipped Galvanized, Add	*22.91*	
		For Stainless Steel, Add	*91.64*	
04 05 19 13-0240	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	91.70	
		For Hot-Dipped Galvanized, Add	*23.41*	
		For Stainless Steel, Add	*93.62*	
04 05 19 13-0241	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	96.92	
		For Hot-Dipped Galvanized, Add	*23.98*	
		For Stainless Steel, Add	*95.92*	
04 05 19 13-0242	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.11	
		For Hot-Dipped Galvanized, Add	*24.63*	
		For Stainless Steel, Add	*98.50*	
04 05 19 13-0243	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	110.36	
		For Hot-Dipped Galvanized, Add	*25.26*	
		For Stainless Steel, Add	*101.02*	
04 05 19 13-0244	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.77	
		For Hot-Dipped Galvanized, Add	*25.57*	
		For Stainless Steel, Add	*102.26*	
04 05 19 13-0245	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.68	
		For Hot-Dipped Galvanized, Add	*25.92*	
		For Stainless Steel, Add	*103.66*	
04 05 19 13-0246	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	133.81	
		For Hot-Dipped Galvanized, Add	*30.82*	
		For Stainless Steel, Add	*123.28*	

04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0248	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	98.98	
		For Hot-Dipped Galvanized, Add	*28.49*	
		For Stainless Steel, Add	*113.94*	
04 05 19 13-0249	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	103.00	
		For Hot-Dipped Galvanized, Add	*29.06*	
		For Stainless Steel, Add	*116.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0250	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	108.34	
		For Hot-Dipped Galvanized, Add	*29.69*	
		For Stainless Steel, Add	*118.76*	
04 05 19 13-0251	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.41	
		For Hot-Dipped Galvanized, Add	*30.28*	
		For Stainless Steel, Add	*121.10*	
04 05 19 13-0252	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	121.63	
		For Hot-Dipped Galvanized, Add	*30.89*	
		For Stainless Steel, Add	*123.56*	
04 05 19 13-0253	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	127.07	
		For Hot-Dipped Galvanized, Add	*31.23*	
		For Stainless Steel, Add	*124.92*	
04 05 19 13-0254	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.93	
		For Hot-Dipped Galvanized, Add	*31.54*	
		For Stainless Steel, Add	*126.14*	
04 05 19 13-0255	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	148.65	
		For Hot-Dipped Galvanized, Add	*38.25*	
		For Stainless Steel, Add	*152.98*	
04 05 19 13-0256	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.21	
		For Hot-Dipped Galvanized, Add	*53.38*	
		For Stainless Steel, Add	*213.50*	

04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0258	CLF	#4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	109.78	
		For Hot-Dipped Galvanized, Add	*33.89*	
		For Stainless Steel, Add	*135.54*	
04 05 19 13-0259	CLF	#6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	115.34	
		For Hot-Dipped Galvanized, Add	*35.05*	
		For Stainless Steel, Add	*140.18*	
04 05 19 13-0260	CLF	#8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	120.89	
		For Hot-Dipped Galvanized, Add	*36.21*	
		For Stainless Steel, Add	*144.82*	
04 05 19 13-0261	CLF	#10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	129.03	
		For Hot-Dipped Galvanized, Add	*37.59*	
		For Stainless Steel, Add	*150.34*	
04 05 19 13-0262	CLF	#12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	137.17	
		For Hot-Dipped Galvanized, Add	*38.96*	
		For Stainless Steel, Add	*155.84*	
04 05 19 13-0263	CLF	#13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	144.03	
		For Hot-Dipped Galvanized, Add	*39.70*	
		For Stainless Steel, Add	*158.78*	
04 05 19 13-0264	CLF	#14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.98	
		For Hot-Dipped Galvanized, Add	*40.33*	
		For Stainless Steel, Add	*161.30*	
04 05 19 13-0265	CLF	#16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	155.35	
		For Hot-Dipped Galvanized, Add	*41.59*	
		For Stainless Steel, Add	*166.36*	
04 05 19 13-0266	CLF	#18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	197.71	
		For Hot-Dipped Galvanized, Add	*60.61*	
		For Stainless Steel, Add	*242.44*	

04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0268	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	113.51	
		For Hot-Dipped Galvanized, Add	*35.75*	
		For Stainless Steel, Add	*143.00*	
04 05 19 13-0269	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	117.38	
		For Hot-Dipped Galvanized, Add	*36.25*	
		For Stainless Steel, Add	*144.98*	
04 05 19 13-0270	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	122.60	
		For Hot-Dipped Galvanized, Add	*36.82*	
		For Stainless Steel, Add	*147.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0271	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.79	
		For Hot-Dipped Galvanized, Add	*37.47*	
		For Stainless Steel, Add	*149.86*	
04 05 19 13-0272	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	136.04	
		For Hot-Dipped Galvanized, Add	*38.10*	
		For Stainless Steel, Add	*152.38*	
04 05 19 13-0273	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.45	
		For Hot-Dipped Galvanized, Add	*38.41*	
		For Stainless Steel, Add	*153.62*	
04 05 19 13-0274	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	145.36	
		For Hot-Dipped Galvanized, Add	*38.76*	
		For Stainless Steel, Add	*155.02*	
04 05 19 13-0275	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	159.49	
		For Hot-Dipped Galvanized, Add	*43.66*	
		For Stainless Steel, Add	*174.64*	
04 05 19 13-0276	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	183.42	
		For Hot-Dipped Galvanized, Add	*53.48*	
		For Stainless Steel, Add	*213.90*	

04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0278	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	124.66	
		For Hot-Dipped Galvanized, Add	*41.33*	
		For Stainless Steel, Add	*165.30*	
04 05 19 13-0279	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	128.68	
		For Hot-Dipped Galvanized, Add	*41.90*	
		For Stainless Steel, Add	*167.58*	
04 05 19 13-0280	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	134.02	
		For Hot-Dipped Galvanized, Add	*42.53*	
		For Stainless Steel, Add	*170.12*	
04 05 19 13-0281	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	140.09	
		For Hot-Dipped Galvanized, Add	*43.12*	
		For Stainless Steel, Add	*172.46*	
04 05 19 13-0282	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.31	
		For Hot-Dipped Galvanized, Add	*43.73*	
		For Stainless Steel, Add	*174.92*	
04 05 19 13-0283	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	152.75	
		For Hot-Dipped Galvanized, Add	*44.07*	
		For Stainless Steel, Add	*176.28*	
04 05 19 13-0284	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	156.61	
		For Hot-Dipped Galvanized, Add	*44.38*	
		For Stainless Steel, Add	*177.50*	
04 05 19 13-0285	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	174.33	
		For Hot-Dipped Galvanized, Add	*51.09*	
		For Stainless Steel, Add	*204.34*	
04 05 19 13-0286	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	208.89	
		For Hot-Dipped Galvanized, Add	*66.22*	
		For Stainless Steel, Add	*264.86*	

04 05 19 13-0287 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement *(04 05 19 13-0204)*

04 05 19 13-0288	CLF	#4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.46	
		For Hot-Dipped Galvanized, Add	*46.73*	
		For Stainless Steel, Add	*186.90*	
04 05 19 13-0289	CLF	#6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.02	
		For Hot-Dipped Galvanized, Add	*47.89*	
		For Stainless Steel, Add	*191.54*	
04 05 19 13-0290	CLF	#8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.57	
		For Hot-Dipped Galvanized, Add	*49.05*	
		For Stainless Steel, Add	*196.18*	
04 05 19 13-0291	CLF	#10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.71	
		For Hot-Dipped Galvanized, Add	*50.43*	
		For Stainless Steel, Add	*201.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0292	CLF	#12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	162.86	
		For Hot-Dipped Galvanized, Add	*51.81*	
		For Stainless Steel, Add	*207.22*	
04 05 19 13-0293	CLF	#13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.71	
		For Hot-Dipped Galvanized, Add	*52.54*	
		For Stainless Steel, Add	*210.14*	
04 05 19 13-0294	CLF	#14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	173.67	
		For Hot-Dipped Galvanized, Add	*53.17*	
		For Stainless Steel, Add	*212.68*	
04 05 19 13-0295	CLF	#16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	181.03	
		For Hot-Dipped Galvanized, Add	*54.43*	
		For Stainless Steel, Add	*217.72*	
04 05 19 13-0296	CLF	#18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	223.39	
		For Hot-Dipped Galvanized, Add	*73.45*	
		For Stainless Steel, Add	*293.80*	

04 05 19 13-0297 Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0298 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0299	CLF	#8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	99.26	
		For Hot-Dipped Galvanized, Add	*22.36*	
		For Stainless Steel, Add	*89.44*	
04 05 19 13-0300	CLF	#10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	107.46	
		For Hot-Dipped Galvanized, Add	*23.44*	
		For Stainless Steel, Add	*93.74*	
04 05 19 13-0301	CLF	#12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	116.28	
		For Hot-Dipped Galvanized, Add	*24.81*	
		For Stainless Steel, Add	*99.24*	
04 05 19 13-0302	CLF	#13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	124.21	
		For Hot-Dipped Galvanized, Add	*25.75*	
		For Stainless Steel, Add	*103.00*	
04 05 19 13-0303	CLF	#14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	128.82	
		For Hot-Dipped Galvanized, Add	*26.54*	
		For Stainless Steel, Add	*106.14*	
04 05 19 13-0304	CLF	#16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	138.06	
		For Hot-Dipped Galvanized, Add	*28.43*	
		For Stainless Steel, Add	*113.72*	
04 05 19 13-0305	CLF	#18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	146.69	
		For Hot-Dipped Galvanized, Add	*30.33*	
		For Stainless Steel, Add	*121.30*	

04 05 19 13-0306 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0307	CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	113.19	
		For Hot-Dipped Galvanized, Add	*29.33*	
		For Stainless Steel, Add	*117.30*	
04 05 19 13-0308	CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	121.42	
		For Hot-Dipped Galvanized, Add	*30.42*	
		For Stainless Steel, Add	*121.66*	
04 05 19 13-0309	CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	130.17	
		For Hot-Dipped Galvanized, Add	*31.76*	
		For Stainless Steel, Add	*127.02*	
04 05 19 13-0310	CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	138.14	
		For Hot-Dipped Galvanized, Add	*32.72*	
		For Stainless Steel, Add	*130.86*	
04 05 19 13-0311	CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	142.65	
		For Hot-Dipped Galvanized, Add	*33.45*	
		For Stainless Steel, Add	*133.80*	
04 05 19 13-0312	CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	151.93	
		For Hot-Dipped Galvanized, Add	*35.37*	
		For Stainless Steel, Add	*141.46*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0313		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	160.62	
			For Hot-Dipped Galvanized, Add	*37.29*	
			For Stainless Steel, Add	*149.16*	

04 05 19 13-0314 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement *(04 05 19 13-0297)*

04 05 19 13-0315		CLF	#8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	126.10	
			For Hot-Dipped Galvanized, Add	*35.78*	
			For Stainless Steel, Add	*143.12*	
04 05 19 13-0316		CLF	#10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	135.54	
			For Hot-Dipped Galvanized, Add	*37.48*	
			For Stainless Steel, Add	*149.90*	
04 05 19 13-0317		CLF	#12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	146.26	
			For Hot-Dipped Galvanized, Add	*39.80*	
			For Stainless Steel, Add	*159.20*	
04 05 19 13-0318		CLF	#13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	154.84	
			For Hot-Dipped Galvanized, Add	*41.07*	
			For Stainless Steel, Add	*164.26*	
04 05 19 13-0319		CLF	#14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	160.41	
			For Hot-Dipped Galvanized, Add	*42.33*	
			For Stainless Steel, Add	*169.32*	
04 05 19 13-0320		CLF	#16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	171.56	
			For Hot-Dipped Galvanized, Add	*45.18*	
			For Stainless Steel, Add	*180.72*	
04 05 19 13-0321		CLF	#18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	181.11	
			For Hot-Dipped Galvanized, Add	*47.54*	
			For Stainless Steel, Add	*190.14*	

04 05 19 13-0322 Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0323 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0324		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	142.68	
			For Hot-Dipped Galvanized, Add	*44.07*	
			For Stainless Steel, Add	*176.28*	
04 05 19 13-0325		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	149.34	
			For Hot-Dipped Galvanized, Add	*44.38*	
			For Stainless Steel, Add	*177.50*	
04 05 19 13-0326		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	157.57	
			For Hot-Dipped Galvanized, Add	*45.46*	
			For Stainless Steel, Add	*181.82*	
04 05 19 13-0327		CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	169.53	
			For Hot-Dipped Galvanized, Add	*46.89*	
			For Stainless Steel, Add	*187.56*	
04 05 19 13-0328		CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	178.37	
			For Hot-Dipped Galvanized, Add	*48.59*	
			For Stainless Steel, Add	*194.34*	
04 05 19 13-0329		CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	187.34	
			For Hot-Dipped Galvanized, Add	*50.65*	
			For Stainless Steel, Add	*202.60*	

04 05 19 13-0330 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0331		CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.22	
			For Hot-Dipped Galvanized, Add	*54.84*	
			For Stainless Steel, Add	*219.36*	
04 05 19 13-0332		CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	171.19	
			For Hot-Dipped Galvanized, Add	*55.30*	
			For Stainless Steel, Add	*221.20*	
04 05 19 13-0333		CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	179.42	
			For Hot-Dipped Galvanized, Add	*56.38*	
			For Stainless Steel, Add	*225.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0334	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	191.32	
		For Hot-Dipped Galvanized, Add	*57.79*	
		For Stainless Steel, Add	*231.14*	
04 05 19 13-0335	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	199.88	
		For Hot-Dipped Galvanized, Add	*59.34*	
		For Stainless Steel, Add	*237.36*	
04 05 19 13-0336	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	207.86	
		For Hot-Dipped Galvanized, Add	*60.91*	
		For Stainless Steel, Add	*243.64*	

04 05 19 13-0337 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0322)*

04 05 19 13-0338	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	176.02	
		For Hot-Dipped Galvanized, Add	*60.74*	
		For Stainless Steel, Add	*242.96*	
04 05 19 13-0339	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.00	
		For Hot-Dipped Galvanized, Add	*61.21*	
		For Stainless Steel, Add	*244.82*	
04 05 19 13-0340	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	192.46	
		For Hot-Dipped Galvanized, Add	*62.90*	
		For Stainless Steel, Add	*251.60*	
04 05 19 13-0341	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	205.98	
		For Hot-Dipped Galvanized, Add	*65.12*	
		For Stainless Steel, Add	*260.46*	
04 05 19 13-0342	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	217.04	
		For Hot-Dipped Galvanized, Add	*67.92*	
		For Stainless Steel, Add	*271.68*	
04 05 19 13-0343	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	228.11	
		For Hot-Dipped Galvanized, Add	*71.04*	
		For Stainless Steel, Add	*284.14*	

04 05 19 13-0344 Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0345 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0346	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	152.83	
		For Hot-Dipped Galvanized, Add	*46.12*	
		For Stainless Steel, Add	*184.48*	
04 05 19 13-0347	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	159.54	
		For Hot-Dipped Galvanized, Add	*46.44*	
		For Stainless Steel, Add	*185.76*	
04 05 19 13-0348	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	170.73	
		For Hot-Dipped Galvanized, Add	*47.49*	
		For Stainless Steel, Add	*189.96*	
04 05 19 13-0349	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	179.01	
		For Hot-Dipped Galvanized, Add	*48.91*	
		For Stainless Steel, Add	*195.62*	
04 05 19 13-0350	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	187.31	
		For Hot-Dipped Galvanized, Add	*50.64*	
		For Stainless Steel, Add	*202.54*	
04 05 19 13-0351	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	194.20	
		For Hot-Dipped Galvanized, Add	*52.39*	
		For Stainless Steel, Add	*209.56*	

04 05 19 13-0352 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0353	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	174.31	
		For Hot-Dipped Galvanized, Add	*56.86*	
		For Stainless Steel, Add	*227.44*	
04 05 19 13-0354	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	181.30	
		For Hot-Dipped Galvanized, Add	*57.32*	
		For Stainless Steel, Add	*229.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0355	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	192.55	
		For Hot-Dipped Galvanized, Add	*58.40*	
		For Stainless Steel, Add	*233.60*	
04 05 19 13-0356	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	200.83	
		For Hot-Dipped Galvanized, Add	*59.82*	
		For Stainless Steel, Add	*239.26*	
04 05 19 13-0357	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.79	
		For Hot-Dipped Galvanized, Add	*61.38*	
		For Stainless Steel, Add	*245.50*	
04 05 19 13-0358	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	215.86	
		For Hot-Dipped Galvanized, Add	*63.22*	
		For Stainless Steel, Add	*252.88*	

04 05 19 13-0359 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0344)*

04 05 19 13-0360	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	186.14	
		For Hot-Dipped Galvanized, Add	*62.78*	
		For Stainless Steel, Add	*251.10*	
04 05 19 13-0361	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	193.10	
		For Hot-Dipped Galvanized, Add	*63.22*	
		For Stainless Steel, Add	*252.88*	
04 05 19 13-0362	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	205.65	
		For Hot-Dipped Galvanized, Add	*64.95*	
		For Stainless Steel, Add	*259.80*	
04 05 19 13-0363	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	215.50	
		For Hot-Dipped Galvanized, Add	*67.15*	
		For Stainless Steel, Add	*268.60*	
04 05 19 13-0364	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	225.92	
		For Hot-Dipped Galvanized, Add	*69.94*	
		For Stainless Steel, Add	*279.76*	
04 05 19 13-0365	CLF	#20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	233.55	
		For Hot-Dipped Galvanized, Add	*72.07*	
		For Stainless Steel, Add	*288.26*	

04 05 19 13-0366 Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*

04 05 19 13-0367 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*

04 05 19 13-0368	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	144.54	
		For Hot-Dipped Galvanized, Add	*41.98*	
		For Stainless Steel, Add	*167.90*	
		For Seismic Hook And Eye, Add	*18.05*	
04 05 19 13-0369	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	151.19	
		For Hot-Dipped Galvanized, Add	*42.27*	
		For Stainless Steel, Add	*169.06*	
		For Seismic Hook And Eye, Add	*18.17*	
04 05 19 13-0370	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	162.10	
		For Hot-Dipped Galvanized, Add	*43.18*	
		For Stainless Steel, Add	*172.70*	
		For Seismic Hook And Eye, Add	*18.57*	
04 05 19 13-0371	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	170.17	
		For Hot-Dipped Galvanized, Add	*44.49*	
		For Stainless Steel, Add	*177.94*	
		For Seismic Hook And Eye, Add	*19.13*	
04 05 19 13-0372	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	177.72	
		For Hot-Dipped Galvanized, Add	*45.84*	
		For Stainless Steel, Add	*183.36*	
		For Seismic Hook And Eye, Add	*19.71*	
04 05 19 13-0373	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	184.43	
		For Hot-Dipped Galvanized, Add	*47.51*	
		For Stainless Steel, Add	*190.02*	
		For Seismic Hook And Eye, Add	*20.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0374		3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0375	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	164.32	
		For Hot-Dipped Galvanized, Add	*51.87*	
		For Stainless Steel, Add	*207.46*	
		For Seismic Hook And Eye, Add	*22.30*	
04 05 19 13-0376	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	171.19	
		For Hot-Dipped Galvanized, Add	*52.27*	
		For Stainless Steel, Add	*209.06*	
		For Seismic Hook And Eye, Add	*22.47*	
04 05 19 13-0377	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	181.95	
		For Hot-Dipped Galvanized, Add	*53.10*	
		For Stainless Steel, Add	*212.40*	
		For Seismic Hook And Eye, Add	*22.83*	
04 05 19 13-0378	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	189.89	
		For Hot-Dipped Galvanized, Add	*54.35*	
		For Stainless Steel, Add	*217.38*	
		For Seismic Hook And Eye, Add	*23.37*	
04 05 19 13-0379	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	197.41	
		For Hot-Dipped Galvanized, Add	*55.69*	
		For Stainless Steel, Add	*222.74*	
		For Seismic Hook And Eye, Add	*23.94*	
04 05 19 13-0380	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	203.75	
		For Hot-Dipped Galvanized, Add	*57.17*	
		For Stainless Steel, Add	*228.66*	
		For Seismic Hook And Eye, Add	*24.58*	
04 05 19 13-0381		3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement *(04 05 19 13-0366)*		
04 05 19 13-0382	CLF	#8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	176.28	
		For Hot-Dipped Galvanized, Add	*57.85*	
		For Stainless Steel, Add	*231.38*	
		For Seismic Hook And Eye, Add	*24.87*	
04 05 19 13-0383	CLF	#10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	183.24	
		For Hot-Dipped Galvanized, Add	*58.29*	
		For Stainless Steel, Add	*233.16*	
		For Seismic Hook And Eye, Add	*25.06*	
04 05 19 13-0384	CLF	#12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	195.57	
		For Hot-Dipped Galvanized, Add	*59.91*	
		For Stainless Steel, Add	*239.64*	
		For Seismic Hook And Eye, Add	*25.76*	
04 05 19 13-0385	CLF	#14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	205.24	
		For Hot-Dipped Galvanized, Add	*62.02*	
		For Stainless Steel, Add	*248.08*	
		For Seismic Hook And Eye, Add	*26.67*	
04 05 19 13-0386	CLF	#16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	215.41	
		For Hot-Dipped Galvanized, Add	*64.69*	
		For Stainless Steel, Add	*258.74*	
		For Seismic Hook And Eye, Add	*27.81*	
04 05 19 13-0387	CLF	#18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement	224.71	
		For Hot-Dipped Galvanized, Add	*67.65*	
		For Stainless Steel, Add	*270.58*	
		For Seismic Hook And Eye, Add	*29.09*	
04 05 19 13-0388		Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0203)*		
04 05 19 13-0389		9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall *(04 05 19 13-0388)*		
04 05 19 13-0390	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	154.55	
		For Hot-Dipped Galvanized, Add	*43.95*	
		For Stainless Steel, Add	*175.78*	
		For Seismic Hook And Eye, Add	*18.90*	
04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	164.26	
		For Hot-Dipped Galvanized, Add	*44.26*	
		For Stainless Steel, Add	*177.02*	
		For Seismic Hook And Eye, Add	*19.03*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	171.65	
		For Hot-Dipped Galvanized, Add	*45.23*	
		For Stainless Steel, Add	*180.90*	
		For Seismic Hook And Eye, Add	*19.45*	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	179.26	
		For Hot-Dipped Galvanized, Add	*46.61*	
		For Stainless Steel, Add	*186.44*	
		For Seismic Hook And Eye, Add	*20.04*	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	185.85	
		For Hot-Dipped Galvanized, Add	*48.22*	
		For Stainless Steel, Add	*192.86*	
		For Seismic Hook And Eye, Add	*20.73*	

04 05 19 13-0395 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	175.88	
		For Hot-Dipped Galvanized, Add	*54.61*	
		For Stainless Steel, Add	*218.44*	
		For Seismic Hook And Eye, Add	*23.48*	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	185.65	
		For Hot-Dipped Galvanized, Add	*54.95*	
		For Stainless Steel, Add	*219.80*	
		For Seismic Hook And Eye, Add	*23.63*	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	192.98	
		For Hot-Dipped Galvanized, Add	*55.89*	
		For Stainless Steel, Add	*223.56*	
		For Seismic Hook And Eye, Add	*24.03*	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	200.34	
		For Hot-Dipped Galvanized, Add	*57.15*	
		For Stainless Steel, Add	*228.60*	
		For Seismic Hook And Eye, Add	*24.57*	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	206.31	
		For Hot-Dipped Galvanized, Add	*58.45*	
		For Stainless Steel, Add	*233.78*	
		For Seismic Hook And Eye, Add	*25.13*	

04 05 19 13-0401 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement *(04 05 19 13-0388)*

04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	186.23	
		For Hot-Dipped Galvanized, Add	*59.79*	
		For Stainless Steel, Add	*239.14*	
		For Seismic Hook And Eye, Add	*25.71*	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	196.18	
		For Hot-Dipped Galvanized, Add	*60.22*	
		For Stainless Steel, Add	*240.86*	
		For Seismic Hook And Eye, Add	*25.89*	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	204.90	
		For Hot-Dipped Galvanized, Add	*61.85*	
		For Stainless Steel, Add	*247.40*	
		For Seismic Hook And Eye, Add	*26.60*	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	213.93	
		For Hot-Dipped Galvanized, Add	*63.95*	
		For Stainless Steel, Add	*255.78*	
		For Seismic Hook And Eye, Add	*27.50*	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement	222.64	
		For Hot-Dipped Galvanized, Add	*66.61*	
		For Stainless Steel, Add	*266.44*	
		For Seismic Hook And Eye, Add	*28.64*	

04 05 19 16 Masonry Anchors *(04 05 19)*

04 05 19 16-0001 Rectangular, Wire Masonry Wall Ties *(04 05 19 16)*

04 05 19 16-0002 Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*

04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.40
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.49
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.57
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.67
04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.57	
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.67	
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.78	
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie	1.88	
04 05 19 16-0012		Mill Galvanized, Rectangular, Wire Masonry Wall Ties *(04 05 19 16-0001)*		
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.25	
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.29	
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.32	
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.38	
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.32	
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.38	
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.44	
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie	1.49	
04 05 19 16-0022		Z-Type, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0023		Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.26	
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.30	
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.46	
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.52	
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.54	
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.64	
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.75	
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie	1.82	
04 05 19 16-0032		Mill Galvanized, Z-Type, Wire Masonry Wall Ties *(04 05 19 16-0022)*		
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.14	
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.16	
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.28	
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.30	
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.32	
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.38	
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.44	
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie	1.51	
04 05 19 16-0041		Wire Beam Ties *(04 05 19 16)*		
04 05 19 16-0042		Hot-Dipped Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.67	
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.70	
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.74	
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.77	
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie	1.84	
04 05 19 16-0048		Mill Galvanized, Wire Beam Ties *(04 05 19 16-0041)*		
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	1.97	
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.05	
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.15	
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.19	
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie	2.26	
04 05 19 16-0054		Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16)*		
04 05 19 16-0055		Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.84	
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.92	
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.95	
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.01	
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	2.04	
04 05 19 16-0061		Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties *(04 05 19 16-0054)*		
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.57	
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.62	
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.64	
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.68	
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie	1.70	
04 05 19 16-0067		Corrugated Buck (Brick) Anchors *(04 05 19 16)*		

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0068		Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.23	
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.31	
04 05 19 16-0071	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.39	
04 05 19 16-0072	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.48	
04 05 19 16-0073	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.56	
04 05 19 16-0074	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.30	
04 05 19 16-0075	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.39	
04 05 19 16-0076	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.48	
04 05 19 16-0077	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.57	
04 05 19 16-0078	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor	2.66	
04 05 19 16-0079		Mill Galvanized, Corrugated Buck (Brick) Anchors *(04 05 19 16-0067)*		
04 05 19 16-0080	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.93	
04 05 19 16-0081	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.99	
04 05 19 16-0082	EA	5-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.05	
04 05 19 16-0083	EA	6-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.11	
04 05 19 16-0084	EA	7-1/2" Length, 1-1/4" Width, 16 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.17	
04 05 19 16-0085	EA	3-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	1.98	
04 05 19 16-0086	EA	4-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.05	
04 05 19 16-0087	EA	5-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.11	
04 05 19 16-0088	EA	6-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.18	
04 05 19 16-0089	EA	7-1/2" Length, 1-1/4" Width, 14 Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor	2.25	
04 05 19 16-0090		Corrugated Wall Ties *(04 05 19 16)*		
04 05 19 16-0091		Hot-Dipped Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0092	EA	7/8" Width, 7" Length, 28 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.14	
04 05 19 16-0093	EA	7/8" Width, 7" Length, 26 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.21	
04 05 19 16-0094	EA	7/8" Width, 7" Length, 24 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.23	
04 05 19 16-0095	EA	7/8" Width, 7" Length, 22 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.26	
04 05 19 16-0096	EA	7/8" Width, 7" Length, 16 Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie	1.50	
04 05 19 16-0097		Mill Galvanized, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0098	EA	7/8" Width, 7" Length, 26 Gauge, Mill Galvanized, Corrugated Wall Tie	1.17	
04 05 19 16-0099	EA	7/8" Width, 7" Length, 24 Gauge, Mill Galvanized, Corrugated Wall Tie	1.18	
04 05 19 16-0100	EA	7/8" Width, 7" Length, 22 Gauge, Mill Galvanized, Corrugated Wall Tie	1.20	
04 05 19 16-0101	EA	7/8" Width, 7" Length, 16 Gauge, Mill Galvanized, Corrugated Wall Tie	1.39	
04 05 19 16-0102		Stainless Steel, Corrugated Wall Ties *(04 05 19 16-0090)*		
04 05 19 16-0103	EA	7/8" Width, 7" Length, 28 Gauge, Stainless Steel, Corrugated Wall Tie	1.50	
04 05 19 16-0104	EA	7/8" Width, 7" Length, 26 Gauge, Stainless Steel, Corrugated Wall Tie	1.57	
04 05 19 16-0105	EA	7/8" Width, 7" Length, 24 Gauge, Stainless Steel, Corrugated Wall Tie	1.63	
04 05 19 16-0106	EA	7/8" Width, 7" Length, 22 Gauge, Stainless Steel, Corrugated Wall Tie	1.70	
04 05 19 16-0107	EA	7/8" Width, 7" Length, 16 Gauge, Stainless Steel, Corrugated Wall Tie	2.04	
04 05 19 16-0108		Wire Mesh Wall Ties *(04 05 19 16)*		
		Note: 1/2" square mesh.		
04 05 19 16-0109	EA	3" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.28	
04 05 19 16-0110	EA	3" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	2.77	
04 05 19 16-0111	EA	6" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.27	
04 05 19 16-0112	EA	6" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.17	
04 05 19 16-0113	EA	10" Width, 8" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	3.93	
04 05 19 16-0114	EA	10" Width, 12" Length, 16 Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie	4.82	
04 05 19 16-0115		Triangle Brick Ties *(04 05 19 16)*		
04 05 19 16-0116		Hot-Dipped Galvanized, Triangle Brick Ties *(04 05 19 16-0115)*		
04 05 19 16-0117	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.02	
04 05 19 16-0118	EA	3-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.06	
04 05 19 16-0119	EA	4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.10	
04 05 19 16-0120	EA	4-1/2" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.18	
04 05 19 16-0121	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.22	
04 05 19 16-0122	EA	6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.34	
04 05 19 16-0123	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.42	
04 05 19 16-0124	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.60	
04 05 19 16-0125	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.40	
04 05 19 16-0126	EA	3-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.43	
04 05 19 16-0127	EA	4" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.46	
04 05 19 16-0128	EA	4-1/2" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.54	
04 05 19 16-0129	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.56	
04 05 19 16-0130	EA	6" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.67	
04 05 19 16-0131	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.73	
04 05 19 16-0132	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Triangle Brick Tie	2.93	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0133		**Mill Galvanized, Triangle Brick Ties** *(04 05 19 16-0115)*		
04 05 19 16-0134	EA	3" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.84	
04 05 19 16-0135	EA	3-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.86	
04 05 19 16-0136	EA	4" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.87	
04 05 19 16-0137	EA	4-1/2" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.93	
04 05 19 16-0138	EA	5" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	1.94	
04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.02	
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.05	
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie	2.11	
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.07	
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.09	
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.11	
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.18	
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.20	
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.29	
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.33	
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie	2.43	
04 05 19 16-0150		**Seismic Veneer Anchors** *(04 05 19 16)*		
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor Note: For horizontal wire attachment. Excludes wire.	6.48	
04 05 19 16-0152		**Slip-Set, Joint Stabilization Anchors** *(04 05 19 16)* Note: For restraining lateral movement at control joints. Field bendable.		
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor	6.51	
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor	7.06	
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor	6.48	
04 05 19 16-0156		**Strap Partition Top Anchors** *(04 05 19 16)*		
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor	3.76	
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor	6.82	
04 05 19 16-0159		**Rigid Partition Anchors** *(04 05 19 16)*		
04 05 19 16-0160		**Hot-Dipped Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	2.87	
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.10	
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.39	
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.66	
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.92	
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.18	
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	3.92	
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	4.75	
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	5.59	
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	6.43	
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	7.27	
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor	8.11	
04 05 19 16-0173		**Mill Galvanized, Rigid Partition Anchors** *(04 05 19 16-0159)*		
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.64	
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	2.84	
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.05	
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.25	
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.45	
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor	3.66	
04 05 19 16-0180		**Screw-On Masonry Veneer Anchor Plates** *(04 05 19 16)*		
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.84	
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate	1.94	
04 05 19 16-0183		**Wire Column Ties** *(04 05 19 16)*		
04 05 19 16-0184		**Hot-Dipped Galvanized, Wire Column Ties** *(04 05 19 16-0183)*		
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.21	
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.35	
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.45	
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.59	
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.33	
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.45	
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.54	
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	2.94	
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.19	
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.34	
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.57	
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.19	
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.34	
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.48	
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie	3.64	
04 05 19 16-0201		Mill Galvanized, Wire Column Ties *(04 05 19 16-0183)*		
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	1.96	
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.05	
04 05 19 16-0204	EA	7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.10	
04 05 19 16-0205	EA	9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.19	
04 05 19 16-0206	EA	10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.00	
04 05 19 16-0207	EA	12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.09	
04 05 19 16-0208	EA	14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.14	
04 05 19 16-0209	EA	16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie	2.21	
04 05 19 16-0210	EA	3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.50	
04 05 19 16-0211	EA	5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.66	
04 05 19 16-0212	EA	7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.73	
04 05 19 16-0213	EA	9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.89	
04 05 19 16-0214	EA	10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.43	
04 05 19 16-0215	EA	12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.70	
04 05 19 16-0216	EA	14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.80	
04 05 19 16-0217	EA	16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie	2.89	
04 05 19 16-0218		Dovetail Anchors, Slots And Ties *(04 05 19 16)*		
04 05 19 16-0219		Dovetail Anchor Slots *(04 05 19 16-0218)*		
04 05 19 16-0220		Hot-Dipped Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0221	LF	24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	4.71	
04 05 19 16-0222	LF	22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.12	
04 05 19 16-0223	LF	20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.36	
04 05 19 16-0224	LF	18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.48	
04 05 19 16-0225	LF	16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot	5.76	
04 05 19 16-0226		Mill Galvanized, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0227	LF	24 Gauge, Mill Galvanized, Dovetail Anchor Slot	3.89	
04 05 19 16-0228	LF	22 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.41	
04 05 19 16-0229	LF	20 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.53	
04 05 19 16-0230	LF	18 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.71	
04 05 19 16-0231	LF	16 Gauge, Mill Galvanized, Dovetail Anchor Slot	4.83	
04 05 19 16-0232		304 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0233	LF	24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	4.67	
04 05 19 16-0234	LF	22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.13	
04 05 19 16-0235	LF	20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.29	
04 05 19 16-0236	LF	18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	5.81	
04 05 19 16-0237	LF	16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot	6.31	
04 05 19 16-0238		316 Stainless Steel, Dovetail Anchor Slot *(04 05 19 16-0219)*		
04 05 19 16-0239	LF	24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.03	
04 05 19 16-0240	LF	22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.38	
04 05 19 16-0241	LF	20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	5.73	
04 05 19 16-0242	LF	18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.18	
04 05 19 16-0243	LF	16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot	6.44	
04 05 19 16-0244		Dovetail Corrugated Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0245		Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0246	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.48	
04 05 19 16-0247	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.61	
04 05 19 16-0248	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.74	
04 05 19 16-0249	EA	3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.51	
04 05 19 16-0250	EA	5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.76	
04 05 19 16-0251	EA	7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.95	
04 05 19 16-0252	EA	3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.58	
04 05 19 16-0253	EA	5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.75	
04 05 19 16-0254	EA	7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie	1.92	
04 05 19 16-0255		Mill Galvanized, Dovetail Corrugated Brick Tie *(04 05 19 16-0244)*		
04 05 19 16-0256	EA	3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.36	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0257	EA	5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.44	
04 05 19 16-0258	EA	7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.52	
04 05 19 16-0259	EA	3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.43	
04 05 19 16-0260	EA	5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.59	
04 05 19 16-0261	EA	7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.72	
04 05 19 16-0262	EA	3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.45	
04 05 19 16-0263	EA	5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.65	
04 05 19 16-0264	EA	7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie	1.79	
04 05 19 16-0265		Dovetail Stone Anchors *(04 05 19 16-0218)*		
04 05 19 16-0266		Hot-Dipped Galvanized, Dovetail Stone Anchors *(04 05 19 16-0265)*		
04 05 19 16-0267	EA	3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.76	
04 05 19 16-0268	EA	5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	1.90	
04 05 19 16-0269	EA	7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor	2.03	
04 05 19 16-0270		Dovetail Partition Top Anchors *(04 05 19 16-0218)*		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor	3.94	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor	7.34	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0218)*		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.60	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.77	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	2.90	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie	3.01	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties *(04 05 19 16-0273)*		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.35	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.37	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.44	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie	2.64	
04 05 19 26		**Masonry Reinforcing Bars** *(04 05 19)*		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.14	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	1.88	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	2.68	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar	3.53	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.16	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	1.92	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	2.73	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar	3.61	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.19	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	1.97	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	2.82	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar	3.73	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	1.33	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	2.17	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	3.08	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar	4.02	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	1.35	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	2.21	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	3.13	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar	4.10	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	1.38	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	2.26	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	3.22	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar	4.22	
04 05 19 26-0026		Galvanized Steel Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.34	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.24	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.25	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.34	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.36	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.28	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.30	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.42	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	1.39	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	2.33	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	3.38	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar	4.54	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.53	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.53	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.65	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.83	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.55	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.57	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.70	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	4.91	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	1.58	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	2.62	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	3.78	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar	5.03	
04 05 19 26-0051		Epoxy-Coated Masonry Reinforcement Bar *(04 05 19 26)*		
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.32	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.20	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.18	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.25	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.34	
04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.24	
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.24	
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.33	
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	1.37	
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	2.29	
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	3.32	
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar	4.45	
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.51	
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.49	
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.58	
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.74	
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.53	
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.53	
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.64	
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.82	
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	1.56	
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	2.58	
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	3.72	
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar	4.94	

04 05 23 Masonry Accessories *(04 05)*

04 05 23 13 Masonry Control and Expansion Joints *(04 05 23)*

04 05 23 13-0001 Masonry Control Joints *(04 05 23 13)*

04 05 23 13-0002 Rubber, Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint	6.36	1.07
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint	6.19	1.07
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint	12.91	1.07

04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints *(04 05 23 13-0001)*

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint	3.97	1.07
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	4.11	1.07
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.19	1.07
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.77	1.07
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint	5.47	1.07

04 05 23 16 Masonry Embedded Flashing *(04 05 23)*

04 05 23 16-0001 Lead Coated Copper Through Wall Flashing *(04 05 23 16)*

04 05 23 16-0002 Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.22	1.88
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.18	1.88
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.87	1.88
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing	15.24	1.88

04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.16	1.88
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	11.03	1.88
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	14.13	1.88
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.98	1.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 16-0012		Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing *(04 05 23 16-0001)*		
04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	9.43	1.88
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	10.64	1.88
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	12.38	1.88
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing	16.01	1.88
04 05 23 16-0017		Stainless Steel Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0018		Paper Backed 2 Sides, Stainless Steel Through Wall Flashing *(04 05 23 16-0017)*		
04 05 23 16-0019	SF	0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing	7.46	1.76
04 05 23 16-0020		Polyvinyl Chloride (PVC) Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0021	SF	0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.16	1.76
04 05 23 16-0022	SF	0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.36	1.76
04 05 23 16-0023	SF	0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	4.59	1.76
04 05 23 16-0024	SF	0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing	5.35	1.76
04 05 23 16-0025		Copper Through Wall Flashing *(04 05 23 16)*		
04 05 23 16-0026		2 Sides Coated With Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0027	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	7.76	1.76
04 05 23 16-0028	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	8.47	1.76
04 05 23 16-0029	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	10.45	1.76
04 05 23 16-0030	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.18	1.76
04 05 23 16-0031	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing	12.92	1.76
04 05 23 16-0032		2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0033	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	8.47	1.76
04 05 23 16-0034	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	9.10	1.76
04 05 23 16-0035	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	11.37	1.76
04 05 23 16-0036	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.45	1.76
04 05 23 16-0037	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing	14.68	1.76
04 05 23 16-0038		1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0039	SF	2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.84	1.76
04 05 23 16-0040	SF	3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.56	1.76
04 05 23 16-0041	SF	5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.52	1.76
04 05 23 16-0042	SF	7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.25	1.76
04 05 23 16-0043	SF	10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.99	1.76
04 05 23 16-0044		2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0045	SF	2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	7.94	1.76
04 05 23 16-0046	SF	3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.81	1.76
04 05 23 16-0047	SF	5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	10.09	1.76
04 05 23 16-0048	SF	7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	12.75	1.76
04 05 23 16-0049	SF	10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing	8.76	1.76
04 05 23 16-0050		2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing *(04 05 23 16-0025)*		
04 05 23 16-0051	SF	3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	10.85	1.76
04 05 23 16-0052	SF	5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing	13.47	1.76
04 05 23 16-0053		2 Sides Glass Fabric, Thru-Wall Copper Flashing *(04 05 23 16-0025)* Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0054	SF	3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	9.33	1.76
04 05 23 16-0055	SF	5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing	11.68	1.76
04 05 23 19		**Masonry Cavity Drainage, Weepholes, and Vents** *(04 05 23)*		
04 05 23 19-0001		Brick Vents, 4" Deep, With Insect Screen *(04 05 23 19)* Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA	8-1/8" x 2-3/8" Aluminum Brick Vent	83.17	
04 05 23 19-0003	EA	8-1/8" x 4-3/4" Aluminum Brick Vent	103.39	
04 05 23 19-0004	EA	8-1/8" x 7-3/4" Aluminum Brick Vent	130.90	
04 05 23 19-0005	EA	12" x 2-3/8" Aluminum Brick Vent	102.71	
04 05 23 19-0006	EA	12" x 4-3/4" Aluminum Brick Vent	127.20	
04 05 23 19-0007	EA	12" x 7-3/4" Aluminum Brick Vent	161.47	
04 05 23 19-0008	EA	16-1/2" x 2-3/8" Aluminum Brick Vent	122.04	
04 05 23 19-0009	EA	16-1/2" x 4-3/4" Aluminum Brick Vent	166.17	
04 05 23 19-0010	EA	16-1/2" x 7-3/4" Aluminum Brick Vent	203.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 23 19-0011	EA	24" x 2-3/8" Aluminum Brick Vent	167.48	
04 05 23 19-0012	EA	24" x 4-3/4" Aluminum Brick Vent	218.42	
04 05 23 19-0013	EA	24" x 7-3/4" Aluminum Brick Vent	269.63	

04 20 Unit Masonry *(04)*

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

04 21 Clay Unit Masonry *(04 20)*

04 21 13 Brick Masonry *(04 21)*

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

04 21 13 00-0001 Brick Masonry *(04 21 13)*

04 21 13 00-0002	SF	Standard Size Red Brick, Running Bond Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)	28.22
		For Buff Or Gray, Add	*1.17*
		For Common Or American Bond, Add	*0.85*
		For English Bond, Add	*1.69*
		For Flemish Bond, Add	*3.53*
		For Stacked Bond, Add	*2.47*
		For <10, Small Area Replacements (Individual Areas), Add	*32.12*
		For Curved Wall, Add	*4.24*
		For Corbels, Add	*15.89*
		For Severe Weather (SW) Brick, Add	*1.06*
		For Glazed Brick, Add	*24.64*
04 21 13 00-0003	SF	Engineer Standard Size Red Brick, Running Bond Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)	29.43
		For Buff Or Gray, Add	*1.46*
		For Common Or American Bond, Add	*0.83*
		For English Bond, Add	*1.66*
		For Flemish Bond, Add	*3.54*
		For Stacked Bond, Add	*2.51*
		For <10, Small Area Replacements (Individual Areas), Add	*31.49*
		For Curved Wall, Add	*4.14*
		For Corbels, Add	*15.53*
		For Severe Weather (SW) Brick, Add	*1.31*
		For Glazed Brick, Add	*30.56*
04 21 13 00-0004	SF	Modular Size Red Brick, Running Bond Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)	28.22
		For Buff Or Gray, Add	*1.17*
		For Common Or American Bond, Add	*0.85*
		For English Bond, Add	*1.69*
		For Flemish Bond, Add	*3.53*
		For Stacked Bond, Add	*2.47*
		For <10, Small Area Replacements (Individual Areas), Add	*32.12*
		For Curved Wall, Add	*4.24*
		For Corbels, Add	*15.89*
		For Severe Weather (SW) Brick, Add	*1.06*
		For Glazed Brick, Add	*24.64*
04 21 13 00-0005	SF	Engineer Modular Size Red Brick, Running Bond Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)	29.43
		For Buff Or Gray, Add	*1.46*
		For Common Or American Bond, Add	*0.83*
		For English Bond, Add	*1.66*
		For Flemish Bond, Add	*3.54*
		For Stacked Bond, Add	*2.51*
		For <10, Small Area Replacements (Individual Areas), Add	*31.49*
		For Curved Wall, Add	*4.14*
		For Corbels, Add	*15.53*
		For Severe Weather (SW) Brick, Add	*1.31*
		For Glazed Brick, Add	*30.56*
04 21 13 00-0006	SF	Economy Size Red Brick, Running Bond Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)	29.19
		For Buff Or Gray, Add	*1.42*
		For Common Or American Bond, Add	*0.83*
		For English Bond, Add	*1.66*
		For Flemish Bond, Add	*3.53*
		For Stacked Bond, Add	*2.49*
		For <10, Small Area Replacements (Individual Areas), Add	*31.47*
		For Curved Wall, Add	*4.14*
		For Corbels, Add	*15.53*
		For Severe Weather (SW) Brick, Add	*1.27*
		For Glazed Brick, Add	*29.72*
04 21 13 00-0007	SF	Utility Size Red Brick, Running Bond Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)	21.72
		For Buff Or Gray, Add	*1.21*
		For Common Or American Bond, Add	*0.58*
		For English Bond, Add	*1.16*
		For Flemish Bond, Add	*2.53*
		For Stacked Bond, Add	*1.81*
		For <10, Small Area Replacements (Individual Areas), Add	*22.04*
		For Curved Wall, Add	*2.89*
		For Corbels, Add	*10.84*
		For Severe Weather (SW) Brick, Add	*1.09*
		For Glazed Brick, Add	*25.45*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0008	SF	Double Utility Size Red Brick, Running Bond	19.55	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
		For Buff Or Gray, Add	*0.85*	
		For Common Or American Bond, Add	*0.58*	
		For English Bond, Add	*1.16*	
		For Flemish Bond, Add	*2.42*	
		For Stacked Bond, Add	*1.70*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.93*	
		For Curved Wall, Add	*2.89*	
		For Corbels, Add	*10.84*	
		For Severe Weather (SW) Brick, Add	*0.77*	
		For Glazed Brick, Add	*17.85*	
04 21 13 00-0009	SF	Norman Size Red Brick, Running Bond	29.86	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
		For Buff Or Gray, Add	*1.53*	
		For Common Or American Bond, Add	*0.83*	
		For English Bond, Add	*1.66*	
		For Flemish Bond, Add	*3.56*	
		For Stacked Bond, Add	*2.53*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.51*	
		For Curved Wall, Add	*4.14*	
		For Corbels, Add	*15.53*	
		For Severe Weather (SW) Brick, Add	*1.37*	
		For Glazed Brick, Add	*32.06*	
04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond	31.79	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
		For Buff Or Gray, Add	*1.85*	
		For Common Or American Bond, Add	*0.83*	
		For English Bond, Add	*1.66*	
		For Flemish Bond, Add	*3.66*	
		For Stacked Bond, Add	*2.62*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.60*	
		For Curved Wall, Add	*4.14*	
		For Corbels, Add	*15.53*	
		For Severe Weather (SW) Brick, Add	*1.66*	
		For Glazed Brick, Add	*38.82*	
04 21 13 00-0011		Fire Brick *(04 21 13)*		
04 21 13 00-0012	SF	Running Bond, Red Fire Brick	33.72	
		For Buff Or Gray, Add	*2.17*	
		For Common Or American Bond, Add	*0.83*	
		For English Bond, Add	*1.66*	
		For Flemish Bond, Add	*3.76*	
		For Stacked Bond, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.70*	
04 21 13 00-0013		Window Sill *(04 21 13)*		
04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill	24.13	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill	24.33	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
		For Buff Or Gray, Add	*0.32*	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill	24.13	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.29*	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill	24.47	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.34*	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill	25.37	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.49*	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill	25.55	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill	25.55	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.52*	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill	24.59	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.36*	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill	24.68	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	*0.38*	
04 21 19		**Clay Tile Masonry** *(04 21)*		
04 21 19 00-0001		Scored Face, Hollow, Clay Backing Tile *(04 21 19)*		
04 21 19 00-0002		Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*		
04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	26.59	
		For Smooth Face, One Side, Add	*1.72*	
		For Smooth Face, Two Sides, Add	*2.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	28.97	
		For Smooth Face, One Side, Add	*1.91*	
		For Smooth Face, Two Sides, Add	*3.24*	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	32.63	
		For Smooth Face, One Side, Add	*2.22*	
		For Smooth Face, Two Sides, Add	*3.79*	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	45.50	
		For Smooth Face, One Side, Add	*3.45*	
		For Smooth Face, Two Sides, Add	*5.98*	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile	60.28	
		For Smooth Face, One Side, Add	*4.82*	
		For Smooth Face, Two Sides, Add	*8.43*	

04 21 19 00-0008 Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile *(04 21 19 00-0001)*

04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	22.18	
		For Smooth Face, One Side, Add	*1.38*	
		For Smooth Face, Two Sides, Add	*2.33*	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	26.80	
		For Smooth Face, One Side, Add	*1.81*	
		For Smooth Face, Two Sides, Add	*3.08*	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	27.47	
		For Smooth Face, One Side, Add	*1.83*	
		For Smooth Face, Two Sides, Add	*3.11*	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	42.77	
		For Smooth Face, One Side, Add	*3.29*	
		For Smooth Face, Two Sides, Add	*5.72*	
04 21 19 00-0013	SF	12" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile	58.76	
		For Smooth Face, One Side, Add	*4.77*	
		For Smooth Face, Two Sides, Add	*8.37*	

04 21 26 Glazed Structural Clay Tile Masonry *(04 21)*

Note: Includes tile and mortar in all colors.

04 21 26 00-0001 6T Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0002 Glazed On One Side 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0003	SF	2" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	34.32	
		For Stacked Bond, Add	*2.25*	
04 21 26 00-0004	SF	4" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	38.44	
		For Stacked Bond, Add	*2.25*	
04 21 26 00-0005	SF	6" Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12"	46.93	
		For Stacked Bond, Add	*2.35*	

04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile *(04 21 26 00-0001)*

04 21 26 00-0007	LF	Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile	35.94	
		For Stacked Bond, Add	*2.66*	
04 21 26 00-0008	LF	2" Or 4" Cove Base 6T Series Structural Glazed Clay Tile	42.81	
		For Stacked Bond, Add	*2.66*	

04 21 26 00-0009 8W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0010 Glazed On One Side 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0011	SF	2" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	26.92	
		For Stacked Bond, Add	*1.43*	
04 21 26 00-0012	SF	4" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	33.48	
		For Stacked Bond, Add	*1.53*	
04 21 26 00-0013	SF	6" Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16"	46.23	
		For Stacked Bond, Add	*1.63*	

04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile *(04 21 26 00-0009)*

04 21 26 00-0015	LF	Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile	36.82	
		For Stacked Bond, Add	*1.84*	
04 21 26 00-0016	LF	2" Or 4" Cove Base 8W Series Structural Glazed Clay Tile	36.76	
		For Stacked Bond, Add	*1.84*	

04 21 26 00-0017 4W Series Structural Glazed Clay Tile *(04 21 26)*

04 21 26 00-0018 Glazed On One Side 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

04 21 26 00-0019	SF	2" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	35.87	
		For Stacked Bond, Add	*2.25*	
04 21 26 00-0020	SF	4" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	37.93	
		For Stacked Bond, Add	*2.25*	
04 21 26 00-0021	SF	6" Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8"	47.18	
		For Stacked Bond, Add	*2.35*	

04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile *(04 21 26 00-0017)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 26 00-0023	LF	Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile	37.20	
		For Stacked Bond, Add	*2.66*	
04 21 26 00-0024	LF	2" Or 4" Cove Base 4W Series Structural Glazed Clay Tile	42.70	
		For Stacked Bond, Add	*2.66*	

04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

04 21 26 00-0026	SF	4" Thick, 6T Sound Absorbing Structural Glazed Tile	37.10	
04 21 26 00-0027	SF	6" Thick, 6T Sound Absorbing Structural Glazed Tile	40.08	
04 21 26 00-0028	SF	8" Thick, 6T Sound Absorbing Structural Glazed Tile	46.78	

04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile *(04 21 26)*

04 21 26 00-0030	SF	4" Thick, 8T Sound Absorbing Structural Glazed Tile	41.12	
04 21 26 00-0031	SF	6" Thick, 8T Sound Absorbing Structural Glazed Tile	46.40	
04 21 26 00-0032	SF	8" Thick, 8T Acoustical Glazed Tile	55.08	

04 21 29 Terra Cotta Masonry *(04 21)*

04 21 29 00-0001 Coping *(04 21 29)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 21 29 00-0002	SF	Terra Cotta Coping	114.91	42.82
		For Smooth Tile Instead Of Scored, Add	*3.79*	
		For Reinforcing With Steel Rods, Add	*7.85*	

04 21 29 00-0003 Partition Or Back Up (Scored) *(04 21 29)*

04 21 29 00-0004 Non-load Bearing, 12" x 12" *(04 21 29 00-0003)*

04 21 29 00-0005	SF	3" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	28.52	
		For Smooth Tile Instead Of Scored, Add	*3.73*	
		For Reinforcing With Steel Rods, Add	*3.50*	
04 21 29 00-0006	SF	4" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	30.26	
		For Smooth Tile Instead Of Scored, Add	*3.90*	
		For Reinforcing With Steel Rods, Add	*3.68*	
04 21 29 00-0007	SF	6" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	39.14	
		For Smooth Tile Instead Of Scored, Add	*5.33*	
		For Reinforcing With Steel Rods, Add	*4.92*	
04 21 29 00-0008	SF	8" Thick Terra Cotta, Non-Load Bearing 12" x 12" Scored Face, Back-Up Partitions	47.95	
		For Smooth Tile Instead Of Scored, Add	*6.70*	
		For Reinforcing With Steel Rods, Add	*6.12*	

04 21 29 00-0009 Load Bearing, 12" x 12" *(04 21 29 00-0003)*

04 21 29 00-0010 In Walls *(04 21 29 00-0009)*

04 21 29 00-0011	SF	4" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	32.17	
		For Smooth Tile Instead Of Scored, Add	*4.25*	
		For Reinforcing With Steel Rods, Add	*3.97*	
04 21 29 00-0012	SF	6" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	43.48	
		For Smooth Tile Instead Of Scored, Add	*6.11*	
		For Reinforcing With Steel Rods, Add	*5.57*	
04 21 29 00-0013	SF	8" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	52.18	
		For Smooth Tile Instead Of Scored, Add	*7.46*	
		For Reinforcing With Steel Rods, Add	*6.76*	
04 21 29 00-0014	SF	10" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	54.66	
		For Smooth Tile Instead Of Scored, Add	*7.63*	
		For Reinforcing With Steel Rods, Add	*6.97*	
04 21 29 00-0015	SF	12" Thick Terra Cotta, Walls 12" x 12" Load Bearing Scored Face	65.69	
		For Smooth Tile Instead Of Scored, Add	*9.25*	
		For Reinforcing With Steel Rods, Add	*8.42*	

04 21 29 00-0016 In Floors *(04 21 29 00-0009)*

04 21 29 00-0017	SF	4" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	29.31	
		For Smooth Tile Instead Of Scored, Add	*4.25*	
		For Reinforcing With Steel Rods, Add	*3.82*	
04 21 29 00-0018	SF	6" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	40.31	
		For Smooth Tile Instead Of Scored, Add	*6.11*	
		For Reinforcing With Steel Rods, Add	*5.41*	
04 21 29 00-0019	SF	8" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	48.92	
		For Smooth Tile Instead Of Scored, Add	*7.46*	
		For Reinforcing With Steel Rods, Add	*6.59*	
04 21 29 00-0020	SF	10" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	50.99	
		For Smooth Tile Instead Of Scored, Add	*7.63*	
		For Reinforcing With Steel Rods, Add	*6.79*	
04 21 29 00-0021	SF	12" Thick Terra Cotta, Floors 12" x 12" Load Bearing Scored Face	60.93	
		For Smooth Tile Instead Of Scored, Add	*9.25*	
		For Reinforcing With Steel Rods, Add	*8.19*	

04 22 Concrete Unit Masonry *(04 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

04 22 23 Architectural Concrete Unit Masonry *(04 22)*

04 22 23 13 Exposed Aggregate Concrete Unit Masonry *(04 22 23)*

04 22 23 13-0001 Concrete Blocks *(04 22 23 13)*

04 22 23 13-0002 Lightweight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0003 Cored, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block	13.30	
		For Stacked Bond, Add	*2.82*	
		For Scored Block, Add	*0.49*	
		For Curved Wall Application, Add	*2.17*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.47*	
04 22 23 13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block	14.85	
		For Stacked Bond, Add	*3.06*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.35*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.86*	
04 22 23 13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block	16.11	
		For Stacked Bond, Add	*3.28*	
		For Scored Block, Add	*0.70*	
		For Curved Wall Application, Add	*2.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.19*	
04 22 23 13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block	17.86	
		For Stacked Bond, Add	*3.43*	
		For Scored Block, Add	*0.93*	
		For Curved Wall Application, Add	*2.64*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.15*	
04 22 23 13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block	21.14	
		For Stacked Bond, Add	*4.20*	
		For Scored Block, Add	*1.00*	
		For Curved Wall Application, Add	*3.23*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.59*	

04 22 23 13-0009 Solid, Lightweight, Concrete Blocks *(04 22 23 13-0002)*

04 22 23 13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block	14.40	
		For Stacked Bond, Add	*2.90*	
		For Scored Block, Add	*0.65*	
		For Curved Wall Application, Add	*2.23*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.95*	
04 22 23 13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block	15.78	
		For Stacked Bond, Add	*3.19*	
		For Scored Block, Add	*0.71*	
		For Curved Wall Application, Add	*2.45*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.64*	
04 22 23 13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block	16.65	
		For Stacked Bond, Add	*3.38*	
		For Scored Block, Add	*0.73*	
		For Curved Wall Application, Add	*2.60*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.77*	
04 22 23 13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block	18.65	
		For Stacked Bond, Add	*3.54*	
		For Scored Block, Add	*1.01*	
		For Curved Wall Application, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.79*	
04 22 23 13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block	22.07	
		For Stacked Bond, Add	*4.34*	
		For Scored Block, Add	*1.08*	
		For Curved Wall Application, Add	*3.34*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.42*	

04 22 23 13-0015 Normal Weight Concrete Blocks *(04 22 23 13-0001)*

04 22 23 13-0016 Cored, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block	13.58	
		For Stacked Bond, Add	*2.90*	
		For Scored Block, Add	*0.49*	
		For Curved Wall Application, Add	*2.23*	
		For <10, Small Area Replacements (Individual Areas), Add	*16.89*	
		For 3,500 PSI, Add	*0.51*	
		For 5,000 PSI, Add	*0.88*	
04 22 23 13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block	15.04	
		For Stacked Bond, Add	*3.19*	
		For Scored Block, Add	*0.56*	
		For Curved Wall Application, Add	*2.45*	
		For <10, Small Area Replacements (Individual Areas), Add	*18.58*	
		For 3,500 PSI, Add	*0.59*	
		For 5,000 PSI, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block	16.22	
		For Stacked Bond, Add	*3.38*	
		For Scored Block, Add	*0.64*	
		For Curved Wall Application, Add	*2.60*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.74*	
		For 3,500 PSI, Add	*0.68*	
		For 5,000 PSI, Add	*1.16*	
04 22 23 13-0020	SF	10" x 8" x 16", Cored, Normal Weight, Concrete Block	19.82	
		For Stacked Bond, Add	*3.54*	
		For Scored Block, Add	*1.24*	
		For Curved Wall Application, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.88*	
		For 3,500 PSI, Add	*1.30*	
		For 5,000 PSI, Add	*2.24*	
04 22 23 13-0021	SF	12" x 8" x 16", Cored, Normal Weight, Concrete Block	23.08	
		For Stacked Bond, Add	*4.34*	
		For Scored Block, Add	*1.28*	
		For Curved Wall Application, Add	*3.34*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.50*	
		For 3,500 PSI, Add	*1.34*	
		For 5,000 PSI, Add	*2.30*	

04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks *(04 22 23 13-0015)*

04 22 23 13-0023	SF	4" x 8" x 16", Solid, Normal Weight, Concrete Block	14.54	
		For Stacked Bond, Add	*2.97*	
		For Scored Block, Add	*0.62*	
		For Curved Wall Application, Add	*2.29*	
		For <10, Small Area Replacements (Individual Areas), Add	*17.39*	
		For 3,500 PSI, Add	*0.65*	
		For 5,000 PSI, Add	*1.12*	
04 22 23 13-0024	SF	6" x 8" x 16", Solid, Normal Weight, Concrete Block	15.49	
		For Stacked Bond, Add	*3.28*	
		For Scored Block, Add	*0.57*	
		For Curved Wall Application, Add	*2.52*	
		For <10, Small Area Replacements (Individual Areas), Add	*19.15*	
		For 3,500 PSI, Add	*0.60*	
		For 5,000 PSI, Add	*1.03*	
04 22 23 13-0025	SF	8" x 8" x 16", Solid, Normal Weight, Concrete Block	16.74	
		For Stacked Bond, Add	*3.48*	
		For Scored Block, Add	*0.67*	
		For Curved Wall Application, Add	*2.68*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.35*	
		For 3,500 PSI, Add	*0.70*	
		For 5,000 PSI, Add	*1.20*	
04 22 23 13-0026	SF	10" x 8" x 16", Solid, Normal Weight, Concrete Block	18.52	
		For Stacked Bond, Add	*3.66*	
		For Scored Block, Add	*0.89*	
		For Curved Wall Application, Add	*2.81*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.42*	
		For 3,500 PSI, Add	*0.94*	
		For 5,000 PSI, Add	*1.61*	
04 22 23 13-0027	SF	12" x 8" x 16", Solid, Normal Weight, Concrete Block	21.92	
		For Stacked Bond, Add	*4.49*	
		For Scored Block, Add	*0.93*	
		For Curved Wall Application, Add	*3.45*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.24*	
		For 3,500 PSI, Add	*0.98*	
		For 5,000 PSI, Add	*1.68*	

04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks *(04 22 23 13)*

04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

04 22 23 13-0030	LF	6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	15.57	
		For Stacked Bond, Add	*3.06*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.70*	
		For Scored Block, Add	*0.76*	
		For Curved Wall Application, Add	*2.35*	
04 22 23 13-0031	LF	8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	17.24	
		For Stacked Bond, Add	*3.28*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.93*	
		For Scored Block, Add	*0.92*	
		For Curved Wall Application, Add	*2.52*	
04 22 23 13-0032	LF	12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block	21.06	
		For Stacked Bond, Add	*4.20*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.99*	
		For Scored Block, Add	*0.98*	
		For Curved Wall Application, Add	*3.23*	

04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks *(04 22 23 13-0028)*

Note: Excludes concrete fill and reinforcing.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0034	LF	6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	15.53	
		For Stacked Bond, Add	*3.19*	
		For Grout And Fill With 2 #5 Rebar, Add	*9.41*	
		For Scored Block, Add	*0.66*	
		For Curved Wall Application, Add	*2.45*	
		For 3,500 PSI, Add	*0.69*	
		For 5,000 PSI, Add	*1.18*	
04 22 23 13-0035	LF	8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	17.08	
		For Stacked Bond, Add	*3.38*	
		For Grout And Fill With 2 #5 Rebar, Add	*10.58*	
		For Scored Block, Add	*0.82*	
		For Curved Wall Application, Add	*2.60*	
		For 3,500 PSI, Add	*0.86*	
		For 5,000 PSI, Add	*1.47*	
04 22 23 13-0036	LF	12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block	21.05	
		For Stacked Bond, Add	*4.34*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.71*	
		For Scored Block, Add	*0.87*	
		For Curved Wall Application, Add	*3.34*	
		For 3,500 PSI, Add	*0.92*	
		For 5,000 PSI, Add	*1.57*	

04 22 23 23 Prefaced Concrete Unit Masonry *(04 22 23)*

04 22 23 23-0001 Ground Face Concrete Blocks *(04 22 23 23)*

04 22 23 23-0002	SF	4" x 8" x 16", Ground Face, Concrete Block	17.53	
		For Stacked Bond, Add	*3.54*	
		For Scored Block, Add	*0.78*	
		For Curved Wall Application, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.71*	
04 22 23 23-0003	SF	6" x 8" x 16", Ground Face, Concrete Block	19.78	
		For Stacked Bond, Add	*3.98*	
		For Scored Block, Add	*0.89*	
		For Curved Wall Application, Add	*3.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.31*	
04 22 23 23-0004	SF	8" x 8" x 16", Ground Face, Concrete Block	21.46	
		For Stacked Bond, Add	*4.21*	
		For Scored Block, Add	*1.06*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.67*	
04 22 23 23-0005	SF	10" x 8" x 16", Ground Face, Concrete Block	22.98	
		For Stacked Bond, Add	*4.46*	
		For Scored Block, Add	*1.16*	
		For Curved Wall Application, Add	*3.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.18*	
04 22 23 23-0006	SF	12" x 8" x 16", Ground Face, Concrete Block	27.21	
		For Stacked Bond, Add	*5.42*	
		For Scored Block, Add	*1.27*	
		For Curved Wall Application, Add	*4.17*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.75*	

04 22 23 26 Sound-Absorbing Concrete Unit Masonry *(04 22 23)*

04 22 23 26-0001 Slotted, Acoustical Concrete Block *(04 22 23 26)*

04 22 23 26-0002	SF	4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	24.43	
		For Stacked Bond, Add	*3.54*	
		For Curved Wall Application, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.23*	
04 22 23 26-0003	SF	6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	27.47	
		For Stacked Bond, Add	*3.85*	
		For Curved Wall Application, Add	*2.96*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.14*	
04 22 23 26-0004	SF	8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block	31.81	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.44*	

04 22 23 29 Split-Face Concrete Unit Masonry *(04 22 23)*

04 22 23 29-0001 Split Face, Concrete Blocks *(04 22 23 29)*

04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0003	SF	4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	17.99	
		For Stacked Bond, Add	*3.54*	
		For Curved Wall Application, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.74*	
04 22 23 29-0004	SF	6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	20.32	
		For Stacked Bond, Add	*3.98*	
		For Curved Wall Application, Add	*3.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0005	SF	8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	22.08	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.71*	
04 22 23 29-0006	SF	10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	23.72	
		For Stacked Bond, Add	*4.46*	
		For Curved Wall Application, Add	*3.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.23*	
04 22 23 29-0007	SF	12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block	27.65	
		For Stacked Bond, Add	*5.42*	
		For Curved Wall Application, Add	*4.17*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.79*	

04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks *(04 22 23 29-0001)*

04 22 23 29-0009	SF	4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	19.09	
		For Stacked Bond, Add	*3.54*	
		For Grout And Fill With 2 #5 Rebar, Add	*12.29*	
		For Curved Wall Application, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.83*	
04 22 23 29-0010	SF	6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	21.58	
		For Stacked Bond, Add	*3.98*	
		For Grout And Fill With 2 #5 Rebar, Add	*13.92*	
		For Curved Wall Application, Add	*3.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.45*	
04 22 23 29-0011	SF	8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	23.55	
		For Stacked Bond, Add	*4.21*	
		For Grout And Fill With 2 #5 Rebar, Add	*15.46*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.82*	
04 22 23 29-0012	SF	10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	25.35	
		For Stacked Bond, Add	*4.46*	
		For Grout And Fill With 2 #5 Rebar, Add	*16.77*	
		For Curved Wall Application, Add	*3.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.35*	
04 22 23 29-0013	SF	12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block	29.35	
		For Stacked Bond, Add	*5.42*	
		For Grout And Fill With 2 #5 Rebar, Add	*18.93*	
		For Curved Wall Application, Add	*4.17*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.91*	

04 22 23 29-0014 Split Rib, Concrete Block *(04 22 23 29)*

04 22 23 29-0015 Split Rib, Concrete Block *(04 22 23 29-0014)*

04 22 23 29-0016	SF	4" x 8" x 16", Split Rib, Concrete Block	17.64	
		For Stacked Bond, Add	*3.54*	
		For Curved Wall Application, Add	*2.72*	
		For <10, Small Area Replacements (Individual Areas), Add	*20.72*	
04 22 23 29-0017	SF	6" x 8" x 16", Split Rib, Concrete Block	21.14	
		For Stacked Bond, Add	*3.98*	
		For Curved Wall Application, Add	*3.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.42*	
04 22 23 29-0018	SF	8" x 8" x 16", Split Rib, Concrete Block	22.50	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.74*	
04 22 23 29-0019	SF	10" x 8" x 16", Split Rib, Concrete Block	24.06	
		For Stacked Bond, Add	*4.46*	
		For Curved Wall Application, Add	*3.43*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.26*	
04 22 23 29-0020	SF	12" x 8" x 16", Split Rib, Concrete Block	28.41	
		For Stacked Bond, Add	*5.42*	
		For Curved Wall Application, Add	*4.17*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.84*	

04 22 23 31 Glazed Concrete Masonry Unit *(04 22 23)*

04 22 23 31-0001 One Glazed Face, Concrete Blocks *(04 22 23 31)*

04 22 23 31-0002 One Glazed Face, Concrete Blocks *(04 22 23 31-0001)*

04 22 23 31-0003	SF	4" x 8" x 16", One Glazed Face, Concrete Block	32.59	
		For Stacked Bond, Add	*3.43*	
		For Curved Wall Application, Add	*2.64*	
		For <10, Small Area Replacements (Individual Areas), Add	*21.25*	
04 22 23 31-0004	SF	6" x 8" x 16", One Glazed Face, Concrete Block	34.83	
		For Stacked Bond, Add	*3.78*	
		For Curved Wall Application, Add	*2.91*	
		For <10, Small Area Replacements (Individual Areas), Add	*23.32*	
04 22 23 31-0005	SF	8" x 8" x 16", One Glazed Face, Concrete Block	36.91	
		For Stacked Bond, Add	*3.98*	
		For Curved Wall Application, Add	*3.06*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 31-0006	SF	10" x 8" x 16", One Glazed Face, Concrete Block	39.09	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*25.99*	
04 22 23 31-0007	SF	12" x 8" x 16", One Glazed Face, Concrete Block	43.66	
		For Stacked Bond, Add	*5.10*	
		For Curved Wall Application, Add	*3.93*	
		For <10, Small Area Replacements (Individual Areas), Add	*31.25*	
04 22 23 31-0008		Two Glazed Faces, Concrete Blocks *(04 22 23 31)*		
04 22 23 31-0009		Two Glazed Faces, Concrete Blocks *(04 22 23 31-0008)*		
04 22 23 31-0010	SF	4" x 8" x 16", Two Glazed Faces, Concrete Block	43.85	
		For Stacked Bond, Add	*3.91*	
		For Curved Wall Application, Add	*3.01*	
		For <10, Small Area Replacements (Individual Areas), Add	*24.74*	
04 22 23 31-0011	SF	6" x 8" x 16", Two Glazed Faces, Concrete Block	45.93	
		For Stacked Bond, Add	*4.21*	
		For Curved Wall Application, Add	*3.24*	
		For <10, Small Area Replacements (Individual Areas), Add	*26.50*	
04 22 23 31-0012	SF	8" x 8" x 16", Two Glazed Faces, Concrete Block	48.90	
		For Stacked Bond, Add	*4.65*	
		For Curved Wall Application, Add	*3.57*	
		For <10, Small Area Replacements (Individual Areas), Add	*29.13*	

04 23 Glass Unit Masonry *(04 20)*

04 23 13 Vertical Glass Unit Masonry *(04 23)*

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

04 23 13 00-0001 Glass Block Unit Masonry *(04 23 13)*

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block	93.38	
		For Solar Reflective (Suntrol) Blocks, Add	*20.53*	
		For Essex (Horizontal Striated) Blocks, Add	*11.73*	
		For Sculptured Or Patterned Blocks, Add	*20.53*	
		For Colored Glass, Add	*58.67*	
		For Thinline Block, Deduct	*-14.67*	
		For >1,000 To 5,000, Deduct	*-6.39*	
		For >5,000, Deduct	*-11.05*	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block	67.06	
		For Solar Reflective (Suntrol) Blocks, Add	*14.54*	
		For Essex (Horizontal Striated) Blocks, Add	*8.31*	
		For Sculptured Or Patterned Blocks, Add	*14.54*	
		For Colored Glass, Add	*41.53*	
		For Thinline Block, Deduct	*-10.38*	
		For >1,000 To 5,000, Deduct	*-4.62*	
		For >5,000, Deduct	*-7.97*	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block	76.54	
		For Solar Reflective (Suntrol) Blocks, Add	*18.57*	
		For Essex (Horizontal Striated) Blocks, Add	*10.61*	
		For Sculptured Or Patterned Blocks, Add	*18.57*	
		For Colored Glass, Add	*53.06*	
		For Thinline Block, Deduct	*-13.27*	
		For >1,000 To 5,000, Deduct	*-4.99*	
		For >5,000, Deduct	*-8.81*	

04 23 13 00-0005 Solid Glass Block (Vistabrik®) *(04 23 13)*

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®)	971.19	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®)	734.05	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®)	499.73	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®)	349.47	

04 40 Stone Assemblies *(04)*

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

04 41 Dry-Placed Stone *(04 40)*

04 41 00 00-0001 Ashlar Veneer, Random Size, Square Cut Rough Stone *(04 41)*

04 41 00 00-0002	SF	4" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	27.57	8.28
04 41 00 00-0003	SF	6" Thick Ashlar Veneer, Random Size, Square Cut Rough Stone	28.04	8.28

04 42 Exterior Stone Cladding *(04 40)*

04 42 43 Stone Panels for Curtain Walls *(04 42)*

04 42 43 00-0001 Marble Facing Panels *(04 42 43)*

Note: 3' x 1.5'

04 42 43 00-0002	SF	3/4" Thick Marble Facing Panels	62.96	18.31
04 42 43 00-0003	SF	7/8" Thick Marble Facing Panels	65.89	18.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 42 43 00-0004	SF	1-1/2" Thick Marble Facing Panels	74.47	18.90
04 42 43 00-0005	SF	2" Thick Marble Facing Panels	80.97	19.49
04 42 43 00-0006	SF	2-1/4" Thick Marble Facing Panels	86.22	20.67
04 42 43 00-0007	CF	Marble Face Panel	350.08	67.34
04 42 43 00-0008		Smooth Limestone Panels *(04 42 43)*		
		Note: Up to 12' x 5' panels.		
04 42 43 00-0009	SF	1-1/2" Thick Smooth Limestone Panels	62.08	36.75
04 42 43 00-0010	SF	2" Thick Smooth Limestone Panels	65.77	38.52
04 42 43 00-0011	SF	3" Thick Smooth Limestone Panels	69.64	40.29
04 42 43 00-0012	SF	4" Thick Smooth Limestone Panels	80.31	44.31
04 42 43 00-0013		Sandstone Panels *(04 42 43)*		
04 42 43 00-0014	SF	2-1/2" Thick Sandstone Panels	70.62	38.52
04 42 43 00-0015	SF	4" Thick Sandstone Panels	77.85	44.31
04 42 43 00-0016	SF	Split Face Sandstone Panels, Random Sizes	72.09	44.31

04 43 Stone Masonry *(04 40)*

04 43 16 Stone Fabrications *(04 43)*

04 43 16 00-0001		Marble *(04 43 16)*		
04 43 16 00-0002		Marble Base *(04 43 16 00-0001)*		
		Note: 1" thick.		
04 43 16 00-0003	LF	4" High Marble Base	109.68	73.50
04 43 16 00-0004	LF	6" High Marble Base	122.90	80.07
04 43 16 00-0005		Marble Columns *(04 43 16 00-0001)*		
04 43 16 00-0006	CF	Plain Faced Solid Marble Columns	255.59	67.34
04 43 16 00-0007	CF	Fluted, Carved Solid Marble Columns	394.42	67.34
04 43 16 00-0008		Marble Flooring *(04 43 16 00-0001)*		
04 43 16 00-0009	SF	3/8" Uniform Color Marble Flooring	29.01	16.83
04 43 16 00-0010	SF	1/2" Uniform Color Marble Flooring	30.55	16.83
04 43 16 00-0011	SF	1/2" Travertine Marble Flooring	36.19	19.22
04 43 16 00-0012		Marble Items *(04 43 16 00-0001)*		
04 43 16 00-0013	LF	12" Wide Marble Stair Treads	68.96	26.75
04 43 16 00-0014	LF	6" Wide Marble Stair Risers	53.00	21.45
04 43 16 00-0015	LF	6" Wide x 2" Thick Marble Window Sills	32.99	15.74
04 43 16 00-0016	LF	5" Wide x 7/8" Thick Marble Window Stool, Polished	58.86	19.32
04 43 16 00-0017	SF	7/8" Thick, Non-Skid, Marble Patio Blocks	39.64	24.40
04 43 16 00-0018		Limestone *(04 43 16)*		
04 43 16 00-0019		Ashlar Veneer Limestone *(04 43 16 00-0018)*		
04 43 16 00-0020	SF	4" Ashlar Veneer Limestone, Random Sizes	61.56	26.75
04 43 16 00-0021	SF	6" To 8" Thick, Pitched Face Ashlar Veneer Limestone, Random Sizes	92.85	36.76
04 43 16 00-0022		Limestone Coping *(04 43 16 00-0018)*		
		Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.		
04 43 16 00-0023	SF	2-1/2" Thick Limestone Coping	30.01	9.45
04 43 16 00-0024	SF	3" Thick Limestone Coping	33.41	10.04
04 43 16 00-0025	SF	3-1/2" Thick Limestone Coping	36.81	10.63
04 43 16 00-0026	SF	4" Thick Limestone Coping	39.03	10.99
04 43 16 00-0027	SF	5" Thick Limestone Coping	44.65	11.22
04 43 16 00-0028	SF	6" Thick Limestone Coping	63.35	11.81
04 43 16 00-0029	CF	>6" Thick Limestone Coping	104.15	23.90
04 43 16 00-0030		Limestone Stair Treads *(04 43 16 00-0018)*		
04 43 16 00-0031	SF	2" Thick Limestone Treads	36.68	8.86
04 43 16 00-0032	SF	2-1/2" Thick Limestone Treads	38.91	9.45
04 43 16 00-0033	SF	3" Thick Limestone Treads	43.38	10.04
04 43 16 00-0034	SF	3-1/2" Thick Limestone Treads	46.67	10.63
04 43 16 00-0035	SF	4" Thick Limestone Treads	49.97	10.63
04 43 16 00-0036	SF	5" Thick Limestone Treads	54.18	11.22
04 43 16 00-0037	SF	6" Thick Limestone Tread, Smooth Finish	73.18	11.81
04 43 16 00-0038		Limestone Items *(04 43 16 00-0018)*		
04 43 16 00-0039	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim	188.24	89.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 43 16 00-0040		Granite *(04 43 16)*		
04 43 16 00-0041		Polished Granite Veneer Facing Panels *(04 43 16 00-0040)*		
		Note: Excludes structural support steel.		
04 43 16 00-0042	SF	7/8" Thick Black Polished Granite Veneer Facing Panels	122.36	36.98
04 43 16 00-0043	SF	7/8" Thick Gray Polished Granite Veneer Facing Panels	110.80	36.98
04 43 16 00-0044		Granite Stair Treads *(04 43 16 00-0040)*		
04 43 16 00-0045	SF	2" Thick Granite Stair Tread	71.81	8.86
04 43 16 00-0046		Slate *(04 43 16)*		
04 43 16 00-0047		Slate Panels Or Sills *(04 43 16 00-0046)*		
04 43 16 00-0048	SF	1" Thick Slate Panels	63.88	36.98
04 43 16 00-0049	SF	2" Thick Slate Panels	73.35	36.98
04 43 16 00-0050		Slate Sills Or Stools *(04 43 16 00-0046)*		
04 43 16 00-0051	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	28.85	15.84
04 43 16 00-0052	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish	34.87	15.84
04 43 16 00-0053	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	34.02	15.84
04 43 16 00-0054	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish	46.94	15.84
04 43 16 00-0055		Slate Stair Treads *(04 43 16 00-0046)*		
04 43 16 00-0056	SF	2" Thick Slate Stair Tread	42.53	8.86

04 50 Refractory Masonry *(04)*

04 51 Flue Liner Masonry *(04 50)*

Note: Includes mortar joints.

04 51 00 00-0001		Rectangular Flue Liners *(04 51)*		
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners	20.87	
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners	28.84	
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners	32.86	
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners	40.92	
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners	49.99	
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners	56.87	
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners	62.00	
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners	76.56	
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners	81.80	
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners	105.45	
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners	114.87	
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners	136.26	
04 51 00 00-0014		Round Flue Liners *(04 51)*		
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners	51.10	
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners	74.47	
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners	98.02	
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners	119.42	
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners	146.53	
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners	158.39	
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners	202.11	
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners	248.21	
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners	286.45	
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners	325.83	
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners	341.69	
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners	348.17	
04 51 00 00-0027		Standard Chimney Block *(04 51)*		
		Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA	14" x 14" x 8" Concrete Block Chimney Unit	33.74	
04 51 00 00-0029	EA	14" x 18" x 8" Concrete Block Chimney Unit	36.99	
04 51 00 00-0030	EA	16" x 16" x 8" Concrete Block Chimney Unit	37.22	
04 51 00 00-0031	EA	17" x 17" x 8" Concrete Block Chimney Unit	39.08	
04 51 00 00-0032	EA	16" x 20" x 8" Concrete Block Chimney Unit	41.14	
04 51 00 00-0033	EA	17" x 21" x 8" Concrete Block Chimney Unit	43.37	
04 51 00 00-0034	EA	21" x 21" x 8" Concrete Block Chimney Unit	49.01	

04 70 Manufactured Masonry *(04)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

04 72 Cast Stone Masonry *(04 70)*

04 72 00 00-0001 Precast Concrete Lintels *(04 72)*

04 72 00 00-0002 Solid Precast Concrete Lintels *(04 72 00 00-0001)*

04 72 00 00-0003	LF	4" x 8", Solid Precast Concrete Lintel	18.38	
04 72 00 00-0004	LF	6" x 8", Solid Precast Concrete Lintel	23.50	
04 72 00 00-0005	LF	8" x 8", Solid Precast Concrete Lintel	29.08	

04 72 00 00-0006 U Shaped Precast Concrete Lintels *(04 72 00 00-0001)*

Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.

04 72 00 00-0007	LF	6" x 8", U Shaped Precast Concrete Lintel	19.71	
04 72 00 00-0008	LF	8" x 8", U Shaped Precast Concrete Lintel	23.94	
04 72 00 00-0009	LF	12" x 8", U Shaped Precast Concrete Lintel	39.56	

04 72 00 00-0010 Precast Concrete Coping *(04 72)*

Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.

04 72 00 00-0011 Precast Concrete Coping *(04 72 00 00-0010)*

Note: Measured at highest point.

04 72 00 00-0012	SF	2" Thick Precast Concrete Coping	58.75	12.95
04 72 00 00-0013	SF	2-1/2" Thick Precast Concrete Coping	66.54	13.94
04 72 00 00-0014	SF	3" Thick Precast Concrete Coping	76.99	14.93
04 72 00 00-0015	SF	3-1/2" Thick Precast Concrete Coping	83.05	15.94
04 72 00 00-0016	SF	4" Thick Precast Concrete Coping	89.16	16.93
04 72 00 00-0017	SF	5" Thick Precast Concrete Coping	106.33	17.93
04 72 00 00-0018	SF	6" Thick Precast Concrete Coping	121.63	18.92

04 72 00 00-0019 Precast Concrete Window Sills *(04 72)*

Note: Includes caulk and ties.

04 72 00 00-0020 Precast Concrete Window Sills *(04 72 00 00-0019)*

04 72 00 00-0021	LF	6" Wide Precast Concrete Window Sill	43.20	9.96
04 72 00 00-0022	LF	10" Wide Precast Concrete Window Sill	65.49	9.96
04 72 00 00-0023	LF	14" Wide Precast Concrete Window Sill	77.66	9.96

END OF SECTION 04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 Metals

05 01 Maintenance of Metals *(05)*

05 01 50 Maintenance of Metal Fabrications *(05 01)*

05 01 50 51 Cleaning of Metal Fabrications *(05 01 50)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 50 61 Repair of Metal Fabrications *(05 01 50)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 50 63 Refinishing of Metal Fabrications *(05 01 50)*
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 01 70 Maintenance of Decorative Metal *(05 01)*

05 01 70 51 Cleaning of Decorative Metal *(05 01 70)*
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.

05 01 70 61 Repair of Decorative Metal *(05 01 70)*
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.

05 01 70 63 Refinishing of Decorative Metal *(05 01 70)*
See CSI section 05 12 23 00-0143 for field applied cold galvanizing, 05 12 23 00-0145 for metal grinding.

05 05 Common Work Results for Metals *(05)*

05 05 19 Post-Installed Concrete Anchors *(05 05)*

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001 Concrete And Masonry Anchors *(05 05 19)*

05 05 19 00-0002 Expansion Anchors *(05 05 19 00-0001)*
Note: Includes drilling.

05 05 19 00-0003 Wedge Expansion Bolt Anchors *(05 05 19 00-0002)*

05 05 19 00-0004 Zinc Plated Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*
Note: Includes nut and washer.

05 05 19 00-0005	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	13.89	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.33*	
		For >100, Deduct	*-2.67*	
05 05 19 00-0006	EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.01	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.67*	
05 05 19 00-0007	EA	1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	14.44	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.75*	
05 05 19 00-0008	EA	3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.05	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.25*	
05 05 19 00-0009	EA	3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.14	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0010	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.17	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0011	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	17.51	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.28*	
05 05 19 00-0012	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.65	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.65*	
05 05 19 00-0013	EA	1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.72	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.65*	
05 05 19 00-0014	EA	1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	24.86	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.66*	
05 05 19 00-0015	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.23	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.34*	
		For >100, Deduct	*-4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0016	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	25.75	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.35*	
		For >100, Deduct	*-4.70*	
05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	31.91	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.90*	
		For >100, Deduct	*-5.81*	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.02	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.91*	
		For >100, Deduct	*-5.81*	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.26	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.91*	
		For >100, Deduct	*-5.83*	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	32.72	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.92*	
		For >100, Deduct	*-5.85*	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.18	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.87*	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	36.83	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.03*	
		For >100, Deduct	*-6.05*	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.95	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.10*	
		For >100, Deduct	*-6.21*	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	38.47	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.47*	
		For >100, Deduct	*-6.94*	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	38.57	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.47*	
		For >100, Deduct	*-6.94*	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.12	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.48*	
		For >100, Deduct	*-6.97*	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	39.79	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.50*	
		For >100, Deduct	*-7.00*	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.56	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.52*	
		For >100, Deduct	*-7.04*	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	43.48	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.59*	
		For >100, Deduct	*-7.19*	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	47.37	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-7.38*	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	51.75	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.80*	
		For >100, Deduct	*-7.60*	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	50.72	
		For >10 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-3.99*	
		For >100, Deduct	*-7.98*	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	53.01	
		For >10 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-4.04*	
		For >100, Deduct	*-8.09*	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	56.07	
		For >10 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-4.12*	
		For >100, Deduct	*-8.24*	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	62.99	
		For >10 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-5.09*	
		For >100, Deduct	*-10.19*	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	67.33	
		For >10 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-5.20*	
		For >100, Deduct	*-10.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	71.64	
		For >10 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-5.31*	
		For >100, Deduct	*-10.62*	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	81.95	
		For >10 To 50, Deduct	*-3.00*	
		For >50 To 100, Deduct	*-6.55*	
		For >100, Deduct	*-13.11*	
05 05 19 00-0039	EA	1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	85.05	
		For >10 To 50, Deduct	*-3.00*	
		For >50 To 100, Deduct	*-6.63*	
		For >100, Deduct	*-13.26*	

05 05 19 00-0040 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0041	EA	1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	15.02	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 19 00-0042	EA	1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	15.45	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.75*	
05 05 19 00-0043	EA	1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	16.07	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.83*	
05 05 19 00-0044	EA	3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.14	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.36*	
05 05 19 00-0045	EA	3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.51	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.38*	
05 05 19 00-0046	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	19.78	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.39*	
05 05 19 00-0047	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	21.81	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.49*	
05 05 19 00-0048	EA	1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	29.33	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-4.88*	
05 05 19 00-0049	EA	1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.03	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.91*	
05 05 19 00-0050	EA	1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	30.43	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.47*	
		For >100, Deduct	*-4.93*	
05 05 19 00-0051	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	32.28	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.03*	
05 05 19 00-0052	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	35.07	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.58*	
		For >100, Deduct	*-5.17*	
05 05 19 00-0053	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	41.41	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-6.28*	
05 05 19 00-0054	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	43.22	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.19*	
		For >100, Deduct	*-6.37*	
05 05 19 00-0055	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	45.18	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.24*	
		For >100, Deduct	*-6.47*	
05 05 19 00-0056	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	47.78	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-6.60*	
05 05 19 00-0057	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	59.20	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.59*	
		For >100, Deduct	*-7.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0058	EA	3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	49.42	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.74*	
		For >100, Deduct	*-7.48*	
05 05 19 00-0059	EA	3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	53.09	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.83*	
		For >100, Deduct	*-7.67*	
05 05 19 00-0060	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	56.23	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.91*	
		For >100, Deduct	*-7.82*	
05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	56.62	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.92*	
		For >100, Deduct	*-7.84*	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	59.57	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.00*	
		For >100, Deduct	*-7.99*	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	67.22	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.19*	
		For >100, Deduct	*-8.37*	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	78.01	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-4.46*	
		For >100, Deduct	*-8.91*	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	78.85	
		For >10 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-4.69*	
		For >100, Deduct	*-9.38*	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	113.72	
		For >10 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-6.36*	
		For >100, Deduct	*-12.72*	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt	129.68	
		For >10 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-6.76*	
		For >100, Deduct	*-13.52*	

05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	15.39	
		For >10 To 50, Deduct	*-0.66*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.74*	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	16.24	
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	20.35	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.42*	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	20.99	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.45*	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	21.16	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	24.22	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.61*	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	32.26	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.51*	
		For >100, Deduct	*-5.03*	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	34.03	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.56*	
		For >100, Deduct	*-5.11*	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	37.26	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.64*	
		For >100, Deduct	*-5.28*	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	38.06	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.31*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0079		EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	51.31	
			For >10 To 50, Deduct	*-1.40*	
			For >50 To 100, Deduct	*-3.39*	
			For >100, Deduct	*-6.78*	
05 05 19 00-0080		EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	52.28	
			For >10 To 50, Deduct	*-1.40*	
			For >50 To 100, Deduct	*-3.41*	
			For >100, Deduct	*-6.83*	
05 05 19 00-0081		EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	63.26	
			For >10 To 50, Deduct	*-1.67*	
			For >50 To 100, Deduct	*-4.09*	
			For >100, Deduct	*-8.17*	
05 05 19 00-0082		EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt	67.29	
			For >10 To 50, Deduct	*-1.67*	
			For >50 To 100, Deduct	*-4.19*	
			For >100, Deduct	*-8.38*	

05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt *(05 05 19 00-0003)*

Note: Includes nut and washer.

05 05 19 00-0084		EA	1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	27.65	
			For >10 To 50, Deduct	*-1.14*	
			For >50 To 100, Deduct	*-2.40*	
			For >100, Deduct	*-4.80*	
05 05 19 00-0085		EA	1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	28.95	
			For >10 To 50, Deduct	*-1.14*	
			For >50 To 100, Deduct	*-2.43*	
			For >100, Deduct	*-4.86*	
05 05 19 00-0086		EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.23	
			For >10 To 50, Deduct	*-1.14*	
			For >50 To 100, Deduct	*-2.46*	
			For >100, Deduct	*-4.92*	
05 05 19 00-0087		EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	30.89	
			For >10 To 50, Deduct	*-1.14*	
			For >50 To 100, Deduct	*-2.48*	
			For >100, Deduct	*-4.96*	
05 05 19 00-0088		EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	37.38	
			For >10 To 50, Deduct	*-1.40*	
			For >50 To 100, Deduct	*-3.04*	
			For >100, Deduct	*-6.08*	
05 05 19 00-0089		EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	35.83	
			For >10 To 50, Deduct	*-1.40*	
			For >50 To 100, Deduct	*-3.00*	
			For >100, Deduct	*-6.00*	
05 05 19 00-0090		EA	3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	47.89	
			For >10 To 50, Deduct	*-1.67*	
			For >50 To 100, Deduct	*-3.70*	
			For >100, Deduct	*-7.41*	
05 05 19 00-0091		EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	49.31	
			For >10 To 50, Deduct	*-1.67*	
			For >50 To 100, Deduct	*-3.74*	
			For >100, Deduct	*-7.48*	
05 05 19 00-0092		EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	56.30	
			For >10 To 50, Deduct	*-1.67*	
			For >50 To 100, Deduct	*-3.91*	
			For >100, Deduct	*-7.83*	
05 05 19 00-0093		EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	61.80	
			For >10 To 50, Deduct	*-2.35*	
			For >50 To 100, Deduct	*-5.06*	
			For >100, Deduct	*-10.13*	
05 05 19 00-0094		EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	65.83	
			For >10 To 50, Deduct	*-2.35*	
			For >50 To 100, Deduct	*-5.16*	
			For >100, Deduct	*-10.33*	
05 05 19 00-0095		EA	1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt	69.81	
			For >10 To 50, Deduct	*-2.35*	
			For >50 To 100, Deduct	*-5.26*	
			For >100, Deduct	*-10.53*	

05 05 19 00-0096 Concrete Sleeve Anchors *(05 05 19 00-0002)*

05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0098		EA	1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	13.98	
			For >10 To 50, Deduct	*-0.67*	
			For >50 To 100, Deduct	*-1.36*	
			For >100, Deduct	*-2.72*	
05 05 19 00-0099		EA	1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.15	
			For >10 To 50, Deduct	*-0.67*	
			For >50 To 100, Deduct	*-1.36*	
			For >100, Deduct	*-2.72*	
05 05 19 00-0100		EA	1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.35	
			For >10 To 50, Deduct	*-0.67*	
			For >50 To 100, Deduct	*-1.37*	
			For >100, Deduct	*-2.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0101	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.73	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.85*	
05 05 19 00-0102	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	14.88	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0103	EA	3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.70	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.23*	
05 05 19 00-0104	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	16.98	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.25*	
05 05 19 00-0105	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	17.25	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.01	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.61*	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.36	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.31*	
		For >100, Deduct	*-4.62*	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	24.67	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.32*	
		For >100, Deduct	*-4.64*	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.03	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.66*	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.08	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-5.71*	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	30.61	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.87*	
		For >100, Deduct	*-5.74*	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.02	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.88*	
		For >100, Deduct	*-5.76*	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.16	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.91*	
		For >100, Deduct	*-5.82*	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	36.75	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.42*	
		For >100, Deduct	*-6.85*	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	37.74	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.45*	
		For >100, Deduct	*-6.90*	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.64	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.47*	
		For >100, Deduct	*-6.94*	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	40.06	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.51*	
		For >100, Deduct	*-7.01*	

05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors *(05 05 19 00-0096)*

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	15.76	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.80*	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	20.32	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.71*	
		For >100, Deduct	*-3.41*	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	22.04	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.75*	
		For >100, Deduct	*-3.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	30.06	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.45*	
		For >100, Deduct	*-4.91*	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	33.16	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.53*	
		For >100, Deduct	*-5.06*	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	44.88	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.23*	
		For >100, Deduct	*-6.45*	

05 05 19 00-0125 Concrete Strike Anchors *(05 05 19 00-0002)*

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	14.79	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.76*	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.07	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.38*	
		For >100, Deduct	*-2.77*	
05 05 19 00-0128	EA	5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.73	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.45*	
		For >100, Deduct	*-2.90*	
05 05 19 00-0129	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.89	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 19 00-0130	EA	3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	17.96	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.30*	
05 05 19 00-0131	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	18.83	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	
05 05 19 00-0132	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	19.50	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.37*	
05 05 19 00-0133	EA	1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	26.16	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.36*	
		For >100, Deduct	*-4.71*	
05 05 19 00-0134	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	26.68	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.37*	
		For >100, Deduct	*-4.74*	
05 05 19 00-0135	EA	1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	28.20	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.41*	
		For >100, Deduct	*-4.82*	
05 05 19 00-0136	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	30.17	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 19 00-0137	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	34.65	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.97*	
		For >100, Deduct	*-5.94*	
05 05 19 00-0138	EA	5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	36.47	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.02*	
		For >100, Deduct	*-6.03*	
05 05 19 00-0139	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	38.07	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.06*	
		For >100, Deduct	*-6.11*	
05 05 19 00-0140	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	44.34	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.61*	
		For >100, Deduct	*-7.23*	
05 05 19 00-0141	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	46.04	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.66*	
		For >100, Deduct	*-7.31*	

05 05 19 00-0142 Multi-Set Drop-In Anchors *(05 05 19 00-0002)*

05 05 19 00-0143 Zinc Plated Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*

Note: Excludes bolt, nut and washer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0144	EA	1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	19.43	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.89*	
		For >100, Deduct	*-3.78*	
05 05 19 00-0145	EA	3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	23.76	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.61*	
05 05 19 00-0146	EA	1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	28.93	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-2.74*	
		For >100, Deduct	*-5.48*	
05 05 19 00-0147	EA	5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	32.74	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.03*	
		For >100, Deduct	*-6.07*	
05 05 19 00-0148	EA	3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	39.10	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-3.50*	
		For >100, Deduct	*-7.00*	
05 05 19 00-0149		304/18-8 Stainless Steel, Multi-Set Drop-In Anchors *(05 05 19 00-0142)*		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0150	EA	1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	23.06	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.98*	
		For >100, Deduct	*-3.96*	
05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	30.60	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.48*	
		For >100, Deduct	*-4.95*	
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	37.96	
		For >10 To 50, Deduct	*-1.35*	
		For >50 To 100, Deduct	*-2.97*	
		For >100, Deduct	*-5.93*	
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	47.28	
		For >10 To 50, Deduct	*-1.48*	
		For >50 To 100, Deduct	*-3.40*	
		For >100, Deduct	*-6.80*	
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	64.10	
		For >10 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.12*	
		For >100, Deduct	*-8.25*	
05 05 19 00-0155		Single Bolt Expansion Anchors *(05 05 19 00-0002)*		
		Note: Excludes bolt, nut and washer.		
05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	14.23	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.73*	
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.19	
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.88*	
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	17.19	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	25.03	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.66*	
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	34.43	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.97*	
		For >100, Deduct	*-5.93*	
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	41.49	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.54*	
		For >100, Deduct	*-7.08*	
05 05 19 00-0162		Concrete Lag Shield Anchors *(05 05 19 00-0002)*		
		Note: Excludes lag bolt and washer.		
05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	14.31	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.37*	
		For >100, Deduct	*-2.73*	
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	17.04	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.25*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	17.74	
		For >10 To 50, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-1.64*	
		For >100, Deduct	*-3.29*	
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	25.00	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.33*	
		For >100, Deduct	*-4.66*	
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	33.34	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.94*	
		For >100, Deduct	*-5.88*	
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	37.56	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.44*	
		For >100, Deduct	*-6.89*	

05 05 19 00-0169 Chemical And Adhesive Anchors *(05 05 19 00-0001)*

05 05 19 00-0170 Chemically Adhered Anchor Rods *(05 05 19 00-0169)*

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	18.01	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.12*	
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	20.82	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.46*	
05 05 19 00-0173	EA	3/8" x 2-3/4" Long Chemically Adhered Anchor Rod	25.85	
		For >10 To 50, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-2.16*	
		For >100, Deduct	*-4.32*	
05 05 19 00-0174	EA	1/2" x 3-11/16" Long Chemically Adhered Anchor Rod	30.22	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.46*	
		For >100, Deduct	*-4.92*	
05 05 19 00-0175	EA	1/2" x 5-1/2" Long Chemically Adhered Anchor Rod	31.94	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.50*	
		For >100, Deduct	*-5.00*	
05 05 19 00-0176	EA	5/8" x 7" Long Chemically Adhered Anchor Rod	39.53	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.09*	
		For >100, Deduct	*-6.19*	
05 05 19 00-0177	EA	3/4" x 9-1/2" Long Chemically Adhered Anchor Rod	51.15	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.78*	
		For >100, Deduct	*-7.57*	
05 05 19 00-0178	EA	7/8" x 10" Long Chemically Adhered Anchor Rod	60.42	
		For >10 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-4.22*	
		For >100, Deduct	*-8.45*	
05 05 19 00-0179	EA	1" x 11-3/4" Long Chemically Adhered Anchor Rod	82.41	
		For >10 To 50, Deduct	*-2.35*	
		For >50 To 100, Deduct	*-5.58*	
		For >100, Deduct	*-11.16*	
05 05 19 00-0180	EA	1-1/4" x 14" Long Chemically Adhered Anchor Rod	117.79	
		For >10 To 50, Deduct	*-2.96*	
		For >50 To 100, Deduct	*-7.38*	
		For >100, Deduct	*-14.76*	

05 05 19 00-0181 Chemical Adhesives For Bolts, Dowels Or Threaded Rod *(05 05 19 00-0169)*

Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger that the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.

05 05 19 00-0182	EA	1/4" Chemical Adhesive For Bolt Or Threaded Rod	15.19	
		For >10 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.98*	
05 05 19 00-0183	EA	5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	16.63	
		For >10 To 50, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.25*	
05 05 19 00-0184	EA	3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	19.48	
		For >10 To 50, Deduct	*-0.94*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.80*	
05 05 19 00-0185	EA	1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	23.65	
		For >10 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-2.29*	
		For >100, Deduct	*-4.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0186	EA	5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	26.61	
		For >10 To 50, Deduct	*-1.22*	
		For >50 To 100, Deduct	*-2.49*	
		For >100, Deduct	*-4.98*	
05 05 19 00-0187	EA	3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	33.82	
		For >10 To 50, Deduct	*-1.49*	
		For >50 To 100, Deduct	*-3.08*	
		For >100, Deduct	*-6.17*	
05 05 19 00-0188	EA	7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	37.30	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-3.33*	
		For >100, Deduct	*-6.66*	
05 05 19 00-0189	EA	1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	46.55	
		For >10 To 50, Deduct	*-1.93*	
		For >50 To 100, Deduct	*-4.06*	
		For >100, Deduct	*-8.11*	
05 05 19 00-0190	EA	1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	51.62	
		For >10 To 50, Deduct	*-2.09*	
		For >50 To 100, Deduct	*-4.43*	
		For >100, Deduct	*-8.85*	
05 05 19 00-0191	EA	1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	60.07	
		For >10 To 50, Deduct	*-2.37*	
		For >50 To 100, Deduct	*-5.05*	
		For >100, Deduct	*-10.10*	
05 05 19 00-0192	EA	1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	67.56	
		For >10 To 50, Deduct	*-2.58*	
		For >50 To 100, Deduct	*-5.56*	
		For >100, Deduct	*-11.12*	
05 05 19 00-0193	EA	1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	77.43	
		For >10 To 50, Deduct	*-2.81*	
		For >50 To 100, Deduct	*-6.15*	
		For >100, Deduct	*-12.30*	
05 05 19 00-0194	EA	1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	97.87	
		For >10 To 50, Deduct	*-3.30*	
		For >50 To 100, Deduct	*-7.40*	
		For >100, Deduct	*-14.79*	
05 05 19 00-0195	EA	2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod	143.45	
		For >10 To 50, Deduct	*-3.99*	
		For >50 To 100, Deduct	*-9.56*	
		For >100, Deduct	*-19.13*	

05 05 19 00-0196 Grout Concrete Anchor Bolt Or Threaded Rod *(05 05 19 00-0169)*

05 05 19 00-0197	EA	Grout Concrete Anchor Bolt or Threaded Rod	5.23	
		For >10 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.51*	
		For >100, Deduct	*-1.02*	

05 05 19 00-0198 Other Concrete And Masonry Anchors *(05 05 19 00-0001)*

05 05 19 00-0199 Tapcon Masonry Screws *(05 05 19 00-0198)*

Note: Includes drilling. Countersunk or hex head.

05 05 19 00-0200	EA	3/16" x 1-1/4" Tapcon Masonry Screw	13.76	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.70*	
05 05 19 00-0201	EA	3/16" x 2-1/4" Tapcon Masonry Screw	13.84	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0202	EA	3/16" x 3-1/4" Tapcon Masonry Screw	14.03	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.72*	
05 05 19 00-0203	EA	1/4" x 1-1/4" Tapcon Masonry Screw	13.86	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0204	EA	1/4" x 2-1/4" Tapcon Masonry Screw	13.96	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	
05 05 19 00-0205	EA	1/4" x 3-1/4" Tapcon Masonry Screw	14.18	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.73*	

05 05 19 00-0206 Large Diameter, Self-Threading Concrete Fasteners *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0207	EA	3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener	15.34	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.39*	
		For >100, Deduct	*-2.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0208	EA	3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener	16.03	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.82*	
05 05 19 00-0209	EA	3/8" x 3", Large Diameter, Self-Threading Concrete Fastener	16.21	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.41*	
		For >100, Deduct	*-2.83*	
05 05 19 00-0210	EA	3/8" x 4", Large Diameter, Self-Threading Concrete Fastener	16.54	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.42*	
		For >100, Deduct	*-2.84*	
05 05 19 00-0211	EA	3/8" x 5", Large Diameter, Self-Threading Concrete Fastener	16.83	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.43*	
		For >100, Deduct	*-2.86*	
05 05 19 00-0212	EA	1/2" x 3", Large Diameter, Self-Threading Concrete Fastener	17.42	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.44*	
		For >100, Deduct	*-2.89*	
05 05 19 00-0213	EA	1/2" x 4", Large Diameter, Self-Threading Concrete Fastener	18.15	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.92*	
05 05 19 00-0214	EA	1/2" x 5", Large Diameter, Self-Threading Concrete Fastener	18.83	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.48*	
		For >100, Deduct	*-2.96*	
05 05 19 00-0215	EA	1/2" x 6", Large Diameter, Self-Threading Concrete Fastener	20.72	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.05*	
05 05 19 00-0216	EA	5/8" x 3", Large Diameter, Self-Threading Concrete Fastener	20.95	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.53*	
		For >100, Deduct	*-3.06*	
05 05 19 00-0217	EA	5/8" x 4", Large Diameter, Self-Threading Concrete Fastener	22.10	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.12*	
05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener	23.29	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.59*	
		For >100, Deduct	*-3.18*	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener	24.05	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.61*	
		For >100, Deduct	*-3.22*	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener	23.71	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener	24.81	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.63*	
		For >100, Deduct	*-3.26*	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener	27.38	
		For >10 To 50, Deduct	*-0.67*	
		For >50 To 100, Deduct	*-1.69*	
		For >100, Deduct	*-3.39*	

05 05 19 00-0223 Pin Bolt Drives *(05 05 19 00-0198)*

Note: Includes drilling. Zinc plated.

05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive	8.55	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive	8.55	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive	8.61	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive	8.63	
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.82*	
		For >100, Deduct	*-1.64*	

05 05 19 00-0228 Powder Actuated, Shot-In Place Anchors *(05 05 19 00-0198)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor	2.11	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.19*	
		For >100, Deduct	*-0.38*	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor	2.23	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.39*	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor	2.42	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.21*	
		For >100, Deduct	*-0.42*	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor	2.67	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.46*	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor	2.80	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.46*	

05 05 19 00-0234 Powder Actuated, Shot-In Place Anchors With Exposed Thread *(05 05 19 00-0198)*

05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor	2.48	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.20*	
		For >100, Deduct	*-0.41*	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor	3.34	
		For >10 To 50, Deduct	*-0.11*	
		For >50 To 100, Deduct	*-0.25*	
		For >100, Deduct	*-0.51*	

05 05 21 Fastening Methods for Metal *(05 05)*

05 05 21 00-0001 Welding *(05 05 21)*

05 05 21 00-0002 Minimum Charge For Welding *(05 05 21 00-0001)*

05 05 21 00-0003	EA	Welding Minimum Charge Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	516.95	

05 05 21 00-0004 Spot Welding *(05 05 21 00-0001)*

05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each	12.87	
		For Aluminum Welding, Add	*2.04*	
		For Stainless Steel Welding, Add	*3.35*	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each	10.05	
		For Aluminum Welding, Add	*1.62*	
		For Stainless Steel Welding, Add	*2.65*	

05 05 21 00-0007 Field Welding (Seam And Stitch Welding) *(05 05 21 00-0001)*

05 05 21 00-0008 Vertical Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld	8.42	
		For Aluminum Welding, Add	*1.81*	
		For Stainless Steel Welding, Add	*2.79*	
		For Up To 25, Add	*2.72*	
		For >25 To 50, Add	*1.92*	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld	16.15	
		For Aluminum Welding, Add	*3.10*	
		For Stainless Steel Welding, Add	*4.89*	
		For Up To 25, Add	*5.37*	
		For >25 To 50, Add	*3.81*	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld	24.24	
		For Aluminum Welding, Add	*4.67*	
		For Stainless Steel Welding, Add	*7.35*	
		For Up To 25, Add	*8.05*	
		For >25 To 50, Add	*5.72*	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld	31.99	
		For Aluminum Welding, Add	*6.19*	
		For Stainless Steel Welding, Add	*9.74*	
		For Up To 25, Add	*10.62*	
		For >25 To 50, Add	*7.53*	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld	40.38	
		For Aluminum Welding, Add	*7.77*	
		For Stainless Steel Welding, Add	*12.23*	
		For Up To 25, Add	*13.42*	
		For >25 To 50, Add	*9.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld	46.71	
		For Aluminum Welding, Add	*8.36*	
		For Stainless Steel Welding, Add	*13.37*	
		For Up To 25, Add	*15.78*	
		For >25 To 50, Add	*11.23*	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld	55.23	
		For Aluminum Welding, Add	*10.67*	
		For Stainless Steel Welding, Add	*16.79*	
		For Up To 25, Add	*18.34*	
		For >25 To 50, Add	*13.01*	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld	64.32	
		For Aluminum Welding, Add	*11.79*	
		For Stainless Steel Welding, Add	*18.76*	
		For Up To 25, Add	*21.62*	
		For >25 To 50, Add	*15.37*	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld	74.59	
		For Aluminum Welding, Add	*13.72*	
		For Stainless Steel Welding, Add	*21.81*	
		For Up To 25, Add	*25.05*	
		For >25 To 50, Add	*17.80*	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld	101.08	
		For Aluminum Welding, Add	*19.51*	
		For Stainless Steel Welding, Add	*30.71*	
		For Up To 25, Add	*33.57*	
		For >25 To 50, Add	*23.82*	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld	148.83	
		For Aluminum Welding, Add	*27.17*	
		For Stainless Steel Welding, Add	*43.27*	
		For Up To 25, Add	*50.07*	
		For >25 To 50, Add	*35.59*	
05 05 21 00-0020	LF	1" Vertical Fillet Weld	201.21	
		For Aluminum Welding, Add	*38.31*	
		For Stainless Steel Welding, Add	*60.47*	
		For Up To 25, Add	*67.04*	
		For >25 To 50, Add	*47.59*	

05 05 21 00-0021 Horizontal Or Flat Fillet Welds *(05 05 21 00-0007)*

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld	7.13	
		For Aluminum Welding, Add	*1.62*	
		For Stainless Steel Welding, Add	*2.47*	
		For Up To 25, Add	*2.27*	
		For >25 To 50, Add	*1.60*	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld	13.74	
		For Aluminum Welding, Add	*2.78*	
		For Stainless Steel Welding, Add	*4.33*	
		For Up To 25, Add	*4.51*	
		For >25 To 50, Add	*3.20*	
05 05 21 00-0024	LF	1/4" Horizontal Or Flat Fillet Weld	20.55	
		For Aluminum Welding, Add	*4.15*	
		For Stainless Steel Welding, Add	*6.47*	
		For Up To 25, Add	*6.75*	
		For >25 To 50, Add	*4.78*	
05 05 21 00-0025	LF	5/16" Horizontal Or Flat Fillet Weld	27.19	
		For Aluminum Welding, Add	*5.54*	
		For Stainless Steel Welding, Add	*8.63*	
		For Up To 25, Add	*8.91*	
		For >25 To 50, Add	*6.31*	
05 05 21 00-0026	LF	3/8" Horizontal Or Flat Fillet Weld	34.29	
		For Aluminum Welding, Add	*6.93*	
		For Stainless Steel Welding, Add	*10.80*	
		For Up To 25, Add	*11.26*	
		For >25 To 50, Add	*7.98*	
05 05 21 00-0027	LF	7/16" Horizontal Or Flat Fillet Weld	39.44	
		For Aluminum Welding, Add	*7.34*	
		For Stainless Steel Welding, Add	*11.65*	
		For Up To 25, Add	*13.21*	
		For >25 To 50, Add	*9.38*	
05 05 21 00-0028	LF	1/2" Horizontal Or Flat Fillet Weld	46.85	
		For Aluminum Welding, Add	*9.52*	
		For Stainless Steel Welding, Add	*14.83*	
		For Up To 25, Add	*15.36*	
		For >25 To 50, Add	*10.88*	
05 05 21 00-0029	LF	9/16" Horizontal Or Flat Fillet Weld	54.47	
		For Aluminum Welding, Add	*10.45*	
		For Stainless Steel Welding, Add	*16.47*	
		For Up To 25, Add	*18.11*	
		For >25 To 50, Add	*12.86*	
05 05 21 00-0030	LF	5/8" Horizontal Or Flat Fillet Weld	63.58	
		For Aluminum Welding, Add	*12.50*	
		For Stainless Steel Welding, Add	*19.59*	
		For Up To 25, Add	*21.02*	
		For >25 To 50, Add	*14.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0031	LF	3/4" Horizontal Or Flat Fillet Weld	85.84	
		For Aluminum Welding, Add	*17.44*	
		For Stainless Steel Welding, Add	*27.17*	
		For Up To 25, Add	*28.14*	
		For >25 To 50, Add	*19.94*	
05 05 21 00-0032	LF	7/8" Horizontal Or Flat Fillet Weld	124.84	
		For Aluminum Welding, Add	*23.26*	
		For Stainless Steel Welding, Add	*36.87*	
		For Up To 25, Add	*41.81*	
		For >25 To 50, Add	*29.70*	
05 05 21 00-0033	LF	1" Horizontal Or Flat Fillet Weld	170.20	
		For Aluminum Welding, Add	*34.06*	
		For Stainless Steel Welding, Add	*53.21*	
		For Up To 25, Add	*56.02*	
		For >25 To 50, Add	*39.71*	

05 05 23 Metal Fastenings *(05 05)*

05 05 23 00-0001 Hex Bolts *(05 05 23)*

Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0277 for drilling into concrete, 02 41 19 13-0292 for drilling into brick or block, 02 41 19 13-0307 for drilling into wood or plastic, 05 05 23 00-1567 for drilling through steel.

05 05 23 00-0002 A307B Heavy Hex Bolts *(05 05 23 00-0001)*

Note: Includes A307B heavy hex nut and two structural washers.

05 05 23 00-0003 Plain Finish A307B Heavy Hex Bolts *(05 05 23 00-0002)*

05 05 23 00-0004	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt	14.44	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.52*	
05 05 23 00-0005	EA	1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt	15.85	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.59*	
05 05 23 00-0006	EA	5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	15.89	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.59*	
05 05 23 00-0007	EA	5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	18.88	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 23 00-0008	EA	3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	18.25	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.36*	
		For >100, Deduct	*-2.71*	
05 05 23 00-0009	EA	3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	21.82	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.14*	
05 05 23 00-0010	EA	3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	27.40	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.76*	
		For >100, Deduct	*-3.52*	
05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	29.41	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.73*	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	21.77	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.04*	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	26.16	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.73*	
		For >100, Deduct	*-3.45*	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	30.67	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.90*	
		For >100, Deduct	*-3.79*	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	43.42	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.27*	
		For >100, Deduct	*-4.54*	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	50.79	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.22*	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	57.10	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.86*	
		For >100, Deduct	*-5.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0018		**Galvanized A307B Heavy Hex Bolts** *(05 05 23 00-0002)*		
05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	15.13	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.28*	
		For >100, Deduct	*-2.56*	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	16.31	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.31*	
		For >100, Deduct	*-2.62*	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	17.59	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.68*	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	20.58	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.08*	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	20.19	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.40*	
		For >100, Deduct	*-2.81*	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	25.40	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.66*	
		For >100, Deduct	*-3.32*	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	33.57	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.83*	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	39.40	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.11*	
		For >100, Deduct	*-4.23*	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	26.84	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.29*	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	31.87	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	38.05	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.08*	
		For >100, Deduct	*-4.16*	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	56.78	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.61*	
		For >100, Deduct	*-5.21*	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	56.77	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.76*	
		For >100, Deduct	*-5.52*	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	70.95	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-3.21*	
		For >100, Deduct	*-6.42*	
05 05 23 00-0033		**A325 High Strength Structural Bolts** *(05 05 23 00-0001)*		
05 05 23 00-0034		**Plain Finish A325 High Strength Structural Bolts** *(05 05 23 00-0033)*		
		Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt	14.11	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.25*	
		For >100, Deduct	*-2.51*	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	14.42	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.26*	
		For >100, Deduct	*-2.52*	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	15.42	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.29*	
		For >100, Deduct	*-2.57*	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	18.91	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.50*	
		For >100, Deduct	*-3.00*	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	21.89	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	16.80	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	20.38	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.54*	
		For >100, Deduct	*-3.07*	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	23.20	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.65*	
		For >100, Deduct	*-3.31*	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	28.53	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.84*	
		For >100, Deduct	*-3.69*	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	19.49	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.46*	
		For >100, Deduct	*-2.93*	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	23.74	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.33*	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	27.10	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.81*	
		For >100, Deduct	*-3.61*	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	29.36	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.92*	
		For >100, Deduct	*-3.84*	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt	21.55	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	25.92	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.78*	
		For >100, Deduct	*-3.56*	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	30.02	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.87*	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	38.45	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.23*	
		For >100, Deduct	*-4.45*	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt	36.71	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.18*	
		For >100, Deduct	*-4.36*	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt	41.60	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.76*	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt	48.84	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.66*	
		For >100, Deduct	*-5.31*	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt	57.33	2.46
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-2.96*	
		For >100, Deduct	*-5.93*	

05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts *(05 05 23 00-0033)*

Note: Includes A325 heavy hex nut and structural washer.

05 05 23 00-0057	EA	1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt	14.74	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.54*	
05 05 23 00-0058	EA	1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	14.96	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.27*	
		For >100, Deduct	*-2.55*	
05 05 23 00-0059	EA	5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	16.73	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.32*	
		For >100, Deduct	*-2.64*	
05 05 23 00-0060	EA	5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	19.84	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.52*	
		For >100, Deduct	*-3.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0061	EA	5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	21.00	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.60*	
		For >100, Deduct	*-3.20*	
05 05 23 00-0062	EA	3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	17.40	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.34*	
		For >100, Deduct	*-2.67*	
05 05 23 00-0063	EA	3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	21.14	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.56*	
		For >100, Deduct	*-3.11*	
05 05 23 00-0064	EA	3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	24.38	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.68*	
		For >100, Deduct	*-3.37*	
05 05 23 00-0065	EA	3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	31.33	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.91*	
		For >100, Deduct	*-3.83*	
05 05 23 00-0066	EA	7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	23.11	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.55*	
		For >100, Deduct	*-3.11*	
05 05 23 00-0067	EA	7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	25.88	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.72*	
		For >100, Deduct	*-3.44*	
05 05 23 00-0068	EA	7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	29.69	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.87*	
		For >100, Deduct	*-3.74*	
05 05 23 00-0069	EA	7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	37.14	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.12*	
		For >100, Deduct	*-4.23*	
05 05 23 00-0070	EA	1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt	24.36	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.25*	
05 05 23 00-0071	EA	1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	32.37	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.94*	
		For >100, Deduct	*-3.88*	
05 05 23 00-0072	EA	1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	35.42	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.07*	
		For >100, Deduct	*-4.14*	
05 05 23 00-0073	EA	1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	45.11	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.39*	
		For >100, Deduct	*-4.78*	
05 05 23 00-0074	EA	1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt	44.84	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.38*	
		For >100, Deduct	*-4.77*	
05 05 23 00-0075	EA	1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt	47.81	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.54*	
		For >100, Deduct	*-5.07*	
05 05 23 00-0076	EA	1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt	55.95	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.67*	
05 05 23 00-0077	EA	1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt	64.75	2.46
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-3.15*	
		For >100, Deduct	*-6.30*	

05 05 23 00-0078 A490 High Strength Structural Bolts *(05 05 23 00-0001)*

Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts *(05 05 23 00-0078)*

05 05 23 00-0080	EA	5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	15.91	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.30*	
		For >100, Deduct	*-2.60*	
05 05 23 00-0081	EA	5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	22.28	1.64
		For >10 To 50, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-1.58*	
		For >100, Deduct	*-3.17*	
05 05 23 00-0082	EA	5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	23.84	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0083	EA	3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	17.82	1.44
		For >10 To 50, Deduct	*-0.60*	
		For >50 To 100, Deduct	*-1.35*	
		For >100, Deduct	*-2.69*	
05 05 23 00-0084	EA	3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	21.55	1.64
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.57*	
		For >100, Deduct	*-3.13*	
05 05 23 00-0085	EA	3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	25.07	1.72
		For >10 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.70*	
		For >100, Deduct	*-3.40*	
05 05 23 00-0086	EA	3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	32.18	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.93*	
		For >100, Deduct	*-3.87*	
05 05 23 00-0087	EA	7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	20.67	1.56
		For >10 To 50, Deduct	*-0.65*	
		For >50 To 100, Deduct	*-1.49*	
		For >100, Deduct	*-2.99*	
05 05 23 00-0088	EA	7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	24.11	1.72
		For >10 To 50, Deduct	*-0.71*	
		For >50 To 100, Deduct	*-1.67*	
		For >100, Deduct	*-3.35*	
05 05 23 00-0089	EA	7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	34.72	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-2.00*	
		For >100, Deduct	*-4.00*	
05 05 23 00-0090	EA	1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt	24.30	1.62
		For >10 To 50, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-1.62*	
		For >100, Deduct	*-3.24*	
05 05 23 00-0091	EA	1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	29.02	1.80
		For >10 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.86*	
		For >100, Deduct	*-3.71*	
05 05 23 00-0092	EA	1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	33.35	1.89
		For >10 To 50, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-2.02*	
		For >100, Deduct	*-4.04*	
05 05 23 00-0093	EA	1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt	41.63	2.02
		For >10 To 50, Deduct	*-0.84*	
		For >50 To 100, Deduct	*-2.30*	
		For >100, Deduct	*-4.61*	
05 05 23 00-0094	EA	1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt	53.34	2.15
		For >10 To 50, Deduct	*-0.89*	
		For >50 To 100, Deduct	*-2.67*	
		For >100, Deduct	*-5.35*	
05 05 23 00-0095	EA	1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt	56.15	2.30
		For >10 To 50, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-2.84*	
		For >100, Deduct	*-5.68*	
05 05 23 00-0096	EA	1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt	58.58	2.46
		For >10 To 50, Deduct	*-1.02*	
		For >50 To 100, Deduct	*-3.00*	
		For >100, Deduct	*-5.99*	

05 05 23 00-0097 Hex Head Bolts *(05 05 23 00-0001)*

05 05 23 00-0098 Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0099 1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0100	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.52	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0101	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.54	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0102	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.66	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.96	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.99	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.10	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.29	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.94	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.24	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.59	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.68	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.74	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.04	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0125	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0126	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.82	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0127	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.12	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0128	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.19	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0129	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0130	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.43	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0131	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.73	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0132	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0133 3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0134	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0135	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0136	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.79	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0137	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0138	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.20	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0139	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0140	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.51	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0141	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	9.90	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0142	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0143	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0144	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.67	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0145	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.79	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0146	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.86	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.28	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.46	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0150		7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0151	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.24	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.37	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.39	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.80	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.99	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.80	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.15	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.78	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.89	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.18	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.81	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.32	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0166		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0167	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.14	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.29	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0169	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0170	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.85	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0171	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.01	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0172	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.17	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0173	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.62	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0174	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.80	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0175	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.12	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0176	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.41	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0177	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.45	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0178	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0179	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.21	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0180	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0181	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0182	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.32	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0183	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.49	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0184	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.33	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

05 05 23 00-0186 9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0187	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0188	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.50	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0189	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	10.56	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0190	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.48	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.76	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.85	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.12	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.19	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.42	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.72	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.79	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.00	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.70	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.95	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.41	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.69	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.89	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.18	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0206		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	11.97	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.10	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.29	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.77	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.38	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0213	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0214	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.56	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0215	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.97	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0216	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.36	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0217	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.42	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0218	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.10	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0219	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.73	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0220	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.27	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0221	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.91	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0222	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.83	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0223	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.45	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0224	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.09	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0225	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.58	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0226		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0227	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.43	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0228	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.71	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0229	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	12.97	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0230	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.53	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0231	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	13.94	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0232	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.29	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0233	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	14.91	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0234	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.41	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.79	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.83	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.15	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.76	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.04	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.46	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.12	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.23	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.89	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.77	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.62	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-0246 7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*

05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.11	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.34	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	15.46	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.03	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.68	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.43	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	18.30	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.40	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.01	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.73	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0257	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.09	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0258	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.96	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0259	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.06	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0260	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.94	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0261	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	24.81	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0262	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.87	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0263	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.78	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0264	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.63	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0265	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.53	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0266		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0098)*		
05 05 23 00-0267	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	16.17	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0268	EA	1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	17.76	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0269	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	19.00	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0270	EA	1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	20.26	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0271	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	21.40	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0272	EA	1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	22.82	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0273	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	23.92	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0274	EA	1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.06	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0275	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	25.86	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0276	EA	1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	26.41	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0277	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	27.37	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0278	EA	1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	28.56	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	29.51	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	30.49	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	31.52	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	32.63	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	33.62	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt	34.61	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.57	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.62	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.22	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.39	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.75	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.09	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.48	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.61	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.73	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.13	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0302	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0303 5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0304	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.67	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0305	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.71	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0306	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0307	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0308	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.21	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0309	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0310	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.60	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0311	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0312	EA	5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0313	EA	5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.35	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0314	EA	5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0315	EA	5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.02	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0316	EA	5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0317	EA	5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.82	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0318	EA	5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.16	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0319	EA	5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0320 3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0321	EA	3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.73	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0322	EA	3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0323	EA	3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.87	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0324	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	8.99	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.50	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.72	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.20	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.71	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.95	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.11	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.62	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.14	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.55	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.15	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.26	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.52	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.16	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.81	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.84	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.29	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.68	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.89	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.11	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.65	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.94	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.24	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

05 05 23 00-0353 1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.29	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.58	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.07	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.55	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.01	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.81	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.86	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.66	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.97	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.77	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.73	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.19	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.35	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.42	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.21	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.32	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.75	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

05 05 23 00-0373 9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.72	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.98	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.22	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.72	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.40	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.06	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.82	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.47	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.86	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.15	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.98	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.51	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.40	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.49	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.81	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0391	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.13	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0392	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.94	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0394	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.21	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0395	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.30	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0396	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0397	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.86	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0398	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.29	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0399	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.68	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0400	EA	5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.32	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0401	EA	5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.07	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0402	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.47	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0403	EA	5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.91	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0404	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.55	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0405	EA	5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.58	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0406	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.75	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0407	EA	5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.59	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0408	EA	5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.72	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0409	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.49	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0410	EA	5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.62	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0411	EA	5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.29	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0412	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.88	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.42	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.03	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.45	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.10	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.78	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.19	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.07	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.71	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.43	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.31	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.81	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.72	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.24	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.85	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.32	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.83	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.21	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-0433 7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.56	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.77	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0436	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.05	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0437	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.59	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0438	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.44	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0439	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.01	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0440	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.68	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0441	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.68	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0442	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.45	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0443	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.05	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0444	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.68	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0445	EA	7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.40	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0446	EA	7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.61	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0447	EA	7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.80	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0448	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.88	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0449	EA	7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.84	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0450	EA	7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.01	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0451	EA	7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.00	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0452	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	32.00	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0453 1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts *(05 05 23 00-0285)*

05 05 23 00-0454	EA	1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.46	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0455	EA	1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.53	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0456	EA	1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.41	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0457	EA	1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.24	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.85	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.86	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.83	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.24	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.49	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.79	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.76	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.27	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.36	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	30.96	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	37.91	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	38.44	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	39.88	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	40.86	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.60	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.70	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.86	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.16	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.28	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.40	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0481	EA	1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.64	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0482	EA	1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0483	EA	1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.27	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0484	EA	1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.67	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0485	EA	1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0486	EA	1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.05	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0487	EA	1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.42	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0488	EA	1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.82	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0489	EA	1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0490 5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0491	EA	5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.69	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0492	EA	5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0493	EA	5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.94	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0494	EA	5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.98	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0495	EA	5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.33	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0496	EA	5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0497	EA	5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.70	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0498	EA	5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.11	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0499	EA	5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.29	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0500	EA	5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.70	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0501	EA	5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0502	EA	5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.34	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0503	EA	5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0504	EA	5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.99	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0505	EA	5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.17	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0506	EA	5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.52	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 05 23 00-0507 3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0508	EA	3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0509	EA	3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.91	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0510	EA	3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0511	EA	3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.15	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0512	EA	3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.53	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0513	EA	3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.76	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0514	EA	3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.96	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0515	EA	3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0516	EA	3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.10	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0517	EA	3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0518	EA	3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0519	EA	3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.78	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0520	EA	3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.05	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0521	EA	3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.58	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0522	EA	3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.15	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0523	EA	3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.48	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0524 7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0525	EA	7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.30	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0526	EA	7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.33	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0527	EA	7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.69	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0528	EA	7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0529	EA	7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0530	EA	7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0531	EA	7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.87	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0532	EA	7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.76	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0533	EA	7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0534	EA	7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.17	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0535	EA	7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.42	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0536	EA	7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.78	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0537	EA	7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.57	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0538	EA	7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0539	EA	7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.83	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

05 05 23 00-0540 1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0541	EA	1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.54	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0542	EA	1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.80	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0543	EA	1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.96	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0544	EA	1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.37	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0545	EA	1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.65	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0546	EA	1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.30	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0547	EA	1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.99	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0548	EA	1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.37	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0549	EA	1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0550	EA	1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.35	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0551	EA	1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.17	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0552	EA	1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.92	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0553	EA	1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.81	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0554	EA	1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.14	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0555	EA	1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.08	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0556	EA	1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.87	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0557	EA	1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.54	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0558	EA	1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.89	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0559	EA	1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.56	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0561	EA	9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.78	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0562	EA	9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.93	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0563	EA	9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0564	EA	9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0565	EA	9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.20	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0566	EA	9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.73	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0567	EA	9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.32	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0568	EA	9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.05	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0569	EA	9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.39	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0570	EA	9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.91	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0571	EA	9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.66	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0572	EA	9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.49	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0573	EA	9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.06	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0574	EA	9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.16	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0575	EA	9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.62	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

05 05 23 00-0576 5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0577	EA	5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.54	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0578	EA	5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.70	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0579	EA	5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.10	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0580	EA	5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.92	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0581	EA	5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.40	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0582	EA	5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.66	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0583	EA	5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.08	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0584	EA	5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.94	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0585	EA	5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.31	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0586	EA	5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.94	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0587	EA	5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.34	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0588	EA	5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.18	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0589	EA	5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.42	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0590	EA	5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.37	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0591	EA	5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.78	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.71	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.59	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.73	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.48	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.44	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.61	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.21	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.56	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.58	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.25	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.34	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.72	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.46	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.18	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.54	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.44	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.16	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.54	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.56	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.88	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0614	EA	3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.83	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0615	EA	3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.18	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0616		7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*		
05 05 23 00-0617	EA	7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.09	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0618	EA	7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.54	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0619	EA	7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.45	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0620	EA	7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.79	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0621	EA	7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.95	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0622	EA	7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.47	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0623	EA	7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.72	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0624	EA	7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.55	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0625	EA	7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.72	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0626	EA	7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.94	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0627	EA	7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	31.08	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0628	EA	7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.37	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0629	EA	7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	35.60	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0630	EA	7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	36.91	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0631	EA	7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.20	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0632	EA	7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.57	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0633	EA	7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	38.90	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0634	EA	7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	39.67	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0635 1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts *(05 05 23 00-0472)*

05 05 23 00-0636	EA	1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.37	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.49	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.23	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	21.08	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.65	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	23.31	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.67	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.48	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	27.57	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.34	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.13	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	32.95	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.23	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	37.97	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	40.49	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	41.73	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	44.99	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	46.98	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.73	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.75	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.77	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.00	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0660	EA	1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.36	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0661	EA	1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.49	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0662	EA	1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.55	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0663	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.80	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0664	EA	1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.97	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0665	EA	1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.01	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0666	EA	1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0667	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.50	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0668	EA	1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0669	EA	1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.91	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0670	EA	1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.30	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0671	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.79	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0672 5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0673	EA	5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.63	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0674	EA	5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.08	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0675	EA	5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0676	EA	5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.13	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0677	EA	5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.57	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0678	EA	5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0679	EA	5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.07	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0680	EA	5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.43	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0681	EA	5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.47	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.81	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.14	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.27	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.59	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.47	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.98	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.76	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.87	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	8.98	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.25	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.61	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.84	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.46	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.57	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.84	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.20	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.58	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.90	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0704	EA	3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.94	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0705	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.38	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0706 7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0707	EA	7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.63	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0708	EA	7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.11	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0709	EA	7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.49	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0710	EA	7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.36	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0711	EA	7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.39	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0712	EA	7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.43	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0713	EA	7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.98	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0714	EA	7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.33	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0715	EA	7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.64	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0716	EA	7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.24	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0717	EA	7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.60	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	

05 05 23 00-0718 1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0719	EA	1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.41	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0720	EA	1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.57	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0721	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.89	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0722	EA	1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.50	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0723	EA	1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0724	EA	1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.20	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0725	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.51	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.68	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.04	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.86	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.90	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.22	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.32	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.63	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.32	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.57	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.62	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.76	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.19	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.44	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.61	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.12	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.48	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.29	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.65	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.80	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.04	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0748	EA	5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.60	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0749	EA	5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.88	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0750	EA	5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.71	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0751	EA	5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.00	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0752	EA	5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.45	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0753	EA	5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.88	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0754	EA	5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.73	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0755	EA	5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.41	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0756	EA	5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.98	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0757	EA	5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.09	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-0758 3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0759	EA	3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.37	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0760	EA	3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.42	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0761	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.72	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0762	EA	3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.63	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0763	EA	3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.76	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0764	EA	3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.49	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0765	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.11	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0766	EA	3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.18	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0767	EA	3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.33	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0768	EA	3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.67	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0769	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.62	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.03	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.04	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.17	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.56	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.38	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.80	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.03	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.15	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	16.90	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.37	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.88	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.30	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.66	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.37	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.87	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.52	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.21	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.72	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	27.72	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	28.51	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.44	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0792	EA	7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.66	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0793	EA	7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.16	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0794	EA	7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.68	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0795	EA	7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.33	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0796	EA	7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.93	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0797 1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts *(05 05 23 00-0654)*

05 05 23 00-0798	EA	1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.15	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0799	EA	1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.54	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0800	EA	1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.41	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0801	EA	1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.10	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0802	EA	1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.90	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0803	EA	1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.25	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0804	EA	1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.26	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0805	EA	1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.61	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0806	EA	1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.98	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0807	EA	1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	29.41	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0808	EA	1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.30	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0809	EA	1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.73	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0810	EA	1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.16	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0811	EA	1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	33.82	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0812	EA	1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	34.98	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0813	EA	1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	35.86	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0814	EA	1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	37.15	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0815 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0816 1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0817	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.69	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0818	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.80	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0819	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.93	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0820	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.07	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0821	EA	1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.46	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0822	EA	1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.68	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0823	EA	1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.94	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0824	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.36	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0825	EA	1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.68	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0826	EA	1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0827	EA	1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.45	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0828	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.92	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0829	EA	1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.65	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0830	EA	1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.67	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0831	EA	1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.94	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0832	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.59	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0833 5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0834	EA	5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.88	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0835	EA	5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	8.98	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0836	EA	5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0837	EA	5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.35	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0838	EA	5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.89	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0839	EA	5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.00	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0840	EA	5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.53	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0841	EA	5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.15	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0842	EA	5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.74	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0843	EA	5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0844	EA	5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.20	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0845	EA	5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.69	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0846	EA	5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.10	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0847	EA	5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.84	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0848 3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0849	EA	3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.14	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0850	EA	3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.26	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0851	EA	3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.59	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0852	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	9.99	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0853	EA	3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.44	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0854	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	10.77	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0855	EA	3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.21	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0856	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.83	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0857	EA	3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.34	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0858	EA	3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.46	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0859	EA	3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.84	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0860	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.76	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0861	EA	3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-0862	EA	3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.43	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0863	EA	3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.71	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-0864	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.69	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-0865 7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0866	EA	7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.38	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0867	EA	7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.51	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0868	EA	7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.04	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0869	EA	7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0870	EA	7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0871	EA	7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.26	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0872	EA	7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.98	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0873	EA	7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.21	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0874	EA	7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.75	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0875	EA	7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.67	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0876	EA	7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.54	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0877	EA	7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.79	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0878	EA	7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.26	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

05 05 23 00-0879 1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0880	EA	1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.36	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0881	EA	1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	11.51	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0882	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.34	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0883	EA	1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	12.90	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0884	EA	1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	13.65	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0885	EA	1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.05	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0886	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.79	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0887	EA	1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.15	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0888	EA	1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.10	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0889	EA	1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.89	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0890	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.77	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0891	EA	1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	19.78	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0892	EA	1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.50	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0893	EA	1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.09	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0894	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.03	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-0895	EA	1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.88	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0896	EA	1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.25	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0897	EA	1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.85	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0898	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.44	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

05 05 23 00-0899 9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0900	EA	9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.67	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0901	EA	9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.37	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0902	EA	9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.36	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-0903	EA	9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.20	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.26	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.11	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.07	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.49	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.41	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.50	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.59	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	

05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.02	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.41	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.04	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.55	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.33	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.43	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.06	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.08	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.32	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	22.25	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.37	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.47	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.95	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.80	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0926	EA	5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.64	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0927	EA	5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	36.30	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0928	EA	5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.39	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0929	EA	5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	42.27	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0930	EA	5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	44.27	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-0931 3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*

05 05 23 00-0932	EA	3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.80	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0933	EA	3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	16.56	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0934	EA	3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.57	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-0935	EA	3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.90	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0936	EA	3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.00	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0937	EA	3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.87	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-0938	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.22	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0939	EA	3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.95	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0940	EA	3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.34	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-0941	EA	3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	28.01	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0942	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.62	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0943	EA	3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	32.65	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-0944	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.95	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0945	EA	3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.52	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0946	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.02	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-0947	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.51	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0948	EA	3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	50.38	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0949	EA	3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	52.73	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0950	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.54	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0951		7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*		
05 05 23 00-0952	EA	7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.77	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0953	EA	7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.67	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0954	EA	7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.37	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0955	EA	7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.30	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0956	EA	7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.93	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0957	EA	7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	29.75	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0958	EA	7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.37	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0959	EA	7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.57	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0960	EA	7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.43	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0961	EA	7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.05	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0962	EA	7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	45.94	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0963	EA	7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	49.59	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0964	EA	7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	53.58	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0965	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	56.79	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0966	EA	7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.79	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0967	EA	7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	74.61	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0968	EA	7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	78.23	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0969	EA	7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	81.83	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0970		1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts *(05 05 23 00-0815)*		
05 05 23 00-0971	EA	1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.38	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-0972	EA	1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	27.77	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0973	EA	1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.08	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0974	EA	1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	31.83	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0975	EA	1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	34.70	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-0976	EA	1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	38.17	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0977	EA	1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.17	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0978	EA	1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	43.13	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-0979	EA	1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.15	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0980	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	46.31	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0981	EA	1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	54.25	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-0982	EA	1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	64.53	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0983	EA	1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	66.03	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0984	EA	1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt	67.52	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-0985	EA	1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	70.75	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0986	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt	75.34	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0987	EA	1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	96.16	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-0988	EA	1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt	120.42	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

05 05 23 00-0989 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0097)*

05 05 23 00-0990 1/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-0991	EA	1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	8.89	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0992	EA	1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.11	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0993	EA	1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.27	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.38	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.93	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.22	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.50	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.97	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.21	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.31	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.28	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	12.48	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	19.77	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	28.83	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	48.29	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	52.73	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.19	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.44	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.86	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.17	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.55	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.19	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.64	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.07	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.03	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	13.22	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	14.14	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	14.88	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.09	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	30.13	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.85	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.95	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.34	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	11.26	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.10*	
		For >500, Deduct	*-2.52*	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.83	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	12.00	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.81	
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 500, Deduct	*-2.16*	
		For >500, Deduct	*-2.60*	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	13.16	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.67	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	14.02	
		For >100 To 250, Deduct	*-1.78*	
		For >250 To 500, Deduct	*-2.22*	
		For >500, Deduct	*-2.67*	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.38	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	16.74	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.80	
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.28*	
		For >500, Deduct	*-2.74*	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	20.48	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.10	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	
05 05 23 00-1038	EA	3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	32.17	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-2.34*	
		For >500, Deduct	*-2.81*	

05 05 23 00-1039 7/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1040	EA	7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.59	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1041	EA	7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.17	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1042	EA	7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.26	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1043	EA	7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.44	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-1044	EA	7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.49	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-1045	EA	7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.21	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-1046	EA	7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	20.09	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1047	EA	7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.39	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1048	EA	7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	21.02	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1049	EA	7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	21.69	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-1050	EA	7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	22.14	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-1051	EA	7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.59	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-1052	EA	7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	23.18	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	

05 05 23 00-1053 1/2" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1054	EA	1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	12.56	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1055	EA	1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	13.19	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1056	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	14.07	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1057	EA	1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	15.36	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1058	EA	1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	16.33	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-1059	EA	1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	16.57	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-1060	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	17.21	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1061	EA	1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	19.08	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1062	EA	1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	22.87	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1063	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.41	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-1064	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	24.01	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-1065	EA	1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.70	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-1066	EA	1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	32.08	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1067	EA	1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.11	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1068	EA	1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	37.47	
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-2.64*	
		For >500, Deduct	*-3.17*	
05 05 23 00-1069	EA	1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	46.61	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1070	EA	1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	52.34	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1071	EA	1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.29	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1072	EA	1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	54.75	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	

05 05 23 00-1073 9/16" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1074	EA	9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	28.28	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1075	EA	9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.34	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1076	EA	9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	37.25	
		For >100 To 250, Deduct	*-1.92*	
		For >250 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-2.88*	
05 05 23 00-1077	EA	9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.36	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-1078	EA	9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	45.44	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1079	EA	9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	49.52	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-2.95*	
05 05 23 00-1080	EA	9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	52.30	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1081	EA	9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	55.67	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1082	EA	9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	58.65	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-2.52*	
		For >500, Deduct	*-3.02*	
05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	59.80	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	62.43	
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.10*	

05 05 23 00-1085 5/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	16.97	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	17.15	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	17.21	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.63	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	19.84	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	23.68	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	24.73	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.09	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	29.26	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.70	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	32.65	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.54	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	40.90	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	41.65	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	44.40	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.12	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	49.45	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.57	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	72.46	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-1105 3/4" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	21.65	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	22.06	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	23.66	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-2.70*	
		For >500, Deduct	*-3.24*	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.31	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	28.30	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	30.03	
		For >100 To 250, Deduct	*-2.21*	
		For >250 To 500, Deduct	*-2.76*	
		For >500, Deduct	*-3.32*	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	33.96	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.49	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	36.32	
		For >100 To 250, Deduct	*-2.26*	
		For >250 To 500, Deduct	*-2.82*	
		For >500, Deduct	*-3.39*	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	37.68	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	39.59	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	45.48	
		For >100 To 250, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-2.88*	
		For >500, Deduct	*-3.46*	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	54.24	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.87	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	61.87	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-2.94*	
		For >500, Deduct	*-3.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	66.10	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	76.16	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	77.02	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	79.14	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	

05 05 23 00-1125 7/8" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*

05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	24.36	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	27.13	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	28.88	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	32.76	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.49	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	36.25	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.60	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	43.88	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	44.25	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	46.00	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	60.77	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	67.52	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	74.53	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	77.99	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	82.71	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	85.71	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	88.69	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	92.04	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1144		1" Diameter, 316 Stainless Steel, Hex Head Bolts *(05 05 23 00-0989)*		
05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	30.44	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-3.00*	
		For >500, Deduct	*-3.60*	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.95	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	37.81	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	42.37	
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-3.68*	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	44.24	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.33	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	50.45	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.12*	
		For >500, Deduct	*-3.75*	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.83	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	61.90	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.85	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.18*	
		For >500, Deduct	*-3.82*	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	80.97	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	90.12	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	91.44	
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-3.24*	
		For >500, Deduct	*-3.89*	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	94.67	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	95.92	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	111.11	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	125.77	
		For >100 To 250, Deduct	*-2.64*	
		For >250 To 500, Deduct	*-3.30*	
		For >500, Deduct	*-3.96*	
05 05 23 00-1162		Screws *(05 05 23)*		
05 05 23 00-1163		Teks® 5 Self Drilling Screws *(05 05 23 00-1162)*		
		Note: Includes Climaseal® finish, self-drill point and tapping threads.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw	4.54	
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.41*	
		For >100, Deduct	*-0.83*	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw	4.73	
		For >10 To 50, Deduct	*-0.20*	
		For >50 To 100, Deduct	*-0.42*	
		For >100, Deduct	*-0.84*	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw	5.28	
		For >10 To 50, Deduct	*-0.21*	
		For >50 To 100, Deduct	*-0.45*	
		For >100, Deduct	*-0.90*	
05 05 23 00-1167	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.25	
		For >10 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-0.58*	
		For >100, Deduct	*-1.16*	
05 05 23 00-1168	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	7.74	
		For >10 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.61*	
		For >100, Deduct	*-1.23*	
05 05 23 00-1169	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	9.56	
		For >10 To 50, Deduct	*-0.29*	
		For >50 To 100, Deduct	*-0.68*	
		For >100, Deduct	*-1.36*	
05 05 23 00-1170	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw	10.67	
		For >10 To 50, Deduct	*-0.31*	
		For >50 To 100, Deduct	*-0.73*	
		For >100, Deduct	*-1.45*	

05 05 23 00-1171 Security Screws *(05 05 23 00-1162)*

05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws *(05 05 23 00-1171)*

Note: Includes "security" style drive in machine or sheet metal screw threads.

05 05 23 00-1173	EA	#4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.52	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.34*	
		For >100, Deduct	*-0.68*	
05 05 23 00-1174	EA	#6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	3.95	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.35*	
		For >100, Deduct	*-0.70*	
05 05 23 00-1175	EA	#6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.32	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.72*	
05 05 23 00-1176	EA	#6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.44	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1177	EA	#6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.68	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1178	EA	#8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.05	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.35*	
		For >100, Deduct	*-0.71*	
05 05 23 00-1179	EA	#8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.22	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.72*	
05 05 23 00-1180	EA	#8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.59	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1181	EA	#8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.70	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.74*	
05 05 23 00-1182	EA	#10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.16	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.71*	
05 05 23 00-1183	EA	#10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.20	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.71*	
05 05 23 00-1184	EA	#10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.36	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.72*	
05 05 23 00-1185	EA	#10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	4.86	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1186	EA	1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.44	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.36*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1187	EA	1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.56	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.37*	
		For >100, Deduct	*-0.73*	
05 05 23 00-1188	EA	1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.03	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.38*	
		For >100, Deduct	*-0.76*	
05 05 23 00-1189	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.78	
		For >10 To 50, Deduct	*-0.17*	
		For >50 To 100, Deduct	*-0.40*	
		For >100, Deduct	*-0.79*	

05 05 23 00-1190 Threaded Rod *(05 05 23)*

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1192	LF	1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	2.39	0.57
		For Left Hand Threaded Rod, Add	*0.12*	
05 05 23 00-1193	LF	5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.14	0.63
		For Left Hand Threaded Rod, Add	*0.19*	
05 05 23 00-1194	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.64	0.73
		For Left Hand Threaded Rod, Add	*0.22*	
05 05 23 00-1195	LF	7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.92	0.74
		For Left Hand Threaded Rod, Add	*0.34*	
05 05 23 00-1196	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.03	0.77
		For Left Hand Threaded Rod, Add	*0.35*	
05 05 23 00-1197	LF	9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.24	0.78
		For Left Hand Threaded Rod, Add	*0.47*	
05 05 23 00-1198	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.02	0.79
		For Left Hand Threaded Rod, Add	*0.54*	
05 05 23 00-1199	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.52	0.82
		For Left Hand Threaded Rod, Add	*0.99*	
05 05 23 00-1200	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.55	0.85
		For Left Hand Threaded Rod, Add	*1.09*	
05 05 23 00-1201	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.18	0.95
		For Left Hand Threaded Rod, Add	*1.53*	
05 05 23 00-1202	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.37	1.06
		For Left Hand Threaded Rod, Add	*1.93*	
05 05 23 00-1203	LF	1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	28.36	1.15
		For Left Hand Threaded Rod, Add	*2.60*	
05 05 23 00-1204	LF	1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	35.28	1.25
		For Left Hand Threaded Rod, Add	*3.28*	
05 05 23 00-1205	LF	1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	42.19	1.30
		For Left Hand Threaded Rod, Add	*3.96*	
05 05 23 00-1206	LF	1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	51.75	1.36
		For Left Hand Threaded Rod, Add	*4.90*	
05 05 23 00-1207	LF	2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	66.09	1.43
		For Left Hand Threaded Rod, Add	*6.32*	

05 05 23 00-1208 Zinc Plated Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*

05 05 23 00-1209	LF	1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	2.41	0.57
		For Left Hand Threaded Rod, Add	*0.13*	
05 05 23 00-1210	LF	5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.55	0.63
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1211	LF	3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	3.95	0.73
		For Left Hand Threaded Rod, Add	*0.25*	
05 05 23 00-1212	LF	7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	5.69	0.74
		For Left Hand Threaded Rod, Add	*0.42*	
05 05 23 00-1213	LF	1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	6.12	0.77
		For Left Hand Threaded Rod, Add	*0.46*	
05 05 23 00-1214	LF	9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.01	0.78
		For Left Hand Threaded Rod, Add	*0.65*	
05 05 23 00-1215	LF	5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	8.51	0.79
		For Left Hand Threaded Rod, Add	*0.69*	
05 05 23 00-1216	LF	3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	12.80	0.82
		For Left Hand Threaded Rod, Add	*1.12*	
05 05 23 00-1217	LF	7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	16.57	0.85
		For Left Hand Threaded Rod, Add	*1.49*	
05 05 23 00-1218	LF	1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	22.24	0.95
		For Left Hand Threaded Rod, Add	*2.03*	
05 05 23 00-1219	LF	1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	28.70	1.06
		For Left Hand Threaded Rod, Add	*2.66*	
05 05 23 00-1220	LF	1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	34.25	1.15
		For Left Hand Threaded Rod, Add	*3.19*	
05 05 23 00-1221	LF	1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	38.93	1.25
		For Left Hand Threaded Rod, Add	*3.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1222	LF	1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	49.01	1.30
		For Left Hand Threaded Rod, Add	*4.64*	
05 05 23 00-1223	LF	1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	60.73	1.36
		For Left Hand Threaded Rod, Add	*5.80*	
05 05 23 00-1224	LF	2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod	88.61	1.43
		For Left Hand Threaded Rod, Add	*8.58*	
05 05 23 00-1225		Hot Dipped Galvanized Steel, Low Carbon Threaded Rod *(05 05 23 00-1190)*		
05 05 23 00-1226	LF	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	6.50	0.73
		For Left Hand Threaded Rod, Add	*0.51*	
05 05 23 00-1227	LF	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	9.10	0.77
		For Left Hand Threaded Rod, Add	*0.76*	
05 05 23 00-1228	LF	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	12.28	0.79
		For Left Hand Threaded Rod, Add	*1.07*	
05 05 23 00-1229	LF	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	16.86	0.82
		For Left Hand Threaded Rod, Add	*1.52*	
05 05 23 00-1230	LF	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	23.33	0.85
		For Left Hand Threaded Rod, Add	*2.17*	
05 05 23 00-1231	LF	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	30.10	0.95
		For Left Hand Threaded Rod, Add	*2.82*	
05 05 23 00-1232	LF	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	39.60	1.06
		For Left Hand Threaded Rod, Add	*3.75*	
05 05 23 00-1233	LF	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	52.08	1.15
		For Left Hand Threaded Rod, Add	*4.97*	
05 05 23 00-1234	LF	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	58.20	1.25
		For Left Hand Threaded Rod, Add	*5.57*	
05 05 23 00-1235	LF	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	69.27	1.30
		For Left Hand Threaded Rod, Add	*6.67*	
05 05 23 00-1236	LF	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	84.17	1.36
		For Left Hand Threaded Rod, Add	*8.14*	
05 05 23 00-1237	LF	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod	146.89	1.43
		For Left Hand Threaded Rod, Add	*14.40*	
05 05 23 00-1238		304/18-8 Stainless Steel Threaded Rod *(05 05 23 00-1190)*		
05 05 23 00-1239	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.41	0.57
		For Left Hand Threaded Rod, Add	*0.23*	
05 05 23 00-1240	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	5.12	0.63
		For Left Hand Threaded Rod, Add	*0.39*	
05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.58	0.73
		For Left Hand Threaded Rod, Add	*0.52*	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	9.14	0.74
		For Left Hand Threaded Rod, Add	*0.77*	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.96	0.77
		For Left Hand Threaded Rod, Add	*0.94*	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	15.75	0.78
		For Left Hand Threaded Rod, Add	*1.42*	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.45	0.79
		For Left Hand Threaded Rod, Add	*1.49*	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	23.03	0.82
		For Left Hand Threaded Rod, Add	*2.14*	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.67	0.85
		For Left Hand Threaded Rod, Add	*3.00*	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.63	0.95
		For Left Hand Threaded Rod, Add	*3.87*	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	85.99	1.15
		For Left Hand Threaded Rod, Add	*8.36*	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	130.91	1.30
		For Left Hand Threaded Rod, Add	*12.83*	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	134.67	1.36
		For Left Hand Threaded Rod, Add	*13.19*	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	186.33	1.43
		For Left Hand Threaded Rod, Add	*18.35*	
05 05 23 00-1253		316 Stainless Steel Threaded Rod *(05 05 23 00-1190)*		
05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	4.93	0.57
		For Left Hand Threaded Rod, Add	*0.38*	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	7.93	0.63
		For Left Hand Threaded Rod, Add	*0.67*	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	10.52	0.73
		For Left Hand Threaded Rod, Add	*0.91*	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	16.43	0.74
		For Left Hand Threaded Rod, Add	*1.50*	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	17.42	0.77
		For Left Hand Threaded Rod, Add	*1.59*	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	22.85	0.78
		For Left Hand Threaded Rod, Add	*2.13*	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	24.59	0.79
		For Left Hand Threaded Rod, Add	*2.30*	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	35.85	0.82
		For Left Hand Threaded Rod, Add	*3.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	49.07	0.85
		For Left Hand Threaded Rod, Add	*4.74*	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	62.10	0.95
		For Left Hand Threaded Rod, Add	*6.02*	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	131.09	1.15
		For Left Hand Threaded Rod, Add	*12.87*	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	171.81	1.30
		For Left Hand Threaded Rod, Add	*16.92*	
05 05 23 00-1266		Plain Finish Steel, B-7 Alloy Threaded Rod *(05 05 23 00-1190)*		
05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	4.14	0.57
		For Zinc Plating, Add	*1.50*	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.39	0.63
		For Zinc Plating, Add	*2.57*	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	6.68	0.73
		For Zinc Plating, Add	*2.63*	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	7.30	0.74
		For Zinc Plating, Add	*2.91*	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.04	0.77
		For Zinc Plating, Add	*3.26*	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.05	0.78
		For Zinc Plating, Add	*4.25*	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.37	0.79
		For Zinc Plating, Add	*4.40*	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	13.79	0.82
		For Zinc Plating, Add	*6.08*	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	16.53	0.85
		For Zinc Plating, Add	*7.43*	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	21.45	0.95
		For Zinc Plating, Add	*9.77*	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	27.92	1.06
		For Zinc Plating, Add	*12.90*	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	31.08	1.15
		For Zinc Plating, Add	*14.35*	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	35.87	1.25
		For Zinc Plating, Add	*16.69*	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	43.63	1.30
		For Zinc Plating, Add	*20.52*	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	45.11	1.36
		For Zinc Plating, Add	*21.19*	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	60.56	1.43
		For Zinc Plating, Add	*28.85*	
05 05 23 00-1283		Nuts And Washers *(05 05 23)*		
05 05 23 00-1284		Hex Nuts *(05 05 23 00-1283)*		
05 05 23 00-1285		Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.73	0.33
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.81	0.33
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.86	0.33
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.00	0.33
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.08	0.33
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.39	0.33
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.43	0.33
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.68	0.66
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.41	0.66
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	3.05	0.66
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.89	0.66
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	5.96	0.66
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	8.68	0.66
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	10.03	1.01
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	14.63	1.01
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	21.05	1.01
05 05 23 00-1302		Zinc Plated Steel, Grade 5 Hex Nuts *(05 05 23 00-1284)*		
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.75	0.33
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.82	0.33
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	0.89	0.33
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.03	0.33
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.19	0.33
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.42	0.33
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.46	0.33
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	1.88	0.66
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	2.62	0.66
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	3.66	0.66
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	5.50	0.66
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	7.72	0.66
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	11.25	0.66
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	12.42	1.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	22.23	1.01
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut	31.78	1.01
05 05 23 00-1319		**Zinc Plated Steel, Grade 8 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.76	0.33
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.87	0.33
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	0.94	0.33
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.16	0.33
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.37	0.33
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.62	0.33
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	1.83	0.33
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	2.25	0.66
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	3.33	0.66
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	4.41	0.66
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	6.82	0.66
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	8.48	0.66
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	13.85	0.66
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	14.69	1.01
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	22.29	1.01
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut	31.43	1.01
05 05 23 00-1336		**Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.76	0.33
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.85	0.33
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	0.92	0.33
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.14	0.33
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.30	0.33
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.43	0.33
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	1.57	0.33
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.07	0.66
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	2.96	0.66
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	4.04	0.66
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	6.60	0.66
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	8.43	0.66
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	12.42	0.66
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	14.47	1.01
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	25.08	1.01
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut	43.22	1.01
05 05 23 00-1353		**304 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut	0.84	0.33
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut	0.99	0.33
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut	1.10	0.33
05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut	1.61	0.33
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut	1.74	0.33
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut	2.60	0.33
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut	2.89	0.33
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut	3.31	0.66
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut	5.36	0.66
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut	8.19	0.66
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut	19.50	0.66
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut	37.35	1.01
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut	65.54	1.01
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut	93.35	1.01
05 05 23 00-1368		**316 Stainless Steel Hex Nuts** *(05 05 23 00-1284)*		
05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut	0.97	0.33
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut	1.11	0.33
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut	1.30	0.33
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut	2.09	0.33
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut	2.24	0.33
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut	3.02	0.33
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut	3.40	0.33
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut	4.70	0.66
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut	6.50	0.66
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut	10.00	0.66
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut	30.16	0.66
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut	48.70	1.01
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut	82.09	1.01
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut	152.46	1.01
05 05 23 00-1383		**Flat Washers** *(05 05 23 00-1283)*		
05 05 23 00-1384		**Zinc Plated Steel, Low Carbon Flat Washers** *(05 05 23 00-1383)*		
05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.07	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.13	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.20	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.29	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.33	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.81	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.96	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.18	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.33	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.59	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.50	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.56	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	3.79	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	4.71	
05 05 23 00-1401		Zinc Plated Steel, Hardened Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.17	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.24	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.27	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.37	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.50	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	0.81	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.16	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	1.63	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	2.72	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	3.02	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.39	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	4.79	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	6.32	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	7.22	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	9.71	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer	11.65	
05 05 23 00-1418		Hot Dipped Galvanized Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.11	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.16	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.18	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.34	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.43	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.71	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	0.79	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.20	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.70	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	1.86	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	2.85	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	3.17	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.53	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	4.90	
05 05 23 00-1433	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer	7.12	
05 05 23 00-1434		304/18-8 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1435	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.14	
05 05 23 00-1436	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.19	
05 05 23 00-1437	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.27	
05 05 23 00-1438	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.49	
05 05 23 00-1439	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	0.90	
05 05 23 00-1440	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.12	
05 05 23 00-1441	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.64	
05 05 23 00-1442	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	1.67	
05 05 23 00-1443	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	3.53	
05 05 23 00-1444	EA	1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	4.47	
05 05 23 00-1445	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.20	
05 05 23 00-1446	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.60	
05 05 23 00-1447	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	5.92	
05 05 23 00-1448	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	7.22	
05 05 23 00-1449	EA	1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	8.97	
05 05 23 00-1450	EA	2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer	17.62	
05 05 23 00-1451		316 Stainless Steel Flat Washers *(05 05 23 00-1383)*		
05 05 23 00-1452	EA	1/4" Inside Diameter, 316 Stainless Steel Flat Washer	0.27	
05 05 23 00-1453	EA	5/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.30	
05 05 23 00-1454	EA	3/8" Inside Diameter, 316 Stainless Steel Flat Washer	0.53	
05 05 23 00-1455	EA	7/16" Inside Diameter, 316 Stainless Steel Flat Washer	0.63	
05 05 23 00-1456	EA	1/2" Inside Diameter, 316 Stainless Steel Flat Washer	1.16	
05 05 23 00-1457	EA	9/16" Inside Diameter, 316 Stainless Steel Flat Washer	2.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1458	EA	5/8" Inside Diameter, 316 Stainless Steel Flat Washer	2.47	
05 05 23 00-1459	EA	3/4" Inside Diameter, 316 Stainless Steel Flat Washer	3.11	
05 05 23 00-1460	EA	7/8" Inside Diameter, 316 Stainless Steel Flat Washer	4.81	
05 05 23 00-1461	EA	1" Inside Diameter, 316 Stainless Steel Flat Washer	5.38	
05 05 23 00-1462	EA	1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer	6.13	
05 05 23 00-1463	EA	1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer	7.55	
05 05 23 00-1464	EA	1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer	7.98	
05 05 23 00-1465	EA	1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer	8.16	
05 05 23 00-1466	EA	1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer	11.96	
05 05 23 00-1467		Lock Washers *(05 05 23 00-1283)*		
05 05 23 00-1468		Zinc Plated Steel, Low Carbon Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1469	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.02	
05 05 23 00-1470	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.03	
05 05 23 00-1471	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.05	
05 05 23 00-1472	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.08	
05 05 23 00-1473	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.11	
05 05 23 00-1474	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.19	
05 05 23 00-1475	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.21	
05 05 23 00-1476	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.32	
05 05 23 00-1477	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.54	
05 05 23 00-1478	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	0.96	
05 05 23 00-1479	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	1.41	
05 05 23 00-1480	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	2.16	
05 05 23 00-1481	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	3.42	
05 05 23 00-1482	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	4.02	
05 05 23 00-1483	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	7.18	
05 05 23 00-1484	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer	8.09	
05 05 23 00-1485		Hot Dipped Galvanized Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1486	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.09	
05 05 23 00-1487	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.11	
05 05 23 00-1488	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.14	
05 05 23 00-1489	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.15	
05 05 23 00-1490	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.24	
05 05 23 00-1491	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.31	
05 05 23 00-1492	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.37	
05 05 23 00-1493	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.62	
05 05 23 00-1494	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	0.89	
05 05 23 00-1495	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	1.41	
05 05 23 00-1496	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	2.55	
05 05 23 00-1497	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	3.04	
05 05 23 00-1498	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	4.39	
05 05 23 00-1499	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	5.02	
05 05 23 00-1500	EA	1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	6.79	
05 05 23 00-1501	EA	2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer	9.25	
05 05 23 00-1502		304/18-8 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1503	EA	1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.12	
05 05 23 00-1504	EA	5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.16	
05 05 23 00-1505	EA	3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.23	
05 05 23 00-1506	EA	7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.43	
05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	0.48	
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.15	
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.36	
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	1.58	
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	2.87	
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	4.05	
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	7.07	
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	9.40	
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	11.96	
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer	14.35	
05 05 23 00-1517		316 Stainless Steel Lock Washers *(05 05 23 00-1467)*		
05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer	0.14	
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.31	
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer	0.36	
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer	0.62	
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer	0.69	
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer	1.23	
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer	1.35	
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer	2.33	
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer	3.86	
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer	5.25	
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer	7.32	
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer	11.27	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer	20.18	
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer	22.40	
05 05 23 00-1532		Load Indicating Washers *(05 05 23 00-1283)*		
05 05 23 00-1533		A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1532)*		
05 05 23 00-1534		Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1535	EA	1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.34	
05 05 23 00-1536	EA	5/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.65	
05 05 23 00-1537	EA	3/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.86	
05 05 23 00-1538	EA	7/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.25	
05 05 23 00-1539	EA	1", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.92	
05 05 23 00-1540	EA	1-1/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	6.52	
05 05 23 00-1541	EA	1-1/4", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.42	
05 05 23 00-1542	EA	1-3/8", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	10.75	
05 05 23 00-1543	EA	1-1/2", Plain Finish, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	11.83	
05 05 23 00-1544		Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) *(05 05 23 00-1533)*		
05 05 23 00-1545	EA	1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	2.96	
05 05 23 00-1546	EA	5/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.30	
05 05 23 00-1547	EA	3/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.21	
05 05 23 00-1548	EA	7/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	3.92	
05 05 23 00-1549	EA	1", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	4.65	
05 05 23 00-1550	EA	1-1/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	7.00	
05 05 23 00-1551	EA	1-1/4", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	8.81	
05 05 23 00-1552	EA	1-3/8", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	12.54	
05 05 23 00-1553	EA	1-1/2", Galvanized, (ASTM F959) A325, Direct Tension Indicator, Load Indicating Washer	13.79	
05 05 23 00-1554		Beveled Washers *(05 05 23 00-1283)*		
05 05 23 00-1555		Plain Finish, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1556	EA	1/2", Plain Finish, (ASTM F436) Square Beveled Structural Washer	3.87	
05 05 23 00-1557	EA	5/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	3.95	
05 05 23 00-1558	EA	3/4", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.04	
05 05 23 00-1559	EA	7/8", Plain Finish, (ASTM F436) Square Beveled Structural Washer	4.90	
05 05 23 00-1560	EA	1", Plain Finish, (ASTM F436) Square Beveled Structural Washer	5.16	
05 05 23 00-1561		Galvanized, Square Beveled Structural Washers (ASTM F436) *(05 05 23 00-1554)*		
05 05 23 00-1562	EA	1/2", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.56	
05 05 23 00-1563	EA	5/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.81	
05 05 23 00-1564	EA	3/4", Galvanized, (ASTM F436) Square Beveled Structural Washer	5.81	
05 05 23 00-1565	EA	7/8", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.15	
05 05 23 00-1566	EA	1", Galvanized, (ASTM F436) Square Beveled Structural Washer	6.54	
05 05 23 00-1567		Drilling In Existing Steel Plates *(05 05 23)*		
05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate	23.18	
		For Aluminum, Deduct	*-2.32*	
		For Stainless Steel, Add	*2.90*	
		For >5 To 10, Deduct	*-2.32*	
		For >10 To 25, Deduct	*-5.80*	
		For >25 To 50, Deduct	*-8.11*	
		For >50, Deduct	*-11.59*	
05 05 23 00-1569	EA	>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate	27.27	
		For Aluminum, Deduct	*-2.73*	
		For Stainless Steel, Add	*3.41*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-6.82*	
		For >25 To 50, Deduct	*-9.54*	
		For >50, Deduct	*-13.64*	
05 05 23 00-1570	EA	>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate	32.73	
		For Aluminum, Deduct	*-3.27*	
		For Stainless Steel, Add	*4.09*	
		For >5 To 10, Deduct	*-3.27*	
		For >10 To 25, Deduct	*-8.18*	
		For >25 To 50, Deduct	*-11.46*	
		For >50, Deduct	*-16.37*	
05 05 23 00-1571	EA	>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate	38.18	
		For Aluminum, Deduct	*-3.82*	
		For Stainless Steel, Add	*4.77*	
		For >5 To 10, Deduct	*-3.82*	
		For >10 To 25, Deduct	*-9.55*	
		For >25 To 50, Deduct	*-13.36*	
		For >50, Deduct	*-19.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1572	EA	>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate	51.14	
		For Aluminum, Deduct	*-5.11*	
		For Stainless Steel, Add	*6.39*	
		For >5 To 10, Deduct	*-5.11*	
		For >10 To 25, Deduct	*-12.79*	
		For >25 To 50, Deduct	*-17.90*	
		For >50, Deduct	*-25.57*	
05 05 23 00-1573	EA	Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	27.27	
		For Aluminum, Deduct	*-2.73*	
		For Stainless Steel, Add	*3.41*	
		For >5 To 10, Deduct	*-2.73*	
		For >10 To 25, Deduct	*-6.82*	
		For >25 To 50, Deduct	*-9.54*	
		For >50, Deduct	*-13.64*	
05 05 23 00-1574	EA	>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate	34.08	
		For Aluminum, Deduct	*-3.41*	
		For Stainless Steel, Add	*4.26*	
		For >5 To 10, Deduct	*-3.41*	
		For >10 To 25, Deduct	*-8.52*	
		For >25 To 50, Deduct	*-11.93*	
		For >50, Deduct	*-17.04*	
05 05 23 00-1575	EA	>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate	40.90	
		For Aluminum, Deduct	*-4.09*	
		For Stainless Steel, Add	*5.11*	
		For >5 To 10, Deduct	*-4.09*	
		For >10 To 25, Deduct	*-10.23*	
		For >25 To 50, Deduct	*-14.32*	
		For >50, Deduct	*-20.45*	
05 05 23 00-1576	EA	>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate	51.14	
		For Aluminum, Deduct	*-5.11*	
		For Stainless Steel, Add	*6.39*	
		For >5 To 10, Deduct	*-5.11*	
		For >10 To 25, Deduct	*-12.79*	
		For >25 To 50, Deduct	*-17.90*	
		For >50, Deduct	*-25.57*	
05 05 23 00-1577	EA	Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate	34.08	
		For Aluminum, Deduct	*-3.41*	
		For Stainless Steel, Add	*4.26*	
		For >5 To 10, Deduct	*-3.41*	
		For >10 To 25, Deduct	*-8.52*	
		For >25 To 50, Deduct	*-11.93*	
		For >50, Deduct	*-17.04*	
05 05 23 00-1578	EA	>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate	44.99	
		For Aluminum, Deduct	*-4.50*	
		For Stainless Steel, Add	*5.62*	
		For >5 To 10, Deduct	*-4.50*	
		For >10 To 25, Deduct	*-11.25*	
		For >25 To 50, Deduct	*-15.75*	
		For >50, Deduct	*-22.50*	
05 05 23 00-1579	EA	>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate	54.54	
		For Aluminum, Deduct	*-5.45*	
		For Stainless Steel, Add	*6.82*	
		For >5 To 10, Deduct	*-5.45*	
		For >10 To 25, Deduct	*-13.64*	
		For >25 To 50, Deduct	*-19.09*	
		For >50, Deduct	*-27.27*	

05 05 23 00-1580 Cutting Existing Steel With Torch *(05 05 23)*

05 05 23 00-1581	LF	Torch Cutting, Milled Steel Up To 1/4" Thick	7.14

05 05 23 00-1582 Welded Stud Anchors *(05 05 23)*

05 05 23 00-1583	EA	1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.46
05 05 23 00-1584	EA	2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.56
05 05 23 00-1585	EA	3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.60
05 05 23 00-1586	EA	4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors	4.64
05 05 23 00-1587	EA	1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.39
05 05 23 00-1588	EA	1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.62
05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.86
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	4.98
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.11
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.59
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	5.99
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors	6.31
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.39
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.42
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	5.78
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.13
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	6.56
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.22
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors	7.65
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	8.82
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors	11.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	7.67	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.23	
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	8.68	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.14	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.51	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	9.85	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	10.30	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	12.19	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors	14.80	

05 05 23 00-1613 Welded Shear Stud Connector *(05 05 23)*

05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector	9.82	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector	10.22	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector	10.33	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector	10.38	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector	10.83	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector	11.66	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector	19.66	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector	12.62	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector	14.08	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector	18.40	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector	18.85	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector	20.45	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector	27.15	

05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector	11.82	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector	12.46	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector	13.09	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector	14.93	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector	19.38	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector	21.33	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector	23.24	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector	28.61	

05 05 23 00-1637 1" Diameter Welded Shear Stud Connector *(05 05 23 00-1613)*

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector	15.99	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector	17.96	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector	20.86	
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector	26.64	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector	29.67	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector	32.70	

05 10 Structural Metal Framing *(05)*

05 12 Structural Steel Framing *(05 10)*

05 12 23 Structural Steel for Buildings *(05 12)*

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0001 Rolled Steel Members *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0002 Beams, Girders And Columns *(05 12 23 00-0001)*

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 Lb./LF Beams, Girders And Columns	10,878.22	1,364.28
		For ASTM A242 Type 2 High Strength Steel, Add	*644.46*	
		For Hot Dip Galvanizing, Add	*2,255.63*	
		For >10 To 25 Tons, Deduct	*-684.74*	
		For >25 To 50 Tons, Deduct	*-1,409.77*	
		For >50 To 75 Tons, Deduct	*-2,013.95*	
		For >75 Tons, Deduct	*-1,006.98*	
05 12 23 00-0004	TON	>30-65 Lb./LF Beams, Girders And Columns	7,552.27	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*528.92*	
		For Hot Dip Galvanizing, Add	*1,851.21*	
		For >10 To 25 Tons, Deduct	*-561.97*	
		For >25 To 50 Tons, Deduct	*-1,157.01*	
		For >50 To 75 Tons, Deduct	*-1,652.87*	
		For >75 Tons, Deduct	*-826.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0005	TON	>65-100 Lb./LF Beams, Girders And Columns	6,398.76	496.13
		For ASTM A242 Type 2 High Strength Steel, Add	*469.56*	
		For Hot Dip Galvanizing, Add	*1,643.48*	
		For >10 To 25 Tons, Deduct	*-498.91*	
		For >25 To 50 Tons, Deduct	*-1,027.17*	
		For >50 To 75 Tons, Deduct	*-1,467.39*	
		For >75 Tons, Deduct	*-733.70*	
05 12 23 00-0006	TON	>100-300 Lb./LF Beams, Girders And Columns	4,294.77	264.08
		For ASTM A242 Type 2 High Strength Steel, Add	*321.00*	
		For Hot Dip Galvanizing, Add	*1,123.51*	
		For >10 To 25 Tons, Deduct	*-341.07*	
		For >25 To 50 Tons, Deduct	*-702.19*	
		For >50 To 75 Tons, Deduct	*-1,003.13*	
		For >75 Tons, Deduct	*-501.57*	

05 12 23 00-0007 Trusses, Built-Up *(05 12 23 00-0001)*

05 12 23 00-0008	TON	Built-Up Trusses, Rolled Structural Steel Members	8,013.30	927.83
		For ASTM A242 Type 2 High Strength Steel, Add	*561.93*	
		For Hot Dip Galvanizing, Add	*1,966.76*	
		For >10 To 25 Tons, Deduct	*-597.05*	
		For >25 To 50 Tons, Deduct	*-1,229.22*	
		For >50 To 75 Tons, Deduct	*-1,756.03*	
		For >75 Tons, Deduct	*-878.02*	

05 12 23 00-0009 Shapes *(05 12 23 00-0001)*

05 12 23 00-0010 Rolled Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0011	TON	Up To 10 Lb./LF Rolled Shape Steel Angles	15,860.73	2,536.20
		For ASTM A242 Type 2 High Strength Steel, Add	*930.70*	
		For Hot Dip Galvanizing, Add	*3,257.44*	
		For >10 To 25 Tons, Deduct	*-988.87*	
		For >25 To 50 Tons, Deduct	*-2,035.90*	
		For >50 To 75 Tons, Deduct	*-2,908.43*	
		For >75 Tons, Deduct	*-1,454.22*	
05 12 23 00-0012	TON	>10 To 20 Lb./LF Rolled Shape Steel Angles	13,951.27	1,488.38
		For ASTM A242 Type 2 High Strength Steel, Add	*890.31*	
		For Hot Dip Galvanizing, Add	*3,116.08*	
		For >10 To 25 Tons, Deduct	*-945.95*	
		For >25 To 50 Tons, Deduct	*-1,947.55*	
		For >50 To 75 Tons, Deduct	*-2,782.22*	
		For >75 Tons, Deduct	*-1,391.11*	
05 12 23 00-0013	TON	>20 To 58 Lb./LF Rolled Shape Steel Angles	10,730.54	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*783.19*	
		For Hot Dip Galvanizing, Add	*2,741.17*	
		For >10 To 25 Tons, Deduct	*-832.14*	
		For >25 To 50 Tons, Deduct	*-1,713.23*	
		For >50 To 75 Tons, Deduct	*-2,447.47*	
		For >75 Tons, Deduct	*-1,223.74*	

05 12 23 00-0014 Rolled C, MC Steel Channels *(05 12 23 00-0009)*

05 12 23 00-0015	TON	Up To 10 Lb./LF Rolled C, MC Steel Channels	17,273.52	3,472.89
		For ASTM A242 Type 2 High Strength Steel, Add	*916.65*	
		For Hot Dip Galvanizing, Add	*3,208.27*	
		For >10 To 25 Tons, Deduct	*-973.94*	
		For >25 To 50 Tons, Deduct	*-2,005.17*	
		For >50 To 75 Tons, Deduct	*-2,864.53*	
		For >75 Tons, Deduct	*-1,432.26*	
05 12 23 00-0016	TON	>10 To 20 Rolled C, MC Steel Channels	13,797.61	2,646.01
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	
05 12 23 00-0017	TON	>20 To 58 Lb./LF Rolled C, MC Steel Channels	10,554.94	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*769.14*	
		For Hot Dip Galvanizing, Add	*2,692.00*	
		For >10 To 25 Tons, Deduct	*-817.21*	
		For >25 To 50 Tons, Deduct	*-1,682.50*	
		For >50 To 75 Tons, Deduct	*-2,403.57*	
		For >75 Tons, Deduct	*-1,201.79*	

05 12 23 00-0018 Double L Shape Steel Angles *(05 12 23 00-0009)*

05 12 23 00-0019	TON	Up To 20 Lb./LF Double L Shape Steel Angles	14,717.23	2,012.30
		For ASTM A242 Type 2 High Strength Steel, Add	*895.58*	
		For Hot Dip Galvanizing, Add	*3,134.52*	
		For >10 To 25 Tons, Deduct	*-951.55*	
		For >25 To 50 Tons, Deduct	*-1,959.07*	
		For >50 To 75 Tons, Deduct	*-2,798.68*	
		For >75 Tons, Deduct	*-1,399.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0020	TON	>20 To 50 Lb./LF Double L Shape Steel Angles	11,476.86	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*842.90*	
		For Hot Dip Galvanizing, Add	*2,950.14*	
		For >10 To 25 Tons, Deduct	*-895.58*	
		For >25 To 50 Tons, Deduct	*-1,843.84*	
		For >50 To 75 Tons, Deduct	*-2,634.05*	
		For >75 Tons, Deduct	*-1,317.03*	
05 12 23 00-0021	TON	>50 To 80 Lb./LF Double L Shape Steel Angles	8,650.85	496.13
		For ASTM A242 Type 2 High Strength Steel, Add	*649.73*	
		For Hot Dip Galvanizing, Add	*2,274.06*	
		For >10 To 25 Tons, Deduct	*-690.34*	
		For >25 To 50 Tons, Deduct	*-1,421.29*	
		For >50 To 75 Tons, Deduct	*-2,030.41*	
		For >75 Tons, Deduct	*-1,015.21*	
05 12 23 00-0022	TON	>80 To 115 Lb./LF Double L Shape Steel Angles	5,549.90	264.47
		For ASTM A242 Type 2 High Strength Steel, Add	*421.45*	
		For Hot Dip Galvanizing, Add	*1,475.07*	
		For >10 To 25 Tons, Deduct	*-447.79*	
		For >25 To 50 Tons, Deduct	*-921.92*	
		For >50 To 75 Tons, Deduct	*-1,317.03*	
		For >75 Tons, Deduct	*-658.51*	

05 12 23 00-0023 Structural WT, MT, ST Tee Shapes *(05 12 23 00-0001)*

05 12 23 00-0024	TON	Up To 30 Lb./LF Structural WT, MT, ST Tee Shapes	13,358.61	1,488.38
		For ASTM A242 Type 2 High Strength Steel, Add	*842.90*	
		For Hot Dip Galvanizing, Add	*2,950.14*	
		For >10 To 25 Tons, Deduct	*-895.58*	
		For >25 To 50 Tons, Deduct	*-1,843.84*	
		For >50 To 75 Tons, Deduct	*-2,634.05*	
		For >75 Tons, Deduct	*-1,317.03*	
05 12 23 00-0025	TON	>30 To 65 Lb./LF Structural WT, MT, ST Tee Shapes	8,996.60	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*644.46*	
		For Hot Dip Galvanizing, Add	*2,255.62*	
		For >10 To 25 Tons, Deduct	*-684.74*	
		For >25 To 50 Tons, Deduct	*-1,409.77*	
		For >50 To 75 Tons, Deduct	*-2,013.95*	
		For >75 Tons, Deduct	*-1,006.98*	
05 12 23 00-0026	TON	>65 To 100 Lb./LF Structural WT, MT, ST Tee Shapes	7,114.32	496.13
		For ASTM A242 Type 2 High Strength Steel, Add	*526.81*	
		For Hot Dip Galvanizing, Add	*1,843.83*	
		For >10 To 25 Tons, Deduct	*-559.74*	
		For >25 To 50 Tons, Deduct	*-1,152.40*	
		For >50 To 75 Tons, Deduct	*-1,646.28*	
		For >75 Tons, Deduct	*-823.14*	
05 12 23 00-0027	TON	>100 To 365 Lb./LF Structural WT, MT, ST Tee Shapes	5,243.03	264.08
		For ASTM A242 Type 2 High Strength Steel, Add	*396.86*	
		For Hot Dip Galvanizing, Add	*1,389.02*	
		For >10 To 25 Tons, Deduct	*-421.67*	
		For >25 To 50 Tons, Deduct	*-868.14*	
		For >50 To 75 Tons, Deduct	*-1,240.20*	
		For >75 Tons, Deduct	*-620.10*	

05 12 23 00-0028 Combination Section Shapes *(05 12 23 00-0001)*

05 12 23 00-0029 Combination Section, W Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0030	TON	Up To 30 Lb./LF Combination Section - W Shapes And Angles	12,678.14	1,488.38
		For ASTM A242 Type 2 High Strength Steel, Add	*788.46*	
		For Hot Dip Galvanizing, Add	*2,759.60*	
		For >10 To 25 Tons, Deduct	*-837.74*	
		For >25 To 50 Tons, Deduct	*-1,724.75*	
		For >50 To 75 Tons, Deduct	*-2,463.93*	
		For >75 Tons, Deduct	*-1,231.97*	
05 12 23 00-0031	TON	>30-65 Lb./LF Combination Section - W Shapes And Angles	9,062.47	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*649.73*	
		For Hot Dip Galvanizing, Add	*2,274.07*	
		For >10 To 25 Tons, Deduct	*-690.34*	
		For >25 To 50 Tons, Deduct	*-1,421.29*	
		For >50 To 75 Tons, Deduct	*-2,030.42*	
		For >75 Tons, Deduct	*-1,015.21*	
05 12 23 00-0032	TON	>65-100 Lb./LF Combination Section - W Shapes And Angles	6,565.56	496.13
		For ASTM A242 Type 2 High Strength Steel, Add	*482.91*	
		For Hot Dip Galvanizing, Add	*1,690.18*	
		For >10 To 25 Tons, Deduct	*-513.09*	
		For >25 To 50 Tons, Deduct	*-1,056.36*	
		For >50 To 75 Tons, Deduct	*-1,509.09*	
		For >75 Tons, Deduct	*-754.55*	
05 12 23 00-0033	TON	>100-300 Lb./LF Combination Section - W Shapes And Angles	5,681.61	264.08
		For ASTM A242 Type 2 High Strength Steel, Add	*431.98*	
		For Hot Dip Galvanizing, Add	*1,511.95*	
		For >10 To 25 Tons, Deduct	*-458.98*	
		For >25 To 50 Tons, Deduct	*-944.97*	
		For >50 To 75 Tons, Deduct	*-1,349.95*	
		For >75 Tons, Deduct	*-674.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0034	TON	>300-500 Lb./LF Combination Section - W Shapes And Angles	4,904.37	132.57
		For ASTM A242 Type 2 High Strength Steel, Add	*381.06*	
		For Hot Dip Galvanizing, Add	*1,333.71*	
		For >10 To 25 Tons, Deduct	*-404.88*	
		For >25 To 50 Tons, Deduct	*-833.57*	
		For >50 To 75 Tons, Deduct	*-1,190.81*	
		For >75 Tons, Deduct	*-595.41*	

05 12 23 00-0035 Combination Section, S Shapes And Angles *(05 12 23 00-0028)*

05 12 23 00-0036	TON	>30-65 Lb./LF Combination Section - S Shapes And Angles	8,711.25	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*621.64*	
		For Hot Dip Galvanizing, Add	*2,175.73*	
		For >10 To 25 Tons, Deduct	*-660.49*	
		For >25 To 50 Tons, Deduct	*-1,359.83*	
		For >50 To 75 Tons, Deduct	*-1,942.61*	
		For >75 Tons, Deduct	*-971.31*	
05 12 23 00-0037	TON	>65-100 Lb./LF Combination Section - S Shapes And Angles	6,587.51	496.13
		For ASTM A242 Type 2 High Strength Steel, Add	*484.66*	
		For Hot Dip Galvanizing, Add	*1,696.33*	
		For >10 To 25 Tons, Deduct	*-514.96*	
		For >25 To 50 Tons, Deduct	*-1,060.20*	
		For >50 To 75 Tons, Deduct	*-1,514.58*	
		For >75 Tons, Deduct	*-757.29*	

05 12 23 00-0038 Combination Section, Channels And Angles *(05 12 23 00-0028)*

05 12 23 00-0039	TON	Up To 30 Lb./LF Combination Section - Channels And Angles	13,358.61	1,488.38
		For ASTM A242 Type 2 High Strength Steel, Add	*842.90*	
		For Hot Dip Galvanizing, Add	*2,950.14*	
		For >10 To 25 Tons, Deduct	*-895.58*	
		For >25 To 50 Tons, Deduct	*-1,843.84*	
		For >50 To 75 Tons, Deduct	*-2,634.05*	
		For >75 Tons, Deduct	*-1,317.03*	
05 12 23 00-0040	TON	>30-65 Lb./LF Combination Section - Channels And Angles	9,501.46	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*684.85*	
		For Hot Dip Galvanizing, Add	*2,396.98*	
		For >10 To 25 Tons, Deduct	*-727.66*	
		For >25 To 50 Tons, Deduct	*-1,498.12*	
		For >50 To 75 Tons, Deduct	*-2,140.17*	
		For >75 Tons, Deduct	*-1,070.08*	
05 12 23 00-0041	TON	>65-100 Lb./LF Combination Section - Channels And Angles	6,741.17	496.13
		For ASTM A242 Type 2 High Strength Steel, Add	*496.96*	
		For Hot Dip Galvanizing, Add	*1,739.35*	
		For >10 To 25 Tons, Deduct	*-528.02*	
		For >25 To 50 Tons, Deduct	*-1,087.09*	
		For >50 To 75 Tons, Deduct	*-1,552.99*	
		For >75 Tons, Deduct	*-776.50*	

05 12 23 00-0042 Standard Weight Pipe *(05 12 23 00-0001)*

05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	7,695.26	793.81
		For ASTM A242 Type 2 High Strength Steel, Add	*547.88*	
		For Hot Dip Galvanizing, Add	*1,917.59*	
		For >10 To 25 Tons, Deduct	*-582.13*	
		For >25 To 50 Tons, Deduct	*-1,198.49*	
		For >50 To 75 Tons, Deduct	*-1,712.13*	
		For >75 Tons, Deduct	*-856.07*	
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	8,214.24	992.25
		For ASTM A242 Type 2 High Strength Steel, Add	*572.47*	
		For Hot Dip Galvanizing, Add	*2,003.63*	
		For >10 To 25 Tons, Deduct	*-608.25*	
		For >25 To 50 Tons, Deduct	*-1,252.27*	
		For >50 To 75 Tons, Deduct	*-1,788.96*	
		For >75 Tons, Deduct	*-894.48*	

05 12 23 00-0045 Temporary Steel Support For Structures *(05 12 23 00-0001)*

Note: Includes removal after use.

05 12 23 00-0046	TON	Up To 30 Lb./LF Temporary Steel Support For Structures	10,878.22
		Note: For all stock sections.	
05 12 23 00-0047	TON	>30 Lb./LF Temporary Steel Support For Structures	7,552.27
		Note: For all stock sections.	

05 12 23 00-0048 Structural Steel Shapes *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0131 for field fabrication of additional structural metal connections.

05 12 23 00-0049 Steel Rods *(05 12 23 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0050	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	8,300.24	620.23
		For ASTM A242 Type 2 High Strength Steel, Add	*611.10*	
		For Hot Dip Galvanizing, Add	*2,138.85*	
		For >10 To 25 Tons, Deduct	*-649.29*	
		For >25 To 50 Tons, Deduct	*-1,336.78*	
		For >50 To 75 Tons, Deduct	*-1,909.69*	
		For >75 Tons, Deduct	*-954.84*	
05 12 23 00-0051	TON	>5" To 12" Diameter Extra Strong Steel, Solid	9,501.46	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*684.85*	
		For Hot Dip Galvanizing, Add	*2,396.98*	
		For >10 To 25 Tons, Deduct	*-727.66*	
		For >25 To 50 Tons, Deduct	*-1,498.12*	
		For >50 To 75 Tons, Deduct	*-2,140.17*	
		For >75 Tons, Deduct	*-1,070.08*	

05 12 23 00-0052 Column Base Plates *(05 12 23 00-0048)*

05 12 23 00-0053	LB	Column Base Plates, Up To 150 Lb. / Each, A36 Miscellaneous Steel Items	4.14	0.81
		For ASTM A242 Type 2 High Strength Steel, Add	*0.26*	
		For Hot Dip Galvanizing, Add	*0.92*	
05 12 23 00-0054	LB	Column Base Plates, >150 Lb. / Each, A36 Miscellaneous Steel Items	3.90	0.68
		For ASTM A242 Type 2 High Strength Steel, Add	*0.25*	
		For Hot Dip Galvanizing, Add	*0.88*	
05 12 23 00-0055	TON	Column Base Plates, Up To 150 Lb. Each, A36 Miscellaneous Steel Items	7,553.66	715.85
		For ASTM A242 Type 2 High Strength Steel, Add	*543.21*	
		For Hot Dip Galvanizing, Add	*1,901.22*	
		For >10 To 25 Tons, Deduct	*-577.16*	
		For >25 To 50 Tons, Deduct	*-1,188.26*	
		For >50 To 75 Tons, Deduct	*-1,697.52*	
		For >75 Tons, Deduct	*-848.76*	
05 12 23 00-0056	TON	Column Base Plates, >150 Lb. Each, A36 Miscellaneous Steel Items	5,369.33	429.51
		For ASTM A242 Type 2 High Strength Steel, Add	*392.89*	
		For Hot Dip Galvanizing, Add	*1,375.13*	
		For >10 To 25 Tons, Deduct	*-417.45*	
		For >25 To 50 Tons, Deduct	*-859.46*	
		For >50 To 75 Tons, Deduct	*-1,227.80*	
		For >75 Tons, Deduct	*-613.90*	

05 12 23 00-0057 Double Extra Strong Pipes *(05 12 23 00-0048)*

05 12 23 00-0058	TON	2" To 5" Diameter Double Extra Strong Pipe	9,945.86	1,133.95
		For ASTM A242 Type 2 High Strength Steel, Add	*698.90*	
		For Hot Dip Galvanizing, Add	*2,446.15*	
		For >10 To 25 Tons, Deduct	*-742.58*	
		For >25 To 50 Tons, Deduct	*-1,528.85*	
		For >50 To 75 Tons, Deduct	*-2,184.07*	
		For >75 Tons, Deduct	*-1,092.03*	
05 12 23 00-0059	TON	>5" To 8" Diameter Double Extra Strong Pipe	9,387.58	610.57
		For ASTM A242 Type 2 High Strength Steel, Add	*698.90*	
		For Hot Dip Galvanizing, Add	*2,446.15*	
		For >10 To 25 Tons, Deduct	*-742.58*	
		For >25 To 50 Tons, Deduct	*-1,528.85*	
		For >50 To 75 Tons, Deduct	*-2,184.07*	
		For >75 Tons, Deduct	*-1,092.03*	

05 12 23 00-0060 Structural Pipes *(05 12 23 00-0048)*

05 12 23 00-0061	TON	3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	6,952.21	523.91
		For ASTM A242 Type 2 High Strength Steel, Add	*491.69*	
		For Hot Dip Galvanizing, Add	*1,720.91*	
		For >10 To 25 Tons, Deduct	*-522.42*	
		For >25 To 50 Tons, Deduct	*-1,075.57*	
		For >50 To 75 Tons, Deduct	*-1,536.53*	
		For >75 Tons, Deduct	*-768.26*	
05 12 23 00-0062	TON	>5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items	7,479.11	604.22
		For ASTM A242 Type 2 High Strength Steel, Add	*491.69*	
		For Hot Dip Galvanizing, Add	*1,720.91*	
		For >10 To 25 Tons, Deduct	*-522.42*	
		For >25 To 50 Tons, Deduct	*-1,075.57*	
		For >50 To 75 Tons, Deduct	*-1,536.53*	
		For >75 Tons, Deduct	*-768.26*	

05 12 23 00-0063 Structural Tubing *(05 12 23 00-0048)*

05 12 23 00-0064 Rectangle Structural Tubing *(05 12 23 00-0063)*

05 12 23 00-0065	TON	3" x 2" Weight Range 5-7 Lb./LF Structural Tubing - Rectangle	11,539.68	529.20
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0066	TON	4" x 3", 2" Weight Range 6-13 Lb./LF Structural Tubing - Rectangle	11,626.52	610.57
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	
05 12 23 00-0067	TON	5" x 4", 3", 2" Weight Range 8-20 Lb./LF Structural Tubing - Rectangle	10,144.29	661.50
		For ASTM A242 Type 2 High Strength Steel, Add	*755.09*	
		For Hot Dip Galvanizing, Add	*2,642.83*	
		For >10 To 25 Tons, Deduct	*-802.29*	
		For >25 To 50 Tons, Deduct	*-1,651.77*	
		For >50 To 75 Tons, Deduct	*-2,359.67*	
		For >75 Tons, Deduct	*-1,179.84*	
05 12 23 00-0068	TON	6" x 4", 3", 2" Weight Range 9-29 Lb./LF Structural Tubing - Rectangle	9,626.89	793.81
		For ASTM A242 Type 2 High Strength Steel, Add	*702.41*	
		For Hot Dip Galvanizing, Add	*2,458.44*	
		For >10 To 25 Tons, Deduct	*-746.31*	
		For >25 To 50 Tons, Deduct	*-1,536.53*	
		For >50 To 75 Tons, Deduct	*-2,195.04*	
		For >75 Tons, Deduct	*-1,097.52*	
05 12 23 00-0069	TON	7" x 5", 4", 3" Weight Range 12-35 Lb./LF Structural Tubing - Rectangle	9,464.29	881.91
		For ASTM A242 Type 2 High Strength Steel, Add	*681.88*	
		For Hot Dip Galvanizing, Add	*2,386.58*	
		For >10 To 25 Tons, Deduct	*-724.50*	
		For >25 To 50 Tons, Deduct	*-1,491.61*	
		For >50 To 75 Tons, Deduct	*-2,130.87*	
		For >75 Tons, Deduct	*-1,065.44*	
05 12 23 00-0070	TON	8" x 6", 4", 3", 2" Weight Range 11-42 Lb./LF Structural Tubing - Rectangle	9,624.42	1,220.47
		For ASTM A242 Type 2 High Strength Steel, Add	*665.81*	
		For Hot Dip Galvanizing, Add	*2,330.32*	
		For >10 To 25 Tons, Deduct	*-707.42*	
		For >25 To 50 Tons, Deduct	*-1,456.45*	
		For >50 To 75 Tons, Deduct	*-2,080.64*	
		For >75 Tons, Deduct	*-1,040.32*	
05 12 23 00-0071	TON	10" x 6", 4", 2" Weight Range 15-50 Lb./LF Structural Tubing - Rectangle	10,018.24	1,613.41
		For ASTM A242 Type 2 High Strength Steel, Add	*663.78*	
		For Hot Dip Galvanizing, Add	*2,323.23*	
		For >10 To 25 Tons, Deduct	*-705.27*	
		For >25 To 50 Tons, Deduct	*-1,452.02*	
		For >50 To 75 Tons, Deduct	*-2,074.32*	
		For >75 Tons, Deduct	*-1,037.16*	
05 12 23 00-0072	TON	12" x 6", 4", 2" Weight Range 17-76 Lb./LF Structural Tubing - Rectangle	10,265.00	1,762.38
		For ASTM A242 Type 2 High Strength Steel, Add	*670.80*	
		For Hot Dip Galvanizing, Add	*2,347.82*	
		For >10 To 25 Tons, Deduct	*-712.73*	
		For >25 To 50 Tons, Deduct	*-1,467.39*	
		For >50 To 75 Tons, Deduct	*-2,096.27*	
		For >75 Tons, Deduct	*-1,048.13*	
05 12 23 00-0073	TON	14" x 10", 6", 4" Weight Range 29-76 Lb./LF Structural Tubing - Rectangle	10,501.88	1,984.51
		For ASTM A242 Type 2 High Strength Steel, Add	*670.80*	
		For Hot Dip Galvanizing, Add	*2,347.82*	
		For >10 To 25 Tons, Deduct	*-712.73*	
		For >25 To 50 Tons, Deduct	*-1,467.39*	
		For >50 To 75 Tons, Deduct	*-2,096.27*	
		For >75 Tons, Deduct	*-1,048.13*	
05 12 23 00-0074	TON	16" x 12", 8", 4" Weight Range 40-90 Lb./LF Structural Tubing - Rectangle	11,119.67	2,646.01
		For ASTM A242 Type 2 High Strength Steel, Add	*663.78*	
		For Hot Dip Galvanizing, Add	*2,323.23*	
		For >10 To 25 Tons, Deduct	*-705.27*	
		For >25 To 50 Tons, Deduct	*-1,452.02*	
		For >50 To 75 Tons, Deduct	*-2,074.32*	
		For >75 Tons, Deduct	*-1,037.16*	
05 12 23 00-0075	TON	18" x 6", 4" Weight Range 48-76 Lb./LF Structural Tubing - Rectangle	12,524.83	4,169.19
		For ASTM A242 Type 2 High Strength Steel, Add	*646.22*	
		For Hot Dip Galvanizing, Add	*2,261.77*	
		For >10 To 25 Tons, Deduct	*-686.61*	
		For >25 To 50 Tons, Deduct	*-1,413.61*	
		For >50 To 75 Tons, Deduct	*-2,019.44*	
		For >75 Tons, Deduct	*-1,009.72*	
05 12 23 00-0076	TON	20" x 12", 8", 4" Weight Range 48-105 Lb./LF Structural Tubing - Rectangle	14,206.36	6,087.55
		For ASTM A242 Type 2 High Strength Steel, Add	*617.05*	
		For Hot Dip Galvanizing, Add	*2,159.66*	
		For >10 To 25 Tons, Deduct	*-655.61*	
		For >25 To 50 Tons, Deduct	*-1,349.79*	
		For >50 To 75 Tons, Deduct	*-1,928.27*	
		For >75 Tons, Deduct	*-964.14*	
05 12 23 00-0077		Square Structural Tubing *(05 12 23 00-0063)*		
05 12 23 00-0078	TON	2" x 2" Weight Range 4-6 Lb./LF Structural Tubing - Square	11,504.40	496.13
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0079	TON	2.5" x 2.5" Weight Range 5-8 Lb./LF Structural Tubing - Square	11,539.68	529.20
		For ASTM A242 Type 2 High Strength Steel, Add	*878.02*	
		For Hot Dip Galvanizing, Add	*3,073.06*	
		For >10 To 25 Tons, Deduct	*-932.89*	
		For >25 To 50 Tons, Deduct	*-1,920.66*	
		For >50 To 75 Tons, Deduct	*-2,743.80*	
		For >75 Tons, Deduct	*-1,371.90*	
05 12 23 00-0080	TON	3" x 3" Weight Range 6-11 Lb./LF Structural Tubing - Square	10,363.79	661.50
		For ASTM A242 Type 2 High Strength Steel, Add	*772.65*	
		For Hot Dip Galvanizing, Add	*2,704.29*	
		For >10 To 25 Tons, Deduct	*-820.95*	
		For >25 To 50 Tons, Deduct	*-1,690.18*	
		For >50 To 75 Tons, Deduct	*-2,414.55*	
		For >75 Tons, Deduct	*-1,207.27*	
05 12 23 00-0081	TON	3.5" x 3.5" Weight Range 8-13 Lb./LF Structural Tubing - Square	10,285.41	793.81
		For ASTM A242 Type 2 High Strength Steel, Add	*755.09*	
		For Hot Dip Galvanizing, Add	*2,642.83*	
		For >10 To 25 Tons, Deduct	*-802.29*	
		For >25 To 50 Tons, Deduct	*-1,651.77*	
		For >50 To 75 Tons, Deduct	*-2,359.67*	
		For >75 Tons, Deduct	*-1,179.84*	
05 12 23 00-0082	TON	4" x 4" Weight Range 10-22 Lb./LF Structural Tubing - Square	8,258.14	992.25
		For ASTM A242 Type 2 High Strength Steel, Add	*575.98*	
		For Hot Dip Galvanizing, Add	*2,015.92*	
		For >10 To 25 Tons, Deduct	*-611.98*	
		For >25 To 50 Tons, Deduct	*-1,259.95*	
		For >50 To 75 Tons, Deduct	*-1,799.93*	
		For >75 Tons, Deduct	*-899.97*	
05 12 23 00-0083	TON	5" x 5" Weight Range 12-30 Lb./LF Structural Tubing - Square	8,409.33	1,133.95
		For ASTM A242 Type 2 High Strength Steel, Add	*575.98*	
		For Hot Dip Galvanizing, Add	*2,015.92*	
		For >10 To 25 Tons, Deduct	*-611.98*	
		For >25 To 50 Tons, Deduct	*-1,259.95*	
		For >50 To 75 Tons, Deduct	*-1,799.93*	
		For >75 Tons, Deduct	*-899.97*	
05 12 23 00-0084	TON	6" x 6" Weight Range 15-35 Lb./LF Structural Tubing - Square	8,893.18	1,587.61
		For ASTM A242 Type 2 High Strength Steel, Add	*575.98*	
		For Hot Dip Galvanizing, Add	*2,015.92*	
		For >10 To 25 Tons, Deduct	*-611.98*	
		For >25 To 50 Tons, Deduct	*-1,259.95*	
		For >50 To 75 Tons, Deduct	*-1,799.93*	
		For >75 Tons, Deduct	*-899.97*	
05 12 23 00-0085	TON	7" x 7" Weight Range 17-42 Lb./LF Structural Tubing - Square	9,448.26	1,984.51
		For ASTM A242 Type 2 High Strength Steel, Add	*586.52*	
		For Hot Dip Galvanizing, Add	*2,052.80*	
		For >10 To 25 Tons, Deduct	*-623.17*	
		For >25 To 50 Tons, Deduct	*-1,283.00*	
		For >50 To 75 Tons, Deduct	*-1,832.86*	
		For >75 Tons, Deduct	*-916.43*	
05 12 23 00-0086	TON	8" x 8" Weight Range 20-60 Lb./LF Structural Tubing - Square	11,339.17	2,646.01
		For ASTM A242 Type 2 High Strength Steel, Add	*681.34*	
		For Hot Dip Galvanizing, Add	*2,384.69*	
		For >10 To 25 Tons, Deduct	*-723.92*	
		For >25 To 50 Tons, Deduct	*-1,490.43*	
		For >50 To 75 Tons, Deduct	*-2,129.19*	
		For >75 Tons, Deduct	*-1,064.60*	
05 12 23 00-0087	TON	10" x 10" Weight Range 33-77 Lb./LF Structural Tubing - Square	12,750.38	3,969.02
		For ASTM A242 Type 2 High Strength Steel, Add	*681.34*	
		For Hot Dip Galvanizing, Add	*2,384.69*	
		For >10 To 25 Tons, Deduct	*-723.92*	
		For >25 To 50 Tons, Deduct	*-1,490.43*	
		For >50 To 75 Tons, Deduct	*-2,129.19*	
		For >75 Tons, Deduct	*-1,064.60*	
05 12 23 00-0088	TON	12" x 12" Weight Range 40-80 Lb./LF Structural Tubing - Square	12,300.48	4,658.44
		For ASTM A242 Type 2 High Strength Steel, Add	*586.52*	
		For Hot Dip Galvanizing, Add	*2,052.80*	
		For >10 To 25 Tons, Deduct	*-623.17*	
		For >25 To 50 Tons, Deduct	*-1,283.00*	
		For >50 To 75 Tons, Deduct	*-1,832.86*	
		For >75 Tons, Deduct	*-916.43*	
05 12 23 00-0089	TON	14" x 14" Weight Range 57-90 Lb./LF Structural Tubing - Square	14,834.44	6,087.55
		For ASTM A242 Type 2 High Strength Steel, Add	*667.29*	
		For Hot Dip Galvanizing, Add	*2,335.52*	
		For >10 To 25 Tons, Deduct	*-709.00*	
		For >25 To 50 Tons, Deduct	*-1,459.70*	
		For >50 To 75 Tons, Deduct	*-2,085.29*	
		For >75 Tons, Deduct	*-1,042.65*	
05 12 23 00-0090	TON	16" x 16" Weight Range 65-105 Lb./LF Structural Tubing - Square	16,984.00	7,938.04
		For ASTM A242 Type 2 High Strength Steel, Add	*681.34*	
		For Hot Dip Galvanizing, Add	*2,384.69*	
		For >10 To 25 Tons, Deduct	*-723.92*	
		For >25 To 50 Tons, Deduct	*-1,490.43*	
		For >50 To 75 Tons, Deduct	*-2,129.19*	
		For >75 Tons, Deduct	*-1,064.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0091		**Galvanized Steel Pipe Tubing** *(05 12 23 00-0063)* Note: ASTM A53 Grade B		
05 12 23 00-0092	LF	2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	43.49	5.83
05 12 23 00-0093	LF	2-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	47.90	6.94
05 12 23 00-0094	LF	3" Diameter Galvanized Steel Pipe Tubing, Standard Weight	53.56	9.22
05 12 23 00-0095	LF	3-1/2" Diameter Galvanized Steel Pipe Tubing, Standard Weight	57.87	10.28
05 12 23 00-0096	LF	4" Diameter Galvanized Steel Pipe Tubing, Standard Weight	60.62	11.11
05 12 23 00-0097	LF	5" Diameter Galvanized Steel Pipe Tubing, Standard Weight	68.38	13.88
05 12 23 00-0098	LF	6" Diameter Galvanized Steel Pipe Tubing, Standard Weight	76.12	16.66
05 12 23 00-0099	LF	8" Diameter Galvanized Steel Pipe Tubing, Standard Weight	83.88	19.99
05 12 23 00-0100	LF	10" Diameter Galvanized Steel Pipe Tubing, Standard Weight	94.97	24.44
05 12 23 00-0101	LF	12" Diameter Galvanized Steel Pipe Tubing, Standard Weight	112.71	31.10
05 12 23 00-0102		**Structural Shapes** *(05 12 23 00-0048)*		
05 12 23 00-0103	TON	Up To 20 Lb./LF Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts	8,299.53	2,863.41
		For ASTM A242 Type 2 High Strength Steel, Add	*300.35*	
		For Hot Dip Galvanizing, Add	*1,051.24*	
		For >20 To 50 Lb./LF, Deduct	*-1,057.21*	
		For >50 To 75 Lb./LF, Deduct	*-1,699.44*	
		For >75 To 100 Lb./LF, Deduct	*-2,341.67*	
		For >10 To 25 Tons, Deduct	*-319.13*	
		For >25 To 50 Tons, Deduct	*-657.03*	
		For >50 To 75 Tons, Deduct	*-938.61*	
		For >75 Tons, Deduct	*-469.30*	
05 12 23 00-0104	TON	Structural Shapes, Steel Plate A36 Structural Steel Note: Up to 21.5 Lb. per SF	8,547.37	1,145.37
		For ASTM A242 Type 2 High Strength Steel, Add	*561.94*	
		For Hot Dip Galvanizing, Add	*1,966.80*	
		For >21.5 To 50 Lb./LF, Deduct	*-930.89*	
		For >10 To 25 Tons, Deduct	*-597.06*	
		For >25 To 50 Tons, Deduct	*-1,229.25*	
		For >50 To 75 Tons, Deduct	*-1,756.07*	
		For >75 Tons, Deduct	*-878.04*	
05 12 23 00-0105	LB	Up To 20 Lb./LF Structural Shapes, Primed Pipe Supports	4.98	0.26
05 12 23 00-0106	LB	Structural Shapes, Galvanized Pipe Supports	6.08	0.26
05 12 23 00-0107		**Built-Up Trusses** *(05 12 23 00-0048)*		
05 12 23 00-0108	TON	Up To 50 LF Span Average Weight 100 Lb./LF Trusses, Built-up	9,357.18	396.90
		For >10 To 25 Tons, Deduct	*-759.37*	
		For >25 To 50 Tons, Deduct	*-1,563.42*	
		For >50 To 75 Tons, Deduct	*-2,233.46*	
		For >75 Tons, Deduct	*-1,116.73*	
05 12 23 00-0109	TON	>50-100 LF Span Average Weight 120 Lb./LF Trusses, Built-up	9,256.83	220.41
		For >10 To 25 Tons, Deduct	*-766.84*	
		For >25 To 50 Tons, Deduct	*-1,578.78*	
		For >50 To 75 Tons, Deduct	*-2,255.41*	
		For >75 Tons, Deduct	*-1,127.70*	
05 12 23 00-0110	TON	>100-200 LF Span Average Weight 150 Lb./LF Trusses, Built-up	8,246.17	116.69
		For >10 To 25 Tons, Deduct	*-690.34*	
		For >25 To 50 Tons, Deduct	*-1,421.29*	
		For >50 To 75 Tons, Deduct	*-2,030.41*	
		For >75 Tons, Deduct	*-1,015.21*	
05 12 23 00-0111	TON	>200 LF Span Average Weight 180 Lb./LF Trusses, Built-up	8,019.75	110.34
		For >10 To 25 Tons, Deduct	*-671.68*	
		For >25 To 50 Tons, Deduct	*-1,382.88*	
		For >50 To 75 Tons, Deduct	*-1,975.54*	
		For >75 Tons, Deduct	*-987.77*	
05 12 23 00-0112		**Masonry Plates, Filler Plates, Sole Plates And Anchor Straps** *(05 12 23 00-0048)* Note: Includes shop fabrication, welds, drilling and shop primer.		
05 12 23 00-0113	SF	1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	31.04	8.25
05 12 23 00-0114	SF	3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	46.56	12.33
05 12 23 00-0115	SF	1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	62.08	16.45
05 12 23 00-0116	SF	5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	77.60	20.55
05 12 23 00-0117	SF	3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	93.12	24.54
05 12 23 00-0118	SF	7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	108.64	28.77
05 12 23 00-0119	SF	1" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	124.16	32.88
05 12 23 00-0120	SF	1-1/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	139.68	36.99
05 12 23 00-0121	SF	1-1/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	155.20	41.11
05 12 23 00-0122	SF	1-3/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	170.72	45.22
05 12 23 00-0123	SF	1-1/2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	186.24	49.33
05 12 23 00-0124	SF	1-5/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	201.76	53.44
05 12 23 00-0125	SF	1-3/4" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	217.29	57.54
05 12 23 00-0126	SF	1-7/8" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	232.82	61.65
05 12 23 00-0127	SF	2" Masonry Plates, Filler Plates, Sole Plates And Anchor Straps	248.33	65.77
05 12 23 00-0128		**Accessories For Steel** *(05 12 23)*		
05 12 23 00-0129		**Field Painting For Touch-Up Of Shop Prime Coat** *(05 12 23 00-0128)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0130	SF	Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat	1.35	

05 12 23 00-0131 Connection And Stiffener Plates *(05 12 23 00-0128)*

Note: For field fabrication of additional structural metal connections.

05 12 23 00-0132	TON	1/8" Plate Weight 6.16 Lb./SF Connection And Stiffener Plates	20,278.40	
		For >10 To 25 Tons, Deduct	*-1,723.66*	
		For >25 To 50 Tons, Deduct	*-3,548.72*	
		For >50 To 75 Tons, Deduct	*-5,069.60*	
		For >75 Tons, Deduct	*-2,534.80*	
05 12 23 00-0133	TON	3/16" Plate Weight 8.71 Lb./SF Connection And Stiffener Plates	17,301.45	
		For >10 To 25 Tons, Deduct	*-1,470.62*	
		For >25 To 50 Tons, Deduct	*-3,027.75*	
		For >50 To 75 Tons, Deduct	*-4,325.36*	
		For >75 Tons, Deduct	*-2,162.68*	
05 12 23 00-0134	TON	1/4" Plate Weight 11.26 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0135	TON	5/16" Plate Weight 13.81 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0136	TON	3/8" Plate Weight 16.37 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0137	TON	1/2" Plate Weight 21.47 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0138	TON	9/16" Plate Weight 24.02 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0139	TON	5/8" Plate Weight 26.58 Lb./SF Connection And Stiffener Plates	13,379.56	
		For >10 To 25 Tons, Deduct	*-1,137.26*	
		For >25 To 50 Tons, Deduct	*-2,341.42*	
		For >50 To 75 Tons, Deduct	*-3,344.89*	
		For >75 Tons, Deduct	*-1,672.45*	
05 12 23 00-0140	TON	3/4" Plate Weight 31.68 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	*-1,066.18*	
		For >25 To 50 Tons, Deduct	*-2,195.08*	
		For >50 To 75 Tons, Deduct	*-3,135.84*	
		For >75 Tons, Deduct	*-1,567.92*	
05 12 23 00-0141	TON	7/8" Plate Weight 36.78 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	*-1,066.18*	
		For >25 To 50 Tons, Deduct	*-2,195.08*	
		For >50 To 75 Tons, Deduct	*-3,135.84*	
		For >75 Tons, Deduct	*-1,567.92*	
05 12 23 00-0142	TON	1" Plate Weight 41.89 Lb./SF Connection And Stiffener Plates	12,543.34	
		For >10 To 25 Tons, Deduct	*-1,066.18*	
		For >25 To 50 Tons, Deduct	*-2,195.08*	
		For >50 To 75 Tons, Deduct	*-3,135.84*	
		For >75 Tons, Deduct	*-1,567.92*	

05 12 23 00-0143 Field Applied Cold Galvanizing *(05 12 23 00-0128)*

05 12 23 00-0144	SF	Brush Applied Cold Galvanizing	1.77	

05 12 23 00-0145 Metal Grinding *(05 12 23 00-0128)*

Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.

05 12 23 00-0146	SI	Metal Grinding Up To 1/32" Thickness To Be Removed Note: Includes rust or scale removal on metal and smoothing surface.	1.10	

05 12 23 00-0147 Structural Steel For Buildings And Structures *(05 12 23)*

Note: Prices by Ton (or Lb.) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.

05 12 23 00-0148 First Tier A992/A36 Structural Steel Columns, W Shapes *(05 12 23 00-0147)*

Note: With base plate. Includes material delivery and erection.

05 12 23 00-0149	LF	W14 x 730 A992/A36 Structural Column	1,496.21	79.42
		For Hot Dip Galvanizing, Add	*391.71*	
		For High Strength Low Alloy A572-50 Steel, Add	*134.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*299.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0150	LF	W14 x 665 A992/A36 Structural Column	1,364.77	74.03
		For Hot Dip Galvanizing, Add	*356.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*122.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*272.95*	
05 12 23 00-0151	LF	W14 x 605 A992/A36 Structural Column	1,243.32	68.90
		For Hot Dip Galvanizing, Add	*324.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*111.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*248.66*	
05 12 23 00-0152	LF	W14 x 550 A992/A36 Structural Column	1,131.83	64.09
		For Hot Dip Galvanizing, Add	*295.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*101.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*226.37*	
05 12 23 00-0153	LF	W14 x 500 A992/A36 Structural Column	1,040.23	68.80
		For Hot Dip Galvanizing, Add	*268.29*	
		For High Strength Low Alloy A572-50 Steel, Add	*93.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*208.05*	
05 12 23 00-0154	LF	W14 x 426 A992/A36 Structural Column	887.72	60.07
		For Hot Dip Galvanizing, Add	*228.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*79.89*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*177.54*	
05 12 23 00-0155	LF	W14 x 342 A992/A36 Structural Column	718.34	51.99
		For Hot Dip Galvanizing, Add	*183.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*64.65*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*143.67*	
05 12 23 00-0156	LF	W14 x 311 A992/A36 Structural Column	647.25	48.55
		For Hot Dip Galvanizing, Add	*165.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*58.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*129.45*	
05 12 23 00-0157	LF	W14 x 283 A992/A36 Structural Column	587.74	45.77
		For Hot Dip Galvanizing, Add	*149.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*52.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*117.55*	
05 12 23 00-0158	LF	W14 x 257 A992/A36 Structural Column	517.07	43.39
		For Hot Dip Galvanizing, Add	*130.65*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.54*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*103.41*	
05 12 23 00-0159	LF	W14 x 233 A992/A36 Structural Column	475.90	40.35
		For Hot Dip Galvanizing, Add	*120.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.83*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*95.18*	
05 12 23 00-0160	LF	W14 x 211 A992/A36 Structural Column	423.55	37.58
		For Hot Dip Galvanizing, Add	*106.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*84.71*	
05 12 23 00-0161	LF	W14 x 193 A992/A36 Structural Column	383.35	35.72
		For Hot Dip Galvanizing, Add	*95.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*76.67*	
05 12 23 00-0162	LF	W14 x 176 A992/A36 Structural Column	345.79	34.14
		For Hot Dip Galvanizing, Add	*85.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*69.16*	
05 12 23 00-0163	LF	W14 x 159 A992/A36 Structural Column	312.95	32.95
		For Hot Dip Galvanizing, Add	*77.11*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*62.59*	
05 12 23 00-0164	LF	W14 x 145 A992/A36 Structural Column	302.46	31.89
		For Hot Dip Galvanizing, Add	*74.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*60.49*	
05 12 23 00-0165	LF	W14 x 132 A992/A36 Structural Column	259.10	30.43
		For Hot Dip Galvanizing, Add	*62.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*51.82*	
05 12 23 00-0166	LF	W14 x 120 A992/A36 Structural Column	243.11	29.63
		For Hot Dip Galvanizing, Add	*58.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*48.62*	
05 12 23 00-0167	LF	W14 x 109 A992/A36 Structural Column	217.96	28.44
		For Hot Dip Galvanizing, Add	*52.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.59*	
05 12 23 00-0168	LF	W14 x 99 A992/A36 Structural Column	199.11	27.65
		For Hot Dip Galvanizing, Add	*47.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.92*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.82*	
05 12 23 00-0169	LF	W14 x 90 A992/A36 Structural Column	185.17	26.99
		For Hot Dip Galvanizing, Add	*43.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.67*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.03*	
05 12 23 00-0170	LF	W14 x 82 A992/A36 Structural Column	170.78	26.19
		For Hot Dip Galvanizing, Add	*39.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0171	LF	W14 x 74 A992/A36 Structural Column	154.46	25.54
		For Hot Dip Galvanizing, Add	*35.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.90*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.89*	
05 12 23 00-0172	LF	W14 x 68 A992/A36 Structural Column	144.47	25.13
		For Hot Dip Galvanizing, Add	*32.67*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.89*	
05 12 23 00-0173	LF	W14 x 61 A992/A36 Structural Column	131.97	24.48
		For Hot Dip Galvanizing, Add	*29.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.39*	
05 12 23 00-0174	LF	W14 x 53 A992/A36 Structural Column	120.44	23.81
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.09*	
05 12 23 00-0175	LF	W14 x 48 A992/A36 Structural Column	112.99	23.42
		For Hot Dip Galvanizing, Add	*24.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.60*	
05 12 23 00-0176	LF	W14 x 43 A992/A36 Structural Column	102.23	23.02
		For Hot Dip Galvanizing, Add	*21.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.45*	
05 12 23 00-0177	LF	W12 x 336 A992/A36 Structural Column	682.17	35.37
		For Hot Dip Galvanizing, Add	*178.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*61.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*136.43*	
05 12 23 00-0178	LF	W12 x 305 A992/A36 Structural Column	621.97	34.67
		For Hot Dip Galvanizing, Add	*162.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*55.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*124.39*	
05 12 23 00-0179	LF	W12 x 279 A992/A36 Structural Column	571.65	34.25
		For Hot Dip Galvanizing, Add	*148.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*51.45*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*114.33*	
05 12 23 00-0180	LF	W12 x 252 A992/A36 Structural Column	518.95	33.39
		For Hot Dip Galvanizing, Add	*134.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*46.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*103.79*	
05 12 23 00-0181	LF	W12 x 230 A992/A36 Structural Column	476.25	32.91
		For Hot Dip Galvanizing, Add	*122.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.86*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*95.25*	
05 12 23 00-0182	LF	W12 x 210 A992/A36 Structural Column	437.39	32.45
		For Hot Dip Galvanizing, Add	*111.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*87.48*	
05 12 23 00-0183	LF	W12 x 190 A992/A36 Structural Column	403.46	36.52
		For Hot Dip Galvanizing, Add	*101.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*80.69*	
05 12 23 00-0184	LF	W12 x 170 A992/A36 Structural Column	364.93	35.46
		For Hot Dip Galvanizing, Add	*90.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*72.99*	
05 12 23 00-0185	LF	W12 x 152 A992/A36 Structural Column	329.11	32.95
		For Hot Dip Galvanizing, Add	*81.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*65.82*	
05 12 23 00-0186	LF	W12 x 136 A992/A36 Structural Column	312.98	32.02
		For Hot Dip Galvanizing, Add	*77.38*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*62.60*	
05 12 23 00-0187	LF	W12 x 120 A992/A36 Structural Column	237.70	29.37
		For Hot Dip Galvanizing, Add	*57.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.54*	
05 12 23 00-0188	LF	W12 x 106 A992/A36 Structural Column	219.24	28.44
		For Hot Dip Galvanizing, Add	*52.43*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.73*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*43.85*	
05 12 23 00-0189	LF	W12 x 96 A992/A36 Structural Column	196.42	27.52
		For Hot Dip Galvanizing, Add	*46.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.28*	
05 12 23 00-0190	LF	W12 x 87 A992/A36 Structural Column	181.39	26.60
		For Hot Dip Galvanizing, Add	*42.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*36.28*	
05 12 23 00-0191	LF	W12 x 79 A992/A36 Structural Column	159.50	25.80
		For Hot Dip Galvanizing, Add	*36.62*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*31.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0192	LF	W12 x 72 A992/A36 Structural Column	146.20	25.13
		For Hot Dip Galvanizing, Add	*33.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.24*	
05 12 23 00-0193	LF	W12 x 65 A992/A36 Structural Column	133.86	24.61
		For Hot Dip Galvanizing, Add	*29.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.05*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.77*	
05 12 23 00-0194	LF	W12 x 58 A992/A36 Structural Column	129.60	24.35
		For Hot Dip Galvanizing, Add	*28.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.92*	
05 12 23 00-0195	LF	W12 x 53 A992/A36 Structural Column	120.44	23.81
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.84*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.09*	
05 12 23 00-0196	LF	W12 x 50 A992/A36 Structural Column	116.79	23.68
		For Hot Dip Galvanizing, Add	*25.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.36*	
05 12 23 00-0197	LF	W12 x 45 A992/A36 Structural Column	106.33	23.15
		For Hot Dip Galvanizing, Add	*22.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*21.27*	
05 12 23 00-0198	LF	W12 x 40 A992/A36 Structural Column	95.57	22.62
		For Hot Dip Galvanizing, Add	*19.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.60*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.11*	
05 12 23 00-0199	LF	W10 x 112 A992/A36 Structural Column	229.20	28.98
		For Hot Dip Galvanizing, Add	*55.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.63*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.84*	
05 12 23 00-0200	LF	W10 x 110 A992/A36 Structural Column	207.54	27.79
		For Hot Dip Galvanizing, Add	*49.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.68*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*41.51*	
05 12 23 00-0201	LF	W10 x 88 A992/A36 Structural Column	186.80	26.86
		For Hot Dip Galvanizing, Add	*43.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.81*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.36*	
05 12 23 00-0202	LF	W10 x 77 A992/A36 Structural Column	166.38	25.80
		For Hot Dip Galvanizing, Add	*38.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.28*	
05 12 23 00-0203	LF	W10 x 68 A992/A36 Structural Column	150.07	25.13
		For Hot Dip Galvanizing, Add	*34.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.51*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.01*	
05 12 23 00-0204	LF	W10 x 60 A992/A36 Structural Column	131.97	24.48
		For Hot Dip Galvanizing, Add	*29.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.39*	
05 12 23 00-0205	LF	W10 x 54 A992/A36 Structural Column	131.07	24.08
		For Hot Dip Galvanizing, Add	*29.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.21*	
05 12 23 00-0206	LF	W10 x 49 A992/A36 Structural Column	115.36	23.68
		For Hot Dip Galvanizing, Add	*25.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.38*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.07*	
05 12 23 00-0207	LF	W10 x 45 A992/A36 Structural Column	111.42	23.29
		For Hot Dip Galvanizing, Add	*24.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.03*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.28*	
05 12 23 00-0208	LF	W10 x 39 A992/A36 Structural Column	97.30	22.89
		For Hot Dip Galvanizing, Add	*20.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*19.46*	
05 12 23 00-0209	LF	W10 x 33 A992/A36 Structural Column	85.11	22.23
		For Hot Dip Galvanizing, Add	*17.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.02*	
05 12 23 00-0210	LF	W8 x 67 A992/A36 Structural Column	144.64	25.13
		For Hot Dip Galvanizing, Add	*32.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.02*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.93*	
05 12 23 00-0211	LF	W8 x 58 A992/A36 Structural Column	130.08	24.35
		For Hot Dip Galvanizing, Add	*28.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*26.02*	
05 12 23 00-0212	LF	W8 x 48 A992/A36 Structural Column	116.64	23.68
		For Hot Dip Galvanizing, Add	*25.39*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0213	LF	W8 x 40 A992/A36 Structural Column	100.47	23.02
		For Hot Dip Galvanizing, Add	*21.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.09*	
05 12 23 00-0214	LF	W8 x 35 A992/A36 Structural Column	90.97	22.49
		For Hot Dip Galvanizing, Add	*18.60*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.19*	
05 12 23 00-0215	LF	W8 x 31 A992/A36 Structural Column	83.35	22.23
		For Hot Dip Galvanizing, Add	*16.56*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.50*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.67*	
05 12 23 00-0216	LF	W8 x 28 A992/A36 Structural Column	78.61	21.96
		For Hot Dip Galvanizing, Add	*15.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.07*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.72*	
05 12 23 00-0217	LF	W8 x 24 A992/A36 Structural Column	72.91	21.70
		For Hot Dip Galvanizing, Add	*13.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.56*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.58*	
05 12 23 00-0218	LF	W8 x 21 A992/A36 Structural Column	69.12	21.57
		For Hot Dip Galvanizing, Add	*12.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.22*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.82*	
05 12 23 00-0219	LF	W8 x 18 A992/A36 Structural Column	61.97	21.17
		For Hot Dip Galvanizing, Add	*10.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.58*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.39*	
05 12 23 00-0220	LF	W6 x 25 A992/A36 Structural Column	76.43	21.70
		For Hot Dip Galvanizing, Add	*14.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.88*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*15.29*	
05 12 23 00-0221	LF	W6 x 20 A992/A36 Structural Column	64.98	21.30
		For Hot Dip Galvanizing, Add	*11.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.85*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.00*	
05 12 23 00-0222	LF	W6 x 15 A992/A36 Structural Column	56.02	20.64
		For Hot Dip Galvanizing, Add	*9.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.04*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.20*	
05 12 23 00-0223	LF	W6 x 12 A992/A36 Structural Column	52.66	20.64
		For Hot Dip Galvanizing, Add	*8.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.53*	
05 12 23 00-0224	LF	W6 x 9 A992/A36 Structural Column	48.36	20.51
		For Hot Dip Galvanizing, Add	*7.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.35*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.67*	
05 12 23 00-0225	LF	W5 x 19 A992/A36 Structural Column	64.02	21.30
		For Hot Dip Galvanizing, Add	*11.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.76*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.80*	
05 12 23 00-0226	LF	W5 x 16 A992/A36 Structural Column	59.13	21.17
		For Hot Dip Galvanizing, Add	*10.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.32*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.83*	
05 12 23 00-0227	LF	W4 x 13 A992/A36 Structural Column	55.51	20.90
		For Hot Dip Galvanizing, Add	*9.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.00*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.10*	

05 12 23 00-0228 A992/A36 Structural Steel Beams And Girders, W Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0229	LF	W36 x 300 A992/A36 Structural Beam Or Girder	547.00	86.98
		For Hot Dip Galvanizing, Add	*126.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*49.23*	
		For High Strength Low Alloy A588 Steel, Add	*109.40*	
		For Each Additional Top Copes >2, Add	*4.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-177.53*	
		For Skewed Or Sloped Connections, Add	*65.64*	
05 12 23 00-0230	LF	W36 x 280 A992/A36 Structural Beam Or Girder	529.78	99.23
		For Hot Dip Galvanizing, Add	*117.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*47.68*	
		For High Strength Low Alloy A588 Steel, Add	*105.96*	
		For Each Additional Top Copes >2, Add	*4.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-169.55*	
		For Skewed Or Sloped Connections, Add	*63.57*	
05 12 23 00-0231	LF	W36 x 260 A992/A36 Structural Beam Or Girder	502.10	98.04
		For Hot Dip Galvanizing, Add	*110.33*	
		For High Strength Low Alloy A572-50 Steel, Add	*45.19*	
		For High Strength Low Alloy A588 Steel, Add	*100.42*	
		For Each Additional Top Copes >2, Add	*3.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-160.06*	
		For Skewed Or Sloped Connections, Add	*60.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0232	LF	W36 x 240 A992/A36 Structural Beam Or Girder	467.00	83.83
		For Hot Dip Galvanizing, Add	*104.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.03*	
		For High Strength Low Alloy A588 Steel, Add	*93.40*	
		For Each Additional Top Copes >2, Add	*3.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-150.04*	
		For Skewed Or Sloped Connections, Add	*56.04*	
05 12 23 00-0233	LF	W36 x 230 A992/A36 Structural Beam Or Girder	452.53	85.02
		For Hot Dip Galvanizing, Add	*100.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*40.73*	
		For High Strength Low Alloy A588 Steel, Add	*90.51*	
		For Each Additional Top Copes >2, Add	*3.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-144.78*	
		For Skewed Or Sloped Connections, Add	*54.30*	
05 12 23 00-0234	LF	W36 x 210 A992/A36 Structural Beam Or Girder	431.58	94.86
		For Hot Dip Galvanizing, Add	*91.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*38.84*	
		For High Strength Low Alloy A588 Steel, Add	*86.32*	
		For Each Additional Top Copes >2, Add	*3.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-135.87*	
		For Skewed Or Sloped Connections, Add	*51.79*	
05 12 23 00-0235	LF	W36 x 194 A992/A36 Structural Beam Or Girder	405.83	81.31
		For Hot Dip Galvanizing, Add	*88.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.52*	
		For High Strength Low Alloy A588 Steel, Add	*81.17*	
		For Each Additional Top Copes >2, Add	*3.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-129.03*	
		For Skewed Or Sloped Connections, Add	*48.70*	
05 12 23 00-0236	LF	W36 x 182 A992/A36 Structural Beam Or Girder	385.45	80.72
		For Hot Dip Galvanizing, Add	*83.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.69*	
		For High Strength Low Alloy A588 Steel, Add	*77.09*	
		For Each Additional Top Copes >2, Add	*2.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-121.99*	
		For Skewed Or Sloped Connections, Add	*46.25*	
05 12 23 00-0237	LF	W36 x 170 A992/A36 Structural Beam Or Girder	364.72	79.79
		For Hot Dip Galvanizing, Add	*77.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.82*	
		For High Strength Low Alloy A588 Steel, Add	*72.94*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-114.89*	
		For Skewed Or Sloped Connections, Add	*43.77*	
05 12 23 00-0238	LF	W36 x 160 A992/A36 Structural Beam Or Girder	361.08	91.82
		For Hot Dip Galvanizing, Add	*73.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.50*	
		For High Strength Low Alloy A588 Steel, Add	*72.22*	
		For Each Additional Top Copes >2, Add	*2.63*	
		For Structural Tees, WT, MT Or ST, Deduct	*-111.69*	
		For Skewed Or Sloped Connections, Add	*43.33*	
05 12 23 00-0239	LF	W36 x 150 A992/A36 Structural Beam Or Girder	346.62	91.15
		For Hot Dip Galvanizing, Add	*69.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.20*	
		For High Strength Low Alloy A588 Steel, Add	*69.32*	
		For Each Additional Top Copes >2, Add	*2.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.73*	
		For Skewed Or Sloped Connections, Add	*41.59*	
05 12 23 00-0240	LF	W36 x 135 A992/A36 Structural Beam Or Girder	326.41	90.36
		For Hot Dip Galvanizing, Add	*63.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.38*	
		For High Strength Low Alloy A588 Steel, Add	*65.28*	
		For Each Additional Top Copes >2, Add	*2.30*	
		For Structural Tees, WT, MT Or ST, Deduct	*-99.80*	
		For Skewed Or Sloped Connections, Add	*39.17*	
05 12 23 00-0241	LF	W33 x 241 A992/A36 Structural Beam Or Girder	473.09	86.47
		For Hot Dip Galvanizing, Add	*105.69*	
		For High Strength Low Alloy A572-50 Steel, Add	*42.58*	
		For High Strength Low Alloy A588 Steel, Add	*94.62*	
		For Each Additional Top Copes >2, Add	*3.81*	
		For Structural Tees, WT, MT Or ST, Deduct	*-151.75*	
		For Skewed Or Sloped Connections, Add	*56.77*	
05 12 23 00-0242	LF	W33 x 221 A992/A36 Structural Beam Or Girder	439.23	84.34
		For Hot Dip Galvanizing, Add	*96.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*39.53*	
		For High Strength Low Alloy A588 Steel, Add	*87.85*	
		For Each Additional Top Copes >2, Add	*3.49*	
		For Structural Tees, WT, MT Or ST, Deduct	*-140.24*	
		For Skewed Or Sloped Connections, Add	*52.71*	
05 12 23 00-0243	LF	W33 x 201 A992/A36 Structural Beam Or Girder	418.20	94.20
		For Hot Dip Galvanizing, Add	*88.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.64*	
		For High Strength Low Alloy A588 Steel, Add	*83.64*	
		For Each Additional Top Copes >2, Add	*3.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-131.29*	
		For Skewed Or Sloped Connections, Add	*50.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0244	LF	W33 x 170 A992/A36 Structural Beam Or Girder	376.60	92.48
		For Hot Dip Galvanizing, Add	*77.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.89*	
		For High Strength Low Alloy A588 Steel, Add	*75.32*	
		For Each Additional Top Copes >2, Add	*2.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-117.02*	
		For Skewed Or Sloped Connections, Add	*45.19*	
05 12 23 00-0245	LF	W33 x 152 A992/A36 Structural Beam Or Girder	341.85	79.54
		For Hot Dip Galvanizing, Add	*71.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.77*	
		For High Strength Low Alloy A588 Steel, Add	*68.37*	
		For Each Additional Top Copes >2, Add	*2.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.92*	
		For Skewed Or Sloped Connections, Add	*41.02*	
05 12 23 00-0246	LF	W33 x 141 A992/A36 Structural Beam Or Girder	335.13	90.63
		For Hot Dip Galvanizing, Add	*66.16*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.16*	
		For High Strength Low Alloy A588 Steel, Add	*67.03*	
		For Each Additional Top Copes >2, Add	*2.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-102.79*	
		For Skewed Or Sloped Connections, Add	*40.22*	
05 12 23 00-0247	LF	W33 x 130 A992/A36 Structural Beam Or Girder	318.77	89.96
		For Hot Dip Galvanizing, Add	*61.84*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.69*	
		For High Strength Low Alloy A588 Steel, Add	*63.75*	
		For Each Additional Top Copes >2, Add	*2.23*	
		For Structural Tees, WT, MT Or ST, Deduct	*-97.18*	
		For Skewed Or Sloped Connections, Add	*38.25*	
05 12 23 00-0248	LF	W33 x 118 A992/A36 Structural Beam Or Girder	299.75	89.17
		For Hot Dip Galvanizing, Add	*56.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.98*	
		For High Strength Low Alloy A588 Steel, Add	*59.95*	
		For Each Additional Top Copes >2, Add	*2.05*	
		For Structural Tees, WT, MT Or ST, Deduct	*-90.64*	
		For Skewed Or Sloped Connections, Add	*35.97*	
05 12 23 00-0249	LF	W30 x 211 A992/A36 Structural Beam Or Girder	421.56	84.18
		For Hot Dip Galvanizing, Add	*92.06*	
		For High Strength Low Alloy A572-50 Steel, Add	*37.94*	
		For High Strength Low Alloy A588 Steel, Add	*84.31*	
		For Each Additional Top Copes >2, Add	*3.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-134.08*	
		For Skewed Or Sloped Connections, Add	*50.59*	
05 12 23 00-0250	LF	W30 x 191 A992/A36 Structural Beam Or Girder	400.21	93.54
		For Hot Dip Galvanizing, Add	*83.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.02*	
		For High Strength Low Alloy A588 Steel, Add	*80.04*	
		For Each Additional Top Copes >2, Add	*3.00*	
		For Structural Tees, WT, MT Or ST, Deduct	*-125.09*	
		For Skewed Or Sloped Connections, Add	*48.03*	
05 12 23 00-0251	LF	W30 x 173 A992/A36 Structural Beam Or Girder	366.04	80.34
		For Hot Dip Galvanizing, Add	*77.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.94*	
		For High Strength Low Alloy A588 Steel, Add	*73.21*	
		For Each Additional Top Copes >2, Add	*2.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-115.26*	
		For Skewed Or Sloped Connections, Add	*43.92*	
05 12 23 00-0252	LF	W30 x 154 A992/A36 Structural Beam Or Girder	346.93	91.29
		For Hot Dip Galvanizing, Add	*69.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.22*	
		For High Strength Low Alloy A588 Steel, Add	*69.39*	
		For Each Additional Top Copes >2, Add	*2.50*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.82*	
		For Skewed Or Sloped Connections, Add	*41.63*	
05 12 23 00-0253	LF	W30 x 132 A992/A36 Structural Beam Or Girder	308.90	77.51
		For Hot Dip Galvanizing, Add	*62.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.80*	
		For High Strength Low Alloy A588 Steel, Add	*61.78*	
		For Each Additional Top Copes >2, Add	*2.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-95.71*	
		For Skewed Or Sloped Connections, Add	*37.07*	
05 12 23 00-0254	LF	W30 x 124 A992/A36 Structural Beam Or Girder	295.15	77.47
		For Hot Dip Galvanizing, Add	*58.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.56*	
		For High Strength Low Alloy A588 Steel, Add	*59.03*	
		For Each Additional Top Copes >2, Add	*2.13*	
		For Structural Tees, WT, MT Or ST, Deduct	*-90.91*	
		For Skewed Or Sloped Connections, Add	*35.42*	
05 12 23 00-0255	LF	W30 x 116 A992/A36 Structural Beam Or Girder	293.79	89.04
		For Hot Dip Galvanizing, Add	*55.17*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.44*	
		For High Strength Low Alloy A588 Steel, Add	*58.76*	
		For Each Additional Top Copes >2, Add	*1.99*	
		For Structural Tees, WT, MT Or ST, Deduct	*-88.58*	
		For Skewed Or Sloped Connections, Add	*35.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0256	LF	W30 x 108 A992/A36 Structural Beam Or Girder	271.52	80.17
		For Hot Dip Galvanizing, Add	*51.63*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.44*	
		For High Strength Low Alloy A588 Steel, Add	*54.30*	
		For Each Additional Top Copes >2, Add	*1.86*	
		For Structural Tees, WT, MT Or ST, Deduct	*-82.21*	
		For Skewed Or Sloped Connections, Add	*32.58*	
05 12 23 00-0257	LF	W30 x 99 A992/A36 Structural Beam Or Girder	259.86	79.78
		For Hot Dip Galvanizing, Add	*48.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.39*	
		For High Strength Low Alloy A588 Steel, Add	*51.97*	
		For Each Additional Top Copes >2, Add	*1.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-78.21*	
		For Skewed Or Sloped Connections, Add	*31.18*	
05 12 23 00-0258	LF	W27 x 178 A992/A36 Structural Beam Or Girder	407.44	94.07
		For Hot Dip Galvanizing, Add	*85.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*36.67*	
		For High Strength Low Alloy A588 Steel, Add	*81.49*	
		For Each Additional Top Copes >2, Add	*3.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-127.55*	
		For Skewed Or Sloped Connections, Add	*48.89*	
05 12 23 00-0259	LF	W27 x 161 A992/A36 Structural Beam Or Girder	374.33	90.52
		For Hot Dip Galvanizing, Add	*77.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*33.69*	
		For High Strength Low Alloy A588 Steel, Add	*74.87*	
		For Each Additional Top Copes >2, Add	*2.78*	
		For Structural Tees, WT, MT Or ST, Deduct	*-116.53*	
		For Skewed Or Sloped Connections, Add	*44.92*	
05 12 23 00-0260	LF	W27 x 146 A992/A36 Structural Beam Or Girder	345.03	87.32
		For Hot Dip Galvanizing, Add	*69.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*31.05*	
		For High Strength Low Alloy A588 Steel, Add	*69.01*	
		For Each Additional Top Copes >2, Add	*2.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-106.79*	
		For Skewed Or Sloped Connections, Add	*41.40*	
05 12 23 00-0261	LF	W27 x 114 A992/A36 Structural Beam Or Girder	274.05	72.54
		For Hot Dip Galvanizing, Add	*54.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.66*	
		For High Strength Low Alloy A588 Steel, Add	*54.81*	
		For Each Additional Top Copes >2, Add	*1.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-84.31*	
		For Skewed Or Sloped Connections, Add	*32.89*	
05 12 23 00-0262	LF	W27 x 102 A992/A36 Structural Beam Or Girder	261.05	79.78
		For Hot Dip Galvanizing, Add	*48.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.49*	
		For High Strength Low Alloy A588 Steel, Add	*52.21*	
		For Each Additional Top Copes >2, Add	*1.76*	
		For Structural Tees, WT, MT Or ST, Deduct	*-78.61*	
		For Skewed Or Sloped Connections, Add	*31.33*	
05 12 23 00-0263	LF	W27 x 94 A992/A36 Structural Beam Or Girder	250.08	79.24
		For Hot Dip Galvanizing, Add	*45.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.51*	
		For High Strength Low Alloy A588 Steel, Add	*50.02*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-74.85*	
		For Skewed Or Sloped Connections, Add	*30.01*	
05 12 23 00-0264	LF	W27 x 84 A992/A36 Structural Beam Or Girder	236.69	78.72
		For Hot Dip Galvanizing, Add	*42.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.30*	
		For High Strength Low Alloy A588 Steel, Add	*47.34*	
		For Each Additional Top Copes >2, Add	*1.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.26*	
		For Skewed Or Sloped Connections, Add	*28.40*	
05 12 23 00-0265	LF	W24 x 162 A992/A36 Structural Beam Or Girder	360.50	86.79
		For Hot Dip Galvanizing, Add	*74.35*	
		For High Strength Low Alloy A572-50 Steel, Add	*32.45*	
		For High Strength Low Alloy A588 Steel, Add	*72.10*	
		For Each Additional Top Copes >2, Add	*2.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-112.29*	
		For Skewed Or Sloped Connections, Add	*43.26*	
05 12 23 00-0266	LF	W24 x 146 A992/A36 Structural Beam Or Girder	330.22	83.20
		For Hot Dip Galvanizing, Add	*67.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*29.72*	
		For High Strength Low Alloy A588 Steel, Add	*66.04*	
		For Each Additional Top Copes >2, Add	*2.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-102.26*	
		For Skewed Or Sloped Connections, Add	*39.63*	
05 12 23 00-0267	LF	W24 x 131 A992/A36 Structural Beam Or Girder	301.37	79.42
		For Hot Dip Galvanizing, Add	*60.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.12*	
		For High Strength Low Alloy A588 Steel, Add	*60.27*	
		For Each Additional Top Copes >2, Add	*2.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-92.77*	
		For Skewed Or Sloped Connections, Add	*36.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0268	LF	W24 x 117 A992/A36 Structural Beam Or Girder	273.98	75.46
		For Hot Dip Galvanizing, Add	*53.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.66*	
		For High Strength Low Alloy A588 Steel, Add	*54.80*	
		For Each Additional Top Copes >2, Add	*1.94*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.82*	
		For Skewed Or Sloped Connections, Add	*32.88*	
05 12 23 00-0269	LF	W24 x 104 A992/A36 Structural Beam Or Girder	248.11	71.36
		For Hot Dip Galvanizing, Add	*47.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.33*	
		For High Strength Low Alloy A588 Steel, Add	*49.62*	
		For Each Additional Top Copes >2, Add	*1.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-75.42*	
		For Skewed Or Sloped Connections, Add	*29.77*	
05 12 23 00-0270	LF	W24 x 94 A992/A36 Structural Beam Or Girder	240.00	79.24
		For Hot Dip Galvanizing, Add	*43.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.60*	
		For High Strength Low Alloy A588 Steel, Add	*48.00*	
		For Each Additional Top Copes >2, Add	*1.55*	
		For Structural Tees, WT, MT Or ST, Deduct	*-71.32*	
		For Skewed Or Sloped Connections, Add	*28.80*	
05 12 23 00-0271	LF	W24 x 84 A992/A36 Structural Beam Or Girder	218.63	70.25
		For Hot Dip Galvanizing, Add	*39.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.68*	
		For High Strength Low Alloy A588 Steel, Add	*43.73*	
		For Each Additional Top Copes >2, Add	*1.44*	
		For Structural Tees, WT, MT Or ST, Deduct	*-65.27*	
		For Skewed Or Sloped Connections, Add	*26.24*	
05 12 23 00-0272	LF	W24 x 76 A992/A36 Structural Beam Or Girder	208.37	69.73
		For Hot Dip Galvanizing, Add	*37.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.75*	
		For High Strength Low Alloy A588 Steel, Add	*41.67*	
		For Each Additional Top Copes >2, Add	*1.34*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.76*	
		For Skewed Or Sloped Connections, Add	*25.00*	
05 12 23 00-0273	LF	W24 x 68 A992/A36 Structural Beam Or Girder	195.47	69.32
		For Hot Dip Galvanizing, Add	*33.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.59*	
		For High Strength Low Alloy A588 Steel, Add	*39.09*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.32*	
		For Skewed Or Sloped Connections, Add	*23.46*	
05 12 23 00-0274	LF	W24 x 62 A992/A36 Structural Beam Or Girder	188.70	68.93
		For Hot Dip Galvanizing, Add	*31.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.98*	
		For High Strength Low Alloy A588 Steel, Add	*37.74*	
		For Each Additional Top Copes >2, Add	*1.15*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.01*	
		For Skewed Or Sloped Connections, Add	*22.64*	
05 12 23 00-0275	LF	W24 x 55 A992/A36 Structural Beam Or Girder	179.46	68.67
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.15*	
		For High Strength Low Alloy A588 Steel, Add	*35.89*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.84*	
		For Skewed Or Sloped Connections, Add	*21.54*	
05 12 23 00-0276	LF	W21 x 147 A992/A36 Structural Beam Or Girder	314.87	71.37
		For Hot Dip Galvanizing, Add	*66.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.34*	
		For High Strength Low Alloy A588 Steel, Add	*62.97*	
		For Each Additional Top Copes >2, Add	*2.39*	
		For Structural Tees, WT, MT Or ST, Deduct	*-98.79*	
		For Skewed Or Sloped Connections, Add	*37.78*	
05 12 23 00-0277	LF	W21 x 132 A992/A36 Structural Beam Or Girder	287.11	68.18
		For Hot Dip Galvanizing, Add	*59.49*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.84*	
		For High Strength Low Alloy A588 Steel, Add	*57.42*	
		For Each Additional Top Copes >2, Add	*2.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-89.58*	
		For Skewed Or Sloped Connections, Add	*34.45*	
05 12 23 00-0278	LF	W21 x 122 A992/A36 Structural Beam Or Girder	269.64	67.04
		For Hot Dip Galvanizing, Add	*54.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*24.27*	
		For High Strength Low Alloy A588 Steel, Add	*53.93*	
		For Each Additional Top Copes >2, Add	*1.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-83.65*	
		For Skewed Or Sloped Connections, Add	*32.36*	
05 12 23 00-0279	LF	W21 x 111 A992/A36 Structural Beam Or Girder	249.50	64.89
		For Hot Dip Galvanizing, Add	*50.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.46*	
		For High Strength Low Alloy A588 Steel, Add	*49.90*	
		For Each Additional Top Copes >2, Add	*1.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-76.94*	
		For Skewed Or Sloped Connections, Add	*29.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0280	LF	W21 x 101 A992/A36 Structural Beam Or Girder	231.03	62.81
		For Hot Dip Galvanizing, Add	*45.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.79*	
		For High Strength Low Alloy A588 Steel, Add	*46.21*	
		For Each Additional Top Copes >2, Add	*1.64*	
		For Structural Tees, WT, MT Or ST, Deduct	*-70.81*	
		For Skewed Or Sloped Connections, Add	*27.72*	
05 12 23 00-0281	LF	W21 x 93 A992/A36 Structural Beam Or Girder	226.85	71.05
		For Hot Dip Galvanizing, Add	*41.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.42*	
		For High Strength Low Alloy A588 Steel, Add	*45.37*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.03*	
		For Skewed Or Sloped Connections, Add	*27.22*	
05 12 23 00-0282	LF	W21 x 83 A992/A36 Structural Beam Or Girder	214.74	70.25
		For Hot Dip Galvanizing, Add	*38.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.33*	
		For High Strength Low Alloy A588 Steel, Add	*42.95*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-63.91*	
		For Skewed Or Sloped Connections, Add	*25.77*	
05 12 23 00-0283	LF	W21 x 73 A992/A36 Structural Beam Or Girder	199.92	69.73
		For Hot Dip Galvanizing, Add	*34.85*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.99*	
		For High Strength Low Alloy A588 Steel, Add	*39.98*	
		For Each Additional Top Copes >2, Add	*1.26*	
		For Structural Tees, WT, MT Or ST, Deduct	*-58.82*	
		For Skewed Or Sloped Connections, Add	*23.99*	
05 12 23 00-0284	LF	W21 x 68 A992/A36 Structural Beam Or Girder	192.46	69.32
		For Hot Dip Galvanizing, Add	*32.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.32*	
		For High Strength Low Alloy A588 Steel, Add	*38.49*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.27*	
		For Skewed Or Sloped Connections, Add	*23.10*	
05 12 23 00-0285	LF	W21 x 62 A992/A36 Structural Beam Or Girder	185.69	68.93
		For Hot Dip Galvanizing, Add	*31.12*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.71*	
		For High Strength Low Alloy A588 Steel, Add	*37.14*	
		For Each Additional Top Copes >2, Add	*1.12*	
		For Structural Tees, WT, MT Or ST, Deduct	*-53.96*	
		For Skewed Or Sloped Connections, Add	*22.28*	
05 12 23 00-0286	LF	W21 x 57 A992/A36 Structural Beam Or Girder	179.60	68.80
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.16*	
		For High Strength Low Alloy A588 Steel, Add	*35.92*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.87*	
		For Skewed Or Sloped Connections, Add	*21.55*	
05 12 23 00-0287	LF	W21 x 50 A992/A36 Structural Beam Or Girder	159.10	59.66
		For Hot Dip Galvanizing, Add	*26.45*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.32*	
		For High Strength Low Alloy A588 Steel, Add	*31.82*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-46.12*	
		For Skewed Or Sloped Connections, Add	*19.09*	
05 12 23 00-0288	LF	W21 x 44 A992/A36 Structural Beam Or Girder	151.99	59.40
		For Hot Dip Galvanizing, Add	*24.59*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.68*	
		For High Strength Low Alloy A588 Steel, Add	*30.40*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.69*	
		For Skewed Or Sloped Connections, Add	*18.24*	
05 12 23 00-0289	LF	W18 x 119 A992/A36 Structural Beam Or Girder	262.42	66.81
		For Hot Dip Galvanizing, Add	*53.05*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.62*	
		For High Strength Low Alloy A588 Steel, Add	*52.48*	
		For Each Additional Top Copes >2, Add	*1.91*	
		For Structural Tees, WT, MT Or ST, Deduct	*-81.16*	
		For Skewed Or Sloped Connections, Add	*31.49*	
05 12 23 00-0290	LF	W18 x 106 A992/A36 Structural Beam Or Girder	237.80	63.31
		For Hot Dip Galvanizing, Add	*47.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.40*	
		For High Strength Low Alloy A588 Steel, Add	*47.56*	
		For Each Additional Top Copes >2, Add	*1.70*	
		For Structural Tees, WT, MT Or ST, Deduct	*-73.10*	
		For Skewed Or Sloped Connections, Add	*28.54*	
05 12 23 00-0291	LF	W18 x 97 A992/A36 Structural Beam Or Girder	231.76	71.05
		For Hot Dip Galvanizing, Add	*43.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.86*	
		For High Strength Low Alloy A588 Steel, Add	*46.35*	
		For Each Additional Top Copes >2, Add	*1.56*	
		For Structural Tees, WT, MT Or ST, Deduct	*-69.73*	
		For Skewed Or Sloped Connections, Add	*27.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0292	LF	W18 x 86 A992/A36 Structural Beam Or Girder	217.87	70.38
		For Hot Dip Galvanizing, Add	*39.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.61*	
		For High Strength Low Alloy A588 Steel, Add	*43.57*	
		For Each Additional Top Copes >2, Add	*1.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-64.98*	
		For Skewed Or Sloped Connections, Add	*26.14*	
05 12 23 00-0293	LF	W18 x 76 A992/A36 Structural Beam Or Girder	205.36	69.73
		For Hot Dip Galvanizing, Add	*36.32*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.48*	
		For High Strength Low Alloy A588 Steel, Add	*41.07*	
		For Each Additional Top Copes >2, Add	*1.31*	
		For Structural Tees, WT, MT Or ST, Deduct	*-60.70*	
		For Skewed Or Sloped Connections, Add	*24.64*	
05 12 23 00-0294	LF	W18 x 71 A992/A36 Structural Beam Or Girder	196.26	69.59
		For Hot Dip Galvanizing, Add	*33.87*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.66*	
		For High Strength Low Alloy A588 Steel, Add	*39.25*	
		For Each Additional Top Copes >2, Add	*1.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-57.56*	
		For Skewed Or Sloped Connections, Add	*23.55*	
05 12 23 00-0295	LF	W18 x 65 A992/A36 Structural Beam Or Girder	187.37	69.32
		For Hot Dip Galvanizing, Add	*31.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.86*	
		For High Strength Low Alloy A588 Steel, Add	*37.47*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-54.51*	
		For Skewed Or Sloped Connections, Add	*22.48*	
05 12 23 00-0296	LF	W18 x 60 A992/A36 Structural Beam Or Girder	179.37	68.80
		For Hot Dip Galvanizing, Add	*29.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.14*	
		For High Strength Low Alloy A588 Steel, Add	*35.87*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.77*	
		For Skewed Or Sloped Connections, Add	*21.52*	
05 12 23 00-0297	LF	W18 x 55 A992/A36 Structural Beam Or Girder	171.32	68.67
		For Hot Dip Galvanizing, Add	*27.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.42*	
		For High Strength Low Alloy A588 Steel, Add	*34.26*	
		For Each Additional Top Copes >2, Add	*0.98*	
		For Structural Tees, WT, MT Or ST, Deduct	*-48.99*	
		For Skewed Or Sloped Connections, Add	*20.56*	
05 12 23 00-0298	LF	W18 x 50 A992/A36 Structural Beam Or Girder	154.15	59.66
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.87*	
		For High Strength Low Alloy A588 Steel, Add	*30.83*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.39*	
		For Skewed Or Sloped Connections, Add	*18.50*	
05 12 23 00-0299	LF	W18 x 46 A992/A36 Structural Beam Or Girder	147.87	59.53
		For Hot Dip Galvanizing, Add	*23.41*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.31*	
		For High Strength Low Alloy A588 Steel, Add	*29.57*	
		For Each Additional Top Copes >2, Add	*0.84*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.23*	
		For Skewed Or Sloped Connections, Add	*17.74*	
05 12 23 00-0300	LF	W18 x 40 A992/A36 Structural Beam Or Girder	129.23	50.80
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.63*	
		For High Strength Low Alloy A588 Steel, Add	*25.85*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.09*	
		For Skewed Or Sloped Connections, Add	*15.51*	
05 12 23 00-0301	LF	W18 x 35 A992/A36 Structural Beam Or Girder	121.37	50.67
		For Hot Dip Galvanizing, Add	*18.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.92*	
		For High Strength Low Alloy A588 Steel, Add	*24.27*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.38*	
		For Skewed Or Sloped Connections, Add	*14.56*	
05 12 23 00-0302	LF	W16 x 100 A992/A36 Structural Beam Or Girder	216.70	46.18
		For Hot Dip Galvanizing, Add	*46.48*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.50*	
		For High Strength Low Alloy A588 Steel, Add	*43.34*	
		For Each Additional Top Copes >2, Add	*1.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-68.46*	
		For Skewed Or Sloped Connections, Add	*26.00*	
05 12 23 00-0303	LF	W16 x 89 A992/A36 Structural Beam Or Girder	198.93	45.38
		For Hot Dip Galvanizing, Add	*41.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.90*	
		For High Strength Low Alloy A588 Steel, Add	*39.79*	
		For Each Additional Top Copes >2, Add	*1.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-62.36*	
		For Skewed Or Sloped Connections, Add	*23.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0304	LF	W16 x 77 A992/A36 Structural Beam Or Girder	179.88	44.85
		For Hot Dip Galvanizing, Add	*36.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.19*	
		For High Strength Low Alloy A588 Steel, Add	*35.98*	
		For Each Additional Top Copes >2, Add	*1.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.79*	
		For Skewed Or Sloped Connections, Add	*21.59*	
05 12 23 00-0305	LF	W16 x 67 A992/A36 Structural Beam Or Girder	163.65	44.19
		For Hot Dip Galvanizing, Add	*32.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.73*	
		For High Strength Low Alloy A588 Steel, Add	*32.73*	
		For Each Additional Top Copes >2, Add	*1.17*	
		For Structural Tees, WT, MT Or ST, Deduct	*-50.21*	
		For Skewed Or Sloped Connections, Add	*19.64*	
05 12 23 00-0306	LF	W16 x 57 A992/A36 Structural Beam Or Girder	147.61	43.52
		For Hot Dip Galvanizing, Add	*28.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.28*	
		For High Strength Low Alloy A588 Steel, Add	*29.52*	
		For Each Additional Top Copes >2, Add	*1.01*	
		For Structural Tees, WT, MT Or ST, Deduct	*-44.70*	
		For Skewed Or Sloped Connections, Add	*17.71*	
05 12 23 00-0307	LF	W16 x 50 A992/A36 Structural Beam Or Girder	136.42	43.13
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.28*	
		For High Strength Low Alloy A588 Steel, Add	*27.28*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.84*	
		For Skewed Or Sloped Connections, Add	*16.37*	
05 12 23 00-0308	LF	W16 x 45 A992/A36 Structural Beam Or Girder	128.54	42.87
		For Hot Dip Galvanizing, Add	*22.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.57*	
		For High Strength Low Alloy A588 Steel, Add	*25.71*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-38.12*	
		For Skewed Or Sloped Connections, Add	*15.42*	
05 12 23 00-0309	LF	W16 x 40 A992/A36 Structural Beam Or Girder	120.37	42.46
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.83*	
		For High Strength Low Alloy A588 Steel, Add	*24.07*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.32*	
		For Skewed Or Sloped Connections, Add	*14.44*	
05 12 23 00-0310	LF	W16 x 36 A992/A36 Structural Beam Or Girder	113.97	42.20
		For Hot Dip Galvanizing, Add	*19.14*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.26*	
		For High Strength Low Alloy A588 Steel, Add	*22.79*	
		For Each Additional Top Copes >2, Add	*0.69*	
		For Structural Tees, WT, MT Or ST, Deduct	*-33.14*	
		For Skewed Or Sloped Connections, Add	*13.68*	
05 12 23 00-0311	LF	W16 x 31 A992/A36 Structural Beam Or Girder	97.05	33.60
		For Hot Dip Galvanizing, Add	*16.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.73*	
		For High Strength Low Alloy A588 Steel, Add	*19.41*	
		For Each Additional Top Copes >2, Add	*0.61*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.59*	
		For Skewed Or Sloped Connections, Add	*11.65*	
05 12 23 00-0312	LF	W16 x 26 A992/A36 Structural Beam Or Girder	86.77	33.21
		For Hot Dip Galvanizing, Add	*14.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.81*	
		For High Strength Low Alloy A588 Steel, Add	*17.35*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.05*	
		For Skewed Or Sloped Connections, Add	*10.41*	
05 12 23 00-0313	LF	W14 x 99 A992/A36 Structural Beam Or Girder	206.25	37.84
		For Hot Dip Galvanizing, Add	*46.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.56*	
		For High Strength Low Alloy A588 Steel, Add	*41.25*	
		For Each Additional Top Copes >2, Add	*1.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-66.14*	
		For Skewed Or Sloped Connections, Add	*24.75*	
05 12 23 00-0314	LF	W14 x 90 A992/A36 Structural Beam Or Girder	191.78	37.17
		For Hot Dip Galvanizing, Add	*42.21*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.26*	
		For High Strength Low Alloy A588 Steel, Add	*38.36*	
		For Each Additional Top Copes >2, Add	*1.52*	
		For Structural Tees, WT, MT Or ST, Deduct	*-61.17*	
		For Skewed Or Sloped Connections, Add	*23.01*	
05 12 23 00-0315	LF	W14 x 82 A992/A36 Structural Beam Or Girder	178.88	36.78
		For Hot Dip Galvanizing, Add	*38.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.10*	
		For High Strength Low Alloy A588 Steel, Add	*35.78*	
		For Each Additional Top Copes >2, Add	*1.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-56.73*	
		For Skewed Or Sloped Connections, Add	*21.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0316	LF	W14 x 74 A992/A36 Structural Beam Or Girder	165.99	36.25
		For Hot Dip Galvanizing, Add	*35.34*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.94*	
		For High Strength Low Alloy A588 Steel, Add	*33.20*	
		For Each Additional Top Copes >2, Add	*1.27*	
		For Structural Tees, WT, MT Or ST, Deduct	*-52.30*	
		For Skewed Or Sloped Connections, Add	*19.92*	
05 12 23 00-0317	LF	W14 x 68 A992/A36 Structural Beam Or Girder	156.38	35.85
		For Hot Dip Galvanizing, Add	*32.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.07*	
		For High Strength Low Alloy A588 Steel, Add	*31.28*	
		For Each Additional Top Copes >2, Add	*1.18*	
		For Structural Tees, WT, MT Or ST, Deduct	*-49.00*	
		For Skewed Or Sloped Connections, Add	*18.77*	
05 12 23 00-0318	LF	W14 x 61 A992/A36 Structural Beam Or Girder	145.20	35.46
		For Hot Dip Galvanizing, Add	*29.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.07*	
		For High Strength Low Alloy A588 Steel, Add	*29.04*	
		For Each Additional Top Copes >2, Add	*1.07*	
		For Structural Tees, WT, MT Or ST, Deduct	*-45.14*	
		For Skewed Or Sloped Connections, Add	*17.42*	
05 12 23 00-0319	LF	W14 x 53 A992/A36 Structural Beam Or Girder	132.46	34.92
		For Hot Dip Galvanizing, Add	*26.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.92*	
		For High Strength Low Alloy A588 Steel, Add	*26.49*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.76*	
		For Skewed Or Sloped Connections, Add	*15.90*	
05 12 23 00-0320	LF	W14 x 48 A992/A36 Structural Beam Or Girder	124.28	34.53
		For Hot Dip Galvanizing, Add	*24.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.19*	
		For High Strength Low Alloy A588 Steel, Add	*24.86*	
		For Each Additional Top Copes >2, Add	*0.87*	
		For Structural Tees, WT, MT Or ST, Deduct	*-37.96*	
		For Skewed Or Sloped Connections, Add	*14.91*	
05 12 23 00-0321	LF	W14 x 43 A992/A36 Structural Beam Or Girder	116.24	34.40
		For Hot Dip Galvanizing, Add	*22.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.46*	
		For High Strength Low Alloy A588 Steel, Add	*23.25*	
		For Each Additional Top Copes >2, Add	*0.80*	
		For Structural Tees, WT, MT Or ST, Deduct	*-35.19*	
		For Skewed Or Sloped Connections, Add	*13.95*	
05 12 23 00-0322	LF	W14 x 38 A992/A36 Structural Beam Or Girder	108.23	34.14
		For Hot Dip Galvanizing, Add	*19.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.74*	
		For High Strength Low Alloy A588 Steel, Add	*21.65*	
		For Each Additional Top Copes >2, Add	*0.72*	
		For Structural Tees, WT, MT Or ST, Deduct	*-32.44*	
		For Skewed Or Sloped Connections, Add	*12.99*	
05 12 23 00-0323	LF	W14 x 34 A992/A36 Structural Beam Or Girder	101.77	33.73
		For Hot Dip Galvanizing, Add	*18.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.16*	
		For High Strength Low Alloy A588 Steel, Add	*20.35*	
		For Each Additional Top Copes >2, Add	*0.66*	
		For Structural Tees, WT, MT Or ST, Deduct	*-30.22*	
		For Skewed Or Sloped Connections, Add	*12.21*	
05 12 23 00-0324	LF	W14 x 30 A992/A36 Structural Beam Or Girder	95.32	33.60
		For Hot Dip Galvanizing, Add	*16.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.58*	
		For High Strength Low Alloy A588 Steel, Add	*19.06*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.00*	
		For Skewed Or Sloped Connections, Add	*11.44*	
05 12 23 00-0325	LF	W14 x 26 A992/A36 Structural Beam Or Girder	88.87	33.21
		For Hot Dip Galvanizing, Add	*14.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.00*	
		For High Strength Low Alloy A588 Steel, Add	*17.77*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-25.79*	
		For Skewed Or Sloped Connections, Add	*10.66*	
05 12 23 00-0326	LF	W14 x 22 A992/A36 Structural Beam Or Girder	82.60	33.08
		For Hot Dip Galvanizing, Add	*13.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.43*	
		For High Strength Low Alloy A588 Steel, Add	*16.52*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.63*	
		For Skewed Or Sloped Connections, Add	*9.91*	
05 12 23 00-0327	LF	W12 x 87 A992/A36 Structural Beam Or Girder	187.07	37.04
		For Hot Dip Galvanizing, Add	*40.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.84*	
		For High Strength Low Alloy A588 Steel, Add	*37.41*	
		For Each Additional Top Copes >2, Add	*1.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-59.54*	
		For Skewed Or Sloped Connections, Add	*22.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0328	LF	W12 x 79 A992/A36 Structural Beam Or Girder	174.15	36.52
		For Hot Dip Galvanizing, Add	*37.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.67*	
		For High Strength Low Alloy A588 Steel, Add	*34.83*	
		For Each Additional Top Copes >2, Add	*1.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-55.10*	
		For Skewed Or Sloped Connections, Add	*20.90*	
05 12 23 00-0329	LF	W12 x 72 A992/A36 Structural Beam Or Girder	162.84	36.11
		For Hot Dip Galvanizing, Add	*34.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.66*	
		For High Strength Low Alloy A588 Steel, Add	*32.57*	
		For Each Additional Top Copes >2, Add	*1.24*	
		For Structural Tees, WT, MT Or ST, Deduct	*-51.22*	
		For Skewed Or Sloped Connections, Add	*19.54*	
05 12 23 00-0330	LF	W12 x 65 A992/A36 Structural Beam Or Girder	151.65	35.72
		For Hot Dip Galvanizing, Add	*31.51*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.65*	
		For High Strength Low Alloy A588 Steel, Add	*30.33*	
		For Each Additional Top Copes >2, Add	*1.14*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.36*	
		For Skewed Or Sloped Connections, Add	*18.20*	
05 12 23 00-0331	LF	W12 x 58 A992/A36 Structural Beam Or Girder	140.34	35.20
		For Hot Dip Galvanizing, Add	*28.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.63*	
		For High Strength Low Alloy A588 Steel, Add	*28.07*	
		For Each Additional Top Copes >2, Add	*1.03*	
		For Structural Tees, WT, MT Or ST, Deduct	*-43.48*	
		For Skewed Or Sloped Connections, Add	*16.84*	
05 12 23 00-0332	LF	W12 x 53 A992/A36 Structural Beam Or Girder	132.46	34.92
		For Hot Dip Galvanizing, Add	*26.40*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.92*	
		For High Strength Low Alloy A588 Steel, Add	*26.49*	
		For Each Additional Top Copes >2, Add	*0.95*	
		For Structural Tees, WT, MT Or ST, Deduct	*-40.76*	
		For Skewed Or Sloped Connections, Add	*15.90*	
05 12 23 00-0333	LF	W12 x 50 A992/A36 Structural Beam Or Girder	127.42	34.79
		For Hot Dip Galvanizing, Add	*25.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.47*	
		For High Strength Low Alloy A588 Steel, Add	*25.48*	
		For Each Additional Top Copes >2, Add	*0.90*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.04*	
		For Skewed Or Sloped Connections, Add	*15.29*	
05 12 23 00-0334	LF	W12 x 45 A992/A36 Structural Beam Or Girder	119.55	34.53
		For Hot Dip Galvanizing, Add	*22.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.76*	
		For High Strength Low Alloy A588 Steel, Add	*23.91*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.33*	
		For Skewed Or Sloped Connections, Add	*14.35*	
05 12 23 00-0335	LF	W12 x 40 A992/A36 Structural Beam Or Girder	102.37	25.67
		For Hot Dip Galvanizing, Add	*20.81*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.21*	
		For High Strength Low Alloy A588 Steel, Add	*20.47*	
		For Each Additional Top Copes >2, Add	*0.75*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.72*	
		For Skewed Or Sloped Connections, Add	*12.28*	
05 12 23 00-0336	LF	W12 x 35 A992/A36 Structural Beam Or Girder	94.51	25.54
		For Hot Dip Galvanizing, Add	*18.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.51*	
		For High Strength Low Alloy A588 Steel, Add	*18.90*	
		For Each Additional Top Copes >2, Add	*0.67*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.01*	
		For Skewed Or Sloped Connections, Add	*11.34*	
05 12 23 00-0337	LF	W12 x 30 A992/A36 Structural Beam Or Girder	86.33	25.13
		For Hot Dip Galvanizing, Add	*16.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.77*	
		For High Strength Low Alloy A588 Steel, Add	*17.27*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.21*	
		For Skewed Or Sloped Connections, Add	*10.36*	
05 12 23 00-0338	LF	W12 x 26 A992/A36 Structural Beam Or Girder	79.87	24.87
		For Hot Dip Galvanizing, Add	*14.82*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.19*	
		For High Strength Low Alloy A588 Steel, Add	*15.97*	
		For Each Additional Top Copes >2, Add	*0.53*	
		For Structural Tees, WT, MT Or ST, Deduct	*-23.99*	
		For Skewed Or Sloped Connections, Add	*9.58*	
05 12 23 00-0339	LF	W12 x 22 A992/A36 Structural Beam Or Girder	73.59	24.61
		For Hot Dip Galvanizing, Add	*13.15*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.62*	
		For High Strength Low Alloy A588 Steel, Add	*14.72*	
		For Each Additional Top Copes >2, Add	*0.47*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.83*	
		For Skewed Or Sloped Connections, Add	*8.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0340	LF	W12 x 19 A992/A36 Structural Beam Or Girder	68.68	24.48
		For Hot Dip Galvanizing, Add	*11.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.18*	
		For High Strength Low Alloy A588 Steel, Add	*13.74*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.13*	
		For Skewed Or Sloped Connections, Add	*8.24*	
05 12 23 00-0341	LF	W12 x 16 A992/A36 Structural Beam Or Girder	63.83	24.08
		For Hot Dip Galvanizing, Add	*10.55*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.74*	
		For High Strength Low Alloy A588 Steel, Add	*12.77*	
		For Each Additional Top Copes >2, Add	*0.38*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.47*	
		For Skewed Or Sloped Connections, Add	*7.66*	
05 12 23 00-0342	LF	W12 x 14 A992/A36 Structural Beam Or Girder	60.69	24.08
		For Hot Dip Galvanizing, Add	*9.72*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.46*	
		For High Strength Low Alloy A588 Steel, Add	*12.14*	
		For Each Additional Top Copes >2, Add	*0.35*	
		For Structural Tees, WT, MT Or ST, Deduct	*-17.39*	
		For Skewed Or Sloped Connections, Add	*7.28*	
05 12 23 00-0343	LF	W10 x 68 A992/A36 Structural Beam Or Girder	147.87	27.65
		For Hot Dip Galvanizing, Add	*32.88*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.31*	
		For High Strength Low Alloy A588 Steel, Add	*29.57*	
		For Each Additional Top Copes >2, Add	*1.19*	
		For Structural Tees, WT, MT Or ST, Deduct	*-47.35*	
		For Skewed Or Sloped Connections, Add	*17.74*	
05 12 23 00-0344	LF	W10 x 60 A992/A36 Structural Beam Or Girder	135.14	27.12
		For Hot Dip Galvanizing, Add	*29.50*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.16*	
		For High Strength Low Alloy A588 Steel, Add	*27.03*	
		For Each Additional Top Copes >2, Add	*1.06*	
		For Structural Tees, WT, MT Or ST, Deduct	*-42.97*	
		For Skewed Or Sloped Connections, Add	*16.22*	
05 12 23 00-0345	LF	W10 x 54 A992/A36 Structural Beam Or Girder	125.36	26.60
		For Hot Dip Galvanizing, Add	*26.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.28*	
		For High Strength Low Alloy A588 Steel, Add	*25.07*	
		For Each Additional Top Copes >2, Add	*0.97*	
		For Structural Tees, WT, MT Or ST, Deduct	*-39.61*	
		For Skewed Or Sloped Connections, Add	*15.04*	
05 12 23 00-0346	LF	W10 x 49 A992/A36 Structural Beam Or Girder	117.37	26.32
		For Hot Dip Galvanizing, Add	*24.79*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.56*	
		For High Strength Low Alloy A588 Steel, Add	*23.47*	
		For Each Additional Top Copes >2, Add	*0.89*	
		For Structural Tees, WT, MT Or ST, Deduct	*-36.87*	
		For Skewed Or Sloped Connections, Add	*14.08*	
05 12 23 00-0347	LF	W10 x 45 A992/A36 Structural Beam Or Girder	110.92	26.19
		For Hot Dip Galvanizing, Add	*23.07*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.98*	
		For High Strength Low Alloy A588 Steel, Add	*22.18*	
		For Each Additional Top Copes >2, Add	*0.83*	
		For Structural Tees, WT, MT Or ST, Deduct	*-34.65*	
		For Skewed Or Sloped Connections, Add	*13.31*	
05 12 23 00-0348	LF	W10 x 39 A992/A36 Structural Beam Or Girder	101.31	25.67
		For Hot Dip Galvanizing, Add	*20.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.12*	
		For High Strength Low Alloy A588 Steel, Add	*20.26*	
		For Each Additional Top Copes >2, Add	*0.74*	
		For Structural Tees, WT, MT Or ST, Deduct	*-31.35*	
		For Skewed Or Sloped Connections, Add	*12.16*	
05 12 23 00-0349	LF	W10 x 33 A992/A36 Structural Beam Or Girder	91.72	25.27
		For Hot Dip Galvanizing, Add	*17.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.25*	
		For High Strength Low Alloy A588 Steel, Add	*18.34*	
		For Each Additional Top Copes >2, Add	*0.65*	
		For Structural Tees, WT, MT Or ST, Deduct	*-28.05*	
		For Skewed Or Sloped Connections, Add	*11.01*	
05 12 23 00-0350	LF	W10 x 30 A992/A36 Structural Beam Or Girder	86.82	25.13
		For Hot Dip Galvanizing, Add	*16.64*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.81*	
		For High Strength Low Alloy A588 Steel, Add	*17.36*	
		For Each Additional Top Copes >2, Add	*0.60*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.36*	
		For Skewed Or Sloped Connections, Add	*10.42*	
05 12 23 00-0351	LF	W10 x 26 A992/A36 Structural Beam Or Girder	80.54	25.00
		For Hot Dip Galvanizing, Add	*14.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.25*	
		For High Strength Low Alloy A588 Steel, Add	*16.11*	
		For Each Additional Top Copes >2, Add	*0.54*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.20*	
		For Skewed Or Sloped Connections, Add	*9.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0352	LF	W10 x 22 A992/A36 Structural Beam Or Girder	73.94	24.61
		For Hot Dip Galvanizing, Add	*13.25*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.65*	
		For High Strength Low Alloy A588 Steel, Add	*14.79*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.95*	
		For Skewed Or Sloped Connections, Add	*8.87*	
05 12 23 00-0353	LF	W10 x 19 A992/A36 Structural Beam Or Girder	69.22	24.48
		For Hot Dip Galvanizing, Add	*11.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.23*	
		For High Strength Low Alloy A588 Steel, Add	*13.84*	
		For Each Additional Top Copes >2, Add	*0.43*	
		For Structural Tees, WT, MT Or ST, Deduct	*-20.32*	
		For Skewed Or Sloped Connections, Add	*8.31*	
05 12 23 00-0354	LF	W10 x 17 A992/A36 Structural Beam Or Girder	65.90	24.35
		For Hot Dip Galvanizing, Add	*11.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.93*	
		For High Strength Low Alloy A588 Steel, Add	*13.18*	
		For Each Additional Top Copes >2, Add	*0.40*	
		For Structural Tees, WT, MT Or ST, Deduct	*-19.18*	
		For Skewed Or Sloped Connections, Add	*7.91*	
05 12 23 00-0355	LF	W10 x 15 A992/A36 Structural Beam Or Girder	62.76	24.08
		For Hot Dip Galvanizing, Add	*10.26*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.65*	
		For High Strength Low Alloy A588 Steel, Add	*12.55*	
		For Each Additional Top Copes >2, Add	*0.37*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.10*	
		For Skewed Or Sloped Connections, Add	*7.53*	
05 12 23 00-0356	LF	W10 x 12 A992/A36 Structural Beam Or Girder	58.04	24.08
		For Hot Dip Galvanizing, Add	*8.98*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.22*	
		For High Strength Low Alloy A588 Steel, Add	*11.61*	
		For Each Additional Top Copes >2, Add	*0.32*	
		For Structural Tees, WT, MT Or ST, Deduct	*-16.46*	
		For Skewed Or Sloped Connections, Add	*6.96*	
05 12 23 00-0357	LF	W8 x 35 A992/A36 Structural Beam Or Girder	94.86	25.54
		For Hot Dip Galvanizing, Add	*18.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.54*	
		For High Strength Low Alloy A588 Steel, Add	*18.97*	
		For Each Additional Top Copes >2, Add	*0.68*	
		For Structural Tees, WT, MT Or ST, Deduct	*-29.13*	
		For Skewed Or Sloped Connections, Add	*11.38*	
05 12 23 00-0358	LF	W8 x 31 A992/A36 Structural Beam Or Girder	88.41	25.13
		For Hot Dip Galvanizing, Add	*17.08*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.96*	
		For High Strength Low Alloy A588 Steel, Add	*17.68*	
		For Each Additional Top Copes >2, Add	*0.62*	
		For Structural Tees, WT, MT Or ST, Deduct	*-26.91*	
		For Skewed Or Sloped Connections, Add	*10.61*	
05 12 23 00-0359	LF	W8 x 28 A992/A36 Structural Beam Or Girder	82.22	23.68
		For Hot Dip Galvanizing, Add	*15.80*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.40*	
		For High Strength Low Alloy A588 Steel, Add	*16.44*	
		For Each Additional Top Copes >2, Add	*0.57*	
		For Structural Tees, WT, MT Or ST, Deduct	*-24.99*	
		For Skewed Or Sloped Connections, Add	*9.87*	
05 12 23 00-0360	LF	W8 x 24 A992/A36 Structural Beam Or Girder	74.99	22.23
		For Hot Dip Galvanizing, Add	*14.24*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.75*	
		For High Strength Low Alloy A588 Steel, Add	*15.00*	
		For Each Additional Top Copes >2, Add	*0.51*	
		For Structural Tees, WT, MT Or ST, Deduct	*-22.69*	
		For Skewed Or Sloped Connections, Add	*9.00*	
05 12 23 00-0361	LF	W8 x 21 A992/A36 Structural Beam Or Girder	69.78	20.64
		For Hot Dip Galvanizing, Add	*13.23*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.28*	
		For High Strength Low Alloy A588 Steel, Add	*13.96*	
		For Each Additional Top Copes >2, Add	*0.48*	
		For Structural Tees, WT, MT Or ST, Deduct	*-21.11*	
		For Skewed Or Sloped Connections, Add	*8.37*	
05 12 23 00-0362	LF	W8 x 18 A992/A36 Structural Beam Or Girder	61.12	19.19
		For Hot Dip Galvanizing, Add	*11.27*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.50*	
		For High Strength Low Alloy A588 Steel, Add	*12.22*	
		For Each Additional Top Copes >2, Add	*0.41*	
		For Structural Tees, WT, MT Or ST, Deduct	*-18.32*	
		For Skewed Or Sloped Connections, Add	*7.33*	
05 12 23 00-0363	LF	W8 x 10 A992/A36 Structural Beam Or Girder	36.23	13.76
		For Hot Dip Galvanizing, Add	*6.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.26*	
		For High Strength Low Alloy A588 Steel, Add	*7.25*	
		For Each Additional Top Copes >2, Add	*0.22*	
		For Structural Tees, WT, MT Or ST, Deduct	*-10.50*	
		For Skewed Or Sloped Connections, Add	*4.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0364	LF	W6 x 9 A992/A36 Structural Beam Or Girder	33.31	11.24
		For Hot Dip Galvanizing, Add	*5.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.00*	
		For High Strength Low Alloy A588 Steel, Add	*6.66*	
		For Each Additional Top Copes >2, Add	*0.21*	
		For Structural Tees, WT, MT Or ST, Deduct	*-9.87*	
		For Skewed Or Sloped Connections, Add	*4.00*	
05 12 23 00-0365		**A992/A36 Structural Steel, M Shapes** *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0366	LF	M14 x 18 A992/A36 Structural Steel	63.30	17.60
		For Hot Dip Galvanizing, Add	*12.36*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.70*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.66*	
05 12 23 00-0367	LF	M12 x 11.8 A992/A36 Structural Steel	45.80	15.57
		For Hot Dip Galvanizing, Add	*8.10*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.16*	
05 12 23 00-0368	LF	M10 x 9 A992/A36 Structural Steel	35.59	12.50
		For Hot Dip Galvanizing, Add	*6.18*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.20*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*7.12*	
05 12 23 00-0369	LF	M8 x 6.5 A992/A36 Structural Steel	25.70	9.02
		For Hot Dip Galvanizing, Add	*4.46*	
		For High Strength Low Alloy A572-50 Steel, Add	*2.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*5.14*	
05 12 23 00-0370	LF	M6 x 20 A992/A36 Structural Steel	71.98	21.30
		For Hot Dip Galvanizing, Add	*13.73*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.48*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.40*	
05 12 23 00-0371	LF	M6 x 4.4 A992/A36 Structural Steel	17.39	6.10
		For Hot Dip Galvanizing, Add	*3.02*	
		For High Strength Low Alloy A572-50 Steel, Add	*1.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*3.48*	
05 12 23 00-0372	LF	M5 x 18.9 A992/A36 Structural Steel	69.43	21.30
		For Hot Dip Galvanizing, Add	*12.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.89*	
05 12 23 00-0373	LF	M4 x 13 A992/A36 Structural Steel	57.43	20.90
		For Hot Dip Galvanizing, Add	*9.77*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.49*	
05 12 23 00-0374		**A992/A36 Structural Steel, S Shapes** *(05 12 23 00-0147)*		
		Note: Includes material delivery and erection.		
05 12 23 00-0375	LF	S24 x 121 A992/A36 Structural Steel	378.67	89.16
		For Hot Dip Galvanizing, Add	*78.70*	
		For High Strength Low Alloy A572-50 Steel, Add	*34.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*75.73*	
05 12 23 00-0376	LF	S24 x 106 A992/A36 Structural Steel	336.11	82.22
		For Hot Dip Galvanizing, Add	*68.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*30.25*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*67.22*	
05 12 23 00-0377	LF	S24 x 100 A992/A36 Structural Steel	321.43	81.64
		For Hot Dip Galvanizing, Add	*65.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*28.93*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*64.29*	
05 12 23 00-0378	LF	S24 x 90 A992/A36 Structural Steel	293.42	77.34
		For Hot Dip Galvanizing, Add	*58.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*26.41*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*58.68*	
05 12 23 00-0379	LF	S24 x 80 A992/A36 Structural Steel	264.66	72.38
		For Hot Dip Galvanizing, Add	*52.03*	
		For High Strength Low Alloy A572-50 Steel, Add	*23.82*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*52.93*	
05 12 23 00-0380	LF	S20 x 96 A992/A36 Structural Steel	308.58	78.38
		For Hot Dip Galvanizing, Add	*62.44*	
		For High Strength Low Alloy A572-50 Steel, Add	*27.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*61.72*	
05 12 23 00-0381	LF	S20 x 86 A992/A36 Structural Steel	280.37	73.91
		For Hot Dip Galvanizing, Add	*55.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*25.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*56.07*	
05 12 23 00-0382	LF	S20 x 75 A992/A36 Structural Steel	248.12	67.86
		For Hot Dip Galvanizing, Add	*48.78*	
		For High Strength Low Alloy A572-50 Steel, Add	*22.33*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*49.62*	
05 12 23 00-0383	LF	S20 x 66 A992/A36 Structural Steel	221.69	62.84
		For Hot Dip Galvanizing, Add	*42.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*19.95*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*44.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0384	LF	S18 x 70 A992/A36 Structural Steel	235.14	66.66
		For Hot Dip Galvanizing, Add	*45.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*21.16*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*47.03*	
05 12 23 00-0385	LF	S18 x 54.7 A992/A36 Structural Steel	186.67	54.82
		For Hot Dip Galvanizing, Add	*35.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.80*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*37.33*	
05 12 23 00-0386	LF	S15 x 50 A992/A36 Structural Steel	173.43	52.76
		For Hot Dip Galvanizing, Add	*32.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.61*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.69*	
05 12 23 00-0387	LF	S15 x 42.9 A992/A36 Structural Steel	151.35	47.64
		For Hot Dip Galvanizing, Add	*27.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.62*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*30.27*	
05 12 23 00-0388	LF	S12 x 50 A992/A36 Structural Steel	170.63	50.12
		For Hot Dip Galvanizing, Add	*32.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*34.13*	
05 12 23 00-0389	LF	S12 x 40.8 A992/A36 Structural Steel	141.52	43.05
		For Hot Dip Galvanizing, Add	*26.54*	
		For High Strength Low Alloy A572-50 Steel, Add	*12.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*28.30*	
05 12 23 00-0390	LF	S12 x 35 A992/A36 Structural Steel	123.47	38.87
		For Hot Dip Galvanizing, Add	*22.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.11*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.69*	
05 12 23 00-0391	LF	S12 x 31.8 A992/A36 Structural Steel	114.17	37.18
		For Hot Dip Galvanizing, Add	*20.68*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.28*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*22.83*	
05 12 23 00-0392	LF	S10 x 35 A992/A36 Structural Steel	125.66	40.93
		For Hot Dip Galvanizing, Add	*22.76*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.31*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.13*	
05 12 23 00-0393	LF	S10 x 25.4 A992/A36 Structural Steel	92.86	31.26
		For Hot Dip Galvanizing, Add	*16.52*	
		For High Strength Low Alloy A572-50 Steel, Add	*8.36*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*18.57*	
05 12 23 00-0394	LF	S8 x 23 A992/A36 Structural Steel	84.09	28.30
		For Hot Dip Galvanizing, Add	*14.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.57*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*16.82*	
05 12 23 00-0395	LF	S8 x 18.4 A992/A36 Structural Steel	68.55	23.84
		For Hot Dip Galvanizing, Add	*11.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.17*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*13.71*	
05 12 23 00-0396	LF	S7 x 20 A992/A36 Structural Steel	74.50	25.91
		For Hot Dip Galvanizing, Add	*13.01*	
		For High Strength Low Alloy A572-50 Steel, Add	*6.71*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*14.90*	
05 12 23 00-0397	LF	S7 x 15.3 A992/A36 Structural Steel	58.11	20.87
		For Hot Dip Galvanizing, Add	*9.95*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.23*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.62*	
05 12 23 00-0398	LF	S6 x 17.25 A992/A36 Structural Steel	64.25	22.34
		For Hot Dip Galvanizing, Add	*11.22*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.78*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*12.85*	
05 12 23 00-0399	LF	S6 x 12.5 A992/A36 Structural Steel	55.26	20.64
		For Hot Dip Galvanizing, Add	*9.20*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.97*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.05*	
05 12 23 00-0400	LF	S5 x 14.75 A992/A36 Structural Steel	58.72	21.03
		For Hot Dip Galvanizing, Add	*10.09*	
		For High Strength Low Alloy A572-50 Steel, Add	*5.28*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*11.74*	
05 12 23 00-0401	LF	S5 x 10 A992/A36 Structural Steel	50.17	20.51
		For Hot Dip Galvanizing, Add	*7.83*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.52*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*10.03*	
05 12 23 00-0402	LF	S4 x 9.5 A992/A36 Structural Steel	48.87	20.51
		For Hot Dip Galvanizing, Add	*7.47*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.40*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.77*	
05 12 23 00-0403	LF	S4 x 7.7 A992/A36 Structural Steel	45.83	20.51
		For Hot Dip Galvanizing, Add	*6.66*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.12*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.17*	
05 12 23 00-0404	LF	S3 x 7.5 A992/A36 Structural Steel	45.54	20.51
		For Hot Dip Galvanizing, Add	*6.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*4.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*9.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0405	LF	S3 x 5.7 A992/A36 Structural Steel	41.92	20.38
		For Hot Dip Galvanizing, Add	*5.61*	
		For High Strength Low Alloy A572-50 Steel, Add	*3.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*8.38*	

05 12 23 00-0406 A992/A36 Structural Steel, HP Shapes *(05 12 23 00-0147)*

Note: Includes material delivery and erection.

05 12 23 00-0407	LF	HP14 x 117 A992/A36 Structural Steel	229.59	26.42
		For Hot Dip Galvanizing, Add	*55.90*	
		For High Strength Low Alloy A572-50 Steel, Add	*20.66*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*45.92*	
05 12 23 00-0408	LF	HP14 x 102 A992/A36 Structural Steel	201.07	24.58
		For Hot Dip Galvanizing, Add	*48.53*	
		For High Strength Low Alloy A572-50 Steel, Add	*18.10*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*40.21*	
05 12 23 00-0409	LF	HP14 x 89 A992/A36 Structural Steel	179.30	23.05
		For Hot Dip Galvanizing, Add	*42.93*	
		For High Strength Low Alloy A572-50 Steel, Add	*16.14*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.86*	
05 12 23 00-0410	LF	HP14 x 73 A992/A36 Structural Steel	148.78	21.73
		For Hot Dip Galvanizing, Add	*34.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.76*	
05 12 23 00-0411	LF	HP13 x 100 A992/A36 Structural Steel	197.14	24.10
		For Hot Dip Galvanizing, Add	*47.58*	
		For High Strength Low Alloy A572-50 Steel, Add	*17.74*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*39.43*	
05 12 23 00-0412	LF	HP13 x 87 A992/A36 Structural Steel	175.27	22.54
		For Hot Dip Galvanizing, Add	*41.97*	
		For High Strength Low Alloy A572-50 Steel, Add	*15.77*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*35.05*	
05 12 23 00-0413	LF	HP13 x 73 A992/A36 Structural Steel	148.78	21.73
		For Hot Dip Galvanizing, Add	*34.86*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.39*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.76*	
05 12 23 00-0414	LF	HP13 x 60 A992/A36 Structural Steel	126.37	20.83
		For Hot Dip Galvanizing, Add	*28.91*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.27*	
05 12 23 00-0415	LF	HP12 x 84 A992/A36 Structural Steel	165.68	23.77
		For Hot Dip Galvanizing, Add	*38.94*	
		For High Strength Low Alloy A572-50 Steel, Add	*14.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*33.14*	
05 12 23 00-0416	LF	HP12 x 74 A992/A36 Structural Steel	146.55	22.42
		For Hot Dip Galvanizing, Add	*34.04*	
		For High Strength Low Alloy A572-50 Steel, Add	*13.19*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*29.31*	
05 12 23 00-0417	LF	HP12 x 63 A992/A36 Structural Steel	126.33	20.61
		For Hot Dip Galvanizing, Add	*28.96*	
		For High Strength Low Alloy A572-50 Steel, Add	*11.37*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*25.27*	
05 12 23 00-0418	LF	HP12 x 53 A992/A36 Structural Steel	115.92	19.60
		For Hot Dip Galvanizing, Add	*26.37*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.43*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*23.18*	
05 12 23 00-0419	LF	HP10 x 57 A992/A36 Structural Steel	122.05	20.11
		For Hot Dip Galvanizing, Add	*27.92*	
		For High Strength Low Alloy A572-50 Steel, Add	*10.98*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*24.41*	
05 12 23 00-0420	LF	HP10 x 42 A992/A36 Structural Steel	100.88	18.85
		For Hot Dip Galvanizing, Add	*22.42*	
		For High Strength Low Alloy A572-50 Steel, Add	*9.08*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*20.18*	
05 12 23 00-0421	LF	HP8 x 36 A992/A36 Structural Steel	87.89	17.77
		For Hot Dip Galvanizing, Add	*19.13*	
		For High Strength Low Alloy A572-50 Steel, Add	*7.91*	
		For High Strength Low Alloy A588 Grade B Steel, Add	*17.58*	

05 12 23 00-0422 Lightweight Framing Steel Shapes *(05 12 23)*

Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.

05 12 23 00-0423 Angle Iron - L *(05 12 23 00-0422)*

05 12 23 00-0424 1/8" Thick *(05 12 23 00-0423)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0425	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	2.93	1.80
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000, Deduct	*-0.53*	
		For 304 Stainless Steel, Add	*1.48*	
		For 316 Stainless Steel, Add	*1.66*	
		For Aluminum, Add	*0.09*	
		For Galvanized Steel, Add	*0.32*	
		For High Strength Steel (HSS), Add	*0.59*	
05 12 23 00-0426	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron	3.39	2.04
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.31*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*1.88*	
		For 316 Stainless Steel, Add	*2.11*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.41*	
		For High Strength Steel (HSS), Add	*0.68*	
05 12 23 00-0427	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	3.82	2.26
		For >100 To 250, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.34*	
		For >500 To 1,000, Deduct	*-0.51*	
		For >1,000, Deduct	*-0.68*	
		For 304 Stainless Steel, Add	*2.31*	
		For 316 Stainless Steel, Add	*2.59*	
		For Aluminum, Add	*0.15*	
		For Galvanized Steel, Add	*0.50*	
		For High Strength Steel (HSS), Add	*0.76*	
05 12 23 00-0428	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron	4.28	2.51
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.76*	
		For 304 Stainless Steel, Add	*2.68*	
		For 316 Stainless Steel, Add	*3.01*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.58*	
		For High Strength Steel (HSS), Add	*0.86*	
05 12 23 00-0429	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron	4.71	2.71
		For >100 To 250, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.62*	
		For >1,000, Deduct	*-0.83*	
		For 304 Stainless Steel, Add	*3.14*	
		For 316 Stainless Steel, Add	*3.52*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.68*	
		For High Strength Steel (HSS), Add	*0.94*	
05 12 23 00-0430	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*3.96*	
		For 316 Stainless Steel, Add	*4.45*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.86*	
		For High Strength Steel (HSS), Add	*1.13*	
05 12 23 00-0431	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron	5.64	3.18
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*3.96*	
		For 316 Stainless Steel, Add	*4.45*	
		For Aluminum, Add	*0.25*	
		For Galvanized Steel, Add	*0.86*	
		For High Strength Steel (HSS), Add	*1.13*	
05 12 23 00-0432	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.24	3.42
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000, Deduct	*-1.08*	
		For 304 Stainless Steel, Add	*4.79*	
		For 316 Stainless Steel, Add	*5.38*	
		For Aluminum, Add	*0.30*	
		For Galvanized Steel, Add	*1.04*	
		For High Strength Steel (HSS), Add	*1.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0433	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.14*	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.34*	
05 12 23 00-0434	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	6.71	3.53
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-0.86*	
		For >1,000, Deduct	*-1.14*	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.34*	
05 12 23 00-0435	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	7.15	3.66
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.60*	
		For >500 To 1,000, Deduct	*-0.90*	
		For >1,000, Deduct	*-1.20*	
		For 304 Stainless Steel, Add	*6.50*	
		For 316 Stainless Steel, Add	*7.30*	
		For Aluminum, Add	*0.41*	
		For Galvanized Steel, Add	*1.41*	
		For High Strength Steel (HSS), Add	*1.43*	

05 12 23 00-0436 3/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0437	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	5.42	2.86
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.92*	
		For 304 Stainless Steel, Add	*4.56*	
		For 316 Stainless Steel, Add	*5.12*	
		For Aluminum, Add	*0.29*	
		For Galvanized Steel, Add	*0.99*	
		For High Strength Steel (HSS), Add	*1.08*	
05 12 23 00-0438	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0439	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	6.53	3.36
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.83*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.31*	
05 12 23 00-0440	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.29	3.61
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.21*	
		For 304 Stainless Steel, Add	*7.07*	
		For 316 Stainless Steel, Add	*7.94*	
		For Aluminum, Add	*0.45*	
		For Galvanized Steel, Add	*1.54*	
		For High Strength Steel (HSS), Add	*1.46*	
05 12 23 00-0441	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*8.35*	
		For 316 Stainless Steel, Add	*9.38*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.82*	
		For High Strength Steel (HSS), Add	*1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0442	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	7.92	3.74
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*8.35*	
		For 316 Stainless Steel, Add	*9.38*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.82*	
		For High Strength Steel (HSS), Add	*1.58*	
05 12 23 00-0443	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	8.53	3.87
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.68*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.37*	
		For 304 Stainless Steel, Add	*9.60*	
		For 316 Stainless Steel, Add	*10.78*	
		For Aluminum, Add	*0.61*	
		For Galvanized Steel, Add	*2.09*	
		For High Strength Steel (HSS), Add	*1.71*	
05 12 23 00-0444	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	9.33	4.14
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.74*	
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000, Deduct	*-1.49*	
		For 304 Stainless Steel, Add	*10.83*	
		For 316 Stainless Steel, Add	*12.16*	
		For Aluminum, Add	*0.68*	
		For Galvanized Steel, Add	*2.36*	
		For High Strength Steel (HSS), Add	*1.87*	
05 12 23 00-0445	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	10.18	4.44
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*12.14*	
		For 316 Stainless Steel, Add	*13.63*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.64*	
		For High Strength Steel (HSS), Add	*2.04*	
05 12 23 00-0446	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	10.17	4.44
		For >100 To 250, Deduct	*-0.55*	
		For >250 To 500, Deduct	*-0.80*	
		For >500 To 1,000, Deduct	*-1.21*	
		For >1,000, Deduct	*-1.61*	
		For 304 Stainless Steel, Add	*12.11*	
		For 316 Stainless Steel, Add	*13.60*	
		For Aluminum, Add	*0.77*	
		For Galvanized Steel, Add	*2.64*	
		For High Strength Steel (HSS), Add	*2.03*	
05 12 23 00-0447	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	11.23	4.90
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.33*	
		For >1,000, Deduct	*-1.78*	
		For 304 Stainless Steel, Add	*13.37*	
		For 316 Stainless Steel, Add	*15.01*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.91*	
		For High Strength Steel (HSS), Add	*2.25*	
05 12 23 00-0448	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	12.28	5.37
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-1.94*	
		For 304 Stainless Steel, Add	*14.62*	
		For 316 Stainless Steel, Add	*16.42*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.18*	
		For High Strength Steel (HSS), Add	*2.46*	

05 12 23 00-0449 1/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0450	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	6.46	3.31
		For >100 To 250, Deduct	*-0.38*	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.09*	
		For 304 Stainless Steel, Add	*5.81*	
		For 316 Stainless Steel, Add	*6.53*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.26*	
		For High Strength Steel (HSS), Add	*1.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0451	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	7.37	3.55
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.21*	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
		For High Strength Steel (HSS), Add	*1.47*	
05 12 23 00-0452	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	7.36	3.55
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.61*	
		For >500 To 1,000, Deduct	*-0.91*	
		For >1,000, Deduct	*-1.21*	
		For 304 Stainless Steel, Add	*7.47*	
		For 316 Stainless Steel, Add	*8.38*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.62*	
		For High Strength Steel (HSS), Add	*1.47*	
05 12 23 00-0453	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	8.28	3.81
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000, Deduct	*-1.34*	
		For 304 Stainless Steel, Add	*9.12*	
		For 316 Stainless Steel, Add	*10.24*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*1.98*	
		For High Strength Steel (HSS), Add	*1.66*	
05 12 23 00-0454	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	9.09	3.93
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.43*	
		For 304 Stainless Steel, Add	*10.94*	
		For 316 Stainless Steel, Add	*12.29*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.38*	
		For High Strength Steel (HSS), Add	*1.82*	
05 12 23 00-0455	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	8.06	3.69
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.64*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*9.21*	
		For 316 Stainless Steel, Add	*10.34*	
		For Aluminum, Add	*0.58*	
		For Galvanized Steel, Add	*2.00*	
		For High Strength Steel (HSS), Add	*1.61*	
05 12 23 00-0456	LF	2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	9.07	3.93
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.07*	
		For >1,000, Deduct	*-1.43*	
		For 304 Stainless Steel, Add	*10.89*	
		For 316 Stainless Steel, Add	*12.22*	
		For Aluminum, Add	*0.69*	
		For Galvanized Steel, Add	*2.37*	
		For High Strength Steel (HSS), Add	*1.81*	
05 12 23 00-0457	LF	2" x 2" x 1/4" Thick, Plain Steel Angle Iron	9.81	4.06
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.76*	
		For >500 To 1,000, Deduct	*-1.14*	
		For >1,000, Deduct	*-1.52*	
		For 304 Stainless Steel, Add	*12.54*	
		For 316 Stainless Steel, Add	*14.08*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.73*	
		For High Strength Steel (HSS), Add	*1.96*	
05 12 23 00-0458	LF	2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron	11.01	4.50
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-0.85*	
		For >500 To 1,000, Deduct	*-1.28*	
		For >1,000, Deduct	*-1.70*	
		For 304 Stainless Steel, Add	*14.28*	
		For 316 Stainless Steel, Add	*16.03*	
		For Aluminum, Add	*0.90*	
		For Galvanized Steel, Add	*3.11*	
		For High Strength Steel (HSS), Add	*2.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0459	LF	2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	12.24	4.93
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.88*	
		For 304 Stainless Steel, Add	*16.13*	
		For 316 Stainless Steel, Add	*18.11*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.51*	
		For High Strength Steel (HSS), Add	*2.45*	
05 12 23 00-0460	LF	3" x 2" x 1/4" Thick, Plain Steel Angle Iron	12.24	4.93
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-0.94*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000, Deduct	*-1.88*	
		For 304 Stainless Steel, Add	*16.13*	
		For 316 Stainless Steel, Add	*18.11*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.51*	
		For High Strength Steel (HSS), Add	*2.45*	
05 12 23 00-0461	LF	3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron	13.51	5.47
		For >100 To 250, Deduct	*-0.70*	
		For >250 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-1.56*	
		For >1,000, Deduct	*-2.08*	
		For 304 Stainless Steel, Add	*17.73*	
		For 316 Stainless Steel, Add	*19.90*	
		For Aluminum, Add	*1.12*	
		For Galvanized Steel, Add	*3.86*	
		For High Strength Steel (HSS), Add	*2.70*	
05 12 23 00-0462	LF	3" x 3" x 1/4" Thick, Plain Steel Angle Iron	14.78	6.01
		For >100 To 250, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.28*	
		For 304 Stainless Steel, Add	*19.27*	
		For 316 Stainless Steel, Add	*21.63*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.19*	
		For High Strength Steel (HSS), Add	*2.96*	
05 12 23 00-0463	LF	3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron	16.07	6.47
		For >100 To 250, Deduct	*-0.83*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.85*	
		For >1,000, Deduct	*-2.47*	
		For 304 Stainless Steel, Add	*21.23*	
		For 316 Stainless Steel, Add	*23.84*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.62*	
		For High Strength Steel (HSS), Add	*3.21*	
05 12 23 00-0464	LF	3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.02	0.67
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
		For High Strength Steel (HSS), Add	*3.40*	
05 12 23 00-0465	LF	4" x 3" x 1/4" Thick, Plain Steel Angle Iron	17.02	6.76
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*22.86*	
		For 316 Stainless Steel, Add	*25.66*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.97*	
		For High Strength Steel (HSS), Add	*3.40*	
05 12 23 00-0466	LF	4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	17.93	7.04
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-2.73*	
		For 304 Stainless Steel, Add	*24.37*	
		For 316 Stainless Steel, Add	*27.36*	
		For Aluminum, Add	*1.54*	
		For Galvanized Steel, Add	*5.30*	
		For High Strength Steel (HSS), Add	*3.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0467	LF	4" x 4" x 1/4" Thick, Plain Steel Angle Iron	18.91	7.33
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-2.87*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.78*	
05 12 23 00-0468	LF	5" x 3" x 1/4" Thick, Plain Steel Angle Iron	18.91	7.33
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-2.87*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.78*	
05 12 23 00-0469	LF	5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron	19.97	7.73
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
		For High Strength Steel (HSS), Add	*3.99*	

05 12 23 00-0470 5/16" Thick *(05 12 23 00-0423)*

05 12 23 00-0471	LF	2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron	13.19	5.23
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-1.51*	
		For >1,000, Deduct	*-2.02*	
		For 304 Stainless Steel, Add	*17.73*	
		For 316 Stainless Steel, Add	*19.90*	
		For Aluminum, Add	*1.12*	
		For Galvanized Steel, Add	*3.86*	
		For High Strength Steel (HSS), Add	*2.64*	
05 12 23 00-0472	LF	2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	14.30	5.54
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.17*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*2.86*	
05 12 23 00-0473	LF	3" x 2" x 5/16" Thick, Plain Steel Angle Iron	14.30	5.54
		For >100 To 250, Deduct	*-0.73*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000, Deduct	*-2.17*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
		For High Strength Steel (HSS), Add	*2.86*	
05 12 23 00-0474	LF	3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron	15.84	6.07
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-1.80*	
		For >1,000, Deduct	*-2.39*	
		For 304 Stainless Steel, Add	*22.06*	
		For 316 Stainless Steel, Add	*24.77*	
		For Aluminum, Add	*1.39*	
		For Galvanized Steel, Add	*4.80*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0475	LF	3" x 3" x 5/16" Thick, Plain Steel Angle Iron	17.24	6.61
		For >100 To 250, Deduct	*-0.87*	
		For >250 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.60*	
		For 304 Stainless Steel, Add	*24.05*	
		For 316 Stainless Steel, Add	*27.01*	
		For Aluminum, Add	*1.52*	
		For Galvanized Steel, Add	*5.23*	
		For High Strength Steel (HSS), Add	*3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0476	LF	3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron	18.38	6.94
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.07*	
		For >1,000, Deduct	*-2.76*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.68*	
05 12 23 00-0477	LF	3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	19.64	7.28
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*3.93*	
05 12 23 00-0478	LF	4" x 3" x 5/16" Thick, Plain Steel Angle Iron	19.64	7.28
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.20*	
		For >1,000, Deduct	*-2.94*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*3.93*	
05 12 23 00-0479	LF	4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	20.88	7.69
		For >100 To 250, Deduct	*-1.04*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.34*	
		For >1,000, Deduct	*-3.11*	
		For 304 Stainless Steel, Add	*30.27*	
		For 316 Stainless Steel, Add	*33.98*	
		For Aluminum, Add	*1.91*	
		For Galvanized Steel, Add	*6.58*	
		For High Strength Steel (HSS), Add	*4.18*	
05 12 23 00-0480	LF	4" x 4" x 5/16" Thick, Plain Steel Angle Iron	22.07	8.04
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.28*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
		For High Strength Steel (HSS), Add	*4.41*	
05 12 23 00-0481	LF	5" x 3" x 5/16" Thick, Plain Steel Angle Iron	22.07	8.04
		For >100 To 250, Deduct	*-1.09*	
		For >250 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000, Deduct	*-3.28*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
		For High Strength Steel (HSS), Add	*4.41*	
05 12 23 00-0482	LF	5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	23.17	8.38
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-1.72*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000, Deduct	*-3.43*	
		For 304 Stainless Steel, Add	*34.20*	
		For 316 Stainless Steel, Add	*38.40*	
		For Aluminum, Add	*2.16*	
		For Galvanized Steel, Add	*7.44*	
		For High Strength Steel (HSS), Add	*4.63*	
05 12 23 00-0483	LF	5" x 5" x 5/16" Thick, Plain Steel Angle Iron	25.88	8.73
		For >100 To 250, Deduct	*-1.23*	
		For >250 To 500, Deduct	*-1.88*	
		For >500 To 1,000, Deduct	*-2.81*	
		For >1,000, Deduct	*-3.75*	
		For 304 Stainless Steel, Add	*40.58*	
		For 316 Stainless Steel, Add	*45.57*	
		For Aluminum, Add	*2.56*	
		For Galvanized Steel, Add	*8.83*	
		For High Strength Steel (HSS), Add	*5.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0484	LF	6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron	25.65	9.09
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.78*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*5.13*	
05 12 23 00-0485		3/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0486	LF	3" x 2" x 3/8" Thick, Plain Steel Angle Iron	15.87	5.80
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.36*	
		For 304 Stainless Steel, Add	*23.20*	
		For 316 Stainless Steel, Add	*26.05*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.05*	
		For High Strength Steel (HSS), Add	*3.17*	
05 12 23 00-0487	LF	3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron	17.51	6.28
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.29*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.59*	
		For 304 Stainless Steel, Add	*26.02*	
		For 316 Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	
		For High Strength Steel (HSS), Add	*3.50*	
05 12 23 00-0488	LF	3" x 3" x 3/8" Thick, Plain Steel Angle Iron	18.95	6.77
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-2.80*	
		For 304 Stainless Steel, Add	*28.30*	
		For 316 Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
		For High Strength Steel (HSS), Add	*3.79*	
05 12 23 00-0489	LF	3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron	20.19	6.95
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.47*	
		For >500 To 1,000, Deduct	*-2.21*	
		For >1,000, Deduct	*-2.95*	
		For 304 Stainless Steel, Add	*31.15*	
		For 316 Stainless Steel, Add	*34.98*	
		For Aluminum, Add	*1.97*	
		For Galvanized Steel, Add	*6.78*	
		For High Strength Steel (HSS), Add	*4.04*	
05 12 23 00-0490	LF	3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	21.51	7.33
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000, Deduct	*-3.13*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
		For High Strength Steel (HSS), Add	*4.30*	
05 12 23 00-0491	LF	4" x 3" x 3/8" Thick, Plain Steel Angle Iron	21.51	7.33
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.56*	
		For >500 To 1,000, Deduct	*-2.35*	
		For >1,000, Deduct	*-3.13*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
		For High Strength Steel (HSS), Add	*4.30*	
05 12 23 00-0492	LF	4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	23.20	7.99
		For >100 To 250, Deduct	*-1.11*	
		For >250 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000, Deduct	*-3.39*	
		For 304 Stainless Steel, Add	*35.77*	
		For 316 Stainless Steel, Add	*40.16*	
		For Aluminum, Add	*2.26*	
		For Galvanized Steel, Add	*7.78*	
		For High Strength Steel (HSS), Add	*4.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0493	LF	4" x 4" x 3/8" Thick, Plain Steel Angle Iron	24.48	8.22
		For >100 To 250, Deduct	*-1.16*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.54*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*4.90*	
05 12 23 00-0494	LF	5" x 3" x 3/8" Thick, Plain Steel Angle Iron	24.92	8.55
		For >100 To 250, Deduct	*-1.19*	
		For >250 To 500, Deduct	*-1.82*	
		For >500 To 1,000, Deduct	*-2.72*	
		For >1,000, Deduct	*-3.63*	
		For 304 Stainless Steel, Add	*38.53*	
		For 316 Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
		For High Strength Steel (HSS), Add	*4.98*	
05 12 23 00-0495	LF	5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	26.64	9.21
		For >100 To 250, Deduct	*-1.28*	
		For >250 To 500, Deduct	*-1.95*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-3.89*	
		For 304 Stainless Steel, Add	*40.90*	
		For 316 Stainless Steel, Add	*45.92*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.90*	
		For High Strength Steel (HSS), Add	*5.33*	
05 12 23 00-0496	LF	5" x 5" x 3/8" Thick, Plain Steel Angle Iron	31.32	10.74
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.56*	
		For 304 Stainless Steel, Add	*48.48*	
		For 316 Stainless Steel, Add	*54.43*	
		For Aluminum, Add	*3.06*	
		For Galvanized Steel, Add	*10.55*	
		For High Strength Steel (HSS), Add	*6.26*	
05 12 23 00-0497	LF	6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron	29.44	9.98
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.27*	
		For 304 Stainless Steel, Add	*46.00*	
		For 316 Stainless Steel, Add	*51.65*	
		For Aluminum, Add	*2.91*	
		For Galvanized Steel, Add	*10.01*	
		For High Strength Steel (HSS), Add	*5.89*	
05 12 23 00-0498	LF	6" x 4" x 3/8" Thick, Plain Steel Angle Iron	31.32	10.74
		For >100 To 250, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-2.28*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.56*	
		For 304 Stainless Steel, Add	*48.48*	
		For 316 Stainless Steel, Add	*54.43*	
		For Aluminum, Add	*3.06*	
		For Galvanized Steel, Add	*10.55*	
		For High Strength Steel (HSS), Add	*6.26*	
05 12 23 00-0499	LF	6" x 6" x 3/8" Thick, Plain Steel Angle Iron	37.78	12.88
		For >100 To 250, Deduct	*-1.80*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.12*	
		For >1,000, Deduct	*-5.50*	
		For 304 Stainless Steel, Add	*58.74*	
		For 316 Stainless Steel, Add	*65.95*	
		For Aluminum, Add	*3.71*	
		For Galvanized Steel, Add	*12.78*	
		For High Strength Steel (HSS), Add	*7.56*	
05 12 23 00-0500	LF	7" x 4" x 3/8" Thick, Plain Steel Angle Iron	34.55	11.81
		For >100 To 250, Deduct	*-1.65*	
		For >250 To 500, Deduct	*-2.52*	
		For >500 To 1,000, Deduct	*-3.77*	
		For >1,000, Deduct	*-5.03*	
		For 304 Stainless Steel, Add	*53.58*	
		For 316 Stainless Steel, Add	*60.16*	
		For Aluminum, Add	*3.38*	
		For Galvanized Steel, Add	*11.66*	
		For High Strength Steel (HSS), Add	*6.91*	

05 12 23 00-0501 1/2" Thick *(05 12 23 00-0423)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0502	LF	3" x 3" x 1/2" Thick, Plain Steel Angle Iron	22.21	6.91
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.57*	
		For >500 To 1,000, Deduct	*-2.36*	
		For >1,000, Deduct	*-3.14*	
		For 304 Stainless Steel, Add	*37.05*	
		For 316 Stainless Steel, Add	*41.60*	
		For Aluminum, Add	*2.34*	
		For Galvanized Steel, Add	*8.06*	
		For High Strength Steel (HSS), Add	*4.44*	
05 12 23 00-0503	LF	4" x 3" x 1/2" Thick, Plain Steel Angle Iron	26.24	8.17
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.86*	
		For >500 To 1,000, Deduct	*-2.78*	
		For >1,000, Deduct	*-3.71*	
		For 304 Stainless Steel, Add	*43.75*	
		For 316 Stainless Steel, Add	*49.12*	
		For Aluminum, Add	*2.76*	
		For Galvanized Steel, Add	*9.52*	
		For High Strength Steel (HSS), Add	*5.25*	
05 12 23 00-0504	LF	4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	28.12	8.75
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-3.98*	
		For 304 Stainless Steel, Add	*46.91*	
		For 316 Stainless Steel, Add	*52.67*	
		For Aluminum, Add	*2.96*	
		For Galvanized Steel, Add	*10.21*	
		For High Strength Steel (HSS), Add	*5.62*	
05 12 23 00-0505	LF	4" x 4" x 1/2" Thick, Plain Steel Angle Iron	30.25	9.42
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.28*	
		For 304 Stainless Steel, Add	*50.45*	
		For 316 Stainless Steel, Add	*56.64*	
		For Aluminum, Add	*3.19*	
		For Galvanized Steel, Add	*10.97*	
		For High Strength Steel (HSS), Add	*6.05*	
05 12 23 00-0506	LF	5" x 3" x 1/2" Thick, Plain Steel Angle Iron	30.25	9.42
		For >100 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-3.21*	
		For >1,000, Deduct	*-4.28*	
		For 304 Stainless Steel, Add	*50.45*	
		For 316 Stainless Steel, Add	*56.64*	
		For Aluminum, Add	*3.19*	
		For Galvanized Steel, Add	*10.97*	
		For High Strength Steel (HSS), Add	*6.05*	
05 12 23 00-0507	LF	5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron	32.14	10.00
		For >100 To 250, Deduct	*-1.47*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-4.55*	
		For 304 Stainless Steel, Add	*53.61*	
		For 316 Stainless Steel, Add	*60.19*	
		For Aluminum, Add	*3.39*	
		For Galvanized Steel, Add	*11.66*	
		For High Strength Steel (HSS), Add	*6.43*	
05 12 23 00-0508	LF	5" x 5" x 1/2" Thick, Plain Steel Angle Iron	38.28	11.91
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.71*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-5.42*	
		For 304 Stainless Steel, Add	*63.84*	
		For 316 Stainless Steel, Add	*71.68*	
		For Aluminum, Add	*4.03*	
		For Galvanized Steel, Add	*13.89*	
		For High Strength Steel (HSS), Add	*7.66*	
05 12 23 00-0509	LF	6" x 4" x 1/2" Thick, Plain Steel Angle Iron	38.28	11.91
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.71*	
		For >500 To 1,000, Deduct	*-4.06*	
		For >1,000, Deduct	*-5.42*	
		For 304 Stainless Steel, Add	*63.84*	
		For 316 Stainless Steel, Add	*71.68*	
		For Aluminum, Add	*4.03*	
		For Galvanized Steel, Add	*13.89*	
		For High Strength Steel (HSS), Add	*7.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0510	LF	6" x 6" x 1/2" Thick, Plain Steel Angle Iron	46.31	14.41
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.28*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.55*	
		For 304 Stainless Steel, Add	*77.24*	
		For 316 Stainless Steel, Add	*86.72*	
		For Aluminum, Add	*4.88*	
		For Galvanized Steel, Add	*16.80*	
		For High Strength Steel (HSS), Add	*9.26*	
05 12 23 00-0511	LF	7" x 4" x 1/2" Thick, Plain Steel Angle Iron	42.28	13.16
		For >100 To 250, Deduct	*-1.93*	
		For >250 To 500, Deduct	*-2.99*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.98*	
		For 304 Stainless Steel, Add	*70.51*	
		For 316 Stainless Steel, Add	*79.17*	
		For Aluminum, Add	*4.45*	
		For Galvanized Steel, Add	*15.34*	
		For High Strength Steel (HSS), Add	*8.46*	
05 12 23 00-0512	LF	8" x 4" x 1/2" Thick, Plain Steel Angle Iron	46.31	14.41
		For >100 To 250, Deduct	*-2.12*	
		For >250 To 500, Deduct	*-3.28*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.55*	
		For 304 Stainless Steel, Add	*77.24*	
		For 316 Stainless Steel, Add	*86.72*	
		For Aluminum, Add	*4.88*	
		For Galvanized Steel, Add	*16.80*	
		For High Strength Steel (HSS), Add	*9.26*	
05 12 23 00-0513	LF	8" x 6" x 1/2" Thick, Plain Steel Angle Iron	54.36	16.92
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-3.85*	
		For >500 To 1,000, Deduct	*-5.77*	
		For >1,000, Deduct	*-7.69*	
		For 304 Stainless Steel, Add	*90.66*	
		For 316 Stainless Steel, Add	*101.79*	
		For Aluminum, Add	*5.73*	
		For Galvanized Steel, Add	*19.72*	
		For High Strength Steel (HSS), Add	*10.87*	
05 12 23 00-0514	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron	62.38	19.42
		For >100 To 250, Deduct	*-2.85*	
		For >250 To 500, Deduct	*-4.41*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000, Deduct	*-8.83*	
		For 304 Stainless Steel, Add	*104.03*	
		For 316 Stainless Steel, Add	*116.80*	
		For Aluminum, Add	*6.57*	
		For Galvanized Steel, Add	*22.63*	
		For High Strength Steel (HSS), Add	*12.48*	
05 12 23 00-0515		5/8" Thick *(05 12 23 00-0423)*		
05 12 23 00-0516	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron	36.09	10.79
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.52*	
		For >500 To 1,000, Deduct	*-3.79*	
		For >1,000, Deduct	*-5.05*	
		For 316 Stainless Steel, Add	*69.47*	
		For Aluminum, Add	*3.91*	
		For Galvanized Steel, Add	*13.46*	
		For High Strength Steel (HSS), Add	*7.22*	
05 12 23 00-0517	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron	38.64	11.54
		For >100 To 250, Deduct	*-1.74*	
		For >250 To 500, Deduct	*-2.70*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-5.40*	
		For 316 Stainless Steel, Add	*74.37*	
		For Aluminum, Add	*4.18*	
		For Galvanized Steel, Add	*14.41*	
		For High Strength Steel (HSS), Add	*7.73*	
05 12 23 00-0518	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.22*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.43*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
		For High Strength Steel (HSS), Add	*9.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0519	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron	45.98	13.75
		For >100 To 250, Deduct	*-2.07*	
		For >250 To 500, Deduct	*-3.22*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.43*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
		For High Strength Steel (HSS), Add	*9.20*	
05 12 23 00-0520	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron	55.65	16.63
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-3.89*	
		For >500 To 1,000, Deduct	*-5.84*	
		For >1,000, Deduct	*-7.78*	
		For 316 Stainless Steel, Add	*107.10*	
		For Aluminum, Add	*6.02*	
		For Galvanized Steel, Add	*20.75*	
		For High Strength Steel (HSS), Add	*11.13*	
05 12 23 00-0521	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron	50.81	15.19
		For >100 To 250, Deduct	*-2.28*	
		For >250 To 500, Deduct	*-3.55*	
		For >500 To 1,000, Deduct	*-5.33*	
		For >1,000, Deduct	*-7.11*	
		For 316 Stainless Steel, Add	*97.79*	
		For Aluminum, Add	*5.50*	
		For Galvanized Steel, Add	*18.95*	
		For High Strength Steel (HSS), Add	*10.16*	
05 12 23 00-0522	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron	65.52	19.59
		For >100 To 250, Deduct	*-2.94*	
		For >250 To 500, Deduct	*-4.58*	
		For >500 To 1,000, Deduct	*-6.87*	
		For >1,000, Deduct	*-9.16*	
		For 316 Stainless Steel, Add	*126.11*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.43*	
		For High Strength Steel (HSS), Add	*13.10*	
05 12 23 00-0523	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron	75.18	22.47
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 500, Deduct	*-5.26*	
		For >500 To 1,000, Deduct	*-7.89*	
		For >1,000, Deduct	*-10.51*	
		For 316 Stainless Steel, Add	*144.70*	
		For Aluminum, Add	*8.14*	
		For Galvanized Steel, Add	*28.04*	
		For High Strength Steel (HSS), Add	*15.04*	

05 12 23 00-0524 3/4" Thick *(05 12 23 00-0423)*

05 12 23 00-0525	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron	41.49	11.92
		For >100 To 250, Deduct	*-1.83*	
		For >250 To 500, Deduct	*-2.87*	
		For >500 To 1,000, Deduct	*-4.30*	
		For >1,000, Deduct	*-5.74*	
		For 316 Stainless Steel, Add	*81.89*	
		For Aluminum, Add	*4.61*	
		For Galvanized Steel, Add	*15.87*	
		For High Strength Steel (HSS), Add	*8.30*	
05 12 23 00-0526	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron	44.39	12.76
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.07*	
		For >500 To 1,000, Deduct	*-4.61*	
		For >1,000, Deduct	*-6.14*	
		For 316 Stainless Steel, Add	*87.62*	
		For Aluminum, Add	*4.93*	
		For Galvanized Steel, Add	*16.98*	
		For High Strength Steel (HSS), Add	*8.88*	
05 12 23 00-0527	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron	52.91	15.21
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000, Deduct	*-7.32*	
		For 316 Stainless Steel, Add	*104.45*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*10.58*	
05 12 23 00-0528	LF	6" x 4" x 3/4" Thick, Plain Steel Angle Iron	52.91	15.21
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-3.66*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000, Deduct	*-7.32*	
		For 316 Stainless Steel, Add	*104.45*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.24*	
		For High Strength Steel (HSS), Add	*10.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0529	LF	6" x 6" x 3/4" Thick, Plain Steel Angle Iron	64.35	18.49
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.45*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.90*	
		For 316 Stainless Steel, Add	*127.01*	
		For Aluminum, Add	*7.14*	
		For Galvanized Steel, Add	*24.61*	
		For High Strength Steel (HSS), Add	*12.87*	
05 12 23 00-0530	LF	7" x 4" x 3/4" Thick, Plain Steel Angle Iron	58.74	16.88
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-4.06*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-8.13*	
		For 316 Stainless Steel, Add	*115.94*	
		For Aluminum, Add	*6.52*	
		For Galvanized Steel, Add	*22.46*	
		For High Strength Steel (HSS), Add	*11.75*	
05 12 23 00-0531	LF	8" x 4" x 3/4" Thick, Plain Steel Angle Iron	64.35	18.49
		For >100 To 250, Deduct	*-2.84*	
		For >250 To 500, Deduct	*-4.45*	
		For >500 To 1,000, Deduct	*-6.68*	
		For >1,000, Deduct	*-8.90*	
		For 316 Stainless Steel, Add	*127.01*	
		For Aluminum, Add	*7.14*	
		For Galvanized Steel, Add	*24.61*	
		For High Strength Steel (HSS), Add	*12.87*	
05 12 23 00-0532	LF	8" x 6" x 3/4" Thick, Plain Steel Angle Iron	75.78	21.77
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-7.86*	
		For >1,000, Deduct	*-10.48*	
		For 316 Stainless Steel, Add	*149.60*	
		For Aluminum, Add	*8.42*	
		For Galvanized Steel, Add	*28.99*	
		For High Strength Steel (HSS), Add	*15.16*	
05 12 23 00-0533	LF	8" x 8" x 3/4" Thick, Plain Steel Angle Iron	87.22	25.06
		For >100 To 250, Deduct	*-3.85*	
		For >250 To 500, Deduct	*-6.03*	
		For >500 To 1,000, Deduct	*-9.05*	
		For >1,000, Deduct	*-12.06*	
		For 316 Stainless Steel, Add	*172.16*	
		For Aluminum, Add	*9.68*	
		For Galvanized Steel, Add	*33.36*	
		For High Strength Steel (HSS), Add	*17.44*	

05 12 23 00-0534 7/8" Thick *(05 12 23 00-0423)*

05 12 23 00-0535	LF	5" x 5" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.35
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.06*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-8.12*	
		For 316 Stainless Steel, Add	*120.35*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.32*	
		For High Strength Steel (HSS), Add	*11.88*	
05 12 23 00-0536	LF	6" x 4" x 7/8" Thick, Plain Steel Angle Iron	59.41	16.35
		For >100 To 250, Deduct	*-2.58*	
		For >250 To 500, Deduct	*-4.06*	
		For >500 To 1,000, Deduct	*-6.09*	
		For >1,000, Deduct	*-8.12*	
		For 316 Stainless Steel, Add	*120.35*	
		For Aluminum, Add	*6.77*	
		For Galvanized Steel, Add	*23.32*	
		For High Strength Steel (HSS), Add	*11.88*	
05 12 23 00-0537	LF	6" x 6" x 7/8" Thick, Plain Steel Angle Iron	72.32	19.91
		For >100 To 250, Deduct	*-3.14*	
		For >250 To 500, Deduct	*-4.94*	
		For >500 To 1,000, Deduct	*-7.41*	
		For >1,000, Deduct	*-9.89*	
		For 316 Stainless Steel, Add	*146.50*	
		For Aluminum, Add	*8.24*	
		For Galvanized Steel, Add	*28.38*	
		For High Strength Steel (HSS), Add	*14.46*	
05 12 23 00-0538	LF	8" x 6" x 7/8" Thick, Plain Steel Angle Iron	85.42	23.51
		For >100 To 250, Deduct	*-3.70*	
		For >250 To 500, Deduct	*-5.84*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000, Deduct	*-11.68*	
		For 316 Stainless Steel, Add	*173.02*	
		For Aluminum, Add	*9.73*	
		For Galvanized Steel, Add	*33.52*	
		For High Strength Steel (HSS), Add	*17.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0539	LF	8" x 8" x 7/8" Thick, Plain Steel Angle Iron	98.30	27.07
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-6.72*	
		For >500 To 1,000, Deduct	*-10.08*	
		For >1,000, Deduct	*-13.44*	
		For 316 Stainless Steel, Add	*199.10*	
		For Aluminum, Add	*11.20*	
		For Galvanized Steel, Add	*38.58*	
		For High Strength Steel (HSS), Add	*19.66*	
05 12 23 00-0540		Bar Channel *(05 12 23 00-0422)*		
05 12 23 00-0541	LF	1" x 1/2" x 1/8" Thick Bar Channel	5.12	
		For 304 Stainless Steel, Add	*4.30*	
		For 316 Stainless Steel, Add	*4.83*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.94*	
		For High Strength Steel (HSS), Add	*1.02*	
05 12 23 00-0542	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel	5.73	
		For 304 Stainless Steel, Add	*5.13*	
		For 316 Stainless Steel, Add	*5.76*	
		For Aluminum, Add	*0.32*	
		For Galvanized Steel, Add	*1.12*	
		For High Strength Steel (HSS), Add	*1.15*	
05 12 23 00-0543	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel	6.24	
		For 304 Stainless Steel, Add	*5.67*	
		For 316 Stainless Steel, Add	*6.37*	
		For Aluminum, Add	*0.36*	
		For Galvanized Steel, Add	*1.23*	
		For High Strength Steel (HSS), Add	*1.25*	
05 12 23 00-0544	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel	7.17	
		For 304 Stainless Steel, Add	*5.93*	
		For 316 Stainless Steel, Add	*6.66*	
		For Aluminum, Add	*0.37*	
		For Galvanized Steel, Add	*1.29*	
		For High Strength Steel (HSS), Add	*1.43*	
05 12 23 00-0545	LF	2" x 1/2" x 1/8" Thick Bar Channel	7.64	
		For 304 Stainless Steel, Add	*7.27*	
		For 316 Stainless Steel, Add	*8.16*	
		For Aluminum, Add	*0.46*	
		For Galvanized Steel, Add	*1.58*	
05 12 23 00-0546	LF	2" x 1" x 1/8" Thick Bar Channel	10.10	
		For 304 Stainless Steel, Add	*8.09*	
		For 316 Stainless Steel, Add	*9.09*	
		For Aluminum, Add	*0.51*	
		For Galvanized Steel, Add	*1.76*	
05 12 23 00-0547		Channels - C *(05 12 23 00-0422)*		
05 12 23 00-0548	LF	C2 x 1.78 - 2" Wide Channel	8.39	4.48
		For >100 To 250, Deduct	*-0.51*	
		For >250 To 500, Deduct	*-0.72*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000, Deduct	*-1.44*	
		For 304 Stainless Steel, Add	*6.90*	
		For 316 Stainless Steel, Add	*7.74*	
		For Aluminum, Add	*0.44*	
		For Galvanized Steel, Add	*1.50*	
05 12 23 00-0549	LF	C3 x 4.1 - 3" Wide Channel	14.26	6.44
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-1.71*	
		For >1,000, Deduct	*-2.29*	
		For 304 Stainless Steel, Add	*16.16*	
		For 316 Stainless Steel, Add	*18.14*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.52*	
05 12 23 00-0550	LF	C3 x 5 - 3" Wide Channel	17.39	7.86
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000, Deduct	*-2.79*	
		For 304 Stainless Steel, Add	*19.69*	
		For 316 Stainless Steel, Add	*22.11*	
		For Aluminum, Add	*1.24*	
		For Galvanized Steel, Add	*4.28*	
05 12 23 00-0551	LF	C3 x 6 - 3" Wide Channel	20.88	9.43
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-3.35*	
		For 304 Stainless Steel, Add	*23.66*	
		For 316 Stainless Steel, Add	*26.56*	
		For Aluminum, Add	*1.49*	
		For Galvanized Steel, Add	*5.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0552	LF	C4 x 5.4 - 4" Wide Channel	17.78	7.73
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-2.81*	
		For 304 Stainless Steel, Add	*21.29*	
		For 316 Stainless Steel, Add	*23.90*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.63*	
05 12 23 00-0553	LF	C4 x 7.25 - 4" Wide Channel	23.86	10.37
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-1.89*	
		For >500 To 1,000, Deduct	*-2.83*	
		For >1,000, Deduct	*-3.77*	
		For 304 Stainless Steel, Add	*28.56*	
		For 316 Stainless Steel, Add	*32.06*	
		For Aluminum, Add	*1.80*	
		For Galvanized Steel, Add	*6.21*	
05 12 23 00-0554	LF	C5 x 6.7 - 5" Wide Channel	21.28	9.01
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-2.50*	
		For >1,000, Deduct	*-3.33*	
		For 304 Stainless Steel, Add	*26.39*	
		For 316 Stainless Steel, Add	*29.63*	
		For Aluminum, Add	*1.67*	
		For Galvanized Steel, Add	*5.74*	
05 12 23 00-0555	LF	C5 x 9 - 5" Wide Channel	28.59	12.11
		For >100 To 250, Deduct	*-1.52*	
		For >250 To 500, Deduct	*-2.24*	
		For >500 To 1,000, Deduct	*-3.36*	
		For >1,000, Deduct	*-4.47*	
		For 304 Stainless Steel, Add	*35.45*	
		For 316 Stainless Steel, Add	*39.81*	
		For Aluminum, Add	*2.24*	
		For Galvanized Steel, Add	*7.71*	
05 12 23 00-0556	LF	C6 x 8.2 - 6" Wide Channel	25.77	10.83
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.02*	
		For >1,000, Deduct	*-4.02*	
		For 304 Stainless Steel, Add	*32.32*	
		For 316 Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
05 12 23 00-0557	LF	C6 x 10.5 - 6" Wide Channel	33.00	13.86
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-2.57*	
		For >500 To 1,000, Deduct	*-3.86*	
		For >1,000, Deduct	*-5.15*	
		For 304 Stainless Steel, Add	*41.38*	
		For 316 Stainless Steel, Add	*46.46*	
		For Aluminum, Add	*2.61*	
		For Galvanized Steel, Add	*9.00*	
05 12 23 00-0558	LF	C6 x 13 - 6" Wide Channel	40.85	17.16
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.19*	
		For >500 To 1,000, Deduct	*-4.78*	
		For >1,000, Deduct	*-6.37*	
		For 304 Stainless Steel, Add	*51.21*	
		For 316 Stainless Steel, Add	*57.50*	
		For Aluminum, Add	*3.23*	
		For Galvanized Steel, Add	*11.14*	
05 12 23 00-0559	LF	C7 x 9.8 - 7" Wide Channel	30.73	12.88
		For >100 To 250, Deduct	*-1.63*	
		For >250 To 500, Deduct	*-2.40*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-4.79*	
		For 304 Stainless Steel, Add	*38.62*	
		For 316 Stainless Steel, Add	*43.36*	
		For Aluminum, Add	*2.44*	
		For Galvanized Steel, Add	*8.40*	
05 12 23 00-0560	LF	C7 x 12.25 - 7" Wide Channel	38.41	16.10
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-2.99*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*48.28*	
		For 316 Stainless Steel, Add	*54.21*	
		For Aluminum, Add	*3.05*	
		For Galvanized Steel, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0561	LF	C7 x 14.75 - 7" Wide Channel	46.25	19.39
		For >100 To 250, Deduct	*-2.45*	
		For >250 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-5.41*	
		For >1,000, Deduct	*-7.21*	
		For 304 Stainless Steel, Add	*58.11*	
		For 316 Stainless Steel, Add	*65.25*	
		For Aluminum, Add	*3.67*	
		For Galvanized Steel, Add	*12.64*	
05 12 23 00-0562	LF	C8 x 11.5 - 8" Wide Channel	34.80	14.17
		For >100 To 250, Deduct	*-1.82*	
		For >250 To 500, Deduct	*-2.69*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.37*	
		For 304 Stainless Steel, Add	*45.32*	
		For 316 Stainless Steel, Add	*50.88*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.86*	
05 12 23 00-0563	LF	C8 x 13.75 - 8" Wide Channel	41.61	16.95
		For >100 To 250, Deduct	*-2.17*	
		For >250 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-4.82*	
		For >1,000, Deduct	*-6.42*	
		For 304 Stainless Steel, Add	*54.18*	
		For 316 Stainless Steel, Add	*60.83*	
		For Aluminum, Add	*3.42*	
		For Galvanized Steel, Add	*11.79*	
05 12 23 00-0564	LF	C8 x 18.75 - 8" Wide Channel	56.73	23.11
		For >100 To 250, Deduct	*-2.96*	
		For >250 To 500, Deduct	*-4.38*	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000, Deduct	*-8.75*	
		For 304 Stainless Steel, Add	*73.87*	
		For 316 Stainless Steel, Add	*82.94*	
		For Aluminum, Add	*4.67*	
		For Galvanized Steel, Add	*16.07*	
05 12 23 00-0565	LF	C9 x 13.4 - 9" Wide Channel	40.55	16.52
		For >100 To 250, Deduct	*-2.11*	
		For >250 To 500, Deduct	*-3.13*	
		For >500 To 1,000, Deduct	*-4.69*	
		For >1,000, Deduct	*-6.26*	
		For 304 Stainless Steel, Add	*52.81*	
		For 316 Stainless Steel, Add	*59.30*	
		For Aluminum, Add	*3.34*	
		For Galvanized Steel, Add	*11.49*	
05 12 23 00-0566	LF	C9 x 15 - 9" Wide Channel	45.39	18.49
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-3.50*	
		For >500 To 1,000, Deduct	*-5.25*	
		For >1,000, Deduct	*-7.00*	
		For 304 Stainless Steel, Add	*59.11*	
		For 316 Stainless Steel, Add	*66.37*	
		For Aluminum, Add	*3.73*	
		For Galvanized Steel, Add	*12.86*	
05 12 23 00-0567	LF	C9 x 20 - 9" Wide Channel	60.52	24.65
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0568	LF	C10 x 15.3 - 10" Wide Channel	46.29	18.85
		For >100 To 250, Deduct	*-2.41*	
		For >250 To 500, Deduct	*-3.57*	
		For >500 To 1,000, Deduct	*-5.36*	
		For >1,000, Deduct	*-7.14*	
		For 304 Stainless Steel, Add	*60.28*	
		For 316 Stainless Steel, Add	*67.68*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.11*	
05 12 23 00-0569	LF	C10 x 20 - 10" Wide Channel	60.52	24.65
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0570	LF	C10 x 25 - 10" Wide Channel	75.66	30.81
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-5.84*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000, Deduct	*-11.68*	
		For 304 Stainless Steel, Add	*98.52*	
		For 316 Stainless Steel, Add	*110.62*	
		For Aluminum, Add	*6.22*	
		For Galvanized Steel, Add	*21.43*	
05 12 23 00-0571	LF	C10 x 30 - 10" Wide Channel	90.78	36.97
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-7.00*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000, Deduct	*-14.01*	
		For 304 Stainless Steel, Add	*118.22*	
		For 316 Stainless Steel, Add	*132.74*	
		For Aluminum, Add	*7.47*	
		For Galvanized Steel, Add	*25.72*	
05 12 23 00-0572	LF	C12 x 20.7 - 12" Wide Channel	62.64	25.52
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 500, Deduct	*-4.83*	
		For >500 To 1,000, Deduct	*-7.25*	
		For >1,000, Deduct	*-9.67*	
		For 304 Stainless Steel, Add	*81.57*	
		For 316 Stainless Steel, Add	*91.58*	
		For Aluminum, Add	*5.15*	
		For Galvanized Steel, Add	*17.74*	
05 12 23 00-0573	LF	C12 x 25 - 12" Wide Channel	75.66	30.81
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-5.84*	
		For >500 To 1,000, Deduct	*-8.76*	
		For >1,000, Deduct	*-11.68*	
		For 304 Stainless Steel, Add	*98.52*	
		For 316 Stainless Steel, Add	*110.62*	
		For Aluminum, Add	*6.22*	
		For Galvanized Steel, Add	*21.43*	
05 12 23 00-0574	LF	C12 x 30 - 12" Wide Channel	90.78	36.97
		For >100 To 250, Deduct	*-4.73*	
		For >250 To 500, Deduct	*-7.00*	
		For >500 To 1,000, Deduct	*-10.51*	
		For >1,000, Deduct	*-14.01*	
		For 304 Stainless Steel, Add	*118.22*	
		For 316 Stainless Steel, Add	*132.74*	
		For Aluminum, Add	*7.47*	
		For Galvanized Steel, Add	*25.72*	
05 12 23 00-0575	LF	C15 x 33.9 - 15" Wide Channel	102.58	41.78
		For >100 To 250, Deduct	*-5.35*	
		For >250 To 500, Deduct	*-7.91*	
		For >500 To 1,000, Deduct	*-11.87*	
		For >1,000, Deduct	*-15.83*	
		For 304 Stainless Steel, Add	*133.58*	
		For 316 Stainless Steel, Add	*149.98*	
		For Aluminum, Add	*8.44*	
		For Galvanized Steel, Add	*29.06*	
05 12 23 00-0576	LF	C15 x 40 - 15" Wide Channel	121.04	49.30
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.34*	
		For >500 To 1,000, Deduct	*-14.01*	
		For >1,000, Deduct	*-18.68*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0577	LF	C15 x 50 - 15" Wide Channel	151.30	61.62
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-17.51*	
		For >1,000, Deduct	*-23.35*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	

05 12 23 00-0578 Miscellaneous Channels - MC *(05 12 23 00-0422)*

05 12 23 00-0579	LF	MC6 x 12 - 6" Wide Channel	37.71	15.84
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-2.94*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000, Deduct	*-5.88*	
		For 304 Stainless Steel, Add	*47.28*	
		For 316 Stainless Steel, Add	*53.09*	
		For Aluminum, Add	*2.99*	
		For Galvanized Steel, Add	*10.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0580	LF	MC6 x 15.1 - 6" Wide Channel	47.46	19.93
		For >100 To 250, Deduct	*-2.52*	
		For >250 To 500, Deduct	*-3.70*	
		For >500 To 1,000, Deduct	*-5.55*	
		For >1,000, Deduct	*-7.40*	
		For 304 Stainless Steel, Add	*59.51*	
		For 316 Stainless Steel, Add	*66.82*	
		For Aluminum, Add	*3.76*	
		For Galvanized Steel, Add	*12.95*	
05 12 23 00-0581	LF	MC6 x 15.3 - 6" Wide Channel	48.08	20.19
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-3.75*	
		For >500 To 1,000, Deduct	*-5.63*	
		For >1,000, Deduct	*-7.50*	
		For 304 Stainless Steel, Add	*60.28*	
		For 316 Stainless Steel, Add	*67.68*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.11*	
05 12 23 00-0582	LF	MC6 x 16.3 - 6" Wide Channel	51.23	21.51
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.00*	
		For >500 To 1,000, Deduct	*-5.99*	
		For >1,000, Deduct	*-7.99*	
		For 304 Stainless Steel, Add	*64.24*	
		For 316 Stainless Steel, Add	*72.13*	
		For Aluminum, Add	*4.06*	
		For Galvanized Steel, Add	*13.97*	
05 12 23 00-0583	LF	MC6 x 18 - 6" Wide Channel	56.57	23.76
		For >100 To 250, Deduct	*-3.00*	
		For >250 To 500, Deduct	*-4.41*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000, Deduct	*-8.83*	
		For 304 Stainless Steel, Add	*70.94*	
		For 316 Stainless Steel, Add	*79.65*	
		For Aluminum, Add	*4.48*	
		For Galvanized Steel, Add	*15.43*	
05 12 23 00-0584	LF	MC7 x 17.6 - 7" Wide Channel	55.19	23.15
		For >100 To 250, Deduct	*-2.92*	
		For >250 To 500, Deduct	*-4.30*	
		For >500 To 1,000, Deduct	*-6.45*	
		For >1,000, Deduct	*-8.61*	
		For 304 Stainless Steel, Add	*69.34*	
		For 316 Stainless Steel, Add	*77.86*	
		For Aluminum, Add	*4.38*	
		For Galvanized Steel, Add	*15.08*	
05 12 23 00-0585	LF	MC7 x 19.1 - 7" Wide Channel	59.91	25.12
		For >100 To 250, Deduct	*-3.17*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.01*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*75.27*	
		For 316 Stainless Steel, Add	*84.51*	
		For Aluminum, Add	*4.75*	
		For Galvanized Steel, Add	*16.37*	
05 12 23 00-0586	LF	MC7 x 22.7 - 7" Wide Channel	71.19	29.85
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-5.55*	
		For >500 To 1,000, Deduct	*-8.32*	
		For >1,000, Deduct	*-11.10*	
		For 304 Stainless Steel, Add	*89.46*	
		For 316 Stainless Steel, Add	*100.45*	
		For Aluminum, Add	*5.65*	
		For Galvanized Steel, Add	*19.46*	
05 12 23 00-0587	LF	MC8 x 8.5 - 8" Wide Channel	25.73	10.48
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-1.99*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-3.97*	
		For 304 Stainless Steel, Add	*33.49*	
		For 316 Stainless Steel, Add	*37.60*	
		For Aluminum, Add	*2.12*	
		For Galvanized Steel, Add	*7.29*	
05 12 23 00-0588	LF	MC8 x 18.7 - 8" Wide Channel	56.59	23.04
		For >100 To 250, Deduct	*-2.95*	
		For >250 To 500, Deduct	*-4.37*	
		For >500 To 1,000, Deduct	*-6.55*	
		For >1,000, Deduct	*-8.73*	
		For 304 Stainless Steel, Add	*73.70*	
		For 316 Stainless Steel, Add	*82.75*	
		For Aluminum, Add	*4.65*	
		For Galvanized Steel, Add	*16.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0589	LF	MC8 x 20 - 8" Wide Channel	60.52	24.65
		For >100 To 250, Deduct	*-3.16*	
		For >250 To 500, Deduct	*-4.67*	
		For >500 To 1,000, Deduct	*-7.00*	
		For >1,000, Deduct	*-9.34*	
		For 304 Stainless Steel, Add	*78.80*	
		For 316 Stainless Steel, Add	*88.48*	
		For Aluminum, Add	*4.98*	
		For Galvanized Steel, Add	*17.14*	
05 12 23 00-0590	LF	MC8 x 21.4 - 8" Wide Channel	64.77	26.38
		For >100 To 250, Deduct	*-3.38*	
		For >250 To 500, Deduct	*-5.00*	
		For >500 To 1,000, Deduct	*-7.50*	
		For >1,000, Deduct	*-10.00*	
		For 304 Stainless Steel, Add	*84.33*	
		For 316 Stainless Steel, Add	*94.69*	
		For Aluminum, Add	*5.33*	
		For Galvanized Steel, Add	*18.35*	
05 12 23 00-0591	LF	MC8 x 22.8 - 8" Wide Channel	68.98	28.11
		For >100 To 250, Deduct	*-3.60*	
		For >250 To 500, Deduct	*-5.32*	
		For >500 To 1,000, Deduct	*-7.98*	
		For >1,000, Deduct	*-10.64*	
		For 304 Stainless Steel, Add	*89.83*	
		For 316 Stainless Steel, Add	*100.86*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.54*	
05 12 23 00-0592	LF	MC9 x 23.9 - 9" Wide Channel	72.33	29.46
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-5.58*	
		For >500 To 1,000, Deduct	*-8.37*	
		For >1,000, Deduct	*-11.16*	
		For 304 Stainless Steel, Add	*94.19*	
		For 316 Stainless Steel, Add	*105.76*	
		For Aluminum, Add	*5.95*	
		For Galvanized Steel, Add	*20.49*	
05 12 23 00-0593	LF	MC9 x 25.4 - 9" Wide Channel	76.85	31.30
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-5.93*	
		For >500 To 1,000, Deduct	*-8.89*	
		For >1,000, Deduct	*-11.86*	
		For 304 Stainless Steel, Add	*100.09*	
		For 316 Stainless Steel, Add	*112.38*	
		For Aluminum, Add	*6.32*	
		For Galvanized Steel, Add	*21.77*	
05 12 23 00-0594	LF	MC10 x 6.5 - 10" Wide Channel	19.68	8.01
		For >100 To 250, Deduct	*-1.03*	
		For >250 To 500, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-2.28*	
		For >1,000, Deduct	*-3.04*	
		For 304 Stainless Steel, Add	*25.62*	
		For 316 Stainless Steel, Add	*28.77*	
		For Aluminum, Add	*1.62*	
		For Galvanized Steel, Add	*5.57*	
05 12 23 00-0595	LF	MC10 x 8.4 - 10" Wide Channel	25.41	10.35
		For >100 To 250, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-2.94*	
		For >1,000, Deduct	*-3.92*	
		For 304 Stainless Steel, Add	*33.09*	
		For 316 Stainless Steel, Add	*37.15*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.20*	
05 12 23 00-0596	LF	MC10 x 21.9 - 10" Wide Channel	66.26	27.00
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-5.11*	
		For >500 To 1,000, Deduct	*-7.67*	
		For >1,000, Deduct	*-10.22*	
		For 304 Stainless Steel, Add	*86.30*	
		For 316 Stainless Steel, Add	*96.90*	
		For Aluminum, Add	*5.45*	
		For Galvanized Steel, Add	*18.77*	
05 12 23 00-0597	LF	MC10 x 24.9 - 10" Wide Channel	75.36	30.70
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-5.81*	
		For >500 To 1,000, Deduct	*-8.72*	
		For >1,000, Deduct	*-11.63*	
		For 304 Stainless Steel, Add	*98.13*	
		For 316 Stainless Steel, Add	*110.18*	
		For Aluminum, Add	*6.20*	
		For Galvanized Steel, Add	*21.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0598	LF	MC10 x 25.3 - 10" Wide Channel	76.55	31.19
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-5.91*	
		For >500 To 1,000, Deduct	*-8.86*	
		For >1,000, Deduct	*-11.81*	
		For 304 Stainless Steel, Add	*99.69*	
		For 316 Stainless Steel, Add	*111.94*	
		For Aluminum, Add	*6.30*	
		For Galvanized Steel, Add	*21.69*	
05 12 23 00-0599	LF	MC10 x 28.3 - 10" Wide Channel	85.65	34.87
		For >100 To 250, Deduct	*-4.47*	
		For >250 To 500, Deduct	*-6.61*	
		For >500 To 1,000, Deduct	*-9.91*	
		For >1,000, Deduct	*-13.22*	
		For 304 Stainless Steel, Add	*111.52*	
		For 316 Stainless Steel, Add	*125.22*	
		For Aluminum, Add	*7.04*	
		For Galvanized Steel, Add	*24.26*	
05 12 23 00-0600	LF	MC10 x 28.5 - 10" Wide Channel	86.25	35.13
		For >100 To 250, Deduct	*-4.50*	
		For >250 To 500, Deduct	*-6.65*	
		For >500 To 1,000, Deduct	*-9.98*	
		For >1,000, Deduct	*-13.31*	
		For 304 Stainless Steel, Add	*112.32*	
		For 316 Stainless Steel, Add	*126.11*	
		For Aluminum, Add	*7.09*	
		For Galvanized Steel, Add	*24.43*	
05 12 23 00-0601	LF	MC10 x 33.6 - 10" Wide Channel	101.68	41.42
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-7.85*	
		For >500 To 1,000, Deduct	*-11.77*	
		For >1,000, Deduct	*-15.69*	
		For 304 Stainless Steel, Add	*132.41*	
		For 316 Stainless Steel, Add	*148.67*	
		For Aluminum, Add	*8.36*	
		For Galvanized Steel, Add	*28.81*	
05 12 23 00-0602	LF	MC10 x 41.1 - 10" Wide Channel	124.37	50.66
		For >100 To 250, Deduct	*-6.49*	
		For >250 To 500, Deduct	*-9.60*	
		For >500 To 1,000, Deduct	*-14.39*	
		For >1,000, Deduct	*-19.19*	
		For 304 Stainless Steel, Add	*161.97*	
		For 316 Stainless Steel, Add	*181.86*	
		For Aluminum, Add	*10.23*	
		For Galvanized Steel, Add	*35.23*	
05 12 23 00-0603	LF	MC12 x 30.9 - 12" Wide Channel	93.51	38.09
		For >100 To 250, Deduct	*-4.88*	
		For >250 To 500, Deduct	*-7.22*	
		For >500 To 1,000, Deduct	*-10.82*	
		For >1,000, Deduct	*-14.43*	
		For 304 Stainless Steel, Add	*121.75*	
		For 316 Stainless Steel, Add	*136.70*	
		For Aluminum, Add	*7.69*	
		For Galvanized Steel, Add	*26.49*	
05 12 23 00-0604	LF	MC12 x 32.9 - 12" Wide Channel	99.56	40.54
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-7.68*	
		For >500 To 1,000, Deduct	*-11.52*	
		For >1,000, Deduct	*-15.36*	
		For 304 Stainless Steel, Add	*129.65*	
		For 316 Stainless Steel, Add	*145.57*	
		For Aluminum, Add	*8.19*	
		For Galvanized Steel, Add	*28.20*	
05 12 23 00-0605	LF	MC12 x 35 - 12" Wide Channel	105.91	43.13
		For >100 To 250, Deduct	*-5.52*	
		For >250 To 500, Deduct	*-8.17*	
		For >500 To 1,000, Deduct	*-12.26*	
		For >1,000, Deduct	*-16.34*	
		For 304 Stainless Steel, Add	*137.91*	
		For 316 Stainless Steel, Add	*154.85*	
		For Aluminum, Add	*8.71*	
		For Galvanized Steel, Add	*30.00*	
05 12 23 00-0606	LF	MC12 x 37 - 12" Wide Channel	111.97	45.61
		For >100 To 250, Deduct	*-5.84*	
		For >250 To 500, Deduct	*-8.64*	
		For >500 To 1,000, Deduct	*-12.96*	
		For >1,000, Deduct	*-17.28*	
		For 304 Stainless Steel, Add	*145.81*	
		For 316 Stainless Steel, Add	*163.71*	
		For Aluminum, Add	*9.21*	
		For Galvanized Steel, Add	*31.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0607	LF	MC12 x 40 - 12" Wide Channel	121.04	49.30
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.34*	
		For >500 To 1,000, Deduct	*-14.01*	
		For >1,000, Deduct	*-18.68*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0608	LF	MC12 x 45 - 12" Wide Channel	136.18	55.47
		For >100 To 250, Deduct	*-7.10*	
		For >250 To 500, Deduct	*-10.51*	
		For >500 To 1,000, Deduct	*-15.76*	
		For >1,000, Deduct	*-21.01*	
		For 304 Stainless Steel, Add	*177.33*	
		For 316 Stainless Steel, Add	*199.10*	
		For Aluminum, Add	*11.20*	
		For Galvanized Steel, Add	*38.58*	
05 12 23 00-0609	LF	MC12 x 50 - 12" Wide Channel	151.30	61.63
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-17.51*	
		For >1,000, Deduct	*-23.35*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
05 12 23 00-0610	LF	MC13 x 31.8 - 13" Wide Channel	96.24	39.20
		For >100 To 250, Deduct	*-5.02*	
		For >250 To 500, Deduct	*-7.43*	
		For >500 To 1,000, Deduct	*-11.14*	
		For >1,000, Deduct	*-14.85*	
		For 304 Stainless Steel, Add	*125.31*	
		For 316 Stainless Steel, Add	*140.70*	
		For Aluminum, Add	*7.91*	
		For Galvanized Steel, Add	*27.26*	
05 12 23 00-0611	LF	MC13 x 35 - 13" Wide Channel	105.91	43.13
		For >100 To 250, Deduct	*-5.52*	
		For >250 To 500, Deduct	*-8.17*	
		For >500 To 1,000, Deduct	*-12.26*	
		For >1,000, Deduct	*-16.34*	
		For 304 Stainless Steel, Add	*137.91*	
		For 316 Stainless Steel, Add	*154.85*	
		For Aluminum, Add	*8.71*	
		For Galvanized Steel, Add	*30.00*	
05 12 23 00-0612	LF	MC13 x 40 - 13" Wide Channel	121.04	49.30
		For >100 To 250, Deduct	*-6.31*	
		For >250 To 500, Deduct	*-9.34*	
		For >500 To 1,000, Deduct	*-14.01*	
		For >1,000, Deduct	*-18.68*	
		For 304 Stainless Steel, Add	*157.63*	
		For 316 Stainless Steel, Add	*176.99*	
		For Aluminum, Add	*9.96*	
		For Galvanized Steel, Add	*34.29*	
05 12 23 00-0613	LF	MC13 x 50 - 13" Wide Channel	151.30	61.63
		For >100 To 250, Deduct	*-7.89*	
		For >250 To 500, Deduct	*-11.67*	
		For >500 To 1,000, Deduct	*-17.51*	
		For >1,000, Deduct	*-23.35*	
		For 304 Stainless Steel, Add	*197.02*	
		For 316 Stainless Steel, Add	*221.22*	
		For Aluminum, Add	*12.44*	
		For Galvanized Steel, Add	*42.86*	
05 12 23 00-0614	LF	MC18 x 42.7 - 18" Wide Channel	129.21	52.63
		For >100 To 250, Deduct	*-6.74*	
		For >250 To 500, Deduct	*-9.97*	
		For >500 To 1,000, Deduct	*-14.95*	
		For >1,000, Deduct	*-19.94*	
		For 304 Stainless Steel, Add	*168.26*	
		For 316 Stainless Steel, Add	*188.93*	
		For Aluminum, Add	*10.63*	
		For Galvanized Steel, Add	*36.60*	
05 12 23 00-0615	LF	MC18 x 45.8 - 18" Wide Channel	138.59	56.46
		For >100 To 250, Deduct	*-7.23*	
		For >250 To 500, Deduct	*-10.69*	
		For >500 To 1,000, Deduct	*-16.04*	
		For >1,000, Deduct	*-21.39*	
		For 304 Stainless Steel, Add	*180.49*	
		For 316 Stainless Steel, Add	*202.66*	
		For Aluminum, Add	*11.40*	
		For Galvanized Steel, Add	*39.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0616	LF	MC18 x 51.9 - 18" Wide Channel	157.06	63.97
		For >100 To 250, Deduct	*-8.19*	
		For >250 To 500, Deduct	*-12.12*	
		For >500 To 1,000, Deduct	*-18.18*	
		For >1,000, Deduct	*-24.24*	
		For 304 Stainless Steel, Add	*204.52*	
		For 316 Stainless Steel, Add	*229.63*	
		For Aluminum, Add	*12.92*	
		For Galvanized Steel, Add	*44.49*	
05 12 23 00-0617	LF	MC18 x 58 - 18" Wide Channel	175.51	71.48
		For >100 To 250, Deduct	*-9.15*	
		For >250 To 500, Deduct	*-13.54*	
		For >500 To 1,000, Deduct	*-20.31*	
		For >1,000, Deduct	*-27.08*	
		For 304 Stainless Steel, Add	*228.54*	
		For 316 Stainless Steel, Add	*256.61*	
		For Aluminum, Add	*14.43*	
		For Galvanized Steel, Add	*49.72*	

05 12 23 00-0618 Structural Bar Tees *(05 12 23 00-0422)*

05 12 23 00-0619	LF	3/4" x 3/4" x 1/8" Structural Bar Tee	5.49	3.28
		For >100 To 250, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.99*	
		For 304 Stainless Steel, Add	*3.19*	
		For 316 Stainless Steel, Add	*3.58*	
		For Aluminum, Add	*0.20*	
		For Galvanized Steel, Add	*0.69*	
05 12 23 00-0620	LF	1" x 1" x 1/8" Structural Bar Tee	6.69	3.87
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000, Deduct	*-1.19*	
		For 304 Stainless Steel, Add	*4.36*	
		For 316 Stainless Steel, Add	*4.90*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
05 12 23 00-0621	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee	10.33	4.46
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000, Deduct	*-1.63*	
		For 304 Stainless Steel, Add	*12.48*	
		For 316 Stainless Steel, Add	*14.02*	
		For Aluminum, Add	*0.79*	
		For Galvanized Steel, Add	*2.72*	
05 12 23 00-0622	LF	2" x 2" x 1/4" Structural Bar Tee	14.31	5.84
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 500, Deduct	*-1.10*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.21*	
		For 304 Stainless Steel, Add	*18.61*	
		For 316 Stainless Steel, Add	*20.90*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.05*	
05 12 23 00-0623	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee	21.13	7.04
		For >100 To 250, Deduct	*-1.00*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.05*	
		For 304 Stainless Steel, Add	*33.43*	
		For 316 Stainless Steel, Add	*37.54*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.27*	
05 12 23 00-0624	LF	3" x 3" x 3/8" Structural Bar Tee	26.09	9.02
		For >100 To 250, Deduct	*-1.25*	
		For >250 To 500, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-2.86*	
		For >1,000, Deduct	*-3.81*	
		For 304 Stainless Steel, Add	*40.10*	
		For 316 Stainless Steel, Add	*45.02*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.72*	

05 12 23 00-0625 Structural Zees *(05 12 23 00-0422)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0626	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee	12.49	4.46
		For >100 To 250, Deduct	*-0.61*	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.38*	
		For >1,000, Deduct	*-1.84*	
		For 304 Stainless Steel, Add	*18.64*	
		For 316 Stainless Steel, Add	*20.93*	
		For Aluminum, Add	*1.18*	
		For Galvanized Steel, Add	*4.05*	
05 12 23 00-0627	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee	22.74	5.33
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.49*	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000, Deduct	*-2.98*	
		For 304 Stainless Steel, Add	*44.57*	
		For 316 Stainless Steel, Add	*50.05*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.70*	
05 12 23 00-0628	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee	27.16	6.01
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000, Deduct	*-3.52*	
		For 304 Stainless Steel, Add	*54.55*	
		For 316 Stainless Steel, Add	*61.25*	
		For Aluminum, Add	*3.45*	
		For Galvanized Steel, Add	*11.87*	
05 12 23 00-0629	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee	36.24	6.87
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 500, Deduct	*-2.27*	
		For >500 To 1,000, Deduct	*-3.41*	
		For >1,000, Deduct	*-4.54*	
		For 304 Stainless Steel, Add	*77.18*	
		For 316 Stainless Steel, Add	*86.66*	
		For Aluminum, Add	*4.87*	
		For Galvanized Steel, Add	*16.79*	
05 12 23 00-0630	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee	46.62	7.47
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.83*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000, Deduct	*-5.66*	
		For 304 Stainless Steel, Add	*104.45*	
		For 316 Stainless Steel, Add	*117.28*	
		For Aluminum, Add	*6.60*	
		For Galvanized Steel, Add	*22.72*	

05 12 23 00-0631 Junior I-Beams *(05 12 23 00-0422)*

05 12 23 00-0632	LF	3" Junior I-Beam, 2.9 Lb./LF	17.21	6.45
		For >100 To 250, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-1.29*	
		For >500 To 1,000, Deduct	*-1.94*	
		For >1,000, Deduct	*-2.58*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
05 12 23 00-0633	LF	4" Junior I-Beam, 3.2 Lb./LF	18.91	7.04
		For >100 To 250, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-1.42*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000, Deduct	*-2.83*	
		For 304 Stainless Steel, Add	*27.10*	
		For 316 Stainless Steel, Add	*30.43*	
		For Aluminum, Add	*1.71*	
		For Galvanized Steel, Add	*5.90*	
05 12 23 00-0634	LF	5" Junior I-Beam, 3.8 Lb./LF	21.59	7.73
		For >100 To 250, Deduct	*-1.05*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.19*	
		For 304 Stainless Steel, Add	*32.18*	
		For 316 Stainless Steel, Add	*36.13*	
		For Aluminum, Add	*2.03*	
		For Galvanized Steel, Add	*7.00*	
05 12 23 00-0635	LF	6" Junior I-Beam, 4.4 Lb./LF	24.30	8.42
		For >100 To 250, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-1.78*	
		For >500 To 1,000, Deduct	*-2.66*	
		For >1,000, Deduct	*-3.55*	
		For 304 Stainless Steel, Add	*37.25*	
		For 316 Stainless Steel, Add	*41.82*	
		For Aluminum, Add	*2.35*	
		For Galvanized Steel, Add	*8.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0636	LF	7" Junior I-Beam, 5.5 Lb./LF	28.36	9.01
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.02*	
		For >500 To 1,000, Deduct	*-3.03*	
		For >1,000, Deduct	*-4.04*	
		For 304 Stainless Steel, Add	*46.57*	
		For 316 Stainless Steel, Add	*52.29*	
		For Aluminum, Add	*2.94*	
		For Galvanized Steel, Add	*10.13*	
05 12 23 00-0637	LF	8" Junior I-Beam, 6.5 Lb./LF	32.14	9.62
		For >100 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.25*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000, Deduct	*-4.50*	
		For 304 Stainless Steel, Add	*55.03*	
		For 316 Stainless Steel, Add	*61.79*	
		For Aluminum, Add	*3.48*	
		For Galvanized Steel, Add	*11.97*	
05 12 23 00-0638	LF	10" Junior I-Beam, 9 Lb./LF	41.40	11.00
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-2.80*	
		For >500 To 1,000, Deduct	*-4.20*	
		For >1,000, Deduct	*-5.61*	
		For 304 Stainless Steel, Add	*76.21*	
		For 316 Stainless Steel, Add	*85.57*	
		For Aluminum, Add	*4.81*	
		For Galvanized Steel, Add	*16.58*	
05 12 23 00-0639	LF	12" Junior I-Beam, 11.8 Lb./LF	52.47	13.06
		For >100 To 250, Deduct	*-2.18*	
		For >250 To 500, Deduct	*-3.49*	
		For >500 To 1,000, Deduct	*-5.24*	
		For >1,000, Deduct	*-6.99*	
		For 304 Stainless Steel, Add	*99.92*	
		For 316 Stainless Steel, Add	*112.19*	
		For Aluminum, Add	*6.31*	
		For Galvanized Steel, Add	*21.74*	

05 12 23 00-0640 Round Stock *(05 12 23 00-0422)*

05 12 23 00-0641	LF	1/4" Carbon Steel Rounds, ASTM A108	2.48	
		For 304 Stainless Steel, Add	*3.79*	
		For 316 Stainless Steel, Add	*4.26*	
		For Aluminum, Add	*0.24*	
		For Galvanized Steel, Add	*0.82*	
05 12 23 00-0642	LF	3/8" Carbon Steel Rounds, ASTM A108	3.91	
		For 304 Stainless Steel, Add	*7.44*	
		For 316 Stainless Steel, Add	*8.35*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.62*	
05 12 23 00-0643	LF	1/2" Carbon Steel Rounds, ASTM A108	5.41	
		For 304 Stainless Steel, Add	*11.34*	
		For 316 Stainless Steel, Add	*12.74*	
		For Aluminum, Add	*0.72*	
		For Galvanized Steel, Add	*2.47*	
05 12 23 00-0644	LF	5/8" Carbon Steel Rounds, ASTM A108	8.22	
		For 304 Stainless Steel, Add	*18.90*	
		For 316 Stainless Steel, Add	*21.22*	
		For Aluminum, Add	*1.19*	
		For Galvanized Steel, Add	*4.11*	
05 12 23 00-0645	LF	3/4" Carbon Steel Rounds, ASTM A108	9.79	
		For 304 Stainless Steel, Add	*22.46*	
		For 316 Stainless Steel, Add	*25.22*	
		For Aluminum, Add	*1.42*	
		For Galvanized Steel, Add	*4.89*	
05 12 23 00-0646	LF	7/8" Carbon Steel Rounds, ASTM A108	11.41	
		For 304 Stainless Steel, Add	*26.22*	
		For 316 Stainless Steel, Add	*29.44*	
		For Aluminum, Add	*1.66*	
		For Galvanized Steel, Add	*5.70*	
05 12 23 00-0647	LF	1" Carbon Steel Rounds, ASTM A108	16.62	
		For 304 Stainless Steel, Add	*39.96*	
		For 316 Stainless Steel, Add	*44.86*	
		For Aluminum, Add	*2.52*	
		For Galvanized Steel, Add	*8.69*	
05 12 23 00-0648	LF	1-1/8" Carbon Steel Rounds, ASTM A108	20.22	
		For 304 Stainless Steel, Add	*48.56*	
		For 316 Stainless Steel, Add	*54.53*	
		For Aluminum, Add	*3.07*	
		For Galvanized Steel, Add	*10.56*	
05 12 23 00-0649	LF	1-1/4" Carbon Steel Rounds, ASTM A108	24.14	
		For 304 Stainless Steel, Add	*57.14*	
		For 316 Stainless Steel, Add	*64.16*	
		For Aluminum, Add	*3.61*	
		For Galvanized Steel, Add	*12.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0650	LF	1-3/8" Carbon Steel Rounds, ASTM A108	29.24	
		For 304 Stainless Steel, Add	*69.74*	
		For 316 Stainless Steel, Add	*78.30*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.17*	
05 12 23 00-0651	LF	1-1/2" Carbon Steel Rounds, ASTM A108	32.57	
		For 304 Stainless Steel, Add	*76.49*	
		For 316 Stainless Steel, Add	*85.89*	
		For Aluminum, Add	*4.83*	
		For Galvanized Steel, Add	*16.64*	
05 12 23 00-0652	LF	1-5/8" Carbon Steel Rounds, ASTM A108	37.58	
		For 304 Stainless Steel, Add	*86.70*	
		For 316 Stainless Steel, Add	*97.34*	
		For Aluminum, Add	*5.48*	
		For Galvanized Steel, Add	*18.86*	
05 12 23 00-0653	LF	1-3/4" Carbon Steel Rounds, ASTM A108	44.95	
		For 304 Stainless Steel, Add	*100.89*	
		For 316 Stainless Steel, Add	*113.28*	
		For Aluminum, Add	*6.37*	
		For Galvanized Steel, Add	*21.95*	
05 12 23 00-0654	LF	1-7/8" Carbon Steel Rounds, ASTM A108	54.07	
		For 304 Stainless Steel, Add	*118.19*	
		For 316 Stainless Steel, Add	*132.70*	
		For Aluminum, Add	*7.46*	
		For Galvanized Steel, Add	*25.71*	
05 12 23 00-0655	LF	2" Carbon Steel Rounds, ASTM A108	61.68	
		For 304 Stainless Steel, Add	*131.47*	
		For 316 Stainless Steel, Add	*147.62*	
		For Aluminum, Add	*8.30*	
		For Galvanized Steel, Add	*28.60*	
05 12 23 00-0656	LF	2-1/8" Carbon Steel Rounds, ASTM A108	71.99	
		For 304 Stainless Steel, Add	*150.14*	
		For 316 Stainless Steel, Add	*168.58*	
		For Aluminum, Add	*9.48*	
		For Galvanized Steel, Add	*32.66*	
05 12 23 00-0657	LF	2-1/4" Carbon Steel Rounds, ASTM A108	81.44	
		For 304 Stainless Steel, Add	*168.81*	
		For 316 Stainless Steel, Add	*189.54*	
		For Aluminum, Add	*10.66*	
		For Galvanized Steel, Add	*36.72*	
05 12 23 00-0658	LF	2-3/8" Carbon Steel Rounds, ASTM A108	93.29	
		For 304 Stainless Steel, Add	*193.09*	
		For 316 Stainless Steel, Add	*216.80*	
		For Aluminum, Add	*12.20*	
		For Galvanized Steel, Add	*42.01*	
05 12 23 00-0659	LF	2-1/2" Carbon Steel Rounds, ASTM A108	102.99	
		For 304 Stainless Steel, Add	*208.08*	
		For 316 Stainless Steel, Add	*233.63*	
		For Aluminum, Add	*13.14*	
		For Galvanized Steel, Add	*45.27*	
05 12 23 00-0660	LF	2-5/8" Carbon Steel Rounds, ASTM A108	126.06	
		For 304 Stainless Steel, Add	*264.31*	
		For 316 Stainless Steel, Add	*296.77*	
		For Aluminum, Add	*16.69*	
		For Galvanized Steel, Add	*57.50*	
05 12 23 00-0661	LF	2-3/4" Carbon Steel Rounds, ASTM A108	143.53	
		For 304 Stainless Steel, Add	*301.42*	
		For 316 Stainless Steel, Add	*338.43*	
		For Aluminum, Add	*19.04*	
		For Galvanized Steel, Add	*65.57*	
05 12 23 00-0662	LF	2-7/8 Carbon Steel Rounds, ASTM A108	160.06	
		For 304 Stainless Steel, Add	*335.90*	
		For 316 Stainless Steel, Add	*377.15*	
		For Aluminum, Add	*21.21*	
		For Galvanized Steel, Add	*73.07*	
05 12 23 00-0663	LF	3" Carbon Steel Rounds, ASTM A108	168.05	
		For 304 Stainless Steel, Add	*345.99*	
		For 316 Stainless Steel, Add	*388.48*	
		For Aluminum, Add	*21.85*	
		For Galvanized Steel, Add	*75.27*	
05 12 23 00-0664	LF	3-1/8" Carbon Steel Rounds, ASTM A108	175.19	
		For 304 Stainless Steel, Add	*353.66*	
		For 316 Stainless Steel, Add	*397.09*	
		For Aluminum, Add	*22.34*	
		For Galvanized Steel, Add	*76.94*	
05 12 23 00-0665	LF	3-1/4" Carbon Steel Rounds, ASTM A108	184.68	
		For 304 Stainless Steel, Add	*368.08*	
		For 316 Stainless Steel, Add	*413.28*	
		For Aluminum, Add	*23.25*	
		For Galvanized Steel, Add	*80.07*	
05 12 23 00-0666	LF	3-1/2" Carbon Steel Rounds, ASTM A108	224.96	
		For 304 Stainless Steel, Add	*467.03*	
		For 316 Stainless Steel, Add	*524.38*	
		For Aluminum, Add	*29.50*	
		For Galvanized Steel, Add	*101.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0667	LF	3-5/8" Carbon Steel Rounds, ASTM A108	249.96	
		For 304 Stainless Steel, Add	*522.46*	
		For 316 Stainless Steel, Add	*586.62*	
		For Aluminum, Add	*33.00*	
		For Galvanized Steel, Add	*113.66*	
05 12 23 00-0668	LF	3-3/4" Carbon Steel Rounds, ASTM A108	268.30	
		For 304 Stainless Steel, Add	*558.89*	
		For 316 Stainless Steel, Add	*627.52*	
		For Aluminum, Add	*35.30*	
		For Galvanized Steel, Add	*121.58*	
05 12 23 00-0669	LF	4" Carbon Steel Rounds, ASTM A108	301.01	
		For 304 Stainless Steel, Add	*636.29*	
		For 316 Stainless Steel, Add	*714.43*	
		For Aluminum, Add	*40.19*	
		For Galvanized Steel, Add	*138.42*	

05 12 23 00-0670 Square Stock *(05 12 23 00-0422)*

05 12 23 00-0671	LF	3/8" Square Bar Stock	1.96	
		For 304 Stainless Steel, Add	*1.88*	
		For 316 Stainless Steel, Add	*2.11*	
		For Aluminum, Add	*0.12*	
		For Galvanized Steel, Add	*0.41*	
05 12 23 00-0672	LF	1/2" Square Bar Stock	2.60	
		For 304 Stainless Steel, Add	*3.33*	
		For 316 Stainless Steel, Add	*3.74*	
		For Aluminum, Add	*0.21*	
		For Galvanized Steel, Add	*0.73*	
05 12 23 00-0673	LF	5/8" Square Bar Stock	3.42	
		For 304 Stainless Steel, Add	*5.22*	
		For 316 Stainless Steel, Add	*5.86*	
		For Aluminum, Add	*0.33*	
		For Galvanized Steel, Add	*1.13*	
05 12 23 00-0674	LF	3/4" Square Bar Stock	4.54	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
05 12 23 00-0675	LF	7/8" Square Bar Stock	5.88	
		For 304 Stainless Steel, Add	*10.46*	
		For 316 Stainless Steel, Add	*11.74*	
		For Aluminum, Add	*0.66*	
		For Galvanized Steel, Add	*2.28*	
05 12 23 00-0676	LF	1" Square Bar Stock	7.29	
		For 304 Stainless Steel, Add	*13.37*	
		For 316 Stainless Steel, Add	*15.01*	
		For Aluminum, Add	*0.84*	
		For Galvanized Steel, Add	*2.91*	
05 12 23 00-0677	LF	1-1/4" Square Bar Stock	11.41	
		For 304 Stainless Steel, Add	*20.86*	
		For 316 Stainless Steel, Add	*23.42*	
		For Aluminum, Add	*1.32*	
		For Galvanized Steel, Add	*4.54*	
05 12 23 00-0678	LF	1-1/2" Square Bar Stock	16.28	
		For 304 Stainless Steel, Add	*30.07*	
		For 316 Stainless Steel, Add	*33.76*	
		For Aluminum, Add	*1.90*	
		For Galvanized Steel, Add	*6.54*	
05 12 23 00-0679	LF	1-3/4" Square Bar Stock	24.21	
		For 304 Stainless Steel, Add	*41.78*	
		For 316 Stainless Steel, Add	*46.91*	
		For Aluminum, Add	*2.64*	
		For Galvanized Steel, Add	*9.09*	
05 12 23 00-0680	LF	2" Square Bar Stock	34.79	
		For 304 Stainless Steel, Add	*53.47*	
		For 316 Stainless Steel, Add	*60.03*	
		For Aluminum, Add	*3.38*	
		For Galvanized Steel, Add	*11.63*	

05 12 23 00-0681 Steel Tubing *(05 12 23 00-0422)*

Note: General purpose low-carbon steel.

05 12 23 00-0682 Square Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0683 0.06" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0684	LF	1/2" x 1/2" x 0.06" Square Steel Tubing	2.55	0.61
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000, Deduct	*-0.34*	
		For 304 Stainless Steel, Add	*4.90*	
		For 316 Stainless Steel, Add	*5.50*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0685	LF	3/4" x 3/4" x 0.06" Square Steel Tubing	3.92	0.97
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.26*	
		For >500 To 1,000, Deduct	*-0.39*	
		For >1,000, Deduct	*-0.52*	
		For 304 Stainless Steel, Add	*7.50*	
		For 316 Stainless Steel, Add	*8.42*	
		For Aluminum, Add	*0.47*	
		For Galvanized Steel, Add	*1.63*	
05 12 23 00-0686	LF	1" x 1" x 0.06" Square Steel Tubing	5.27	1.76
		For >100 To 250, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000, Deduct	*-0.70*	
		For 304 Stainless Steel, Add	*10.00*	
		For 316 Stainless Steel, Add	*11.23*	
		For Aluminum, Add	*0.63*	
		For Galvanized Steel, Add	*2.18*	
05 12 23 00-0687	LF	1-1/4" x 1-1/4" x 0.06" Square Steel Tubing	6.96	1.67
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.69*	
		For >1,000, Deduct	*-0.92*	
		For 304 Stainless Steel, Add	*13.48*	
		For 316 Stainless Steel, Add	*15.14*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.93*	
05 12 23 00-0688	LF	1-1/2" x 1-1/2" x 0.06" Square Steel Tubing	8.25	2.02
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 1,000, Deduct	*-0.82*	
		For >1,000, Deduct	*-1.10*	
		For 304 Stainless Steel, Add	*15.82*	
		For 316 Stainless Steel, Add	*17.76*	
		For Aluminum, Add	*1.00*	
		For Galvanized Steel, Add	*3.44*	

05 12 23 00-0689 0.083" Wall Thickness *(05 12 23 00-0682)*

05 12 23 00-0690	LF	3/4" x 3/4" x 0.083" Square Steel Tubing	4.56	1.14
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*8.69*	
		For 316 Stainless Steel, Add	*9.76*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.89*	
05 12 23 00-0691	LF	1" x 1" x 0.083" Square Steel Tubing	6.63	1.56
		For >100 To 250, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.44*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000, Deduct	*-0.87*	
		For 304 Stainless Steel, Add	*13.00*	
		For 316 Stainless Steel, Add	*14.59*	
		For Aluminum, Add	*0.82*	
		For Galvanized Steel, Add	*2.83*	
05 12 23 00-0692	LF	1-1/4" x 1-1/4" x 0.083" Square Steel Tubing	8.02	1.98
		For >100 To 250, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-0.80*	
		For >1,000, Deduct	*-1.07*	
		For 304 Stainless Steel, Add	*15.33*	
		For 316 Stainless Steel, Add	*17.22*	
		For Aluminum, Add	*0.97*	
		For Galvanized Steel, Add	*3.34*	
05 12 23 00-0693	LF	1-1/2" x 1-1/2" x 0.083" Square Steel Tubing	9.70	2.41
		For >100 To 250, Deduct	*-0.40*	
		For >250 To 500, Deduct	*-0.65*	
		For >500 To 1,000, Deduct	*-0.97*	
		For >1,000, Deduct	*-1.29*	
		For 304 Stainless Steel, Add	*18.50*	
		For 316 Stainless Steel, Add	*20.77*	
		For Aluminum, Add	*1.17*	
		For Galvanized Steel, Add	*4.02*	
05 12 23 00-0694	LF	2" x 2" x 0.083" Square Steel Tubing	12.45	3.21
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.84*	
		For >500 To 1,000, Deduct	*-1.25*	
		For >1,000, Deduct	*-1.67*	
		For 304 Stainless Steel, Add	*23.28*	
		For 316 Stainless Steel, Add	*26.14*	
		For Aluminum, Add	*1.47*	
		For Galvanized Steel, Add	*5.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0695		**0.12" Wall Thickness** *(05 12 23 00-0682)*		
05 12 23 00-0696	LF	1" x 1" x 0.12" Square Steel Tubing	7.33	1.85
		For >100 To 250, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.74*	
		For >1,000, Deduct	*-0.98*	
		For 304 Stainless Steel, Add	*13.85*	
		For 316 Stainless Steel, Add	*15.55*	
		For Aluminum, Add	*0.87*	
		For Galvanized Steel, Add	*3.01*	
05 12 23 00-0697	LF	1-1/4" x 1-1/4" x 0.12" Square Steel Tubing	9.44	2.38
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000, Deduct	*-1.26*	
		For 304 Stainless Steel, Add	*17.87*	
		For 316 Stainless Steel, Add	*20.06*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.89*	
05 12 23 00-0698	LF	1-1/2" x 1-1/2" x 0.12" Square Steel Tubing	11.59	2.90
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.55*	
		For 304 Stainless Steel, Add	*21.97*	
		For 316 Stainless Steel, Add	*24.67*	
		For Aluminum, Add	*1.39*	
		For Galvanized Steel, Add	*4.78*	
05 12 23 00-0699	LF	2" x 2" x 0.12" Square Steel Tubing	15.69	3.96
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.10*	
		For 304 Stainless Steel, Add	*29.67*	
		For 316 Stainless Steel, Add	*33.31*	
		For Aluminum, Add	*1.87*	
		For Galvanized Steel, Add	*6.45*	
05 12 23 00-0700		**1/8" Wall Thickness** *(05 12 23 00-0682)*		
05 12 23 00-0701	LF	2" x 2" x 1/8" Square Steel Tubing	14.15	4.11
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000, Deduct	*-1.96*	
		For 304 Stainless Steel, Add	*24.71*	
		For 316 Stainless Steel, Add	*27.74*	
		For Aluminum, Add	*1.56*	
		For Galvanized Steel, Add	*5.38*	
05 12 23 00-0702	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing	18.65	5.21
		For >100 To 250, Deduct	*-0.81*	
		For >250 To 500, Deduct	*-1.28*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000, Deduct	*-2.56*	
		For 304 Stainless Steel, Add	*33.37*	
		For 316 Stainless Steel, Add	*37.47*	
		For Aluminum, Add	*2.11*	
		For Galvanized Steel, Add	*7.26*	
05 12 23 00-0703	LF	3" x 3" x 1/8" Square Steel Tubing	21.88	6.30
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.51*	
		For >500 To 1,000, Deduct	*-2.27*	
		For >1,000, Deduct	*-3.03*	
		For 304 Stainless Steel, Add	*38.39*	
		For 316 Stainless Steel, Add	*43.10*	
		For Aluminum, Add	*2.42*	
		For Galvanized Steel, Add	*8.35*	
05 12 23 00-0704	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing	25.36	7.40
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.76*	
		For >500 To 1,000, Deduct	*-2.64*	
		For >1,000, Deduct	*-3.52*	
		For 304 Stainless Steel, Add	*44.15*	
		For 316 Stainless Steel, Add	*49.57*	
		For Aluminum, Add	*2.79*	
		For Galvanized Steel, Add	*9.60*	
05 12 23 00-0705	LF	4" x 4" x 1/8" Square Steel Tubing	27.96	8.50
		For >100 To 250, Deduct	*-1.27*	
		For >250 To 500, Deduct	*-1.96*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-3.93*	
		For 304 Stainless Steel, Add	*47.40*	
		For 316 Stainless Steel, Add	*53.22*	
		For Aluminum, Add	*2.99*	
		For Galvanized Steel, Add	*10.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0706		3/16" Wall Thickness *(05 12 23 00-0682)*		
05 12 23 00-0707	LF	2" x 2" x 3/16" Square Steel Tubing	16.05	4.64
		For >100 To 250, Deduct	*-0.71*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.67*	
		For >1,000, Deduct	*-2.22*	
		For 304 Stainless Steel, Add	*28.13*	
		For 316 Stainless Steel, Add	*31.58*	
		For Aluminum, Add	*1.78*	
		For Galvanized Steel, Add	*6.12*	
05 12 23 00-0708	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing	20.78	6.00
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.88*	
		For 304 Stainless Steel, Add	*36.39*	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	
05 12 23 00-0709	LF	3" x 3" x 3/16" Square Steel Tubing	25.53	7.38
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.65*	
		For >1,000, Deduct	*-3.54*	
		For 304 Stainless Steel, Add	*44.72*	
		For 316 Stainless Steel, Add	*50.21*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.73*	
05 12 23 00-0710	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing	30.29	8.75
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.20*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0711	LF	4" x 4" x 3/16" Square Steel Tubing	35.00	10.11
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-4.85*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0712	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing	39.76	11.49
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-5.51*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0713	LF	5" x 5" x 3/16" Square Steel Tubing	44.49	12.85
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-6.16*	
		For 304 Stainless Steel, Add	*77.95*	
		For 316 Stainless Steel, Add	*87.52*	
		For Aluminum, Add	*4.92*	
		For Galvanized Steel, Add	*16.96*	
05 12 23 00-0714	LF	6" x 6" x 3/16" Square Steel Tubing	54.00	15.60
		For >100 To 250, Deduct	*-2.39*	
		For >250 To 500, Deduct	*-3.74*	
		For >500 To 1,000, Deduct	*-5.61*	
		For >1,000, Deduct	*-7.48*	
		For 304 Stainless Steel, Add	*94.59*	
		For 316 Stainless Steel, Add	*106.21*	
		For Aluminum, Add	*5.97*	
		For Galvanized Steel, Add	*20.58*	
05 12 23 00-0715		1/4" Wall Thickness *(05 12 23 00-0682)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0716	LF	2" x 2" x 1/4" Square Steel Tubing	17.10	4.64
		For >100 To 250, Deduct	*-0.74*	
		For >250 To 500, Deduct	*-1.16*	
		For >500 To 1,000, Deduct	*-1.75*	
		For >1,000, Deduct	*-2.33*	
		For 304 Stainless Steel, Add	*31.09*	
		For 316 Stainless Steel, Add	*34.91*	
		For Aluminum, Add	*1.96*	
		For Galvanized Steel, Add	*6.76*	
05 12 23 00-0717	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing	22.49	6.10
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.06*	
		For 304 Stainless Steel, Add	*40.87*	
		For 316 Stainless Steel, Add	*45.89*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.89*	
05 12 23 00-0718	LF	3" x 3" x 1/4" Square Steel Tubing	27.85	7.56
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.90*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-3.79*	
		For 304 Stainless Steel, Add	*50.62*	
		For 316 Stainless Steel, Add	*56.83*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
05 12 23 00-0719	LF	3-1/2" x 3-1/2" x 1/4" Square Steel Tubing	33.22	9.02
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	
05 12 23 00-0720	LF	4" x 4" x 1/4" Square Steel Tubing	38.61	10.49
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0721	LF	4-1/2" x 4-1/2" x 1/4" Square Steel Tubing	43.98	11.95
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0722	LF	5" x 5" x 1/4" Square Steel Tubing	49.38	13.41
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.36*	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000, Deduct	*-6.73*	
		For 304 Stainless Steel, Add	*89.75*	
		For 316 Stainless Steel, Add	*100.77*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.52*	
05 12 23 00-0723	LF	6" x 6" x 1/4" Square Steel Tubing	60.13	16.33
		For >100 To 250, Deduct	*-2.59*	
		For >250 To 500, Deduct	*-4.10*	
		For >500 To 1,000, Deduct	*-6.14*	
		For >1,000, Deduct	*-8.19*	
		For 304 Stainless Steel, Add	*109.30*	
		For 316 Stainless Steel, Add	*122.72*	
		For Aluminum, Add	*6.90*	
		For Galvanized Steel, Add	*23.78*	

05 12 23 00-0724 Rectangular Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0725 3/16" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0726	LF	3" x 2" x 3/16" Square Steel Tubing	20.78	6.00
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.44*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-2.88*	
		For 304 Stainless Steel, Add	*36.39*	
		For 316 Stainless Steel, Add	*40.86*	
		For Aluminum, Add	*2.30*	
		For Galvanized Steel, Add	*7.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0727	LF	4" x 2" x 3/16" Square Steel Tubing	25.53	7.38
		For >100 To 250, Deduct	*-1.13*	
		For >250 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-2.65*	
		For >1,000, Deduct	*-3.54*	
		For 304 Stainless Steel, Add	*44.72*	
		For 316 Stainless Steel, Add	*50.21*	
		For Aluminum, Add	*2.82*	
		For Galvanized Steel, Add	*9.73*	
05 12 23 00-0728	LF	4" x 3" x 3/16" Square Steel Tubing	30.29	8.75
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.20*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0729	LF	5" x 2" x 3/16" Square Steel Tubing	30.29	8.75
		For >100 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.10*	
		For >500 To 1,000, Deduct	*-3.15*	
		For >1,000, Deduct	*-4.20*	
		For 304 Stainless Steel, Add	*53.07*	
		For 316 Stainless Steel, Add	*59.58*	
		For Aluminum, Add	*3.35*	
		For Galvanized Steel, Add	*11.54*	
05 12 23 00-0730	LF	5" x 3" x 3/16" Square Steel Tubing	35.00	10.11
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-4.85*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0731	LF	5" x 4" x 3/16" Square Steel Tubing	39.76	11.49
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-5.51*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0732	LF	6" x 2" x 3/16" Square Steel Tubing	35.00	10.11
		For >100 To 250, Deduct	*-1.55*	
		For >250 To 500, Deduct	*-2.42*	
		For >500 To 1,000, Deduct	*-3.64*	
		For >1,000, Deduct	*-4.85*	
		For 304 Stainless Steel, Add	*61.33*	
		For 316 Stainless Steel, Add	*68.86*	
		For Aluminum, Add	*3.87*	
		For Galvanized Steel, Add	*13.34*	
05 12 23 00-0733	LF	6" x 3" x 3/16" Square Steel Tubing	39.76	11.49
		For >100 To 250, Deduct	*-1.76*	
		For >250 To 500, Deduct	*-2.75*	
		For >500 To 1,000, Deduct	*-4.13*	
		For >1,000, Deduct	*-5.51*	
		For 304 Stainless Steel, Add	*69.65*	
		For 316 Stainless Steel, Add	*78.21*	
		For Aluminum, Add	*4.40*	
		For Galvanized Steel, Add	*15.15*	
05 12 23 00-0734	LF	6" x 4" x 3/16" Square Steel Tubing	44.49	12.85
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.08*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-6.16*	
		For 304 Stainless Steel, Add	*77.95*	
		For 316 Stainless Steel, Add	*87.52*	
		For Aluminum, Add	*4.92*	
		For Galvanized Steel, Add	*16.96*	

05 12 23 00-0735 1/4" Wall Thickness *(05 12 23 00-0724)*

05 12 23 00-0736	LF	3" x 2" x 1/4" Square Steel Tubing	22.49	6.10
		For >100 To 250, Deduct	*-0.97*	
		For >250 To 500, Deduct	*-1.53*	
		For >500 To 1,000, Deduct	*-2.30*	
		For >1,000, Deduct	*-3.06*	
		For 304 Stainless Steel, Add	*40.87*	
		For 316 Stainless Steel, Add	*45.89*	
		For Aluminum, Add	*2.58*	
		For Galvanized Steel, Add	*8.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0737	LF	4" x 2" x 1/4" Square Steel Tubing	27.85	7.56
		For >100 To 250, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-1.90*	
		For >500 To 1,000, Deduct	*-2.85*	
		For >1,000, Deduct	*-3.79*	
		For 304 Stainless Steel, Add	*50.62*	
		For 316 Stainless Steel, Add	*56.83*	
		For Aluminum, Add	*3.20*	
		For Galvanized Steel, Add	*11.01*	
05 12 23 00-0738	LF	4" x 3" x 1/4" Square Steel Tubing	33.22	9.02
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	
05 12 23 00-0739	LF	5" x 2" x 1/4" Square Steel Tubing	33.22	9.02
		For >100 To 250, Deduct	*-1.43*	
		For >250 To 500, Deduct	*-2.26*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000, Deduct	*-4.53*	
		For 304 Stainless Steel, Add	*60.39*	
		For 316 Stainless Steel, Add	*67.81*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.14*	
05 12 23 00-0740	LF	5" x 3" x 1/4" Square Steel Tubing	38.61	10.49
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0741	LF	5" x 4" x 1/4" Square Steel Tubing	43.98	11.95
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0742	LF	6" x 2" x 1/4" Square Steel Tubing	38.61	10.49
		For >100 To 250, Deduct	*-1.66*	
		For >250 To 500, Deduct	*-2.63*	
		For >500 To 1,000, Deduct	*-3.95*	
		For >1,000, Deduct	*-5.26*	
		For 304 Stainless Steel, Add	*70.17*	
		For 316 Stainless Steel, Add	*78.78*	
		For Aluminum, Add	*4.43*	
		For Galvanized Steel, Add	*15.26*	
05 12 23 00-0743	LF	6" x 3" x 1/4" Square Steel Tubing	43.98	11.95
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 500, Deduct	*-3.00*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000, Deduct	*-5.99*	
		For 304 Stainless Steel, Add	*79.94*	
		For 316 Stainless Steel, Add	*89.76*	
		For Aluminum, Add	*5.05*	
		For Galvanized Steel, Add	*17.39*	
05 12 23 00-0744	LF	6" x 4" x 1/4" Square Steel Tubing	49.38	13.41
		For >100 To 250, Deduct	*-2.13*	
		For >250 To 500, Deduct	*-3.36*	
		For >500 To 1,000, Deduct	*-5.05*	
		For >1,000, Deduct	*-6.73*	
		For 304 Stainless Steel, Add	*89.75*	
		For 316 Stainless Steel, Add	*100.77*	
		For Aluminum, Add	*5.67*	
		For Galvanized Steel, Add	*19.52*	

05 12 23 00-0745 Round Steel Tubing *(05 12 23 00-0681)*

05 12 23 00-0746 0.065" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0747	LF	1" Diameter x 0.065" Round Steel Tubing	4.56	1.12
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.45*	
		For >1,000, Deduct	*-0.61*	
		For 304 Stainless Steel, Add	*8.75*	
		For 316 Stainless Steel, Add	*9.82*	
		For Aluminum, Add	*0.55*	
		For Galvanized Steel, Add	*1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0748	LF	1-1/4" Diameter x 0.065" Round Steel Tubing	5.77	1.41
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000, Deduct	*-0.77*	
		For 304 Stainless Steel, Add	*11.09*	
		For 316 Stainless Steel, Add	*12.45*	
		For Aluminum, Add	*0.70*	
		For Galvanized Steel, Add	*2.41*	
05 12 23 00-0749	LF	1-1/2" Diameter x 0.065" Round Steel Tubing	6.99	1.71
		For >100 To 250, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000, Deduct	*-0.93*	
		For 304 Stainless Steel, Add	*13.40*	
		For 316 Stainless Steel, Add	*15.04*	
		For Aluminum, Add	*0.85*	
		For Galvanized Steel, Add	*2.91*	
05 12 23 00-0750	LF	2" Diameter x 0.065" Round Steel Tubing	9.41	2.31
		For >100 To 250, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-0.94*	
		For >1,000, Deduct	*-1.25*	
		For 304 Stainless Steel, Add	*18.07*	
		For 316 Stainless Steel, Add	*20.29*	
		For Aluminum, Add	*1.14*	
		For Galvanized Steel, Add	*3.93*	
05 12 23 00-0751	LF	2-1/2" Diameter x 0.065" Round Steel Tubing	11.85	2.90
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.79*	
		For >500 To 1,000, Deduct	*-1.18*	
		For >1,000, Deduct	*-1.57*	
		For 304 Stainless Steel, Add	*22.74*	
		For 316 Stainless Steel, Add	*25.54*	
		For Aluminum, Add	*1.44*	
		For Galvanized Steel, Add	*4.95*	
05 12 23 00-0752	LF	3" Diameter x 0.065" Round Steel Tubing	14.28	3.50
		For >100 To 250, Deduct	*-0.59*	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.42*	
		For >1,000, Deduct	*-1.89*	
		For 304 Stainless Steel, Add	*27.42*	
		For 316 Stainless Steel, Add	*30.78*	
		For Aluminum, Add	*1.73*	
		For Galvanized Steel, Add	*5.96*	
05 12 23 00-0753	LF	3-1/2" Diameter x 0.065" Round Steel Tubing	16.72	4.10
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 1,000, Deduct	*-1.66*	
		For >1,000, Deduct	*-2.22*	
		For 304 Stainless Steel, Add	*32.09*	
		For 316 Stainless Steel, Add	*36.03*	
		For Aluminum, Add	*2.03*	
		For Galvanized Steel, Add	*6.98*	
05 12 23 00-0754	LF	4" Diameter x 0.065" Round Steel Tubing	19.15	4.69
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.27*	
		For >500 To 1,000, Deduct	*-1.91*	
		For >1,000, Deduct	*-2.54*	
		For 304 Stainless Steel, Add	*36.77*	
		For 316 Stainless Steel, Add	*41.28*	
		For Aluminum, Add	*2.32*	
		For Galvanized Steel, Add	*8.00*	

05 12 23 00-0755 0.083" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0756	LF	1" Diameter x 0.083" Round Steel Tubing	4.95	1.22
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.49*	
		For >1,000, Deduct	*-0.66*	
		For 304 Stainless Steel, Add	*9.46*	
		For 316 Stainless Steel, Add	*10.62*	
		For Aluminum, Add	*0.60*	
		For Galvanized Steel, Add	*2.06*	
05 12 23 00-0757	LF	1-1/4" Diameter x 0.083" Round Steel Tubing	6.29	1.55
		For >100 To 250, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.42*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000, Deduct	*-0.84*	
		For 304 Stainless Steel, Add	*12.03*	
		For 316 Stainless Steel, Add	*13.50*	
		For Aluminum, Add	*0.76*	
		For Galvanized Steel, Add	*2.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0758	LF	1-1/2" Diameter x 0.083" Round Steel Tubing	7.64	1.88
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.51*	
		For >500 To 1,000, Deduct	*-0.76*	
		For >1,000, Deduct	*-1.02*	
		For 304 Stainless Steel, Add	*14.59*	
		For 316 Stainless Steel, Add	*16.38*	
		For Aluminum, Add	*0.92*	
		For Galvanized Steel, Add	*3.17*	
05 12 23 00-0759	LF	2" Diameter x 0.083" Round Steel Tubing	10.33	2.56
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000, Deduct	*-1.37*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.18*	
		For Aluminum, Add	*1.25*	
		For Galvanized Steel, Add	*4.30*	
05 12 23 00-0760	LF	2-1/2" Diameter x 0.083" Round Steel Tubing	13.04	3.22
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-0.87*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000, Deduct	*-1.73*	
		For 304 Stainless Steel, Add	*24.91*	
		For 316 Stainless Steel, Add	*27.97*	
		For Aluminum, Add	*1.57*	
		For Galvanized Steel, Add	*5.42*	
05 12 23 00-0761	LF	3" Diameter x 0.083" Round Steel Tubing	15.74	3.89
		For >100 To 250, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-1.57*	
		For >1,000, Deduct	*-2.09*	
		For 304 Stainless Steel, Add	*30.07*	
		For 316 Stainless Steel, Add	*33.76*	
		For Aluminum, Add	*1.90*	
		For Galvanized Steel, Add	*6.54*	
05 12 23 00-0762	LF	3-1/2" Diameter x 0.083" Round Steel Tubing	18.43	4.55
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.23*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000, Deduct	*-2.45*	
		For 304 Stainless Steel, Add	*35.23*	
		For 316 Stainless Steel, Add	*39.55*	
		For Aluminum, Add	*2.22*	
		For Galvanized Steel, Add	*7.66*	
05 12 23 00-0763	LF	4" Diameter x 0.083" Round Steel Tubing	21.12	5.22
		For >100 To 250, Deduct	*-0.88*	
		For >250 To 500, Deduct	*-1.40*	
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000, Deduct	*-2.81*	
		For 304 Stainless Steel, Add	*40.36*	
		For 316 Stainless Steel, Add	*45.31*	
		For Aluminum, Add	*2.55*	
		For Galvanized Steel, Add	*8.78*	

05 12 23 00-0764 0.125" Wall Thickness *(05 12 23 00-0745)*

05 12 23 00-0765	LF	2" Diameter x 0.125" Round Steel Tubing	11.10	3.22
		For >100 To 250, Deduct	*-0.49*	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000, Deduct	*-1.54*	
		For 304 Stainless Steel, Add	*19.38*	
		For 316 Stainless Steel, Add	*21.76*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.22*	
05 12 23 00-0766	LF	2-1/2" Diameter x 0.125" Round Steel Tubing	14.07	4.09
		For >100 To 250, Deduct	*-0.62*	
		For >250 To 500, Deduct	*-0.98*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000, Deduct	*-1.95*	
		For 304 Stainless Steel, Add	*24.57*	
		For 316 Stainless Steel, Add	*27.58*	
		For Aluminum, Add	*1.55*	
		For Galvanized Steel, Add	*5.34*	
05 12 23 00-0767	LF	3" Diameter x 0.125" Round Steel Tubing	17.03	4.94
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.18*	
		For >500 To 1,000, Deduct	*-1.77*	
		For >1,000, Deduct	*-2.36*	
		For 304 Stainless Steel, Add	*29.73*	
		For 316 Stainless Steel, Add	*33.38*	
		For Aluminum, Add	*1.88*	
		For Galvanized Steel, Add	*6.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0768	LF	3-1/2" Diameter x 0.125" Round Steel Tubing	19.99	5.81
		For >100 To 250, Deduct	*-0.89*	
		For >250 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-2.77*	
		For 304 Stainless Steel, Add	*34.91*	
		For 316 Stainless Steel, Add	*39.20*	
		For Aluminum, Add	*2.21*	
		For Galvanized Steel, Add	*7.60*	
05 12 23 00-0769	LF	4" Diameter x 0.125" Round Steel Tubing	22.95	6.67
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.18*	
		For 304 Stainless Steel, Add	*40.07*	
		For 316 Stainless Steel, Add	*44.99*	
		For Aluminum, Add	*2.53*	
		For Galvanized Steel, Add	*8.72*	

05 12 23 00-0770 Flat Steel Bar *(05 12 23 00-0422)*

05 12 23 00-0771 1/8" Thick *(05 12 23 00-0770)*

05 12 23 00-0772	LF	1/8" Thick x 1" Wide Flat Steel Bar	3.43	1.60
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
05 12 23 00-0773	LF	1/8" Thick x 2" Wide Flat Steel Bar	5.31	2.41
		For 304 Stainless Steel, Add	*4.85*	
		For 316 Stainless Steel, Add	*5.44*	
		For Aluminum, Add	*0.31*	
		For Galvanized Steel, Add	*1.05*	
05 12 23 00-0774	LF	1/8" Thick x 4" Wide Flat Steel Bar	8.18	3.39
		For 304 Stainless Steel, Add	*8.81*	
		For 316 Stainless Steel, Add	*9.89*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0775	LF	1/8" Thick x 6" Wide Flat Steel Bar	11.08	4.60
		For 304 Stainless Steel, Add	*11.88*	
		For 316 Stainless Steel, Add	*13.34*	
		For Aluminum, Add	*0.75*	
		For Galvanized Steel, Add	*2.59*	

05 12 23 00-0776 3/16" Thick *(05 12 23 00-0770)*

05 12 23 00-0777	LF	3/16" Thick x 1" Wide Flat Steel Bar	4.54	1.99
		For 304 Stainless Steel, Add	*4.42*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
05 12 23 00-0778	LF	3/16" Thick x 2" Wide Flat Steel Bar	7.17	2.99
		For 304 Stainless Steel, Add	*7.64*	
		For 316 Stainless Steel, Add	*8.58*	
		For Aluminum, Add	*0.48*	
		For Galvanized Steel, Add	*1.66*	
05 12 23 00-0779	LF	3/16" Thick x 4" Wide Flat Steel Bar	9.68	3.43
		For 304 Stainless Steel, Add	*12.88*	
		For 316 Stainless Steel, Add	*14.46*	
		For Aluminum, Add	*0.81*	
		For Galvanized Steel, Add	*2.80*	
05 12 23 00-0780	LF	3/16" Thick x 6" Wide Flat Steel Bar	13.40	4.76
		For 304 Stainless Steel, Add	*17.81*	
		For 316 Stainless Steel, Add	*20.00*	
		For Aluminum, Add	*1.13*	
		For Galvanized Steel, Add	*3.88*	

05 12 23 00-0781 1/4" Thick *(05 12 23 00-0770)*

05 12 23 00-0782	LF	1/4" Thick x 1" Wide Flat Steel Bar	4.69	2.10
		For 304 Stainless Steel, Add	*4.36*	
		For 316 Stainless Steel, Add	*4.90*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.95*	
05 12 23 00-0783	LF	1/4" Thick x 2" Wide Flat Steel Bar	7.84	3.16
		For 304 Stainless Steel, Add	*8.84*	
		For 316 Stainless Steel, Add	*9.92*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0784	LF	1/4" Thick x 4" Wide Flat Steel Bar	11.43	3.61
		For 304 Stainless Steel, Add	*17.13*	
		For 316 Stainless Steel, Add	*19.23*	
		For Aluminum, Add	*1.08*	
		For Galvanized Steel, Add	*3.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0785	LF	1/4" Thick x 6" Wide Flat Steel Bar	16.53	5.34
		For 304 Stainless Steel, Add	*24.25*	
		For 316 Stainless Steel, Add	*27.23*	
		For Aluminum, Add	*1.53*	
		For Galvanized Steel, Add	*5.28*	
05 12 23 00-0786		3/8" Thick *(05 12 23 00-0770)*		
05 12 23 00-0787	LF	3/8" Thick x 1" Wide Flat Steel Bar	5.97	2.37
		For 304 Stainless Steel, Add	*6.87*	
		For 316 Stainless Steel, Add	*7.71*	
		For Aluminum, Add	*0.43*	
		For Galvanized Steel, Add	*1.49*	
05 12 23 00-0788	LF	3/8" Thick x 2" Wide Flat Steel Bar	9.78	3.55
		For 304 Stainless Steel, Add	*12.65*	
		For 316 Stainless Steel, Add	*14.21*	
		For Aluminum, Add	*0.80*	
		For Galvanized Steel, Add	*2.75*	
05 12 23 00-0789	LF	3/8" Thick x 4" Wide Flat Steel Bar	14.98	4.06
		For 304 Stainless Steel, Add	*25.34*	
		For 316 Stainless Steel, Add	*28.45*	
		For Aluminum, Add	*1.60*	
		For Galvanized Steel, Add	*5.51*	
05 12 23 00-0790	LF	3/8" Thick x 6" Wide Flat Steel Bar	21.52	6.00
		For 304 Stainless Steel, Add	*35.63*	
		For 316 Stainless Steel, Add	*40.00*	
		For Aluminum, Add	*2.25*	
		For Galvanized Steel, Add	*7.75*	
05 12 23 00-0791		1/2" Thick *(05 12 23 00-0770)*		
05 12 23 00-0792	LF	1/2" Thick x 1" Wide Flat Steel Bar	7.01	2.60
		For 304 Stainless Steel, Add	*8.81*	
		For 316 Stainless Steel, Add	*9.89*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
05 12 23 00-0793	LF	1/2" Thick x 2" Wide Flat Steel Bar	11.54	3.92
		For 304 Stainless Steel, Add	*16.16*	
		For 316 Stainless Steel, Add	*18.14*	
		For Aluminum, Add	*1.02*	
		For Galvanized Steel, Add	*3.52*	
05 12 23 00-0794	LF	1/2" Thick x 4" Wide Flat Steel Bar	16.36	4.45
		For 304 Stainless Steel, Add	*27.53*	
		For 316 Stainless Steel, Add	*30.91*	
		For Aluminum, Add	*1.74*	
		For Galvanized Steel, Add	*5.99*	
05 12 23 00-0795	LF	1/2" Thick x 6" Wide Flat Steel Bar	29.19	6.61
		For 304 Stainless Steel, Add	*54.92*	
		For 316 Stainless Steel, Add	*61.66*	
		For Aluminum, Add	*3.47*	
		For Galvanized Steel, Add	*11.95*	
05 12 23 00-0796		Flat Steel Plate *(05 12 23 00-0422)*		
05 12 23 00-0797	SF	1/8" Thick Flat Steel Plate	17.63	6.91
		For 304 Stainless Steel, Add	*20.72*	
		For 316 Stainless Steel, Add	*23.26*	
		For Aluminum, Add	*1.31*	
		For Galvanized Steel, Add	*4.51*	
05 12 23 00-0798	SF	3/16" Thick Flat Steel Plate	19.84	7.15
		For 304 Stainless Steel, Add	*25.94*	
		For 316 Stainless Steel, Add	*29.12*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.64*	
05 12 23 00-0799	SF	1/4" Thick Flat Steel Plate	23.62	8.01
		For 304 Stainless Steel, Add	*33.06*	
		For 316 Stainless Steel, Add	*37.12*	
		For Aluminum, Add	*2.09*	
		For Galvanized Steel, Add	*7.19*	
05 12 23 00-0800	SF	3/8" Thick Flat Steel Plate	31.73	9.01
		For 304 Stainless Steel, Add	*51.90*	
		For 316 Stainless Steel, Add	*58.27*	
		For Aluminum, Add	*3.28*	
		For Galvanized Steel, Add	*11.29*	
05 12 23 00-0801	SF	1/2" Thick Flat Steel Plate	37.55	9.91
		For 304 Stainless Steel, Add	*64.64*	
		For 316 Stainless Steel, Add	*72.58*	
		For Aluminum, Add	*4.08*	
		For Galvanized Steel, Add	*14.06*	
05 12 23 00-0802	SF	3/4" Thick Flat Steel Plate	61.14	12.28
		For 304 Stainless Steel, Add	*121.24*	
		For 316 Stainless Steel, Add	*136.13*	
		For Aluminum, Add	*7.66*	
		For Galvanized Steel, Add	*26.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0803	SF	1" Thick Flat Steel Plate	81.48	15.35
		For 304 Stainless Steel, Add	*165.98*	
		For 316 Stainless Steel, Add	*186.37*	
		For Aluminum, Add	*10.48*	
		For Galvanized Steel, Add	*36.11*	

05 12 33 Structural Steel for Bridges *(05 12)*

See CSI section 05 12 23 00-0000 for structural steel, 34 05 43 00-0408 for bridge girder repair.

05 13 Structural Stainless-Steel Framing *(05 10)*

05 13 00 00-0001 Stainless Steel Tube *(05 13)*

05 13 00 00-0002	LF	1" x 1" Stainless Steel Tube	38.10	
05 13 00 00-0003	LF	1-1/2" x 1-1/2" Stainless Steel Tube	49.45	
05 13 00 00-0004	LF	2" x 2" Stainless Steel Tube	67.49	

05 14 Structural Aluminum Framing *(05 10)*

05 14 13 Architecturally-Exposed Structural Aluminum Framing *(05 14)*

05 14 13 00-0001 Rolled Or Plate Shapes *(05 14 13)*

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 Lb. / Order 1" To 10" Rolled / Plate Structural Members	9.32	0.93
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 Lb. / Order 1" To 10" Rolled / Plate Structural Members	8.21	0.86

05 14 13 00-0004 Aluminum Extrusions *(05 14 13)*

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members	15.31	3.84
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members	16.20	3.84

05 14 13 00-0007 Aluminum Tubing *(05 14 13)*

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members	13.66	2.35
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness	12.37	3.82
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness	14.93	4.17
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness	17.15	4.85
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness	20.36	5.22
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness	58.92	6.61
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness	48.28	5.91

05 14 13 00-0015 Columns *(05 14 13)*

Note: Baked on paint finish, load bearing.

05 14 13 00-0016 Round Columns *(05 14 13 00-0015)*

05 14 13 00-0017	LF	6" Diameter Aluminum Column	54.30	7.44
05 14 13 00-0018	LF	8" Diameter Aluminum Column	72.21	10.66
05 14 13 00-0019	LF	10" Diameter Aluminum Column	88.19	11.99
05 14 13 00-0020	LF	12" Diameter Aluminum Column	132.78	12.55
05 14 13 00-0021	LF	15" Diameter Aluminum Column	169.58	14.55
05 14 13 00-0022	EA	6" Diameter Aluminum Base And Cap	105.56	13.88
05 14 13 00-0023	EA	8" Diameter Aluminum Base And Cap	120.89	14.99
05 14 13 00-0024	EA	10" Diameter Aluminum Base And Cap	152.81	16.66
05 14 13 00-0025	EA	12" Diameter Aluminum Base And Cap	265.15	17.77
05 14 13 00-0026	EA	15" Diameter Aluminum Base And Cap	406.73	19.44

05 14 13 00-0027 Octagonal Columns *(05 14 13 00-0015)*

05 14 13 00-0028	LF	6" Diameter Aluminum Column	60.59	7.44
05 14 13 00-0029	LF	8" Diameter Aluminum Column	82.38	10.66
05 14 13 00-0030	LF	10" Diameter Aluminum Column	101.03	11.99
05 14 13 00-0031	LF	12" Diameter Aluminum Column	154.33	12.55
05 14 13 00-0032	LF	15" Diameter Aluminum Column	197.69	14.55
05 14 13 00-0033	EA	6" Diameter Aluminum Base And Cap	121.11	13.88
05 14 13 00-0034	EA	8" Diameter Aluminum Base And Cap	139.07	14.99
05 14 13 00-0035	EA	10" Diameter Aluminum Base And Cap	176.71	16.66
05 14 13 00-0036	EA	12" Diameter Aluminum Base And Cap	311.07	17.77
05 14 13 00-0037	EA	15" Diameter Aluminum Base And Cap	480.30	19.44

05 14 13 00-0038 Fluted Columns *(05 14 13 00-0015)*

05 14 13 00-0039	LF	6" Diameter Aluminum Column	67.46	7.44
05 14 13 00-0040	LF	8" Diameter Aluminum Column	91.53	10.66
05 14 13 00-0041	LF	10" Diameter Aluminum Column	112.58	11.99
05 14 13 00-0042	LF	12" Diameter Aluminum Column	173.73	12.55
05 14 13 00-0043	LF	15" Diameter Aluminum Column	223.00	14.55
05 14 13 00-0044	EA	6" Diameter Aluminum Base And Cap	135.12	13.88
05 14 13 00-0045	EA	8" Diameter Aluminum Base And Cap	155.43	14.99
05 14 13 00-0046	EA	10" Diameter Aluminum Base And Cap	198.22	16.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 14 13 00-0047	EA	12" Diameter Aluminum Base And Cap	352.40	17.77
05 14 13 00-0048	EA	15" Diameter Aluminum Base And Cap	546.51	19.44
05 14 13 00-0049		Square Columns *(05 14 13 00-0015)*		
05 14 13 00-0050	LF	6" Aluminum Column	72.16	7.44
05 14 13 00-0051	LF	8" Aluminum Column	97.79	10.66
05 14 13 00-0052	LF	10" Aluminum Column	120.49	11.99
05 14 13 00-0053	LF	12" Aluminum Column	187.00	12.55
05 14 13 00-0054	LF	15" Aluminum Column	240.30	14.55
05 14 13 00-0055	EA	6" Aluminum Base And Cap	144.69	13.88
05 14 13 00-0056	EA	8" Aluminum Base And Cap	166.62	14.99
05 14 13 00-0057	EA	10" Aluminum Base And Cap	212.93	16.66
05 14 13 00-0058	EA	12" Aluminum Base And Cap	380.67	17.77
05 14 13 00-0059	EA	15" Aluminum Base And Cap	591.79	19.44
05 14 13 00-0060		Ornamental Or Decorative Cap And Bases *(05 14 13 00-0015)*		
05 14 13 00-0061	EA	8" Corinthian Capital And Base	825.25	16.66
05 14 13 00-0062	EA	10" Corinthian Capital And Base	1,214.92	19.44
05 14 13 00-0063	EA	12" Corinthian Capital And Base	1,922.72	22.21
05 14 13 00-0064	EA	8" Scamozzi Capital And Base	408.98	16.66
05 14 13 00-0065	EA	10" Scamozzi Capital And Base	548.22	19.44
05 14 13 00-0066	EA	12" Scamozzi Capital And Base	1,104.39	22.21

05 15 Wire Rope Assemblies *(05 10)*

05 15 16 Steel Wire Rope Assemblies *(05 15)*

05 15 16 00-0001		6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0002	LF	1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.52	0.11
		For >500, Deduct	*-0.27*	
05 15 16 00-0003	LF	5/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.05	0.11
		For >500, Deduct	*-0.35*	
05 15 16 00-0004	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.44	0.23
		For >500, Deduct	*-0.40*	
05 15 16 00-0005	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.96	0.23
		For >500, Deduct	*-0.47*	
05 15 16 00-0006	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.44	0.34
		For >500, Deduct	*-0.53*	
05 15 16 00-0007	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.22	0.45
		For >500, Deduct	*-0.64*	
05 15 16 00-0008	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.03	0.45
		For >500, Deduct	*-0.76*	
05 15 16 00-0009	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	6.99	0.81
		For >500, Deduct	*-1.04*	
05 15 16 00-0010	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.41	0.92
		For >500, Deduct	*-1.39*	
05 15 16 00-0011	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.73	1.26
		For >500, Deduct	*-1.70*	
05 15 16 00-0012	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	14.51	1.60
		For >500, Deduct	*-2.10*	
05 15 16 00-0013	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	17.69	1.94
		For >500, Deduct	*-2.56*	
05 15 16 00-0014		6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*		
05 15 16 00-0015	LF	1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.78	0.11
		For >500, Deduct	*-0.32*	
05 15 16 00-0016	LF	5/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.32	0.11
		For >500, Deduct	*-0.40*	
05 15 16 00-0017	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.88	0.23
		For >500, Deduct	*-0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0018	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.29	0.23
		For >500, Deduct	*-0.54*	
05 15 16 00-0019	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.93	0.34
		For >500, Deduct	*-0.63*	
05 15 16 00-0020	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.53	0.45
		For >500, Deduct	*-0.70*	
05 15 16 00-0021	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.30	0.45
		For >500, Deduct	*-0.81*	
05 15 16 00-0022	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.78	0.81
		For >500, Deduct	*-1.19*	
05 15 16 00-0023	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.98	0.92
		For >500, Deduct	*-1.51*	
05 15 16 00-0024	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	12.30	1.26
		For >500, Deduct	*-1.82*	
05 15 16 00-0025	LF	1-1/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	15.76	1.60
		For >500, Deduct	*-2.33*	
05 15 16 00-0026	LF	1-1/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	19.16	1.94
		For >500, Deduct	*-2.85*	

05 15 16 00-0027 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0028	LF	1/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.41	0.11
		For >500, Deduct	*-0.24*	
05 15 16 00-0029	LF	5/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	1.93	0.11
		For >500, Deduct	*-0.32*	
05 15 16 00-0030	LF	3/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.30	0.23
		For >500, Deduct	*-0.37*	
05 15 16 00-0031	LF	7/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	2.72	0.23
		For >500, Deduct	*-0.42*	
05 15 16 00-0032	LF	1/2" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	3.28	0.34
		For >500, Deduct	*-0.50*	
05 15 16 00-0033	LF	9/16" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.15	0.45
		For >500, Deduct	*-0.63*	
05 15 16 00-0034	LF	5/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	4.84	0.45
		For >500, Deduct	*-0.72*	
05 15 16 00-0035	LF	3/4" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	6.82	0.81
		For >500, Deduct	*-1.00*	
05 15 16 00-0036	LF	7/8" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	8.38	0.92
		For >500, Deduct	*-1.19*	
05 15 16 00-0037	LF	1" Diameter, 6x19, Fiber Core (FC), Improved Plow Steel (IPS), Bright Finish, Wire Rope	10.65	1.26
		For >500, Deduct	*-1.48*	

05 15 16 00-0038 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope *(05 15 16)*

05 15 16 00-0039	LF	1/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.40	0.11
		For >500, Deduct	*-0.24*	
05 15 16 00-0040	LF	5/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	1.86	0.11
		For >500, Deduct	*-0.31*	
05 15 16 00-0041	LF	3/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.30	0.23
		For >500, Deduct	*-0.37*	
05 15 16 00-0042	LF	7/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	2.72	0.23
		For >500, Deduct	*-0.42*	
05 15 16 00-0043	LF	1/2" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	3.42	0.34
		For >500, Deduct	*-0.53*	
05 15 16 00-0044	LF	9/16" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	4.08	0.45
		For >500, Deduct	*-0.61*	
05 15 16 00-0045	LF	5/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	5.10	0.45
		For >500, Deduct	*-0.77*	
05 15 16 00-0046	LF	3/4" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	7.13	0.81
		For >500, Deduct	*-1.06*	
05 15 16 00-0047	LF	7/8" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	9.34	0.92
		For >500, Deduct	*-1.38*	
05 15 16 00-0048	LF	1" Diameter, 6x37, Fiber Core (FC), Extra Improved Plow Steel (EIPS), Bright Finish, Wire Rope	11.53	1.26
		For >500, Deduct	*-1.67*	

05 15 16 00-0049 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0050	LF	3/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.60	0.23
		For >500, Deduct	*-0.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0051	LF	7/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.07	0.23
		For >500, Deduct	*-0.49*	
05 15 16 00-0052	LF	1/2" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.60	0.34
		For >500, Deduct	*-0.56*	
05 15 16 00-0053	LF	9/16" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	4.83	0.45
		For >500, Deduct	*-0.76*	
05 15 16 00-0054	LF	5/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.33	0.45
		For >500, Deduct	*-0.82*	
05 15 16 00-0055	LF	3/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.29	0.81
		For >500, Deduct	*-1.10*	
05 15 16 00-0056	LF	7/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.37	0.92
		For >500, Deduct	*-1.38*	
05 15 16 00-0057	LF	1" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.35	1.26
		For >500, Deduct	*-1.82*	
05 15 16 00-0058	LF	1-1/8" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	14.97	1.60
		For >500, Deduct	*-2.19*	
05 15 16 00-0059	LF	1-1/4" Diameter, 6x19, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	18.07	1.94
		For >500, Deduct	*-2.63*	

05 15 16 00-0060 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope *(05 15 16)*

05 15 16 00-0061	LF	3/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	2.67	0.23
		For >500, Deduct	*-0.45*	
05 15 16 00-0062	LF	7/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.24	0.23
		For >500, Deduct	*-0.53*	
05 15 16 00-0063	LF	1/2" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	3.84	0.34
		For >500, Deduct	*-0.61*	
05 15 16 00-0064	LF	9/16" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.35	0.45
		For >500, Deduct	*-0.87*	
05 15 16 00-0065	LF	5/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	5.42	0.45
		For >500, Deduct	*-0.84*	
05 15 16 00-0066	LF	3/4" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	7.46	0.81
		For >500, Deduct	*-1.13*	
05 15 16 00-0067	LF	7/8" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	9.90	0.92
		For >500, Deduct	*-1.49*	
05 15 16 00-0068	LF	1" Diameter, 6x37, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Galvanized Finish, Wire Rope	12.52	1.26
		For >500, Deduct	*-1.86*	

05 15 16 00-0069 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope *(05 15 16)*

05 15 16 00-0070	LF	1/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.73	0.11
		For >500, Deduct	*-0.50*	
05 15 16 00-0071	LF	5/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	2.95	0.11
		For >500, Deduct	*-0.53*	
05 15 16 00-0072	LF	3/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	3.49	0.23
		For >500, Deduct	*-0.61*	
05 15 16 00-0073	LF	7/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	4.69	0.23
		For >500, Deduct	*-0.82*	
05 15 16 00-0074	LF	1/2" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	5.34	0.23
		For >500, Deduct	*-0.95*	
05 15 16 00-0075	LF	9/16" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	6.19	0.45
		For >500, Deduct	*-1.04*	
05 15 16 00-0076	LF	5/8" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	7.37	0.45
		For >500, Deduct	*-1.23*	
05 15 16 00-0077	LF	3/4" Diameter, 19x7, Independent Wire Rope Core (IWRC), Extra Improved Plow Steel (EIPS), Bright Finish, Rotation Resistant Wire Rope	10.16	0.68
		For >500, Deduct	*-1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0078		**7x7, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0079	LF	1/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.32	0.08
		For >500, Deduct	*-0.04*	
05 15 16 00-0080	LF	3/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.36	0.09
		For >500, Deduct	*-0.04*	
05 15 16 00-0081	LF	1/8" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.41	0.10
		For >500, Deduct	*-0.05*	
05 15 16 00-0082	LF	5/32" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.48	0.11
		For >500, Deduct	*-0.06*	
05 15 16 00-0083	LF	3/16" Diameter, 7x7, Galvanized Finish, Aircraft Cable	0.58	0.11
		For >500, Deduct	*-0.07*	
05 15 16 00-0084		**7x19, Galvanized Finish, Aircraft Cable** *(05 15 16)*		
05 15 16 00-0085	LF	1/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.57	0.10
		For >500, Deduct	*-0.08*	
05 15 16 00-0086	LF	5/32" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.62	0.11
		For >500, Deduct	*-0.09*	
05 15 16 00-0087	LF	3/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.70	0.11
		For >500, Deduct	*-0.10*	
05 15 16 00-0088	LF	1/4" Diameter, 7x19, Galvanized Finish, Aircraft Cable	0.82	0.11
		For >500, Deduct	*-0.13*	
05 15 16 00-0089	LF	5/16" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.25	0.11
		For >500, Deduct	*-0.19*	
05 15 16 00-0090	LF	3/8" Diameter, 7x19, Galvanized Finish, Aircraft Cable	1.67	0.11
		For >500, Deduct	*-0.25*	
05 15 16 00-0091		**Heavy-Duty, Galvanized Steel, Wire Rope Thimbles** *(05 15 16)*		
05 15 16 00-0092	EA	1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	14.76	3.43
05 15 16 00-0093	EA	5/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	16.81	3.43
05 15 16 00-0094	EA	3/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	19.08	3.43
05 15 16 00-0095	EA	7/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.31	3.43
05 15 16 00-0096	EA	1/2" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0097	EA	9/16" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	25.35	3.43
05 15 16 00-0098	EA	5/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	27.46	3.43
05 15 16 00-0099	EA	3/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	50.32	5.27
05 15 16 00-0100	EA	7/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	59.34	6.41
05 15 16 00-0101	EA	1" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	105.76	10.53
05 15 16 00-0102	EA	1-1/8" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.94	14.32
05 15 16 00-0103	EA	1-1/4" Diameter, Heavy-Duty, Galvanized Steel, Wire Rope Thimble	151.94	14.32
05 15 16 00-0104		**Galvanized Steel, Wire Rope Clips** *(05 15 16)*		
05 15 16 00-0105	EA	1/8" Diameter, Galvanized Steel, Wire Rope Clip	17.84	3.43
05 15 16 00-0106	EA	3/16" Diameter, Galvanized Steel, Wire Rope Clip	18.23	3.43
05 15 16 00-0107	EA	1/4" Diameter, Galvanized Steel, Wire Rope Clip	20.94	3.43
05 15 16 00-0108	EA	5/16" Diameter, Galvanized Steel, Wire Rope Clip	21.36	3.43
05 15 16 00-0109	EA	3/8" Diameter, Galvanized Steel, Wire Rope Clip	21.97	3.43
05 15 16 00-0110	EA	7/16" Diameter, Galvanized Steel, Wire Rope Clip	27.78	3.43
05 15 16 00-0111	EA	1/2" Diameter, Galvanized Steel, Wire Rope Clip	28.22	3.43
05 15 16 00-0112	EA	9/16" Diameter, Galvanized Steel, Wire Rope Clip	32.41	3.43
05 15 16 00-0113	EA	5/8" Diameter, Galvanized Steel, Wire Rope Clip	33.01	3.43
05 15 16 00-0114	EA	3/4" Diameter, Galvanized Steel, Wire Rope Clip	45.15	4.58
05 15 16 00-0115	EA	7/8" Diameter, Galvanized Steel, Wire Rope Clip	67.43	6.87
05 15 16 00-0116	EA	1" Diameter, Galvanized Steel, Wire Rope Clip	74.27	6.87
05 15 16 00-0117	EA	1-1/8" Diameter, Galvanized Steel, Wire Rope Clip	87.11	9.16
05 15 16 00-0118	EA	1-1/4" Diameter, Galvanized Steel, Wire Rope Clip	126.49	13.75
05 15 16 00-0119		**Steel, Open Swage Sockets** *(05 15 16)*		
05 15 16 00-0120	EA	1/4" Diameter, Steel, Open Swage Socket	101.65	3.43
05 15 16 00-0121	EA	5/16" Diameter, Steel, Open Swage Socket	162.54	3.43
05 15 16 00-0122	EA	3/8" Diameter, Steel, Open Swage Socket	167.07	4.58
05 15 16 00-0123	EA	7/16" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0124	EA	1/2" Diameter, Steel, Open Swage Socket	198.40	5.73
05 15 16 00-0125	EA	9/16" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0126	EA	5/8" Diameter, Steel, Open Swage Socket	288.93	12.60
05 15 16 00-0127	EA	3/4" Diameter, Steel, Open Swage Socket	366.86	24.05
05 15 16 00-0128	EA	7/8" Diameter, Steel, Open Swage Socket	493.30	34.36
05 15 16 00-0129	EA	1" Diameter, Steel, Open Swage Socket	692.94	52.69
05 15 16 00-0130	EA	1-1/8" Diameter, Steel, Open Swage Socket	905.65	82.47
05 15 16 00-0131	EA	1-1/4" Diameter, Steel, Open Swage Socket	1,054.38	95.07
05 15 16 00-0132		**Steel, Closed Swage Sockets** *(05 15 16)*		
05 15 16 00-0133	EA	1/4" Diameter, Steel, Closed Swage Socket	81.58	3.43
05 15 16 00-0134	EA	5/16" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0135	EA	3/8" Diameter, Steel, Closed Swage Socket	110.77	3.43
05 15 16 00-0136	EA	7/16" Diameter, Steel, Closed Swage Socket	137.92	4.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0137	EA	1/2" Diameter, Steel, Closed Swage Socket	139.18	4.58
05 15 16 00-0138	EA	9/16" Diameter, Steel, Closed Swage Socket	190.27	8.02
05 15 16 00-0139	EA	5/8" Diameter, Steel, Closed Swage Socket	195.72	9.16
05 15 16 00-0140	EA	3/4" Diameter, Steel, Closed Swage Socket	241.24	14.89
05 15 16 00-0141	EA	7/8" Diameter, Steel, Closed Swage Socket	310.96	21.76
05 15 16 00-0142	EA	1" Diameter, Steel, Closed Swage Socket	444.83	29.78
05 15 16 00-0143	EA	1-1/8" Diameter, Steel, Closed Swage Socket	550.17	41.23
05 15 16 00-0144	EA	1-1/4" Diameter, Steel, Closed Swage Socket	743.15	64.14

05 15 16 00-0145 Galvanized Steel, Open Spelter Sockets *(05 15 16)*

05 15 16 00-0146	EA	1/4" Galvanized Steel, Open Spelter Socket	170.84	3.43
05 15 16 00-0147	EA	5/16" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0148	EA	3/8" Galvanized Steel, Open Spelter Socket	174.98	3.43
05 15 16 00-0149	EA	7/16" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0150	EA	1/2" Galvanized Steel, Open Spelter Socket	194.67	6.87
05 15 16 00-0151	EA	9/16" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0152	EA	5/8" Galvanized Steel, Open Spelter Socket	254.39	11.45
05 15 16 00-0153	EA	3/4" Galvanized Steel, Open Spelter Socket	321.18	17.18
05 15 16 00-0154	EA	7/8" Galvanized Steel, Open Spelter Socket	479.61	28.63
05 15 16 00-0155	EA	1" Galvanized Steel, Open Spelter Socket	874.97	44.67
05 15 16 00-0156	EA	1-1/8" Galvanized Steel, Open Spelter Socket	1,021.76	72.16
05 15 16 00-0157	EA	1-1/4" Galvanized Steel, Open Spelter Socket	1,381.53	95.07

05 15 16 00-0158 Galvanized Steel, Closed Spelter Sockets *(05 15 16)*

05 15 16 00-0159	EA	1/4" Galvanized Steel, Closed Spelter Socket	143.08	3.43
05 15 16 00-0160	EA	5/16" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0161	EA	3/8" Galvanized Steel, Closed Spelter Socket	143.63	3.43
05 15 16 00-0162	EA	7/16" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0163	EA	1/2" Galvanized Steel, Closed Spelter Socket	160.32	5.73
05 15 16 00-0164	EA	9/16" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0165	EA	5/8" Galvanized Steel, Closed Spelter Socket	223.47	10.31
05 15 16 00-0166	EA	3/4" Galvanized Steel, Closed Spelter Socket	273.05	14.89
05 15 16 00-0167	EA	7/8" Galvanized Steel, Closed Spelter Socket	398.36	22.91
05 15 16 00-0168	EA	1" Galvanized Steel, Closed Spelter Socket	601.17	35.51
05 15 16 00-0169	EA	1-1/8" Galvanized Steel, Closed Spelter Socket	786.69	48.11
05 15 16 00-0170	EA	1-1/4" Galvanized Steel, Closed Spelter Socket	989.95	64.14

05 15 16 00-0171 Forged Steel, Jaw And Jaw Turnbuckles *(05 15 16)*

05 15 16 00-0172	EA	1/4" x 4", Forged Steel, Jaw And Jaw Turnbuckle	98.08	3.43
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-12.99*	
05 15 16 00-0173	EA	5/16" x 4-1/2", Forged Steel, Jaw And Jaw Turnbuckle	105.28	3.43
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-14.07*	
05 15 16 00-0174	EA	3/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	118.63	3.43
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.08*	
05 15 16 00-0175	EA	1/2" x 6", Forged Steel, Jaw And Jaw Turnbuckle	130.75	4.58
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-16.73*	
05 15 16 00-0176	EA	1/2" x 9", Forged Steel, Jaw And Jaw Turnbuckle	172.24	5.73
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-22.26*	
05 15 16 00-0177	EA	1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	195.63	6.87
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-25.20*	
05 15 16 00-0178	EA	5/8" x 6", Forged Steel, Jaw And Jaw Turnbuckle	198.30	9.16
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-24.46*	
05 15 16 00-0179	EA	5/8" x 9", Forged Steel, Jaw And Jaw Turnbuckle	245.98	9.16
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-31.17*	
05 15 16 00-0180	EA	5/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	279.59	10.31
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-35.80*	
05 15 16 00-0181	EA	3/4" x 6", Forged Steel, Jaw And Jaw Turnbuckle	267.25	12.60
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-32.78*	
05 15 16 00-0182	EA	3/4" x 9", Forged Steel, Jaw And Jaw Turnbuckle	303.67	14.89
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-36.51*	
05 15 16 00-0183	EA	3/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	376.11	16.03
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-46.60*	
05 15 16 00-0184	EA	3/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	452.45	19.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-56.02*	
05 15 16 00-0185	EA	7/8" x 12", Forged Steel, Jaw And Jaw Turnbuckle	512.64	27.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-60.53*	
05 15 16 00-0186	EA	7/8" x 18", Forged Steel, Jaw And Jaw Turnbuckle	622.41	32.08
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-74.27*	
05 15 16 00-0187	EA	1" x 6", Forged Steel, Jaw And Jaw Turnbuckle	533.07	27.49
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-63.60*	
05 15 16 00-0188	EA	1" x 12", Forged Steel, Jaw And Jaw Turnbuckle	607.70	35.51
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-69.68*	
05 15 16 00-0189	EA	1" x 18", Forged Steel, Jaw And Jaw Turnbuckle	835.71	44.67
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-98.93*	
05 15 16 00-0190	EA	1" x 24", Forged Steel, Jaw And Jaw Turnbuckle	933.18	52.69
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-108.74*	
05 15 16 00-0191	EA	1-1/4" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,037.06	64.14
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-117.38*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 16 00-0192	EA	1-1/4" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,254.69	72.16
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-145.25*	
05 15 16 00-0193	EA	1-1/4" x 24", Forged Steel, Jaw And Jaw Turnbuckle	1,630.58	82.47
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-195.50*	
05 15 16 00-0194	EA	1-1/2" x 12", Forged Steel, Jaw And Jaw Turnbuckle	1,608.63	88.19
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-188.43*	
05 15 16 00-0195	EA	1-1/2" x 18", Forged Steel, Jaw And Jaw Turnbuckle	1,761.48	114.53
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-195.50*	
05 15 16 00-0196	EA	1-1/2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	3,202.90	148.89
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-394.53*	
05 15 16 00-0197	EA	2" x 24", Forged Steel, Jaw And Jaw Turnbuckle	5,228.08	286.34
		For "Eye And Eye" Or "Hook and Hook" Turnbuckle, Deduct	*-612.41*	

05 15 16 00-0198 Galvanized Steel, Drop Forged, Shoulder Eye Bolts *(05 15 16)*

05 15 16 00-0199	EA	1/4" Diameter Thread, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.75
05 15 16 00-0200	EA	5/16" Diameter Thread, 7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	20.85
05 15 16 00-0201	EA	3/8" Diameter Thread, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	23.56
05 15 16 00-0202	EA	7/16" Diameter Thread, 1-3/32" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	28.17
05 15 16 00-0203	EA	1/2" Diameter Thread, 1-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	28.04
05 15 16 00-0204	EA	5/8" Diameter Thread, 1-3/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	38.48
05 15 16 00-0205	EA	3/4" Diameter Thread, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	46.36
05 15 16 00-0206	EA	7/8" Diameter Thread, 1-11/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	62.81
05 15 16 00-0207	EA	1" Diameter Thread, 1-13/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	84.51
05 15 16 00-0208	EA	1-1/8" Diameter Thread, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	123.26
05 15 16 00-0209	EA	1-1/4" Diameter Thread, 2-3/16" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	146.73
05 15 16 00-0210	EA	1-1/2" Diameter Thread, 2-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	267.38
05 15 16 00-0211	EA	1-3/4" Diameter Thread, 2-7/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	306.73
05 15 16 00-0212	EA	2" Diameter Thread, 3-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Shoulder Eye Bolt	379.54

05 15 16 00-0213 Galvanized Steel, Drop Forged, Eye Bolts *(05 15 16)*

05 15 16 00-0214	EA	1/4" Diameter Thread, 3" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.44
05 15 16 00-0215	EA	1/4" Diameter Thread, 4" Shank Length, 1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	24.70
05 15 16 00-0216	EA	5/16" Diameter Thread, 2-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	33.71
05 15 16 00-0217	EA	5/16" Diameter Thread, 4-1/4" Shank Length, 5/8" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	22.44
05 15 16 00-0218	EA	3/8" Diameter Thread, 2-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	30.50
05 15 16 00-0219	EA	3/8" Diameter Thread, 3" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	46.26
05 15 16 00-0220	EA	3/8" Diameter Thread, 4" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	44.82
05 15 16 00-0221	EA	3/8" Diameter Thread, 4-1/2" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	42.56
05 15 16 00-0222	EA	3/8" Diameter Thread, 5" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	38.09
05 15 16 00-0223	EA	3/8" Diameter Thread, 6" Shank Length, 3/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	39.34
05 15 16 00-0224	EA	1/2" Diameter Thread, 2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	34.66
05 15 16 00-0225	EA	1/2" Diameter Thread, 3" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	27.50
05 15 16 00-0226	EA	1/2" Diameter Thread, 3-1/4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	36.01
05 15 16 00-0227	EA	1/2" Diameter Thread, 4" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	49.40
05 15 16 00-0228	EA	1/2" Diameter Thread, 4-1/2" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	37.35
05 15 16 00-0229	EA	1/2" Diameter Thread, 6" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	60.48
05 15 16 00-0230	EA	1/2" Diameter Thread, 8" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	53.15
05 15 16 00-0231	EA	1/2" Diameter Thread, 10" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	48.42
05 15 16 00-0232	EA	1/2" Diameter Thread, 12" Shank Length, 1" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	57.07
05 15 16 00-0233	EA	5/8" Diameter Thread, 4" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	57.91
05 15 16 00-0234	EA	5/8" Diameter Thread, 4-1/2" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	51.48
05 15 16 00-0235	EA	5/8" Diameter Thread, 6" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	64.94
05 15 16 00-0236	EA	5/8" Diameter Thread, 8" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	74.53
05 15 16 00-0237	EA	5/8" Diameter Thread, 10" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	86.06
05 15 16 00-0238	EA	5/8" Diameter Thread, 12" Shank Length, 1-1/4" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	70.96
05 15 16 00-0239	EA	3/4" Diameter Thread, 4-1/2" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	70.98
05 15 16 00-0240	EA	3/4" Diameter Thread, 6" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	72.39
05 15 16 00-0241	EA	3/4" Diameter Thread, 8" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	80.08
05 15 16 00-0242	EA	3/4" Diameter Thread, 10" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	86.42
05 15 16 00-0243	EA	3/4" Diameter Thread, 12" Shank Length, 1-1/2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	101.12
05 15 16 00-0244	EA	1" Diameter Thread, 8" Shank Length, 2" Inside Eye Diameter, Galvanized Steel, Drop Forged, Eye Bolt	134.10

05 15 19 Stainless Steel Wire Rope Assemblies *(05 15)*

05 15 19 00-0001 7x7, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0002	LF	1/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.27	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0003	LF	3/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.35	0.09
		For >500, Deduct	*-0.04*	
05 15 19 00-0004	LF	1/8" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.46	0.10
		For >500, Deduct	*-0.06*	
05 15 19 00-0005	LF	5/32" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.59	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0006	LF	3/16" Diameter, 7x7, 304 Stainless Steel, Aircraft Cable	0.72	0.11
		For >500, Deduct	*-0.10*	

05 15 19 00-0007 7x19, 304 Stainless Steel, Aircraft Cable *(05 15 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 15 19 00-0008	LF	1/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.51	0.10
		For >500, Deduct	*-0.07*	
05 15 19 00-0009	LF	5/32" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.60	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0010	LF	3/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.69	0.11
		For >500, Deduct	*-0.10*	
05 15 19 00-0011	LF	1/4" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	0.86	0.11
		For >500, Deduct	*-0.13*	
05 15 19 00-0012	LF	5/16" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.31	0.11
		For >500, Deduct	*-0.20*	
05 15 19 00-0013	LF	3/8" Diameter, 7x19, 304 Stainless Steel, Aircraft Cable	1.96	0.23
		For >500, Deduct	*-0.30*	

05 15 19 00-0014 7x7, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0015	LF	1/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.27	0.08
		For >500, Deduct	*-0.03*	
05 15 19 00-0016	LF	3/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.35	0.09
		For >500, Deduct	*-0.04*	
05 15 19 00-0017	LF	1/8" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.46	0.10
		For >500, Deduct	*-0.06*	
05 15 19 00-0018	LF	5/32" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.59	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0019	LF	3/16" Diameter, 7x7, 316 Stainless Steel, Aircraft Cable	0.72	0.11
		For >500, Deduct	*-0.10*	

05 15 19 00-0020 7x19, 316 Stainless Steel, Aircraft Cable *(05 15 19)*

05 15 19 00-0021	LF	1/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.51	0.10
		For >500, Deduct	*-0.07*	
05 15 19 00-0022	LF	5/32" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.60	0.11
		For >500, Deduct	*-0.08*	
05 15 19 00-0023	LF	3/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.69	0.11
		For >500, Deduct	*-0.10*	
05 15 19 00-0024	LF	1/4" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	0.86	0.11
		For >500, Deduct	*-0.13*	
05 15 19 00-0025	LF	5/16" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.31	0.11
		For >500, Deduct	*-0.20*	
05 15 19 00-0026	LF	3/8" Diameter, 7x19, 316 Stainless Steel, Aircraft Cable	1.96	0.11
		For >500, Deduct	*-0.30*	

05 20 Metal Joists *(05)*

Note: Includes all connecting bolts and welds.

05 21 Steel Joist Framing *(05 20)*

05 21 19 Open Web Steel Joist Framing *(05 21)*

05 21 19 00-0001 Open Web Joists *(05 21 19)*

05 21 19 00-0002	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	2,835.98	203.25
		For Welded Cross Bridging, Add	*254.07*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*238.69*	
05 21 19 00-0003	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging	2,599.80	190.55
		For Welded Cross Bridging, Add	*225.84*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*221.64*	
05 21 19 00-0004	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging	3,122.55	190.55
		For Welded Cross Bridging, Add	*234.52*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*280.90*	
05 21 19 00-0005	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging	3,538.69	190.55
		For Welded Cross Bridging, Add	*234.52*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*330.83*	
05 21 19 00-0006	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging	3,135.68	190.55
		For Welded Cross Bridging, Add	*254.07*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*274.65*	
05 21 19 00-0007	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging	3,902.82	190.55
		For Welded Cross Bridging, Add	*234.52*	
		For Shop Prime Paint Other Than Manufacturer's Standard, Add	*374.53*	

05 30 Metal Decking *(05)*

Note: Includes all connecting bolts and welds.

05 31 Steel Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete where required.

05 31 13 Steel Floor Decking *(05 31)*

Note: Floor or roof decking

05 31 13 00-0001 Open Ribbed Galvanized Steel Deck *(05 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0002	SF	1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.24	0.52
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Site Installed Insulation Between Ribs, Add	*0.86*	
		For Up To 100, Add	*0.91*	
		For >100 To 500, Add	*0.52*	
		For >500 To 1,500, Add	*0.16*	
05 31 13 00-0003	SF	1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	3.68	0.60
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Site Installed Insulation Between Ribs, Add	*0.98*	
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.59*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0004	SF	1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	4.62	0.73
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.22*	
		For Up To 100, Add	*1.28*	
		For >100 To 500, Add	*0.74*	
		For >500 To 1,500, Add	*0.23*	
05 31 13 00-0005	SF	1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	3.55	0.58
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Site Installed Insulation Between Ribs, Add	*0.94*	
		For Up To 100, Add	*1.01*	
		For >100 To 500, Add	*0.57*	
		For >500 To 1,500, Add	*0.18*	
05 31 13 00-0006	SF	1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.08	0.67
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.08*	
		For Up To 100, Add	*1.16*	
		For >100 To 500, Add	*0.66*	
		For >500 To 1,500, Add	*0.21*	
05 31 13 00-0007	SF	1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.13	0.82
		For Painted, Deduct	*-0.21*	
		For Perforated Or Slotted, Add	*0.21*	
		For Site Installed Insulation Between Ribs, Add	*1.36*	
		For Up To 100, Add	*1.43*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.26*	
05 31 13 00-0008	SF	2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.02	0.61
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Site Installed Insulation Between Ribs, Add	*1.06*	
		For Up To 100, Add	*1.10*	
		For >100 To 500, Add	*0.63*	
		For >500 To 1,500, Add	*0.19*	
05 31 13 00-0009	SF	2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	4.66	0.71
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Site Installed Insulation Between Ribs, Add	*1.23*	
		For Up To 100, Add	*1.25*	
		For >100 To 500, Add	*0.73*	
		For >500 To 1,500, Add	*0.22*	
05 31 13 00-0010	SF	2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	5.74	0.79
		For Painted, Deduct	*-0.24*	
		For Perforated Or Slotted, Add	*0.24*	
		For Site Installed Insulation Between Ribs, Add	*1.51*	
		For Up To 100, Add	*1.47*	
		For >100 To 500, Add	*0.87*	
		For >500 To 1,500, Add	*0.25*	
05 31 13 00-0011	SF	2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	7.21	0.86
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Site Installed Insulation Between Ribs, Add	*1.88*	
		For Up To 100, Add	*1.69*	
		For >100 To 500, Add	*1.05*	
		For >500 To 1,500, Add	*0.27*	
05 31 13 00-0012	SF	3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck	4.49	0.65
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Site Installed Insulation Between Ribs, Add	*1.18*	
		For Up To 100, Add	*1.18*	
		For >100 To 500, Add	*0.69*	
		For >500 To 1,500, Add	*0.20*	
05 31 13 00-0013	SF	3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	5.23	0.73
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Site Installed Insulation Between Ribs, Add	*1.38*	
		For Up To 100, Add	*1.34*	
		For >100 To 500, Add	*0.80*	
		For >500 To 1,500, Add	*0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0014	SF	3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	6.52	0.90
		For Painted, Deduct	*-0.27*	
		For Perforated Or Slotted, Add	*0.27*	
		For Site Installed Insulation Between Ribs, Add	*1.71*	
		For Up To 100, Add	*1.67*	
		For >100 To 500, Add	*0.99*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0015	SF	3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	8.22	1.10
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Site Installed Insulation Between Ribs, Add	*2.16*	
		For Up To 100, Add	*2.06*	
		For >100 To 500, Add	*1.23*	
		For >500 To 1,500, Add	*0.34*	
05 31 13 00-0016	SF	4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	11.86	
		For Painted, Deduct	*-0.54*	
		For Perforated Or Slotted, Add	*0.54*	
		For Site Installed Insulation Between Ribs, Add	*3.04*	
		For Up To 100, Add	*2.08*	
		For >100 To 500, Add	*1.48*	
		For >500 To 1,500, Add	*0.25*	
05 31 13 00-0017	SF	4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	14.95	0.90
		For Painted, Deduct	*-0.69*	
		For Perforated Or Slotted, Add	*0.69*	
		For Site Installed Insulation Between Ribs, Add	*3.82*	
		For Up To 100, Add	*2.51*	
		For >100 To 500, Add	*1.83*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0018	SF	6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck	13.89	0.90
		For Painted, Deduct	*-0.64*	
		For Perforated Or Slotted, Add	*0.64*	
		For Site Installed Insulation Between Ribs, Add	*3.56*	
		For Up To 100, Add	*2.41*	
		For >100 To 500, Add	*1.73*	
		For >500 To 1,500, Add	*0.28*	
05 31 13 00-0019	SF	6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	14.56	1.10
		For Painted, Deduct	*-0.66*	
		For Perforated Or Slotted, Add	*0.66*	
		For Site Installed Insulation Between Ribs, Add	*3.74*	
		For Up To 100, Add	*2.69*	
		For >100 To 500, Add	*1.87*	
		For >500 To 1,500, Add	*0.34*	
05 31 13 00-0020	SF	6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	18.18	1.33
		For Painted, Deduct	*-0.83*	
		For Perforated Or Slotted, Add	*0.83*	
		For Site Installed Insulation Between Ribs, Add	*4.67*	
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*2.32*	
		For >500 To 1,500, Add	*0.42*	
05 31 13 00-0021	SF	7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck	16.09	1.21
		For Painted, Deduct	*-0.73*	
		For Perforated Or Slotted, Add	*0.73*	
		For Site Installed Insulation Between Ribs, Add	*4.14*	
		For Up To 100, Add	*2.96*	
		For >100 To 500, Add	*2.06*	
		For >500 To 1,500, Add	*0.38*	
05 31 13 00-0022	SF	7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck	20.06	1.46
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Site Installed Insulation Between Ribs, Add	*5.15*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*2.56*	
		For >500 To 1,500, Add	*0.46*	

05 31 13 00-0023 Cellular Galvanized Steel Deck *(05 31 13)*

Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.

05 31 13 00-0024	SF	1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	10.64	0.92
		For Painted, Deduct	*-0.47*	
		For Perforated Or Slotted, Add	*0.47*	
		For Insulated Cells, Add	*2.13*	
		For Site Installed Insulation Between Ribs, Add	*2.75*	
		For Up To 100, Add	*2.11*	
		For >100 To 500, Add	*1.41*	
		For >500 To 1,500, Add	*0.29*	
05 31 13 00-0025	SF	1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	11.57	1.23
		For Painted, Deduct	*-0.50*	
		For Perforated Or Slotted, Add	*0.50*	
		For Insulated Cells, Add	*2.26*	
		For Site Installed Insulation Between Ribs, Add	*3.01*	
		For Up To 100, Add	*2.53*	
		For >100 To 500, Add	*1.62*	
		For >500 To 1,500, Add	*0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0026	SF	1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck	13.05	0.96
		For Painted, Deduct	*-0.59*	
		For Perforated Or Slotted, Add	*0.59*	
		For Insulated Cells, Add	*2.66*	
		For Site Installed Insulation Between Ribs, Add	*3.35*	
		For Up To 100, Add	*2.39*	
		For >100 To 500, Add	*1.67*	
		For >500 To 1,500, Add	*0.30*	
05 31 13 00-0027	SF	1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	14.13	1.29
		For Painted, Deduct	*-0.63*	
		For Perforated Or Slotted, Add	*0.63*	
		For Insulated Cells, Add	*2.82*	
		For Site Installed Insulation Between Ribs, Add	*3.65*	
		For Up To 100, Add	*2.86*	
		For >100 To 500, Add	*1.90*	
		For >500 To 1,500, Add	*0.40*	
05 31 13 00-0028	SF	3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	14.95	1.19
		For Painted, Deduct	*-0.68*	
		For Perforated Or Slotted, Add	*0.68*	
		For Insulated Cells, Add	*3.04*	
		For Site Installed Insulation Between Ribs, Add	*3.85*	
		For Up To 100, Add	*2.80*	
		For >100 To 500, Add	*1.93*	
		For >500 To 1,500, Add	*0.36*	
05 31 13 00-0029	SF	3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	17.86	1.36
		For Painted, Deduct	*-0.81*	
		For Perforated Or Slotted, Add	*0.81*	
		For Insulated Cells, Add	*3.64*	
		For Site Installed Insulation Between Ribs, Add	*4.59*	
		For Up To 100, Add	*3.31*	
		For >100 To 500, Add	*2.29*	
		For >500 To 1,500, Add	*0.42*	
05 31 13 00-0030	SF	3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	20.04	1.46
		For Painted, Deduct	*-0.91*	
		For Perforated Or Slotted, Add	*0.91*	
		For Insulated Cells, Add	*4.10*	
		For Site Installed Insulation Between Ribs, Add	*5.15*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*2.55*	
		For >500 To 1,500, Add	*0.46*	
05 31 13 00-0031	SF	3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	21.66	1.57
		For Painted, Deduct	*-0.99*	
		For Perforated Or Slotted, Add	*0.99*	
		For Insulated Cells, Add	*4.43*	
		For Site Installed Insulation Between Ribs, Add	*5.56*	
		For Up To 100, Add	*3.93*	
		For >100 To 500, Add	*2.75*	
		For >500 To 1,500, Add	*0.49*	
05 31 13 00-0032	SF	4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck	23.18	1.19
		For Painted, Deduct	*-1.09*	
		For Perforated Or Slotted, Add	*1.09*	
		For Insulated Cells, Add	*4.88*	
		For Site Installed Insulation Between Ribs, Add	*5.91*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*2.76*	
		For >500 To 1,500, Add	*0.37*	
05 31 13 00-0033	SF	4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck	24.66	1.38
		For Painted, Deduct	*-1.15*	
		For Perforated Or Slotted, Add	*1.15*	
		For Insulated Cells, Add	*5.16*	
		For Site Installed Insulation Between Ribs, Add	*6.29*	
		For Up To 100, Add	*4.02*	
		For >100 To 500, Add	*2.99*	
		For >500 To 1,500, Add	*0.43*	
05 31 13 00-0034	SF	4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck	26.06	1.48
		For Painted, Deduct	*-1.21*	
		For Perforated Or Slotted, Add	*1.21*	
		For Insulated Cells, Add	*5.45*	
		For Site Installed Insulation Between Ribs, Add	*6.65*	
		For Up To 100, Add	*4.28*	
		For >100 To 500, Add	*3.16*	
		For >500 To 1,500, Add	*0.47*	
05 31 13 00-0035	SF	4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck	27.79	1.59
		For Painted, Deduct	*-1.29*	
		For Perforated Or Slotted, Add	*1.29*	
		For Insulated Cells, Add	*5.81*	
		For Site Installed Insulation Between Ribs, Add	*7.10*	
		For Up To 100, Add	*4.57*	
		For >100 To 500, Add	*3.38*	
		For >500 To 1,500, Add	*0.50*	

05 31 23 Steel Roof Decking *(05 31)*

See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

05 31 33 Steel Form Decking *(05 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 33 00-0001		Open Ribbed Galvanized Steel Form Deck *(05 31 33)*		
05 31 33 00-0002	SF	9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck	2.92	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.16*	
		For >100 To 500, Add	*0.58*	
		For >500 To 1,500, Add	*0.24*	
05 31 33 00-0003	SF	9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.11	
		For Painted, Deduct	*-0.10*	
		For Perforated Or Slotted, Add	*0.10*	
		For Up To 100, Add	*1.23*	
		For >100 To 500, Add	*0.62*	
		For >500 To 1,500, Add	*0.26*	
05 31 33 00-0004	SF	9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.45	
		For Painted, Deduct	*-0.11*	
		For Perforated Or Slotted, Add	*0.11*	
		For Up To 100, Add	*1.42*	
		For >100 To 500, Add	*0.70*	
		For >500 To 1,500, Add	*0.30*	
05 31 33 00-0005	SF	9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	3.72	
		For Painted, Deduct	*-0.12*	
		For Perforated Or Slotted, Add	*0.12*	
		For Up To 100, Add	*1.58*	
		For >100 To 500, Add	*0.77*	
		For >500 To 1,500, Add	*0.34*	
05 31 33 00-0006	SF	15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	3.52	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.27*	
		For >100 To 500, Add	*0.66*	
		For >500 To 1,500, Add	*0.26*	
05 31 33 00-0007	SF	15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck	3.70	
		For Painted, Deduct	*-0.13*	
		For Perforated Or Slotted, Add	*0.13*	
		For Up To 100, Add	*1.34*	
		For >100 To 500, Add	*0.69*	
		For >500 To 1,500, Add	*0.27*	
05 31 33 00-0008	SF	15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	3.90	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.46*	
		For >100 To 500, Add	*0.75*	
		For >500 To 1,500, Add	*0.30*	
05 31 33 00-0009	SF	15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	4.15	
		For Painted, Deduct	*-0.14*	
		For Perforated Or Slotted, Add	*0.14*	
		For Up To 100, Add	*1.62*	
		For >100 To 500, Add	*0.82*	
		For >500 To 1,500, Add	*0.34*	
05 31 33 00-0010	SF	1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck	4.39	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.86*	
		For >500 To 1,500, Add	*0.35*	
05 31 33 00-0011	SF	1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck	4.78	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.78*	
		For >100 To 500, Add	*0.91*	
		For >500 To 1,500, Add	*0.36*	
05 31 33 00-0012	SF	1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck	5.48	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*1.02*	
		For >500 To 1,500, Add	*0.39*	
05 31 33 00-0013	SF	1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck	6.08	
		For Painted, Deduct	*-0.22*	
		For Perforated Or Slotted, Add	*0.22*	
		For Up To 100, Add	*2.21*	
		For >100 To 500, Add	*1.14*	
		For >500 To 1,500, Add	*0.45*	

05 36 Composite Metal Decking *(05 30)*

See CSI section 03 30 00 00-0000 for concrete.

05 36 00 00-0001		Composite Open Ribbed Galvanized Steel Deck *(05 36)*		
		Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.		
05 36 00 00-0002	SF	1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.43	
		For Painted, Deduct	*-0.15*	
		For Perforated Or Slotted, Add	*0.15*	
		For Up To 100, Add	*1.70*	
		For >100 To 500, Add	*0.86*	
		For >500 To 1,500, Add	*0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0003	SF	1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	4.73	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.88*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.30	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.28*	
		For >100 To 500, Add	*1.11*	
		For >500 To 1,500, Add	*0.49*	
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	5.77	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.66*	
		For >100 To 500, Add	*1.27*	
		For >500 To 1,500, Add	*0.58*	
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.73	
		For Painted, Deduct	*-0.16*	
		For Perforated Or Slotted, Add	*0.16*	
		For Up To 100, Add	*1.88*	
		For >100 To 500, Add	*0.94*	
		For >500 To 1,500, Add	*0.39*	
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.12	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*2.07*	
		For >100 To 500, Add	*1.03*	
		For >500 To 1,500, Add	*0.43*	
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.67	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.46*	
		For >100 To 500, Add	*1.20*	
		For >500 To 1,500, Add	*0.53*	
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.20	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.85*	
		For >100 To 500, Add	*1.36*	
		For >500 To 1,500, Add	*0.62*	
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck	4.97	
		For Painted, Deduct	*-0.17*	
		For Perforated Or Slotted, Add	*0.17*	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >500 To 1,500, Add	*0.40*	
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck	5.33	
		For Painted, Deduct	*-0.18*	
		For Perforated Or Slotted, Add	*0.18*	
		For Up To 100, Add	*2.18*	
		For >100 To 500, Add	*1.08*	
		For >500 To 1,500, Add	*0.46*	
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck	5.98	
		For Painted, Deduct	*-0.19*	
		For Perforated Or Slotted, Add	*0.19*	
		For Up To 100, Add	*2.63*	
		For >100 To 500, Add	*1.28*	
		For >500 To 1,500, Add	*0.57*	
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck	6.67	
		For Painted, Deduct	*-0.20*	
		For Perforated Or Slotted, Add	*0.20*	
		For Up To 100, Add	*3.09*	
		For >100 To 500, Add	*1.47*	
		For >500 To 1,500, Add	*0.67*	

05 36 00 00-0014 Composite Cellular Galvanized Steel Deck *(05 36)*

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.11	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.26*	
		For Up To 100, Add	*3.09*	
		For >100 To 500, Add	*1.57*	
		For >500 To 1,500, Add	*0.63*	
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.67	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.32*	
		For Up To 100, Add	*3.39*	
		For >100 To 500, Add	*1.71*	
		For >500 To 1,500, Add	*0.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.77	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.32*	
		For Up To 100, Add	*3.49*	
		For >100 To 500, Add	*1.75*	
		For >500 To 1,500, Add	*0.73*	
05 36 00 00-0018	SF	1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.32	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.37*	
		For Up To 100, Add	*3.84*	
		For >100 To 500, Add	*1.90*	
		For >500 To 1,500, Add	*0.81*	
05 36 00 00-0019	SF	1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	9.98	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.14*	
		For >100 To 500, Add	*2.05*	
		For >500 To 1,500, Add	*0.87*	
05 36 00 00-0020	SF	1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.09	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.46*	
		For Up To 100, Add	*4.25*	
		For >100 To 500, Add	*2.09*	
		For >500 To 1,500, Add	*0.90*	
05 36 00 00-0021	SF	1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.64	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.51*	
		For Up To 100, Add	*4.60*	
		For >100 To 500, Add	*2.24*	
		For >500 To 1,500, Add	*0.98*	
05 36 00 00-0022	SF	2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.38	
		For Painted, Deduct	*-0.28*	
		For Perforated Or Slotted, Add	*0.28*	
		For Insulated Cells, Add	*1.28*	
		For Up To 100, Add	*3.26*	
		For >100 To 500, Add	*1.65*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0023	SF	2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.84	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.49*	
		For >100 To 500, Add	*1.75*	
		For >500 To 1,500, Add	*0.73*	
05 36 00 00-0024	SF	2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	8.95	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.60*	
		For >100 To 500, Add	*1.80*	
		For >500 To 1,500, Add	*0.75*	
05 36 00 00-0025	SF	2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.61	
		For Painted, Deduct	*-0.31*	
		For Perforated Or Slotted, Add	*0.31*	
		For Insulated Cells, Add	*1.41*	
		For Up To 100, Add	*3.97*	
		For >100 To 500, Add	*1.96*	
		For >500 To 1,500, Add	*0.84*	
05 36 00 00-0026	SF	2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.17	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.26*	
		For >100 To 500, Add	*2.10*	
		For >500 To 1,500, Add	*0.90*	
05 36 00 00-0027	SF	2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.34	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.48*	
		For Up To 100, Add	*4.43*	
		For >100 To 500, Add	*2.17*	
		For >500 To 1,500, Add	*0.94*	
05 36 00 00-0028	SF	2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	10.90	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.54*	
		For Up To 100, Add	*4.73*	
		For >100 To 500, Add	*2.30*	
		For >500 To 1,500, Add	*1.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0029	SF	3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck	8.42	
		For Painted, Deduct	*-0.29*	
		For Perforated Or Slotted, Add	*0.29*	
		For Insulated Cells, Add	*1.29*	
		For Up To 100, Add	*3.26*	
		For >100 To 500, Add	*1.65*	
		For >500 To 1,500, Add	*0.67*	
05 36 00 00-0030	SF	3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck	8.90	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.55*	
		For >100 To 500, Add	*1.78*	
		For >500 To 1,500, Add	*0.74*	
05 36 00 00-0031	SF	3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck	9.06	
		For Painted, Deduct	*-0.30*	
		For Perforated Or Slotted, Add	*0.30*	
		For Insulated Cells, Add	*1.34*	
		For Up To 100, Add	*3.71*	
		For >100 To 500, Add	*1.84*	
		For >500 To 1,500, Add	*0.78*	
05 36 00 00-0032	SF	3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck	9.70	
		For Painted, Deduct	*-0.32*	
		For Perforated Or Slotted, Add	*0.32*	
		For Insulated Cells, Add	*1.42*	
		For Up To 100, Add	*4.02*	
		For >100 To 500, Add	*1.99*	
		For >500 To 1,500, Add	*0.85*	
05 36 00 00-0033	SF	3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck	10.32	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.50*	
		For Up To 100, Add	*4.32*	
		For >100 To 500, Add	*2.13*	
		For >500 To 1,500, Add	*0.91*	
05 36 00 00-0034	SF	3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck	10.55	
		For Painted, Deduct	*-0.33*	
		For Perforated Or Slotted, Add	*0.33*	
		For Insulated Cells, Add	*1.50*	
		For Up To 100, Add	*4.55*	
		For >100 To 500, Add	*2.22*	
		For >500 To 1,500, Add	*0.97*	
05 36 00 00-0035	SF	3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck	11.00	
		For Painted, Deduct	*-0.34*	
		For Perforated Or Slotted, Add	*0.34*	
		For Insulated Cells, Add	*1.54*	
		For Up To 100, Add	*4.83*	
		For >100 To 500, Add	*2.34*	
		For >500 To 1,500, Add	*1.04*	

05 36 00 00-0036 Non-Cellular, Composite Deck, Galvanized *(05 36)*

05 36 00 00-0037	SF	1" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.23	
05 36 00 00-0038	SF	1" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.10	
05 36 00 00-0039	SF	1" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.25	
05 36 00 00-0040	SF	1" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.66	
05 36 00 00-0041	SF	1-1/2" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.85	
05 36 00 00-0042	SF	1-1/2" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.58	
05 36 00 00-0043	SF	1-1/2" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.61	
05 36 00 00-0044	SF	1-1/2" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	3.99	
05 36 00 00-0045	SF	3" Deep x 16 Gauge Composite Metal Deck Galvanized, Non-Cellular	7.90	
05 36 00 00-0046	SF	3" Deep x 18 Gauge Composite Metal Deck Galvanized, Non-Cellular	6.32	
05 36 00 00-0047	SF	3" Deep x 20 Gauge Composite Metal Deck Galvanized, Non-Cellular	5.31	
05 36 00 00-0048	SF	3" Deep x 22 Gauge Composite Metal Deck Galvanized, Non-Cellular	4.79	

05 40 Cold-Formed Metal Framing *(05)*

Note: Includes all connecting bolts and welds.

05 41 Structural Metal Stud Framing *(05 40)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0002	SF	2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	6.74	1.14
		For Walls >10' High, Add	*1.35*	
		For Curved Wall, Add	*0.79*	
		For Up To 200, Add	*1.88*	
		For >200 To 500, Add	*0.94*	
		For 12" On Center, Add	*1.22*	
		For 24" On Center, Deduct	*-1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0003	SF	3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.59	1.14
		For Walls >10' High, Add	*1.52*	
		For Curved Wall, Add	*0.83*	
		For Up To 200, Add	*2.07*	
		For >200 To 500, Add	*1.04*	
		For 12" On Center, Add	*1.38*	
		For 24" On Center, Deduct	*-1.38*	
05 41 00 00-0004	SF	4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.92	1.14
		For Walls >10' High, Add	*1.58*	
		For Curved Wall, Add	*0.87*	
		For Up To 200, Add	*2.16*	
		For >200 To 500, Add	*1.08*	
		For 12" On Center, Add	*1.44*	
		For 24" On Center, Deduct	*-1.44*	
05 41 00 00-0005	SF	6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.28	1.26
		For Walls >10' High, Add	*2.06*	
		For Curved Wall, Add	*0.91*	
		For Up To 200, Add	*2.66*	
		For >200 To 500, Add	*1.33*	
		For 12" On Center, Add	*1.91*	
		For 24" On Center, Deduct	*-1.91*	
05 41 00 00-0006	SF	8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	11.55	1.39
		For Walls >10' High, Add	*2.31*	
		For Curved Wall, Add	*0.94*	
		For Up To 200, Add	*2.94*	
		For >200 To 500, Add	*1.47*	
		For 12" On Center, Add	*2.15*	
		For 24" On Center, Deduct	*-2.15*	

05 41 00 00-0007 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0008	SF	2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	7.27	1.14
		For Walls >10' High, Add	*1.45*	
		For Curved Wall, Add	*0.83*	
		For Up To 200, Add	*2.01*	
		For >200 To 500, Add	*1.01*	
		For 12" On Center, Add	*1.32*	
		For 24" On Center, Deduct	*-1.32*	
05 41 00 00-0009	SF	3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.49	1.15
		For Walls >10' High, Add	*1.70*	
		For Curved Wall, Add	*0.87*	
		For Up To 200, Add	*2.28*	
		For >200 To 500, Add	*1.14*	
		For 12" On Center, Add	*1.55*	
		For 24" On Center, Deduct	*-1.55*	
05 41 00 00-0010	SF	4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	8.98	1.15
		For Walls >10' High, Add	*1.80*	
		For Curved Wall, Add	*0.91*	
		For Up To 200, Add	*2.40*	
		For >200 To 500, Add	*1.20*	
		For 12" On Center, Add	*1.64*	
		For 24" On Center, Deduct	*-1.64*	
05 41 00 00-0011	SF	6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	11.57	1.39
		For Walls >10' High, Add	*2.31*	
		For Curved Wall, Add	*0.95*	
		For Up To 200, Add	*2.95*	
		For >200 To 500, Add	*1.48*	
		For 12" On Center, Add	*2.16*	
		For 24" On Center, Deduct	*-2.16*	
05 41 00 00-0012	SF	8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	12.81	1.51
		For Walls >10' High, Add	*2.56*	
		For Curved Wall, Add	*1.00*	
		For Up To 200, Add	*3.23*	
		For >200 To 500, Add	*1.62*	
		For 12" On Center, Add	*2.40*	
		For 24" On Center, Deduct	*-2.40*	

05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners *(05 41)*

05 41 00 00-0014	SF	3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.10	1.58
		For Walls >10' High, Add	*2.02*	
		For Curved Wall, Add	*1.05*	
		For Up To 200, Add	*2.72*	
		For >200 To 500, Add	*1.36*	
		For 12" On Center, Add	*1.85*	
		For 24" On Center, Deduct	*-1.85*	
05 41 00 00-0015	SF	4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	10.39	1.60
		For Walls >10' High, Add	*2.08*	
		For Curved Wall, Add	*1.07*	
		For Up To 200, Add	*2.79*	
		For >200 To 500, Add	*1.40*	
		For 12" On Center, Add	*1.90*	
		For 24" On Center, Deduct	*-1.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 41 00 00-0016	SF	6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	13.27	1.69
		For Walls >10' High, Add	*2.65*	
		For Curved Wall, Add	*1.12*	
		For Up To 200, Add	*3.40*	
		For >200 To 500, Add	*1.70*	
		For 12" On Center, Add	*2.47*	
		For 24" On Center, Deduct	*-2.47*	
05 41 00 00-0017	SF	8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners	14.62	1.76
		For Walls >10' High, Add	*2.92*	
		For Curved Wall, Add	*1.17*	
		For Up To 200, Add	*3.71*	
		For >200 To 500, Add	*1.85*	
		For 12" On Center, Add	*2.73*	
		For 24" On Center, Deduct	*-2.73*	

05 42 Cold-Formed Metal Joist Framing *(05 40)*

05 42 13 Cold-Formed Metal Floor Joist Framing *(05 42)*

Note: Floor or roof joist framing

05 42 13 00-0001 Steel Joists, 20 Gauge *(05 42 13)*

05 42 13 00-0002	LF	5-1/2" - 20 Gauge Steel Joists	14.70	2.70
05 42 13 00-0003	LF	6" - 20 Gauge Steel Joists	15.84	3.40
05 42 13 00-0004	LF	7-1/4" - 20 Gauge Steel Joists	17.16	3.73
05 42 13 00-0005	LF	8" - 20 Gauge Steel Joists	19.35	3.96

05 42 13 00-0006 Steel Joists, 18 Gauge *(05 42 13)*

05 42 13 00-0007	LF	5-1/2" - 18 Gauge Steel Joists	16.40	3.00
05 42 13 00-0008	LF	6" - 18 Gauge Steel Joists	17.71	3.78
05 42 13 00-0009	LF	7-1/4" - 18 Gauge Steel Joists	19.22	4.14
05 42 13 00-0010	LF	8" - 18 Gauge Steel Joists	19.73	4.40

05 42 13 00-0011 Steel Joists, 16 Gauge *(05 42 13)*

05 42 13 00-0012	LF	7-1/4" - 16 Gauge Steel Joists	20.95	4.18
05 42 13 00-0013	LF	8" - 16 Gauge Steel Joists	22.12	4.40

05 42 13 00-0014 Steel Joists, 14 Gauge *(05 42 13)*

05 42 13 00-0015	LF	9-1/4" - 14 Gauge Steel Joists	25.23	4.40
05 42 13 00-0016	LF	11-1/2" - 14 Gauge Steel Joists	27.48	4.64

05 42 13 00-0017 Steel Joists, 12 Gauge *(05 42 13)*

05 42 13 00-0018	LF	9-1/4" - 12 Gauge Steel Joists	30.24	4.84
05 42 13 00-0019	LF	11-1/2" - 12 Gauge Steel Joists	33.17	5.10

05 42 13 00-0020 Steel Joists, 10 Gauge *(05 42 13)*

05 42 13 00-0021	LF	9-1/4" - 10 Gauge Steel Joists	35.32	5.33
05 42 13 00-0022	LF	11-1/2" - 10 Gauge Steel Joists	38.93	5.61

05 42 13 00-0023 Steel Joists, 8 Gauge *(05 42 13)*

05 42 13 00-0024	LF	9-1/4" - 8 Gauge Steel Joists	40.46	5.86
05 42 13 00-0025	LF	11-1/2" - 8 Gauge Steel Joists	44.73	6.18

05 42 23 Cold-Formed Metal Roof Joist Framing *(05 42)*

See CSI section 05 42 13 00-0000 for metal joist framing.

05 43 Slotted Channel Framing *(05 40)*

05 43 00 00-0001 Metal Framing Channel *(05 43)*

Note: Excludes fasteners and accessories. See CSI section 26 05 29 00-0001 for Unistrut framing channels with Electrical Crews.

05 43 00 00-0002 Steel Unistrut Channel *(05 43 00 00-0001)*

05 43 00 00-0003	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	13.55	2.59
		For Powder Coating, Add	*1.26*	
		For Galvanizing, Add	*1.42*	
05 43 00 00-0004	LF	1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.96	2.59
		For Powder Coating, Add	*1.32*	
		For Galvanizing, Add	*1.49*	
05 43 00 00-0005	LF	1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	14.58	2.59
		For Powder Coating, Add	*1.41*	
		For Galvanizing, Add	*1.60*	
05 43 00 00-0006	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	12.74	2.59
		For Powder Coating, Add	*1.14*	
		For Galvanizing, Add	*1.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0007	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	10.96	2.59
		For Powder Coating, Add	*0.87*	
		For Galvanizing, Add	*0.98*	
05 43 00 00-0008		**Stainless Steel Unistrut Channel** *(05 43 00 00-0001)*		
05 43 00 00-0009		**304 Stainless Steel Unistrut Channel** *(05 43 00 00-0008)*		
05 43 00 00-0010	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	24.24	2.59
05 43 00 00-0011	LF	1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	28.90	2.59
05 43 00 00-0012	LF	1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	27.74	2.59
05 43 00 00-0013	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	34.94	2.59
05 43 00 00-0014		**316 Stainless Steel Unistrut Channel** *(05 43 00 00-0008)*		
05 43 00 00-0015	LF	1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	39.35	2.59
05 43 00 00-0016		**Aluminum Unistrut Channel** *(05 43 00 00-0001)*		
05 43 00 00-0017	LF	1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	13.02	2.59
05 43 00 00-0018	LF	1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	9.92	2.59
05 43 00 00-0019		**Metal Framing Channel Fittings** *(05 43)*		
05 43 00 00-0020		**Unistrut Closure Strips** *(05 43 00 00-0019)*		
05 43 00 00-0021	LF	Steel Raceway Closure Strip For Unistrut Channel	7.58	0.57
05 43 00 00-0022		**Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0023		**Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0024	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	8.22	
05 43 00 00-0025	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	9.10	
05 43 00 00-0026	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	9.77	
05 43 00 00-0027	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	13.34	
05 43 00 00-0028		**Stainless Steel Lock Nuts With Spring For Unistrut Channel** *(05 43 00 00-0022)* Note: Includes hex bolt.		
05 43 00 00-0029	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.54	
05 43 00 00-0030	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.46	
05 43 00 00-0031	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	21.44	
05 43 00 00-0032	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	35.39	
05 43 00 00-0033		**Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0019)* Note: Includes hex bolt.		
05 43 00 00-0034		**Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0035	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	8.25	
05 43 00 00-0036	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	9.23	
05 43 00 00-0037	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.82	
05 43 00 00-0038	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	14.37	
05 43 00 00-0039		**Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(05 43 00 00-0033)* Note: Includes hex bolt.		
05 43 00 00-0040	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.78	
05 43 00 00-0041	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.80	
05 43 00 00-0042	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.95	
05 43 00 00-0043	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	34.51	
05 43 00 00-0044		**Beam Clamp For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0045	EA	1-5/8" Channel, P2675 Unistrut Beam Clamp	24.12	8.59
05 43 00 00-0046	EA	1-5/8" Channel, P2676 Unistrut Beam Clamp	30.57	8.59
05 43 00 00-0047	EA	Add For Unistrut Swivel Nut, P2676	3.51	
05 43 00 00-0048		**Beam Clamp Clevis Hangers For Unistrut Channel** *(05 43 00 00-0019)*		
05 43 00 00-0049	EA	Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	26.36	8.59
05 43 00 00-0050	EA	Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	31.49	8.59
05 43 00 00-0051	EA	Add For Unistrut Swivel Nut	3.51	
05 43 00 00-0052	EA	6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	185.53	11.45
05 43 00 00-0053		**Accessories For Unistrut Channel** *(05 43 00 00-0019)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0054	EA	Trolley Truck Hanger, 1-5/8" Channel P1834	60.95	8.59
05 43 00 00-0055	EA	Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	15.10	5.73
05 43 00 00-0056	EA	60 Degree Angle, 1-5/8" Channel P2097	15.83	5.73

05 43 00 00-0057 Bases For Unistrut Channel *(05 43 00 00-0019)*

05 43 00 00-0058 Steel Bases For Unistrut Channel *(05 43 00 00-0057)*

Note: Includes straight or angled post mounting and fasteners.

05 43 00 00-0059	EA	6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	116.84	28.63
05 43 00 00-0060	EA	6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	117.97	28.63
05 43 00 00-0061	EA	6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	169.81	28.63
05 43 00 00-0062	EA	6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	138.70	28.63

05 43 00 00-0063 Stainless Steel Bases For Unistrut Channel *(05 43 00 00-0057)*

Note: Includes straight or angled post mounting and fasteners.

05 43 00 00-0064	EA	6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	224.75	28.63
05 43 00 00-0065	EA	6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	416.57	28.63
05 43 00 00-0066	EA	6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	309.84	28.63
05 43 00 00-0067	EA	6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	465.86	28.63
05 43 00 00-0068	EA	6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	397.67	28.63

05 45 Metal Support Assemblies *(05 40)*

05 45 13 Mechanical Metal Supports *(05 45)*

See CSI section 23 05 29 00-0000 for metal supports.

05 45 16 Electrical Metal Supports *(05 45)*

See CSI section 26 05 29 00-0000 for metal supports.

05 50 Metal Fabrications *(05)*

05 51 Metal Stairs *(05 50)*

05 51 13 Metal Pan Stairs *(05 51)*

Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.
See CSI section 05 52 13 00-0000 for handrails.

05 51 13 00-0001 Open Concrete Filled Metal Pan Stair And Landing *(05 51 13)*

Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.

05 51 13 00-0002	RSR	3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,017.54	33.32
		For Closed Riser, Add	*117.54*	
05 51 13 00-0003	RSR	4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,156.26	38.88
		For Closed Riser, Add	*133.42*	
05 51 13 00-0004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,287.94	45.54
		For Closed Riser, Add	*148.31*	
05 51 13 00-0005	SF	Concrete Filled Steel Pan Landing Note: Conventional shape.	78.43	5.56

05 51 19 Metal Grating Stairs *(05 51)*

Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing *(05 51 19)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail.

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair	494.03	44.43
		For Closed Riser, Add	*59.34*	
		For Galvanized Steel, Add	*101.30*	
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair	526.66	51.10
		For Closed Riser, Add	*62.85*	
		For Galvanized Steel, Add	*106.12*	
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair	583.03	59.98
		For Closed Riser, Add	*69.20*	
		For Galvanized Steel, Add	*115.77*	
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail Note: Conventional shape.	91.67	5.56
		For Galvanized Steel, Add	*17.37*	

05 51 33 Metal Ladders *(05 51)*

Note: Includes factory prime.

05 51 33 13 Vertical Metal Ladders *(05 51 33)*

05 51 33 13-0001 Vertical Ladders *(05 51 33 13)*

Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"

05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed	101.92	13.33
		For Galvanized Steel, Add	*15.03*	
		For Aluminum, Add	*30.06*	
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed	117.15	13.33
		For Galvanized Steel, Add	*18.84*	
		For Aluminum, Add	*37.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed	245.40	22.21
		For Galvanized Steel, Add	*43.65*	
		For Aluminum, Add	*87.30*	
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed	275.87	22.21
		For Galvanized Steel, Add	*51.27*	
		For Aluminum, Add	*102.54*	
05 51 33 13-0006		**Vertical Ladders Options** *(05 51 33 13)*		
05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	416.19	41.65
		For Galvanized Steel, Add	*83.22*	
		For Aluminum, Add	*166.45*	
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed Note: Extends 42" above landing surface. Includes mounting bracket.	456.01	44.43
		For Galvanized Steel, Add	*91.79*	
		For Aluminum, Add	*183.58*	
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	503.72	13.88
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,348.85	83.30
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,614.05	97.19
05 51 33 13-0012	EA	Safety Chain Attachment	247.40	
05 51 33 13-0013		**Welded Steel Ladder Cages** *(05 51 33 13)* Note: For existing fixed ladders up to 20" wide. Excludes the ladder.		
05 51 33 13-0014		**Powder Coated, Welded Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,288.67	166.60
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,487.43	172.16
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,645.41	177.71
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,814.26	183.26
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,912.39	188.81
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,073.08	194.37
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,214.74	199.93
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,399.90	205.48
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,579.63	211.04
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,726.73	216.58
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,906.45	222.14
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,080.74	227.69
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,252.31	233.25
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,565.30	238.80
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,658.00	244.35
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,818.69	249.90
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,965.78	255.46
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,101.99	261.01
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,406.83	266.57
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,570.24	272.12
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,722.77	277.67
05 51 33 13-0036		**Welded Stainless Steel Ladder Cages** *(05 51 33 13-0013)*		
05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage	5,750.85	166.60
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage	6,145.43	172.16
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage	6,803.83	177.71
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage	7,127.70	183.26
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage	7,399.90	188.81
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage	7,761.85	194.37
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage	8,414.81	199.93
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage	8,744.11	205.48
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage	9,084.30	211.04
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage	9,457.13	216.58
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage	10,123.68	222.14
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage	10,455.72	227.69
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage	10,771.43	233.25
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage	11,296.56	238.80
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage	11,886.96	244.35
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage	12,213.56	249.90
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage	12,548.30	255.46
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage	12,861.30	261.01
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage	13,669.28	266.57
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage	13,982.27	272.12
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage	14,303.42	277.67
05 51 33 16		**Inclined Metal Ladders** *(05 51 33)*		
05 51 33 16-0001		**Industrial Ship Ladder, Incline Stairs** *(05 51 33 16)* Note: Includes factory prime.		
05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side	353.58	55.53
		For Aluminum, Add	*121.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

05 51 33 23 Alternating Tread Ladders *(05 51 33)*

05 51 33 23-0001 Vertical Ladders With Alternating Tread *(05 51 33 23)*

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder	2,884.14	166.60
		For Stainless Steel, Add	*279.46*	
		For Primed Steel, Deduct	*-232.88*	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder	3,316.46	176.60
		For Stainless Steel, Add	*340.51*	
		For Primed Steel, Deduct	*-265.60*	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder	3,701.96	176.60
		For Stainless Steel, Add	*404.25*	
		For Primed Steel, Deduct	*-295.41*	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder	4,206.61	221.92
		For Stainless Steel, Add	*467.93*	
		For Primed Steel, Deduct	*-320.62*	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder	4,633.76	229.78
		For Stainless Steel, Add	*541.49*	
		For Primed Steel, Deduct	*-348.10*	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder	4,974.39	229.78
		For Stainless Steel, Add	*610.22*	
		For Primed Steel, Deduct	*-368.24*	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder	5,458.64	256.31
		For Stainless Steel, Add	*690.64*	
		For Primed Steel, Deduct	*-391.36*	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder	5,840.28	256.31
		For Stainless Steel, Add	*772.81*	
		For Primed Steel, Deduct	*-411.34*	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder	6,137.21	256.31
		For Stainless Steel, Add	*845.25*	
		For Primed Steel, Deduct	*-422.63*	

05 52 Metal Railings *(05 50)*

05 52 13 Pipe and Tube Railings *(05 52)*

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

05 52 13 00-0001 Welded Steel Pipe Railing *(05 52 13)*

Note: Includes field welds and touch-up of welds.

05 52 13 00-0002 One Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and one rail.

05 52 13 00-0003	LF	1" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	38.81	11.11
		For Schedule 80 Handrail, Add	*5.42*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-3.65*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.15*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-5.48*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-6.47*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*14.40*	
		For Aluminum, Satin Finish, Add	*6.97*	
		For Aluminum, Clear Anodized Finish, Add	*10.79*	
		For Aluminum, Dark Anodized Finish, Add	*12.45*	
		For Galvanizing, Add	*6.64*	
		For Wrought Iron, Add	*3.88*	
		For Solid Steel Rails, Add	*7.76*	
		For 304 Stainless Steel, Add	*53.12*	
		For 316 Stainless Steel, Add	*59.76*	
		For 2" Wheel Guard, Add	*1.58*	
		For 4" High Kick Plate, Add	*2.08*	
		For 6" High Kick Plate, Add	*3.32*	
		For Curved Rail, Add	*16.62*	
		For Mounting On Stairs, Add	*11.64*	
		For Mounting On Slopes, Add	*3.88*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*13.85*	
		For Nylon Coating, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0004	LF	1-1/4" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	41.67	11.11
		For Schedule 80 Handrail, Add	*8.73*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.28*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-4.87*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-6.42*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-7.59*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.12*	
		For Aluminum, Satin Finish, Add	*8.17*	
		For Aluminum, Clear Anodized Finish, Add	*12.65*	
		For Aluminum, Dark Anodized Finish, Add	*14.60*	
		For Galvanizing, Add	*7.78*	
		For Wrought Iron, Add	*4.17*	
		For Solid Steel Rails, Add	*8.33*	
		For 304 Stainless Steel, Add	*62.27*	
		For 316 Stainless Steel, Add	*70.06*	
		For 2" Wheel Guard, Add	*1.85*	
		For 4" High Kick Plate, Add	*2.43*	
		For 6" High Kick Plate, Add	*3.89*	
		For Curved Rail, Add	*18.34*	
		For Mounting On Stairs, Add	*12.50*	
		For Mounting On Slopes, Add	*4.17*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*15.28*	
		For Nylon Coating, Add	*2.92*	
05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	44.53	11.11
		For Schedule 80 Handrail, Add	*8.73*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.91*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.58*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.37*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.70*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.83*	
		For Aluminum, Satin Finish, Add	*9.37*	
		For Aluminum, Clear Anodized Finish, Add	*14.51*	
		For Aluminum, Dark Anodized Finish, Add	*16.74*	
		For Galvanizing, Add	*8.93*	
		For Wrought Iron, Add	*4.45*	
		For Solid Steel Rails, Add	*8.91*	
		For 304 Stainless Steel, Add	*71.42*	
		For 316 Stainless Steel, Add	*80.35*	
		For 2" Wheel Guard, Add	*2.12*	
		For 4" High Kick Plate, Add	*2.79*	
		For 6" High Kick Plate, Add	*4.46*	
		For Curved Rail, Add	*20.06*	
		For Mounting On Stairs, Add	*13.36*	
		For Mounting On Slopes, Add	*4.45*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*16.71*	
		For Nylon Coating, Add	*3.35*	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	49.49	11.11
		For Schedule 80 Handrail, Add	*10.06*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-6.82*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-10.64*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.81*	
		For Aluminum, Satin Finish, Add	*11.46*	
		For Aluminum, Clear Anodized Finish, Add	*17.73*	
		For Aluminum, Dark Anodized Finish, Add	*20.46*	
		For Galvanizing, Add	*10.91*	
		For Wrought Iron, Add	*4.95*	
		For Solid Steel Rails, Add	*9.90*	
		For 304 Stainless Steel, Add	*87.30*	
		For 316 Stainless Steel, Add	*98.21*	
		For 2" Wheel Guard, Add	*2.59*	
		For 4" High Kick Plate, Add	*3.41*	
		For 6" High Kick Plate, Add	*5.46*	
		For Curved Rail, Add	*23.03*	
		For Mounting On Stairs, Add	*14.85*	
		For Mounting On Slopes, Add	*4.95*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*19.19*	
		For Nylon Coating, Add	*4.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0007	LF	2-1/2" Diameter, Schedule 40, One Rail, Up To 42" High, Welded Steel Pipe Railing	55.43	11.11
		For Schedule 80 Handrail, Add	*11.41*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.31*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.31*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.96*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.96*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.37*	
		For Aluminum, Satin Finish, Add	*13.95*	
		For Aluminum, Clear Anodized Finish, Add	*21.59*	
		For Aluminum, Dark Anodized Finish, Add	*24.92*	
		For Galvanizing, Add	*13.29*	
		For Wrought Iron, Add	*5.54*	
		For Solid Steel Rails, Add	*11.09*	
		For 304 Stainless Steel, Add	*106.30*	
		For 316 Stainless Steel, Add	*119.59*	
		For 2" Wheel Guard, Add	*3.16*	
		For 4" High Kick Plate, Add	*4.15*	
		For 6" High Kick Plate, Add	*6.64*	
		For Curved Rail, Add	*26.60*	
		For Mounting On Stairs, Add	*16.63*	
		For Mounting On Slopes, Add	*5.54*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*22.16*	
		For Nylon Coating, Add	*4.98*	

05 52 13 00-0008 Two Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and two rails.

05 52 13 00-0009	LF	1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	51.25	11.11
		For Schedule 80 Handrail, Add	*5.42*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.39*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.26*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-9.58*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.33*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*14.40*	
		For Aluminum, Satin Finish, Add	*12.20*	
		For Aluminum, Clear Anodized Finish, Add	*18.88*	
		For Aluminum, Dark Anodized Finish, Add	*21.78*	
		For Galvanizing, Add	*11.62*	
		For Wrought Iron, Add	*5.13*	
		For Solid Steel Rails, Add	*10.25*	
		For 304 Stainless Steel, Add	*92.93*	
		For 316 Stainless Steel, Add	*104.54*	
		For 2" Wheel Guard, Add	*2.76*	
		For 4" High Kick Plate, Add	*3.63*	
		For 6" High Kick Plate, Add	*5.81*	
		For Curved Rail, Add	*24.09*	
		For Mounting On Stairs, Add	*15.38*	
		For Mounting On Slopes, Add	*5.13*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*20.07*	
		For Nylon Coating, Add	*4.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0010	LF	1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	56.26	11.11
		For Schedule 80 Handrail, Add	*8.73*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.49*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.51*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-11.24*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-13.28*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.12*	
		For Aluminum, Satin Finish, Add	*14.30*	
		For Aluminum, Clear Anodized Finish, Add	*22.13*	
		For Aluminum, Dark Anodized Finish, Add	*25.54*	
		For Galvanizing, Add	*13.62*	
		For Wrought Iron, Add	*5.63*	
		For Solid Steel Rails, Add	*11.25*	
		For 304 Stainless Steel, Add	*108.96*	
		For 316 Stainless Steel, Add	*122.58*	
		For 2" Wheel Guard, Add	*3.23*	
		For 4" High Kick Plate, Add	*4.26*	
		For 6" High Kick Plate, Add	*6.81*	
		For Curved Rail, Add	*27.09*	
		For Mounting On Stairs, Add	*16.88*	
		For Mounting On Slopes, Add	*5.63*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*22.58*	
		For Nylon Coating, Add	*5.11*	
05 52 13 00-0011	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	61.26	11.11
		For Schedule 80 Handrail, Add	*8.73*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.59*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.76*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.89*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.23*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.83*	
		For Aluminum, Satin Finish, Add	*16.40*	
		For Aluminum, Clear Anodized Finish, Add	*25.38*	
		For Aluminum, Dark Anodized Finish, Add	*29.29*	
		For Galvanizing, Add	*15.62*	
		For Wrought Iron, Add	*6.13*	
		For Solid Steel Rails, Add	*12.25*	
		For 304 Stainless Steel, Add	*124.96*	
		For 316 Stainless Steel, Add	*140.58*	
		For 2" Wheel Guard, Add	*3.71*	
		For 4" High Kick Plate, Add	*4.88*	
		For 6" High Kick Plate, Add	*7.81*	
		For Curved Rail, Add	*30.09*	
		For Mounting On Stairs, Add	*18.38*	
		For Mounting On Slopes, Add	*6.13*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*25.08*	
		For Nylon Coating, Add	*5.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0012	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	69.94	11.11
		For Schedule 80 Handrail, Add	*10.06*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-10.50*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-11.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-15.75*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-18.61*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*20.81*	
		For Aluminum, Satin Finish, Add	*20.05*	
		For Aluminum, Clear Anodized Finish, Add	*31.02*	
		For Aluminum, Dark Anodized Finish, Add	*35.80*	
		For Galvanizing, Add	*19.09*	
		For Wrought Iron, Add	*6.99*	
		For Solid Steel Rails, Add	*13.99*	
		For 304 Stainless Steel, Add	*152.74*	
		For 316 Stainless Steel, Add	*171.83*	
		For 2" Wheel Guard, Add	*4.53*	
		For 4" High Kick Plate, Add	*5.97*	
		For 6" High Kick Plate, Add	*9.55*	
		For Curved Rail, Add	*35.30*	
		For Mounting On Stairs, Add	*20.98*	
		For Mounting On Slopes, Add	*6.99*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*29.42*	
		For Nylon Coating, Add	*7.16*	
05 52 13 00-0013	LF	2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing	80.34	11.11
		For Schedule 80 Handrail, Add	*11.41*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*135.40*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-12.79*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-14.53*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-19.18*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-22.67*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*24.37*	
		For Aluminum, Satin Finish, Add	*24.41*	
		For Aluminum, Clear Anodized Finish, Add	*37.78*	
		For Aluminum, Dark Anodized Finish, Add	*43.60*	
		For Galvanizing, Add	*23.25*	
		For Wrought Iron, Add	*8.03*	
		For Solid Steel Rails, Add	*16.07*	
		For 304 Stainless Steel, Add	*186.02*	
		For 316 Stainless Steel, Add	*209.27*	
		For 2" Wheel Guard, Add	*5.52*	
		For 4" High Kick Plate, Add	*7.27*	
		For 6" High Kick Plate, Add	*11.63*	
		For Curved Rail, Add	*41.54*	
		For Mounting On Stairs, Add	*24.10*	
		For Mounting On Slopes, Add	*8.03*	
		For Post Base Flange With Screws, Add Per Post	*19.72*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*29.83*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*34.62*	
		For Nylon Coating, Add	*8.72*	

05 52 13 00-0014 Three Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and three rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF	1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	80.02	13.33
		For Schedule 80 Handrail, Add	*7.81*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.74*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-13.34*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-17.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.81*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*15.29*	
		For Aluminum, Satin Finish, Add	*22.41*	
		For Aluminum, Clear Anodized Finish, Add	*34.68*	
		For Aluminum, Dark Anodized Finish, Add	*40.02*	
		For Galvanizing, Add	*21.34*	
		For Wrought Iron, Add	*8.00*	
		For Solid Steel Rails, Add	*16.00*	
		For 304 Stainless Steel, Add	*170.75*	
		For 316 Stainless Steel, Add	*192.10*	
		For 2" Wheel Guard, Add	*5.07*	
		For 4" High Kick Plate, Add	*6.67*	
		For 6" High Kick Plate, Add	*10.67*	
		For Curved Rail, Add	*40.01*	
		For Mounting On Stairs, Add	*24.01*	
		For Mounting On Slopes, Add	*8.00*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.50*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*33.35*	
		For Nylon Coating, Add	*8.00*	
05 52 13 00-0016	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	89.21	13.33
		For Schedule 80 Handrail, Add	*12.22*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-13.76*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-15.64*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-20.64*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-24.39*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.01*	
		For Aluminum, Satin Finish, Add	*26.27*	
		For Aluminum, Clear Anodized Finish, Add	*40.66*	
		For Aluminum, Dark Anodized Finish, Add	*46.91*	
		For Galvanizing, Add	*25.02*	
		For Wrought Iron, Add	*8.92*	
		For Solid Steel Rails, Add	*17.84*	
		For 304 Stainless Steel, Add	*200.16*	
		For 316 Stainless Steel, Add	*225.18*	
		For 2" Wheel Guard, Add	*5.94*	
		For 4" High Kick Plate, Add	*7.82*	
		For 6" High Kick Plate, Add	*12.51*	
		For Curved Rail, Add	*45.53*	
		For Mounting On Stairs, Add	*26.76*	
		For Mounting On Slopes, Add	*8.92*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.50*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*37.94*	
		For Nylon Coating, Add	*9.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0017	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	98.40	13.33
		For Schedule 80 Handrail, Add	*12.22*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-15.78*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-17.94*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-23.67*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-27.98*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*18.72*	
		For Aluminum, Satin Finish, Add	*30.13*	
		For Aluminum, Clear Anodized Finish, Add	*46.63*	
		For Aluminum, Dark Anodized Finish, Add	*53.81*	
		For Galvanizing, Add	*28.70*	
		For Wrought Iron, Add	*9.84*	
		For Solid Steel Rails, Add	*19.68*	
		For 304 Stainless Steel, Add	*229.57*	
		For 316 Stainless Steel, Add	*258.26*	
		For 2" Wheel Guard, Add	*6.82*	
		For 4" High Kick Plate, Add	*8.97*	
		For 6" High Kick Plate, Add	*14.35*	
		For Curved Rail, Add	*51.04*	
		For Mounting On Stairs, Add	*29.52*	
		For Mounting On Slopes, Add	*9.84*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.50*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*42.54*	
		For Nylon Coating, Add	*10.76*	
05 52 13 00-0018	LF	2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	114.37	13.33
		For Schedule 80 Handrail, Add	*14.00*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-19.30*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-21.93*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-28.94*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-34.21*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*21.70*	
		For Aluminum, Satin Finish, Add	*36.84*	
		For Aluminum, Clear Anodized Finish, Add	*57.01*	
		For Aluminum, Dark Anodized Finish, Add	*65.78*	
		For Galvanizing, Add	*35.08*	
		For Wrought Iron, Add	*11.44*	
		For Solid Steel Rails, Add	*22.87*	
		For 304 Stainless Steel, Add	*280.67*	
		For 316 Stainless Steel, Add	*315.76*	
		For 2" Wheel Guard, Add	*8.33*	
		For 4" High Kick Plate, Add	*10.96*	
		For 6" High Kick Plate, Add	*17.54*	
		For Curved Rail, Add	*60.62*	
		For Mounting On Stairs, Add	*34.31*	
		For Mounting On Slopes, Add	*11.44*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.50*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*50.52*	
		For Nylon Coating, Add	*13.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing	133.39	13.33
		For Schedule 80 Handrail, Add	*15.80*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*135.40*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-23.48*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-26.68*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-35.22*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-41.62*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*25.26*	
		For Aluminum, Satin Finish, Add	*44.83*	
		For Aluminum, Clear Anodized Finish, Add	*69.37*	
		For Aluminum, Dark Anodized Finish, Add	*80.05*	
		For Galvanizing, Add	*42.69*	
		For Wrought Iron, Add	*13.34*	
		For Solid Steel Rails, Add	*26.68*	
		For 304 Stainless Steel, Add	*341.54*	
		For 316 Stainless Steel, Add	*384.23*	
		For 2" Wheel Guard, Add	*10.14*	
		For 4" High Kick Plate, Add	*13.34*	
		For 6" High Kick Plate, Add	*21.35*	
		For Curved Rail, Add	*72.04*	
		For Mounting On Stairs, Add	*40.02*	
		For Mounting On Slopes, Add	*13.34*	
		For Post Base Flange With Screws, Add Per Post	*20.17*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*30.50*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*60.03*	
		For Nylon Coating, Add	*16.01*	

05 52 13 00-0020 Four Rail, Up To 42" High, Welded Steel Pipe Railings *(05 52 13 00-0001)*

Note: Includes factory primed posts and four rails.

05 52 13 00-0021	LF	1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	96.59	15.55
		For Schedule 80 Handrail, Add	*10.48*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-14.41*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-16.37*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-21.61*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-25.54*	
		For ADA Handrail P-Loop End Return, Add Per Each	*80.10*	
		For Additional Off Set Handrail, ADA Attachment, Add	*16.18*	
		For Aluminum, Satin Finish, Add	*27.51*	
		For Aluminum, Clear Anodized Finish, Add	*42.57*	
		For Aluminum, Dark Anodized Finish, Add	*49.12*	
		For Galvanizing, Add	*26.20*	
		For Wrought Iron, Add	*9.66*	
		For Solid Steel Rails, Add	*19.32*	
		For 304 Stainless Steel, Add	*209.57*	
		For 316 Stainless Steel, Add	*235.76*	
		For 2" Wheel Guard, Add	*6.22*	
		For 4" High Kick Plate, Add	*8.19*	
		For 6" High Kick Plate, Add	*13.10*	
		For Curved Rail, Add	*48.62*	
		For Mounting On Stairs, Add	*28.98*	
		For Mounting On Slopes, Add	*9.66*	
		For Post Base Flange With Screws, Add Per Post	*20.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*40.52*	
		For Nylon Coating, Add	*9.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0022	LF	1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	104.75	15.55
		For Schedule 80 Handrail, Add	*15.98*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-16.20*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-18.41*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-24.30*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-28.72*	
		For ADA Handrail P-Loop End Return, Add Per Each	*95.56*	
		For Additional Off Set Handrail, ADA Attachment, Add	*17.90*	
		For Aluminum, Satin Finish, Add	*30.93*	
		For Aluminum, Clear Anodized Finish, Add	*47.87*	
		For Aluminum, Dark Anodized Finish, Add	*55.24*	
		For Galvanizing, Add	*29.46*	
		For Wrought Iron, Add	*10.48*	
		For Solid Steel Rails, Add	*20.95*	
		For 304 Stainless Steel, Add	*235.68*	
		For 316 Stainless Steel, Add	*265.14*	
		For 2" Wheel Guard, Add	*7.00*	
		For 4" High Kick Plate, Add	*9.21*	
		For 6" High Kick Plate, Add	*14.73*	
		For Curved Rail, Add	*53.52*	
		For Mounting On Stairs, Add	*31.43*	
		For Mounting On Slopes, Add	*10.48*	
		For Post Base Flange With Screws, Add Per Post	*20.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*44.60*	
		For Nylon Coating, Add	*11.05*	
05 52 13 00-0023	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	112.91	15.55
		For Schedule 80 Handrail, Add	*15.98*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-18.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-20.45*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-27.00*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-31.91*	
		For ADA Handrail P-Loop End Return, Add Per Each	*107.84*	
		For Additional Off Set Handrail, ADA Attachment, Add	*19.61*	
		For Aluminum, Satin Finish, Add	*34.36*	
		For Aluminum, Clear Anodized Finish, Add	*53.18*	
		For Aluminum, Dark Anodized Finish, Add	*61.36*	
		For Galvanizing, Add	*32.72*	
		For Wrought Iron, Add	*11.29*	
		For Solid Steel Rails, Add	*22.58*	
		For 304 Stainless Steel, Add	*261.79*	
		For 316 Stainless Steel, Add	*294.52*	
		For 2" Wheel Guard, Add	*7.77*	
		For 4" High Kick Plate, Add	*10.23*	
		For 6" High Kick Plate, Add	*16.36*	
		For Curved Rail, Add	*58.42*	
		For Mounting On Stairs, Add	*33.87*	
		For Mounting On Slopes, Add	*11.29*	
		For Post Base Flange With Screws, Add Per Post	*20.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*48.68*	
		For Nylon Coating, Add	*12.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0024	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	131.08	15.55
		For Schedule 80 Handrail, Add	*18.21*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-22.00*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-25.00*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-32.99*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-38.99*	
		For ADA Handrail P-Loop End Return, Add Per Each	*130.53*	
		For Additional Off Set Handrail, ADA Attachment, Add	*22.59*	
		For Aluminum, Satin Finish, Add	*41.99*	
		For Aluminum, Clear Anodized Finish, Add	*64.99*	
		For Aluminum, Dark Anodized Finish, Add	*74.99*	
		For Galvanizing, Add	*39.99*	
		For Wrought Iron, Add	*13.11*	
		For Solid Steel Rails, Add	*26.22*	
		For 304 Stainless Steel, Add	*319.94*	
		For 316 Stainless Steel, Add	*359.93*	
		For 2" Wheel Guard, Add	*9.50*	
		For 4" High Kick Plate, Add	*12.50*	
		For 6" High Kick Plate, Add	*20.00*	
		For Curved Rail, Add	*69.32*	
		For Mounting On Stairs, Add	*39.32*	
		For Mounting On Slopes, Add	*13.11*	
		For Post Base Flange With Screws, Add Per Post	*20.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*57.77*	
		For Nylon Coating, Add	*15.00*	
05 52 13 00-0025	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing	152.38	15.55
		For Schedule 80 Handrail, Add	*20.46*	
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	*58.71*	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*43.27*	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*27.82*	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	*69.92*	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*51.54*	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*33.14*	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	*92.19*	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	*67.94*	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	*43.68*	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	*92.02*	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	*67.71*	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*105.34*	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*76.28*	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	*133.24*	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*94.21*	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	*135.40*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-26.68*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-30.32*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-40.02*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-47.30*	
		For ADA Handrail P-Loop End Return, Add Per Each	*179.05*	
		For Additional Off Set Handrail, ADA Attachment, Add	*26.15*	
		For Aluminum, Satin Finish, Add	*50.94*	
		For Aluminum, Clear Anodized Finish, Add	*78.83*	
		For Aluminum, Dark Anodized Finish, Add	*90.96*	
		For Galvanizing, Add	*48.51*	
		For Wrought Iron, Add	*15.24*	
		For Solid Steel Rails, Add	*30.48*	
		For 304 Stainless Steel, Add	*388.10*	
		For 316 Stainless Steel, Add	*436.61*	
		For 2" Wheel Guard, Add	*11.52*	
		For 4" High Kick Plate, Add	*15.16*	
		For 6" High Kick Plate, Add	*24.26*	
		For Curved Rail, Add	*82.10*	
		For Mounting On Stairs, Add	*45.71*	
		For Mounting On Slopes, Add	*15.24*	
		For Post Base Flange With Screws, Add Per Post	*20.61*	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	*31.17*	
		For Custom Design Or Shapes (Square Tops, etc.), Add	*68.42*	
		For Nylon Coating, Add	*18.19*	

05 52 13 00-0026 Railing Infill Panels *(05 52 13)*
Note: Includes field welds and touch-up of welds.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0027		**Wire Mesh Or Welded Wire Mesh, Railing Infill Panels** *(05 52 13 00-0026)*		
		Note: Square weave or square welded wire mesh.		
05 52 13 00-0028	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	15.42	
05 52 13 00-0029	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	16.37	
05 52 13 00-0030	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	17.22	
05 52 13 00-0031	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel	29.11	
05 52 13 00-0032		**Perforated Metal, Railing Infill Panels** *(05 52 13 00-0026)*		
05 52 13 00-0033	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel	15.12	
05 52 13 00-0034	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel	15.64	
05 52 13 00-0035	SF	Aluminum, Perforated Metal, Railing Infill Panel	16.74	
05 52 13 00-0036	SF	Stainless Steel, Perforated Metal, Railing Infill Panel	33.59	
05 52 13 00-0037		**Expanded Metal, Railing Infill Panels** *(05 52 13 00-0026)*		
05 52 13 00-0038	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel	6.82	
05 52 13 00-0039	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel	13.94	
05 52 13 00-0040	SF	Aluminum, Expanded Metal, Railing Infill Panel	18.31	
05 52 13 00-0041	SF	Stainless Steel, Expanded Metal, Railing Infill Panel	27.29	
05 52 13 00-0042		**Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** *(05 52 13)*		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0043	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	38.89	6.66
		For Schedule 80 Handrail, Add	*2.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-4.89*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.56*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.34*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.67*	
		For Stainless Steel, Add	*44.46*	
		For Aluminum, Satin Finish, Add	*9.34*	
		For Curved Rail, Add	*11.67*	
		For Aluminum, Clear Anodized Finish, Add	*14.45*	
		For Aluminum, Dark Anodized Finish, Add	*16.67*	
		For Galvanized Finish, Add	*6.67*	
05 52 13 00-0044	LF	1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	39.61	6.66
		For Schedule 80 Handrail, Add	*3.37*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.05*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.74*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.57*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-8.95*	
		For Stainless Steel, Add	*45.90*	
		For Aluminum, Satin Finish, Add	*9.64*	
		For Curved Rail, Add	*11.88*	
		For Aluminum, Clear Anodized Finish, Add	*14.92*	
		For Aluminum, Dark Anodized Finish, Add	*17.21*	
		For Galvanized Finish, Add	*6.89*	
05 52 13 00-0045	LF	1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	40.33	6.66
		For Schedule 80 Handrail, Add	*10.72*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-5.21*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-5.92*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-7.81*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-9.23*	
		For Stainless Steel, Add	*47.34*	
		For Aluminum, Satin Finish, Add	*9.94*	
		For Curved Rail, Add	*12.10*	
		For Aluminum, Clear Anodized Finish, Add	*15.39*	
		For Aluminum, Dark Anodized Finish, Add	*17.75*	
		For Galvanized Finish, Add	*7.10*	
05 52 13 00-0046	LF	2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.57	6.66
		For Schedule 80 Handrail, Add	*4.38*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.02*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.98*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.53*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.44*	
		For Stainless Steel, Add	*63.82*	
		For Aluminum, Satin Finish, Add	*13.40*	
		For Curved Rail, Add	*14.57*	
		For Aluminum, Clear Anodized Finish, Add	*20.74*	
		For Aluminum, Dark Anodized Finish, Add	*23.93*	
		For Galvanized Finish, Add	*9.57*	
05 52 13 00-0047	LF	2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	55.39	6.66
		For Schedule 80 Handrail, Add	*4.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-8.52*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-9.68*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-12.78*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-15.10*	
		For Stainless Steel, Add	*77.46*	
		For Aluminum, Satin Finish, Add	*16.27*	
		For Curved Rail, Add	*16.62*	
		For Aluminum, Clear Anodized Finish, Add	*25.17*	
		For Aluminum, Dark Anodized Finish, Add	*29.05*	
		For Galvanized Finish, Add	*11.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0048		Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings *(05 52 13)*		
		Note: Includes factory primed, fasteners and field touch-up of welds.		
05 52 13 00-0049	LF	1" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	47.32	6.99
		For Schedule 80 Handrail, Add	*2.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.75*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.67*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.12*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-11.96*	
		For Stainless Steel, Add	*61.32*	
		For Aluminum, Satin Finish, Add	*12.88*	
		For Curved Rail, Add	*14.20*	
		For Aluminum, Clear Anodized Finish, Add	*19.93*	
		For Aluminum, Dark Anodized Finish, Add	*23.00*	
		For Galvanized Finish, Add	*9.20*	
05 52 13 00-0050	LF	1-1/4" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	48.32	6.99
		For Schedule 80 Handrail, Add	*3.37*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-6.97*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-7.92*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.45*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.35*	
		For Stainless Steel, Add	*63.32*	
		For Aluminum, Satin Finish, Add	*13.30*	
		For Curved Rail, Add	*14.50*	
		For Aluminum, Clear Anodized Finish, Add	*20.58*	
		For Aluminum, Dark Anodized Finish, Add	*23.75*	
		For Galvanized Finish, Add	*9.50*	
05 52 13 00-0051	LF	1-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	49.08	6.99
		For Schedule 80 Handrail, Add	*10.72*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-7.13*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-8.11*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-10.70*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-12.64*	
		For Stainless Steel, Add	*64.84*	
		For Aluminum, Satin Finish, Add	*13.62*	
		For Curved Rail, Add	*14.72*	
		For Aluminum, Clear Anodized Finish, Add	*21.07*	
		For Aluminum, Dark Anodized Finish, Add	*24.32*	
		For Galvanized Finish, Add	*9.73*	
05 52 13 00-0052	LF	2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	60.59	6.99
		For Schedule 80 Handrail, Add	*4.38*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-9.66*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-10.98*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-14.50*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-17.13*	
		For Stainless Steel, Add	*87.86*	
		For Aluminum, Satin Finish, Add	*18.45*	
		For Curved Rail, Add	*18.18*	
		For Aluminum, Clear Anodized Finish, Add	*28.55*	
		For Aluminum, Dark Anodized Finish, Add	*32.95*	
		For Galvanized Finish, Add	*13.18*	
05 52 13 00-0053	LF	2-1/2" Diameter, Custom Shapes, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing	68.12	6.99
		For Schedule 80 Handrail, Add	*4.83*	
		For 11 Gauge A513 Steel Tubing, Deduct	*-11.32*	
		For 12 Gauge A513 Steel Tubing, Deduct	*-12.87*	
		For 14 Gauge A513 Steel Tubing, Deduct	*-16.98*	
		For 16 Gauge A513 Steel Tubing, Deduct	*-20.07*	
		For Stainless Steel, Add	*102.92*	
		For Aluminum, Satin Finish, Add	*21.61*	
		For Curved Rail, Add	*20.44*	
		For Aluminum, Clear Anodized Finish, Add	*33.45*	
		For Aluminum, Dark Anodized Finish, Add	*38.60*	
		For Galvanized Finish, Add	*15.44*	
05 52 13 00-0054		Remove And Reinstall Pipe Railing *(05 52 13)*		
05 52 13 00-0055	LF	Removal And Reinstallation Of Wall Bracket Mounted Pipe Railing	24.99	
05 52 13 00-0056	LF	Removal And Reinstallation Of Floor Mounted Pipe Railing	33.29	
05 52 13 00-0057	EA	Install New Galvanized Steel Pipe Railing Bracket	67.22	
		For Stainless Steel, Add	*67.80*	

05 53 Metal Gratings *(05 50)*

05 53 13 Bar Gratings *(05 53)*

05 53 13 00-0001 Welded Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0002		**Steel, Welded Grating** *(05 53 13 00-0001)* Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF	3/4" x 1/8" Steel, Welded Grating	14.27	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.01*	
		For 304 Stainless Steel, Add	*37.97*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*3.45*	
		For Crossbars At 2" On-Center, Add	*1.28*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-1.93*	
05 53 13 00-0004	SF	3/4" x 3/16" Steel, Welded Grating	19.17	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.84*	
		For 304 Stainless Steel, Add	*53.70*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.89*	
		For Crossbars At 2" On-Center, Add	*1.81*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.05*	
05 53 13 00-0005	SF	1" x 1/8" Steel, Welded Grating	17.42	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*2.55*	
		For 304 Stainless Steel, Add	*48.09*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*4.37*	
		For Crossbars At 2" On-Center, Add	*1.62*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.01*	
05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating	24.07	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.68*	
		For 304 Stainless Steel, Add	*69.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.32*	
		For Crossbars At 2" On-Center, Add	*2.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.18*	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating	30.71	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.81*	
		For 304 Stainless Steel, Add	*90.75*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*8.25*	
		For Crossbars At 2" On-Center, Add	*3.05*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.34*	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating	20.60	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.09*	
		For 304 Stainless Steel, Add	*58.29*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*5.30*	
		For Crossbars At 2" On-Center, Add	*1.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.09*	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating	28.68	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.46*	
		For 304 Stainless Steel, Add	*84.23*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.29*	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating	23.79	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.63*	
		For 304 Stainless Steel, Add	*68.53*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*6.23*	
		For Crossbars At 2" On-Center, Add	*2.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.17*	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating	34.11	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.29*	
		For 304 Stainless Steel, Add	*99.86*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.08*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating	44.22	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.01*	
		For 304 Stainless Steel, Add	*132.32*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.04*	
		For Crossbars At 2" On-Center, Add	*4.45*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.04*	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating	39.04	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.13*	
		For 304 Stainless Steel, Add	*115.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.52*	
		For Crossbars At 2" On-Center, Add	*3.89*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.91*	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating	43.66	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*130.52*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*11.87*	
		For Crossbars At 2" On-Center, Add	*4.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.03*	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating	48.56	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.75*	
		For 304 Stainless Steel, Add	*146.25*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*13.30*	
		For Crossbars At 2" On-Center, Add	*4.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.15*	
05 53 13 00-0016	SF	2-1/2" x 3/16" Steel, Welded Grating	53.18	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.53*	
		For 304 Stainless Steel, Add	*161.08*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*14.65*	
		For Crossbars At 2" On-Center, Add	*5.42*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.26*	

05 53 13 00-0017 Pressure Locked Grating *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.

05 53 13 00-0018 Steel, Pressure Locked Grating *(05 53 13 00-0017)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

05 53 13 00-0019	SF	3/4" x 1/8" Steel, Pressure Locked Grating	27.11	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.05*	
		For 304 Stainless Steel, Add	*46.16*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.20*	
		For Crossbars At 2" On-Center, Add	*2.66*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.25*	
05 53 13 00-0020	SF	3/4" x 3/16" Steel, Pressure Locked Grating	33.41	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.41*	
05 53 13 00-0021	SF	1" x 1/8" Steel, Pressure Locked Grating	29.80	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.49*	
		For 304 Stainless Steel, Add	*51.19*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.95*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0022	SF	1" x 3/16" Steel, Pressure Locked Grating	40.62	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.26*	
		For 304 Stainless Steel, Add	*71.43*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*55.36*	
		For Bearing Bars At 15/16" On-Center, Add	*11.15*	
		For Crossbars At 2" On-Center, Add	*4.12*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.59*	
05 53 13 00-0023	SF	1-1/4" x 1/8" Steel, Pressure Locked Grating	33.41	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.08*	
		For 304 Stainless Steel, Add	*57.94*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*9.04*	
		For Crossbars At 2" On-Center, Add	*3.34*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.41*	
05 53 13 00-0024	SF	1-1/4" x 3/16" Steel, Pressure Locked Grating	45.62	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.08*	
		For 304 Stainless Steel, Add	*80.79*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*12.61*	
		For Crossbars At 2" On-Center, Add	*4.66*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.71*	
05 53 13 00-0025	SF	1-1/2" x 1/8" Steel, Pressure Locked Grating	37.19	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.70*	
		For 304 Stainless Steel, Add	*65.02*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*10.15*	
		For Crossbars At 2" On-Center, Add	*3.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.50*	
05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating	51.43	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.94*	
		For 304 Stainless Steel, Add	*90.61*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 7/16" On-Center, Add	*70.22*	
		For Bearing Bars At 15/16" On-Center, Add	*14.14*	
		For Crossbars At 2" On-Center, Add	*5.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.22*	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating	56.71	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.81*	
		For 304 Stainless Steel, Add	*100.49*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*15.68*	
		For Crossbars At 2" On-Center, Add	*5.80*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.35*	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating	61.02	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*9.52*	
		For 304 Stainless Steel, Add	*108.56*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*16.94*	
		For Crossbars At 2" On-Center, Add	*6.27*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.46*	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating	65.15	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.19*	
		For 304 Stainless Steel, Add	*116.28*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*18.15*	
		For Crossbars At 2" On-Center, Add	*6.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.56*	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating	68.72	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*10.78*	
		For 304 Stainless Steel, Add	*122.96*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*19.19*	
		For Crossbars At 2" On-Center, Add	*7.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.65*	

05 53 13 00-0031 Aluminum, Type 6063, Pressure Locked Grating *(05 53 13 00-0017)*
Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating	17.22	1.22
		For Bearing Bars At 15/16" On-Center, Add	*4.32*	
		For Crossbars At 2" On-Center, Add	*1.60*	
		For Set In Place Without Bolting, Deduct	*-2.00*	
		For Powder Coating, Add	*2.22*	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating	23.28	1.22
		For Bearing Bars At 15/16" On-Center, Add	*6.09*	
		For Crossbars At 2" On-Center, Add	*2.25*	
		For Set In Place Without Bolting, Deduct	*-2.16*	
		For Powder Coating, Add	*3.13*	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating	21.98	1.22
		For Bearing Bars At 15/16" On-Center, Add	*5.71*	
		For Crossbars At 2" On-Center, Add	*2.11*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.12*	
		For Powder Coating, Add	*2.93*	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating	29.82	1.22
		For Bearing Bars At 7/16" On-Center, Add	*39.70*	
		For Bearing Bars At 15/16" On-Center, Add	*7.99*	
		For Crossbars At 2" On-Center, Add	*2.96*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.32*	
		For Powder Coating, Add	*4.11*	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating	25.43	1.22
		For Bearing Bars At 15/16" On-Center, Add	*6.71*	
		For Crossbars At 2" On-Center, Add	*2.48*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.21*	
		For Powder Coating, Add	*3.45*	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating	33.97	1.22
		For Bearing Bars At 15/16" On-Center, Add	*9.21*	
		For Crossbars At 2" On-Center, Add	*3.41*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.42*	
		For Powder Coating, Add	*4.73*	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating	28.67	1.22
		For Bearing Bars At 15/16" On-Center, Add	*7.66*	
		For Crossbars At 2" On-Center, Add	*2.83*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.29*	
		For Powder Coating, Add	*3.93*	
05 53 13 00-0039	SF	1-1/2" x 3/16" Aluminum, Pressure Locked Grating	38.25	1.22
		For Bearing Bars At 7/16" On-Center, Add	*51.92*	
		For Bearing Bars At 15/16" On-Center, Add	*10.46*	
		For Crossbars At 2" On-Center, Add	*3.87*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.53*	
		For Powder Coating, Add	*5.37*	
05 53 13 00-0040	SF	1-3/4" x 3/16" Aluminum, Pressure Locked Grating	42.35	1.22
		For Bearing Bars At 15/16" On-Center, Add	*11.65*	
		For Crossbars At 2" On-Center, Add	*4.31*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.63*	
		For Powder Coating, Add	*5.99*	
05 53 13 00-0041	SF	2" x 3/16" Aluminum, Pressure Locked Grating	47.21	1.22
		For Bearing Bars At 15/16" On-Center, Add	*13.07*	
		For Crossbars At 2" On-Center, Add	*4.84*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.75*	
		For Powder Coating, Add	*6.72*	
05 53 13 00-0042	SF	2-1/4" x 3/16" Aluminum, Pressure Locked Grating	51.03	1.22
		For Bearing Bars At 15/16" On-Center, Add	*14.19*	
		For Crossbars At 2" On-Center, Add	*5.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.85*	
		For Powder Coating, Add	*7.29*	
05 53 13 00-0043	SF	2-1/2" x 3/16" Aluminum, Pressure Locked Grating	55.57	1.22
		For Bearing Bars At 15/16" On-Center, Add	*15.51*	
		For Crossbars At 2" On-Center, Add	*5.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.96*	
		For Powder Coating, Add	*7.97*	

05 53 13 00-0044 **Swage Locked Grating** *(05 53 13)*

Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.

05 53 13 00-0045 **Steel, Swage Locked Grating** *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0046	SF	1" x 3/16" Steel, Swaged Grating	44.47	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.87*	
		For 304 Stainless Steel, Add	*69.69*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*26.90*	
		For Crossbars At 2" On-Center, Add	*3.36*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.69*	
05 53 13 00-0047	SF	1-1/4" x 3/16" Steel, Swaged Grating	49.65	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.34*	
		For 304 Stainless Steel, Add	*78.27*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*30.21*	
		For Crossbars At 2" On-Center, Add	*3.78*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-2.82*	
05 53 13 00-0048	SF	1-1/2" x 3/16" Steel, Swaged Grating	54.26	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.72*	
		For 304 Stainless Steel, Add	*84.99*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*32.81*	
		For Crossbars At 2" On-Center, Add	*4.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.29*	
05 53 13 00-0049	SF	1-3/4" x 3/16" Steel, Swaged Grating	62.21	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.45*	
		For 304 Stainless Steel, Add	*98.17*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*37.89*	
		For Crossbars At 2" On-Center, Add	*4.74*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.49*	
05 53 13 00-0050	SF	2" x 3/16" Steel, Swaged Grating	70.19	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.18*	
		For 304 Stainless Steel, Add	*111.40*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*43.00*	
		For Crossbars At 2" On-Center, Add	*5.38*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.69*	
05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating	78.13	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.91*	
		For 304 Stainless Steel, Add	*124.57*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*48.08*	
		For Crossbars At 2" On-Center, Add	*6.01*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.89*	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating	86.11	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.65*	
		For 304 Stainless Steel, Add	*137.80*	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	*53.19*	
		For Crossbars At 2" On-Center, Add	*6.65*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.09*	

05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked *(05 53 13 00-0044)*

Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating	20.31	1.22
		For Bearing Bars At 15/16" On-Center, Add	*11.44*	
		For Crossbars At 2" On-Center, Add	*1.43*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.08*	
		For Powder Coating, Add	*2.68*	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating	26.29	1.22
		For Bearing Bars At 15/16" On-Center, Add	*15.26*	
		For Crossbars At 2" On-Center, Add	*1.91*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.23*	
		For Powder Coating, Add	*3.58*	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating	23.00	1.22
		For Bearing Bars At 15/16" On-Center, Add	*13.16*	
		For Crossbars At 2" On-Center, Add	*1.64*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.15*	
		For Powder Coating, Add	*3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating	30.31	1.22
		For Bearing Bars At 15/16" On-Center, Add	*17.84*	
		For Crossbars At 2" On-Center, Add	*2.23*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.33*	
		For Powder Coating, Add	*4.18*	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating	26.18	1.22
		For Bearing Bars At 15/16" On-Center, Add	*15.19*	
		For Crossbars At 2" On-Center, Add	*1.90*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.23*	
		For Powder Coating, Add	*3.56*	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating	34.62	1.22
		For Bearing Bars At 15/16" On-Center, Add	*20.60*	
		For Crossbars At 2" On-Center, Add	*2.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.44*	
		For Powder Coating, Add	*4.83*	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating	39.58	1.22
		For Bearing Bars At 15/16" On-Center, Add	*23.77*	
		For Crossbars At 2" On-Center, Add	*2.97*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.56*	
		For Powder Coating, Add	*5.57*	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating	44.52	1.22
		For Bearing Bars At 15/16" On-Center, Add	*26.93*	
		For Crossbars At 2" On-Center, Add	*3.37*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.69*	
		For Powder Coating, Add	*6.31*	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating	49.48	1.22
		For Bearing Bars At 15/16" On-Center, Add	*30.11*	
		For Crossbars At 2" On-Center, Add	*3.76*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.81*	
		For Powder Coating, Add	*7.06*	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating	54.42	1.22
		For Bearing Bars At 15/16" On-Center, Add	*33.27*	
		For Crossbars At 2" On-Center, Add	*4.16*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting, Deduct	*-2.93*	
		For Powder Coating, Add	*7.80*	

05 53 13 00-0064 Riveted Grating *(05 53 13)*

Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.

05 53 13 00-0065 Steel, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.

05 53 13 00-0066	SF	3/4" x 1/8", 7.0 Lb./SF, Steel, Riveted Grating	84.64	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*3.95*	
		For 304 Stainless Steel, Add	*70.61*	
		For 5/8" Clear Opening, Add	*28.36*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.69*	
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 Lb./SF, Steel, Riveted Grating	99.69	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.67*	
		For 304 Stainless Steel, Add	*83.54*	
		For 5/8" Clear Opening, Add	*33.55*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.07*	
05 53 13 00-0068	SF	1" x 1/8", 8.0 Lb./SF, Steel, Riveted Grating	91.57	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.28*	
		For 304 Stainless Steel, Add	*76.56*	
		For 5/8" Clear Opening, Add	*30.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-3.86*	
05 53 13 00-0069	SF	1" x 3/16", 9.5 Lb./SF, Steel, Riveted Grating	105.42	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.94*	
		For 304 Stainless Steel, Add	*88.46*	
		For 5/8" Clear Opening, Add	*35.53*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.21*	
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 Lb./SF, Steel, Riveted Grating	97.31	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.55*	
		For 304 Stainless Steel, Add	*81.49*	
		For 5/8" Clear Opening, Add	*32.73*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 Lb./SF, Steel, Riveted Grating	116.10	1.22
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.46*	
		For 304 Stainless Steel, Add	*97.63*	
		For 5/8" Clear Opening, Add	*39.21*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.48*	
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 Lb./SF, Steel, Riveted Grating	103.39	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*4.82*	
		For 304 Stainless Steel, Add	*86.24*	
		For 5/8" Clear Opening, Add	*34.63*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-4.52*	
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 Lb./SF, Steel, Riveted Grating	123.48	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*5.78*	
		For 304 Stainless Steel, Add	*103.49*	
		For 5/8" Clear Opening, Add	*41.57*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.02*	
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 Lb./SF, Steel, Riveted Grating	133.73	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*6.28*	
		For 304 Stainless Steel, Add	*112.30*	
		For 5/8" Clear Opening, Add	*45.10*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.28*	
05 53 13 00-0075	SF	2" x 3/16", 17.0 Lb./SF, Steel, Riveted Grating	156.62	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.37*	
		For 304 Stainless Steel, Add	*131.96*	
		For 5/8" Clear Opening, Add	*53.00*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-5.85*	
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 Lb./SF, Steel, Riveted Grating	164.60	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*7.76*	
		For 304 Stainless Steel, Add	*138.81*	
		For 5/8" Clear Opening, Add	*55.75*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.05*	
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 Lb./SF, Steel, Riveted Grating	171.70	1.50
		For One Coat Of Shop Applied Paint (Red Or Black), Add	*0.22*	
		For Galvanized Steel, Add	*8.10*	
		For 304 Stainless Steel, Add	*144.91*	
		For 5/8" Clear Opening, Add	*58.20*	
		For Serrated Wear Surface, Add	*0.16*	
		For Set In Place Without Bolting Or Tack Welding, Deduct	*-6.23*	

05 53 13 00-0078 Aluminum, Riveted Grating *(05 53 13 00-0064)*

Note: 1" clear opening, bolted in place and in all sizes.

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 Lb./SF, Aluminum, Riveted Grating	43.24	1.22
		For 5/8" Clear Opening, Add	*14.08*	
		For Powder Coating, Add	*6.12*	
		For Set In Place Without Bolting, Deduct	*-2.65*	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 Lb./SF, Aluminum, Riveted Grating	51.31	1.22
		For 5/8" Clear Opening, Add	*16.86*	
		For Powder Coating, Add	*7.33*	
		For Set In Place Without Bolting, Deduct	*-2.86*	
05 53 13 00-0081	SF	1" x 1/8", 2.7 Lb./SF, Aluminum, Riveted Grating	47.55	1.22
		For 5/8" Clear Opening, Add	*15.56*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*6.77*	
		For Set In Place Without Bolting, Deduct	*-2.76*	
05 53 13 00-0082	SF	1" x 3/16", 3.2 Lb./SF, Aluminum, Riveted Grating	55.44	1.22
		For 5/8" Clear Opening, Add	*18.29*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.95*	
		For Set In Place Without Bolting, Deduct	*-2.96*	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 Lb./SF, Aluminum, Riveted Grating	53.32	1.22
		For 5/8" Clear Opening, Add	*17.55*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*7.63*	
		For Set In Place Without Bolting, Deduct	*-2.91*	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 Lb./SF, Aluminum, Riveted Grating	64.27	1.22
		For 5/8" Clear Opening, Add	*21.33*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*9.27*	
		For Set In Place Without Bolting, Deduct	*-3.18*	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 Lb./SF, Aluminum, Riveted Grating	57.27	1.22
		For 5/8" Clear Opening, Add	*18.92*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*8.22*	
		For Set In Place Without Bolting, Deduct	*-3.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 Lb./SF, Aluminum, Riveted Grating	71.16	1.22
		For 5/8" Clear Opening, Add	*23.71*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*10.31*	
		For Set In Place Without Bolting, Deduct	*-3.35*	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 Lb./SF, Aluminum, Riveted Grating	78.45	1.22
		For 5/8" Clear Opening, Add	*26.22*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*11.40*	
		For Set In Place Without Bolting, Deduct	*-3.54*	
05 53 13 00-0088	SF	2" x 3/16", 5.8 Lb./SF, Aluminum, Riveted Grating	93.42	1.22
		For 5/8" Clear Opening, Add	*31.39*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*13.65*	
		For Set In Place Without Bolting, Deduct	*-3.91*	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 Lb./SF, Aluminum, Riveted Grating	101.91	1.22
		For 5/8" Clear Opening, Add	*34.32*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*14.92*	
		For Set In Place Without Bolting, Deduct	*-4.12*	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 Lb./SF, Aluminum, Riveted Grating	113.30	1.22
		For 5/8" Clear Opening, Add	*38.25*	
		For Serrated Wear Surface, Add	*0.16*	
		For Powder Coating, Add	*16.63*	
		For Set In Place Without Bolting, Deduct	*-4.41*	

05 53 16 Plank Gratings *(05 53)*

05 53 16 00-0001 Grate-Lock Steel Plank Grating *(05 53 16)*
Note: Smooth or traction grip surface.

05 53 16 00-0002	SF	1-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	18.25	0.94
		For Stair Tread Application, Add	*2.11*	
05 53 16 00-0003	SF	2-1/2" Height, 18 Gauge Steel Grate-Lock Plank Grating	19.47	1.17
		For Stair Tread Application, Add	*2.30*	
05 53 16 00-0004	SF	3" Height, 18 Gauge Steel Grate-Lock Plank Grating	20.54	1.27
		For Stair Tread Application, Add	*2.44*	
05 53 16 00-0005	SF	4" Height, 18 Gauge Steel Grate-Lock Plank Grating	22.42	1.39
		For Stair Tread Application, Add	*2.66*	
05 53 16 00-0006	SF	1-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	22.23	1.06
		For Stair Tread Application, Add	*2.54*	
05 53 16 00-0007	SF	2-1/2" Height, 16 Gauge Steel Grate-Lock Plank Grating	23.64	1.27
		For Stair Tread Application, Add	*2.75*	
05 53 16 00-0008	SF	1-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	27.28	1.22
		For Stair Tread Application, Add	*3.09*	
05 53 16 00-0009	SF	2-1/2" Height, 14 Gauge Steel Grate-Lock Plank Grating	29.04	1.50
		For Stair Tread Application, Add	*3.35*	
05 53 16 00-0010	SF	3" Height, 14 Gauge Steel Grate-Lock Plank Grating	31.07	1.89
		For Stair Tread Application, Add	*3.67*	
05 53 16 00-0011	SF	4" Height, 14 Gauge Steel Grate-Lock Plank Grating	34.29	2.12
		For Stair Tread Application, Add	*4.06*	

05 54 Metal Floor Plates *(05 50)*

05 54 00 00-0001 Steel Floor Plates *(05 54)*

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	19.93	1.45
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	22.82	1.45
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	28.65	1.45
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	38.37	1.55
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	48.82	1.66

05 54 00 00-0007 Aluminum Alloy Floor Plates *(05 54)*

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	31.04	1.22
		For Powder Coating, Add	*4.29*	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	35.62	1.45
		For Powder Coating, Add	*4.93*	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	40.22	1.55
		For Powder Coating, Add	*5.57*	

05 54 00 00-0011 Type 304 Stainless Steel Floor Plates *(05 54)*

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	39.23	1.66
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	46.90	1.89
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	60.78	2.22

05 55 Metal Stair Treads and Nosings *(05 50)*

05 55 13 Metal Stair Treads *(05 55)*

05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads *(05 55 13)*
Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 13 00-0002	LF	8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	75.41	7.34
		For 3/8" Thick, Add	*15.92*	
05 55 13 00-0003	LF	9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	83.01	7.34
		For 3/8" Thick, Add	*17.82*	
05 55 13 00-0004	LF	10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	90.60	7.34
		For 3/8" Thick, Add	*19.71*	
05 55 13 00-0005	LF	11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	98.23	7.34
		For 3/8" Thick, Add	*21.62*	
05 55 13 00-0006	LF	12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread	105.79	7.34
		For 3/8" Thick, Add	*23.51*	

05 55 13 00-0007 Abrasive Cast Iron Stair Treads *(05 55 13)*

Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF	8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	104.90	7.34
05 55 13 00-0009	LF	9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	116.17	7.34
05 55 13 00-0010	LF	10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	127.46	7.34
05 55 13 00-0011	LF	11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	138.72	7.34
05 55 13 00-0012	LF	12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread	150.01	7.34

05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF	6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	39.84	7.34
05 55 13 00-0015	LF	9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	46.73	7.34
05 55 13 00-0016	LF	11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread	49.77	7.34

05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads *(05 55 13)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF	8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	58.86	7.34
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0019	LF	9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	59.43	7.34
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0020	LF	11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	71.82	7.34
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0021	LF	12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	82.68	7.34
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	
05 55 13 00-0022	LF	15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread	96.84	7.34
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	
		For Two Color Tread, Add	*3.59*	

05 55 13 00-0023 Stair Landing Treads *(05 55 13)*

05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF	5/16" Thick, Abrasive Cast Aluminum Landing Treads	105.79	7.34
		For 3/8" Thick, Add	*23.51*	

05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF	3/8" Thick, Abrasive Cast Iron Landing Treads	150.01	7.34

05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads *(05 55 13 00-0023)*

Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF	9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads	98.08	7.34
		For Epoxy Sealed For Corrosive Environment, Add	*4.78*	

05 55 13 00-0030 Open Cast Iron Stair Tread *(05 55 13)*

Note: Includes steel stringers, safety nosing and 2 pipe handrail. Excludes landings.

05 55 13 00-0031	RSR	3'-6" Wide, Open Cast Iron Stair Tread	697.52	44.43
		For Closed Riser, Add	*59.74*	
05 55 13 00-0032	RSR	4'-0" Wide, Open Cast Iron Stair Tread	782.58	51.10
		For Closed Riser, Add	*66.86*	
05 55 13 00-0033	RSR	5'-0" Wide, Open Cast Iron Stair Tread	862.21	59.98
		For Closed Riser, Add	*73.57*	

05 55 16 Metal Stair Nosings *(05 55)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 55 16 00-0001		**Abrasive Cast Aluminum Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0002	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	31.86	5.01
		For 3/8" Thick, Add	*5.97*	
05 55 16 00-0003	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	39.20	5.01
		For 3/8" Thick, Add	*7.80*	
05 55 16 00-0004	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing	55.56	5.01
		For 3/8" Thick, Add	*11.89*	
05 55 16 00-0005		**Abrasive Cast Iron Nosings** *(05 55 16)* Note: Includes abrasive diamond pattern surface and anchors.		
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	37.22	5.01
		For 3/8" Thick, Add	*7.31*	
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	46.26	5.01
		For 3/8" Thick, Add	*9.57*	
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing	64.13	5.01
		For 3/8" Thick, Add	*14.03*	
05 55 16 00-0009		**Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings** *(05 55 16)* Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.		
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	26.89	5.01
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	30.43	5.01
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	33.13	5.01
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	41.52	5.01
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	27.84	5.01
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	30.86	5.01
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	33.85	5.01
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing	32.03	5.01

05 56 Metal Castings *(05 50)*

05 56 00 00-0001		**Castings** *(05 56)*		
05 56 00 00-0002	LB	Up To 150 Lb., Miscellaneous Castings, Light Section	5.50	0.55
05 56 00 00-0003	LB	>150 Lb., Miscellaneous Castings, Heavy Section	9.40	0.44

05 58 Formed Metal Fabrications *(05 50)*

05 58 16 Formed Metal Enclosures *(05 58)*

05 58 16 00-0001		**Drip Pan** *(05 58 16)*		
05 58 16 00-0002	SF	Stainless Steel Drip Pan	115.95	6.27
05 58 16 00-0003	SF	Galvanized Steel Drip Pan	114.52	6.27
05 58 16 00-0004	SF	Aluminum Drip Pan	80.21	5.02
05 58 16 00-0005	SF	Plastic Drip Pan	20.01	4.39

05 58 23 Formed Metal Guards *(05 58)*

05 58 23 00-0001		**Protective Guard Rails** *(05 58 23)* Note: Includes painted finish.		
05 58 23 00-0002		**2-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0001)* Note: Steel King Armor Guard.		
05 58 23 00-0003		**Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0002)* Note: Excludes posts. Includes fasteners.		
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	217.33	24.02
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	255.36	24.02
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	291.23	24.02
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	329.26	24.02
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	365.33	24.02
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	412.10	24.02
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	443.96	24.02
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	493.29	24.02
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	525.66	24.02
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail	548.79	24.02
05 58 23 00-0014		**Posts For 2-Rib Guard Rails** *(05 58 23 00-0002)* Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails	437.21	50.05
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails	569.28	50.05
05 58 23 00-0017		**3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0001)* Note: Steel King Steel Guard.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 58 23 00-0018		**Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)*		
		Note: Excludes posts. Includes fasteners.		
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	240.25	24.02
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	265.53	24.02
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	297.09	24.02
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	326.58	24.02
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	360.71	24.02
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	377.15	24.02
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	416.72	24.02
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	450.12	24.02
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	485.58	24.02
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail	521.55	24.02
05 58 23 00-0029		**Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails** *(05 58 23 00-0017)*		
		Note: Excludes posts. Includes fasteners and lift-out mounting plate.		
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	354.03	24.02
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	381.78	24.02
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	410.55	24.02
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	443.96	24.02
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	477.36	24.02
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	504.60	24.02
05 58 23 00-0036	EA	7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	535.94	24.02
05 58 23 00-0037	EA	8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	571.40	24.02
05 58 23 00-0038	EA	9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	609.43	24.02
05 58 23 00-0039	EA	10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail	642.83	24.02
05 58 23 00-0040		**Posts For 3-Rib Guard Rails** *(05 58 23 00-0017)*		
		Note: Includes drilling, surface mounting plate and anchors.		
05 58 23 00-0041	EA	18" Height, Single Rail Post For 3-Rib Guard Rails	384.59	50.05
05 58 23 00-0042	EA	42" Height, Double Rail Post For 3-Rib Guard Rails	491.68	50.05
05 58 23 00-0043		**All-Welded, Protective Guards** *(05 58 23)*		
		Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0044		**All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0045	EA	36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	501.92	66.72
05 58 23 00-0046	EA	48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	527.61	66.72
05 58 23 00-0047	EA	36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	542.52	66.72
05 58 23 00-0048	EA	48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	564.61	66.72
05 58 23 00-0049	EA	36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	559.47	66.72
05 58 23 00-0050	EA	48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	586.71	66.72
05 58 23 00-0051	EA	36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	594.42	66.72
05 58 23 00-0052	EA	48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	603.15	66.72
05 58 23 00-0053	EA	48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard	644.78	66.72
05 58 23 00-0054		**Corner Style, All-Welded, Protective Guards** *(05 58 23 00-0043)*		
05 58 23 00-0055	EA	24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	661.22	66.72
05 58 23 00-0056	EA	30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	692.06	66.72
05 58 23 00-0057	EA	24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	704.90	66.72
05 58 23 00-0058	EA	30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard	768.11	66.72
05 58 23 00-0059		**Warehouse Safety Bollards** *(05 58 23)*		
		Note: Includes painted finish, drilling, surface mounting plate and anchors.		
05 58 23 00-0060	EA	24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	311.89	50.05
05 58 23 00-0061	EA	36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	362.66	50.05
05 58 23 00-0062	EA	42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	416.41	50.05
05 58 23 00-0063	EA	36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	431.11	50.05
05 58 23 00-0064	EA	42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard	465.03	50.05

05 59 Metal Specialties *(05 50)*

05 59 65 Metal Chain *(05 59)*

05 59 65 00-0001		**Alloy Steel Chain, Self Colored, Cut Length** *(05 59 65)*		
		Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.		
05 59 65 00-0002	LF	3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored	6.44	1.08
		For Plastic Dipped, Add	*0.64*	
05 59 65 00-0003	LF	1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	8.39	1.43
		For Plastic Dipped, Add	*0.83*	
05 59 65 00-0004	LF	3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	13.18	2.86
		For Plastic Dipped, Add	*1.12*	
05 59 65 00-0005	LF	1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored	21.11	4.83
		For Plastic Dipped, Add	*1.72*	
05 59 65 00-0006	LF	5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	35.63	8.16
		For Plastic Dipped, Add	*2.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 65 00-0007	LF	3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	50.01	11.45
		For Plastic Dipped, Add	*4.07*	
05 59 65 00-0008	LF	7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored	68.36	14.32
		For Plastic Dipped, Add	*5.96*	
05 59 65 00-0009	LF	1" Diameter Alloy Steel Chain, Cut Length, Self Colored	99.10	19.08
		For Plastic Dipped, Add	*9.14*	
05 59 65 00-0010	LF	1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored	161.53	28.63
		For Plastic Dipped, Add	*15.64*	

05 59 65 00-0011 316L Stainless Steel Chain, Cut Length *(05 59 65)*

05 59 65 00-0012	CLF	1/8" Diameter 316L Stainless Steel Chain, Cut Length	2,814.57	95.41
05 59 65 00-0013	CLF	3/16" Diameter 316L Stainless Steel Chain, Cut Length	3,463.82	114.53
05 59 65 00-0014	CLF	9/32" Diameter 316L Stainless Steel Chain, Cut Length	4,342.05	143.17
05 59 65 00-0015	CLF	5/16" Diameter 316L Stainless Steel Chain, Cut Length	5,866.14	190.93
05 59 65 00-0016	CLF	3/8" Diameter 316L Stainless Steel Chain, Cut Length	6,666.40	286.34
05 59 65 00-0017	CLF	1/2" Diameter 316L Stainless Steel Chain, Cut Length	10,056.12	477.27

05 59 69 Metal Panels *(05 59)*

05 59 69 00-0001 Woven And Welded Wire Cloth *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

05 59 69 00-0002 Plain Steel Woven And Welded Wire Cloth Panels *(05 59 69 00-0001)*

05 59 69 00-0003 2" Square Wire Spacing *(05 59 69 00-0002)*

05 59 69 00-0004	SF	0.12" Thick Wire, 2" Spacing, 0.44 Lb./SF, Woven And Welded Wire Cloth Panels	9.97	3.06
		For Up To 2, Add	*2.81*	
		For >2 To 6, Add	*1.61*	
		For >15 To 40, Deduct	*-0.29*	
		For >40, Deduct	*-0.88*	
		For Galvanized, Add	*2.59*	
		For Aluminum, Add	*3.53*	
		For 304 Stainless Steel, Add	*14.14*	
		For 316 Stainless Steel, Add	*16.20*	
05 59 69 00-0005	SF	0.135" Thick Wire, 2" Spacing, 0.55 Lb./SF, Woven And Welded Wire Cloth Panels	10.72	3.18
		For Up To 2, Add	*2.99*	
		For >2 To 6, Add	*1.71*	
		For >15 To 40, Deduct	*-0.32*	
		For >40, Deduct	*-0.97*	
		For Galvanized, Add	*2.85*	
		For Aluminum, Add	*3.88*	
		For 304 Stainless Steel, Add	*15.53*	
		For 316 Stainless Steel, Add	*17.79*	
05 59 69 00-0006	SF	0.148" Thick Wire, 2" Spacing, 0.65 Lb./SF, Woven And Welded Wire Cloth Panels	11.39	3.53
		For Up To 2, Add	*3.22*	
		For >2 To 6, Add	*1.84*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.94*	
		For Aluminum, Add	*4.01*	
		For 304 Stainless Steel, Add	*16.06*	
		For 316 Stainless Steel, Add	*18.40*	
05 59 69 00-0007	SF	0.162" Thick Wire, 2" Spacing, 0.78 Lb./SF, Woven And Welded Wire Cloth Panels	12.02	3.68
		For Up To 2, Add	*3.38*	
		For >2 To 6, Add	*1.94*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.07*	
		For Galvanized, Add	*3.13*	
		For Aluminum, Add	*4.27*	
		For 304 Stainless Steel, Add	*17.09*	
		For 316 Stainless Steel, Add	*19.58*	
05 59 69 00-0008	SF	0.177" Thick Wire, 2" Spacing, 0.92 Lb./SF, Woven And Welded Wire Cloth Panels	13.14	4.12
		For Up To 2, Add	*3.73*	
		For >2 To 6, Add	*2.14*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.36*	
		For Aluminum, Add	*4.58*	
		For 304 Stainless Steel, Add	*18.34*	
		For 316 Stainless Steel, Add	*21.01*	
05 59 69 00-0009	SF	0.192" Thick Wire, 2" Spacing, 1.08 Lb./SF, Woven And Welded Wire Cloth Panels	15.09	4.59
		For Up To 2, Add	*4.24*	
		For >2 To 6, Add	*2.43*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.35*	
		For Galvanized, Add	*3.95*	
		For Aluminum, Add	*5.38*	
		For 304 Stainless Steel, Add	*21.53*	
		For 316 Stainless Steel, Add	*24.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0010	SF	0.207" Thick Wire, 2" Spacing, 1.25 Lb./SF, Woven And Welded Wire Cloth Panels	17.13	5.06
		For Up To 2, Add	*4.77*	
		For >2 To 6, Add	*2.72*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.56*	
		For Galvanized, Add	*4.57*	
		For Aluminum, Add	*6.23*	
		For 304 Stainless Steel, Add	*24.94*	
		For 316 Stainless Steel, Add	*28.57*	
05 59 69 00-0011	SF	0.225" Thick Wire, 2" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	19.61	5.61
		For Up To 2, Add	*5.42*	
		For >2 To 6, Add	*3.08*	
		For >15 To 40, Deduct	*-0.61*	
		For >40, Deduct	*-1.82*	
		For Galvanized, Add	*5.34*	
		For Aluminum, Add	*7.28*	
		For 304 Stainless Steel, Add	*29.11*	
		For 316 Stainless Steel, Add	*33.36*	
05 59 69 00-0012		1-3/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0013	SF	0.12" Thick Wire, 1-3/4" Spacing, 0.49 Lb./SF, Woven And Welded Wire Cloth Panels	10.46	3.24
		For Up To 2, Add	*2.96*	
		For >2 To 6, Add	*1.69*	
		For >15 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.92*	
		For Galvanized, Add	*2.70*	
		For Aluminum, Add	*3.68*	
		For 304 Stainless Steel, Add	*14.74*	
		For 316 Stainless Steel, Add	*16.89*	
05 59 69 00-0014	SF	0.135" Thick Wire, 1-3/4" Spacing, 0.62 Lb./SF, Woven And Welded Wire Cloth Panels	11.51	3.41
		For Up To 2, Add	*3.21*	
		For >2 To 6, Add	*1.84*	
		For >15 To 40, Deduct	*-0.35*	
		For >40, Deduct	*-1.04*	
		For Galvanized, Add	*3.06*	
		For Aluminum, Add	*4.17*	
		For 304 Stainless Steel, Add	*16.68*	
		For 316 Stainless Steel, Add	*19.11*	
05 59 69 00-0015	SF	0.148" Thick Wire, 1-3/4" Spacing, 0.74 Lb./SF, Woven And Welded Wire Cloth Panels	12.37	3.83
		For Up To 2, Add	*3.50*	
		For >2 To 6, Add	*2.00*	
		For >15 To 40, Deduct	*-0.36*	
		For >40, Deduct	*-1.09*	
		For Galvanized, Add	*3.19*	
		For Aluminum, Add	*4.36*	
		For 304 Stainless Steel, Add	*17.42*	
		For 316 Stainless Steel, Add	*19.97*	
05 59 69 00-0016	SF	0.162" Thick Wire, 1-3/4" Spacing, 0.88 Lb./SF, Woven And Welded Wire Cloth Panels	12.92	3.95
		For Up To 2, Add	*3.64*	
		For >2 To 6, Add	*2.08*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.37*	
		For Aluminum, Add	*4.59*	
		For 304 Stainless Steel, Add	*18.36*	
		For 316 Stainless Steel, Add	*21.04*	
05 59 69 00-0017	SF	0.177" Thick Wire, 1-3/4" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	14.14	4.43
		For Up To 2, Add	*4.01*	
		For >2 To 6, Add	*2.30*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.62*	
		For Aluminum, Add	*4.94*	
		For 304 Stainless Steel, Add	*19.75*	
		For 316 Stainless Steel, Add	*22.63*	
05 59 69 00-0018	SF	0.192" Thick Wire, 1-3/4" Spacing, 1.22 Lb./SF, Woven And Welded Wire Cloth Panels	16.25	4.95
		For Up To 2, Add	*4.57*	
		For >2 To 6, Add	*2.62*	
		For >15 To 40, Deduct	*-0.48*	
		For >40, Deduct	*-1.45*	
		For Galvanized, Add	*4.25*	
		For Aluminum, Add	*5.79*	
		For 304 Stainless Steel, Add	*23.16*	
		For 316 Stainless Steel, Add	*26.54*	
05 59 69 00-0019	SF	0.207" Thick Wire, 1-3/4" Spacing, 1.41 Lb./SF, Woven And Welded Wire Cloth Panels	18.40	5.43
		For Up To 2, Add	*5.13*	
		For >2 To 6, Add	*2.93*	
		For >15 To 40, Deduct	*-0.56*	
		For >40, Deduct	*-1.67*	
		For Galvanized, Add	*4.91*	
		For Aluminum, Add	*6.70*	
		For 304 Stainless Steel, Add	*26.78*	
		For 316 Stainless Steel, Add	*30.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0020	SF	0.225" Thick Wire, 1-3/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	21.12	6.03
		For Up To 2, Add	*5.84*	
		For >2 To 6, Add	*3.32*	
		For >15 To 40, Deduct	*-0.65*	
		For >40, Deduct	*-1.96*	
		For Galvanized, Add	*5.75*	
		For Aluminum, Add	*7.84*	
		For 304 Stainless Steel, Add	*31.34*	
		For 316 Stainless Steel, Add	*35.92*	
05 59 69 00-0021		1-1/2" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0022	SF	0.12" Thick Wire, 1-1/2" Spacing, 0.57 Lb./SF, Woven And Welded Wire Cloth Panels	11.58	3.60
		For Up To 2, Add	*3.27*	
		For >2 To 6, Add	*1.88*	
		For >15 To 40, Deduct	*-0.34*	
		For >40, Deduct	*-1.02*	
		For Galvanized, Add	*2.99*	
		For Aluminum, Add	*4.08*	
		For 304 Stainless Steel, Add	*16.32*	
		For 316 Stainless Steel, Add	*18.70*	
05 59 69 00-0023	SF	0.135" Thick Wire, 1-1/2" Spacing, 0.72 Lb./SF, Woven And Welded Wire Cloth Panels	12.72	3.78
		For Up To 2, Add	*3.55*	
		For >2 To 6, Add	*2.03*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.15*	
		For Galvanized, Add	*3.38*	
		For Aluminum, Add	*4.61*	
		For 304 Stainless Steel, Add	*18.43*	
		For 316 Stainless Steel, Add	*21.12*	
05 59 69 00-0024	SF	0.148" Thick Wire, 1-1/2" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	13.53	4.19
		For Up To 2, Add	*3.82*	
		For >2 To 6, Add	*2.19*	
		For >15 To 40, Deduct	*-0.40*	
		For >40, Deduct	*-1.19*	
		For Galvanized, Add	*3.49*	
		For Aluminum, Add	*4.76*	
		For 304 Stainless Steel, Add	*19.06*	
		For 316 Stainless Steel, Add	*21.84*	
05 59 69 00-0025	SF	0.162" Thick Wire, 1-1/2" Spacing, 1.02 Lb./SF, Woven And Welded Wire Cloth Panels	14.26	4.36
		For Up To 2, Add	*4.02*	
		For >2 To 6, Add	*2.30*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.27*	
		For Galvanized, Add	*3.71*	
		For Aluminum, Add	*5.06*	
		For 304 Stainless Steel, Add	*20.26*	
		For 316 Stainless Steel, Add	*23.21*	
05 59 69 00-0026	SF	0.177" Thick Wire, 1-1/2" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	15.55	4.87
		For Up To 2, Add	*4.41*	
		For >2 To 6, Add	*2.53*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.36*	
		For Galvanized, Add	*3.98*	
		For Aluminum, Add	*5.42*	
		For 304 Stainless Steel, Add	*21.70*	
		For 316 Stainless Steel, Add	*24.86*	
05 59 69 00-0027	SF	0.192" Thick Wire, 1-1/2" Spacing, 1.4 Lb./SF, Woven And Welded Wire Cloth Panels	17.75	5.41
		For Up To 2, Add	*4.99*	
		For >2 To 6, Add	*2.86*	
		For >15 To 40, Deduct	*-0.53*	
		For >40, Deduct	*-1.58*	
		For Galvanized, Add	*4.64*	
		For Aluminum, Add	*6.33*	
		For 304 Stainless Steel, Add	*25.32*	
		For 316 Stainless Steel, Add	*29.01*	
05 59 69 00-0028	SF	0.207" Thick Wire, 1-1/2" Spacing, 1.62 Lb./SF, Woven And Welded Wire Cloth Panels	20.13	5.94
		For Up To 2, Add	*5.61*	
		For >2 To 6, Add	*3.20*	
		For >15 To 40, Deduct	*-0.61*	
		For >40, Deduct	*-1.83*	
		For Galvanized, Add	*5.37*	
		For Aluminum, Add	*7.33*	
		For 304 Stainless Steel, Add	*29.30*	
		For 316 Stainless Steel, Add	*33.58*	
05 59 69 00-0029	SF	0.225" Thick Wire, 1-1/2" Spacing, 1.89 Lb./SF, Woven And Welded Wire Cloth Panels	23.01	6.59
		For Up To 2, Add	*6.36*	
		For >2 To 6, Add	*3.62*	
		For >15 To 40, Deduct	*-0.71*	
		For >40, Deduct	*-2.14*	
		For Galvanized, Add	*6.27*	
		For Aluminum, Add	*8.54*	
		For 304 Stainless Steel, Add	*34.18*	
		For 316 Stainless Steel, Add	*39.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0030		1-1/4" Square Wire Spacing *(05 59 69 00-0002)*		
05 59 69 00-0031	SF	0.105" Thick Wire, 1-1/4" Spacing, 0.52 Lb./SF, Woven And Welded Wire Cloth Panels	11.85	3.89
		For Up To 2, Add	*3.41*	
		For >2 To 6, Add	*1.96*	
		For >15 To 40, Deduct	*-0.33*	
		For >40, Deduct	*-1.00*	
		For Galvanized, Add	*2.93*	
		For Aluminum, Add	*4.00*	
		For 304 Stainless Steel, Add	*15.98*	
		For 316 Stainless Steel, Add	*18.32*	
05 59 69 00-0032	SF	0.12" Thick Wire, 1-1/4" Spacing, 0.68 Lb./SF, Woven And Welded Wire Cloth Panels	12.81	4.08
		For Up To 2, Add	*3.65*	
		For >2 To 6, Add	*2.10*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.11*	
		For Galvanized, Add	*3.24*	
		For Aluminum, Add	*4.42*	
		For 304 Stainless Steel, Add	*17.69*	
		For 316 Stainless Steel, Add	*20.27*	
05 59 69 00-0033	SF	0.135" Thick Wire, 1-1/4" Spacing, 0.85 Lb./SF, Woven And Welded Wire Cloth Panels	13.92	4.25
		For Up To 2, Add	*3.92*	
		For >2 To 6, Add	*2.24*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.24*	
		For Galvanized, Add	*3.63*	
		For Aluminum, Add	*4.95*	
		For 304 Stainless Steel, Add	*19.80*	
		For 316 Stainless Steel, Add	*22.69*	
05 59 69 00-0034	SF	0.148" Thick Wire, 1-1/4" Spacing, 1.01 Lb./SF, Woven And Welded Wire Cloth Panels	14.34	4.33
		For Up To 2, Add	*4.02*	
		For >2 To 6, Add	*2.30*	
		For >15 To 40, Deduct	*-0.43*	
		For >40, Deduct	*-1.29*	
		For Galvanized, Add	*3.77*	
		For Aluminum, Add	*5.14*	
		For 304 Stainless Steel, Add	*20.57*	
		For 316 Stainless Steel, Add	*23.57*	
05 59 69 00-0035	SF	0.162" Thick Wire, 1-1/4" Spacing, 1.2 Lb./SF, Woven And Welded Wire Cloth Panels	15.55	4.89
		For Up To 2, Add	*4.41*	
		For >2 To 6, Add	*2.53*	
		For >15 To 40, Deduct	*-0.45*	
		For >40, Deduct	*-1.35*	
		For Galvanized, Add	*3.97*	
		For Aluminum, Add	*5.42*	
		For 304 Stainless Steel, Add	*21.67*	
		For 316 Stainless Steel, Add	*24.83*	
05 59 69 00-0036	SF	0.177" Thick Wire, 1-1/4" Spacing, 1.42 Lb./SF, Woven And Welded Wire Cloth Panels	17.52	5.50
		For Up To 2, Add	*4.97*	
		For >2 To 6, Add	*2.85*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.53*	
		For Galvanized, Add	*4.48*	
		For Aluminum, Add	*6.11*	
		For 304 Stainless Steel, Add	*24.46*	
		For 316 Stainless Steel, Add	*28.02*	
05 59 69 00-0037	SF	0.192" Thick Wire, 1-1/4" Spacing, 1.65 Lb./SF, Woven And Welded Wire Cloth Panels	19.93	6.07
		For Up To 2, Add	*5.60*	
		For >2 To 6, Add	*3.21*	
		For >15 To 40, Deduct	*-0.59*	
		For >40, Deduct	*-1.78*	
		For Galvanized, Add	*5.21*	
		For Aluminum, Add	*7.10*	
		For 304 Stainless Steel, Add	*28.42*	
		For 316 Stainless Steel, Add	*32.56*	
05 59 69 00-0038	SF	0.207" Thick Wire, 1-1/4" Spacing, 1.9 Lb./SF, Woven And Welded Wire Cloth Panels	22.48	6.64
		For Up To 2, Add	*6.26*	
		For >2 To 6, Add	*3.57*	
		For >15 To 40, Deduct	*-0.68*	
		For >40, Deduct	*-2.05*	
		For Galvanized, Add	*6.00*	
		For Aluminum, Add	*8.18*	
		For 304 Stainless Steel, Add	*32.74*	
		For 316 Stainless Steel, Add	*37.51*	
05 59 69 00-0039	SF	0.225" Thick Wire, 1-1/4" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	25.76	7.36
		For Up To 2, Add	*7.12*	
		For >2 To 6, Add	*4.05*	
		For >15 To 40, Deduct	*-0.80*	
		For >40, Deduct	*-2.39*	
		For Galvanized, Add	*7.01*	
		For Aluminum, Add	*9.56*	
		For 304 Stainless Steel, Add	*38.26*	
		For 316 Stainless Steel, Add	*43.84*	
05 59 69 00-0040		1" Square Wire Spacing *(05 59 69 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0041	SF	0.105" Thick Wire, 1" Spacing, 0.64 Lb./SF, Woven And Welded Wire Cloth Panels	13.52	4.56
		For Up To 2, Add	*3.92*	
		For >2 To 6, Add	*2.26*	
		For >15 To 40, Deduct	*-0.37*	
		For >40, Deduct	*-1.12*	
		For Galvanized, Add	*3.28*	
		For Aluminum, Add	*4.47*	
		For 304 Stainless Steel, Add	*17.88*	
		For 316 Stainless Steel, Add	*20.49*	
05 59 69 00-0042	SF	0.12" Thick Wire, 1" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	14.50	4.74
		For Up To 2, Add	*4.16*	
		For >2 To 6, Add	*2.40*	
		For >15 To 40, Deduct	*-0.41*	
		For >40, Deduct	*-1.23*	
		For Galvanized, Add	*3.60*	
		For Aluminum, Add	*4.91*	
		For 304 Stainless Steel, Add	*19.63*	
		For 316 Stainless Steel, Add	*22.50*	
05 59 69 00-0043	SF	0.135" Thick Wire, 1" Spacing, 1.04 Lb./SF, Woven And Welded Wire Cloth Panels	15.10	4.95
		For Up To 2, Add	*4.34*	
		For >2 To 6, Add	*2.50*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.27*	
		For Galvanized, Add	*3.74*	
		For Aluminum, Add	*5.09*	
		For 304 Stainless Steel, Add	*20.38*	
		For 316 Stainless Steel, Add	*23.35*	
05 59 69 00-0044	SF	0.148" Thick Wire, 1" Spacing, 1.23 Lb./SF, Woven And Welded Wire Cloth Panels	16.19	5.02
		For Up To 2, Add	*4.58*	
		For >2 To 6, Add	*2.62*	
		For >15 To 40, Deduct	*-0.47*	
		For >40, Deduct	*-1.42*	
		For Galvanized, Add	*4.18*	
		For Aluminum, Add	*5.69*	
		For 304 Stainless Steel, Add	*22.78*	
		For 316 Stainless Steel, Add	*26.10*	
05 59 69 00-0045	SF	0.162" Thick Wire, 1" Spacing, 1.46 Lb./SF, Woven And Welded Wire Cloth Panels	18.01	5.66
		For Up To 2, Add	*5.11*	
		For >2 To 6, Add	*2.93*	
		For >15 To 40, Deduct	*-0.52*	
		For >40, Deduct	*-1.57*	
		For Galvanized, Add	*4.60*	
		For Aluminum, Add	*6.28*	
		For 304 Stainless Steel, Add	*25.10*	
		For 316 Stainless Steel, Add	*28.77*	
05 59 69 00-0046	SF	0.177" Thick Wire, 1" Spacing, 1.72 Lb./SF, Woven And Welded Wire Cloth Panels	20.21	6.34
		For Up To 2, Add	*5.73*	
		For >2 To 6, Add	*3.29*	
		For >15 To 40, Deduct	*-0.59*	
		For >40, Deduct	*-1.76*	
		For Galvanized, Add	*5.17*	
		For Aluminum, Add	*7.06*	
		For 304 Stainless Steel, Add	*28.22*	
		For 316 Stainless Steel, Add	*32.34*	
05 59 69 00-0047	SF	0.192" Thick Wire, 1" Spacing, 2.01 Lb./SF, Woven And Welded Wire Cloth Panels	23.12	7.03
		For Up To 2, Add	*6.50*	
		For >2 To 6, Add	*3.72*	
		For >15 To 40, Deduct	*-0.69*	
		For >40, Deduct	*-2.06*	
		For Galvanized, Add	*6.05*	
		For Aluminum, Add	*8.24*	
		For 304 Stainless Steel, Add	*32.98*	
		For 316 Stainless Steel, Add	*37.79*	
05 59 69 00-0048	SF	0.207" Thick Wire, 1" Spacing, 2.31 Lb./SF, Woven And Welded Wire Cloth Panels	26.03	7.68
		For Up To 2, Add	*7.25*	
		For >2 To 6, Add	*4.14*	
		For >15 To 40, Deduct	*-0.79*	
		For >40, Deduct	*-2.37*	
		For Galvanized, Add	*6.95*	
		For Aluminum, Add	*9.47*	
		For 304 Stainless Steel, Add	*37.90*	
		For 316 Stainless Steel, Add	*43.42*	
05 59 69 00-0049	SF	0.225" Thick Wire, 1" Spacing, 2.69 Lb./SF, Woven And Welded Wire Cloth Panels	29.72	8.50
		For Up To 2, Add	*8.21*	
		For >2 To 6, Add	*4.67*	
		For >15 To 40, Deduct	*-0.92*	
		For >40, Deduct	*-2.76*	
		For Galvanized, Add	*8.09*	
		For Aluminum, Add	*11.03*	
		For 304 Stainless Steel, Add	*44.14*	
		For 316 Stainless Steel, Add	*50.57*	

05 59 69 00-0050 3/4" Square Wire Spacing *(05 59 69 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0051	SF	0.105" Thick Wire, 3/4" Spacing, 0.83 Lb./SF, Woven And Welded Wire Cloth Panels	13.69	4.55
		For Up To 2, Add	*3.95*	
		For >2 To 6, Add	*2.28*	
		For >15 To 40, Deduct	*-0.38*	
		For >40, Deduct	*-1.14*	
		For Galvanized, Add	*3.36*	
		For Aluminum, Add	*4.58*	
		For 304 Stainless Steel, Add	*18.31*	
		For 316 Stainless Steel, Add	*20.98*	
05 59 69 00-0052	SF	0.12" Thick Wire, 3/4" Spacing, 1.07 Lb./SF, Woven And Welded Wire Cloth Panels	15.28	5.10
		For Up To 2, Add	*4.41*	
		For >2 To 6, Add	*2.55*	
		For >15 To 40, Deduct	*-0.42*	
		For >40, Deduct	*-1.27*	
		For Galvanized, Add	*3.74*	
		For Aluminum, Add	*5.09*	
		For 304 Stainless Steel, Add	*20.38*	
		For 316 Stainless Steel, Add	*23.35*	
05 59 69 00-0053	SF	0.135" Thick Wire, 3/4" Spacing, 1.33 Lb./SF, Woven And Welded Wire Cloth Panels	16.91	5.76
		For Up To 2, Add	*4.92*	
		For >2 To 6, Add	*2.84*	
		For >15 To 40, Deduct	*-0.46*	
		For >40, Deduct	*-1.39*	
		For Galvanized, Add	*4.07*	
		For Aluminum, Add	*5.54*	
		For 304 Stainless Steel, Add	*22.18*	
		For 316 Stainless Steel, Add	*25.41*	
05 59 69 00-0054	SF	0.148" Thick Wire, 3/4" Spacing, 1.58 Lb./SF, Woven And Welded Wire Cloth Panels	18.29	6.14
		For Up To 2, Add	*5.30*	
		For >2 To 6, Add	*3.06*	
		For >15 To 40, Deduct	*-0.51*	
		For >40, Deduct	*-1.52*	
		For Galvanized, Add	*4.44*	
		For Aluminum, Add	*6.06*	
		For 304 Stainless Steel, Add	*24.24*	
		For 316 Stainless Steel, Add	*27.78*	
05 59 69 00-0055	SF	0.162" Thick Wire, 3/4" Spacing, 1.87 Lb./SF, Woven And Welded Wire Cloth Panels	21.17	6.91
		For Up To 2, Add	*6.08*	
		For >2 To 6, Add	*3.50*	
		For >15 To 40, Deduct	*-0.60*	
		For >40, Deduct	*-1.79*	
		For Galvanized, Add	*5.26*	
		For Aluminum, Add	*7.18*	
		For 304 Stainless Steel, Add	*28.70*	
		For 316 Stainless Steel, Add	*32.89*	
05 59 69 00-0056	SF	0.177" Thick Wire, 3/4" Spacing, 2.2 Lb./SF, Woven And Welded Wire Cloth Panels	24.36	7.73
		For Up To 2, Add	*6.93*	
		For >2 To 6, Add	*3.98*	
		For >15 To 40, Deduct	*-0.70*	
		For >40, Deduct	*-2.11*	
		For Galvanized, Add	*6.19*	
		For Aluminum, Add	*8.44*	
		For 304 Stainless Steel, Add	*33.77*	
		For 316 Stainless Steel, Add	*38.69*	
05 59 69 00-0057	SF	0.192" Thick Wire, 3/4" Spacing, 2.56 Lb./SF, Woven And Welded Wire Cloth Panels	27.75	8.53
		For Up To 2, Add	*7.83*	
		For >2 To 6, Add	*4.48*	
		For >15 To 40, Deduct	*-0.82*	
		For >40, Deduct	*-2.46*	
		For Galvanized, Add	*7.20*	
		For Aluminum, Add	*9.82*	
		For 304 Stainless Steel, Add	*39.29*	
		For 316 Stainless Steel, Add	*45.02*	
05 59 69 00-0058	SF	0.207" Thick Wire, 3/4" Spacing, 2.93 Lb./SF, Woven And Welded Wire Cloth Panels	31.11	9.28
		For Up To 2, Add	*8.70*	
		For >2 To 6, Add	*4.97*	
		For >15 To 40, Deduct	*-0.94*	
		For >40, Deduct	*-2.81*	
		For Galvanized, Add	*8.25*	
		For Aluminum, Add	*11.24*	
		For 304 Stainless Steel, Add	*44.98*	
		For 316 Stainless Steel, Add	*51.54*	
05 59 69 00-0059	SF	0.225" Thick Wire, 3/4" Spacing, 3.41 Lb./SF, Woven And Welded Wire Cloth Panels	35.49	10.26
		For Up To 2, Add	*9.83*	
		For >2 To 6, Add	*5.60*	
		For >15 To 40, Deduct	*-1.09*	
		For >40, Deduct	*-3.27*	
		For Galvanized, Add	*9.60*	
		For Aluminum, Add	*13.09*	
		For 304 Stainless Steel, Add	*52.34*	
		For 316 Stainless Steel, Add	*59.98*	

05 59 69 00-0060 1/2" Square Wire Spacing *(05 59 69 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0061	SF	0.105" Thick Wire, 1/2" Spacing, 1.18 Lb./SF, Woven And Welded Wire Cloth Panels	14.30	4.86
		For Up To 2, Add	*4.16*	
		For >2 To 6, Add	*2.40*	
		For >15 To 40, Deduct	*-0.39*	
		For >40, Deduct	*-1.17*	
		For Galvanized, Add	*3.44*	
		For Aluminum, Add	*4.69*	
		For 304 Stainless Steel, Add	*18.74*	
		For 316 Stainless Steel, Add	*21.48*	
05 59 69 00-0062	SF	0.12" Thick Wire, 1/2" Spacing, 1.51 Lb./SF, Woven And Welded Wire Cloth Panels	16.72	5.91
		For Up To 2, Add	*4.92*	
		For >2 To 6, Add	*2.86*	
		For >15 To 40, Deduct	*-0.44*	
		For >40, Deduct	*-1.32*	
		For Galvanized, Add	*3.88*	
		For Aluminum, Add	*5.29*	
		For 304 Stainless Steel, Add	*21.17*	
		For 316 Stainless Steel, Add	*24.26*	
05 59 69 00-0063	SF	0.135" Thick Wire, 1/2" Spacing, 1.88 Lb./SF, Woven And Welded Wire Cloth Panels	20.21	7.00
		For Up To 2, Add	*5.91*	
		For >2 To 6, Add	*3.42*	
		For >15 To 40, Deduct	*-0.54*	
		For >40, Deduct	*-1.63*	
		For Galvanized, Add	*4.79*	
		For Aluminum, Add	*6.53*	
		For 304 Stainless Steel, Add	*26.11*	
		For 316 Stainless Steel, Add	*29.92*	
05 59 69 00-0064	SF	0.148" Thick Wire, 1/2" Spacing, 2.22 Lb./SF, Woven And Welded Wire Cloth Panels	23.32	7.85
		For Up To 2, Add	*6.76*	
		For >2 To 6, Add	*3.90*	
		For >15 To 40, Deduct	*-0.64*	
		For >40, Deduct	*-1.93*	
		For Galvanized, Add	*5.65*	
		For Aluminum, Add	*7.71*	
		For 304 Stainless Steel, Add	*30.84*	
		For 316 Stainless Steel, Add	*35.34*	
05 59 69 00-0065	SF	0.162" Thick Wire, 1/2" Spacing, 2.61 Lb./SF, Woven And Welded Wire Cloth Panels	26.79	8.76
		For Up To 2, Add	*7.69*	
		For >2 To 6, Add	*4.43*	
		For >15 To 40, Deduct	*-0.76*	
		For >40, Deduct	*-2.27*	
		For Galvanized, Add	*6.65*	
		For Aluminum, Add	*9.07*	
		For 304 Stainless Steel, Add	*36.26*	
		For 316 Stainless Steel, Add	*41.55*	
05 59 69 00-0066	SF	0.177" Thick Wire, 1/2" Spacing, 3.06 Lb./SF, Woven And Welded Wire Cloth Panels	30.73	9.76
		For Up To 2, Add	*8.75*	
		For >2 To 6, Add	*5.03*	
		For >15 To 40, Deduct	*-0.89*	
		For >40, Deduct	*-2.66*	
		For Galvanized, Add	*7.79*	
		For Aluminum, Add	*10.63*	
		For 304 Stainless Steel, Add	*42.50*	
		For 316 Stainless Steel, Add	*48.70*	
05 59 69 00-0067	SF	0.192" Thick Wire, 1/2" Spacing, 3.54 Lb./SF, Woven And Welded Wire Cloth Panels	34.80	10.74
		For Up To 2, Add	*9.82*	
		For >2 To 6, Add	*5.63*	
		For >15 To 40, Deduct	*-1.02*	
		For >40, Deduct	*-3.07*	
		For Galvanized, Add	*9.02*	
		For Aluminum, Add	*12.29*	
		For 304 Stainless Steel, Add	*49.18*	
		For 316 Stainless Steel, Add	*56.35*	
05 59 69 00-0068	SF	0.207" Thick Wire, 1/2" Spacing, 4.04 Lb./SF, Woven And Welded Wire Cloth Panels	38.90	11.64
		For Up To 2, Add	*10.88*	
		For >2 To 6, Add	*6.22*	
		For >15 To 40, Deduct	*-1.17*	
		For >40, Deduct	*-3.51*	
		For Galvanized, Add	*10.29*	
		For Aluminum, Add	*14.03*	
		For 304 Stainless Steel, Add	*56.14*	
		For 316 Stainless Steel, Add	*64.32*	
05 59 69 00-0069	SF	0.225" Thick Wire, 1/2" Spacing, 4.68 Lb./SF, Woven And Welded Wire Cloth Panels	40.46	12.81
		For Up To 2, Add	*11.51*	
		For >2 To 6, Add	*6.61*	
		For >15 To 40, Deduct	*-1.17*	
		For >40, Deduct	*-3.51*	
		For Galvanized, Add	*10.29*	
		For Aluminum, Add	*14.03*	
		For 304 Stainless Steel, Add	*56.14*	
		For 316 Stainless Steel, Add	*64.32*	

05 59 69 00-0070 Expanded Metal Panels *(05 59 69)*

Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 59 69 00-0071		Plain Flattened Expanded Metal Diamond Shape Panels *(05 59 69 00-0070)*		
		Note: Excludes frame and fastening to frame. See CSI section 05 05 21 00-0004 for spot welding.		
05 59 69 00-0072	SF	1/4" #20-F Plain Expanded Metal Panel, 0.82 Lb./SF	10.16	4.19
		For Galvanized, Add	*2.01*	
		For Aluminum, Add	*2.74*	
		For 304 Stainless Steel, Add	*10.97*	
		For 316 Stainless Steel, Add	*12.57*	
05 59 69 00-0073	SF	1/4" #18-F Plain Expanded Metal Panel, 1.08 Lb./SF	12.58	4.59
		For Galvanized, Add	*2.84*	
		For Aluminum, Add	*3.88*	
		For 304 Stainless Steel, Add	*15.50*	
		For 316 Stainless Steel, Add	*17.77*	
05 59 69 00-0074	SF	1/2" #20-F Plain Expanded Metal Panel, 0.40 Lb./SF	7.39	3.24
		For Galvanized, Add	*1.35*	
		For Aluminum, Add	*1.84*	
		For 304 Stainless Steel, Add	*7.37*	
		For 316 Stainless Steel, Add	*8.44*	
05 59 69 00-0075	SF	1/2" #18-F Plain Expanded Metal Panel, 0.66 Lb./SF	8.06	3.53
		For Galvanized, Add	*1.48*	
		For Aluminum, Add	*2.02*	
		For 304 Stainless Steel, Add	*8.06*	
		For 316 Stainless Steel, Add	*9.24*	
05 59 69 00-0076	SF	1/2" #16-F Plain Expanded Metal Panel, 0.82 Lb./SF	9.18	4.19
		For Galvanized, Add	*1.58*	
		For Aluminum, Add	*2.15*	
		For 304 Stainless Steel, Add	*8.62*	
		For 316 Stainless Steel, Add	*9.87*	
05 59 69 00-0077	SF	1/2" #13-F Plain Expanded Metal Panel, 1.4 Lb./SF	11.76	5.41
		For Galvanized, Add	*2.01*	
		For Aluminum, Add	*2.74*	
		For 304 Stainless Steel, Add	*10.94*	
		For 316 Stainless Steel, Add	*12.54*	
05 59 69 00-0078	SF	3/4" #16-F Plain Expanded Metal Panel, 0.51 Lb./SF	6.54	3.18
		For Galvanized, Add	*1.01*	
		For Aluminum, Add	*1.37*	
		For 304 Stainless Steel, Add	*5.50*	
		For 316 Stainless Steel, Add	*6.30*	
05 59 69 00-0079	SF	3/4" #14-F Plain Expanded Metal Panel, 0.63 Lb./SF	7.29	3.41
		For Galvanized, Add	*1.20*	
		For Aluminum, Add	*1.64*	
		For 304 Stainless Steel, Add	*6.55*	
		For 316 Stainless Steel, Add	*7.51*	
05 59 69 00-0080	SF	3/4" #13-F Plain Expanded Metal Panel, 0.75 Lb./SF	8.30	3.83
		For Galvanized, Add	*1.40*	
		For Aluminum, Add	*1.91*	
		For 304 Stainless Steel, Add	*7.66*	
		For 316 Stainless Steel, Add	*8.77*	
05 59 69 00-0081	SF	3/4" #9-F Plain Expanded Metal Panel, 1.50 Lb./SF	13.16	6.34
		For Galvanized, Add	*2.07*	
		For Aluminum, Add	*2.83*	
		For 304 Stainless Steel, Add	*11.30*	
		For 316 Stainless Steel, Add	*12.95*	
05 59 69 00-0082	SF	1" #16-F Plain Expanded Metal Panel, 0.41 Lb./SF	7.41	3.89
		For Galvanized, Add	*0.98*	
		For Aluminum, Add	*1.33*	
		For 304 Stainless Steel, Add	*5.33*	
		For 316 Stainless Steel, Add	*6.11*	
05 59 69 00-0083	SF	1-1/2" #16-F Plain Expanded Metal Panel, 0.38 Lb./SF	6.31	3.06
		For Galvanized, Add	*0.98*	
		For Aluminum, Add	*1.34*	
		For 304 Stainless Steel, Add	*5.35*	
		For 316 Stainless Steel, Add	*6.13*	
05 59 69 00-0084	SF	1-1/2" #13-F Plain Expanded Metal Panel, 0.57 Lb./SF	7.29	3.60
		For Galvanized, Add	*1.10*	
		For Aluminum, Add	*1.51*	
		For 304 Stainless Steel, Add	*6.02*	
		For 316 Stainless Steel, Add	*6.90*	
05 59 69 00-0085	SF	1-1/2" #9-F Plain Expanded Metal Panel, 1.14 Lb./SF	11.12	4.86
		For Galvanized, Add	*2.04*	
		For Aluminum, Add	*2.78*	
		For 304 Stainless Steel, Add	*11.11*	
		For 316 Stainless Steel, Add	*12.73*	

05 70 Decorative Metal *(05)*

Note: Includes anchors and related accessories.

05 71 Decorative Metal Stairs *(05 70)*

05 71 13 Fabricated Metal Spiral Stairs *(05 71)*

Note: Includes factory prime.

05 71 13 00-0001 Spiral Stairs, Stock Units *(05 71 13)*

Note: Includes factory prime.

05 71 13 00-0002 Steel Tread *(05 71 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 71 13 00-0003	VLF	3'-6" Diameter, Spiral Steel Stair With Rails	456.65	55.53
		For Galvanized, Add	*241.91*	
05 71 13 00-0004	VLF	4' Diameter, Spiral Steel Stair With Rails	519.99	61.09
		For Galvanized, Add	*278.47*	
05 71 13 00-0005	VLF	4'-6" Diameter, Spiral Steel Stair With Rails	575.30	66.64
		For Galvanized, Add	*309.41*	
05 71 13 00-0006	VLF	5' Diameter, Spiral Steel Stair With Rails	616.55	72.20
		For Galvanized, Add	*330.51*	

05 73 Decorative Metal Railings *(05 70)*

Note: Factory primed. Includes brackets.

05 73 23 Decorative Metal Railings *(05 73)*

05 73 23 00-0001 Railings; Vertical Square Bars At 6" *(05 73 23)*

Note: Centers with shaped top rails (round, square, rectangular, diamond, triangular or other shape).

05 73 23 00-0002	LF	Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	76.51	12.22
		For Rake Or Angle Railings, Add	*10.66*	
		For Curved Railings, Add	*20.21*	
		For 4" On Center Standards, Add	*2.05*	
		For 4-1/2" On Center Standards, Add	*1.64*	
		For 5" On Center Standards, Add	*1.09*	
		For 5-1/2" On Center Standards, Add	*0.55*	
		For Each Field Bending Of Rails, Add	*14.81*	
		For Galvanized, Add	*3.82*	
05 73 23 00-0003	LF	Aluminum Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	180.36	16.66
		For Rake Or Angle Railings, Add	*19.62*	
		For Curved Railings, Add	*63.11*	
		For 4" On Center Standards, Add	*8.45*	
		For 4-1/2" On Center Standards, Add	*6.76*	
		For 5" On Center Standards, Add	*4.51*	
		For 5-1/2" On Center Standards, Add	*2.25*	
		For Each Field Bending Of Rails, Add	*19.43*	
05 73 23 00-0004	LF	Bronze Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	192.72	27.77
		For Rake Or Angle Railings, Add	*23.86*	
		For Curved Railings, Add	*59.30*	
		For 4" On Center Standards, Add	*7.12*	
		For 4-1/2" On Center Standards, Add	*5.70*	
		For 5" On Center Standards, Add	*3.80*	
		For 5-1/2" On Center Standards, Add	*1.90*	
		For Each Field Bending Of Rails, Add	*26.94*	
05 73 23 00-0005	LF	Stainless Steel Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	296.28	22.21
		For Rake Or Angle Railings, Add	*29.84*	
		For Curved Railings, Add	*110.38*	
		For 4" On Center Standards, Add	*15.46*	
		For 4-1/2" On Center Standards, Add	*12.36*	
		For 5" On Center Standards, Add	*8.24*	
		For 5-1/2" On Center Standards, Add	*4.12*	
		For Each Field Bending Of Rails, Add	*25.05*	
05 73 23 00-0006	LF	Black Wrought Iron Ornamental Handrail Vertical Square Bars At 6", Shaped Top Rail, Up To 42" High	417.21	33.88
		For Rake Or Angle Railings, Add	*35.26*	
		For Curved Railings, Add	*174.41*	
		For 4" On Center Standards, Add	*26.21*	
		For 4-1/2" On Center Standards, Add	*20.97*	
		For 5" On Center Standards, Add	*13.98*	
		For 5-1/2" On Center Standards, Add	*6.99*	
		For Each Field Bending Of Rails, Add	*19.44*	

05 73 23 00-0007 Laminated Metal Or Wood Handrails With Metal Supports *(05 73 23)*

05 73 23 00-0008	LF	2-1/2" Laminated Metal Or Wood Handrail Round/Oval Shape With Metal Supports	177.99	5.56
		For Rake Or Angle Railings, Add	*14.00*	
		For Curved Railings, Add	*77.34*	
		For 4" On Center Standards, Add	*11.87*	
		For 4-1/2" On Center Standards, Add	*9.49*	
		For 5" On Center Standards, Add	*6.33*	
		For 5-1/2" On Center Standards, Add	*3.16*	
		For Each Field Bending Of Rails, Add	*7.44*	
		For Exterior Post-Installed Anchors, Add	*10.68*	

05 73 23 00-0009 Plain Handrails *(05 73 23)*

05 73 23 00-0010	LF	2" Brass Handrail	61.18	12.13
05 73 23 00-0011	EA	90 Degree Angle For 2" Brass Handrail	124.24	43.98
05 73 23 00-0012	EA	End Cap For 2" Brass Handrail	55.81	22.05
05 73 23 00-0013	EA	Brass Bracket And Joint For 2" Brass Handrail	93.59	43.98
05 73 23 00-0014	LF	2" Stainless Steel Handrail	72.55	15.17

05 73 23 00-0015 Restoration Of Existing Metal Handrail And Railing *(05 73 23)*

Note: Task includes rust removal by grinding, cleaning, surface prep and one coat of protective primer. See CSI section 09 91 13 00-0369 for painting.

05 73 23 00-0016	LF	Refinish Metal Handrail	10.63	
05 73 23 00-0017	LF	Refinish Wrought Iron Balustrade	10.58	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 73 23 00-0018		Remove And Reinstall Ornamental Railing *(05 73 23)*		
05 73 23 00-0019	LF	Removal And Reinstallation Of Ornamental Handrail And Pickets	102.18	

05 75 Decorative Formed Metal *(05 70)*

05 75 00 00-0001 Metal Sheets, Installed On Walls *(05 75)*
Note: Includes field fabrication (bending) where noted.

05 75 00 00-0002 Copper Sheets, Installed On Walls *(05 75 00 00-0001)*
Note: Includes field fabrication.

05 75 00 00-0003	SF	0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls	28.33	2.60
		For >16 To 200, Deduct	*-1.61*	
		For >200 To 500, Deduct	*-3.23*	
		For >500, Deduct	*-4.64*	
05 75 00 00-0004	SF	0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls	35.28	2.91
		For >16 To 200, Deduct	*-1.98*	
		For >200 To 500, Deduct	*-3.96*	
		For >500, Deduct	*-5.73*	
05 75 00 00-0005	SF	0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls	38.61	3.13
		For >16 To 200, Deduct	*-2.17*	
		For >200 To 500, Deduct	*-4.33*	
		For >500, Deduct	*-6.26*	
05 75 00 00-0006	SF	0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls	41.67	3.29
		For >16 To 200, Deduct	*-2.33*	
		For >200 To 500, Deduct	*-4.66*	
		For >500, Deduct	*-6.74*	
05 75 00 00-0007	SF	0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls	47.43	3.44
		For >16 To 200, Deduct	*-2.63*	
		For >200 To 500, Deduct	*-5.26*	
		For >500, Deduct	*-7.63*	
05 75 00 00-0008	SF	0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls	59.89	3.61
		For >16 To 200, Deduct	*-3.27*	
		For >200 To 500, Deduct	*-6.53*	
		For >500, Deduct	*-9.52*	
05 75 00 00-0009	SF	0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls	70.07	3.77
		For >16 To 200, Deduct	*-3.79*	
		For >200 To 500, Deduct	*-7.57*	
		For >500, Deduct	*-11.08*	
05 75 00 00-0010	SF	0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls	84.70	4.07
		For >16 To 200, Deduct	*-4.54*	
		For >200 To 500, Deduct	*-9.08*	
		For >500, Deduct	*-13.32*	
05 75 00 00-0011	SF	0.08" Thick Copper Sheet, Installed On Walls	103.88	4.39
		For >16 To 200, Deduct	*-5.52*	
		For >200 To 500, Deduct	*-11.05*	
		For >500, Deduct	*-16.24*	
05 75 00 00-0012	SF	0.125" Thick Copper Sheet, Installed On Walls	152.08	4.70
		For >16 To 200, Deduct	*-7.96*	
		For >200 To 500, Deduct	*-15.91*	
		For >500, Deduct	*-23.52*	

05 75 00 00-0013 Stainless Steel Sheets, Installed On Walls *(05 75 00 00-0001)*
Note: Includes field fabrication.

05 75 00 00-0014	SF	0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	14.49	2.48
		For >16 To 200, Deduct	*-0.91*	
		For >200 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.54*	
05 75 00 00-0015	SF	0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	16.35	2.67
		For >16 To 200, Deduct	*-1.02*	
		For >200 To 500, Deduct	*-2.04*	
		For >500, Deduct	*-2.85*	
05 75 00 00-0016	SF	0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	17.76	2.81
		For >16 To 200, Deduct	*-1.10*	
		For >200 To 500, Deduct	*-2.20*	
		For >500, Deduct	*-3.09*	
05 75 00 00-0017	SF	0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	20.68	2.93
		For >16 To 200, Deduct	*-1.25*	
		For >200 To 500, Deduct	*-2.51*	
		For >500, Deduct	*-3.54*	
05 75 00 00-0018	SF	0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	23.52	3.07
		For >16 To 200, Deduct	*-1.41*	
		For >200 To 500, Deduct	*-2.81*	
		For >500, Deduct	*-3.99*	
05 75 00 00-0019	SF	0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	27.08	3.20
		For >16 To 200, Deduct	*-1.59*	
		For >200 To 500, Deduct	*-3.19*	
		For >500, Deduct	*-4.54*	
05 75 00 00-0020	SF	0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	38.66	3.74
		For >16 To 200, Deduct	*-2.21*	
		For >200 To 500, Deduct	*-4.43*	
		For >500, Deduct	*-6.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0021	SF	3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	51.89	3.97
		For >16 To 200, Deduct	*-2.89*	
		For >200 To 500, Deduct	*-5.78*	
		For >500, Deduct	*-8.38*	
05 75 00 00-0022	SF	1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls	70.82	4.81
		For >16 To 200, Deduct	*-3.90*	
		For >200 To 500, Deduct	*-7.80*	
		For >500, Deduct	*-11.34*	
05 75 00 00-0023	SF	3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	117.36	5.16
		For >16 To 200, Deduct	*-6.25*	
		For >200 To 500, Deduct	*-12.51*	
		For >500, Deduct	*-18.38*	
05 75 00 00-0024	SF	1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls	149.95	6.00
		For >16 To 200, Deduct	*-7.95*	
		For >200 To 500, Deduct	*-15.90*	
		For >500, Deduct	*-23.39*	

05 75 00 00-0025 Aluminum Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0026	SF	0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls	12.13	2.60
		For >16 To 200, Deduct	*-0.80*	
		For >200 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.21*	
05 75 00 00-0027	SF	0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls	13.77	2.91
		For >16 To 200, Deduct	*-0.91*	
		For >200 To 500, Deduct	*-1.81*	
		For >500, Deduct	*-2.50*	
05 75 00 00-0028	SF	0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls	15.35	3.13
		For >16 To 200, Deduct	*-1.00*	
		For >200 To 500, Deduct	*-2.01*	
		For >500, Deduct	*-2.77*	
05 75 00 00-0029	SF	0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls	16.98	3.29
		For >16 To 200, Deduct	*-1.10*	
		For >200 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.04*	
05 75 00 00-0030	SF	0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls	18.61	3.44
		For >16 To 200, Deduct	*-1.19*	
		For >200 To 500, Deduct	*-2.38*	
		For >500, Deduct	*-3.31*	
05 75 00 00-0031	SF	0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls	20.40	3.61
		For >16 To 200, Deduct	*-1.29*	
		For >200 To 500, Deduct	*-2.58*	
		For >500, Deduct	*-3.60*	
05 75 00 00-0032	SF	0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls	22.60	3.77
		For >16 To 200, Deduct	*-1.41*	
		For >200 To 500, Deduct	*-2.83*	
		For >500, Deduct	*-3.96*	
05 75 00 00-0033	SF	0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls	26.86	4.39
		For >16 To 200, Deduct	*-1.67*	
		For >200 To 500, Deduct	*-3.34*	
		For >500, Deduct	*-4.69*	

05 75 00 00-0034 Galvanized Steel Sheets, Installed On Walls *(05 75 00 00-0001)*

Note: Includes field fabrication.

05 75 00 00-0035	SF	0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	10.59	2.60
		For >16 To 200, Deduct	*-0.73*	
		For >200 To 500, Deduct	*-1.45*	
		For >500, Deduct	*-1.98*	
05 75 00 00-0036	SF	0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	11.74	2.91
		For >16 To 200, Deduct	*-0.80*	
		For >200 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.20*	
05 75 00 00-0037	SF	0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	12.51	3.13
		For >16 To 200, Deduct	*-0.86*	
		For >200 To 500, Deduct	*-1.72*	
		For >500, Deduct	*-2.35*	
05 75 00 00-0038	SF	0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	13.26	3.29
		For >16 To 200, Deduct	*-0.91*	
		For >200 To 500, Deduct	*-1.82*	
		For >500, Deduct	*-2.48*	
05 75 00 00-0039	SF	0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	14.23	3.44
		For >16 To 200, Deduct	*-0.97*	
		For >200 To 500, Deduct	*-1.94*	
		For >500, Deduct	*-2.65*	
05 75 00 00-0040	SF	0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	15.26	3.61
		For >16 To 200, Deduct	*-1.03*	
		For >200 To 500, Deduct	*-2.07*	
		For >500, Deduct	*-2.83*	
05 75 00 00-0041	SF	0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	16.88	3.77
		For >16 To 200, Deduct	*-1.13*	
		For >200 To 500, Deduct	*-2.25*	
		For >500, Deduct	*-3.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0042	SF	0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	19.23	4.07
		For >16 To 200, Deduct	*-1.27*	
		For >200 To 500, Deduct	*-2.53*	
		For >500, Deduct	*-3.50*	
05 75 00 00-0043	SF	0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls	22.17	4.70
		For >16 To 200, Deduct	*-1.46*	
		For >200 To 500, Deduct	*-2.92*	
		For >500, Deduct	*-4.03*	
05 75 00 00-0044		Galvanized Zinc-Plated Steel Sheets, Installed On Walls *(05 75 00 00-0001)*		
		Note: Includes field fabrication.		
05 75 00 00-0045	SF	0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	13.67	2.47
		For >16 To 200, Deduct	*-0.93*	
		For >200 To 500, Deduct	*-1.86*	
		For >500, Deduct	*-2.55*	
05 75 00 00-0046	SF	0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	15.74	2.80
		For >16 To 200, Deduct	*-1.07*	
		For >200 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.92*	
05 75 00 00-0047	SF	0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	17.79	3.11
		For >16 To 200, Deduct	*-1.20*	
		For >200 To 500, Deduct	*-2.40*	
		For >500, Deduct	*-3.29*	
05 75 00 00-0048	SF	0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls	19.59	3.36
		For >16 To 200, Deduct	*-1.32*	
		For >200 To 500, Deduct	*-2.63*	
		For >500, Deduct	*-3.61*	

END OF SECTION 05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 Wood, Plastics, and Composites

06 01 Maintenance of Wood, Plastics, and Composites *(06)*

06 01 20 Maintenance of Finish Carpentry *(06 01)*

06 01 20 91 Finish Carpentry Restoration *(06 01 20)*

06 01 20 91-0001 Wood Trim Repair *(06 01 20 91)*

06 01 20 91-0002	SF	Restoration Of Existing Decorative Woodwork Note: Includes stripping to bare wood, filling or patching, stain or paint to match existing.	10.08	

06 01 40 Maintenance of Architectural Woodwork *(06 01)*

06 01 40 51 Architectural Woodwork Cleaning *(06 01 40)*

See CSI section 09 01 90 52-0035 for cleaning of wood surfaces.

06 01 40 91 Architectural Woodwork Restoration *(06 01 40)*

06 01 40 91-0001 Cabinet Hardware Replacement *(06 01 40 91)*

06 01 40 91-0002	EA	Removal And Replacement Of Concealed, Full Or Half Overlay, Self Closing, Steel Cabinet Hinges	46.96	
06 01 40 91-0003	EA	Removal And Replacement Of Semi-Concealed, Brass Cabinet Hinges	46.52	

06 05 Common Work Results for Wood, Plastics, and Composites *(06)*

06 05 23 Wood, Plastic, and Composite Fastenings *(06 05)*

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

06 05 23 00-0001 Threaded Anchor Bolts *(06 05 23)*

Note: Threaded on two ends with two nuts and flat washers.

06 05 23 00-0002	EA	1/2" Diameter x 4" Long, Threaded Anchor Bolt	15.23	
		For >10 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.10*	
		For >100 To 250, Deduct	*-2.19*	
		For >250 To 500, Deduct	*-3.76*	
		For >500, Deduct	*-5.34*	
06 05 23 00-0003	EA	1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt	20.20	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.28*	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.34*	
		For >500, Deduct	*-6.13*	
06 05 23 00-0004	EA	3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt	22.16	
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.65*	
		For >250 To 500, Deduct	*-4.49*	
		For >500, Deduct	*-6.32*	
06 05 23 00-0005	EA	3/4" Diameter x 12" Long, Threaded Anchor Bolt	43.65	
		For >10 To 50, Deduct	*-0.70*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-7.14*	
		For >500, Deduct	*-9.99*	

06 05 23 00-0006 Framing Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0007	EA	1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34)	8.32	4.00
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.72*	
		For >500, Deduct	*-3.88*	
06 05 23 00-0008	EA	1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35)	9.31	4.40
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.06*	
		For >500, Deduct	*-4.36*	

06 05 23 00-0009 Angle Anchors *(06 05 23)*

Note: Including nails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0010	EA	2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21)	8.41	4.00
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.78*	
		For >100 To 250, Deduct	*-1.56*	
		For >250 To 500, Deduct	*-2.73*	
		For >500, Deduct	*-3.89*	
06 05 23 00-0011	EA	2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23)	9.19	4.27
		For >10 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-1.68*	
		For >250 To 500, Deduct	*-2.93*	
		For >500, Deduct	*-4.17*	
06 05 23 00-0012	EA	3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24)	15.00	4.40
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.48*	
		For >500, Deduct	*-4.93*	
06 05 23 00-0013	EA	3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33)	13.64	4.40
		For >10 To 50, Deduct	*-0.43*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.97*	
		For >250 To 500, Deduct	*-3.38*	
		For >500, Deduct	*-4.80*	
06 05 23 00-0014	EA	4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44)	14.91	4.94
		For >10 To 50, Deduct	*-0.47*	
		For >50 To 100, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 500, Deduct	*-3.71*	
		For >500, Deduct	*-5.27*	
06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	16.83	5.20
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.37*	
		For >250 To 500, Deduct	*-4.06*	
		For >500, Deduct	*-5.75*	

06 05 23 00-0016 Reinforcing Angle Wood Construction Connectors *(06 05 23)*

Note: Including nails.

06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	9.13	3.74
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-2.78*	
		For >500, Deduct	*-3.96*	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	11.07	4.00
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.77*	
		For >250 To 500, Deduct	*-3.05*	
		For >500, Deduct	*-4.34*	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.46	4.13
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.23*	
		For >500, Deduct	*-4.58*	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	13.75	4.27
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.00*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.44*	
		For >500, Deduct	*-4.88*	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	9.86	3.74
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.82*	
		For >100 To 250, Deduct	*-1.64*	
		For >250 To 500, Deduct	*-2.84*	
		For >500, Deduct	*-4.03*	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	10.82	4.00
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.88*	
		For >100 To 250, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-3.03*	
		For >500, Deduct	*-4.31*	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	12.40	4.13
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.22*	
		For >500, Deduct	*-4.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	14.53	4.27
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-2.04*	
		For >250 To 500, Deduct	*-3.50*	
		For >500, Deduct	*-4.95*	

06 05 23 00-0025 Hold Down Anchors *(06 05 23)*

Note: Including nails.

06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	63.85	
		For >10 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-4.70*	
		For >100 To 250, Deduct	*-9.40*	
		For >250 To 500, Deduct	*-16.16*	
		For >500, Deduct	*-22.93*	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	86.91	
		For >10 To 50, Deduct	*-2.13*	
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 250, Deduct	*-10.75*	
		For >250 To 500, Deduct	*-18.26*	
		For >500, Deduct	*-25.77*	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	105.99	
		For >10 To 50, Deduct	*-2.27*	
		For >50 To 100, Deduct	*-6.05*	
		For >100 To 250, Deduct	*-12.10*	
		For >250 To 500, Deduct	*-20.42*	
		For >500, Deduct	*-28.74*	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	124.62	
		For >10 To 50, Deduct	*-2.53*	
		For >50 To 100, Deduct	*-6.92*	
		For >100 To 250, Deduct	*-13.83*	
		For >250 To 500, Deduct	*-23.29*	
		For >500, Deduct	*-32.74*	
06 05 23 00-0030	EA	20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12)	198.89	
		For >10 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-9.78*	
		For >100 To 250, Deduct	*-19.55*	
		For >250 To 500, Deduct	*-32.53*	
		For >500, Deduct	*-45.51*	
06 05 23 00-0031	EA	24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19)	264.64	
		For >10 To 50, Deduct	*-3.34*	
		For >50 To 100, Deduct	*-11.62*	
		For >100 To 250, Deduct	*-23.24*	
		For >250 To 500, Deduct	*-38.19*	
		For >500, Deduct	*-53.14*	
06 05 23 00-0032	EA	8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5)	73.96	
		For >10 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-4.95*	
		For >100 To 250, Deduct	*-9.90*	
		For >250 To 500, Deduct	*-16.92*	
		For >500, Deduct	*-23.94*	
06 05 23 00-0033	EA	10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5)	81.33	
		For >10 To 50, Deduct	*-2.13*	
		For >50 To 100, Deduct	*-5.24*	
		For >100 To 250, Deduct	*-10.47*	
		For >250 To 500, Deduct	*-17.84*	
		For >500, Deduct	*-25.21*	
06 05 23 00-0034	EA	13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5)	90.68	
		For >10 To 50, Deduct	*-2.27*	
		For >50 To 100, Deduct	*-5.67*	
		For >100 To 250, Deduct	*-11.34*	
		For >250 To 500, Deduct	*-19.28*	
		For >500, Deduct	*-27.21*	
06 05 23 00-0035	EA	16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5)	111.09	
		For >10 To 50, Deduct	*-2.53*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 250, Deduct	*-13.16*	
		For >250 To 500, Deduct	*-22.27*	
		For >500, Deduct	*-31.39*	
06 05 23 00-0036	EA	22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5)	142.86	
		For >10 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-8.37*	
		For >100 To 250, Deduct	*-16.75*	
		For >250 To 500, Deduct	*-28.33*	
		For >500, Deduct	*-39.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0037	EA	25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5)	158.78	
		For >10 To 50, Deduct	*-3.34*	
		For >50 To 100, Deduct	*-8.97*	
		For >100 To 250, Deduct	*-17.94*	
		For >250 To 500, Deduct	*-30.25*	
		For >500, Deduct	*-42.56*	

06 05 23 00-0038 Joist And Beam Hangers *(06 05 23)*

Note: Including nails.

06 05 23 00-0039	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24)	8.78	3.74
		For >10 To 50, Deduct	*-0.38*	
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.75*	
		For >500, Deduct	*-3.93*	
06 05 23 00-0040	EA	18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28)	9.71	4.00
		For >10 To 50, Deduct	*-0.40*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 500, Deduct	*-2.95*	
		For >500, Deduct	*-4.20*	
06 05 23 00-0041	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36)	13.13	4.13
		For >10 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 250, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-3.28*	
		For >500, Deduct	*-4.65*	
06 05 23 00-0042	EA	16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310)	14.23	4.27
		For >10 To 50, Deduct	*-0.44*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-2.02*	
		For >250 To 500, Deduct	*-3.47*	
		For >500, Deduct	*-4.92*	
06 05 23 00-0043	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46)	21.05	4.53
		For >10 To 50, Deduct	*-0.45*	
		For >50 To 100, Deduct	*-1.20*	
		For >100 To 250, Deduct	*-2.40*	
		For >250 To 500, Deduct	*-4.06*	
		For >500, Deduct	*-5.71*	
06 05 23 00-0044	EA	14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412)	24.83	4.67
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.40*	
		For >500, Deduct	*-6.18*	

06 05 23 00-0045 Anchor And Ties *(06 05 23)*

Note: Including nails.

06 05 23 00-0046	EA	12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4) Note: Includes nails. Excludes anchor bolt.	36.67	
06 05 23 00-0047	EA	16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5) Note: Includes nails. Excludes anchor bolt.	45.39	
06 05 23 00-0048	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASAZ)	5.15	
06 05 23 00-0049	EA	16 Gauge, Zinc Galvanized Finish Mudsill Anchor (Simpson Strong Tie® MASBZ)	5.74	

06 05 23 00-0050 Hurricane Ties *(06 05 23)*

06 05 23 00-0051	EA	6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A)	9.75	4.13
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.93*	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 500, Deduct	*-3.26*	
		For >500, Deduct	*-4.66*	
06 05 23 00-0052	EA	6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ)	3.43	
06 05 23 00-0053	EA	6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS)	8.54	
06 05 23 00-0054	EA	10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A)	11.65	4.13
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.96*	
		For >250 To 500, Deduct	*-3.40*	
		For >500, Deduct	*-4.85*	
06 05 23 00-0055	EA	19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6)	18.06	

06 05 23 00-0056 Post Column Bases *(06 05 23)*

Note: Including nails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0057	EA	Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44)	33.15	
06 05 23 00-0058	EA	Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46)	50.45	
06 05 23 00-0059	EA	Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66)	51.98	
06 05 23 00-0060		**Post Column Caps** *(06 05 23)* Note: Including nails.		
06 05 23 00-0061	EA	4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4)	19.08	4.67
		For >10 To 50, Deduct	*-0.51*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-4.26*	
		For >500, Deduct	*-6.02*	
06 05 23 00-0062	EA	6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6)	40.02	4.67
		For >10 To 50, Deduct	*-0.54*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.63*	
		For >250 To 500, Deduct	*-5.98*	
		For >500, Deduct	*-8.33*	
06 05 23 00-0063	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4) Note: Excludes field welding	193.10	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-6.83*	
		For >100 To 250, Deduct	*-13.66*	
		For >250 To 500, Deduct	*-21.82*	
		For >500, Deduct	*-29.98*	
		For Hot Dipped Galvanized, Add	*74.89*	
06 05 23 00-0064	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6)	201.48	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-14.58*	
		For >250 To 500, Deduct	*-23.36*	
		For >500, Deduct	*-32.15*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0065	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44) Note: Excludes field welding	125.70	
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 250, Deduct	*-10.29*	
		For >250 To 500, Deduct	*-16.76*	
		For >500, Deduct	*-23.24*	
		For Hot Dipped Galvanized, Add	*44.56*	
06 05 23 00-0066	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46)	197.38	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-7.19*	
		For >100 To 250, Deduct	*-14.37*	
		For >250 To 500, Deduct	*-23.06*	
		For >500, Deduct	*-31.74*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0067	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48) Note: Excludes field welding	206.23	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 250, Deduct	*-14.81*	
		For >250 To 500, Deduct	*-23.72*	
		For >500, Deduct	*-32.63*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0068	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64)	210.44	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 250, Deduct	*-14.83*	
		For >250 To 500, Deduct	*-23.67*	
		For >500, Deduct	*-32.52*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0069	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66)	213.10	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-24.60*	
		For >500, Deduct	*-33.85*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0070	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68)	213.10	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-24.60*	
		For >500, Deduct	*-33.85*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0071	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4)	245.17	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-8.28*	
		For >100 To 250, Deduct	*-16.56*	
		For >250 To 500, Deduct	*-26.28*	
		For >500, Deduct	*-35.99*	
		For Hot Dipped Galvanized, Add	*97.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0072	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6)	247.83	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-8.55*	
		For >100 To 250, Deduct	*-17.09*	
		For >250 To 500, Deduct	*-27.21*	
		For >500, Deduct	*-37.32*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0073	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8)	247.83	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-8.55*	
		For >100 To 250, Deduct	*-17.09*	
		For >250 To 500, Deduct	*-27.21*	
		For >500, Deduct	*-37.32*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0074	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84)	298.94	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-9.63*	
		For >100 To 250, Deduct	*-19.25*	
		For >250 To 500, Deduct	*-30.31*	
		For >500, Deduct	*-41.37*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0075	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86)	301.60	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-9.89*	
		For >100 To 250, Deduct	*-19.78*	
		For >250 To 500, Deduct	*-31.24*	
		For >500, Deduct	*-42.70*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0076	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88)	301.60	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-9.89*	
		For >100 To 250, Deduct	*-19.78*	
		For >250 To 500, Deduct	*-31.24*	
		For >500, Deduct	*-42.70*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0077	EA	3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4)	193.10	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-6.83*	
		For >100 To 250, Deduct	*-13.66*	
		For >250 To 500, Deduct	*-21.82*	
		For >500, Deduct	*-29.98*	
		For Hot Dipped Galvanized, Add	*74.89*	
06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6)	201.48	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-7.29*	
		For >100 To 250, Deduct	*-14.58*	
		For >250 To 500, Deduct	*-23.36*	
		For >500, Deduct	*-32.15*	
		For Hot Dipped Galvanized, Add	*77.16*	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC44)	125.70	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 250, Deduct	*-10.29*	
		For >250 To 500, Deduct	*-16.76*	
		For >500, Deduct	*-23.24*	
		For Hot Dipped Galvanized, Add	*44.56*	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46)	197.38	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-7.19*	
		For >100 To 250, Deduct	*-14.37*	
		For >250 To 500, Deduct	*-23.06*	
		For >500, Deduct	*-31.74*	
		For Hot Dipped Galvanized, Add	*75.32*	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48)	206.23	
		Note: Excludes field welding		
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 250, Deduct	*-14.81*	
		For >250 To 500, Deduct	*-23.72*	
		For >500, Deduct	*-32.63*	
		For Hot Dipped Galvanized, Add	*79.30*	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64)	210.44	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 250, Deduct	*-14.83*	
		For >250 To 500, Deduct	*-23.67*	
		For >500, Deduct	*-32.52*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66)	213.10	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-24.60*	
		For >500, Deduct	*-33.85*	
		For Hot Dipped Galvanized, Add	*81.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68)	213.10	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-7.68*	
		For >100 To 250, Deduct	*-15.36*	
		For >250 To 500, Deduct	*-24.60*	
		For >500, Deduct	*-33.85*	
		For Hot Dipped Galvanized, Add	*81.79*	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4)	245.17	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-8.28*	
		For >100 To 250, Deduct	*-16.56*	
		For >250 To 500, Deduct	*-26.28*	
		For >500, Deduct	*-35.99*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6)	247.83	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-8.55*	
		For >100 To 250, Deduct	*-17.09*	
		For >250 To 500, Deduct	*-27.21*	
		For >500, Deduct	*-37.32*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8)	247.83	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-8.55*	
		For >100 To 250, Deduct	*-17.09*	
		For >250 To 500, Deduct	*-27.21*	
		For >500, Deduct	*-37.32*	
		For Hot Dipped Galvanized, Add	*97.42*	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84)	298.94	
		For >10 To 50, Deduct	*-1.43*	
		For >50 To 100, Deduct	*-9.63*	
		For >100 To 250, Deduct	*-19.25*	
		For >250 To 500, Deduct	*-30.31*	
		For >500, Deduct	*-41.37*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86)	301.60	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-9.89*	
		For >100 To 250, Deduct	*-19.78*	
		For >250 To 500, Deduct	*-31.24*	
		For >500, Deduct	*-42.70*	
		For Hot Dipped Galvanized, Add	*121.61*	
06 05 23 00-0090	EA	8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88)	301.60	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-9.89*	
		For >100 To 250, Deduct	*-19.78*	
		For >250 To 500, Deduct	*-31.24*	
		For >500, Deduct	*-42.70*	
		For Hot Dipped Galvanized, Add	*121.61*	

06 05 23 00-0091 Rafter Connectors *(06 05 23)*

06 05 23 00-0092	EA	Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR)	11.36	4.13
		For >10 To 50, Deduct	*-0.46*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 250, Deduct	*-1.95*	
		For >250 To 500, Deduct	*-3.38*	
		For >500, Deduct	*-4.82*	

06 05 23 00-0093 Bolts And Fasteners *(06 05 23)*

06 05 23 00-0094 Carriage Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material. Includes nut and washer.

06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0096	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.72	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 250, Deduct	*-3.49*	
		For >250 To 500, Deduct	*-6.10*	
		For >500, Deduct	*-8.71*	
06 05 23 00-0097	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.88	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-6.11*	
		For >500, Deduct	*-8.72*	
06 05 23 00-0098	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	17.98	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-6.12*	
		For >500, Deduct	*-8.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0099	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	20.95	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 250, Deduct	*-4.05*	
		For >250 To 500, Deduct	*-7.07*	
		For >500, Deduct	*-10.10*	
06 05 23 00-0100	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	19.50	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.89*	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 500, Deduct	*-6.60*	
		For >500, Deduct	*-9.42*	
06 05 23 00-0101	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.10	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-7.09*	
		For >500, Deduct	*-10.11*	
06 05 23 00-0102	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.36	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.07*	
		For >250 To 500, Deduct	*-7.10*	
		For >500, Deduct	*-10.14*	
06 05 23 00-0103	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.55	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-4.88*	
		For >250 To 500, Deduct	*-8.52*	
		For >500, Deduct	*-12.16*	
06 05 23 00-0104	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	27.68	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-9.05*	
		For >500, Deduct	*-12.91*	
06 05 23 00-0105	EA	3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.13	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.88*	
		For >100 To 250, Deduct	*-5.76*	
		For >250 To 500, Deduct	*-10.04*	
		For >500, Deduct	*-14.32*	
06 05 23 00-0106	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	21.66	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-7.13*	
		For >500, Deduct	*-10.17*	
06 05 23 00-0107	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	23.68	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.39*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.91*	
06 05 23 00-0108	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	25.23	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-4.66*	
		For >250 To 500, Deduct	*-8.13*	
		For >500, Deduct	*-11.60*	
06 05 23 00-0109	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	28.28	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.61*	
		For >100 To 250, Deduct	*-5.22*	
		For >250 To 500, Deduct	*-9.09*	
		For >500, Deduct	*-12.97*	
06 05 23 00-0110	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	33.20	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-10.56*	
		For >500, Deduct	*-15.06*	
06 05 23 00-0111	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	37.11	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-6.66*	
		For >250 To 500, Deduct	*-11.59*	
		For >500, Deduct	*-16.52*	
06 05 23 00-0112	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	29.26	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-5.06*	
		For >250 To 500, Deduct	*-8.80*	
		For >500, Deduct	*-12.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0113	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	31.66	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-5.39*	
		For >250 To 500, Deduct	*-9.35*	
		For >500, Deduct	*-13.31*	
06 05 23 00-0114	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	37.83	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-6.29*	
		For >250 To 500, Deduct	*-10.91*	
		For >500, Deduct	*-15.52*	
06 05 23 00-0115	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	42.30	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-6.72*	
		For >250 To 500, Deduct	*-11.61*	
		For >500, Deduct	*-16.51*	
06 05 23 00-0116	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	45.93	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.65*	
		For >100 To 250, Deduct	*-7.30*	
		For >250 To 500, Deduct	*-12.62*	
		For >500, Deduct	*-17.93*	
06 05 23 00-0117	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt	46.91	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-3.77*	
		For >100 To 250, Deduct	*-7.55*	
		For >250 To 500, Deduct	*-13.06*	
		For >500, Deduct	*-18.57*	

06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0119	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.01	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.75*	
		For >100 To 250, Deduct	*-3.50*	
		For >250 To 500, Deduct	*-6.12*	
		For >500, Deduct	*-8.74*	
06 05 23 00-0120	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.32	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.52*	
		For >250 To 500, Deduct	*-6.14*	
		For >500, Deduct	*-8.77*	
06 05 23 00-0121	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	18.66	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.53*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.80*	
06 05 23 00-0122	EA	1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.10	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.11*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-10.21*	
06 05 23 00-0123	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	19.91	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.90*	
		For >100 To 250, Deduct	*-3.80*	
		For >250 To 500, Deduct	*-6.63*	
		For >500, Deduct	*-9.46*	
06 05 23 00-0124	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	21.74	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-7.13*	
		For >500, Deduct	*-10.18*	
06 05 23 00-0125	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.12	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.05*	
		For >100 To 250, Deduct	*-4.11*	
		For >250 To 500, Deduct	*-7.16*	
		For >500, Deduct	*-10.22*	
06 05 23 00-0126	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.70	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.47*	
		For >100 To 250, Deduct	*-4.94*	
		For >250 To 500, Deduct	*-8.61*	
		For >500, Deduct	*-12.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0127	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	28.97	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-5.25*	
		For >250 To 500, Deduct	*-9.14*	
		For >500, Deduct	*-13.04*	
06 05 23 00-0128	EA	3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.33	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-2.91*	
		For >100 To 250, Deduct	*-5.82*	
		For >250 To 500, Deduct	*-10.13*	
		For >500, Deduct	*-14.44*	
06 05 23 00-0129	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	22.62	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-4.13*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.27*	
06 05 23 00-0130	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	24.44	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-7.70*	
		For >500, Deduct	*-10.98*	
06 05 23 00-0131	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	26.13	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.35*	
		For >100 To 250, Deduct	*-4.71*	
		For >250 To 500, Deduct	*-8.20*	
		For >500, Deduct	*-11.69*	
06 05 23 00-0132	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	29.58	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-5.28*	
		For >250 To 500, Deduct	*-9.19*	
		For >500, Deduct	*-13.10*	
06 05 23 00-0133	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	34.47	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 250, Deduct	*-6.13*	
		For >250 To 500, Deduct	*-10.66*	
		For >500, Deduct	*-15.19*	
06 05 23 00-0134	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	38.09	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-6.71*	
		For >250 To 500, Deduct	*-11.66*	
		For >500, Deduct	*-16.62*	
06 05 23 00-0135	EA	3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	32.16	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 250, Deduct	*-5.21*	
		For >250 To 500, Deduct	*-9.01*	
		For >500, Deduct	*-12.82*	
06 05 23 00-0136	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	33.68	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 250, Deduct	*-5.49*	
		For >250 To 500, Deduct	*-9.50*	
		For >500, Deduct	*-13.51*	
06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	39.27	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-3.18*	
		For >100 To 250, Deduct	*-6.37*	
		For >250 To 500, Deduct	*-11.02*	
		For >500, Deduct	*-15.67*	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	42.19	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-3.36*	
		For >100 To 250, Deduct	*-6.71*	
		For >250 To 500, Deduct	*-11.60*	
		For >500, Deduct	*-16.50*	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	47.80	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 250, Deduct	*-7.39*	
		For >250 To 500, Deduct	*-12.76*	
		For >500, Deduct	*-18.12*	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt	50.81	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-3.87*	
		For >100 To 250, Deduct	*-7.74*	
		For >250 To 500, Deduct	*-13.35*	
		For >500, Deduct	*-18.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0141		304/18-8 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*		
06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	18.82	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 250, Deduct	*-3.54*	
		For >250 To 500, Deduct	*-6.18*	
		For >500, Deduct	*-8.82*	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	20.44	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.81*	
		For >100 To 250, Deduct	*-3.62*	
		For >250 To 500, Deduct	*-6.30*	
		For >500, Deduct	*-8.98*	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.50	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.84*	
		For >100 To 250, Deduct	*-3.68*	
		For >250 To 500, Deduct	*-6.38*	
		For >500, Deduct	*-9.09*	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	35.57	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-8.17*	
		For >500, Deduct	*-11.56*	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	21.66	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-1.94*	
		For >100 To 250, Deduct	*-3.89*	
		For >250 To 500, Deduct	*-6.76*	
		For >500, Deduct	*-9.64*	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.34	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.27*	
		For >250 To 500, Deduct	*-7.40*	
		For >500, Deduct	*-10.54*	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	25.84	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-7.44*	
		For >500, Deduct	*-10.59*	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	46.73	
		For >10 To 50, Deduct	*-1.20*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.94*	
		For >250 To 500, Deduct	*-10.11*	
		For >500, Deduct	*-14.28*	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	56.50	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-6.63*	
		For >250 To 500, Deduct	*-11.21*	
		For >500, Deduct	*-15.79*	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	63.26	
		For >10 To 50, Deduct	*-1.40*	
		For >50 To 100, Deduct	*-3.68*	
		For >100 To 250, Deduct	*-7.36*	
		For >250 To 500, Deduct	*-12.45*	
		For >500, Deduct	*-17.53*	
06 05 23 00-0152	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt	27.23	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.18*	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 500, Deduct	*-7.55*	
		For >500, Deduct	*-10.73*	
06 05 23 00-0153	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	30.82	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 250, Deduct	*-4.74*	
		For >250 To 500, Deduct	*-8.18*	
		For >500, Deduct	*-11.62*	
06 05 23 00-0154	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	37.07	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 250, Deduct	*-5.26*	
		For >250 To 500, Deduct	*-9.02*	
		For >500, Deduct	*-12.78*	
06 05 23 00-0155	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	57.99	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-6.70*	
		For >250 To 500, Deduct	*-11.32*	
		For >500, Deduct	*-15.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0156	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	65.56	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-3.84*	
		For >100 To 250, Deduct	*-7.68*	
		For >250 To 500, Deduct	*-12.99*	
		For >500, Deduct	*-18.30*	
06 05 23 00-0157	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	101.70	
		For >10 To 50, Deduct	*-1.60*	
		For >50 To 100, Deduct	*-4.94*	
		For >100 To 250, Deduct	*-9.89*	
		For >250 To 500, Deduct	*-16.43*	
		For >500, Deduct	*-22.98*	
06 05 23 00-0158	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt	79.02	
		For >10 To 50, Deduct	*-1.27*	
		For >50 To 100, Deduct	*-3.88*	
		For >100 To 250, Deduct	*-7.75*	
		For >250 To 500, Deduct	*-12.90*	
		For >500, Deduct	*-18.04*	
06 05 23 00-0159	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt	111.31	
		For >10 To 50, Deduct	*-1.47*	
		For >50 To 100, Deduct	*-4.98*	
		For >100 To 250, Deduct	*-9.97*	
		For >250 To 500, Deduct	*-16.42*	
		For >500, Deduct	*-22.87*	
06 05 23 00-0160	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt	123.19	
		For >10 To 50, Deduct	*-1.53*	
		For >50 To 100, Deduct	*-5.38*	
		For >100 To 250, Deduct	*-10.76*	
		For >250 To 500, Deduct	*-17.68*	
		For >500, Deduct	*-24.60*	
06 05 23 00-0161	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt	180.78	
		For >10 To 50, Deduct	*-1.67*	
		For >50 To 100, Deduct	*-7.02*	
		For >100 To 250, Deduct	*-14.04*	
		For >250 To 500, Deduct	*-22.73*	
		For >500, Deduct	*-31.42*	
06 05 23 00-0162	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt	190.13	
		For >10 To 50, Deduct	*-1.73*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 250, Deduct	*-14.71*	
		For >250 To 500, Deduct	*-23.80*	
		For >500, Deduct	*-32.89*	

06 05 23 00-0163 316 Stainless Steel, Carriage Bolts *(06 05 23 00-0094)*

06 05 23 00-0164	EA	1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	26.30	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-1.96*	
		For >100 To 250, Deduct	*-3.92*	
		For >250 To 500, Deduct	*-6.74*	
		For >500, Deduct	*-9.57*	
06 05 23 00-0165	EA	1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	29.14	
		For >10 To 50, Deduct	*-0.87*	
		For >50 To 100, Deduct	*-2.03*	
		For >100 To 250, Deduct	*-4.06*	
		For >250 To 500, Deduct	*-6.95*	
		For >500, Deduct	*-9.85*	
06 05 23 00-0166	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	31.45	
		For >10 To 50, Deduct	*-0.93*	
		For >50 To 100, Deduct	*-2.19*	
		For >100 To 250, Deduct	*-4.37*	
		For >250 To 500, Deduct	*-7.50*	
		For >500, Deduct	*-10.62*	
06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	36.72	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-8.26*	
		For >500, Deduct	*-11.68*	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt	49.36	
		For >10 To 50, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-2.73*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-9.20*	
		For >500, Deduct	*-12.94*	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt	53.77	
		For >10 To 50, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-2.95*	
		For >100 To 250, Deduct	*-5.89*	
		For >250 To 500, Deduct	*-9.90*	
		For >500, Deduct	*-13.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt	57.92	
		For >10 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-6.30*	
		For >250 To 500, Deduct	*-10.58*	
		For >500, Deduct	*-14.86*	

06 05 23 00-0171 Hex Lag Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	16.91	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.86*	
		For >500, Deduct	*-8.36*	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	17.05	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.87*	
		For >500, Deduct	*-8.38*	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	17.34	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 500, Deduct	*-5.89*	
		For >500, Deduct	*-8.41*	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	18.61	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 500, Deduct	*-6.39*	
		For >500, Deduct	*-9.13*	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	20.20	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.87*	
		For >500, Deduct	*-9.81*	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	20.52	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.95*	
		For >250 To 500, Deduct	*-6.90*	
		For >500, Deduct	*-9.84*	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	25.06	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.38*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-8.31*	
		For >500, Deduct	*-11.85*	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	26.54	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 250, Deduct	*-5.03*	
		For >250 To 500, Deduct	*-8.77*	
		For >500, Deduct	*-12.52*	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt	20.54	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.97*	
		For >250 To 500, Deduct	*-6.94*	
		For >500, Deduct	*-9.90*	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	22.30	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-7.43*	
		For >500, Deduct	*-10.60*	
06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	24.21	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.27*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-7.93*	
		For >500, Deduct	*-11.31*	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	27.52	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.55*	
		For >100 To 250, Deduct	*-5.10*	
		For >250 To 500, Deduct	*-8.90*	
		For >500, Deduct	*-12.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	32.36	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.94*	
		For >250 To 500, Deduct	*-10.34*	
		For >500, Deduct	*-14.75*	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	35.31	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.24*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-11.28*	
		For >500, Deduct	*-16.09*	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt	29.46	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 250, Deduct	*-5.20*	
		For >250 To 500, Deduct	*-9.04*	
		For >500, Deduct	*-12.89*	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt	35.06	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.04*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-10.54*	
		For >500, Deduct	*-15.02*	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt	38.57	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-6.44*	
		For >250 To 500, Deduct	*-11.16*	
		For >500, Deduct	*-15.89*	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt	43.21	
		For >10 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-3.53*	
		For >100 To 250, Deduct	*-7.07*	
		For >250 To 500, Deduct	*-12.23*	
		For >500, Deduct	*-17.40*	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt	48.07	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.75*	
		For >100 To 250, Deduct	*-7.50*	
		For >250 To 500, Deduct	*-12.96*	
		For >500, Deduct	*-18.41*	

06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts *(06 05 23 00-0171)*

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	16.98	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.35*	
		For >250 To 500, Deduct	*-5.86*	
		For >500, Deduct	*-8.37*	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.20	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 250, Deduct	*-3.36*	
		For >250 To 500, Deduct	*-5.88*	
		For >500, Deduct	*-8.39*	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	17.42	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.37*	
		For >250 To 500, Deduct	*-5.89*	
		For >500, Deduct	*-8.41*	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	18.73	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 250, Deduct	*-3.66*	
		For >250 To 500, Deduct	*-6.40*	
		For >500, Deduct	*-9.14*	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.38	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.89*	
		For >500, Deduct	*-9.83*	
06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.75	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.96*	
		For >250 To 500, Deduct	*-6.91*	
		For >500, Deduct	*-9.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	25.49	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.39*	
		For >100 To 250, Deduct	*-4.78*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.90*	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	27.26	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-5.06*	
		For >250 To 500, Deduct	*-8.83*	
		For >500, Deduct	*-12.59*	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	20.87	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.99*	
		For >250 To 500, Deduct	*-6.96*	
		For >500, Deduct	*-9.94*	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	22.49	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-7.44*	
		For >500, Deduct	*-10.62*	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	24.53	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.28*	
		For >100 To 250, Deduct	*-4.56*	
		For >250 To 500, Deduct	*-7.95*	
		For >500, Deduct	*-11.35*	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	28.50	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-8.97*	
		For >500, Deduct	*-12.79*	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	32.84	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-5.96*	
		For >250 To 500, Deduct	*-10.38*	
		For >500, Deduct	*-14.80*	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	36.49	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-3.27*	
		For >100 To 250, Deduct	*-6.53*	
		For >250 To 500, Deduct	*-11.37*	
		For >500, Deduct	*-16.21*	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	30.18	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-5.24*	
		For >250 To 500, Deduct	*-9.10*	
		For >500, Deduct	*-12.96*	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	35.72	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 250, Deduct	*-6.10*	
		For >250 To 500, Deduct	*-10.59*	
		For >500, Deduct	*-15.08*	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	39.67	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-3.25*	
		For >100 To 250, Deduct	*-6.50*	
		For >250 To 500, Deduct	*-11.25*	
		For >500, Deduct	*-16.00*	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	45.81	
		For >10 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-3.60*	
		For >100 To 250, Deduct	*-7.20*	
		For >250 To 500, Deduct	*-12.43*	
		For >500, Deduct	*-17.66*	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt	50.85	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-3.82*	
		For >100 To 250, Deduct	*-7.64*	
		For >250 To 500, Deduct	*-13.16*	
		For >500, Deduct	*-18.69*	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts *(06 05 23 00-0171)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0213	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	17.70	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 250, Deduct	*-3.39*	
		For >250 To 500, Deduct	*-5.91*	
		For >500, Deduct	*-8.44*	
06 05 23 00-0214	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	18.46	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.71*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.97*	
		For >500, Deduct	*-8.52*	
06 05 23 00-0215	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	20.52	
		For >10 To 50, Deduct	*-0.83*	
		For >50 To 100, Deduct	*-1.76*	
		For >100 To 250, Deduct	*-3.53*	
		For >250 To 500, Deduct	*-6.13*	
		For >500, Deduct	*-8.72*	
06 05 23 00-0216	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	20.77	
		For >10 To 50, Deduct	*-0.91*	
		For >50 To 100, Deduct	*-1.88*	
		For >100 To 250, Deduct	*-3.76*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.35*	
06 05 23 00-0217	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	23.23	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.04*	
		For >100 To 250, Deduct	*-4.08*	
		For >250 To 500, Deduct	*-7.10*	
		For >500, Deduct	*-10.12*	
06 05 23 00-0218	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	24.55	
		For >10 To 50, Deduct	*-0.97*	
		For >50 To 100, Deduct	*-2.07*	
		For >100 To 250, Deduct	*-4.15*	
		For >250 To 500, Deduct	*-7.20*	
		For >500, Deduct	*-10.25*	
06 05 23 00-0219	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	46.79	
		For >10 To 50, Deduct	*-1.17*	
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 250, Deduct	*-5.85*	
		For >250 To 500, Deduct	*-9.94*	
		For >500, Deduct	*-14.03*	
06 05 23 00-0220	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	64.15	
		For >10 To 50, Deduct	*-1.23*	
		For >50 To 100, Deduct	*-3.45*	
		For >100 To 250, Deduct	*-6.91*	
		For >250 To 500, Deduct	*-11.59*	
		For >500, Deduct	*-16.28*	
06 05 23 00-0221	EA	1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	24.73	
		For >10 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-4.18*	
		For >250 To 500, Deduct	*-7.25*	
		For >500, Deduct	*-10.32*	
06 05 23 00-0222	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	28.78	
		For >10 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.58*	
		For >250 To 500, Deduct	*-7.91*	
		For >500, Deduct	*-11.25*	
06 05 23 00-0223	EA	1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	34.84	
		For >10 To 50, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-5.08*	
		For >250 To 500, Deduct	*-8.73*	
		For >500, Deduct	*-12.38*	
06 05 23 00-0224	EA	1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	68.06	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-3.57*	
		For >100 To 250, Deduct	*-7.13*	
		For >250 To 500, Deduct	*-11.94*	
		For >500, Deduct	*-16.75*	
06 05 23 00-0225	EA	1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	91.66	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-4.45*	
		For >100 To 250, Deduct	*-8.90*	
		For >250 To 500, Deduct	*-14.79*	
		For >500, Deduct	*-20.68*	
06 05 23 00-0226	EA	1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	106.63	
		For >10 To 50, Deduct	*-1.57*	
		For >50 To 100, Deduct	*-5.02*	
		For >100 To 250, Deduct	*-10.04*	
		For >250 To 500, Deduct	*-16.63*	
		For >500, Deduct	*-23.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0227	EA	3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	98.09	
		For >10 To 50, Deduct	*-1.24*	
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-8.63*	
		For >250 To 500, Deduct	*-14.19*	
		For >500, Deduct	*-19.75*	
06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	112.19	
		For >10 To 50, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-4.96*	
		For >100 To 250, Deduct	*-9.93*	
		For >250 To 500, Deduct	*-16.33*	
		For >500, Deduct	*-22.73*	
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	116.77	
		For >10 To 50, Deduct	*-1.50*	
		For >50 To 100, Deduct	*-5.18*	
		For >100 To 250, Deduct	*-10.35*	
		For >250 To 500, Deduct	*-17.03*	
		For >500, Deduct	*-23.71*	
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	160.04	
		For >10 To 50, Deduct	*-1.64*	
		For >50 To 100, Deduct	*-6.45*	
		For >100 To 250, Deduct	*-12.91*	
		For >250 To 500, Deduct	*-21.00*	
		For >500, Deduct	*-29.08*	
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt	174.30	
		For >10 To 50, Deduct	*-1.70*	
		For >50 To 100, Deduct	*-6.91*	
		For >100 To 250, Deduct	*-13.82*	
		For >250 To 500, Deduct	*-22.42*	
		For >500, Deduct	*-31.03*	

06 05 23 00-0232 Stainless Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw	2.59	
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw	2.65	
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw	2.71	
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw	2.91	

06 05 23 00-0237 Galvanized Steel Screws *(06 05 23 00-0093)*

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw	2.42	
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw	2.47	
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw	2.53	
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw	2.69	
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw	2.46	
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw	2.51	
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw	2.57	
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw	2.78	

06 05 23 00-0246 Timber Bolts *(06 05 23 00-0093)*

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914)	41.26	
		For >10 To 50, Deduct	*-1.38*	
		For >50 To 100, Deduct	*-3.10*	
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 500, Deduct	*-10.69*	
		For >500, Deduct	*-15.18*	
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915)	46.60	
		For >10 To 50, Deduct	*-1.55*	
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 250, Deduct	*-6.97*	
		For >250 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-17.03*	
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916)	50.30	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-7.45*	
		For >250 To 500, Deduct	*-12.83*	
		For >500, Deduct	*-18.20*	
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917)	55.96	
		For >10 To 50, Deduct	*-1.74*	
		For >50 To 100, Deduct	*-4.01*	
		For >100 To 250, Deduct	*-8.02*	
		For >250 To 500, Deduct	*-13.77*	
		For >500, Deduct	*-19.52*	
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918)	59.53	
		For >10 To 50, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-4.24*	
		For >100 To 250, Deduct	*-8.48*	
		For >250 To 500, Deduct	*-14.55*	
		For >500, Deduct	*-20.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919)	61.83	
		For >10 To 50, Deduct	*-1.92*	
		For >50 To 100, Deduct	*-4.42*	
		For >100 To 250, Deduct	*-8.84*	
		For >250 To 500, Deduct	*-15.17*	
		For >500, Deduct	*-21.51*	
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920)	55.37	
		For >10 To 50, Deduct	*-1.65*	
		For >50 To 100, Deduct	*-3.85*	
		For >100 To 250, Deduct	*-7.71*	
		For >250 To 500, Deduct	*-13.21*	
		For >500, Deduct	*-18.71*	
06 05 23 00-0254	EA	3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921)	57.92	
		For >10 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-4.02*	
		For >100 To 250, Deduct	*-8.04*	
		For >250 To 500, Deduct	*-13.77*	
		For >500, Deduct	*-19.50*	
06 05 23 00-0255	EA	3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922)	64.06	
		For >10 To 50, Deduct	*-1.82*	
		For >50 To 100, Deduct	*-4.32*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-14.79*	
		For >500, Deduct	*-20.93*	
06 05 23 00-0256	EA	3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923)	68.72	
		For >10 To 50, Deduct	*-1.91*	
		For >50 To 100, Deduct	*-4.58*	
		For >100 To 250, Deduct	*-9.16*	
		For >250 To 500, Deduct	*-15.65*	
		For >500, Deduct	*-22.14*	
06 05 23 00-0257	EA	3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924)	73.80	
		For >10 To 50, Deduct	*-2.00*	
		For >50 To 100, Deduct	*-4.85*	
		For >100 To 250, Deduct	*-9.70*	
		For >250 To 500, Deduct	*-16.55*	
		For >500, Deduct	*-23.40*	

06 05 23 00-0258 Supports *(06 05 23)*

06 05 23 00-0259 Shear Plates *(06 05 23 00-0258)*

06 05 23 00-0260	EA	2-5/8" Diameter, Shear Plate	16.48	4.94
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-4.29*	
		For >500, Deduct	*-6.10*	
06 05 23 00-0261	EA	4" Diameter, Shear Plate	16.10	5.20
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.27*	
		For >100 To 250, Deduct	*-2.55*	
		For >250 To 500, Deduct	*-4.40*	
		For >500, Deduct	*-6.25*	

06 05 23 00-0262 Sill Anchors *(06 05 23 00-0258)*

06 05 23 00-0263	EA	Sill Anchor Embedded In Concrete	14.64	5.20
		For >10 To 50, Deduct	*-0.58*	
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 250, Deduct	*-2.47*	
		For >250 To 500, Deduct	*-4.29*	
		For >500, Deduct	*-6.10*	

06 05 23 00-0264 Spike Grids *(06 05 23 00-0258)*

06 05 23 00-0265	EA	3" x 6" Flat Or Curved Spike Grid	13.25	4.94
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 250, Deduct	*-2.33*	
		For >250 To 500, Deduct	*-4.05*	
		For >500, Deduct	*-5.77*	

06 05 23 00-0266 Split Rings *(06 05 23 00-0258)*

06 05 23 00-0267	EA	2-1/2" Diameter Split Ring	16.66	4.94
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.50*	
		For >250 To 500, Deduct	*-4.31*	
		For >500, Deduct	*-6.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0268	EA	4" Diameter Split Ring	17.97	5.47
		For >10 To 50, Deduct	*-0.61*	
		For >50 To 100, Deduct	*-1.36*	
		For >100 To 250, Deduct	*-2.72*	
		For >250 To 500, Deduct	*-4.68*	
		For >500, Deduct	*-6.65*	

06 05 23 00-0269 Toothed Rings *(06 05 23 00-0258)*

06 05 23 00-0270	EA	2-5/8" Or 4" Toothed Ring	13.90	4.94
		For >10 To 50, Deduct	*-0.56*	
		For >50 To 100, Deduct	*-1.18*	
		For >100 To 250, Deduct	*-2.36*	
		For >250 To 500, Deduct	*-4.10*	
		For >500, Deduct	*-5.84*	

06 05 23 00-0271 Straps And Shields *(06 05 23)*

06 05 23 00-0272 Shield Plate *(06 05 23 00-0271)*

06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z)	9.22	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.31*	
		For >100 To 250, Deduct	*-0.63*	
		For >250 To 500, Deduct	*-1.11*	
		For >500, Deduct	*-1.69*	
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z)	14.50	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.59*	
		For >500, Deduct	*-2.37*	

06 05 23 00-0275 Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9)	3.74	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-0.99*	
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12)	3.83	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.16*	
		For >100 To 250, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-0.62*	
		For >500, Deduct	*-0.99*	
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15)	4.89	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-0.78*	
		For >500, Deduct	*-1.26*	
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18)	5.06	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.80*	
		For >500, Deduct	*-1.27*	
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21)	5.24	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.43*	
		For >250 To 500, Deduct	*-0.81*	
		For >500, Deduct	*-1.29*	
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24)	6.04	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.95*	
		For >500, Deduct	*-1.52*	
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30)	7.67	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.29*	
		For >100 To 250, Deduct	*-0.58*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.69*	
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36)	8.89	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9)	4.11	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-0.64*	
		For >500, Deduct	*-1.02*	
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12)	4.24	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.04*	
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15)	5.40	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.44*	
		For >250 To 500, Deduct	*-0.82*	
		For >500, Deduct	*-1.31*	
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18)	5.62	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.22*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.33*	
06 05 23 00-0288	EA	1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA21)	5.72	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.45*	
		For >250 To 500, Deduct	*-0.85*	
		For >500, Deduct	*-1.34*	
06 05 23 00-0289	EA	1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA24)	6.55	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-0.99*	
		For >500, Deduct	*-1.58*	
06 05 23 00-0290	EA	1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA30)	8.01	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.72*	
06 05 23 00-0291	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA36)	8.91	
		For >10 To 50, Deduct	*-0.12*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.25*	
		For >500, Deduct	*-1.97*	
06 05 23 00-0292	EA	1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA49)	13.79	
		For >10 To 50, Deduct	*-0.13*	
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.61*	
06 05 23 00-0293	EA	1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9)	4.78	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.09*	
06 05 23 00-0294	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12)	4.80	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.19*	
		For >100 To 250, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-0.69*	
		For >500, Deduct	*-1.09*	
06 05 23 00-0295	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18)	5.85	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.46*	
		For >250 To 500, Deduct	*-0.86*	
		For >500, Deduct	*-1.35*	
06 05 23 00-0296	EA	1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22)	8.01	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.10*	
		For >500, Deduct	*-1.72*	
06 05 23 00-0297	EA	1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6)	6.73	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.23*	
		For >100 To 250, Deduct	*-0.47*	
		For >250 To 500, Deduct	*-0.84*	
		For >500, Deduct	*-1.28*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0298		EA	1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8)	7.39	
			For >10 To 50, Deduct	*-0.07*	
			For >50 To 100, Deduct	*-0.25*	
			For >100 To 250, Deduct	*-0.50*	
			For >250 To 500, Deduct	*-0.89*	
			For >500, Deduct	*-1.35*	
06 05 23 00-0299		EA	1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12)	9.68	
			For >10 To 50, Deduct	*-0.08*	
			For >50 To 100, Deduct	*-0.33*	
			For >100 To 250, Deduct	*-0.65*	
			For >250 To 500, Deduct	*-1.14*	
			For >500, Deduct	*-1.74*	
06 05 23 00-0300		EA	2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27)	14.26	
			For >10 To 50, Deduct	*-0.10*	
			For >50 To 100, Deduct	*-0.46*	
			For >100 To 250, Deduct	*-0.91*	
			For >250 To 500, Deduct	*-1.57*	
			For >500, Deduct	*-2.35*	
06 05 23 00-0301		EA	2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37)	17.72	
			For >10 To 50, Deduct	*-0.12*	
			For >50 To 100, Deduct	*-0.56*	
			For >100 To 250, Deduct	*-1.12*	
			For >250 To 500, Deduct	*-1.91*	
			For >500, Deduct	*-2.85*	
06 05 23 00-0302		EA	2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48)	26.01	
			For >10 To 50, Deduct	*-0.13*	
			For >50 To 100, Deduct	*-0.78*	
			For >100 To 250, Deduct	*-1.57*	
			For >250 To 500, Deduct	*-2.62*	
			For >500, Deduct	*-3.83*	
06 05 23 00-0303		EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60)	44.82	
			For >10 To 50, Deduct	*-0.15*	
			For >50 To 100, Deduct	*-1.27*	
			For >100 To 250, Deduct	*-2.54*	
			For >250 To 500, Deduct	*-4.11*	
			For >500, Deduct	*-5.86*	
06 05 23 00-0304		EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72)	57.63	
			For >10 To 50, Deduct	*-0.17*	
			For >50 To 100, Deduct	*-1.61*	
			For >100 To 250, Deduct	*-3.22*	
			For >250 To 500, Deduct	*-5.16*	
			For >500, Deduct	*-7.30*	
06 05 23 00-0305		EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28)	16.90	
			For >10 To 50, Deduct	*-0.10*	
			For >50 To 100, Deduct	*-0.52*	
			For >100 To 250, Deduct	*-1.05*	
			For >250 To 500, Deduct	*-1.77*	
			For >500, Deduct	*-2.61*	
06 05 23 00-0306		EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40)	21.74	
			For >10 To 50, Deduct	*-0.12*	
			For >50 To 100, Deduct	*-0.66*	
			For >100 To 250, Deduct	*-1.32*	
			For >250 To 500, Deduct	*-2.21*	
			For >500, Deduct	*-3.25*	
06 05 23 00-0307		EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52)	25.38	
			For >10 To 50, Deduct	*-0.13*	
			For >50 To 100, Deduct	*-0.77*	
			For >100 To 250, Deduct	*-1.54*	
			For >250 To 500, Deduct	*-2.57*	
			For >500, Deduct	*-3.77*	
06 05 23 00-0308		EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66)	38.34	
			For >10 To 50, Deduct	*-0.15*	
			For >50 To 100, Deduct	*-1.11*	
			For >100 To 250, Deduct	*-2.22*	
			For >250 To 500, Deduct	*-3.63*	
			For >500, Deduct	*-5.21*	

06 05 23 00-0309 Twist Strap Ties *(06 05 23 00-0271)*

06 05 23 00-0310		EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12)	4.32	
			For >10 To 50, Deduct	*-0.07*	
			For >50 To 100, Deduct	*-0.17*	
			For >100 To 250, Deduct	*-0.35*	
			For >250 To 500, Deduct	*-0.66*	
			For >500, Deduct	*-1.04*	
06 05 23 00-0311		EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16)	5.39	
			For >10 To 50, Deduct	*-0.08*	
			For >50 To 100, Deduct	*-0.21*	
			For >100 To 250, Deduct	*-0.42*	
			For >250 To 500, Deduct	*-0.78*	
			For >500, Deduct	*-1.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18)	6.19	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.88*	
		For >500, Deduct	*-1.39*	
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20)	6.71	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.96*	
		For >500, Deduct	*-1.52*	
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12)	4.27	
		For >10 To 50, Deduct	*-0.07*	
		For >50 To 100, Deduct	*-0.17*	
		For >100 To 250, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-0.65*	
		For >500, Deduct	*-1.04*	
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16)	5.47	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.21*	
		For >100 To 250, Deduct	*-0.42*	
		For >250 To 500, Deduct	*-0.79*	
		For >500, Deduct	*-1.24*	
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18)	6.33	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 250, Deduct	*-0.48*	
		For >250 To 500, Deduct	*-0.89*	
		For >500, Deduct	*-1.40*	
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20)	6.76	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.97*	
		For >500, Deduct	*-1.52*	
06 05 23 00-0318	EA	1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24)	9.10	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.33*	
		For >100 To 250, Deduct	*-0.66*	
		For >250 To 500, Deduct	*-1.18*	
		For >500, Deduct	*-1.83*	
06 05 23 00-0319	EA	1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16)	6.96	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 250, Deduct	*-0.50*	
		For >250 To 500, Deduct	*-0.90*	
		For >500, Deduct	*-1.39*	
06 05 23 00-0320	EA	1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20)	8.33	
		For >10 To 50, Deduct	*-0.09*	
		For >50 To 100, Deduct	*-0.30*	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 500, Deduct	*-1.08*	
		For >500, Deduct	*-1.68*	
06 05 23 00-0321	EA	1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24)	9.65	
		For >10 To 50, Deduct	*-0.10*	
		For >50 To 100, Deduct	*-0.34*	
		For >100 To 250, Deduct	*-0.68*	
		For >250 To 500, Deduct	*-1.22*	
		For >500, Deduct	*-1.89*	

06 05 23 00-0322 Retrofit Plate Strap *(06 05 23 00-0271)*

06 05 23 00-0323	EA	1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18)	7.01	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.26*	
		For >100 To 250, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.47*	
06 05 23 00-0324	EA	1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22)	7.95	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.28*	
		For >100 To 250, Deduct	*-0.56*	
		For >250 To 500, Deduct	*-1.01*	
		For >500, Deduct	*-1.56*	
06 05 23 00-0325	EA	1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28)	9.45	
		For >10 To 50, Deduct	*-0.08*	
		For >50 To 100, Deduct	*-0.32*	
		For >100 To 250, Deduct	*-0.64*	
		For >250 To 500, Deduct	*-1.13*	
		For >500, Deduct	*-1.71*	

06 05 23 00-0326 Stud Shoe *(06 05 23 00-0271)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0327	EA	6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5)		11.74	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.39*	
		For >100 To 250, Deduct		*-0.79*	
		For >250 To 500, Deduct		*-1.38*	
		For >500, Deduct		*-2.09*	
06 05 23 00-0328	EA	6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5)		22.76	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.67*	
		For >100 To 250, Deduct		*-1.34*	
		For >250 To 500, Deduct		*-2.21*	
		For >500, Deduct		*-3.20*	
06 05 23 00-0329	EA	6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3)		22.86	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.67*	
		For >100 To 250, Deduct		*-1.34*	
		For >250 To 500, Deduct		*-2.21*	
		For >500, Deduct		*-3.21*	
06 05 23 00-0330	EA	6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5)		30.52	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.86*	
		For >100 To 250, Deduct		*-1.73*	
		For >250 To 500, Deduct		*-2.79*	
		For >500, Deduct		*-3.97*	
06 05 23 00-0331	EA	7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5)		28.69	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.82*	
		For >100 To 250, Deduct		*-1.63*	
		For >250 To 500, Deduct		*-2.65*	
		For >500, Deduct		*-3.79*	
06 05 23 00-0332	EA	7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3)		31.06	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.88*	
		For >100 To 250, Deduct		*-1.75*	
		For >250 To 500, Deduct		*-2.83*	
		For >500, Deduct		*-4.03*	
06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3)		32.85	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-0.92*	
		For >100 To 250, Deduct		*-1.84*	
		For >250 To 500, Deduct		*-2.96*	
		For >500, Deduct		*-4.21*	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3)		49.46	
		For >10 To 50, Deduct		*-0.10*	
		For >50 To 100, Deduct		*-1.34*	
		For >100 To 250, Deduct		*-2.67*	
		For >250 To 500, Deduct		*-4.21*	
		For >500, Deduct		*-5.87*	

06 05 23 00-0335 Nail Stops *(06 05 23 00-0271)*

06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1)		3.46	
		For >10 To 50, Deduct		*-0.07*	
		For >50 To 100, Deduct		*-0.15*	
		For >100 To 250, Deduct		*-0.31*	
		For >250 To 500, Deduct		*-0.59*	
		For >500, Deduct		*-0.96*	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2)		3.62	
		For >10 To 50, Deduct		*-0.07*	
		For >50 To 100, Deduct		*-0.16*	
		For >100 To 250, Deduct		*-0.31*	
		For >250 To 500, Deduct		*-0.60*	
		For >500, Deduct		*-0.97*	

06 05 73 Wood Treatment *(06 05)*

06 05 73 13 Fire-Retardant Wood Treatment *(06 05 73)*

06 05 73 13-0001 Preservative Treated Lumber *(06 05 73 13)*

06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber *(06 05 73 13-0001)*

06 05 73 13-0003	MBF	Fire Retardant Treatment (FRT) For Lumber		794.65	

06 05 73 33 Preservative Wood Treatment *(06 05 73)*

06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses *(06 05 73 33)*

06 05 73 33-0002	MBF	Preservative Treatment For Marine And Fresh Water Lumber		142.21	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

06 10 Rough Carpentry *(06)*

06 11 Wood Framing *(06 10)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

06 11 13 Engineered Wood Products *(06 11)*

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

06 11 13 00-0001 Built-Up Members *(06 11 13)*

Note: A structural framing member made from fastening separate pieces of lumber together.

06 11 13 00-0002 Built-Up Beams Or Joists *(06 11 13 00-0001)*

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist	5.24	2.28
		For Each Additional 2" x_" In The Built Up Member, Add	*0.88*	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist	6.50	2.69
		For Each Additional 2" x_" In The Built Up Member, Add	*1.24*	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist	8.28	3.22
		For Each Additional 2" x_" In The Built Up Member, Add	*1.73*	

06 11 13 00-0006 Built-Up Posts *(06 11 13 00-0001)*

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post	5.24	2.28
		For Each Additional 2" x_" In The Built Up Member, Add	*0.88*	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post	6.50	2.69
		For Each Additional 2" x_" In The Built Up Member, Add	*1.24*	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post	8.28	3.22
		For Each Additional 2" x_" In The Built Up Member, Add	*1.73*	

06 11 16 Mechanically Graded Lumber *(06 11)*

06 11 16 00-0001 Rafters And Joists *(06 11 16)*

06 11 16 00-0002 Rafters *(06 11 16 00-0001)*

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter	3.02	1.61
06 11 16 00-0004	LF	2" x 8" Wood Rafter	3.52	1.74
06 11 16 00-0005	LF	2" x 10" Wood Rafter	5.08	2.55
06 11 16 00-0006	LF	2" x 12" Wood Rafter	5.85	2.82
06 11 16 00-0007	LF	2" x 14" Wood Rafter	6.34	3.09
06 11 16 00-0008	LF	2" x 6" Pressure Treated Wood Rafter	3.38	1.61
06 11 16 00-0009	LF	2" x 8" Pressure Treated Wood Rafter	4.00	1.74
06 11 16 00-0010	LF	2" x 10" Pressure Treated Wood Rafter	5.49	2.55
06 11 16 00-0011	LF	2" x 12" Pressure Treated Wood Rafter	6.54	2.82

06 11 16 00-0012 Joists *(06 11 16 00-0001)*

Note: A series of parallel beams to support floors or ceilings.

06 11 16 00-0013	LF	2" x 6" Wood Floor Joist	2.61	1.34
06 11 16 00-0014	LF	2" x 8" Wood Floor Joist	3.26	1.48
06 11 16 00-0015	LF	2" x 10" Wood Floor Joist	4.13	1.88
06 11 16 00-0016	LF	2" x 12" Wood Floor Joist	4.91	2.15
06 11 16 00-0017	LF	2" x 14" Wood Floor Joist	5.41	2.28
06 11 16 00-0018	LF	2" x 6" Pressure Treated Wood Floor Joist	2.97	1.34
06 11 16 00-0019	LF	2" x 8" Pressure Treated Wood Floor Joist	3.74	1.48
06 11 16 00-0020	LF	2" x 10" Pressure Treated Wood Floor Joist	4.54	1.88
06 11 16 00-0021	LF	2" x 12" Pressure Treated Wood Floor Joist	5.60	2.15

06 11 16 00-0022 Purlins *(06 11 16 00-0001)*

Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.

06 11 16 00-0023	LF	2" x 4" Wood Purlin	2.13	0.80
06 11 16 00-0024	LF	2" x 6" Wood Purlin	2.64	0.88
06 11 16 00-0025	LF	2" x 8" Wood Purlin	3.19	0.98
06 11 16 00-0026	LF	2" x 10" Wood Purlin	3.87	1.07
06 11 16 00-0027	LF	2" x 4" Pressure Treated Wood Purlin	2.35	0.80
06 11 16 00-0028	LF	2" x 6" Pressure Treated Wood Purlin	3.00	0.88
06 11 16 00-0029	LF	2" x 8" Pressure Treated Wood Purlin	3.67	0.98
06 11 16 00-0030	LF	2" x 10" Pressure Treated Wood Purlin	4.28	1.07

06 11 16 00-0031 Exposed Rafters Or Joists *(06 11 16 00-0001)*

06 11 16 00-0032 Redwood Rafters Or Joists *(06 11 16 00-0031)*

06 11 16 00-0033	LF	2" x 6" Redwood Rafter Or Joist	3.90	1.34
06 11 16 00-0034	LF	2" x 8" Redwood Rafter Or Joist	4.75	1.48
06 11 16 00-0035	LF	2" x 10" Redwood Rafter Or Joist	5.90	1.88
06 11 16 00-0036	LF	2" x 12" Redwood Rafter Or Joist	7.15	2.15

06 11 16 00-0037 Cedar Rafters Or Joists *(06 11 16 00-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0038	LF	2" x 6" Cedar Rafter Or Joist	2.62	1.34
06 11 16 00-0039	LF	2" x 8" Cedar Rafter Or Joist	2.96	1.48
06 11 16 00-0040	LF	2" x 10" Cedar Rafter Or Joist	3.41	1.88
06 11 16 00-0041	LF	2" x 12" Cedar Rafter Or Joist	3.88	2.15
06 11 16 00-0042		Oak Rafters Or Joists *(06 11 16 00-0031)*		
06 11 16 00-0043	LF	2" x 6" Oak Rafter Or Joist	3.15	1.34
06 11 16 00-0044	LF	2" x 8" Oak Rafter Or Joist	4.28	1.48
06 11 16 00-0045	LF	2" x 10" Oak Rafter Or Joist	5.53	1.88
06 11 16 00-0046	LF	2" x 12" Oak Rafter Or Joist	6.80	2.15
06 11 16 00-0047		Framing *(06 11 16)*		
06 11 16 00-0048		Partition Framing *(06 11 16 00-0047)*		
06 11 16 00-0049	LF	2" x 4" Wood Stud Framing, For Partition Walls	2.06	1.07
06 11 16 00-0050	LF	2" x 6" Wood Stud Framing, For Partition Walls	2.48	1.15
06 11 16 00-0051	LF	2" x 8" Wood Stud Framing, For Partition Walls	2.92	1.21
06 11 16 00-0052	LF	2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls	2.28	1.07
06 11 16 00-0053	LF	2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls	2.84	1.15
06 11 16 00-0054	LF	2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls	3.40	1.21
06 11 16 00-0055		Wall Framing Assemblies By The SF *(06 11 16 00-0047)*		
		Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056		Wall Framing By The SF, 12" On Center *(06 11 16 00-0055)*		
06 11 16 00-0057	SF	2" x 4" At 12" On Center, Wood Wall Framing Assembly	2.67	1.30
		For Up To 200, Add	*0.92*	
		For >200 To 500, Add	*0.46*	
06 11 16 00-0058	SF	2" x 6" At 12" On Center, Wood Wall Framing Assembly	3.58	1.66
		For Up To 200, Add	*1.21*	
		For >200 To 500, Add	*0.60*	
06 11 16 00-0059	SF	2" x 8" At 12" On Center, Wood Wall Framing Assembly	4.77	2.22
		For Up To 200, Add	*1.61*	
		For >200 To 500, Add	*0.80*	
06 11 16 00-0060		Wall Framing By The SF, 16" On Center *(06 11 16 00-0055)*		
06 11 16 00-0061	SF	2" x 4" At 16" On Center, Wood Wall Framing Assembly	2.17	1.04
		For Up To 200, Add	*0.74*	
		For >200 To 500, Add	*0.37*	
06 11 16 00-0062	SF	2" x 6" At 16" On Center, Wood Wall Framing Assembly	2.97	1.39
		For Up To 200, Add	*1.00*	
		For >200 To 500, Add	*0.50*	
06 11 16 00-0063	SF	2" x 8" At 16" On Center, Wood Wall Framing Assembly	3.97	1.84
		For Up To 200, Add	*1.34*	
		For >200 To 500, Add	*0.67*	
06 11 16 00-0064		Wall Framing By The SF, 24" On Center *(06 11 16 00-0055)*		
06 11 16 00-0065	SF	2" x 4" At 24" On Center, Wood Wall Framing Assembly	1.71	0.82
		For Up To 200, Add	*0.59*	
		For >200 To 500, Add	*0.29*	
06 11 16 00-0066	SF	2" x 6" At 24" On Center, Wood Wall Framing Assembly	2.33	1.07
		For Up To 200, Add	*0.78*	
		For >200 To 500, Add	*0.39*	
06 11 16 00-0067	SF	2" x 8" At 24" On Center, Wood Wall Framing Assembly	3.11	1.44
		For Up To 200, Add	*1.05*	
		For >200 To 500, Add	*0.52*	
06 11 16 00-0068		Sills And Plates *(06 11 16)*		
06 11 16 00-0069		Sills *(06 11 16 00-0068)*		
		Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF	2" x 4" Wood Sill	3.54	2.02
06 11 16 00-0071	LF	2" x 6" Wood Sill	4.23	2.28
06 11 16 00-0072	LF	2" x 8" Wood Sill	5.03	2.55
06 11 16 00-0073	LF	2" x 4" Pressure Treated Wood Sill	3.76	2.02
06 11 16 00-0074	LF	2" x 6" Pressure Treated Wood Sill	4.59	2.28
06 11 16 00-0075	LF	2" x 8" Pressure Treated Wood Sill	5.51	2.55
06 11 16 00-0076		Plates *(06 11 16 00-0068)*		
		Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF	2" x 4" Wood Plate	3.54	2.02
06 11 16 00-0078	LF	2" x 6" Wood Plate	4.23	2.28
06 11 16 00-0079	LF	2" x 8" Wood Plate	5.00	2.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0080	LF	2" x 4" Pressure Treated Wood Plate	3.76	2.02
06 11 16 00-0081	LF	2" x 6" Pressure Treated Wood Plate	4.59	2.28
06 11 16 00-0082	LF	2" x 8" Pressure Treated Wood Plate	5.48	2.55
06 11 16 00-0083		Sills And Plates From Redwood *(06 11 16 00-0068)*		
06 11 16 00-0084		Construction Grade/Rough *(06 11 16 00-0083)*		
06 11 16 00-0085	LF	2" x 6" Redwood, Construction Grade/Rough	6.71	2.28
06 11 16 00-0086	LF	2" x 8" Redwood, Construction Grade/Rough	8.90	2.55
06 11 16 00-0087	LF	2" x 10" Redwood, Construction Grade/Rough	10.82	2.82
06 11 16 00-0088	LF	2" x 12" Redwood, Construction Grade/Rough	13.06	3.09
06 11 16 00-0089		Con Heart/Smooth *(06 11 16 00-0083)*		
06 11 16 00-0090	LF	2" x 6" Redwood, Con Heart/Smooth	8.13	2.28
06 11 16 00-0091	LF	2" x 8" Redwood, Con Heart/Smooth	11.04	2.55
06 11 16 00-0092	LF	2" x 10" Redwood, Con Heart/Smooth	14.45	2.82
06 11 16 00-0093	LF	2" x 12" Redwood, Con Heart/Smooth	17.36	3.09
06 11 16 00-0094		Suspended Ceiling Framing *(06 11 16)*		
06 11 16 00-0095	LF	1" x 2" Wood Suspended Ceiling Framing	2.93	1.74
06 11 16 00-0096	LF	1" x 3" Wood Suspended Ceiling Framing	3.18	1.88
06 11 16 00-0097	LF	1" x 4" Wood Suspended Ceiling Framing	3.33	2.02
06 11 16 00-0098	LF	2" x 2" Wood Suspended Ceiling Framing	3.43	2.02
06 11 16 00-0099	LF	2" x 4" Wood Suspended Ceiling Framing	4.07	2.28
06 11 16 00-0100	LF	1" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.13	1.74
06 11 16 00-0101	LF	1" x 3" Pressure Treated Wood Suspended Ceiling Framing	3.20	1.88
06 11 16 00-0102	LF	1" x 4" Pressure Treated Wood Suspended Ceiling Framing	3.47	2.02
06 11 16 00-0103	LF	2" x 2" Pressure Treated Wood Suspended Ceiling Framing	3.61	2.02
06 11 16 00-0104	LF	2" x 4" Pressure Treated Wood Suspended Ceiling Framing	4.23	2.28
06 11 16 00-0105		Posts And Girts *(06 11 16)*		
06 11 16 00-0106		Posts *(06 11 16 00-0105)*		
		Note: A vertical, upright framing member.		
06 11 16 00-0107	LF	4" x 4" Wood Post	5.12	2.55
06 11 16 00-0108	LF	4" x 5" Wood Post	5.84	2.95
06 11 16 00-0109	LF	4" x 6" Wood Post	6.44	3.22
06 11 16 00-0110	LF	6" x 6" Wood Post	7.15	3.49
06 11 16 00-0111	LF	8" x 8" Wood Post	7.87	3.63
06 11 16 00-0112	LF	10" x 10" Wood Post	8.59	4.17
06 11 16 00-0113	LF	4" x 4" Pressure Treated Wood Post	6.58	2.55
06 11 16 00-0114	LF	3" x 6" Pressure Treated Wood Post	7.56	3.22
06 11 16 00-0115	LF	4" x 6" Pressure Treated Wood Post	9.17	3.22
06 11 16 00-0116	LF	6" x 6" Pressure Treated Wood Post	12.64	3.49
06 11 16 00-0117		Girts *(06 11 16 00-0105)*		
		Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0118	LF	2" x 4" Wood Girt	2.46	0.96
06 11 16 00-0119	LF	2" x 6" Wood Girt	2.99	1.06
06 11 16 00-0120	LF	2" x 8" Wood Girt	3.57	1.17
06 11 16 00-0121	LF	2" x 10" Wood Girt	4.29	1.29
06 11 16 00-0122	LF	4" x 4" Wood Girt	4.97	1.94
06 11 16 00-0123	LF	4" x 5" Wood Girt	5.70	2.18
06 11 16 00-0124	LF	4" x 6" Wood Girt	6.41	2.41
06 11 16 00-0125	LF	6" x 6" Wood Girt	7.13	2.66
06 11 16 00-0126	LF	8" x 8" Wood Girt	7.85	2.90
06 11 16 00-0127	LF	10" x 10" Wood Girt	8.57	3.15
06 11 16 00-0128	LF	2" x 4" Pressure Treated Wood Girt	2.68	0.96
06 11 16 00-0129	LF	2" x 6" Pressure Treated Wood Girt	3.35	1.06
06 11 16 00-0130	LF	2" x 8" Pressure Treated Wood Girt	4.05	1.17
06 11 16 00-0131	LF	2" x 10" Pressure Treated Wood Girt	4.70	1.29
06 11 16 00-0132	LF	4" x 4" Pressure Treated Wood Girt	6.58	1.94
06 11 16 00-0133	LF	3" x 6" Pressure Treated Wood Girt	7.56	2.41
06 11 16 00-0134	LF	4" x 6" Pressure Treated Wood Girt	9.17	2.41
06 11 16 00-0135	LF	6" x 6" Pressure Treated Wood Girt	12.64	2.66
06 11 16 00-0136		Construction Grade/Rough Redwood Posts *(06 11 16 00-0105)*		
06 11 16 00-0137	LF	4" x 4" Redwood, Construction Grade/Rough Post	10.32	2.55
		For Smooth "Clear", Add	*1.29*	
06 11 16 00-0138	LF	4" x 5" Redwood, Construction Grade/Rough Post	12.42	2.95
		For Smooth "Clear", Add	*1.61*	
06 11 16 00-0139	LF	4" x 6" Redwood, Construction Grade/Rough Post	14.54	3.22
		For Smooth "Clear", Add	*1.94*	
06 11 16 00-0140	LF	4" x 8" Redwood, Construction Grade/Rough Post	18.00	3.31
		For Smooth "Clear", Add	*2.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0141	LF	4" x 10" Redwood, Construction Grade/Rough Post	21.54	3.53
		For Smooth "Clear", Add	*3.24*	
06 11 16 00-0142	LF	6" x 6" Redwood, Construction Grade/Rough Post	19.89	3.49
		For Smooth "Clear", Add	*2.91*	
06 11 16 00-0143	LF	6" x 8" Redwood, Construction Grade/Rough Post	24.95	3.63
		For Smooth "Clear", Add	*3.89*	
06 11 16 00-0144	LF	6" x 10" Redwood, Construction Grade/Rough Post	29.96	3.41
		For Smooth "Clear", Add	*4.86*	
06 11 16 00-0145	LF	8" x 8" Redwood, Construction Grade/Rough Post	31.71	3.63
		For Smooth "Clear", Add	*5.18*	
06 11 16 00-0146		**Stair Stringers** *(06 11 16)*		
06 11 16 00-0147	LF	2" x 10" Wood Stair Stringer	9.75	5.37
06 11 16 00-0148	LF	2" x 12" Wood Stair Stringer	11.51	6.31
06 11 16 00-0149	LF	2" x 10" Pressure Treated Wood Stair Stringer	10.19	5.37
06 11 16 00-0150	LF	2" x 12" Pressure Treated Wood Stair Stringer	12.18	6.31
06 11 16 00-0151		**Blocking And Sleepers** *(06 11 16)*		
06 11 16 00-0152		**Blocking** *(06 11 16 00-0151)*		
06 11 16 00-0153		**Blocking To Wood** *(06 11 16 00-0152)*		
06 11 16 00-0154	LF	2" x 4" Pressure Treated Wood Blocking To Wood	7.51	3.22
06 11 16 00-0155	LF	2" x 6" Pressure Treated Wood Blocking To Wood	8.87	3.55
06 11 16 00-0156	LF	2" x 8" Pressure Treated Wood Blocking To Wood	10.09	3.90
06 11 16 00-0157	LF	4" x 4" Pressure Treated Wood Blocking To Wood	11.65	4.29
06 11 16 00-0158	LF	4" x 6" Pressure Treated Wood Blocking To Wood	14.00	4.72
06 11 16 00-0159	LF	2" x 4" Wood Blocking To Wood	6.97	3.22
06 11 16 00-0160	LF	2" x 6" Wood Blocking To Wood	7.97	3.55
06 11 16 00-0161	LF	2" x 8" Wood Blocking To Wood	9.05	3.90
06 11 16 00-0162	LF	4" x 4" Wood Blocking To Wood	9.86	4.29
06 11 16 00-0163	LF	4" x 6" Wood Blocking To Wood	11.06	4.72
06 11 16 00-0164		**Blocking To Steel** *(06 11 16 00-0152)*		
06 11 16 00-0165	LF	2" x 4" Pressure Treated Wood Blocking To Steel	8.59	3.71
06 11 16 00-0166	LF	2" x 6" Pressure Treated Wood Blocking To Steel	10.11	4.08
06 11 16 00-0167	LF	2" x 8" Pressure Treated Wood Blocking To Steel	11.49	4.49
06 11 16 00-0168	LF	2" x 4" Wood Blocking To Steel	7.99	3.71
06 11 16 00-0169	LF	2" x 6" Wood Blocking To Steel	9.12	4.08
06 11 16 00-0170	LF	2" x 8" Wood Blocking To Steel	10.34	4.49
06 11 16 00-0171		**Blocking To Concrete** *(06 11 16 00-0152)*		
06 11 16 00-0172	LF	2" x 4" Pressure Treated Wood Blocking To Concrete	8.59	3.71
06 11 16 00-0173	LF	2" x 6" Pressure Treated Wood Blocking To Concrete	10.11	4.08
06 11 16 00-0174	LF	2" x 8" Pressure Treated Wood Blocking To Concrete	11.49	4.49
06 11 16 00-0175	LF	2" x 4" Wood Blocking To Concrete	7.99	3.71
06 11 16 00-0176	LF	2" x 6" Wood Blocking To Concrete	9.12	4.08
06 11 16 00-0177	LF	2" x 8" Wood Blocking To Concrete	10.34	4.49
06 11 16 00-0178		**Pressure Treated Lattice** *(06 11 16 00-0151)*		
06 11 16 00-0179	SF	3/4" Thick Pressure Treated Wood Lattice	7.66	2.82
06 11 16 00-0180		**Sleepers** *(06 11 16 00-0151)*		
06 11 16 00-0181		**Sleepers To Wood** *(06 11 16 00-0180)*		
06 11 16 00-0182	LF	1" x 2" Pressure Treated Wood Sleeper On Wood	1.38	0.47
06 11 16 00-0183	LF	1" x 3" Pressure Treated Wood Sleeper On Wood	1.45	0.54
06 11 16 00-0184	LF	1" x 4" Pressure Treated Wood Sleeper On Wood	1.71	0.61
06 11 16 00-0185	LF	2" x 4" Pressure Treated Wood Sleeper On Wood	2.54	0.74
06 11 16 00-0186	LF	2" x 6" Pressure Treated Wood Sleeper On Wood	3.38	0.81
06 11 16 00-0187		**Sleepers To Concrete** *(06 11 16 00-0180)*		
06 11 16 00-0188	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete	1.42	0.47
06 11 16 00-0189	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete	1.48	0.54
06 11 16 00-0190	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete	1.76	0.61
06 11 16 00-0191	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete	2.65	0.74
06 11 16 00-0192	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete	3.56	0.81
06 11 16 00-0193		**Roofing Nailers** *(06 11 16)*		
06 11 16 00-0194	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers	3.83	1.07
06 11 16 00-0195	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers	4.45	1.15
06 11 16 00-0196	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers	5.08	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0197		**Roofing Sleepers** *(06 11 16)*		
06 11 16 00-0198	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers	1.74	
06 11 16 00-0199	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers	4.68	
06 11 16 00-0200	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers	6.75	
06 11 16 00-0201	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers	10.01	
06 11 16 00-0202		**Canopy Framing, Bridging, And Furring** *(06 11 16)*		
06 11 16 00-0203		**Wood And Steel Bridging** *(06 11 16 00-0202)*		
06 11 16 00-0204		**Wood Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0205	EA	1 Pair Wood Bridging, 1" x 3" Cross Type Note: For joists spaced at 16" on center.	10.79	4.70
06 11 16 00-0206	EA	1 Pair Wood Bridging, 2" x 3" Cross Type Note: For joists spaced at 16" on center.	11.08	4.70
06 11 16 00-0207		**Steel Bridging** *(06 11 16 00-0203)*		
06 11 16 00-0208	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center	12.90	4.70
06 11 16 00-0209	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center	12.87	4.70
06 11 16 00-0210		**Light Framing, Trim And Furring** *(06 11 16 00-0202)*		
06 11 16 00-0211		**Pine/Spruce/Fir Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring	2.36	1.10
06 11 16 00-0213	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	2.65	1.21
06 11 16 00-0214	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.04	1.33
06 11 16 00-0215	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	3.39	1.46
06 11 16 00-0216	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	3.75	1.61
06 11 16 00-0217	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	4.16	1.77
06 11 16 00-0218	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring	3.41	1.46
06 11 16 00-0219	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring	3.80	1.61
06 11 16 00-0220	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring	4.42	1.77
06 11 16 00-0221	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring	5.13	1.95
06 11 16 00-0222	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring	6.01	2.15
06 11 16 00-0223		**Cedar Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0224	LF	1" x 1" Cedar Light Framing, Trim And Furring	2.39	1.10
06 11 16 00-0225	LF	1" x 2" Cedar Light Framing, Trim And Furring	2.79	1.21
06 11 16 00-0226	LF	1" x 4" Cedar Light Framing, Trim And Furring	3.60	1.33
06 11 16 00-0227	LF	1" x 6" Cedar Light Framing, Trim And Furring	4.34	1.46
06 11 16 00-0228	LF	1" x 8" Cedar Light Framing, Trim And Furring	6.26	1.61
06 11 16 00-0229	LF	1" x 10" Cedar Light Framing, Trim And Furring	7.35	1.77
06 11 16 00-0230	LF	2" x 2" Cedar Light Framing, Trim And Furring	3.77	1.46
06 11 16 00-0231	LF	2" x 4" Cedar Light Framing, Trim And Furring	4.33	1.61
06 11 16 00-0232		**Oak Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0233	LF	1" x 1" Oak Light Framing, Trim And Furring	2.40	1.10
06 11 16 00-0234	LF	1" x 2" Oak Light Framing, Trim And Furring	2.81	1.21
06 11 16 00-0235	LF	1" x 4" Oak Light Framing, Trim And Furring	3.46	1.33
06 11 16 00-0236	LF	1" x 6" Oak Light Framing, Trim And Furring	4.13	1.46
06 11 16 00-0237	LF	1" x 8" Oak Light Framing, Trim And Furring	4.82	1.61
06 11 16 00-0238	LF	1" x 10" Oak Light Framing, Trim And Furring	5.55	1.77
06 11 16 00-0239	LF	2" x 2" Oak Light Framing, Trim And Furring	3.73	1.46
06 11 16 00-0240	LF	2" x 4" Oak Light Framing, Trim And Furring	4.83	1.61
06 11 16 00-0241		**Redwood Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0242	LF	1" x 1" Redwood Light Framing, Trim And Furring	2.34	1.10
06 11 16 00-0243	LF	1" x 2" Redwood Light Framing, Trim And Furring	2.70	1.21
06 11 16 00-0244	LF	1" x 4" Redwood Light Framing, Trim And Furring	3.27	1.33
06 11 16 00-0245	LF	1" x 6" Redwood Light Framing, Trim And Furring	3.89	1.46
06 11 16 00-0246	LF	1" x 8" Redwood Light Framing, Trim And Furring	4.57	1.61
06 11 16 00-0247	LF	1" x 10" Redwood Light Framing, Trim And Furring	5.33	1.77
06 11 16 00-0248	LF	2" x 2" Redwood Light Framing, Trim And Furring	3.91	1.46
06 11 16 00-0249	LF	2" x 4" Redwood Light Framing, Trim And Furring	4.60	1.61
06 11 16 00-0250		**Poplar Light Framing, Trim And Furring** *(06 11 16 00-0210)* Note: S4S board, select grade 1		
06 11 16 00-0251	LF	1" x 1" Poplar Light Framing, Trim And Furring	2.68	1.10
06 11 16 00-0252	LF	1" x 2" Poplar Light Framing, Trim And Furring	3.23	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0253	LF	1" x 4" Poplar Light Framing, Trim And Furring	4.02	1.33
06 11 16 00-0254	LF	1" x 6" Poplar Light Framing, Trim And Furring	5.05	1.46
06 11 16 00-0255	LF	1" x 8" Poplar Light Framing, Trim And Furring	5.84	1.61
06 11 16 00-0256	LF	1" x 10" Poplar Light Framing, Trim And Furring	7.60	1.77
06 11 16 00-0257	LF	1" x 12" Poplar Light Framing, Trim And Furring	8.18	1.77
06 11 16 00-0258	LF	2" x 2" Poplar Light Framing, Trim And Furring	6.49	1.46
06 11 16 00-0259	LF	2" x 4" Poplar Light Framing, Trim And Furring	7.27	1.61
06 11 16 00-0260	LF	2" x 6" Poplar Light Framing, Trim And Furring	9.61	1.77
06 11 16 00-0261		Maple Light Framing, Trim And Furring *(06 11 16 00-0210)*		
		Note: S4S board, select grade 1		
06 11 16 00-0262	LF	1" x 4" Maple Light Framing, Trim And Furring	4.92	1.33
06 11 16 00-0263	LF	1" x 6" Maple Light Framing, Trim And Furring	6.45	1.46
06 11 16 00-0264	LF	1" x 8" Maple Light Framing, Trim And Furring	8.01	1.61

06 13 Heavy Timber Construction *(06 10)*

06 13 23 Heavy Timber Framing *(06 13)*

06 13 23 00-0001 Heavy Timber Framing *(06 13 23)*
Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

06 13 23 00-0002 Heavy Timber Beams *(06 13 23 00-0001)*

06 13 23 00-0003 Pine, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0004	LF	4" x 4", Pine, Heavy Timber Beam	6.82	2.38
06 13 23 00-0005	LF	4" x 6", Pine, Heavy Timber Beam	8.05	2.48
06 13 23 00-0006	LF	4" x 8", Pine, Heavy Timber Beam	9.28	2.58
06 13 23 00-0007	LF	4" x 10", Pine, Heavy Timber Beam	11.74	2.76
06 13 23 00-0008	LF	4" x 12", Pine, Heavy Timber Beam	13.78	2.92
06 13 23 00-0009	LF	6" x 6", Pine, Heavy Timber Beam	9.95	2.69
06 13 23 00-0010	LF	6" x 8", Pine, Heavy Timber Beam	11.72	2.82
06 13 23 00-0011	LF	6" x 10", Pine, Heavy Timber Beam	15.40	3.02
06 13 23 00-0012	LF	6" x 12", Pine, Heavy Timber Beam	18.07	3.09
06 13 23 00-0013	LF	8" x 8", Pine, Heavy Timber Beam	14.06	2.92
06 13 23 00-0014	LF	8" x 10", Pine, Heavy Timber Beam	18.53	3.02
06 13 23 00-0015	LF	8" x 12", Pine, Heavy Timber Beam	22.15	3.09
06 13 23 00-0016	LF	10" x 10", Pine, Heavy Timber Beam	21.91	3.09
06 13 23 00-0017	LF	10" x 12", Pine, Heavy Timber Beam	26.54	3.36
06 13 23 00-0018	LF	12" x 12", Pine, Heavy Timber Beam	31.18	3.69

06 13 23 00-0019 Douglas Fir, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0020	LF	4" x 4", Douglas Fir, Heavy Timber Beam	7.03	2.38
06 13 23 00-0021	LF	4" x 6", Douglas Fir, Heavy Timber Beam	8.36	2.48
06 13 23 00-0022	LF	4" x 8", Douglas Fir, Heavy Timber Beam	9.70	2.58
06 13 23 00-0023	LF	4" x 10", Douglas Fir, Heavy Timber Beam	12.37	2.76
06 13 23 00-0024	LF	4" x 12", Douglas Fir, Heavy Timber Beam	14.56	2.92
06 13 23 00-0025	LF	6" x 6", Douglas Fir, Heavy Timber Beam	10.40	2.69
06 13 23 00-0026	LF	6" x 8", Douglas Fir, Heavy Timber Beam	12.33	2.82
06 13 23 00-0027	LF	6" x 10", Douglas Fir, Heavy Timber Beam	16.33	3.02
06 13 23 00-0028	LF	6" x 12", Douglas Fir, Heavy Timber Beam	19.26	3.09
06 13 23 00-0029	LF	8" x 8", Douglas Fir, Heavy Timber Beam	14.88	2.92
06 13 23 00-0030	LF	8" x 10", Douglas Fir, Heavy Timber Beam	19.77	3.02
06 13 23 00-0031	LF	8" x 12", Douglas Fir, Heavy Timber Beam	23.73	3.09
06 13 23 00-0032	LF	10" x 10", Douglas Fir, Heavy Timber Beam	23.46	3.09
06 13 23 00-0033	LF	10" x 12", Douglas Fir, Heavy Timber Beam	28.51	3.36
06 13 23 00-0034	LF	12" x 12", Douglas Fir, Heavy Timber Beam	33.56	3.69

06 13 23 00-0035 Pressure Treated, Heavy Timber Beams *(06 13 23 00-0002)*

06 13 23 00-0036	LF	4" x 4", Pressure Treated, Heavy Timber Beam	7.49	2.38
06 13 23 00-0037	LF	4" x 6", Pressure Treated, Heavy Timber Beam	9.31	2.48
06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	10.90	2.58
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	14.18	2.76
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	16.87	2.92
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	12.64	2.69
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	15.35	2.82
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	18.32	3.02
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	22.30	3.09
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	22.46	2.92
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	25.99	3.02
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	30.48	3.09
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	30.61	3.09
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	40.28	3.36
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	47.68	3.69

06 13 23 00-0051 Heavy Timber Columns *(06 13 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 13 23 00-0052		**Pine, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.56	1.26
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	5.73	1.33
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	6.83	1.36
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	9.14	1.45
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	11.01	1.54
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	7.43	1.40
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	9.10	1.46
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	12.54	1.59
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	15.15	1.62
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	11.29	1.54
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	15.67	1.59
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	19.17	1.65
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	18.92	1.66
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	23.37	1.76
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	27.67	1.95
06 13 23 00-0068		**Douglas Fir, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.77	1.26
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.04	1.33
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.25	1.36
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	9.77	1.45
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	11.79	1.54
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	7.88	1.40
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.71	1.46
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	13.47	1.59
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	16.34	1.62
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	12.11	1.54
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	16.91	1.59
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	20.75	1.65
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	20.47	1.66
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	25.34	1.76
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	30.05	1.95
06 13 23 00-0084		**Pressure Treated, Heavy Timber Columns** *(06 13 23 00-0051)*		
06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	5.23	1.26
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	6.99	1.33
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	8.45	1.36
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	11.58	1.45
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	14.10	1.54
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	10.12	1.40
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	12.73	1.46
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	15.46	1.59
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	19.38	1.62
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	19.69	1.54
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	23.13	1.59
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	27.50	1.65
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	27.62	1.66
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	37.11	1.76
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	44.17	1.95

06 15 Wood Decking *(06 10)*

06 15 13 Wood Floor Decking *(06 15)*

06 15 13 00-0001		**Wood Deck Systems** *(06 15 13)* Note: Includes the deck, joists, girders, railing posts 8' on-center, pickets and railing. Excludes ground posts.		
06 15 13 00-0002		**Pressure Treated Wood Deck System** *(06 15 13 00-0001)*		
06 15 13 00-0003		**2" x 8" Joists At 16" On Center, Pressure Treated Wood Deck System** *(06 15 13 00-0002)*		
06 15 13 00-0004	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.04	8.15
06 15 13 00-0005	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	39.64	7.75
06 15 13 00-0006	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.51	8.36
06 15 13 00-0007	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	41.12	7.96
06 15 13 00-0008		**2" x 10" Joists At 16" On Center, Pressure Treated Wood Deck System** *(06 15 13 00-0002)*		
06 15 13 00-0009	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	42.38	8.36
06 15 13 00-0010	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	40.93	7.95
06 15 13 00-0011	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	43.88	8.57
06 15 13 00-0012	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 16" On Center	42.46	8.14
06 15 13 00-0013		**2" x 10" Joists At 24" On Center, Pressure Treated Wood Deck System** *(06 15 13 00-0002)*		
06 15 13 00-0014	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.04	8.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0015	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	39.64	7.75
06 15 13 00-0016	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	42.51	8.36
06 15 13 00-0017	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	41.12	7.96
06 15 13 00-0018		Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0001)*		
06 15 13 00-0019		2" x 8" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0020	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	43.50	8.15
06 15 13 00-0021	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	42.22	8.06
06 15 13 00-0022	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	45.60	8.36
06 15 13 00-0023	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists 16" On Center, Wood Deck System	44.03	7.96
06 15 13 00-0024		2" x 10" Joists At 16" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0025	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.24	8.36
06 15 13 00-0026	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	44.91	7.95
06 15 13 00-0027	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	48.50	8.57
06 15 13 00-0028	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 16" On Center, Wood Deck System	46.93	8.14
06 15 13 00-0029		2" x 10" Joists At 24" On Center, Redwood With Pressure Treated Joists, Wood Deck System *(06 15 13 00-0018)*		
06 15 13 00-0030	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	44.49	8.15
06 15 13 00-0031	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	43.21	7.75
06 15 13 00-0032	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	46.64	8.36
06 15 13 00-0033	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists 24" On Center, Wood Deck System	45.87	7.96
06 15 13 00-0034		Wood Ramp Systems *(06 15 13)* Note: Includes the decking, joists, girders, railing posts at corners and along ramp, pickets and railing. Excludes ground posts.		
06 15 13 00-0035		Pressure Treated Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0036		2" x 6" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0037	SF	5/4" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.02	7.96
06 15 13 00-0038	SF	5/4" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	46.24	7.55
06 15 13 00-0039	SF	2" x 4" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	49.66	8.15
06 15 13 00-0040	SF	2" x 6" Pressure Treated Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	47.87	7.75
06 15 13 00-0041		2" x 8" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0042	SF	5/4" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.51	8.15
06 15 13 00-0043	SF	5/4" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	47.70	7.75
06 15 13 00-0044	SF	2" x 4" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.21	8.36
06 15 13 00-0045	SF	2" x 6" Pressure Treated Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	49.39	7.96
06 15 13 00-0046		2" x 10" Joists, Pressure Treated Wood Ramp System *(06 15 13 00-0035)*		
06 15 13 00-0047	SF	5/4" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	51.05	8.35
06 15 13 00-0048	SF	5/4" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	49.20	7.95
06 15 13 00-0049	SF	2" x 4" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	52.80	8.57
06 15 13 00-0050	SF	2" x 6" Pressure Treated Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	50.93	8.14
06 15 13 00-0051		Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0034)*		
06 15 13 00-0052		2" x 6" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0053	SF	5/4" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.34	7.96
06 15 13 00-0054	SF	5/4" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	48.67	7.55
06 15 13 00-0055	SF	2" x 4" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	52.56	8.15
06 15 13 00-0056	SF	2" x 6" Redwood Decking, 2" x 6" Pressure Treated Joists, Wood Ramp System	50.61	7.75
06 15 13 00-0057		2" x 8" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0058	SF	5/4" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	51.97	8.15
06 15 13 00-0059	SF	5/4" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	50.28	7.75
06 15 13 00-0060	SF	2" x 4" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	54.30	8.36
06 15 13 00-0061	SF	2" x 6" Redwood Decking, 2" x 8" Pressure Treated Joists, Wood Ramp System	52.30	7.96
06 15 13 00-0062		2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Ramp System *(06 15 13 00-0051)*		
06 15 13 00-0063	SF	5/4" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	54.93	8.35
06 15 13 00-0064	SF	5/4" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	53.18	7.95
06 15 13 00-0065	SF	2" x 4" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	57.43	8.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0066	SF	2" x 6" Redwood Decking, 2" x 10" Pressure Treated Joists, Wood Ramp System	55.90	8.14

06 15 13 00-0067 Wood Stair Systems *(06 15 13)*

Note: Includes the decking, joists, girders, railing posts at corners and along stairs, pickets and railing. Excludes ground posts.

06 15 13 00-0068 Pressure Treated Wood Stair System *(06 15 13 00-0067)*

06 15 13 00-0069 2" x 10" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0068)*

06 15 13 00-0070	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	129.09	19.58
06 15 13 00-0071	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	125.59	18.60
06 15 13 00-0072	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	133.00	20.08
06 15 13 00-0073	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	128.91	19.08
06 15 13 00-0074	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	135.55	20.56
06 15 13 00-0075	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	131.87	19.53
06 15 13 00-0076	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.66	21.08
06 15 13 00-0077	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	135.35	20.04
06 15 13 00-0078	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.18	21.58
06 15 13 00-0079	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	138.32	20.50
06 15 13 00-0080	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.50	22.14
06 15 13 00-0081	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	141.98	21.03
06 15 13 00-0082	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	150.79	22.67
06 15 13 00-0083	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.83	21.53
06 15 13 00-0084	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	155.38	23.24
06 15 13 00-0085	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	150.71	22.08

06 15 13 00-0086 2" x 12" Joists, Pressure Treated Wood Stair System *(06 15 13 00-0068)*

06 15 13 00-0087	RSR	3' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.89	20.07
06 15 13 00-0088	RSR	3' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	127.85	19.07
06 15 13 00-0089	RSR	3' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	136.03	20.58
06 15 13 00-0090	RSR	3' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	131.89	19.56
06 15 13 00-0091	RSR	3'-6" Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.49	21.07
06 15 13 00-0092	RSR	3'-6" Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	134.24	20.02
06 15 13 00-0093	RSR	3'-6" Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.83	21.60
06 15 13 00-0094	RSR	3'-6" Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	138.49	20.53
06 15 13 00-0095	RSR	4' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.29	22.12
06 15 13 00-0096	RSR	4' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	140.80	21.02
06 15 13 00-0097	RSR	4' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.83	22.69
06 15 13 00-0098	RSR	4' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	145.27	21.56
06 15 13 00-0099	RSR	5' Wide, 5/4" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.07	23.23
06 15 13 00-0100	RSR	5' Wide, 5/4" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.43	22.07
06 15 13 00-0101	RSR	5' Wide, 2" x 4" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	158.91	23.83
06 15 13 00-0102	RSR	5' Wide, 2" x 6" Pressure Treated Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	154.18	22.63

06 15 13 00-0103 Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0067)*

06 15 13 00-0104 2" x 10" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0103)*

06 15 13 00-0105	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	142.78	19.58
06 15 13 00-0106	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	139.15	18.60
06 15 13 00-0107	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	147.55	20.08
06 15 13 00-0108	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	143.88	19.08
06 15 13 00-0109	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	149.92	20.56
06 15 13 00-0110	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	146.12	19.53
06 15 13 00-0111	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	154.93	21.08
06 15 13 00-0112	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	151.08	20.04
06 15 13 00-0113	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	157.20	21.58
06 15 13 00-0114	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	153.20	20.50
06 15 13 00-0115	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	162.46	22.14
06 15 13 00-0116	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	158.41	21.03
06 15 13 00-0117	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	167.31	22.67
06 15 13 00-0118	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	163.20	21.53
06 15 13 00-0119	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	172.94	23.24
06 15 13 00-0120	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 10" Pressure Treated Joists, Wood Stair System	168.78	22.08

06 15 13 00-0121 2" x 12" Joists, Redwood With Pressure Treated Joists, Wood Stair System *(06 15 13 00-0103)*

06 15 13 00-0122	RSR	3' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	141.55	20.07
06 15 13 00-0123	RSR	3' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	137.84	19.07
06 15 13 00-0124	RSR	3' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	146.08	20.58
06 15 13 00-0125	RSR	3' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	142.41	19.56
06 15 13 00-0126	RSR	3'-6" Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	148.63	21.07
06 15 13 00-0127	RSR	3'-6" Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	144.74	20.02
06 15 13 00-0128	RSR	3'-6" Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	153.38	21.60
06 15 13 00-0129	RSR	3'-6" Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	149.54	20.53
06 15 13 00-0130	RSR	4' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	155.88	22.12
06 15 13 00-0131	RSR	4' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	151.77	21.02
06 15 13 00-0132	RSR	4' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	160.85	22.69
06 15 13 00-0133	RSR	4' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	156.81	21.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 15 13 00-0134	RSR	5' Wide, 5/4" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	165.72	23.23
06 15 13 00-0135	RSR	5' Wide, 5/4" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	161.50	22.07
06 15 13 00-0136	RSR	5' Wide, 2" x 4" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	171.04	23.83
06 15 13 00-0137	RSR	5' Wide, 2" x 6" Redwood Decking With 2" x 12" Pressure Treated Joists, Wood Stair System	166.88	22.63

06 15 13 00-0138 Wood Deck And Ramp Systems Repairs *(06 15 13)*

Note: Includes removal of material and screws. Excludes anchors and bolts.

06 15 13 00-0139 Deck Joist Or Girt *(06 15 13 00-0138)*

See CSI section 06 11 16 00-0012 for treated wood joist replacement, 06 51 13 00-0012 for plastic/composite lumber joist replacement.

06 15 13 00-0140 Deck Boards *(06 15 13 00-0138)*

See CSI section 06 51 13 00-0035 for plastic/composite lumber decking replacement.

06 15 13 00-0141	LF	5/4" x 4" Round Edge Pressure Treated Deck Boards	2.40	1.03
06 15 13 00-0142	LF	5/4" x 6" Round Edge Pressure Treated Deck Boards	2.66	1.23
06 15 13 00-0143	LF	2" x 4" Round Edge Pressure Treated Deck Boards	2.55	1.23
06 15 13 00-0144	LF	2" x 6" Round Edge Pressure Treated Deck Boards	3.32	1.41
06 15 13 00-0145	LF	2" x 8" Round Edge Pressure Treated Deck Boards	4.21	1.69
06 15 13 00-0146	LF	2" x 10" Round Edge Pressure Treated Deck Boards	5.16	2.07
06 15 13 00-0147	LF	2" x 12" Round Edge Pressure Treated Deck Boards	6.35	2.44
06 15 13 00-0148	LF	2" x 4" Round Edge Cedar Deck Boards	2.93	1.23
06 15 13 00-0149	LF	2" x 6" Round Edge Cedar Deck Boards	3.77	1.41
06 15 13 00-0150	LF	2" x 4" Round Edge Redwood Deck Boards	3.19	1.23
06 15 13 00-0151	LF	2" x 6" Round Edge Redwood Deck Boards	4.16	1.41

06 15 13 00-0152 Deck Posts *(06 15 13 00-0138)*

See CSI section 06 11 16 00-0105 for treated wood post replacement, 06 51 13 00-0024 for plastic/composite lumber column replacement.

06 15 13 00-0153 Deck Railing And Pickets *(06 15 13 00-0138)*

See CSI section 06 51 13 00-0035 for plastic/composite lumber railing replacement.

06 15 13 00-0154	LF	2" x 4" Pressure Treated Deck Railing	2.55	1.23
06 15 13 00-0155	LF	2" x 2" Pressure Treated Deck Railing Picket	1.85	0.94
06 15 13 00-0156	LF	2" x 4" Cedar Deck Railing	2.93	1.23
06 15 13 00-0157	LF	2" x 2" Cedar Deck Railing Picket	2.21	0.94
06 15 13 00-0158	LF	2" x 4" Redwood Deck Railing	3.19	1.23
06 15 13 00-0159	LF	2" x 2" Redwood Deck Railing Picket	2.41	0.94

06 16 Sheathing *(06 10)*

06 16 23 Subflooring *(06 16)*

06 16 23 00-0001 Board Type Subflooring *(06 16 23)*

06 16 23 00-0002	SF	1" x 8" Regular Surface Board Type Subfloor Note: 4 Sides Laid In A Regular Pattern.	3.73	1.07
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0003	SF	1" x 8" Diagonal Surface Board Type Subfloor Note: 4 Sides Laid In A Diagonal Pattern.	4.18	1.34
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.13*	
		For Tongue And Groove, Add	*0.09*	
06 16 23 00-0004	SF	1" x 10" Regular Surface Board Type Subfloor Note: 4 sides laid in a regular pattern.	3.57	0.94
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	
06 16 23 00-0005	SF	1" x 10" Diagonal Surface Board Type Subfloor Note: 4 sides laid in a diagonal pattern.	3.88	1.07
		For Water Resistant Coating Or Treatment, Add	*0.08*	
		For Foil Backing, Add	*0.14*	
		For Tongue And Groove, Add	*0.10*	

06 16 33 Wood Board Sheathing *(06 16)*

06 16 33 00-0001 Plywood *(06 16 33)*

06 16 33 00-0002 Roof Decking *(06 16 33 00-0001)*

06 16 33 00-0003	SF	3/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.19	0.67
		For Shear Wall Construction, Add	*0.32*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.32*	
		For ACQ Preservative Treatment, Add	*0.29*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.37*	
		For Fire Retardant Treatment, Add	*0.48*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0004	SF	1/2" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.46	0.80
		For Shear Wall Construction, Add	*0.34*	
		For Exterior CC Grade Plywood, Add	*0.11*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.34*	
		For ACQ Preservative Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.58*	
		For Fire Retardant Treatment, Add	*0.58*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0005	SF	5/8" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	2.77	0.80
		For Shear Wall Construction, Add	*0.37*	
		For Exterior CC Grade Plywood, Add	*0.14*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.37*	
		For ACQ Preservative Treatment, Add	*0.44*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.78*	
		For Fire Retardant Treatment, Add	*0.73*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0006	SF	3/4" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.08	0.94
		For Shear Wall Construction, Add	*0.40*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.40*	
		For ACQ Preservative Treatment, Add	*0.51*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.02*	
		For Fire Retardant Treatment, Add	*0.85*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.23*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0007	SF	1" Thick CDX Plywood Roof Decking Note: Applied to wood rafters.	3.64	1.07
		For Shear Wall Construction, Add	*0.44*	
		For Exterior CC Grade Plywood, Add	*0.22*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.44*	
		For ACQ Preservative Treatment, Add	*0.70*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.29*	
		For Fire Retardant Treatment, Add	*1.15*	
		For >1,696 To 3,200, Deduct	*-0.09*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.28*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0008		**Wall Sheathing** *(06 16 33 00-0001)*		
06 16 33 00-0009	SF	1/4" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.61	0.94
		For Shear Wall Construction, Add	*0.40*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.40*	
		For Ceiling Installation, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.02*	
		For Fire Retardant Treatment, Add	*0.47*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0010	SF	5/16" Interior BC Plywood Wall Sheathing Note: Applied to wall studs.	2.64	0.94
		For Shear Wall Construction, Add	*0.40*	
		For Exterior CC Grade Plywood, Add	*0.09*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.40*	
		For Ceiling Installation, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.02*	
		For Fire Retardant Treatment, Add	*0.50*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0011	SF	3/8" Interior BC Plywood Wall Sheathing	2.70	1.07
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.40*	
		For Exterior CC Grade Plywood, Add	*0.10*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.40*	
		For Ceiling Installation, Add	*0.20*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.02*	
		For Fire Retardant Treatment, Add	*0.55*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
06 16 33 00-0012	SF	1/2" Interior BC Plywood Wall Sheathing	3.01	1.07
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.43*	
		For Exterior CC Grade Plywood, Add	*0.13*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.21*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.21*	
		For Fire Retardant Treatment, Add	*0.69*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.21*	
06 16 33 00-0013	SF	5/8" Interior BC Plywood Wall Sheathing	3.35	1.21
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.46*	
		For Exterior CC Grade Plywood, Add	*0.16*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.46*	
		For Ceiling Installation, Add	*0.23*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.45*	
		For Fire Retardant Treatment, Add	*0.83*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.17*	
		For >12,800, Deduct	*-0.24*	
06 16 33 00-0014	SF	3/4" Interior BC Plywood Wall Sheathing	3.68	1.34
		Note: Applied to wall studs.		
		For Shear Wall Construction, Add	*0.50*	
		For Exterior CC Grade Plywood, Add	*0.18*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.50*	
		For Ceiling Installation, Add	*0.25*	
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.72*	
		For Fire Retardant Treatment, Add	*0.95*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.27*	
06 16 33 00-0015		Floor Decking *(06 16 33 00-0001)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF	5/16" CD Grade Plywood Floor Decking	1.97	0.80
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.27*	
		For Fire Retardant Treatment, Add	*0.36*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.13*	
		For ACQ Preservative Treatment, Add	*0.22*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.07*	
		For Exterior Glue, Add	*0.04*	
		For Marine Grade, Add	*0.36*	
06 16 33 00-0017	SF	3/8" CD Grade Plywood Floor Decking	2.09	0.80
		Note: Applied to floor or joists.		
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.39*	
		For Fire Retardant Treatment, Add	*0.40*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For ACQ Preservative Treatment, Add	*0.24*	
		For Fir Plywood, Add	*0.09*	
		For BC Grade Plywood, Add	*0.07*	
		For Exterior Glue, Add	*0.05*	
		For Marine Grade, Add	*0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0018	SF	1/2" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.34	0.80
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.52*	
		For Fire Retardant Treatment, Add	*0.52*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
		For ACQ Preservative Treatment, Add	*0.32*	
		For Fir Plywood, Add	*0.12*	
		For BC Grade Plywood, Add	*0.10*	
		For Exterior Glue, Add	*0.06*	
		For Marine Grade, Add	*0.52*	
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.63	0.80
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.75*	
		For Fire Retardant Treatment, Add	*0.63*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
		For ACQ Preservative Treatment, Add	*0.38*	
		For Fir Plywood, Add	*0.15*	
		For BC Grade Plywood, Add	*0.12*	
		For Exterior Glue, Add	*0.07*	
		For Marine Grade, Add	*0.63*	
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	2.97	0.80
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.91*	
		For Fire Retardant Treatment, Add	*0.81*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.09*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For ACQ Preservative Treatment, Add	*0.49*	
		For Fir Plywood, Add	*0.19*	
		For BC Grade Plywood, Add	*0.15*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.81*	
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking Note: Applied to floor or joists.	4.25	1.21
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*3.47*	
		For Fire Retardant Treatment, Add	*1.53*	
		For >1,696 To 3,200, Deduct	*-0.12*	
		For >3,200 To 6,400, Deduct	*-0.17*	
		For >6,400 To 12,800, Deduct	*-0.27*	
		For >12,800, Deduct	*-0.35*	
		For ACQ Preservative Treatment, Add	*0.93*	
		For Fir Plywood, Add	*0.36*	
		For BC Grade Plywood, Add	*0.29*	
		For Exterior Glue, Add	*0.18*	
		For Marine Grade, Add	*1.52*	
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	2.74	0.80
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.52*	
		For Fire Retardant Treatment, Add	*0.84*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.21*	
		For ACQ Preservative Treatment, Add	*0.51*	
		For Exterior Glue, Add	*0.10*	
		For Marine Grade, Add	*0.83*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.08	0.80
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.75*	
		For Fire Retardant Treatment, Add	*0.99*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.11*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.24*	
		For ACQ Preservative Treatment, Add	*0.60*	
		For Exterior Glue, Add	*0.12*	
		For Marine Grade, Add	*0.98*	
		For Tongue And Groove, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking Note: Applied to floor or joists.	3.29	0.80
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	*2.91*	
		For Fire Retardant Treatment, Add	*1.07*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.20*	
		For >12,800, Deduct	*-0.26*	
		For ACQ Preservative Treatment, Add	*0.65*	
		For Exterior Glue, Add	*0.13*	
		For Marine Grade, Add	*1.06*	
		For Tongue And Groove, Add	*0.09*	
06 16 33 00-0025		Underlayment Grade *(06 16 33 00-0001)* Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0026	SF	1/4" Thick Plywood Underlayment BC Grade	2.09	0.80
		For Fire Retardant Treatment, Add	*0.43*	
		For >1,696 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
06 16 33 00-0027	SF	3/8" Thick Plywood Underlayment BC Grade	2.22	0.80
		For Fire Retardant Treatment, Add	*0.47*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.05*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
06 16 33 00-0028	SF	1/2" Thick Plywood Underlayment BC Grade	2.30	0.94
		For Fire Retardant Treatment, Add	*0.51*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
06 16 33 00-0029	SF	5/8" Thick Plywood Underlayment BC Grade	2.62	0.94
		For Fire Retardant Treatment, Add	*0.61*	
		For >1,696 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.07*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.18*	
		For Tongue And Groove, Add	*0.05*	
06 16 33 00-0030	SF	3/4" Thick Plywood Underlayment BC Grade	2.78	0.94
		For Fire Retardant Treatment, Add	*0.73*	
		For >1,696 To 3,200, Deduct	*-0.06*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.20*	
		For Tongue And Groove, Add	*0.07*	
06 16 33 00-0031	SF	1-1/8" Thick Plywood Underlayment BC Grade	3.49	1.07
		For Fire Retardant Treatment, Add	*1.11*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.18*	
		For >12,800, Deduct	*-0.27*	
		For Tongue And Groove, Add	*0.10*	
06 16 33 00-0032	SF	3/8" Thick CDX Plywood Underlayment Grade	2.35	0.80
		For Fire Retardant Treatment, Add	*0.57*	
		For >1,696 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.17*	
06 16 33 00-0033	SF	5/8" Thick CDX Plywood Underlayment Grade	2.93	0.94
		For Fire Retardant Treatment, Add	*0.87*	
		For >1,696 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.22*	
06 16 33 00-0034		Oriented Strand Board *(06 16 33)*		
06 16 33 00-0035		On Roof *(06 16 33 00-0034)*		
06 16 33 00-0036	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof	1.97	0.80
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.37*	
06 16 33 00-0037	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof	2.17	0.80
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.14*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0038	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof	2.51	0.94
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.12*	
		For >12,800, Deduct	*-0.17*	
		For Fire Retardant Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.78*	
06 16 33 00-0039	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof	2.88	0.94
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.20*	
		For Fire Retardant Treatment, Add	*0.69*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.02*	
06 16 33 00-0040		On Walls *(06 16 33 00-0034)*		
06 16 33 00-0041	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.40	0.94
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.09*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.02*	
06 16 33 00-0042	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls	2.59	1.07
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.16*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.21*	
06 16 33 00-0043	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls	2.96	1.21
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.19*	
		For Fire Retardant Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.45*	
06 16 33 00-0044	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls	3.35	1.21
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.23*	
		For Fire Retardant Treatment, Add	*0.69*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.72*	
06 16 33 00-0045		On Floors *(06 16 33 00-0034)*		
		Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0046	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.00	0.80
		For >1,408 To 3,200, Deduct	*-0.02*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.08*	
		For >12,800, Deduct	*-0.13*	
		For Fire Retardant Treatment, Add	*0.31*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.42*	
06 16 33 00-0047	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors	2.39	0.94
		For >1,408 To 3,200, Deduct	*-0.03*	
		For >3,200 To 6,400, Deduct	*-0.04*	
		For >6,400 To 12,800, Deduct	*-0.10*	
		For >12,800, Deduct	*-0.15*	
		For Fire Retardant Treatment, Add	*0.36*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*2.91*	
06 16 33 00-0048	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors	2.77	1.07
		For >1,408 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.13*	
		For >12,800, Deduct	*-0.18*	
		For Fire Retardant Treatment, Add	*0.52*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.17*	
06 16 33 00-0049	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors	3.17	1.21
		For >1,408 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.15*	
		For >12,800, Deduct	*-0.22*	
		For Fire Retardant Treatment, Add	*0.69*	
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	*3.45*	
06 16 33 00-0050		Particle Board *(06 16 33)*		
06 16 33 00-0051		Particle Board Floor Decking *(06 16 33 00-0050)*		
		Note: Includes patching of seams and all fastener holes where necessary.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0052	SF	3/8" Particle Board Floor Decking	2.22	0.67
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.51*	
		For >1,536 To 3,200, Deduct	*-0.04*	
		For >3,200 To 6,400, Deduct	*-0.06*	
		For >6,400 To 12,800, Deduct	*-0.11*	
		For >12,800, Deduct	*-0.16*	
		For Tongue And Groove, Add	*0.04*	
06 16 33 00-0053	SF	1/2" Particle Board Floor Decking	2.54	0.67
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.69*	
		For >1,536 To 3,200, Deduct	*-0.05*	
		For >3,200 To 6,400, Deduct	*-0.08*	
		For >6,400 To 12,800, Deduct	*-0.14*	
		For >12,800, Deduct	*-0.19*	
		For Tongue And Groove, Add	*0.06*	
06 16 33 00-0054	SF	5/8" Particle Board Floor Decking	2.85	0.80
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*0.86*	
		For >1,536 To 3,200, Deduct	*-0.07*	
		For >3,200 To 6,400, Deduct	*-0.10*	
		For >6,400 To 12,800, Deduct	*-0.16*	
		For >12,800, Deduct	*-0.22*	
		For Tongue And Groove, Add	*0.08*	
06 16 33 00-0055	SF	3/4" Particle Board Floor Decking	3.16	0.80
		Note: Applied to plywood subfloor.		
		For Fire Retardant Treatment Add	*1.01*	
		For >1,536 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.25*	
		For Tongue And Groove, Add	*0.09*	

06 16 43 Gypsum Sheathing *(06 16)*

06 16 43 00-0001 Exterior Gypsum Sheathing *(06 16 43)*

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

06 16 43 00-0002	SF	1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.42	1.07
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.21*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.43*	
		For Ceiling Installation, Add	*0.21*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.12*	
		For >6,400 To 12,800, Deduct	*-0.19*	
		For >12,800, Deduct	*-0.26*	
06 16 43 00-0003	SF	5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold)	3.69	1.34
		For Selective Replacement <400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add	*3.45*	
		For Application To Metal Studs, Joists, Or Rafters, Add	*0.46*	
		For Ceiling Installation, Add	*0.23*	
		For >1,696 To 3,200, Deduct	*-0.08*	
		For >3,200 To 6,400, Deduct	*-0.13*	
		For >6,400 To 12,800, Deduct	*-0.21*	
		For >12,800, Deduct	*-0.28*	

06 17 Shop-Fabricated Structural Wood *(06 10)*

06 17 13 Laminated Veneer Lumber *(06 17)*

06 17 13 00-0001 Laminated Veneer Lumber (LVL) *(06 17 13)*

06 17 13 00-0002	LF	1-3/4" Wide x 5-1/2" Deep (LVL) Laminated Veneer Lumber	8.45	2.32
06 17 13 00-0003	LF	1-3/4" Wide x 7-1/4" Deep (LVL) Laminated Veneer Lumber	9.20	2.36
06 17 13 00-0004	LF	1-3/4" Wide x 9-1/2" Deep (LVL) Laminated Veneer Lumber	10.07	2.40
06 17 13 00-0005	LF	1-3/4" Wide x 11-7/8" Deep (LVL) Laminated Veneer Lumber	11.17	2.43
06 17 13 00-0006	LF	1-3/4" Wide x 14" Deep (LVL) Laminated Veneer Lumber	11.99	2.47
06 17 13 00-0007	LF	1-3/4" Wide x 16" Deep (LVL) Laminated Veneer Lumber	13.16	2.56
06 17 13 00-0008	LF	1-3/4" Wide x 18" Deep (LVL) Laminated Veneer Lumber	14.80	2.61
06 17 13 00-0009	LF	1-3/4" Wide x 24" Deep (LVL) Laminated Veneer Lumber	20.05	2.95

06 17 23 Parallel Strand Lumber *(06 17)*

06 17 23 00-0001 Laminated Strand Lumber (LSL) *(06 17 23)*

06 17 23 00-0002	LF	2" x 4" (LSL) Laminated Strand Lumber	2.91	1.07
06 17 23 00-0003	LF	2" x 6" (LSL) Laminated Strand Lumber	3.84	1.15

06 17 33 Wood I-Joists *(06 17)*

06 17 33 00-0001 Prefabricated Wood I-Joists *(06 17 33)*

06 17 33 00-0002	LF	9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.08	1.42
		For I-Joists 30' To 40' In Length, Add	*0.62*	
		For I-Joists >40' In Length, Add	*1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 33 00-0003	LF	11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	5.48	1.58
		For I-Joists 30' To 40' In Length, Add	*0.70*	
		For I-Joists >40' In Length, Add	*1.71*	
06 17 33 00-0004	LF	14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	6.41	1.78
		For I-Joists 30' To 40' In Length, Add	*0.78*	
		For I-Joists >40' In Length, Add	*1.92*	
06 17 33 00-0005	LF	16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length	7.20	1.98
		For I-Joists 30' To 40' In Length, Add	*0.87*	
		For I-Joists >40' In Length, Add	*2.13*	

06 17 43 Rim Boards *(06 17)*

06 17 43 00-0001 Oriented Strand Board (OSB) Rim Board *(06 17 43)*

06 17 43 00-0002	LF	1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board	7.04	2.40
06 17 43 00-0003	LF	1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board	7.65	2.43
06 17 43 00-0004	LF	1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board	8.34	2.47

06 17 53 Shop-Fabricated Wood Trusses *(06 17)*

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001 Pre-Assembled Wood Roof Trusses *(06 17 53)*

Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0002	EA	10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	207.12	82.91
		For Up To 15, Add	*3.10*	
		For >35, Deduct	*-2.07*	
		For 3 In 12 Slope, Add	*1.24*	
		For 5 In 12 Slope, Add	*3.30*	
		For 6 In 12 Slope, Add	*6.20*	
		For 7 In 12 Slope, Add	*8.26*	
		For 8 In 12 Slope, Add	*9.91*	
06 17 53 00-0003	EA	12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	229.84	90.81
		For Up To 15, Add	*3.62*	
		For >35, Deduct	*-2.41*	
		For 3 In 12 Slope, Add	*1.45*	
		For 5 In 12 Slope, Add	*3.86*	
		For 6 In 12 Slope, Add	*7.24*	
		For 7 In 12 Slope, Add	*9.65*	
		For 8 In 12 Slope, Add	*11.58*	
06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	255.44	98.70
		For Up To 15, Add	*4.35*	
		For >35, Deduct	*-2.90*	
		For 3 In 12 Slope, Add	*1.74*	
		For 5 In 12 Slope, Add	*4.64*	
		For 6 In 12 Slope, Add	*8.71*	
		For 7 In 12 Slope, Add	*11.61*	
		For 8 In 12 Slope, Add	*13.93*	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	288.62	106.60
		For Up To 15, Add	*5.66*	
		For >35, Deduct	*-3.77*	
		For 3 In 12 Slope, Add	*2.26*	
		For 5 In 12 Slope, Add	*6.03*	
		For 6 In 12 Slope, Add	*11.31*	
		For 7 In 12 Slope, Add	*15.09*	
		For 8 In 12 Slope, Add	*18.10*	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	317.44	114.49
		For Up To 15, Add	*6.63*	
		For >35, Deduct	*-4.42*	
		For 3 In 12 Slope, Add	*2.65*	
		For 5 In 12 Slope, Add	*7.08*	
		For 6 In 12 Slope, Add	*13.27*	
		For 7 In 12 Slope, Add	*17.69*	
		For 8 In 12 Slope, Add	*21.23*	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	335.27	126.33
		For Up To 15, Add	*6.20*	
		For >35, Deduct	*-4.13*	
		For 3 In 12 Slope, Add	*2.48*	
		For 5 In 12 Slope, Add	*6.61*	
		For 6 In 12 Slope, Add	*12.39*	
		For 7 In 12 Slope, Add	*16.52*	
		For 8 In 12 Slope, Add	*19.82*	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	353.47	201.35
		For Up To 15, Add	*6.38*	
		For >35, Deduct	*-4.25*	
		For 3 In 12 Slope, Add	*2.55*	
		For 5 In 12 Slope, Add	*6.80*	
		For 6 In 12 Slope, Add	*12.75*	
		For 7 In 12 Slope, Add	*17.00*	
		For 8 In 12 Slope, Add	*20.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	376.46	142.13
		For Up To 15, Add	*6.92*	
		For >35, Deduct	*-4.61*	
		For 3 In 12 Slope, Add	*2.77*	
		For 5 In 12 Slope, Add	*7.38*	
		For 6 In 12 Slope, Add	*13.83*	
		For 7 In 12 Slope, Add	*18.44*	
		For 8 In 12 Slope, Add	*22.13*	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	400.24	225.03
		For Up To 15, Add	*7.52*	
		For >35, Deduct	*-5.01*	
		For 3 In 12 Slope, Add	*3.01*	
		For 5 In 12 Slope, Add	*8.02*	
		For 6 In 12 Slope, Add	*15.03*	
		For 7 In 12 Slope, Add	*20.04*	
		For 8 In 12 Slope, Add	*24.05*	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	425.06	157.92
		For Up To 15, Add	*8.19*	
		For >35, Deduct	*-5.46*	
		For 3 In 12 Slope, Add	*3.28*	
		For 5 In 12 Slope, Add	*8.74*	
		For 6 In 12 Slope, Add	*16.38*	
		For 7 In 12 Slope, Add	*21.85*	
		For 8 In 12 Slope, Add	*26.22*	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	444.33	248.72
		For Up To 15, Add	*8.45*	
		For >35, Deduct	*-5.64*	
		For 3 In 12 Slope, Add	*3.38*	
		For 5 In 12 Slope, Add	*9.02*	
		For 6 In 12 Slope, Add	*16.91*	
		For 7 In 12 Slope, Add	*22.54*	
		For 8 In 12 Slope, Add	*27.05*	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	463.48	169.76
		For Up To 15, Add	*9.30*	
		For >35, Deduct	*-6.20*	
		For 3 In 12 Slope, Add	*3.72*	
		For 5 In 12 Slope, Add	*9.92*	
		For 6 In 12 Slope, Add	*18.59*	
		For 7 In 12 Slope, Add	*24.79*	
		For 8 In 12 Slope, Add	*29.75*	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	503.95	266.57
		For Up To 15, Add	*11.15*	
		For >35, Deduct	*-7.43*	
		For 3 In 12 Slope, Add	*4.46*	
		For 5 In 12 Slope, Add	*11.89*	
		For 6 In 12 Slope, Add	*22.29*	
		For 7 In 12 Slope, Add	*29.73*	
		For 8 In 12 Slope, Add	*35.67*	
06 17 53 00-0015	EA	36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	523.54	181.60
		For Up To 15, Add	*12.02*	
		For >35, Deduct	*-8.02*	
		For 3 In 12 Slope, Add	*4.81*	
		For 5 In 12 Slope, Add	*12.83*	
		For 6 In 12 Slope, Add	*24.05*	
		For 7 In 12 Slope, Add	*32.07*	
		For 8 In 12 Slope, Add	*38.48*	
06 17 53 00-0016	EA	38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	550.28	284.25
		For Up To 15, Add	*12.85*	
		For >35, Deduct	*-8.56*	
		For 3 In 12 Slope, Add	*5.14*	
		For 5 In 12 Slope, Add	*13.70*	
		For 6 In 12 Slope, Add	*25.69*	
		For 7 In 12 Slope, Add	*34.26*	
		For 8 In 12 Slope, Add	*41.11*	
06 17 53 00-0017	EA	40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	569.74	197.39
		For Up To 15, Add	*13.12*	
		For >35, Deduct	*-8.75*	
		For 3 In 12 Slope, Add	*5.25*	
		For 5 In 12 Slope, Add	*14.00*	
		For 6 In 12 Slope, Add	*26.24*	
		For 7 In 12 Slope, Add	*34.99*	
		For 8 In 12 Slope, Add	*41.99*	
06 17 53 00-0018	EA	42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	622.52	307.94
		For Up To 15, Add	*15.90*	
		For >35, Deduct	*-10.60*	
		For 3 In 12 Slope, Add	*6.36*	
		For 5 In 12 Slope, Add	*16.96*	
		For 6 In 12 Slope, Add	*31.79*	
		For 7 In 12 Slope, Add	*42.39*	
		For 8 In 12 Slope, Add	*50.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0019	EA	44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	674.30	213.19
		For Up To 15, Add	*18.59*	
		For >35, Deduct	*-12.40*	
		For 3 In 12 Slope, Add	*7.44*	
		For 5 In 12 Slope, Add	*19.83*	
		For 6 In 12 Slope, Add	*37.19*	
		For 7 In 12 Slope, Add	*49.59*	
		For 8 In 12 Slope, Add	*59.50*	
06 17 53 00-0020	EA	46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	698.09	221.08
		For Up To 15, Add	*19.19*	
		For >35, Deduct	*-12.80*	
		For 3 In 12 Slope, Add	*7.68*	
		For 5 In 12 Slope, Add	*20.47*	
		For 6 In 12 Slope, Add	*38.39*	
		For 7 In 12 Slope, Add	*51.18*	
		For 8 In 12 Slope, Add	*61.42*	
06 17 53 00-0021	EA	48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	731.52	228.98
		For Up To 15, Add	*20.52*	
		For >35, Deduct	*-13.68*	
		For 3 In 12 Slope, Add	*8.21*	
		For 5 In 12 Slope, Add	*21.88*	
		For 6 In 12 Slope, Add	*41.03*	
		For 7 In 12 Slope, Add	*54.71*	
		For 8 In 12 Slope, Add	*65.65*	
06 17 53 00-0022	EA	50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	823.92	236.88
		For Up To 15, Add	*26.26*	
		For >35, Deduct	*-17.51*	
		For 3 In 12 Slope, Add	*10.51*	
		For 5 In 12 Slope, Add	*28.01*	
		For 6 In 12 Slope, Add	*52.53*	
		For 7 In 12 Slope, Add	*70.03*	
		For 8 In 12 Slope, Add	*84.04*	
06 17 53 00-0023	EA	52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	786.95	213.03
		For Up To 15, Add	*23.49*	
		For >35, Deduct	*-15.66*	
		For 3 In 12 Slope, Add	*9.40*	
		For 5 In 12 Slope, Add	*25.06*	
		For 6 In 12 Slope, Add	*46.98*	
		For 7 In 12 Slope, Add	*62.64*	
		For 8 In 12 Slope, Add	*75.17*	
06 17 53 00-0024	EA	54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	825.75	248.72
		For Up To 15, Add	*24.62*	
		For >35, Deduct	*-16.42*	
		For 3 In 12 Slope, Add	*9.85*	
		For 5 In 12 Slope, Add	*26.27*	
		For 6 In 12 Slope, Add	*49.25*	
		For 7 In 12 Slope, Add	*65.66*	
		For 8 In 12 Slope, Add	*78.80*	
06 17 53 00-0025	EA	56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	857.69	230.56
		For Up To 15, Add	*25.83*	
		For >35, Deduct	*-17.22*	
		For 3 In 12 Slope, Add	*10.33*	
		For 5 In 12 Slope, Add	*27.56*	
		For 6 In 12 Slope, Add	*51.67*	
		For 7 In 12 Slope, Add	*68.89*	
		For 8 In 12 Slope, Add	*82.67*	
06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	884.70	260.57
		For Up To 15, Add	*27.27*	
		For >35, Deduct	*-18.18*	
		For 3 In 12 Slope, Add	*10.91*	
		For 5 In 12 Slope, Add	*29.09*	
		For 6 In 12 Slope, Add	*54.54*	
		For 7 In 12 Slope, Add	*72.72*	
		For 8 In 12 Slope, Add	*87.26*	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope	902.45	264.51
		For Up To 15, Add	*28.01*	
		For >35, Deduct	*-18.67*	
		For 3 In 12 Slope, Add	*11.20*	
		For 5 In 12 Slope, Add	*29.87*	
		For 6 In 12 Slope, Add	*56.01*	
		For 7 In 12 Slope, Add	*74.69*	
		For 8 In 12 Slope, Add	*89.62*	

06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses *(06 17 53)*

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	212.36	82.91
		For 3 In 12 Slope, Add	*1.40*	
		For 5 In 12 Slope, Add	*3.72*	
		For 6 In 12 Slope, Add	*6.98*	
		For 7 In 12 Slope, Add	*9.31*	
		For 8 In 12 Slope, Add	*11.17*	
		For 16" On Center Gable Studs, Add	*9.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	235.98	90.81
		For 3 In 12 Slope, Add	*1.63*	
		For 5 In 12 Slope, Add	*4.35*	
		For 6 In 12 Slope, Add	*8.16*	
		For 7 In 12 Slope, Add	*10.88*	
		For 8 In 12 Slope, Add	*13.05*	
		For 16" On Center Gable Studs, Add	*10.88*	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	262.82	98.70
		For 3 In 12 Slope, Add	*1.96*	
		For 5 In 12 Slope, Add	*5.23*	
		For 6 In 12 Slope, Add	*9.81*	
		For 7 In 12 Slope, Add	*13.09*	
		For 8 In 12 Slope, Add	*15.70*	
		For 16" On Center Gable Studs, Add	*13.09*	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	298.21	106.60
		For 3 In 12 Slope, Add	*2.55*	
		For 5 In 12 Slope, Add	*6.80*	
		For 6 In 12 Slope, Add	*12.75*	
		For 7 In 12 Slope, Add	*17.00*	
		For 8 In 12 Slope, Add	*20.40*	
		For 16" On Center Gable Studs, Add	*17.00*	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	328.69	114.49
		For 3 In 12 Slope, Add	*2.99*	
		For 5 In 12 Slope, Add	*7.98*	
		For 6 In 12 Slope, Add	*14.96*	
		For 7 In 12 Slope, Add	*19.94*	
		For 8 In 12 Slope, Add	*23.93*	
		For 16" On Center Gable Studs, Add	*19.94*	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	357.58	126.33
		For 3 In 12 Slope, Add	*3.15*	
		For 5 In 12 Slope, Add	*8.39*	
		For 6 In 12 Slope, Add	*15.74*	
		For 7 In 12 Slope, Add	*20.98*	
		For 8 In 12 Slope, Add	*25.18*	
		For 16" On Center Gable Studs, Add	*20.98*	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	376.43	134.23
		For 3 In 12 Slope, Add	*3.24*	
		For 5 In 12 Slope, Add	*8.64*	
		For 6 In 12 Slope, Add	*16.20*	
		For 7 In 12 Slope, Add	*21.59*	
		For 8 In 12 Slope, Add	*25.91*	
		For 16" On Center Gable Studs, Add	*21.59*	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	401.37	142.13
		For 3 In 12 Slope, Add	*3.51*	
		For 5 In 12 Slope, Add	*9.37*	
		For 6 In 12 Slope, Add	*17.57*	
		For 7 In 12 Slope, Add	*23.42*	
		For 8 In 12 Slope, Add	*28.11*	
		For 16" On Center Gable Studs, Add	*23.42*	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	427.30	150.02
		For 3 In 12 Slope, Add	*3.82*	
		For 5 In 12 Slope, Add	*10.18*	
		For 6 In 12 Slope, Add	*19.09*	
		For 7 In 12 Slope, Add	*25.45*	
		For 8 In 12 Slope, Add	*30.54*	
		For 16" On Center Gable Studs, Add	*25.45*	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	454.57	157.92
		For 3 In 12 Slope, Add	*4.16*	
		For 5 In 12 Slope, Add	*11.10*	
		For 6 In 12 Slope, Add	*20.81*	
		For 7 In 12 Slope, Add	*27.75*	
		For 8 In 12 Slope, Add	*33.30*	
		For 16" On Center Gable Studs, Add	*27.75*	
06 17 53 00-0039	EA	30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	475.99	165.81
		For 3 In 12 Slope, Add	*4.33*	
		For 5 In 12 Slope, Add	*11.55*	
		For 6 In 12 Slope, Add	*21.65*	
		For 7 In 12 Slope, Add	*28.87*	
		For 8 In 12 Slope, Add	*34.65*	
		For 16" On Center Gable Studs, Add	*28.87*	
06 17 53 00-0040	EA	32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	498.32	169.76
		For 3 In 12 Slope, Add	*4.76*	
		For 5 In 12 Slope, Add	*12.70*	
		For 6 In 12 Slope, Add	*23.82*	
		For 7 In 12 Slope, Add	*31.76*	
		For 8 In 12 Slope, Add	*38.11*	
		For 16" On Center Gable Studs, Add	*31.76*	
06 17 53 00-0041	EA	34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	545.71	177.66
		For 3 In 12 Slope, Add	*5.71*	
		For 5 In 12 Slope, Add	*15.23*	
		For 6 In 12 Slope, Add	*28.56*	
		For 7 In 12 Slope, Add	*38.08*	
		For 8 In 12 Slope, Add	*45.69*	
		For 16" On Center Gable Studs, Add	*38.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0042	EA	36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	568.60	181.60
		For 3 In 12 Slope, Add	*6.16*	
		For 5 In 12 Slope, Add	*16.43*	
		For 6 In 12 Slope, Add	*30.81*	
		For 7 In 12 Slope, Add	*41.08*	
		For 8 In 12 Slope, Add	*49.29*	
		For 16" On Center Gable Studs, Add	*41.08*	
06 17 53 00-0043	EA	38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	598.41	189.50
		For 3 In 12 Slope, Add	*6.58*	
		For 5 In 12 Slope, Add	*17.55*	
		For 6 In 12 Slope, Add	*32.91*	
		For 7 In 12 Slope, Add	*43.88*	
		For 8 In 12 Slope, Add	*52.66*	
		For 16" On Center Gable Studs, Add	*43.88*	
06 17 53 00-0044	EA	40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	633.02	197.39
		For 3 In 12 Slope, Add	*7.15*	
		For 5 In 12 Slope, Add	*19.06*	
		For 6 In 12 Slope, Add	*35.73*	
		For 7 In 12 Slope, Add	*47.65*	
		For 8 In 12 Slope, Add	*57.18*	
		For 16" On Center Gable Studs, Add	*47.65*	
06 17 53 00-0045	EA	42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	699.18	205.29
		For 3 In 12 Slope, Add	*8.66*	
		For 5 In 12 Slope, Add	*23.09*	
		For 6 In 12 Slope, Add	*43.29*	
		For 7 In 12 Slope, Add	*57.72*	
		For 8 In 12 Slope, Add	*69.26*	
		For 16" On Center Gable Studs, Add	*57.72*	
06 17 53 00-0046	EA	44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	763.98	213.19
		For 3 In 12 Slope, Add	*10.13*	
		For 5 In 12 Slope, Add	*27.01*	
		For 6 In 12 Slope, Add	*50.64*	
		For 7 In 12 Slope, Add	*67.52*	
		For 8 In 12 Slope, Add	*81.03*	
		For 16" On Center Gable Studs, Add	*67.52*	
06 17 53 00-0047	EA	46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	790.66	221.08
		For 3 In 12 Slope, Add	*10.45*	
		For 5 In 12 Slope, Add	*27.88*	
		For 6 In 12 Slope, Add	*52.27*	
		For 7 In 12 Slope, Add	*69.70*	
		For 8 In 12 Slope, Add	*83.64*	
		For 16" On Center Gable Studs, Add	*69.70*	
06 17 53 00-0048	EA	48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	830.46	228.98
		For 3 In 12 Slope, Add	*11.18*	
		For 5 In 12 Slope, Add	*29.80*	
		For 6 In 12 Slope, Add	*55.88*	
		For 7 In 12 Slope, Add	*74.50*	
		For 8 In 12 Slope, Add	*89.40*	
		For 16" On Center Gable Studs, Add	*74.50*	
06 17 53 00-0049	EA	50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	901.19	236.88
		For 3 In 12 Slope, Add	*12.82*	
		For 5 In 12 Slope, Add	*34.20*	
		For 6 In 12 Slope, Add	*64.12*	
		For 7 In 12 Slope, Add	*85.49*	
		For 8 In 12 Slope, Add	*102.59*	
		For 16" On Center Gable Studs, Add	*85.49*	
06 17 53 00-0050	EA	52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	922.68	244.77
		For 3 In 12 Slope, Add	*12.99*	
		For 5 In 12 Slope, Add	*34.65*	
		For 6 In 12 Slope, Add	*64.97*	
		For 7 In 12 Slope, Add	*86.63*	
		For 8 In 12 Slope, Add	*103.95*	
		For 16" On Center Gable Studs, Add	*86.63*	
06 17 53 00-0051	EA	54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	951.50	248.72
		For 3 In 12 Slope, Add	*13.62*	
		For 5 In 12 Slope, Add	*36.33*	
		For 6 In 12 Slope, Add	*68.11*	
		For 7 In 12 Slope, Add	*90.81*	
		For 8 In 12 Slope, Add	*108.98*	
		For 16" On Center Gable Studs, Add	*90.81*	
06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	989.61	256.61
		For 3 In 12 Slope, Add	*14.29*	
		For 5 In 12 Slope, Add	*38.11*	
		For 6 In 12 Slope, Add	*71.46*	
		For 7 In 12 Slope, Add	*95.28*	
		For 8 In 12 Slope, Add	*114.33*	
		For 16" On Center Gable Studs, Add	*95.28*	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,023.94	260.57
		For 3 In 12 Slope, Add	*15.08*	
		For 5 In 12 Slope, Add	*40.23*	
		For 6 In 12 Slope, Add	*75.42*	
		For 7 In 12 Slope, Add	*100.56*	
		For 8 In 12 Slope, Add	*120.68*	
		For 16" On Center Gable Studs, Add	*100.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope	1,045.47	264.51
		For 3 In 12 Slope, Add	*15.49*	
		For 5 In 12 Slope, Add	*41.32*	
		For 6 In 12 Slope, Add	*77.47*	
		For 7 In 12 Slope, Add	*103.29*	
		For 8 In 12 Slope, Add	*123.95*	
		For 16" On Center Gable Studs, Add	*103.29*	

06 18 Glued-Laminated Construction *(06 10)*

06 18 13 Glued-Laminated Beams *(06 18)*

06 18 13 00-0001 Glue Laminated Straight Beams *(06 18 13)*

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam	10.61	3.54
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam	13.25	4.42
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam	15.91	5.31
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam	16.80	5.61
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam	18.56	6.19
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam	21.21	7.07
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam	23.87	7.96
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam	24.74	8.26
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam	26.53	8.85
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam	28.27	9.44
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam	29.16	9.75
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam	31.81	10.62
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam	34.47	11.51
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam	37.11	12.40
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam	39.79	13.28
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam	16.66	5.56
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam	20.84	6.96
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam	25.01	8.34
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam	26.39	8.81
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam	29.16	9.75
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam	33.34	11.13
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam	37.51	12.52
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam	38.88	12.98
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam	41.67	13.91
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam	44.44	14.84
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam	45.84	15.30
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam	50.00	16.68
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam	54.17	18.09
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam	58.34	19.47
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam	62.50	20.86
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam	66.67	22.25
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam	30.69	10.24
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam	32.39	10.81
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam	35.79	11.95
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam	40.92	13.65
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam	46.03	15.36
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam	47.73	15.93
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam	51.14	17.08
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam	54.55	18.20
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam	56.25	18.77
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam	61.36	20.48
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam	66.48	22.19
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam	71.60	23.89
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam	76.70	25.60
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam	81.82	27.32
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam	39.79	13.28
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam	41.98	14.01
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam	46.40	15.49
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam	53.03	17.70
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam	59.66	19.91
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam	61.87	20.65
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam	66.28	22.12
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam	70.70	23.61
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam	72.92	24.34
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam	79.55	26.54
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam	86.19	28.76
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam	92.81	30.98
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam	99.43	33.18
06 18 13 00-0060	LF	8-3/4" x 24" Glue Laminated Straight Beam	106.06	35.40

06 18 13 00-0061 Glue Laminated Decking *(06 18 13)*

06 18 13 00-0062	LF	2" - 4" Thick x 4" Wide Glue Laminated Decking	5.51	2.30
06 18 13 00-0063	LF	2" - 4" Thick x 6" Wide Glue Laminated Decking	5.71	2.30
06 18 13 00-0064	LF	2" - 4" Thick x 8" Wide Glue Laminated Decking	5.87	2.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 18 16		**Glued-Laminated Columns** *(06 18)*		
06 18 16 00-0001		Glue Laminated Structural Units *(06 18 16)* Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.		
06 18 16 00-0002	LF	3-1/4" x 7-1/2" Glue Laminated Purlin Or Column	15.91	4.70
06 18 16 00-0003	LF	3-1/4" x 9-1/4" Glue Laminated Purlin Or Column	17.92	5.22
06 18 16 00-0004	LF	5-1/4" x 9-1/4" Glue Laminated Purlin Or Column	33.94	11.14
06 18 16 00-0005	LF	5-1/4" x 13" Glue Laminated Purlin Or Column	37.18	11.68
06 20		**Finish Carpentry** *(06)*		
06 22		**Millwork** *(06 20)*		
06 22 13		**Standard Pattern Wood Trim** *(06 22)*		
06 22 13 00-0001		Pine Moldings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0002	LF	1/4" x 1-1/4" Wood Lattice Strip	3.63	1.34
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 22 13 00-0003	LF	1/4" x 1-5/8" Wood Lattice Strip	3.80	1.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 22 13 00-0004	LF	1/4" x 2-1/2" Wood Lattice Strip	4.77	1.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 22 13 00-0005	LF	1/4" x 3-1/2" Wood Lattice Strip	5.33	1.07
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.50*	
06 22 13 00-0006		Ceilings (All Dimensions Are Nominal) *(06 22 13)*		
06 22 13 00-0007		White Pine *(06 22 13 00-0006)*		
06 22 13 00-0008	LF	9/16" x 3-5/8" White Pine Crown Or Bed Molding	16.76	4.67
		For Birch, Add	*3.63*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.21*	
		For Poplar, Add	*2.02*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
		For Stain Grade Material (No Finger Joints), Add	*1.31*	
06 22 13 00-0009	LF	11/16" x 4-5/8" White Pine Crown Or Bed Molding	22.40	5.60
		For Birch, Add	*5.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*7.28*	
		For Poplar, Add	*2.88*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.84*	
		For Stain Grade Material (No Finger Joints), Add	*1.87*	
06 22 13 00-0010	LF	3/4" x 3/4" White Pine Crown Or Bed Molding	8.34	3.20
		For Birch, Add	*1.08*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.88*	
		For Poplar, Add	*0.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
		For Stain Grade Material (No Finger Joints), Add	*0.39*	
06 22 13 00-0011	LF	9/16" x 1-5/8" White Pine Crown Or Bed Molding	9.44	3.20
		For Birch, Add	*1.48*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.38*	
		For Poplar, Add	*0.82*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
		For Stain Grade Material (No Finger Joints), Add	*0.53*	
06 22 13 00-0012	LF	9/16" x 2-1/4" White Pine Crown Or Bed Molding	12.35	4.00
		For Birch, Add	*2.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.22*	
		For Poplar, Add	*1.14*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.74*	
06 22 13 00-0013	LF	3/4" x 3-1/2" White Pine Crown Or Bed Molding	14.15	4.00
		For Birch, Add	*2.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*4.03*	
		For Poplar, Add	*1.50*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
		For Stain Grade Material (No Finger Joints), Add	*0.97*	
06 22 13 00-0014	LF	5/8" x 4-1/4" White Pine Crown Or Bed Molding	17.56	4.81
		For Birch, Add	*3.44*	
		For Mahogany, Oak, Maple Or Walnut, Add	*5.10*	
		For Poplar, Add	*1.91*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.84*	
		For Stain Grade Material (No Finger Joints), Add	*1.24*	
06 22 13 00-0015	LF	1" x 2" White Pine Dentil Molding	8.63	3.74
		For Birch, Add	*1.18*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.01*	
		For Poplar, Add	*0.66*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
		For Stain Grade Material (No Finger Joints), Add	*0.43*	
06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.23	2.81
		For Birch, Add	*1.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.85*	
		For Poplar, Add	*0.65*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
		For Stain Grade Material (No Finger Joints), Add	*0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.69	2.81
		For Birch, Add	*2.41*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.41*	
		For Poplar, Add	*1.34*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.92*	
		For Stain Grade Material (No Finger Joints), Add	*0.87*	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	4.31	1.60
		For Birch, Add	*0.55*	
		For Mahogany, Oak, Maple Or Walnut, Add	*0.97*	
		For Poplar, Add	*0.31*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.20*	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.69	1.60
		For Birch, Add	*0.69*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.14*	
		For Poplar, Add	*0.38*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.64*	
		For Stain Grade Material (No Finger Joints), Add	*0.25*	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	6.23	2.00
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.63*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	6.23	2.00
		For Birch, Add	*1.04*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.63*	
		For Poplar, Add	*0.58*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
		For Stain Grade Material (No Finger Joints), Add	*0.38*	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	7.98	2.00
		For Birch, Add	*1.67*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.42*	
		For Poplar, Add	*0.93*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.77*	
		For Stain Grade Material (No Finger Joints), Add	*0.60*	
06 22 13 00-0023	LF	7-1/2" Wide White Pine Mullion Covers	50.34	2.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 22 13 00-0024	LF	Three Piece White Pine Mullion Trim, 2 Cove Moldings	63.61	2.40
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	

06 22 13 00-0025 Cedar Trim *(06 22 13 00-0006)*

06 22 13 00-0026	LF	2" x 4" Cedar Ceiling Trim	14.60	6.71
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.22*	

06 22 13 00-0027 Oak Trim *(06 22 13 00-0006)*

06 22 13 00-0028	LF	1" x 8" Clear Oak Ceiling Trim	15.09	6.18
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*2.06*	

06 22 13 00-0029 Closet Poles *(06 22 13)*

06 22 13 00-0030	LF	1-1/8" Diameter Pine Closet Poles	12.68	3.47
06 22 13 00-0031	LF	1-5/8" Diameter Pine Closet Poles	15.27	3.47
06 22 13 00-0032	LF	2" Diameter Pine Closet Poles	20.60	3.87

06 25 Prefinished Paneling *(06 20)*

06 25 16 Prefinished Plywood Paneling *(06 25)*

06 25 16 00-0001 Hardboard Panels *(06 25 16)*

Note: Excludes furring and trim.

06 25 16 00-0002 Tempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0003	SF	1/4" Tempered Hardboard Panels	8.01	2.41
		For Waterproof Glue, Add	*0.18*	
		For Ceiling Installation, Add	*1.65*	
		For Glue Laminated Installation, Add	*0.40*	
		For 1/8" Thick Paneling, Deduct	*-0.81*	
		For 1/2" Thick Paneling, Add	*2.02*	
		For 5/8" Thick Paneling, Add	*2.55*	
		For 3/4" Thick Paneling, Add	*3.23*	
		For Fire Retardant Treatment (Class I), Add	*1.99*	
06 25 16 00-0004	SF	1/4" Plastic Faced Tempered Hardboard Panels	8.76	2.95
		For Waterproof Glue, Add	*0.16*	
		For Ceiling Installation, Add	*1.94*	
		For Glue Laminated Installation, Add	*0.44*	
		For 1/8" Thick Paneling, Deduct	*-0.84*	
		For 1/2" Thick Paneling, Add	*2.02*	
		For 5/8" Thick Paneling, Add	*2.51*	
		For 3/4" Thick Paneling, Add	*3.13*	
		For Fire Retardant Treatment (Class I), Add	*1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 25 16 00-0005	SF	1/4" Pegboard Tempered Hardboard Panels	9.73	2.41
		For Waterproof Glue, Add	*0.30*	
		For Ceiling Installation, Add	*1.65*	
		For Glue Laminated Installation, Add	*0.49*	
		For 1/8" Thick Paneling, Deduct	*-1.09*	
		For 1/2" Thick Paneling, Add	*2.95*	
		For 5/8" Thick Paneling, Add	*3.84*	
		For 3/4" Thick Paneling, Add	*4.98*	
		For Fire Retardant Treatment (Class I), Add	*3.35*	
06 25 16 00-0006	SF	1/4" Plastic Faced Pegboard Tempered Hardboard	9.28	2.95
		For Waterproof Glue, Add	*0.20*	
		For Ceiling Installation, Add	*1.94*	
		For Glue Laminated Installation, Add	*0.46*	
		For 1/8" Thick Paneling, Deduct	*-0.92*	
		For 1/2" Thick Paneling, Add	*2.30*	
		For 5/8" Thick Paneling, Add	*2.90*	
		For 3/4" Thick Paneling, Add	*3.66*	
		For Fire Retardant Treatment (Class I), Add	*2.24*	

06 25 16 00-0007 Untempered Hardboard Panels *(06 25 16 00-0001)*

06 25 16 00-0008	SF	1/4" Untempered Hardboard Panels	7.47	2.41
		For Waterproof Glue, Add	*0.14*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.22*	
		For Fire Retardant Treatment (Class I), Add	*1.56*	

06 40 Architectural Woodwork *(06)*

06 41 Architectural Wood Casework *(06 40)*

06 41 13 Wood-Veneer-Faced Architectural Cabinets *(06 41)*

06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters *(06 41 13)*

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Removal And Reinstallation Of Wood Base Cabinets	102.11
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	88.78
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	21.01

06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets *(06 41 13)*

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0006)*

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	394.85	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	419.70	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	438.63	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	461.12	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0012	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	523.02	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0013	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	546.31	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0014	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	590.14	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0015	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	621.21	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0016	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	640.48	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0017	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	729.51	106.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0018	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	804.25	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0019	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	891.87	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0020	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	843.44	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0021	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	940.62	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0022	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	400.59	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0023	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	410.14	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0024	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	447.23	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0025	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	475.46	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0026	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	495.30	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0027	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	519.55	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0028	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	841.53	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0029	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	886.94	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0030	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	932.02	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0031	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	488.53	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0032	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	499.03	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0033	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	540.90	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	574.87	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	604.27	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	634.25	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	881.67	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	931.87	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	983.64	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	355.66	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	378.70	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	417.15	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	443.91	86.75
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	302.17	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	309.62	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	324.71	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	333.12	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	342.48	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	358.52	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	383.19	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	417.15	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	443.91	86.75
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	313.64	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	329.69	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	341.92	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	355.10	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	373.07	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	393.52	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	412.05	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	427.16	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	436.27	80.07
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0006)*

06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	343.67	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	373.16	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	397.54	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	426.74	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0070	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	455.04	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0071	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	497.46	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0072	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	509.31	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0073	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	554.24	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0074	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	570.48	80.07
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0075		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0076	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	384.77	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0077	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	416.17	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0078	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	443.42	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0079	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	474.53	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0080	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	553.50	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0081	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	556.72	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0082	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	576.22	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0083	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	628.80	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0084	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	645.04	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0085		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0086	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	427.79	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0087	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	465.87	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0088	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	495.04	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0089	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	525.19	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0090	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	570.70	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0091	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	608.34	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0092	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	639.31	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0093	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	698.57	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0094	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	719.60	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0095		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0006)*		
06 41 13 00-0096	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	407.57	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0097	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	436.73	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0098	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	468.43	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0099	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	505.43	86.75
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0100	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet	594.16	106.77
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0101		**Utility Cabinets, 84" High** *(06 41 13 00-0006)*		
06 41 13 00-0102	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	783.22	59.31
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0103	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	884.17	71.18
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0104	EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	991.82	557.56
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0105	EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,043.08	94.91
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0106	EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,255.85	118.63
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0107	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,443.79	142.36
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0108	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	880.72	59.31
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0109	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	973.07	71.18
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0110	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,108.44	83.04
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,177.85	94.91
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,453.72	118.63
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet	1,657.90	142.36
		For All Plywood Box Construction, Add	*233.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0114		Solid Oak Face Frame And Door, Wall And Base Cabinets *(06 41 13 00-0005)*		
06 41 13 00-0115		Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0114)*		
06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	357.57	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	379.55	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	396.57	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	417.15	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	471.40	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	492.79	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	530.87	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	559.08	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	576.44	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet	655.91	106.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	720.13	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	797.24	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	754.54	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	840.26	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	363.31	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	371.90	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	404.22	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	429.58	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	447.51	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	468.89	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	752.63	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0137	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	792.31	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0138	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	832.61	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0139	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	439.78	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0140	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	450.29	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0141	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	487.38	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0142	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	517.52	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0143	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	543.09	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0144	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	570.21	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0145	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	788.00	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0146	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	832.46	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0147	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet	878.49	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0148		**Wall Cabinets, 12" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0149	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	323.16	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0150	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	343.33	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0151	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	377.96	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0152	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet	401.86	86.75
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0153		**Wall Cabinets, 14" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0154	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	275.40	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0155	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	281.90	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0156	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	295.08	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0157	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	303.49	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0158	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	311.89	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0159	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	326.02	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0160	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	347.82	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0161	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	377.96	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0162	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	401.86	86.75
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0163		**Wall Cabinets, 18" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0164	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	284.96	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0165	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	299.10	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0166	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	310.38	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0167	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	322.60	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0168	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	338.66	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0169	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	357.19	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0170	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	372.86	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0171	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	387.01	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0172	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	395.17	80.07
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0173		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0174	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	314.04	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0175	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	340.66	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0176	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	362.17	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0177	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	387.55	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0178	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	412.99	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0179	EA	27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	450.62	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0180	EA	30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	461.52	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0181	EA	33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	500.71	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0182	EA	36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	516.00	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0183		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0184	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	350.36	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0185	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	377.94	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0186	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	402.32	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0187	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	429.61	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0188	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	499.97	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0189	EA	27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	502.24	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0190	EA	30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	519.83	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0191	EA	33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	566.67	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0192	EA	36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	581.00	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0193		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0194	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	387.64	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0195	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	421.90	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0196	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	448.20	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0197	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	474.53	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0198	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet	515.26	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0199	EA	27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	548.12	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0200	EA	30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	575.27	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0201	EA	33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	627.84	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0202	EA	36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	646.95	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0203		**Wall Cabinets, 12" High, 23-3/4" Deep** *(06 41 13 00-0114)*		
06 41 13 00-0204	EA	30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	370.29	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0205	EA	33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	396.58	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0206	EA	36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	424.46	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0207	EA	39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet	457.63	86.75
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0208	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet	535.85	106.77
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0209		**Utility Cabinets, 84" High** *(06 41 13 00-0114)*		
06 41 13 00-0210	EA	15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	714.40	59.31
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0211	EA	18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	805.79	71.18
		For All Plywood Box Construction, Add	*233.23*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0212		EA	21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	902.93	557.56
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0213		EA	24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	950.36	94.91
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0214		EA	30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,139.24	118.63
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0215		EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,307.10	142.36
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0216		EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	800.43	59.31
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0217		EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	884.17	71.18
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0218		EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,005.21	83.04
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0219		EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,068.89	94.91
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0220		EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,313.21	118.63
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0221		EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet	1,495.40	142.36
			For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0222			Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets *(06 41 13 00-0005)*		
06 41 13 00-0223			Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0222)*		
06 41 13 00-0224		EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	357.57	26.69
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0225		EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	379.55	33.36
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0226		EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	396.57	40.04
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0227		EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	417.15	46.71
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0228		EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	471.40	53.39
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0229		EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	492.79	60.06
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0230		EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	530.87	66.72
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0231		EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	559.08	73.40
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0232		EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	576.44	80.07
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0233		EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet	655.91	106.77
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0234		EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	720.13	66.72
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0235		EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	797.24	80.07
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0236		EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	754.54	66.72
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0237		EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	840.26	80.07
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
			For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0238		EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	363.31	26.69
			For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
			For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	371.90	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	404.22	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	429.58	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	447.51	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	468.89	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	752.63	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	792.31	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	832.61	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	439.78	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	450.29	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	487.38	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	517.52	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	543.09	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	570.21	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	788.00	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	832.46	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet	878.49	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	323.16	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	343.33	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	377.96	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	401.86	86.75
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	275.40	26.69
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	281.90	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	295.08	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	303.49	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	311.89	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	326.02	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	347.82	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0269	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	377.96	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0270	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	401.86	86.75
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0271 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0272	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	284.96	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0273	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	299.10	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0274	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	310.38	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0275	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	322.60	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0276	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	338.66	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0277	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	357.19	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0278	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	372.86	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0279	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	387.01	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0280	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	395.17	80.07
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0281 Wall Cabinets, 30" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0282	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	314.04	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0283	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	340.66	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0284	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	362.17	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0285	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	387.55	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0286	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	412.99	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0287	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	450.62	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0288	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	461.52	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0289	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	500.71	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0290	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	516.00	80.07
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0291 Wall Cabinets, 36" High, 12" Deep *(06 41 13 00-0222)*

06 41 13 00-0292	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	350.36	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0293	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	377.94	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0294	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	402.32	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0295	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	429.61	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0296	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	499.97	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0297	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	502.24	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0298	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	519.83	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0299	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	566.67	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0300	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	581.00	80.07
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0301 Wall Cabinets, 42" High, 12" Deep *(06 41 13 00-0222)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0302	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	387.64	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0303	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	421.90	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0304	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	448.20	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0305	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	474.53	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0306	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet	515.26	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0307	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	548.12	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0308	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	575.27	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0309	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	627.84	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	646.95	80.07
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0222)*

06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	370.29	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	396.58	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	424.46	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	457.63	86.75
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	535.85	106.77
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0317 Utility Cabinets, 84" High *(06 41 13 00-0222)*

06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	714.40	59.31
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	805.79	71.18
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	902.93	557.56
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	950.36	94.91
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,139.24	118.63
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,307.10	142.36
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	800.43	59.31
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	884.17	71.18
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,005.21	83.04
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,068.89	94.91
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,313.21	118.63
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,495.40	142.36
		For All Plywood Box Construction, Add	*233.23*	

06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets *(06 41 13 00-0005)*

06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep *(06 41 13 00-0330)*

06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	357.57	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	379.55	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	396.57	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	417.15	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	471.40	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	492.79	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	530.87	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	559.08	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	576.44	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*112.79*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	655.91	106.77
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0342	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	720.13	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0343	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	797.24	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*225.58*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0344	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	754.54	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0345	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	840.26	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0346	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	363.31	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0347	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	371.90	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0348	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	404.22	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0349	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	429.58	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0350	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	447.51	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0351	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	468.89	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0352	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	752.63	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0353	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	792.31	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0354	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	832.61	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*338.37*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0355	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	439.78	26.69
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0356	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	450.29	33.36
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0357	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	487.38	40.04
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0358	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	517.52	46.71
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0359	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	543.09	53.39
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0360	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	570.21	60.06
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0361	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	788.00	66.72
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0362	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	832.46	73.40
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	
06 41 13 00-0363	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet	878.49	80.07
		For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add	*451.17*	
		For All Plywood Box Construction, Add	*117.57*	

06 41 13 00-0364 Wall Cabinets, 12" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0365	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	323.16	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0366	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	343.33	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0367	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	377.96	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0368	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	401.86	86.75
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0369 Wall Cabinets, 14" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0370	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	275.40	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0371	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	281.90	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0372	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	295.08	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0373	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	303.49	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0374	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	311.89	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0375	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	326.02	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0376	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	347.82	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0377	EA	36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	377.96	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0378	EA	39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	401.86	86.75
		For All Plywood Box Construction, Add	*63.09*	

06 41 13 00-0379 Wall Cabinets, 18" High, 12" Deep *(06 41 13 00-0330)*

06 41 13 00-0380	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	284.96	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0381	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	299.10	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0382	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	310.38	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0383	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	322.60	46.71
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0384	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	338.66	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0385	EA	27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	357.19	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0386	EA	30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	372.86	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0387	EA	33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	387.01	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0388	EA	36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	395.17	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0389		**Wall Cabinets, 30" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0390	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	314.04	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0391	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	340.66	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0392	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	362.17	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0393	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	387.55	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0394	EA	24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	412.99	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0395	EA	27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	450.62	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0396	EA	30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	461.52	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0397	EA	33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	500.71	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0398	EA	36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	516.00	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0399		**Wall Cabinets, 36" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0400	EA	12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	350.36	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0401	EA	15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	377.94	33.36
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0402	EA	18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	402.32	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0403	EA	21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	429.61	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0404	EA	24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	499.97	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0405	EA	27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	502.24	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0406	EA	30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	519.83	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0407	EA	33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	566.67	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0408	EA	36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	581.00	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0409		**Wall Cabinets, 42" High, 12" Deep** *(06 41 13 00-0330)*		
06 41 13 00-0410	EA	12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	387.64	26.69
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0411	EA	15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	421.90	33.36
		For All Plywood Box Construction, Add	*63.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0412	EA	18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	448.20	40.04
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0413	EA	21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	474.53	46.71
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0414	EA	24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet	515.26	53.39
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0415	EA	27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	548.12	60.09
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0416	EA	30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	575.27	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0417	EA	33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	627.84	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0418	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	646.95	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0419		Wall Cabinets, 12" High, 23-3/4" Deep *(06 41 13 00-0330)*		
06 41 13 00-0420	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	370.29	66.72
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0421	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	396.58	73.40
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0422	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	424.46	80.07
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	457.63	86.75
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet	535.85	106.77
		For All Plywood Box Construction, Add	*63.09*	
06 41 13 00-0425		Utility Cabinets, 84" High *(06 41 13 00-0330)*		
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	714.40	59.31
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	805.79	71.18
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	902.93	557.56
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	950.36	94.91
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,139.24	118.63
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,307.10	142.36
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	800.43	59.31
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	884.17	71.18
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,005.21	83.04
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,068.89	94.91
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,313.21	118.63
		For All Plywood Box Construction, Add	*233.23*	
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet	1,495.40	142.36
		For All Plywood Box Construction, Add	*233.23*	
06 41 93		**Cabinet and Drawer Hardware** *(06 41)*		
06 41 93 00-0001		Cabinet Hardware *(06 41 93)*		
		Note: Includes all finishes, and mounting screws.		
06 41 93 00-0002	EA	4" To 6" Long, 1/2" Diameter, Cabinet Bar Pull	31.75	11.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 93 00-0003	EA	7" To 9" Long, 1/2" Diameter, Cabinet Bar Pull	32.69	11.35
06 41 93 00-0004	EA	10" To 12" Long, 1/2" Diameter, Cabinet Bar Pull	34.33	11.35
06 41 93 00-0005	EA	3" To 4-1/2", Flat Cabinet Pull Handle	36.16	11.35
06 41 93 00-0006	EA	5" To 6-1/2", Flat Cabinet Pull Handle	37.10	11.35
06 41 93 00-0007	EA	7" To 8-1/2", Flat Cabinet Pull Handle	47.22	11.35
06 41 93 00-0008	EA	12" To 12-1/2", Flat Cabinet Pull Handle	89.08	11.35
06 41 93 00-0009	EA	1-7/16" Diameter, Mushroom Cabinet Pull Knobs	24.67	8.67
06 41 93 00-0010	EA	3-7/16" x 1-5/8" x 1" Projection, Cabinet Cup Pull	24.50	8.67
06 41 93 00-0011	EA	1-1/4" Long, Finger Cabinet Pull	33.34	10.01
06 41 93 00-0012	EA	3" Long, Finger Cabinet Pull	37.74	10.01
06 41 93 00-0013	EA	4" Long, Finger Cabinet Pull	40.75	10.01
06 41 93 00-0014	EA	6" Long, Finger Cabinet Pull	44.86	10.01
06 41 93 00-0015	EA	12" Long, Finger Cabinet Pull	63.96	10.01
06 41 93 00-0016	EA	Cabinet Spring Loaded Adjustable Barrel Ball Catch	47.86	13.35
06 41 93 00-0017	EA	Cabinet Surface Mounted Square or Matchbook Latch	70.14	13.35
06 41 93 00-0018	EA	Cabinet Door or Drawer Mortised Lock With 2 Keys	188.85	20.02
06 41 93 00-0019	EA	Cabinet Door or Drawer Bored Lock with 2 Keys	63.46	11.35
06 41 93 00-0020	EA	Cabinet Surface Mounted Slide or Barrel Bolt Latch	42.98	11.35

06 42 Wood Paneling *(06 40)*

Note: Includes glue for installation.

06 42 13 Wood Board Paneling *(06 42)*

06 42 13 00-0001 Solid Wood Paneling *(06 42 13)*

06 42 13 00-0002 7/16" Solid Wood Paneling, Tongue And Groove, 3" To 5" Wide *(06 42 13 00-0001)*

06 42 13 00-0003	SF	Homestead Cedar Paneling Tongue And Groove, 7/16"	12.35	2.81
06 42 13 00-0004	SF	Homestead Juniper Paneling Tongue And Groove, 7/16"	13.01	2.81

06 42 13 00-0005 7/16" Solid Wood Paneling, Tongue And Groove, 6" To 10" Wide *(06 42 13 00-0001)*

06 42 13 00-0006	SF	8" Random Plank Tongue And Groove, 7/16"	24.18	2.66
06 42 13 00-0007	SF	8" Solid Plank Tongue And Groove, 7/16"	22.08	2.66

06 42 13 00-0008 1/2" Solid Wood Paneling, Tongue And Groove, 4" To 6" Wide *(06 42 13 00-0001)*

06 42 13 00-0009	SF	Alder Wood Tongue And Groove Paneling, 1/2"	14.31	2.81

06 42 13 00-0010 1" Solid Wood Paneling, Shiplap, 6" To 8" Wide *(06 42 13 00-0001)*

06 42 13 00-0011	SF	1" Teredo (Driftwood) Wood Shiplap	9.20	2.40

06 42 16 Flush Wood Paneling *(06 42)*

06 42 16 00-0001 Veneer Hardboard Panels *(06 42 16)*

06 42 16 00-0002	SF	1/4" Maple Or Birch Veneer Paneling	9.46	2.41
		For Waterproof Glue, Add	*0.28*	
		For Ceiling Installation, Add	*1.65*	

06 42 16 00-0003 Plywood Unfinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0004 Birch *(06 42 16 00-0003)*

06 42 16 00-0005	SF	1/4" Unfinished Birch Plywood, Natural Faced With Trim	6.11	2.15
		For Waterproof Glue, Add	*0.09*	
		For Ceiling Installation, Add	*1.45*	
		For Installation On Metal Studs Or Furring, Add	*0.53*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.14*	
		For 1/8" Thick Paneling, Deduct	*-0.55*	
		For 1/2" Thick Paneling, Add	*1.27*	
		For 5/8" Thick Paneling, Add	*1.54*	
		For 3/4" Thick Paneling, Add	*1.89*	
		For Fire Retardant Treatment (Class I), Add	*1.01*	
06 42 16 00-0006	SF	1/4" Unfinished Birch Plywood, Select With Trim	6.20	2.15
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.45*	
		For Installation On Metal Studs Or Furring, Add	*0.53*	
		For Glue Laminated Installation, Add	*0.31*	
		For Lumber Core, Add	*0.15*	
		For 1/8" Thick Paneling, Deduct	*-0.57*	
		For 1/2" Thick Paneling, Add	*1.32*	
		For 5/8" Thick Paneling, Add	*1.61*	
		For 3/4" Thick Paneling, Add	*1.98*	
		For Fire Retardant Treatment (Class I), Add	*1.08*	

06 42 16 00-0007 Knotty Pine *(06 42 16 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0008	SF	1/4" Knotty Pine Plywood, Grade AA Unfinished With Trim	7.06	2.41
		For Waterproof Glue, Add	*0.12*	
		For Ceiling Installation, Add	*1.61*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.19*	
		For 1/8" Thick Paneling, Deduct	*-0.66*	
		For 1/2" Thick Paneling, Add	*1.56*	
		For 5/8" Thick Paneling, Add	*1.91*	
		For 3/4" Thick Paneling, Add	*2.37*	
		For Fire Retardant Treatment (Class I), Add	*1.34*	
06 42 16 00-0009	SF	1/4" Knotty Pine Plywood, Grade AD Unfinished With Trim	6.98	2.41
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.61*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.64*	
		For 1/2" Thick Paneling, Add	*1.51*	
		For 5/8" Thick Paneling, Add	*1.85*	
		For 3/4" Thick Paneling, Add	*2.29*	
		For Fire Retardant Treatment (Class I), Add	*1.27*	

06 42 16 00-0010 Cedar (Aromatic - Closet Lining) *(06 42 16 00-0003)*

06 42 16 00-0011	SF	1/4" Cedar Plywood, Standard Grade Unfinished With Trim, Closet Lining	7.12	2.69
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.81*	
		For Installation On Metal Studs Or Furring, Add	*0.66*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.12*	
		For 1/8" Thick Paneling, Deduct	*-0.60*	
		For 1/2" Thick Paneling, Add	*1.31*	
		For 5/8" Thick Paneling, Add	*1.53*	
		For 3/4" Thick Paneling, Add	*1.83*	
		For Fire Retardant Treatment (Class I), Add	*0.85*	
06 42 16 00-0012	SF	1/4" Cedar Plywood, Particle Board Unfinished With Trim, Closet Lining	7.18	2.69
		For Waterproof Glue, Add	*0.08*	
		For Ceiling Installation, Add	*1.81*	
		For Installation On Metal Studs Or Furring, Add	*0.66*	
		For Glue Laminated Installation, Add	*0.36*	
		For Lumber Core, Add	*0.13*	
		For 1/8" Thick Paneling, Deduct	*-0.61*	
		For 1/2" Thick Paneling, Add	*1.34*	
		For 5/8" Thick Paneling, Add	*1.58*	
		For 3/4" Thick Paneling, Add	*1.89*	
		For Fire Retardant Treatment (Class I), Add	*0.90*	

06 42 16 00-0013 Top Grade Plywood Prefinished With Trim 1/4" Thick *(06 42 16)*

06 42 16 00-0014	SF	1/4" Top Grade Plywood, Birch Veneer Prefinished With Trim	6.80	2.41
		For Flitch Matched Veneer, Add	*0.72*	
		For Second Grade Veneer, Deduct	*-0.14*	
		For Third Grade Veneer, Deduct	*-0.21*	
		For Waterproof Glue, Add	*0.10*	
		For Ceiling Installation, Add	*1.61*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.34*	
		For Lumber Core, Add	*0.16*	
		For 1/8" Thick Paneling, Deduct	*-0.61*	
		For 1/2" Thick Paneling, Add	*1.42*	
		For 5/8" Thick Paneling, Add	*1.72*	
		For 3/4" Thick Paneling, Add	*2.10*	
		For Fire Retardant Treatment (Class I), Add	*1.13*	
06 42 16 00-0015	SF	1/4" Top Grade Plywood, Cherry Veneer Prefinished With Trim	7.44	2.41
		For Flitch Matched Veneer, Add	*1.04*	
		For Second Grade Veneer, Deduct	*-0.21*	
		For Third Grade Veneer, Deduct	*-0.31*	
		For Waterproof Glue, Add	*0.14*	
		For Ceiling Installation, Add	*1.61*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.37*	
		For Lumber Core, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.72*	
		For 1/2" Thick Paneling, Add	*1.76*	
		For 5/8" Thick Paneling, Add	*2.20*	
		For 3/4" Thick Paneling, Add	*2.76*	
		For Fire Retardant Treatment (Class I), Add	*1.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0016	SF	1/4" Top Grade Plywood, Chestnut Veneer Prefinished With Trim	10.87	2.41
		For Flitch Matched Veneer, Add	*2.22*	
		For Second Grade Veneer, Deduct	*-0.44*	
		For Third Grade Veneer, Deduct	*-0.67*	
		For Waterproof Glue, Add	*0.31*	
		For Ceiling Installation, Add	*1.93*	
		For Installation On Metal Studs Or Furring, Add	*0.71*	
		For Glue Laminated Installation, Add	*0.54*	
		For Lumber Core, Add	*0.49*	
		For 1/8" Thick Paneling, Deduct	*-1.19*	
		For 1/2" Thick Paneling, Add	*3.17*	
		For 5/8" Thick Paneling, Add	*4.10*	
		For 3/4" Thick Paneling, Add	*5.30*	
		For Fire Retardant Treatment (Class I), Add	*3.51*	
06 42 16 00-0017	SF	1/4" Top Grade Plywood, Lauan Veneer Prefinished With Trim	5.76	2.41
		For Flitch Matched Veneer, Add	*0.47*	
		For Second Grade Veneer, Deduct	*-0.09*	
		For Third Grade Veneer, Deduct	*-0.14*	
		For Waterproof Glue, Add	*0.07*	
		For Ceiling Installation, Add	*1.45*	
		For Installation On Metal Studs Or Furring, Add	*0.53*	
		For Glue Laminated Installation, Add	*0.29*	
		For Lumber Core, Add	*0.10*	
		For 1/8" Thick Paneling, Deduct	*-0.49*	
		For 1/2" Thick Paneling, Add	*1.09*	
		For 5/8" Thick Paneling, Add	*1.28*	
		For 3/4" Thick Paneling, Add	*1.54*	
		For Fire Retardant Treatment (Class I), Add	*0.74*	
06 42 16 00-0018	SF	1/4" Top Grade Plywood, Mahogany Veneer Prefinished With Trim	9.61	2.41
		For Flitch Matched Veneer, Add	*1.79*	
		For Second Grade Veneer, Deduct	*-0.36*	
		For Third Grade Veneer, Deduct	*-0.54*	
		For Waterproof Glue, Add	*0.25*	
		For Ceiling Installation, Add	*1.81*	
		For Installation On Metal Studs Or Furring, Add	*0.66*	
		For Glue Laminated Installation, Add	*0.48*	
		For Lumber Core, Add	*0.39*	
		For 1/8" Thick Paneling, Deduct	*-1.02*	
		For 1/2" Thick Paneling, Add	*2.65*	
		For 5/8" Thick Paneling, Add	*3.40*	
		For 3/4" Thick Paneling, Add	*4.37*	
		For Fire Retardant Treatment (Class I), Add	*2.82*	
06 42 16 00-0019	SF	1/4" Top Grade Plywood, Red Oak Veneer Prefinished With Trim	6.95	2.41
		For Flitch Matched Veneer, Add	*0.79*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.24*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.61*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.17*	
		For 1/8" Thick Paneling, Deduct	*-0.64*	
		For 1/2" Thick Paneling, Add	*1.50*	
		For 5/8" Thick Paneling, Add	*1.83*	
		For 3/4" Thick Paneling, Add	*2.26*	
		For Fire Retardant Treatment (Class I), Add	*1.25*	
06 42 16 00-0020	SF	1/4" Top Grade Plywood, Pecan Veneer Prefinished With Trim	8.13	2.41
		For Flitch Matched Veneer, Add	*1.05*	
		For Second Grade Veneer, Deduct	*-0.21*	
		For Third Grade Veneer, Deduct	*-0.31*	
		For Waterproof Glue, Add	*0.15*	
		For Ceiling Installation, Add	*1.81*	
		For Installation On Metal Studs Or Furring, Add	*0.66*	
		For Glue Laminated Installation, Add	*0.41*	
		For Lumber Core, Add	*0.23*	
		For 1/8" Thick Paneling, Deduct	*-0.77*	
		For 1/2" Thick Paneling, Add	*1.85*	
		For 5/8" Thick Paneling, Add	*2.29*	
		For 3/4" Thick Paneling, Add	*2.86*	
		For Fire Retardant Treatment (Class I), Add	*1.65*	
06 42 16 00-0021	SF	1/4" Top Grade Plywood, Rosewood Veneer Prefinished With Trim	12.61	2.41
		For Flitch Matched Veneer, Add	*2.53*	
		For Second Grade Veneer, Deduct	*-0.51*	
		For Third Grade Veneer, Deduct	*-0.76*	
		For Waterproof Glue, Add	*0.35*	
		For Ceiling Installation, Add	*2.27*	
		For Installation On Metal Studs Or Furring, Add	*0.83*	
		For Glue Laminated Installation, Add	*0.63*	
		For Lumber Core, Add	*0.56*	
		For 1/8" Thick Paneling, Deduct	*-1.37*	
		For 1/2" Thick Paneling, Add	*3.64*	
		For 5/8" Thick Paneling, Add	*4.70*	
		For 3/4" Thick Paneling, Add	*6.07*	
		For Fire Retardant Treatment (Class I), Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 42 16 00-0022	SF	1/4" Top Grade Plywood, Teak Veneer Prefinished With Trim	9.61	2.41
		For Flitch Matched Veneer, Add	*1.79*	
		For Second Grade Veneer, Deduct	*-0.36*	
		For Third Grade Veneer, Deduct	*-0.54*	
		For Waterproof Glue, Add	*0.25*	
		For Ceiling Installation, Add	*1.81*	
		For Installation On Metal Studs Or Furring, Add	*0.66*	
		For Glue Laminated Installation, Add	*0.48*	
		For Lumber Core, Add	*0.39*	
		For 1/8" Thick Paneling, Deduct	*-1.02*	
		For 1/2" Thick Paneling, Add	*2.65*	
		For 5/8" Thick Paneling, Add	*3.40*	
		For 3/4" Thick Paneling, Add	*4.37*	
		For Fire Retardant Treatment (Class I), Add	*2.82*	
06 42 16 00-0023	SF	1/4" Top Grade Plywood, Walnut Veneer Prefinished With Trim	8.41	2.41
		For Flitch Matched Veneer, Add	*1.52*	
		For Second Grade Veneer, Deduct	*-0.30*	
		For Third Grade Veneer, Deduct	*-0.46*	
		For Waterproof Glue, Add	*0.21*	
		For Ceiling Installation, Add	*1.61*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.42*	
		For Lumber Core, Add	*0.33*	
		For 1/8" Thick Paneling, Deduct	*-0.88*	
		For 1/2" Thick Paneling, Add	*2.29*	
		For 5/8" Thick Paneling, Add	*2.92*	
		For 3/4" Thick Paneling, Add	*3.75*	
		For Fire Retardant Treatment (Class I), Add	*2.40*	
06 42 16 00-0024	SF	1/4" Top Grade Plywood, Maple Veneer Prefinished With Trim	6.98	2.41
		For Flitch Matched Veneer, Add	*0.81*	
		For Second Grade Veneer, Deduct	*-0.16*	
		For Third Grade Veneer, Deduct	*-0.24*	
		For Waterproof Glue, Add	*0.11*	
		For Ceiling Installation, Add	*1.61*	
		For Installation On Metal Studs Or Furring, Add	*0.59*	
		For Glue Laminated Installation, Add	*0.35*	
		For Lumber Core, Add	*0.18*	
		For 1/8" Thick Paneling, Deduct	*-0.64*	
		For 1/2" Thick Paneling, Add	*1.51*	
		For 5/8" Thick Paneling, Add	*1.85*	
		For 3/4" Thick Paneling, Add	*2.29*	
		For Fire Retardant Treatment (Class I), Add	*1.27*	
06 42 16 00-0025		Accessories *(06 42 16)*		
06 42 16 00-0026	EA	Aluminum Panel Retainer "J" With Bolt	42.72	

06 42 19 Plastic-Laminate-Faced Wood Paneling *(06 42)*

06 42 19 00-0001		Plastic Laminate *(06 42 19)* Note: Standard colors and patterns.		
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel Note: Includes cutting to fit.	12.20	4.67

06 43 Wood Stairs and Railings *(06 40)*

06 43 13 Wood Stairs *(06 43)*

06 43 13 00-0001		Stair Parts *(06 43 13)*		
06 43 13 00-0002	EA	30" Baluster, Pine	64.69	27.09
06 43 13 00-0003	EA	30" Baluster, Birch	75.83	27.09
06 43 13 00-0004	EA	42" Baluster, Pine	72.71	28.01
06 43 13 00-0005	EA	42" Baluster, Birch	84.58	28.01
06 43 13 00-0006	EA	3-1/4" Wide Newels, Starting	374.91	106.47
06 43 13 00-0007	EA	3-1/4" Wide Newels, Landing	547.69	149.42
06 43 13 00-0008	LF	Oak Gooseneck, 1 Riser	229.51	93.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.66*	
06 43 13 00-0009	LF	Oak Gooseneck, 2 Riser	267.82	102.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*33.70*	
06 43 13 00-0010	LF	Oak Handrail, 2-1/2" x 3" With Quarter Turn	45.90	14.01
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*4.60*	
06 43 13 00-0011	LF	1-1/16" x 9-1/2" Oak Stair Tread	58.73	7.87
		For Beech, Add	*12.92*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.60*	
06 43 13 00-0012	LF	1-1/16" x 11-1/2" Oak Stair Tread	70.99	7.87
		For Beech, Add	*16.60*	
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.60*	
06 43 13 00-0013	LF	1-1/16" x 11-1/2" Pine Stair Tread	33.03	7.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.60*	
06 43 13 00-0014	LF	3/4" x 7-1/2" High Beech Riser	44.56	8.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.76*	
06 43 13 00-0015	LF	3/4" x 7-1/2" High Oak Riser	41.96	8.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.76*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 43 13 00-0016	LF	3/4" x 7-1/2" High Fir Riser	25.24	8.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.76*	
06 43 13 00-0017	LF	3/4" x 7-1/2" High Pine Riser	24.43	8.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.76*	
06 43 13 00-0018	SF	Framed Stair Landings, 3/4" Plywood Surface, Per SF Of Landing	52.41	
06 43 13 00-0019		Interior Box Stairs *(06 43 13)*		
		Note: Factory cut and assembled straight closed box stairs, unfinished.		
06 43 13 00-0020	EA	30" Wide Pine Box Stair, Per Riser	327.05	81.25
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*26.69*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*78.82*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*26.51*	
		For Oak Or Maple Treads, Add	*94.95*	
06 43 13 00-0021	EA	32" Wide Pine Box Stair, Per Riser	346.31	83.11
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.30*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*79.61*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*26.84*	
		For Oak Or Maple Treads, Add	*102.43*	
06 43 13 00-0022	EA	34" Wide Pine Box Stair, Per Riser	364.30	84.05
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.61*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*80.02*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.01*	
		For Oak Or Maple Treads, Add	*109.91*	
06 43 13 00-0023	EA	36" Wide Pine Box Stair, Per Riser	385.09	84.98
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*27.92*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*80.41*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.17*	
		For Oak Or Maple Treads, Add	*118.67*	
06 43 13 00-0024	EA	38" Wide Pine Box Stair, Per Riser	397.44	85.92
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.22*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*80.81*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.34*	
		For Oak Or Maple Treads, Add	*123.63*	
06 43 13 00-0025	EA	40" Wide Pine Box Stair, Per Riser	411.14	87.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*28.84*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*81.62*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.67*	
		For Oak Or Maple Treads, Add	*128.59*	
06 43 13 00-0026	EA	42" Wide Pine Box Stair, Per Riser	423.48	88.72
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.15*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.02*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*27.84*	
		For Oak Or Maple Treads, Add	*133.54*	
06 43 13 00-0027	EA	44" Wide Pine Box Stair, Per Riser	435.86	89.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.46*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.42*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.01*	
		For Oak Or Maple Treads, Add	*138.50*	
06 43 13 00-0028	EA	46" Wide Pine Box Stair, Per Riser	448.16	90.59
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*29.76*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*82.81*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.17*	
		For Oak Or Maple Treads, Add	*143.46*	
06 43 13 00-0029	EA	48" Wide Pine Box Stair, Per Riser	463.09	93.39
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*30.68*	
		For Prefinished Stair Rail With Balusters And Newel, Add	*84.02*	
		For Each LF Of Prefinished Handrail, Brackets And Baluster, Add	*28.68*	
		For Oak Or Maple Treads, Add	*148.36*	
06 43 16		**Wood Railings** *(06 43)*		
06 43 16 00-0001		Handrails *(06 43 16)*		
06 43 16 00-0002		Wood Handrail With Brackets *(06 43 16 00-0001)*		
		Note: Includes pine, fir or red oak interior grade or pressure treated exterior grade handrail with brackets.		
06 43 16 00-0003	LF	1-1/2" x 1-11/16", Wood Handrail With Brackets	21.16	6.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.07*	
06 43 16 00-0004	LF	1-7/8" x 2-5/8", Wood Handrail With Brackets	22.74	6.67
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*3.07*	
06 43 16 00-0005	LF	1-1/2" Diameter, Wood Handrail With Brackets	28.00	6.67
06 43 16 00-0006	LF	1-3/4" Diameter, Wood Handrail With Brackets	29.31	6.67
06 43 16 00-0007	LF	2" Diameter, Wood Handrail With Brackets	34.04	6.67
06 43 16 00-0008	LF	2-1/2" Diameter, Wood Handrail With Brackets	48.65	6.67
06 44		**Ornamental Woodwork** *(06 40)*		
06 44 39		**Wood Posts and Columns** *(06 44)*		
06 44 39 00-0001		Columns *(06 44 39)*		
06 44 39 00-0002		Pine Colonial Columns, Round Tapered With Cap And Base *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0003	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	78.43	7.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0004	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	97.98	10.56
06 44 39 00-0005	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	120.32	12.22
06 44 39 00-0006	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	144.27	12.77
06 44 39 00-0007	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	323.96	14.44
06 44 39 00-0008	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	376.52	15.55
06 44 39 00-0009	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	453.52	16.66
06 44 39 00-0010	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	541.75	17.77
06 44 39 00-0011	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	90.45	7.22
06 44 39 00-0012	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	107.61	10.56
06 44 39 00-0013	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	133.63	12.22
06 44 39 00-0014	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	158.49	12.77
06 44 39 00-0015	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	352.86	14.44
06 44 39 00-0016	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	480.20	15.55
06 44 39 00-0017	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	517.74	16.66
06 44 39 00-0018	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Tapered With Cap And Base	583.03	17.77
06 44 39 00-0019		**Pine Colonial Columns, Round Non-Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0020	LF	6" Diameter Plain Column, Pine Colonial Columns, Round Tapered With Cap And Base	94.58	7.22
06 44 39 00-0021	LF	8" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	116.33	10.56
06 44 39 00-0022	LF	10" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	144.18	12.22
06 44 39 00-0023	LF	12" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	174.09	12.77
06 44 39 00-0024	LF	14" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	398.78	14.44
06 44 39 00-0025	LF	16" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	464.14	15.55
06 44 39 00-0026	LF	18" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	560.08	16.66
06 44 39 00-0027	LF	20" Diameter Plain Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	670.10	17.77
06 44 39 00-0028	LF	6" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	109.63	7.22
06 44 39 00-0029	LF	8" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	129.49	10.56
06 44 39 00-0030	LF	10" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	161.43	12.22
06 44 39 00-0031	LF	12" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	192.34	12.77
06 44 39 00-0032	LF	14" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	434.98	14.44
06 44 39 00-0033	LF	16" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	594.10	15.55
06 44 39 00-0034	LF	18" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	640.59	16.66
06 44 39 00-0035	LF	20" Diameter Fluted Column, Pine Colonial Columns, Round Non-Tapered With Cap And Base	721.89	17.77
06 44 39 00-0036		**Pine Classical Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed pine.		
06 44 39 00-0037	LF	6" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	84.14	7.22
06 44 39 00-0038	LF	8" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	104.85	10.56
06 44 39 00-0039	LF	10" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	128.96	12.22
06 44 39 00-0040	LF	12" Diameter Plain Column, Pine Classical Columns, Round Tapered With Cap And Base	154.97	12.77
06 44 39 00-0041	LF	6" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	97.24	7.22
06 44 39 00-0042	LF	8" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	115.35	10.56
06 44 39 00-0043	LF	10" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	143.46	12.22
06 44 39 00-0044	LF	12" Diameter Fluted Column, Pine Classical Columns, Round Tapered With Cap And Base	170.46	12.77
06 44 39 00-0045		**Redwood Colonial Columns, Round Tapered With Cap And Base** *(06 44 39 00-0001)*		
		Note: Paint grade/finger jointed redwood.		
06 44 39 00-0046	LF	6" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	132.19	7.22
06 44 39 00-0047	LF	8" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	158.53	10.56
06 44 39 00-0048	LF	10" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	197.85	12.22
06 44 39 00-0049	LF	12" Diameter Plain Column, Redwood Colonial Columns, Round Tapered With Cap And Base	242.44	12.77
06 44 39 00-0050	LF	6" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	152.38	7.22
06 44 39 00-0051	LF	8" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	180.09	10.56
06 44 39 00-0052	LF	10" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	223.08	12.22
06 44 39 00-0053	LF	12" Diameter Fluted Column, Redwood Colonial Columns, Round Tapered With Cap And Base	275.47	12.77
06 44 39 00-0054		**Ornamental Or Decorative Cap And Bases, Resin** *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0055	EA	6" Resin Corinthian Capital And Base	415.32	14.99
06 44 39 00-0056	EA	8" Resin Corinthian Capital And Base	629.67	16.66
06 44 39 00-0057	EA	10" Resin Corinthian Capital And Base	878.35	19.44
06 44 39 00-0058	EA	12" Resin Corinthian Capital And Base	1,122.44	22.21
06 44 39 00-0059	EA	6" Resin Greek Erectheum Cap And Base	369.45	14.99
06 44 39 00-0060	EA	8" Resin Greek Erectheum Cap And Base	514.99	16.66
06 44 39 00-0061	EA	10" Resin Greek Erectheum Cap And Base	639.82	19.44
06 44 39 00-0062	EA	12" Resin Greek Erectheum Cap And Base	838.03	22.21
06 44 39 00-0063	EA	6" Resin Roman Ionic Capital And Base	388.91	15.55
06 44 39 00-0064	EA	8" Resin Roman Ionic Capital And Base	514.99	16.66
06 44 39 00-0065	EA	10" Resin Roman Ionic Capital And Base	639.82	19.44
06 44 39 00-0066	EA	12" Resin Roman Ionic Capital And Base	815.09	22.21
06 44 39 00-0067	EA	6" Resin Scamozzi Capital And Base	393.50	15.55
06 44 39 00-0068	EA	8" Resin Scamozzi Capital And Base	560.86	16.66
06 44 39 00-0069	EA	10" Resin Scamozzi Capital And Base	662.75	19.44
06 44 39 00-0070	EA	12" Resin Scamozzi Capital And Base	911.43	22.21
06 44 39 00-0071	EA	6" Resin Temple Of Winds Cap And Base	393.50	15.55
06 44 39 00-0072	EA	8" Resin Temple Of Winds Cap And Base	611.32	16.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 44 39 00-0073	EA	10" Resin Temple Of Winds Cap And Base	809.54	19.44
06 44 39 00-0074	EA	12" Resin Temple Of Winds Cap And Base	1,003.17	22.21
06 44 39 00-0075		Ornamental Or Decorative Cap And Bases, Plaster *(06 44 39 00-0001)*		
		Note: For tapered wood columns.		
06 44 39 00-0076	EA	6" Plaster Corinthian Capital And Base	841.94	14.99
06 44 39 00-0077	EA	8" Plaster Corinthian Capital And Base	946.19	16.66
06 44 39 00-0078	EA	10" Plaster Corinthian Capital And Base	1,204.05	19.44
06 44 39 00-0079	EA	12" Plaster Corinthian Capital And Base	1,324.28	22.21
06 44 39 00-0080	EA	6" Plaster Greek Erectheum Cap And Base	557.53	14.99
06 44 39 00-0081	EA	8" Plaster Greek Erectheum Cap And Base	648.02	16.66
06 44 39 00-0082	EA	10" Plaster Greek Erectheum Cap And Base	800.37	19.44
06 44 39 00-0083	EA	12" Plaster Greek Erectheum Cap And Base	1,007.76	22.21
06 44 39 00-0084	EA	6" Plaster Roman Ionic Capital And Base	535.70	15.55
06 44 39 00-0085	EA	8" Plaster Roman Ionic Capital And Base	703.06	16.66
06 44 39 00-0086	EA	10" Plaster Roman Ionic Capital And Base	850.83	19.44
06 44 39 00-0087	EA	12" Plaster Roman Ionic Capital And Base	1,007.76	22.21
06 44 39 00-0088	EA	6" Plaster Scamozzi Capital And Base	636.62	15.55
06 44 39 00-0089	EA	8" Plaster Scamozzi Capital And Base	845.27	16.66
06 44 39 00-0090	EA	10" Plaster Scamozzi Capital And Base	951.75	19.44
06 44 39 00-0091	EA	12" Plaster Scamozzi Capital And Base	1,209.60	22.21
06 44 39 00-0092	EA	6" Plaster Temple Of Winds Cap And Base	535.70	15.55
06 44 39 00-0093	EA	8" Plaster Temple Of Winds Cap And Base	693.89	16.66
06 44 39 00-0094	EA	10" Plaster Temple Of Winds Cap And Base	905.88	19.44
06 44 39 00-0095	EA	12" Plaster Temple Of Winds Cap And Base	1,159.14	22.21
06 44 39 00-0096	EA	6" Plaster Empire Capital And Base	604.51	15.55
06 44 39 00-0097	EA	8" Plaster Empire Capital And Base	739.76	16.66
06 44 39 00-0098	EA	10" Plaster Empire Capital And Base	901.29	19.44
06 44 39 00-0099	EA	12" Plaster Empire Capital And Base	1,007.76	22.21

06 46 Wood Trim *(06 40)*

06 46 13 Wood Door and Window Casings *(06 46)*

06 46 13 00-0001 Door and Window Casings *(06 46 13)*

06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding	6.16	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding	6.21	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim	7.70	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.10*	

06 46 19 Wood Base and Shoe Moldings *(06 46)*

06 46 19 00-0001 Base And Shoe Molding *(06 46 19)*

06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim	6.41	2.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 19 00-0003	LF	3/4" x 3/4" Pine Quarter Round Trim	6.84	2.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 19 00-0004	LF	3-1/2" High White Pine Base Molding, All Dimensions Are Nominal	8.07	1.60
		For Clear Birch, Add	*0.87*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*1.76*	
		For Stain Grade Material (No Finger Joints), Add	*0.49*	
		For Clear Poplar, Add	*0.55*	
06 46 19 00-0005	LF	4-1/2" High White Pine Base Molding, All Dimensions Are Nominal	9.82	2.00
		For Clear Birch, Add	*1.01*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.08*	
		For Stain Grade Material (No Finger Joints), Add	*0.57*	
		For Clear Poplar, Add	*0.63*	
06 46 19 00-0006	LF	5-1/2" High White Pine Base Molding, All Dimensions Are Nominal	12.21	2.27
		For Clear Birch, Add	*1.56*	
		For Clear Mahogany, Oak, Maple Or Walnut, Add	*2.93*	
		For Stain Grade Material (No Finger Joints), Add	*0.88*	
		For Clear Poplar, Add	*0.97*	
06 46 19 00-0007	LF	3/4" x 1" Oak Base Shoe	7.94	2.53
06 46 19 00-0008	LF	3/4" x 1" White Pine Base Shoe, Stain Grade	7.69	2.53
06 46 19 00-0009	LF	3/4" x 1" White Pine Base Shoe, Paint Grade	7.15	2.53

06 46 23 Wood Chair Rails *(06 46)*

06 46 23 00-0001 Chair Rails *(06 46 23)*

06 46 23 00-0002	LF	5/8" x 2-1/2" White Pine Shaped Chair Rail	9.82	2.40
		For Birch, Add	*1.43*	
		For Mahogany, Oak, Maple Or Walnut, Add	*2.55*	
		For Poplar, Add	*0.90*	
06 46 23 00-0003	LF	5/8" x 3-1/2" White Pine Shaped Chair Rail	12.09	2.40
		For Birch, Add	*2.16*	
		For Mahogany, Oak, Maple Or Walnut, Add	*3.57*	
		For Poplar, Add	*1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 23 00-0004	LF	1/2" x 1-5/8" White Pine Shaped Chair Rail	7.28	2.40
		For Birch, Add	*1.05*	
		For Mahogany, Oak, Maple Or Walnut, Add	*1.88*	
		For Poplar, Add	*0.66*	

06 46 26 Wood Cornices *(06 46)*

06 46 26 00-0001 Wood Cornices *(06 46 26)*

06 46 26 00-0002	LF	1" x 2" White Pine Cornices, All Dimensions Are Nominal	7.38	2.40
		For Birch, Add	*0.73*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*1.45*	
		For Poplar, Add	*0.92*	
06 46 26 00-0003	LF	1" x 4" White Pine Cornices, All Dimensions Are Nominal	9.24	2.53
		For Birch, Add	*1.32*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*2.21*	
		For Poplar, Add	*1.66*	
06 46 26 00-0004	LF	1" x 6" White Pine Cornices, All Dimensions Are Nominal	12.83	2.66
		For Birch, Add	*2.53*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*3.74*	
		For Poplar, Add	*3.16*	
06 46 26 00-0005	LF	1" x 8" White Pine Cornices, All Dimensions Are Nominal	14.79	2.66
		For Birch, Add	*3.14*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*4.53*	
		For Poplar, Add	*3.93*	
06 46 26 00-0006	LF	1" x 10" White Pine Cornices, All Dimensions Are Nominal	17.06	2.81
		For Birch, Add	*3.86*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*5.45*	
		For Poplar, Add	*4.82*	
06 46 26 00-0007	LF	1" x 12" White Pine Cornices, All Dimensions Are Nominal	21.92	3.07
		For Birch, Add	*5.49*	
		For Mahogany, Oak, Maple, Or Walnut, Add	*7.53*	
		For Poplar, Add	*6.86*	

06 46 29 Wood Fasciae and Soffits *(06 46)*

06 46 29 00-0001 Fascia Board *(06 46 29)*

06 46 29 00-0002 Pine Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0003	LF	1" x 6" Pine Fascia Board	6.15	2.66
06 46 29 00-0004	LF	1" x 8" Pine Fascia Board	7.02	2.97
06 46 29 00-0005	LF	1" x 10" Pine Fascia Board	7.56	3.11
06 46 29 00-0006	LF	1" x 12" Pine Fascia Board	8.85	3.48
06 46 29 00-0007	LF	2" x 6" Pine Fascia Board	6.09	2.66
06 46 29 00-0008	LF	2" x 8" Pine Fascia Board	6.93	2.97
06 46 29 00-0009	LF	2" x 10" Pine Fascia Board	7.68	3.11
06 46 29 00-0010	LF	2" x 12" Pine Fascia Board	9.22	3.48
06 46 29 00-0011	LF	2" x 6" Trim, Exterior, Pine, Resawn Fascia	7.97	2.66
06 46 29 00-0012	LF	2" x 8" Trim, Exterior, Pine, Resawn Fascia	9.40	2.97
06 46 29 00-0013	LF	2" x 10" Trim, Exterior, Pine, Resawn Fascia	10.63	3.11
06 46 29 00-0014	LF	2" x 12" Trim, Exterior, Pine, Resawn Fascia	13.62	3.48

06 46 29 00-0015 Cedar Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0016	LF	1" x 6" Cedar Fascia Board	6.54	2.66
06 46 29 00-0017	LF	1" x 8" Cedar Fascia Board	7.62	2.97
06 46 29 00-0018	LF	1" x 10" Cedar Fascia Board	8.73	3.11
06 46 29 00-0019	LF	1" x 12" Cedar Fascia Board	10.49	3.48

06 46 29 00-0020 Engineered Wood Fascia Board *(06 46 29 00-0001)*

06 46 29 00-0021	LF	1" x 6" Engineered Wood Fascia Board	5.93	2.66
06 46 29 00-0022	LF	1" x 8" Engineered Wood Fascia Board	6.72	2.97
06 46 29 00-0023	LF	1" x 12" Engineered Wood Fascia Board	8.14	3.48

06 46 29 00-0024 Soffit *(06 46 29)*

06 46 29 00-0025 Sanded Plywood Soffit *(06 46 29 00-0024)*

06 46 29 00-0026	SF	3/8" Thick, Sanded Plywood Soffit	5.07	2.02
06 46 29 00-0027	SF	1/2" Thick, Sanded Plywood Soffit	5.53	2.12
06 46 29 00-0028	SF	5/8" Thick, Sanded Plywood Soffit	5.81	2.22
06 46 29 00-0029	SF	3/4" Thick, Sanded Plywood Soffit	6.37	2.33

06 46 29 00-0030 MDO Plywood Soffit *(06 46 29 00-0024)*

06 46 29 00-0031	SF	3/8" Thick, MDO Plywood Soffit	5.56	2.02
06 46 29 00-0032	SF	1/2" Thick, MDO Plywood Soffit	6.15	2.12
06 46 29 00-0033	SF	3/4" Thick, MDO Plywood Soffit	7.56	2.33

06 46 29 00-0034 Exterior Ceiling Gypsum Board Soffit *(06 46 29 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 29 00-0035	SF	1/2" Thick, Exterior Ceiling Gypsum Board Soffit	4.18	1.76
06 46 29 00-0036	SF	5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit	4.50	1.85

06 46 36 Custom Wood Molding *(06 46)*

Note: Includes set-up, knife charge, gluing (Where necessary for widths over 7-1/2"). All dimensions are nominal.

06 46 36 00-0001 Ash *(06 46 36)*

06 46 36 00-0002	LF	3/4" x 1-1/2" Custom Shaped Ash	9.29	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0003	LF	3/4" x 2-1/2" Custom Shaped Ash	11.73	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0004	LF	3/4" x 3-1/2" Custom Shaped Ash	14.17	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0005	LF	3/4" x 4-1/2" Custom Shaped Ash	16.62	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0006	LF	3/4" x 5-1/2" Custom Shaped Ash	19.21	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0007	LF	3/4" x 6-1/2" Custom Shaped Ash	21.81	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0008	LF	3/4" x 7-1/2" Custom Shaped Ash	24.23	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0009	LF	3/4" x 8-1/2" Custom Shaped Ash	26.70	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0010	LF	3/4" x 9-1/2" Custom Shaped Ash	29.08	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0011	LF	3/4" x 10-1/2" Custom Shaped Ash	31.70	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0012	LF	3/4" x 11-1/2" Custom Shaped Ash	34.20	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0013	LF	1" x 1-1/2" Custom Shaped Ash	11.00	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0014	LF	1" x 2-1/2" Custom Shaped Ash	14.21	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0015	LF	1" x 3-1/2" Custom Shaped Ash	17.42	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0016	LF	1" x 4-1/2" Custom Shaped Ash	20.63	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0017	LF	1" x 5-1/2" Custom Shaped Ash	24.04	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0018	LF	1" x 6-1/2" Custom Shaped Ash	27.40	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0019	LF	1" x 7-1/2" Custom Shaped Ash	30.58	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0020	LF	1" x 8-1/2" Custom Shaped Ash	33.82	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0021	LF	1" x 9-1/2" Custom Shaped Ash	37.02	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0022	LF	1" x 10-1/2" Custom Shaped Ash	40.40	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0023	LF	1" x 11-1/2" Custom Shaped Ash	43.67	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0024	LF	1-1/4" x 1-1/2" Custom Shaped Ash	13.16	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0025	LF	1-1/4" x 2-1/2" Custom Shaped Ash	17.41	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0026	LF	1-1/4" x 3-1/2" Custom Shaped Ash	21.65	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0027	LF	1-1/4" x 4-1/2" Custom Shaped Ash	25.90	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0028	LF	1-1/4" x 5-1/2" Custom Shaped Ash	30.28	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0029	LF	1-1/4" x 6-1/2" Custom Shaped Ash	34.68	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0030	LF	1-1/4" x 7-1/2" Custom Shaped Ash	38.92	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0031	LF	1-1/4" x 8-1/2" Custom Shaped Ash	43.19	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0032	LF	1-1/4" x 9-1/2" Custom Shaped Ash	47.37	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0033	LF	1-1/4" x 10-1/2" Custom Shaped Ash	51.79	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0034	LF	1-1/4" x 11-1/2" Custom Shaped Ash	56.10	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0035	LF	1-1/2" x 1-1/2" Custom Shaped Ash	16.24	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0036	LF	1-1/2" x 2-1/2" Custom Shaped Ash	21.96	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0037	LF	1-1/2" x 3-1/2" Custom Shaped Ash	27.68	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0038	LF	1-1/2" x 4-1/2" Custom Shaped Ash	33.40	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0039	LF	1-1/2" x 5-1/2" Custom Shaped Ash	39.13	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0040	LF	1-1/2" x 6-1/2" Custom Shaped Ash	45.14	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0041	LF	1-1/2" x 7-1/2" Custom Shaped Ash	50.95	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0042	LF	1-1/2" x 8-1/2" Custom Shaped Ash	56.60	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0043	LF	1-1/2" x 9-1/2" Custom Shaped Ash	62.25	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0044	LF	1-1/2" x 10-1/2" Custom Shaped Ash	68.69	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0045	LF	1-1/2" x 11-1/2" Custom Shaped Ash	73.92	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	

06 46 36 00-0046 Basswood *(06 46 36)*

06 46 36 00-0047	LF	3/4" x 1-1/2" Custom Shaped Basswood	7.76	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0048	LF	3/4" x 2-1/2" Custom Shaped Basswood	9.44	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0049	LF	3/4" x 3-1/2" Custom Shaped Basswood	11.12	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0050	LF	3/4" x 4-1/2" Custom Shaped Basswood	12.80	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0051	LF	3/4" x 5-1/2" Custom Shaped Basswood	14.62	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0052	LF	3/4" x 6-1/2" Custom Shaped Basswood	16.45	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0053	LF	3/4" x 7-1/2" Custom Shaped Basswood	18.11	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0054	LF	3/4" x 8-1/2" Custom Shaped Basswood	19.82	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0055	LF	3/4" x 9-1/2" Custom Shaped Basswood	21.43	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0056	LF	3/4" x 10-1/2" Custom Shaped Basswood	23.29	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0057	LF	3/4" x 11-1/2" Custom Shaped Basswood	25.03	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0058	LF	1" x 1-1/2" Custom Shaped Basswood	8.82	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0059	LF	1" x 2-1/2" Custom Shaped Basswood	10.93	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0060	LF	1" x 3-1/2" Custom Shaped Basswood	13.05	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0061	LF	1" x 4-1/2" Custom Shaped Basswood	15.16	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0062	LF	1" x 5-1/2" Custom Shaped Basswood	17.49	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0063	LF	1" x 6-1/2" Custom Shaped Basswood	19.75	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0064	LF	1" x 7-1/2" Custom Shaped Basswood	21.85	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0065	LF	1" x 8-1/2" Custom Shaped Basswood	23.99	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0066	LF	1" x 9-1/2" Custom Shaped Basswood	26.09	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0067	LF	1" x 10-1/2" Custom Shaped Basswood	28.39	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0068	LF	1" x 11-1/2" Custom Shaped Basswood	30.57	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0069	LF	1-1/2" x 1-1/2" Custom Shaped Basswood	11.96	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0070	LF	1-1/2" x 2-1/2" Custom Shaped Basswood	15.61	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0071	LF	1-1/2" x 3-1/2" Custom Shaped Basswood	19.25	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0072	LF	1-1/2" x 4-1/2" Custom Shaped Basswood	22.90	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0073	LF	1-1/2" x 5-1/2" Custom Shaped Basswood	26.68	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0074	LF	1-1/2" x 6-1/2" Custom Shaped Basswood	30.48	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0075	LF	1-1/2" x 7-1/2" Custom Shaped Basswood	34.11	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0076	LF	1-1/2" x 8-1/2" Custom Shaped Basswood	37.79	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0077	LF	1-1/2" x 9-1/2" Custom Shaped Basswood	41.36	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0078	LF	1-1/2" x 10-1/2" Custom Shaped Basswood	45.19	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0079	LF	1-1/2" x 11-1/2" Custom Shaped Basswood	48.89	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0080	LF	3-1/2" x 3-1/2" Custom Shaped Basswood	45.93	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0081	LF	3-1/2" x 4-1/2" Custom Shaped Basswood	56.24	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0082	LF	3-1/2" x 5-1/2" Custom Shaped Basswood	66.43	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0083	LF	3-1/2" x 6-1/2" Custom Shaped Basswood	76.88	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0084	LF	3-1/2" x 7-1/2" Custom Shaped Basswood	87.06	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0085	LF	3-1/2" x 8-1/2" Custom Shaped Basswood	97.48	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0086	LF	3-1/2" x 9-1/2" Custom Shaped Basswood	107.55	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0087	LF	3-1/2" x 10-1/2" Custom Shaped Basswood	117.73	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0088	LF	3-1/2" x 11-1/2" Custom Shaped Basswood	128.19	2.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0089		**Birch** *(06 46 36)*		
06 46 36 00-0090	LF	3/4" x 1-1/2" Custom Shaped Birch	8.30	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0091	LF	3/4" x 2-1/2" Custom Shaped Birch	10.26	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0092	LF	3/4" x 3-1/2" Custom Shaped Birch	12.21	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0093	LF	3/4" x 4-1/2" Custom Shaped Birch	14.16	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0094	LF	3/4" x 5-1/2" Custom Shaped Birch	16.26	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0095	LF	3/4" x 6-1/2" Custom Shaped Birch	18.37	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0096	LF	3/4" x 7-1/2" Custom Shaped Birch	20.30	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0097	LF	3/4" x 8-1/2" Custom Shaped Birch	22.28	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0098	LF	3/4" x 9-1/2" Custom Shaped Birch	24.16	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0099	LF	3/4" x 10-1/2" Custom Shaped Birch	26.29	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0100	LF	3/4" x 11-1/2" Custom Shaped Birch	28.31	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0101	LF	1" x 1-1/2" Custom Shaped Birch	9.64	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0102	LF	1" x 2-1/2" Custom Shaped Birch	12.13	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0103	LF	1" x 3-1/2" Custom Shaped Birch	14.69	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0104	LF	1" x 4-1/2" Custom Shaped Birch	17.24	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0105	LF	1" x 5-1/2" Custom Shaped Birch	19.94	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0106	LF	1" x 6-1/2" Custom Shaped Birch	22.59	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0107	LF	1" x 7-1/2" Custom Shaped Birch	25.12	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0108	LF	1" x 8-1/2" Custom Shaped Birch	27.71	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0109	LF	1" x 9-1/2" Custom Shaped Birch	30.19	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0110	LF	1" x 10-1/2" Custom Shaped Birch	32.87	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0111	LF	1" x 11-1/2" Custom Shaped Birch	35.48	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0112	LF	1-1/4" x 1-1/2" Custom Shaped Birch	11.20	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0113	LF	1-1/4" x 2-1/2" Custom Shaped Birch	14.46	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0114	LF	1-1/4" x 3-1/2" Custom Shaped Birch	17.72	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0115	LF	1-1/4" x 4-1/2" Custom Shaped Birch	20.98	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0116	LF	1-1/4" x 5-1/2" Custom Shaped Birch	24.39	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0117	LF	1-1/4" x 6-1/2" Custom Shaped Birch	27.80	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0118	LF	1-1/4" x 7-1/2" Custom Shaped Birch	31.05	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0119	LF	1-1/4" x 8-1/2" Custom Shaped Birch	34.35	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0120	LF	1-1/4" x 9-1/2" Custom Shaped Birch	37.54	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0121	LF	1-1/4" x 10-1/2" Custom Shaped Birch	40.98	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0122	LF	1-1/4" x 11-1/2" Custom Shaped Birch	44.30	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0123	LF	1-1/2" x 1-1/2" Custom Shaped Birch	13.62	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0124	LF	1-1/2" x 2-1/2" Custom Shaped Birch	18.03	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0125	LF	1-1/2" x 3-1/2" Custom Shaped Birch	22.44	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0126	LF	1-1/2" x 4-1/2" Custom Shaped Birch	26.85	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0127	LF	1-1/2" x 5-1/2" Custom Shaped Birch	31.27	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0128	LF	1-1/2" x 6-1/2" Custom Shaped Birch	35.97	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0129	LF	1-1/2" x 7-1/2" Custom Shaped Birch	40.36	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0130	LF	1-1/2" x 8-1/2" Custom Shaped Birch	44.81	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0131	LF	1-1/2" x 9-1/2" Custom Shaped Birch	49.15	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0132	LF	1-1/2" x 10-1/2" Custom Shaped Birch	54.27	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0133	LF	1-1/2" x 11-1/2" Custom Shaped Birch	58.20	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	

06 46 36 00-0134 Clear Western Cedar *(06 46 36)*

06 46 36 00-0135	LF	3/4" x 1-1/2" Custom Shaped Clear West Cedar	8.30	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0136	LF	3/4" x 2-1/2" Custom Shaped Clear West Cedar	10.26	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0137	LF	3/4" x 3-1/2" Custom Shaped Clear West Cedar	12.21	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0138	LF	3/4" x 4-1/2" Custom Shaped Clear West Cedar	14.16	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0139	LF	3/4" x 5-1/2" Custom Shaped Clear West Cedar	16.26	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0140	LF	3/4" x 6-1/2" Custom Shaped Clear West Cedar	18.37	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0141	LF	1" x 1-1/2" Custom Shaped Clear West Cedar	9.75	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0142	LF	1" x 2-1/2" Custom Shaped Clear West Cedar	12.35	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0143	LF	1" x 3-1/2" Custom Shaped Clear West Cedar	14.96	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0144	LF	1" x 4-1/2" Custom Shaped Clear West Cedar	17.57	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0145	LF	1" x 5-1/2" Custom Shaped Clear West Cedar	20.32	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0146	LF	1" x 6-1/2" Custom Shaped Clear West Cedar	23.08	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0147	LF	1-1/4" x 1-1/2" Custom Shaped Clear West Cedar	12.62	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0148	LF	1-1/4" x 2-1/2" Custom Shaped Clear West Cedar	16.59	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0149	LF	1-1/4" x 3-1/2" Custom Shaped Clear West Cedar	20.56	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0150	LF	1-1/4" x 4-1/2" Custom Shaped Clear West Cedar	24.53	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0151	LF	1-1/4" x 5-1/2" Custom Shaped Clear West Cedar	28.65	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0152	LF	1-1/4" x 6-1/2" Custom Shaped Clear West Cedar	32.77	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0153	LF	1-1/2" x 1-1/2" Custom Shaped Clear West Cedar	12.96	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0154	LF	1-1/2" x 2-1/2" Custom Shaped Clear West Cedar	17.05	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0155	LF	1-1/2" x 3-1/2" Custom Shaped Clear West Cedar	21.13	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0156	LF	1-1/2" x 4-1/2" Custom Shaped Clear West Cedar	25.21	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0157	LF	1-1/2" x 5-1/2" Custom Shaped Clear West Cedar	29.30	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0158	LF	1-1/2" x 6-1/2" Custom Shaped Clear West Cedar	33.67	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0159	LF	3-1/2" x 3-1/2" Custom Shaped Clear West Cedar	40.69	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0160	LF	3-1/2" x 4-1/2" Custom Shaped Clear West Cedar	49.69	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0161	LF	3-1/2" x 5-1/2" Custom Shaped Clear West Cedar	58.57	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0162	LF	3-1/2" x 6-1/2" Custom Shaped Clear West Cedar	67.70	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0163	LF	3-1/2" x 7-1/2" Custom Shaped Clear West Cedar	76.57	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0164	LF	3-1/2" x 8-1/2" Custom Shaped Clear West Cedar	85.58	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0165	LF	3-1/2" x 9-1/2" Custom Shaped Clear West Cedar	94.45	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0166	LF	3-1/2" x 10-1/2" Custom Shaped Clear West Cedar	103.31	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0167	LF	3-1/2" x 11-1/2" Custom Shaped Clear West Cedar	112.46	2.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	
06 46 36 00-0168		Cherry *(06 46 36)*		
06 46 36 00-0169	LF	3/4" x 1-1/2" Custom Shaped Cherry	10.05	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0170	LF	3/4" x 2-1/2" Custom Shaped Cherry	12.88	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0171	LF	3/4" x 3-1/2" Custom Shaped Cherry	15.70	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0172	LF	3/4" x 4-1/2" Custom Shaped Cherry	18.53	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0173	LF	3/4" x 5-1/2" Custom Shaped Cherry	21.51	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0174	LF	3/4" x 6-1/2" Custom Shaped Cherry	24.48	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0175	LF	3/4" x 7-1/2" Custom Shaped Cherry	27.29	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0176	LF	3/4" x 8-1/2" Custom Shaped Cherry	30.14	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0177	LF	3/4" x 9-1/2" Custom Shaped Cherry	32.90	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0178	LF	3/4" x 10-1/2" Custom Shaped Cherry	35.91	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0179	LF	3/4" x 11-1/2" Custom Shaped Cherry	38.79	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0180	LF	1" x 1-1/2" Custom Shaped Cherry	11.93	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0181	LF	1" x 2-1/2" Custom Shaped Cherry	15.63	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0182	LF	1" x 3-1/2" Custom Shaped Cherry	19.33	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0183	LF	1" x 4-1/2" Custom Shaped Cherry	23.03	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0184	LF	1" x 5-1/2" Custom Shaped Cherry	26.88	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0185	LF	1" x 6-1/2" Custom Shaped Cherry	30.73	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0186	LF	1" x 7-1/2" Custom Shaped Cherry	34.41	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0187	LF	1" x 8-1/2" Custom Shaped Cherry	38.19	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0188	LF	1" x 9-1/2" Custom Shaped Cherry	41.77	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0189	LF	1" x 10-1/2" Custom Shaped Cherry	45.65	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0190	LF	1" x 11-1/2" Custom Shaped Cherry	49.41	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0191	LF	1-1/4" x 1-1/2" Custom Shaped Cherry	13.98	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0192	LF	1-1/4" x 2-1/2" Custom Shaped Cherry	18.66	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0193	LF	1-1/4" x 3-1/2" Custom Shaped Cherry	23.29	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0194	LF	1-1/4" x 4-1/2" Custom Shaped Cherry	27.97	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0195	LF	1-1/4" x 5-1/2" Custom Shaped Cherry	32.74	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0196	LF	1-1/4" x 6-1/2" Custom Shaped Cherry	37.57	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0197	LF	1-1/4" x 7-1/2" Custom Shaped Cherry	42.19	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0198	LF	1-1/4" x 8-1/2" Custom Shaped Cherry	46.91	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0199	LF	1-1/4" x 9-1/2" Custom Shaped Cherry	51.46	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0200	LF	1-1/4" x 10-1/2" Custom Shaped Cherry	56.33	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0201	LF	1-1/4" x 11-1/2" Custom Shaped Cherry	61.01	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0202	LF	1-1/2" x 1-1/2" Custom Shaped Cherry	17.77	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0203	LF	1-1/2" x 2-1/2" Custom Shaped Cherry	24.25	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0204	LF	1-1/2" x 3-1/2" Custom Shaped Cherry	30.74	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0205	LF	1-1/2" x 4-1/2" Custom Shaped Cherry	37.22	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0206	LF	1-1/2" x 5-1/2" Custom Shaped Cherry	43.72	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0207	LF	1-1/2" x 6-1/2" Custom Shaped Cherry	50.49	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0208	LF	1-1/2" x 7-1/2" Custom Shaped Cherry	56.96	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0209	LF	1-1/2" x 8-1/2" Custom Shaped Cherry	63.48	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0210	LF	1-1/2" x 9-1/2" Custom Shaped Cherry	69.90	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0211	LF	1-1/2" x 10-1/2" Custom Shaped Cherry	76.66	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0212	LF	1-1/2" x 11-1/2" Custom Shaped Cherry	83.10	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	

06 46 36 00-0213 Cypress *(06 46 36)*

06 46 36 00-0214	LF	3/4" x 1-1/2" Custom Shaped Cypress	7.76	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0215	LF	3/4" x 2-1/2" Custom Shaped Cypress	9.44	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0216	LF	3/4" x 3-1/2" Custom Shaped Cypress	11.12	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0217	LF	3/4" x 4-1/2" Custom Shaped Cypress	12.80	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0218	LF	3/4" x 5-1/2" Custom Shaped Cypress	14.62	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0219	LF	3/4" x 6-1/2" Custom Shaped Cypress	16.45	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0220	LF	3/4" x 7-1/2" Custom Shaped Cypress	18.55	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0221	LF	3/4" x 8-1/2" Custom Shaped Cypress	20.31	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0222	LF	3/4" x 9-1/2" Custom Shaped Cypress	23.62	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0223	LF	3/4" x 10-1/2" Custom Shaped Cypress	25.69	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0224	LF	1" x 1-1/2" Custom Shaped Cypress	10.18	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0225	LF	1" x 2-1/2" Custom Shaped Cypress	12.95	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0226	LF	1" x 3-1/2" Custom Shaped Cypress	15.78	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0227	LF	1" x 4-1/2" Custom Shaped Cypress	18.60	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0228	LF	1" x 5-1/2" Custom Shaped Cypress	21.58	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0229	LF	1" x 6-1/2" Custom Shaped Cypress	24.50	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0230	LF	1" x 7-1/2" Custom Shaped Cypress	27.31	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0231	LF	1" x 8-1/2" Custom Shaped Cypress	30.16	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0232	LF	1" x 9-1/2" Custom Shaped Cypress	32.92	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0233	LF	1" x 10-1/2" Custom Shaped Cypress	35.98	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0234	LF	1" x 11-1/2" Custom Shaped Cypress	38.76	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0235	LF	1-1/2" x 1-1/2" Custom Shaped Cypress	11.87	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0236	LF	1-1/2" x 2-1/2" Custom Shaped Cypress	15.41	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0237	LF	1-1/2" x 3-1/2" Custom Shaped Cypress	18.94	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0238	LF	1-1/2" x 4-1/2" Custom Shaped Cypress	22.48	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0239	LF	1-1/2" x 5-1/2" Custom Shaped Cypress	26.03	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0240	LF	1-1/2" x 6-1/2" Custom Shaped Cypress	29.85	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0241	LF	1-1/2" x 7-1/2" Custom Shaped Cypress	33.37	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0242	LF	1-1/2" x 8-1/2" Custom Shaped Cypress	36.94	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0243	LF	1-1/2" x 9-1/2" Custom Shaped Cypress	43.69	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0244	LF	1-1/2" x 10-1/2" Custom Shaped Cypress	47.61	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0245		**Fir** *(06 46 36)*		
06 46 36 00-0246	LF	3/4" x 1-1/2" Custom Shaped Fir	8.63	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0247	LF	3/4" x 2-1/2" Custom Shaped Fir	10.75	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0248	LF	3/4" x 3-1/2" Custom Shaped Fir	12.86	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0249	LF	3/4" x 4-1/2" Custom Shaped Fir	14.98	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0250	LF	3/4" x 5-1/2" Custom Shaped Fir	17.25	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0251	LF	3/4" x 6-1/2" Custom Shaped Fir	19.51	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0252	LF	3/4" x 7-1/2" Custom Shaped Fir	21.61	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0253	LF	3/4" x 8-1/2" Custom Shaped Fir	23.75	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0254	LF	3/4" x 9-1/2" Custom Shaped Fir	25.80	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0255	LF	3/4" x 10-1/2" Custom Shaped Fir	28.10	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0256	LF	1" x 1-1/2" Custom Shaped Fir	10.18	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0257	LF	1" x 2-1/2" Custom Shaped Fir	12.95	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0258	LF	1" x 3-1/2" Custom Shaped Fir	15.78	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0259	LF	1" x 4-1/2" Custom Shaped Fir	18.60	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0260	LF	1" x 5-1/2" Custom Shaped Fir	21.58	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0261	LF	1" x 6-1/2" Custom Shaped Fir	24.50	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0262	LF	1" x 7-1/2" Custom Shaped Fir	27.31	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0263	LF	1" x 8-1/2" Custom Shaped Fir	30.16	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0264	LF	1" x 9-1/2" Custom Shaped Fir	32.92	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0265	LF	1" x 10-1/2" Custom Shaped Fir	35.98	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0266	LF	1" x 11-1/2" Custom Shaped Fir	38.76	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0267	LF	1-1/4" x 1-1/2" Custom Shaped Fir	11.36	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0268	LF	1-1/4" x 2-1/2" Custom Shaped Fir	14.73	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0269	LF	1-1/4" x 3-1/2" Custom Shaped Fir	18.05	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0270	LF	1-1/4" x 4-1/2" Custom Shaped Fir	21.42	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0271	LF	1-1/4" x 5-1/2" Custom Shaped Fir	24.88	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0272	LF	1-1/4" x 6-1/2" Custom Shaped Fir	28.40	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0273	LF	1-1/4" x 7-1/2" Custom Shaped Fir	31.71	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0274	LF	1-1/4" x 8-1/2" Custom Shaped Fir	35.11	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0275	LF	1-1/4" x 9-1/2" Custom Shaped Fir	38.36	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0276	LF	1-1/4" x 10-1/2" Custom Shaped Fir	41.91	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0277	LF	1-1/4" x 11-1/2" Custom Shaped Fir	45.29	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0278	LF	1-1/2" x 1-1/2" Custom Shaped Fir	12.96	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0279	LF	1-1/2" x 2-1/2" Custom Shaped Fir	17.05	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0280	LF	1-1/2" x 3-1/2" Custom Shaped Fir	21.13	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0281	LF	1-1/2" x 4-1/2" Custom Shaped Fir	25.21	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0282	LF	1-1/2" x 5-1/2" Custom Shaped Fir	29.30	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0283	LF	1-1/2" x 6-1/2" Custom Shaped Fir	33.67	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0284	LF	1-1/2" x 7-1/2" Custom Shaped Fir	37.74	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0285	LF	1-1/2" x 8-1/2" Custom Shaped Fir	41.86	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0286	LF	1-1/2" x 9-1/2" Custom Shaped Fir	45.87	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0287	LF	1-1/2" x 10-1/2" Custom Shaped Fir	50.12	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0288	LF	1-1/2" x 11-1/2" Custom Shaped Fir	54.26	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0289	LF	2-1/2" x 1-1/2" Custom Shaped Fir	21.07	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0290	LF	2-1/2" x 2-1/2" Custom Shaped Fir	29.07	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0291	LF	2-1/2" x 3-1/2" Custom Shaped Fir	37.07	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0292	LF	2-1/2" x 4-1/2" Custom Shaped Fir	45.18	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0293	LF	2-1/2" x 5-1/2" Custom Shaped Fir	53.19	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0294	LF	2-1/2" x 6-1/2" Custom Shaped Fir	61.45	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0295	LF	2-1/2" x 7-1/2" Custom Shaped Fir	69.45	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0296	LF	2-1/2" x 8-1/2" Custom Shaped Fir	77.68	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0297	LF	2-1/2" x 9-1/2" Custom Shaped Fir	85.57	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0298	LF	2-1/2" x 10-1/2" Custom Shaped Fir	93.57	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0299	LF	3-1/2" x 3-1/2" Custom Shaped Fir	46.04	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0300	LF	3-1/2" x 4-1/2" Custom Shaped Fir	56.24	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0301	LF	3-1/2" x 5-1/2" Custom Shaped Fir	66.43	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0302	LF	3-1/2" x 6-1/2" Custom Shaped Fir	76.88	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0303	LF	3-1/2" x 7-1/2" Custom Shaped Fir	87.06	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0304	LF	3-1/2" x 8-1/2" Custom Shaped Fir	97.38	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0305	LF	3-1/2" x 9-1/2" Custom Shaped Fir	107.55	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0306	LF	3-1/2" x 10-1/2" Custom Shaped Fir	117.73	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	

06 46 36 00-0307 Honduran Mahogany *(06 46 36)*

06 46 36 00-0308	LF	3/4" x 1-1/2" Custom Shaped Honduras Mahogany	10.71	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.08*	
06 46 36 00-0309	LF	3/4" x 2-1/2" Custom Shaped Honduras Mahogany	13.86	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.12*	
06 46 36 00-0310	LF	3/4" x 3-1/2" Custom Shaped Honduras Mahogany	17.01	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0311	LF	3/4" x 4-1/2" Custom Shaped Honduras Mahogany	20.17	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0312	LF	3/4" x 5-1/2" Custom Shaped Honduras Mahogany	23.47	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0313	LF	3/4" x 6-1/2" Custom Shaped Honduras Mahogany	26.78	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0314	LF	3/4" x 7-1/2" Custom Shaped Honduras Mahogany	29.91	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0315	LF	3/4" x 8-1/2" Custom Shaped Honduras Mahogany	33.09	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.39*	
06 46 36 00-0316	LF	3/4" x 9-1/2" Custom Shaped Honduras Mahogany	36.18	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0317	LF	3/4" x 10-1/2" Custom Shaped Honduras Mahogany	39.51	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0318	LF	3/4" x 11-1/2" Custom Shaped Honduras Mahogany	42.72	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.54*	
06 46 36 00-0319	LF	1" x 1-1/2" Custom Shaped Honduras Mahogany	12.91	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.11*	
06 46 36 00-0320	LF	1" x 2-1/2" Custom Shaped Honduras Mahogany	17.05	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.15*	
06 46 36 00-0321	LF	1" x 3-1/2" Custom Shaped Honduras Mahogany	21.24	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0322	LF	1" x 4-1/2" Custom Shaped Honduras Mahogany	25.43	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0323	LF	1" x 5-1/2" Custom Shaped Honduras Mahogany	29.77	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0324	LF	1" x 6-1/2" Custom Shaped Honduras Mahogany	34.06	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0325	LF	1" x 7-1/2" Custom Shaped Honduras Mahogany	38.23	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0326	LF	1" x 8-1/2" Custom Shaped Honduras Mahogany	42.45	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.42*	
06 46 36 00-0327	LF	1" x 9-1/2" Custom Shaped Honduras Mahogany	46.57	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0328	LF	1" x 10-1/2" Custom Shaped Honduras Mahogany	50.89	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.52*	
06 46 36 00-0329	LF	1" x 11-1/2" Custom Shaped Honduras Mahogany	55.69	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.57*	
06 46 36 00-0330	LF	1-1/4" x 1-1/2" Custom Shaped Honduras Mahogany	14.64	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.14*	
06 46 36 00-0331	LF	1-1/4" x 2-1/2" Custom Shaped Honduras Mahogany	19.65	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.18*	
06 46 36 00-0332	LF	1-1/4" x 3-1/2" Custom Shaped Honduras Mahogany	24.60	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0333	LF	1-1/4" x 4-1/2" Custom Shaped Honduras Mahogany	29.61	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.25*	
06 46 36 00-0334	LF	1-1/4" x 5-1/2" Custom Shaped Honduras Mahogany	34.71	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0335	LF	1-1/4" x 6-1/2" Custom Shaped Honduras Mahogany	39.87	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0336	LF	1-1/4" x 7-1/2" Custom Shaped Honduras Mahogany	44.81	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0337	LF	1-1/4" x 8-1/2" Custom Shaped Honduras Mahogany	49.85	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.46*	
06 46 36 00-0338	LF	1-1/4" x 9-1/2" Custom Shaped Honduras Mahogany	53.65	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0339	LF	1-1/4" x 10-1/2" Custom Shaped Honduras Mahogany	59.93	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.55*	
06 46 36 00-0340	LF	1-1/4" x 11-1/2" Custom Shaped Honduras Mahogany	64.95	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0341	LF	1-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	17.99	1.47
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.17*	
06 46 36 00-0342	LF	1-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	24.58	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.21*	
06 46 36 00-0343	LF	1-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	31.18	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.24*	
06 46 36 00-0344	LF	1-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	37.77	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.28*	
06 46 36 00-0345	LF	1-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	44.37	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.31*	
06 46 36 00-0346	LF	1-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	51.26	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0347	LF	1-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	57.83	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0348	LF	1-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	64.47	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.49*	
06 46 36 00-0349	LF	1-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	70.99	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.51*	
06 46 36 00-0350	LF	1-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	77.75	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.58*	
06 46 36 00-0351	LF	1-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	84.52	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0352	LF	2" x 1-1/2" Custom Shaped Honduras Mahogany	21.32	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.20*	
06 46 36 00-0353	LF	2" x 2-1/2" Custom Shaped Honduras Mahogany	29.53	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0354	LF	2" x 3-1/2" Custom Shaped Honduras Mahogany	37.70	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0355	LF	2" x 4-1/2" Custom Shaped Honduras Mahogany	46.03	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0356	LF	2" x 5-1/2" Custom Shaped Honduras Mahogany	54.20	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0357	LF	2" x 6-1/2" Custom Shaped Honduras Mahogany	62.68	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.44*	
06 46 36 00-0358	LF	2" x 7-1/2" Custom Shaped Honduras Mahogany	70.84	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0359	LF	2" x 8-1/2" Custom Shaped Honduras Mahogany	79.19	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0360	LF	2" x 9-1/2" Custom Shaped Honduras Mahogany	87.35	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0361	LF	2" x 10-1/2" Custom Shaped Honduras Mahogany	95.57	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0362	LF	2" x 11-1/2" Custom Shaped Honduras Mahogany	104.00	2.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.69*	
06 46 36 00-0363	LF	2-1/2" x 1-1/2" Custom Shaped Honduras Mahogany	26.09	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.23*	
06 46 36 00-0364	LF	2-1/2" x 2-1/2" Custom Shaped Honduras Mahogany	34.97	1.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.26*	
06 46 36 00-0365	LF	2-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	44.93	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.29*	
06 46 36 00-0366	LF	2-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	55.01	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.35*	
06 46 36 00-0367	LF	2-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	64.99	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0368	LF	2-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	75.21	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.47*	
06 46 36 00-0369	LF	2-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	85.18	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0370	LF	2-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	95.27	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.56*	
06 46 36 00-0371	LF	2-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	105.23	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.59*	
06 46 36 00-0372	LF	2-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	115.20	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0373	LF	2-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	125.44	2.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.72*	
06 46 36 00-0374	LF	3-1/2" x 3-1/2" Custom Shaped Honduras Mahogany	60.79	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.32*	
06 46 36 00-0375	LF	3-1/2" x 4-1/2" Custom Shaped Honduras Mahogany	74.81	1.73
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.38*	
06 46 36 00-0376	LF	3-1/2" x 5-1/2" Custom Shaped Honduras Mahogany	88.71	1.87
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.41*	
06 46 36 00-0377	LF	3-1/2" x 6-1/2" Custom Shaped Honduras Mahogany	102.87	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.50*	
06 46 36 00-0378	LF	3-1/2" x 7-1/2" Custom Shaped Honduras Mahogany	116.77	2.00
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.53*	
06 46 36 00-0379	LF	3-1/2" x 8-1/2" Custom Shaped Honduras Mahogany	130.80	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.60*	
06 46 36 00-0380	LF	3-1/2" x 9-1/2" Custom Shaped Honduras Mahogany	144.69	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.63*	
06 46 36 00-0381	LF	3-1/2" x 10-1/2" Custom Shaped Honduras Mahogany	158.58	2.13
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.66*	
06 46 36 00-0382	LF	3-1/2" x 11-1/2" Custom Shaped Honduras Mahogany	172.75	2.27
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*1.75*	

06 46 36 00-0383 Maple *(06 46 36)*

06 46 36 00-0384	LF	3/4" x 1-1/2" Custom Shaped Maple	8.20	1.47
06 46 36 00-0385	LF	3/4" x 2-1/2" Custom Shaped Maple	10.09	1.47
06 46 36 00-0386	LF	3/4" x 3-1/2" Custom Shaped Maple	11.99	1.47
06 46 36 00-0387	LF	3/4" x 4-1/2" Custom Shaped Maple	13.89	1.60
06 46 36 00-0388	LF	3/4" x 5-1/2" Custom Shaped Maple	15.94	1.60
06 46 36 00-0389	LF	3/4" x 6-1/2" Custom Shaped Maple	17.98	1.73
06 46 36 00-0390	LF	3/4" x 7-1/2" Custom Shaped Maple	19.86	1.73
06 46 36 00-0391	LF	3/4" x 8-1/2" Custom Shaped Maple	21.79	1.73
06 46 36 00-0392	LF	3/4" x 9-1/2" Custom Shaped Maple	23.62	1.87
06 46 36 00-0393	LF	3/4" x 10-1/2" Custom Shaped Maple	25.69	2.00
06 46 36 00-0394	LF	3/4" x 11-1/2" Custom Shaped Maple	27.65	2.00
06 46 36 00-0395	LF	1" x 1-1/2" Custom Shaped Maple	9.64	1.47
06 46 36 00-0396	LF	1" x 2-1/2" Custom Shaped Maple	12.13	1.47
06 46 36 00-0397	LF	1" x 3-1/2" Custom Shaped Maple	14.69	1.60
06 46 36 00-0398	LF	1" x 4-1/2" Custom Shaped Maple	17.24	1.60
06 46 36 00-0399	LF	1" x 5-1/2" Custom Shaped Maple	19.94	1.73
06 46 36 00-0400	LF	1" x 6-1/2" Custom Shaped Maple	22.59	1.73
06 46 36 00-0401	LF	1" x 7-1/2" Custom Shaped Maple	25.12	1.73
06 46 36 00-0402	LF	1" x 8-1/2" Custom Shaped Maple	27.71	1.87
06 46 36 00-0403	LF	1" x 9-1/2" Custom Shaped Maple	30.19	1.87
06 46 36 00-0404	LF	1" x 10-1/2" Custom Shaped Maple	31.78	2.00
06 46 36 00-0405	LF	1" x 11-1/2" Custom Shaped Maple	35.48	2.00
06 46 36 00-0406	LF	1-1/4" x 1-1/2" Custom Shaped Maple	10.87	1.47
06 46 36 00-0407	LF	1-1/4" x 2-1/2" Custom Shaped Maple	13.97	1.47
06 46 36 00-0408	LF	1-1/4" x 3-1/2" Custom Shaped Maple	17.07	1.60
06 46 36 00-0409	LF	1-1/4" x 4-1/2" Custom Shaped Maple	20.16	1.60
06 46 36 00-0410	LF	1-1/4" x 5-1/2" Custom Shaped Maple	23.40	1.73
06 46 36 00-0411	LF	1-1/4" x 6-1/2" Custom Shaped Maple	26.65	1.73
06 46 36 00-0412	LF	1-1/4" x 7-1/2" Custom Shaped Maple	29.74	1.87
06 46 36 00-0413	LF	1-1/4" x 8-1/2" Custom Shaped Maple	32.87	1.87
06 46 36 00-0414	LF	1-1/4" x 9-1/2" Custom Shaped Maple	35.90	1.87
06 46 36 00-0415	LF	1-1/4" x 10-1/2" Custom Shaped Maple	39.18	2.00
06 46 36 00-0416	LF	1-1/4" x 11-1/2" Custom Shaped Maple	42.34	2.13
06 46 36 00-0417	LF	1-1/2" x 1-1/2" Custom Shaped Maple	13.40	1.47
06 46 36 00-0418	LF	1-1/2" x 2-1/2" Custom Shaped Maple	17.70	1.60
06 46 36 00-0419	LF	1-1/2" x 3-1/2" Custom Shaped Maple	22.00	1.60
06 46 36 00-0420	LF	1-1/2" x 4-1/2" Custom Shaped Maple	26.30	1.73
06 46 36 00-0421	LF	1-1/2" x 5-1/2" Custom Shaped Maple	30.61	1.73
06 46 36 00-0422	LF	1-1/2" x 6-1/2" Custom Shaped Maple	35.20	1.87
06 46 36 00-0423	LF	1-1/2" x 7-1/2" Custom Shaped Maple	39.48	1.87
06 46 36 00-0424	LF	1-1/2" x 8-1/2" Custom Shaped Maple	44.37	2.00
06 46 36 00-0425	LF	1-1/2" x 9-1/2" Custom Shaped Maple	48.05	2.00
06 46 36 00-0426	LF	1-1/2" x 10-1/2" Custom Shaped Maple	52.63	2.13
06 46 36 00-0427	LF	1-1/2" x 11-1/2" Custom Shaped Maple	56.88	2.13
06 46 36 00-0428	LF	2" x 1-1/2" Custom Shaped Maple	17.50	1.60
06 46 36 00-0429	LF	2" x 2-1/2" Custom Shaped Maple	23.80	1.60
06 46 36 00-0430	LF	2" x 3-1/2" Custom Shaped Maple	30.05	1.60
06 46 36 00-0431	LF	2" x 4-1/2" Custom Shaped Maple	36.48	1.73
06 46 36 00-0432	LF	2" x 5-1/2" Custom Shaped Maple	42.73	1.73
06 46 36 00-0433	LF	2" x 6-1/2" Custom Shaped Maple	49.30	1.87
06 46 36 00-0434	LF	2" x 7-1/2" Custom Shaped Maple	55.55	1.87
06 46 36 00-0435	LF	2" x 8-1/2" Custom Shaped Maple	61.99	2.00
06 46 36 00-0436	LF	2" x 9-1/2" Custom Shaped Maple	68.24	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0437	LF	2" x 10-1/2" Custom Shaped Maple	74.55	2.13
06 46 36 00-0438	LF	2" x 11-1/2" Custom Shaped Maple	81.61	2.27
06 46 36 00-0439	LF	3-1/2" x 3-1/2" Custom Shaped Maple	65.16	1.73
06 46 36 00-0440	LF	3-1/2" x 4-1/2" Custom Shaped Maple	80.27	1.73
06 46 36 00-0441	LF	3-1/2" x 5-1/2" Custom Shaped Maple	95.26	1.87
06 46 36 00-0442	LF	3-1/2" x 6-1/2" Custom Shaped Maple	110.52	2.00
06 46 36 00-0443	LF	3-1/2" x 7-1/2" Custom Shaped Maple	125.50	2.00
06 46 36 00-0444	LF	3-1/2" x 8-1/2" Custom Shaped Maple	140.63	2.13
06 46 36 00-0445	LF	3-1/2" x 9-1/2" Custom Shaped Maple	155.61	2.13
06 46 36 00-0446	LF	3-1/2" x 10-1/2" Custom Shaped Maple	170.59	2.13
06 46 36 00-0447	LF	3-1/2" x 11-1/2" Custom Shaped Maple	185.86	2.27
06 46 36 00-0448		**Appl Soft Maple** *(06 46 36)*		
06 46 36 00-0449	LF	3/4" x 1-1/2" Custom Shaped Appl Soft Maple	8.30	1.47
06 46 36 00-0450	LF	3/4" x 2-1/2" Custom Shaped Appl Soft Maple	10.26	1.47
06 46 36 00-0451	LF	3/4" x 3-1/2" Custom Shaped Appl Soft Maple	12.21	1.47
06 46 36 00-0452	LF	3/4" x 4-1/2" Custom Shaped Appl Soft Maple	14.16	1.60
06 46 36 00-0453	LF	3/4" x 5-1/2" Custom Shaped Appl Soft Maple	16.26	1.60
06 46 36 00-0454	LF	3/4" x 6-1/2" Custom Shaped Appl Soft Maple	18.37	1.73
06 46 36 00-0455	LF	3/4" x 7-1/2" Custom Shaped Appl Soft Maple	20.30	1.73
06 46 36 00-0456	LF	3/4" x 8-1/2" Custom Shaped Appl Soft Maple	22.28	1.73
06 46 36 00-0457	LF	3/4" x 9-1/2" Custom Shaped Appl Soft Maple	24.16	1.87
06 46 36 00-0458	LF	3/4" x 10-1/2" Custom Shaped Appl Soft Maple	26.29	2.00
06 46 36 00-0459	LF	3/4" x 11-1/2" Custom Shaped Appl Soft Maple	28.31	2.00
06 46 36 00-0460	LF	1" x 1-1/2" Custom Shaped Appl Soft Maple	9.36	1.47
06 46 36 00-0461	LF	1" x 2-1/2" Custom Shaped Appl Soft Maple	11.75	1.47
06 46 36 00-0462	LF	1" x 3-1/2" Custom Shaped Appl Soft Maple	14.14	1.60
06 46 36 00-0463	LF	1" x 4-1/2" Custom Shaped Appl Soft Maple	16.48	1.60
06 46 36 00-0464	LF	1" x 5-1/2" Custom Shaped Appl Soft Maple	19.12	1.73
06 46 36 00-0465	LF	1" x 6-1/2" Custom Shaped Appl Soft Maple	21.66	1.73
06 46 36 00-0466	LF	1" x 7-1/2" Custom Shaped Appl Soft Maple	24.03	1.73
06 46 36 00-0467	LF	1" x 8-1/2" Custom Shaped Appl Soft Maple	26.45	1.87
06 46 36 00-0468	LF	1" x 9-1/2" Custom Shaped Appl Soft Maple	28.82	1.87
06 46 36 00-0469	LF	1" x 10-1/2" Custom Shaped Appl Soft Maple	31.39	2.00
06 46 36 00-0470	LF	1" x 11-1/2" Custom Shaped Appl Soft Maple	33.84	2.00
06 46 36 00-0471	LF	1-1/4" x 1-1/2" Custom Shaped Appl Soft Maple	10.38	1.47
06 46 36 00-0472	LF	1-1/4" x 2-1/2" Custom Shaped Appl Soft Maple	13.26	1.47
06 46 36 00-0473	LF	1-1/4" x 3-1/2" Custom Shaped Appl Soft Maple	16.08	1.60
06 46 36 00-0474	LF	1-1/4" x 4-1/2" Custom Shaped Appl Soft Maple	18.96	1.60
06 46 36 00-0475	LF	1-1/4" x 5-1/2" Custom Shaped Appl Soft Maple	21.93	1.73
06 46 36 00-0476	LF	1-1/4" x 6-1/2" Custom Shaped Appl Soft Maple	24.96	1.73
06 46 36 00-0477	LF	1-1/4" x 7-1/2" Custom Shaped Appl Soft Maple	27.78	1.87
06 46 36 00-0478	LF	1-1/4" x 8-1/2" Custom Shaped Appl Soft Maple	30.69	1.87
06 46 36 00-0479	LF	1-1/4" x 9-1/2" Custom Shaped Appl Soft Maple	33.44	1.87
06 46 36 00-0480	LF	1-1/4" x 10-1/2" Custom Shaped Appl Soft Maple	36.50	2.00
06 46 36 00-0481	LF	1-1/4" x 11-1/2" Custom Shaped Appl Soft Maple	39.39	2.13
06 46 36 00-0482	LF	1-1/2" x 1-1/2" Custom Shaped Appl Soft Maple	12.31	1.47
06 46 36 00-0483	LF	1-1/2" x 2-1/2" Custom Shaped Appl Soft Maple	16.06	1.60
06 46 36 00-0484	LF	1-1/2" x 3-1/2" Custom Shaped Appl Soft Maple	19.82	1.60
06 46 36 00-0485	LF	1-1/2" x 4-1/2" Custom Shaped Appl Soft Maple	23.57	1.73
06 46 36 00-0486	LF	1-1/2" x 5-1/2" Custom Shaped Appl Soft Maple	27.34	1.73
06 46 36 00-0487	LF	1-1/2" x 6-1/2" Custom Shaped Appl Soft Maple	31.38	1.87
06 46 36 00-0488	LF	1-1/2" x 7-1/2" Custom Shaped Appl Soft Maple	35.11	1.87
06 46 36 00-0489	LF	1-1/2" x 8-1/2" Custom Shaped Appl Soft Maple	38.91	2.00
06 46 36 00-0490	LF	1-1/2" x 9-1/2" Custom Shaped Appl Soft Maple	42.59	2.00
06 46 36 00-0491	LF	1-1/2" x 10-1/2" Custom Shaped Appl Soft Maple	46.52	2.13
06 46 36 00-0492	LF	1-1/2" x 11-1/2" Custom Shaped Appl Soft Maple	50.33	2.13
06 46 36 00-0493		**Red Oak** *(06 46 36)*		
06 46 36 00-0494	LF	3/4" x 1-1/2" Custom Shaped Red Oak	8.85	1.47
06 46 36 00-0495	LF	3/4" x 2-1/2" Custom Shaped Red Oak	11.08	1.47
06 46 36 00-0496	LF	3/4" x 3-1/2" Custom Shaped Red Oak	13.30	1.47
06 46 36 00-0497	LF	3/4" x 4-1/2" Custom Shaped Red Oak	15.53	1.60
06 46 36 00-0498	LF	3/4" x 5-1/2" Custom Shaped Red Oak	17.90	1.60
06 46 36 00-0499	LF	3/4" x 6-1/2" Custom Shaped Red Oak	20.28	1.73
06 46 36 00-0500	LF	3/4" x 7-1/2" Custom Shaped Red Oak	22.48	1.73
06 46 36 00-0501	LF	3/4" x 8-1/2" Custom Shaped Red Oak	24.74	1.73
06 46 36 00-0502	LF	3/4" x 9-1/2" Custom Shaped Red Oak	26.89	1.87
06 46 36 00-0503	LF	3/4" x 10-1/2" Custom Shaped Red Oak	29.30	2.00
06 46 36 00-0504	LF	3/4" x 11-1/2" Custom Shaped Red Oak	31.58	2.00
06 46 36 00-0505	LF	1" x 1-1/2" Custom Shaped Red Oak	10.56	1.47
06 46 36 00-0506	LF	1" x 2-1/2" Custom Shaped Red Oak	13.61	1.47
06 46 36 00-0507	LF	1" x 3-1/2" Custom Shaped Red Oak	16.60	1.60
06 46 36 00-0508	LF	1" x 4-1/2" Custom Shaped Red Oak	20.73	1.60
06 46 36 00-0509	LF	1" x 5-1/2" Custom Shaped Red Oak	22.78	1.73
06 46 36 00-0510	LF	1" x 6-1/2" Custom Shaped Red Oak	25.98	1.73
06 46 36 00-0511	LF	1" x 7-1/2" Custom Shaped Red Oak	28.95	1.73
06 46 36 00-0512	LF	1" x 8-1/2" Custom Shaped Red Oak	31.97	1.87
06 46 36 00-0513	LF	1" x 9-1/2" Custom Shaped Red Oak	34.94	1.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0514	LF	1" x 10-1/2" Custom Shaped Red Oak	38.16	2.00
06 46 36 00-0515	LF	1" x 11-1/2" Custom Shaped Red Oak	41.21	2.00
06 46 36 00-0516	LF	1-1/4" x 1-1/2" Custom Shaped Red Oak	13.00	1.47
06 46 36 00-0517	LF	1-1/4" x 2-1/2" Custom Shaped Red Oak	17.19	1.47
06 46 36 00-0518	LF	1-1/4" x 3-1/2" Custom Shaped Red Oak	21.33	1.60
06 46 36 00-0519	LF	1-1/4" x 4-1/2" Custom Shaped Red Oak	25.52	1.60
06 46 36 00-0520	LF	1-1/4" x 5-1/2" Custom Shaped Red Oak	29.79	1.73
06 46 36 00-0521	LF	1-1/4" x 6-1/2" Custom Shaped Red Oak	34.13	1.73
06 46 36 00-0522	LF	1-1/4" x 7-1/2" Custom Shaped Red Oak	38.26	1.87
06 46 36 00-0523	LF	1-1/4" x 8-1/2" Custom Shaped Red Oak	42.48	1.87
06 46 36 00-0524	LF	1-1/4" x 9-1/2" Custom Shaped Red Oak	46.55	1.87
06 46 36 00-0525	LF	1-1/4" x 10-1/2" Custom Shaped Red Oak	50.92	2.00
06 46 36 00-0526	LF	1-1/4" x 11-1/2" Custom Shaped Red Oak	55.12	2.13
06 46 36 00-0527	LF	1-1/2" x 1-1/2" Custom Shaped Red Oak	17.99	1.47
06 46 36 00-0528	LF	1-1/2" x 2-1/2" Custom Shaped Red Oak	24.58	1.60
06 46 36 00-0529	LF	1-1/2" x 3-1/2" Custom Shaped Red Oak	31.18	1.60
06 46 36 00-0530	LF	1-1/2" x 4-1/2" Custom Shaped Red Oak	37.77	1.60
06 46 36 00-0531	LF	1-1/2" x 5-1/2" Custom Shaped Red Oak	44.37	1.73
06 46 36 00-0532	LF	1-1/2" x 6-1/2" Custom Shaped Red Oak	51.37	1.87
06 46 36 00-0533	LF	1-1/2" x 7-1/2" Custom Shaped Red Oak	57.83	1.87
06 46 36 00-0534	LF	1-1/2" x 8-1/2" Custom Shaped Red Oak	65.56	2.00
06 46 36 00-0535	LF	1-1/2" x 9-1/2" Custom Shaped Red Oak	70.99	2.00
06 46 36 00-0536	LF	1-1/2" x 10-1/2" Custom Shaped Red Oak	77.75	2.00
06 46 36 00-0537	LF	1-1/2" x 11-1/2" Custom Shaped Red Oak	84.41	2.13
06 46 36 00-0538	LF	2" x 1-1/2" Custom Shaped Red Oak	27.33	1.60
06 46 36 00-0539	LF	2" x 2-1/2" Custom Shaped Red Oak	38.54	1.60
06 46 36 00-0540	LF	2" x 3-1/2" Custom Shaped Red Oak	49.71	1.60
06 46 36 00-0541	LF	2" x 4-1/2" Custom Shaped Red Oak	61.05	1.73
06 46 36 00-0542	LF	2" x 5-1/2" Custom Shaped Red Oak	72.22	1.73
06 46 36 00-0543	LF	2" x 6-1/2" Custom Shaped Red Oak	83.71	1.87
06 46 36 00-0544	LF	2" x 7-1/2" Custom Shaped Red Oak	94.87	1.87
06 46 36 00-0545	LF	2" x 8-1/2" Custom Shaped Red Oak	106.23	2.00
06 46 36 00-0546	LF	2" x 9-1/2" Custom Shaped Red Oak	117.39	2.00
06 46 36 00-0547	LF	2" x 10-1/2" Custom Shaped Red Oak	128.61	2.13
06 46 36 00-0548	LF	2" x 11-1/2" Custom Shaped Red Oak	140.04	2.27
06 46 36 00-0549		**White Oak** *(06 46 36)*		
06 46 36 00-0550	LF	3/4" x 1-1/2" Custom Shaped White Oak	8.96	1.47
06 46 36 00-0551	LF	3/4" x 2-1/2" Custom Shaped White Oak	11.24	1.47
06 46 36 00-0552	LF	3/4" x 3-1/2" Custom Shaped White Oak	13.52	1.47
06 46 36 00-0553	LF	3/4" x 4-1/2" Custom Shaped White Oak	15.80	1.60
06 46 36 00-0554	LF	3/4" x 5-1/2" Custom Shaped White Oak	18.23	1.60
06 46 36 00-0555	LF	3/4" x 6-1/2" Custom Shaped White Oak	20.66	1.73
06 46 36 00-0556	LF	3/4" x 7-1/2" Custom Shaped White Oak	22.92	1.73
06 46 36 00-0557	LF	3/4" x 8-1/2" Custom Shaped White Oak	25.23	1.73
06 46 36 00-0558	LF	3/4" x 9-1/2" Custom Shaped White Oak	27.44	1.87
06 46 36 00-0559	LF	3/4" x 10-1/2" Custom Shaped White Oak	29.90	2.00
06 46 36 00-0560	LF	3/4" x 11-1/2" Custom Shaped White Oak	32.24	2.00
06 46 36 00-0561	LF	1" x 1-1/2" Custom Shaped White Oak	10.56	1.47
06 46 36 00-0562	LF	1" x 2-1/2" Custom Shaped White Oak	13.61	1.47
06 46 36 00-0563	LF	1" x 3-1/2" Custom Shaped White Oak	16.60	1.60
06 46 36 00-0564	LF	1" x 4-1/2" Custom Shaped White Oak	20.73	1.60
06 46 36 00-0565	LF	1" x 5-1/2" Custom Shaped White Oak	22.78	1.73
06 46 36 00-0566	LF	1" x 6-1/2" Custom Shaped White Oak	25.98	1.73
06 46 36 00-0567	LF	1" x 7-1/2" Custom Shaped White Oak	28.95	1.73
06 46 36 00-0568	LF	1" x 8-1/2" Custom Shaped White Oak	31.97	1.87
06 46 36 00-0569	LF	1" x 9-1/2" Custom Shaped White Oak	34.94	1.87
06 46 36 00-0570	LF	1" x 10-1/2" Custom Shaped White Oak	38.16	2.00
06 46 36 00-0571	LF	1" x 11-1/2" Custom Shaped White Oak	41.21	2.00
06 46 36 00-0572	LF	1-1/4" x 1-1/2" Custom Shaped White Oak	13.16	1.47
06 46 36 00-0573	LF	1-1/4" x 2-1/2" Custom Shaped White Oak	17.41	1.47
06 46 36 00-0574	LF	1-1/4" x 3-1/2" Custom Shaped White Oak	21.65	1.60
06 46 36 00-0575	LF	1-1/4" x 4-1/2" Custom Shaped White Oak	25.90	1.60
06 46 36 00-0576	LF	1-1/4" x 5-1/2" Custom Shaped White Oak	30.28	1.73
06 46 36 00-0577	LF	1-1/4" x 6-1/2" Custom Shaped White Oak	34.68	1.73
06 46 36 00-0578	LF	1-1/4" x 7-1/2" Custom Shaped White Oak	38.92	1.87
06 46 36 00-0579	LF	1-1/4" x 8-1/2" Custom Shaped White Oak	43.19	1.87
06 46 36 00-0580	LF	1-1/4" x 9-1/2" Custom Shaped White Oak	47.37	1.87
06 46 36 00-0581	LF	1-1/4" x 10-1/2" Custom Shaped White Oak	51.79	2.00
06 46 36 00-0582	LF	1-1/4" x 11-1/2" Custom Shaped White Oak	56.10	2.13
06 46 36 00-0583	LF	1-1/2" x 1-1/2" Custom Shaped White Oak	21.26	1.47
06 46 36 00-0584	LF	1-1/2" x 2-1/2" Custom Shaped White Oak	29.50	1.60
06 46 36 00-0585	LF	1-1/2" x 3-1/2" Custom Shaped White Oak	37.73	1.60
06 46 36 00-0586	LF	1-1/2" x 4-1/2" Custom Shaped White Oak	45.96	1.73
06 46 36 00-0587	LF	1-1/2" x 5-1/2" Custom Shaped White Oak	54.20	1.73
06 46 36 00-0588	LF	1-1/2" x 6-1/2" Custom Shaped White Oak	62.73	1.87
06 46 36 00-0589	LF	1-1/2" x 7-1/2" Custom Shaped White Oak	70.94	1.87
06 46 36 00-0590	LF	1-1/2" x 8-1/2" Custom Shaped White Oak	79.21	2.00
06 46 36 00-0591	LF	1-1/2" x 9-1/2" Custom Shaped White Oak	86.28	2.00
06 46 36 00-0592	LF	1-1/2" x 10-1/2" Custom Shaped White Oak	95.78	2.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0593	LF	1-1/2" x 11-1/2" Custom Shaped White Oak	104.07	2.13
06 46 36 00-0594		**White Pine** *(06 46 36)*		
06 46 36 00-0595	LF	3/4" x 1-1/2" Custom Shaped White Pine	9.94	1.47
06 46 36 00-0596	LF	3/4" x 2-1/2" Custom Shaped White Pine	12.71	1.47
06 46 36 00-0597	LF	3/4" x 3-1/2" Custom Shaped White Pine	15.49	1.47
06 46 36 00-0598	LF	3/4" x 4-1/2" Custom Shaped White Pine	18.26	1.60
06 46 36 00-0599	LF	3/4" x 5-1/2" Custom Shaped White Pine	21.18	1.60
06 46 36 00-0600	LF	3/4" x 6-1/2" Custom Shaped White Pine	24.10	1.73
06 46 36 00-0601	LF	3/4" x 7-1/2" Custom Shaped White Pine	26.85	1.73
06 46 36 00-0602	LF	3/4" x 8-1/2" Custom Shaped White Pine	29.65	1.73
06 46 36 00-0603	LF	3/4" x 9-1/2" Custom Shaped White Pine	33.99	1.87
06 46 36 00-0604	LF	3/4" x 10-1/2" Custom Shaped White Pine	37.11	2.00
06 46 36 00-0605	LF	1" x 1-1/2" Custom Shaped White Pine	11.11	1.47
06 46 36 00-0606	LF	1" x 2-1/2" Custom Shaped White Pine	14.43	1.47
06 46 36 00-0607	LF	1" x 3-1/2" Custom Shaped White Pine	17.69	1.60
06 46 36 00-0608	LF	1" x 4-1/2" Custom Shaped White Pine	21.01	1.60
06 46 36 00-0609	LF	1" x 5-1/2" Custom Shaped White Pine	24.42	1.73
06 46 36 00-0610	LF	1" x 6-1/2" Custom Shaped White Pine	27.89	1.73
06 46 36 00-0611	LF	1" x 7-1/2" Custom Shaped White Pine	31.13	1.73
06 46 36 00-0612	LF	1" x 8-1/2" Custom Shaped White Pine	34.48	1.87
06 46 36 00-0613	LF	1" x 9-1/2" Custom Shaped White Pine	37.67	1.87
06 46 36 00-0614	LF	1" x 10-1/2" Custom Shaped White Pine	41.17	2.00
06 46 36 00-0615	LF	1" x 11-1/2" Custom Shaped White Pine	44.49	2.00
06 46 36 00-0616	LF	1-1/4" x 1-1/2" Custom Shaped White Pine	12.51	1.47
06 46 36 00-0617	LF	1-1/4" x 2-1/2" Custom Shaped White Pine	16.42	1.47
06 46 36 00-0618	LF	1-1/4" x 3-1/2" Custom Shaped White Pine	20.45	1.60
06 46 36 00-0619	LF	1-1/4" x 4-1/2" Custom Shaped White Pine	24.26	1.60
06 46 36 00-0620	LF	1-1/4" x 5-1/2" Custom Shaped White Pine	28.32	1.73
06 46 36 00-0621	LF	1-1/4" x 6-1/2" Custom Shaped White Pine	32.39	1.73
06 46 36 00-0622	LF	1-1/4" x 7-1/2" Custom Shaped White Pine	36.30	1.87
06 46 36 00-0623	LF	1-1/4" x 8-1/2" Custom Shaped White Pine	40.24	1.87
06 46 36 00-0624	LF	1-1/4" x 9-1/2" Custom Shaped White Pine	44.09	1.87
06 46 36 00-0625	LF	1-1/4" x 10-1/2" Custom Shaped White Pine	48.19	2.00
06 46 36 00-0626	LF	1-1/4" x 11-1/2" Custom Shaped White Pine	52.17	2.13
06 46 36 00-0627	LF	1-1/2" x 1-1/2" Custom Shaped White Pine	15.59	1.47
06 46 36 00-0628	LF	1-1/2" x 2-1/2" Custom Shaped White Pine	20.98	1.60
06 46 36 00-0629	LF	1-1/2" x 3-1/2" Custom Shaped White Pine	26.37	1.60
06 46 36 00-0630	LF	1-1/2" x 4-1/2" Custom Shaped White Pine	31.76	1.73
06 46 36 00-0631	LF	1-1/2" x 5-1/2" Custom Shaped White Pine	37.17	1.73
06 46 36 00-0632	LF	1-1/2" x 6-1/2" Custom Shaped White Pine	42.85	1.87
06 46 36 00-0633	LF	1-1/2" x 7-1/2" Custom Shaped White Pine	48.22	1.87
06 46 36 00-0634	LF	1-1/2" x 8-1/2" Custom Shaped White Pine	53.65	2.00
06 46 36 00-0635	LF	1-1/2" x 9-1/2" Custom Shaped White Pine	60.07	2.00
06 46 36 00-0636	LF	1-1/2" x 10-1/2" Custom Shaped White Pine	64.54	2.13
06 46 36 00-0637	LF	1-1/2" x 11-1/2" Custom Shaped White Pine	69.99	2.13
06 46 36 00-0638	LF	2" x 1-1/2" Custom Shaped White Pine	23.78	1.60
06 46 36 00-0639	LF	2" x 2-1/2" Custom Shaped White Pine	33.19	1.60
06 46 36 00-0640	LF	2" x 3-1/2" Custom Shaped White Pine	42.62	1.60
06 46 36 00-0641	LF	2" x 4-1/2" Custom Shaped White Pine	52.15	1.73
06 46 36 00-0642	LF	2" x 5-1/2" Custom Shaped White Pine	61.57	1.73
06 46 36 00-0643	LF	2" x 6-1/2" Custom Shaped White Pine	71.26	1.87
06 46 36 00-0644	LF	2" x 7-1/2" Custom Shaped White Pine	80.67	1.87
06 46 36 00-0645	LF	2" x 8-1/2" Custom Shaped White Pine	90.22	2.00
06 46 36 00-0646	LF	2" x 9-1/2" Custom Shaped White Pine	99.64	2.00
06 46 36 00-0647	LF	2" x 10-1/2" Custom Shaped White Pine	109.06	2.13
06 46 36 00-0648	LF	2" x 11-1/2" Custom Shaped White Pine	118.75	2.27
06 46 36 00-0649	LF	2-1/2" x 1-1/2" Custom Shaped White Pine	28.28	1.60
06 46 36 00-0650	LF	2-1/2" x 2-1/2" Custom Shaped White Pine	39.88	1.60
06 46 36 00-0651	LF	2-1/2" x 3-1/2" Custom Shaped White Pine	51.48	1.73
06 46 36 00-0652	LF	2-1/2" x 4-1/2" Custom Shaped White Pine	63.20	1.73
06 46 36 00-0653	LF	2-1/2" x 5-1/2" Custom Shaped White Pine	74.82	1.73
06 46 36 00-0654	LF	2-1/2" x 6-1/2" Custom Shaped White Pine	86.68	1.87
06 46 36 00-0655	LF	2-1/2" x 7-1/2" Custom Shaped White Pine	98.29	2.00
06 46 36 00-0656	LF	2-1/2" x 8-1/2" Custom Shaped White Pine	110.01	2.00
06 46 36 00-0657	LF	2-1/2" x 9-1/2" Custom Shaped White Pine	121.61	2.13
06 46 36 00-0658	LF	2-1/2" x 10-1/2" Custom Shaped White Pine	133.22	2.13
06 46 36 00-0659	LF	2-1/2" x 11-1/2" Custom Shaped White Pine	145.10	2.27
06 46 36 00-0660	LF	3-1/2" x 3-1/2" Custom Shaped White Pine	71.27	1.73
06 46 36 00-0661	LF	3-1/2" x 4-1/2" Custom Shaped White Pine	87.92	1.73
06 46 36 00-0662	LF	3-1/2" x 5-1/2" Custom Shaped White Pine	104.44	1.87
06 46 36 00-0663	LF	3-1/2" x 6-1/2" Custom Shaped White Pine	121.22	2.00
06 46 36 00-0664	LF	3-1/2" x 7-1/2" Custom Shaped White Pine	137.74	2.00
06 46 36 00-0665	LF	3-1/2" x 8-1/2" Custom Shaped White Pine	154.39	2.13
06 46 36 00-0666	LF	3-1/2" x 9-1/2" Custom Shaped White Pine	170.90	2.13
06 46 36 00-0667	LF	3-1/2" x 10-1/2" Custom Shaped White Pine	187.42	2.13
06 46 36 00-0668	LF	3-1/2" x 11-1/2" Custom Shaped White Pine	204.21	2.27
06 46 36 00-0669		**Clear Yellow Pine** *(06 46 36)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0670	LF	3/4" x 1-1/2" Custom Shaped "C" Y Pine	6.88	1.47
06 46 36 00-0671	LF	3/4" x 2-1/2" Custom Shaped "C" Y Pine	8.13	1.47
06 46 36 00-0672	LF	3/4" x 3-1/2" Custom Shaped "C" Y Pine	9.37	1.47
06 46 36 00-0673	LF	3/4" x 4-1/2" Custom Shaped "C" Y Pine	10.61	1.60
06 46 36 00-0674	LF	3/4" x 5-1/2" Custom Shaped "C" Y Pine	12.00	1.60
06 46 36 00-0675	LF	3/4" x 6-1/2" Custom Shaped "C" Y Pine	13.40	1.73
06 46 36 00-0676	LF	3/4" x 7-1/2" Custom Shaped "C" Y Pine	14.62	1.73
06 46 36 00-0677	LF	3/4" x 8-1/2" Custom Shaped "C" Y Pine	15.89	1.73
06 46 36 00-0678	LF	1" x 1-1/2" Custom Shaped "C" Y Pine	7.83	1.47
06 46 36 00-0679	LF	1" x 2-1/2" Custom Shaped "C" Y Pine	9.51	1.47
06 46 36 00-0680	LF	1" x 3-1/2" Custom Shaped "C" Y Pine	11.14	1.60
06 46 36 00-0681	LF	1" x 4-1/2" Custom Shaped "C" Y Pine	12.82	1.60
06 46 36 00-0682	LF	1" x 5-1/2" Custom Shaped "C" Y Pine	14.59	1.73
06 46 36 00-0683	LF	1" x 6-1/2" Custom Shaped "C" Y Pine	16.42	1.73
06 46 36 00-0684	LF	1" x 7-1/2" Custom Shaped "C" Y Pine	18.57	1.73
06 46 36 00-0685	LF	1" x 8-1/2" Custom Shaped "C" Y Pine	20.33	1.87
06 46 36 00-0686	LF	1-1/2" x 1-1/2" Custom Shaped "C" Y Pine	9.03	1.47
06 46 36 00-0687	LF	1-1/2" x 2-1/2" Custom Shaped "C" Y Pine	11.15	1.60
06 46 36 00-0688	LF	1-1/2" x 3-1/2" Custom Shaped "C" Y Pine	13.26	1.60
06 46 36 00-0689	LF	1-1/2" x 4-1/2" Custom Shaped "C" Y Pine	15.38	1.73
06 46 36 00-0690	LF	1-1/2" x 5-1/2" Custom Shaped "C" Y Pine	17.51	1.73
06 46 36 00-0691	LF	1-1/2" x 6-1/2" Custom Shaped "C" Y Pine	19.91	1.87
06 46 36 00-0692	LF	1-1/2" x 7-1/2" Custom Shaped "C" Y Pine	22.01	1.87
06 46 36 00-0693	LF	1-1/2" x 8-1/2" Custom Shaped "C" Y Pine	24.16	2.00
06 46 36 00-0694	LF	1-1/2" x 9-1/2" Custom Shaped "C" Y Pine	27.85	2.00
06 46 36 00-0695	LF	1-1/2" x 10-1/2" Custom Shaped "C" Y Pine	28.71	2.13
06 46 36 00-0696		**Poplar** *(06 46 36)*		
06 46 36 00-0697	LF	3/4" x 1-1/2" Custom Shaped Poplar	7.21	1.47
06 46 36 00-0698	LF	3/4" x 2-1/2" Custom Shaped Poplar	8.62	1.47
06 46 36 00-0699	LF	3/4" x 3-1/2" Custom Shaped Poplar	10.02	1.47
06 46 36 00-0700	LF	3/4" x 4-1/2" Custom Shaped Poplar	11.43	1.60
06 46 36 00-0701	LF	3/4" x 5-1/2" Custom Shaped Poplar	12.99	1.60
06 46 36 00-0702	LF	3/4" x 6-1/2" Custom Shaped Poplar	14.54	1.73
06 46 36 00-0703	LF	3/4" x 7-1/2" Custom Shaped Poplar	15.93	1.73
06 46 36 00-0704	LF	3/4" x 8-1/2" Custom Shaped Poplar	17.36	1.73
06 46 36 00-0705	LF	3/4" x 9-1/2" Custom Shaped Poplar	18.70	1.87
06 46 36 00-0706	LF	3/4" x 10-1/2" Custom Shaped Poplar	20.29	2.00
06 46 36 00-0707	LF	3/4" x 11-1/2" Custom Shaped Poplar	21.86	2.00
06 46 36 00-0708	LF	1" x 1-1/2" Custom Shaped Poplar	8.27	1.47
06 46 36 00-0709	LF	1" x 2-1/2" Custom Shaped Poplar	10.11	1.47
06 46 36 00-0710	LF	1" x 3-1/2" Custom Shaped Poplar	11.96	1.60
06 46 36 00-0711	LF	1" x 4-1/2" Custom Shaped Poplar	13.80	1.60
06 46 36 00-0712	LF	1" x 5-1/2" Custom Shaped Poplar	15.85	1.73
06 46 36 00-0713	LF	1" x 6-1/2" Custom Shaped Poplar	17.84	1.73
06 46 36 00-0714	LF	1" x 7-1/2" Custom Shaped Poplar	19.66	1.73
06 46 36 00-0715	LF	1" x 8-1/2" Custom Shaped Poplar	21.54	1.87
06 46 36 00-0716	LF	1" x 9-1/2" Custom Shaped Poplar	23.36	1.87
06 46 36 00-0717	LF	1" x 10-1/2" Custom Shaped Poplar	25.39	2.00
06 46 36 00-0718	LF	1" x 11-1/2" Custom Shaped Poplar	27.29	2.00
06 46 36 00-0719	LF	1-1/4" x 1-1/2" Custom Shaped Poplar	9.23	1.47
06 46 36 00-0720	LF	1-1/4" x 2-1/2" Custom Shaped Poplar	11.51	1.47
06 46 36 00-0721	LF	1-1/4" x 3-1/2" Custom Shaped Poplar	13.79	1.60
06 46 36 00-0722	LF	1-1/4" x 4-1/2" Custom Shaped Poplar	16.07	1.60
06 46 36 00-0723	LF	1-1/4" x 5-1/2" Custom Shaped Poplar	18.49	1.73
06 46 36 00-0724	LF	1-1/4" x 6-1/2" Custom Shaped Poplar	20.92	1.73
06 46 36 00-0725	LF	1-1/4" x 7-1/2" Custom Shaped Poplar	23.19	1.87
06 46 36 00-0726	LF	1-1/4" x 8-1/2" Custom Shaped Poplar	25.50	1.87
06 46 36 00-0727	LF	1-1/4" x 9-1/2" Custom Shaped Poplar	27.71	1.87
06 46 36 00-0728	LF	1-1/4" x 10-1/2" Custom Shaped Poplar	30.17	2.00
06 46 36 00-0729	LF	1-1/4" x 11-1/2" Custom Shaped Poplar	32.51	2.13
06 46 36 00-0730	LF	1-1/2" x 1-1/2" Custom Shaped Poplar	11.43	1.47
06 46 36 00-0731	LF	1-1/2" x 2-1/2" Custom Shaped Poplar	14.75	1.60
06 46 36 00-0732	LF	1-1/2" x 3-1/2" Custom Shaped Poplar	18.07	1.60
06 46 36 00-0733	LF	1-1/2" x 4-1/2" Custom Shaped Poplar	21.39	1.73
06 46 36 00-0734	LF	1-1/2" x 5-1/2" Custom Shaped Poplar	24.71	1.73
06 46 36 00-0735	LF	1-1/2" x 6-1/2" Custom Shaped Poplar	28.32	1.87
06 46 36 00-0736	LF	1-1/2" x 7-1/2" Custom Shaped Poplar	31.62	1.87
06 46 36 00-0737	LF	1-1/2" x 8-1/2" Custom Shaped Poplar	34.98	2.00
06 46 36 00-0738	LF	1-1/2" x 9-1/2" Custom Shaped Poplar	38.22	2.00
06 46 36 00-0739	LF	1-1/2" x 10-1/2" Custom Shaped Poplar	41.71	2.13
06 46 36 00-0740	LF	1-1/2" x 11-1/2" Custom Shaped Poplar	45.09	2.13
06 46 36 00-0741	LF	2" x 1-1/2" Custom Shaped Poplar	14.77	1.60
06 46 36 00-0742	LF	2" x 2-1/2" Custom Shaped Poplar	19.70	1.60
06 46 36 00-0743	LF	2" x 3-1/2" Custom Shaped Poplar	24.59	1.60
06 46 36 00-0744	LF	2" x 4-1/2" Custom Shaped Poplar	29.65	1.73
06 46 36 00-0745	LF	2" x 5-1/2" Custom Shaped Poplar	34.54	1.73
06 46 36 00-0746	LF	2" x 6-1/2" Custom Shaped Poplar	39.75	1.87
06 46 36 00-0747	LF	2" x 7-1/2" Custom Shaped Poplar	44.63	1.87
06 46 36 00-0748	LF	2" x 8-1/2" Custom Shaped Poplar	49.70	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0749	LF	2" x 9-1/2" Custom Shaped Poplar	54.58	2.00
06 46 36 00-0750	LF	2" x 10-1/2" Custom Shaped Poplar	59.53	2.13
06 46 36 00-0751	LF	2" x 11-1/2" Custom Shaped Poplar	64.68	2.27
06 46 36 00-0752	LF	2-1/2" x 1-1/2" Custom Shaped Poplar	18.12	1.60
06 46 36 00-0753	LF	2-1/2" x 2-1/2" Custom Shaped Poplar	24.65	1.60
06 46 36 00-0754	LF	2-1/2" x 3-1/2" Custom Shaped Poplar	31.17	1.73
06 46 36 00-0755	LF	2-1/2" x 4-1/2" Custom Shaped Poplar	37.81	1.73
06 46 36 00-0756	LF	2-1/2" x 5-1/2" Custom Shaped Poplar	44.35	1.73
06 46 36 00-0757	LF	2-1/2" x 6-1/2" Custom Shaped Poplar	51.13	1.87
06 46 36 00-0758	LF	2-1/2" x 7-1/2" Custom Shaped Poplar	57.66	2.00
06 46 36 00-0759	LF	2-1/2" x 8-1/2" Custom Shaped Poplar	64.30	2.00
06 46 36 00-0760	LF	2-1/2" x 9-1/2" Custom Shaped Poplar	70.82	2.13
06 46 36 00-0761	LF	2-1/2" x 10-1/2" Custom Shaped Poplar	77.35	2.13
06 46 36 00-0762	LF	2-1/2" x 11-1/2" Custom Shaped Poplar	84.15	2.27
06 46 36 00-0763	LF	3-1/2" x 3-1/2" Custom Shaped Poplar	42.44	1.73
06 46 36 00-0764	LF	3-1/2" x 4-1/2" Custom Shaped Poplar	51.87	1.73
06 46 36 00-0765	LF	3-1/2" x 5-1/2" Custom Shaped Poplar	61.19	1.87
06 46 36 00-0766	LF	3-1/2" x 6-1/2" Custom Shaped Poplar	70.87	2.00
06 46 36 00-0767	LF	3-1/2" x 7-1/2" Custom Shaped Poplar	80.07	2.00
06 46 36 00-0768	LF	3-1/2" x 8-1/2" Custom Shaped Poplar	89.51	2.13
06 46 36 00-0769	LF	3-1/2" x 9-1/2" Custom Shaped Poplar	98.82	2.13
06 46 36 00-0770	LF	3-1/2" x 10-1/2" Custom Shaped Poplar	108.12	2.13
06 46 36 00-0771	LF	3-1/2" x 11-1/2" Custom Shaped Poplar	117.71	2.27
06 46 36 00-0772		**Clear Heart Redwood** *(06 46 36)*		
06 46 36 00-0773	LF	3/4" x 1-1/2" Custom Shaped Clear Heart Redwood	8.74	1.47
06 46 36 00-0774	LF	3/4" x 2-1/2" Custom Shaped Clear Heart Redwood	10.91	1.47
06 46 36 00-0775	LF	3/4" x 3-1/2" Custom Shaped Clear Heart Redwood	13.08	1.47
06 46 36 00-0776	LF	3/4" x 4-1/2" Custom Shaped Clear Heart Redwood	15.25	1.60
06 46 36 00-0777	LF	3/4" x 5-1/2" Custom Shaped Clear Heart Redwood	17.57	1.60
06 46 36 00-0778	LF	3/4" x 6-1/2" Custom Shaped Clear Heart Redwood	19.89	1.73
06 46 36 00-0779	LF	3/4" x 7-1/2" Custom Shaped Clear Heart Redwood	24.23	1.73
06 46 36 00-0780	LF	3/4" x 8-1/2" Custom Shaped Clear Heart Redwood	26.70	1.73
06 46 36 00-0781	LF	3/4" x 9-1/2" Custom Shaped Clear Heart Redwood	26.84	1.87
06 46 36 00-0782	LF	3/4" x 10-1/2" Custom Shaped Clear Heart Redwood	28.70	2.00
06 46 36 00-0783	LF	1" x 1-1/2" Custom Shaped Clear Heart Redwood	10.45	1.47
06 46 36 00-0784	LF	1" x 2-1/2" Custom Shaped Clear Heart Redwood	13.39	1.47
06 46 36 00-0785	LF	1" x 3-1/2" Custom Shaped Clear Heart Redwood	16.33	1.60
06 46 36 00-0786	LF	1" x 4-1/2" Custom Shaped Clear Heart Redwood	19.26	1.60
06 46 36 00-0787	LF	1" x 5-1/2" Custom Shaped Clear Heart Redwood	22.40	1.73
06 46 36 00-0788	LF	1" x 6-1/2" Custom Shaped Clear Heart Redwood	25.49	1.73
06 46 36 00-0789	LF	1" x 7-1/2" Custom Shaped Clear Heart Redwood	32.22	1.73
06 46 36 00-0790	LF	1" x 8-1/2" Custom Shaped Clear Heart Redwood	35.68	1.87
06 46 36 00-0791	LF	1" x 9-1/2" Custom Shaped Clear Heart Redwood	39.04	1.87
06 46 36 00-0792	LF	1" x 10-1/2" Custom Shaped Clear Heart Redwood	42.64	2.00
06 46 36 00-0793	LF	1-1/2" x 1-1/2" Custom Shaped Clear Heart Redwood	13.62	1.47
06 46 36 00-0794	LF	1-1/2" x 2-1/2" Custom Shaped Clear Heart Redwood	18.03	1.60
06 46 36 00-0795	LF	1-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	22.44	1.60
06 46 36 00-0796	LF	1-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	26.85	1.73
06 46 36 00-0797	LF	1-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	31.27	1.73
06 46 36 00-0798	LF	1-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	36.08	1.87
06 46 36 00-0799	LF	1-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	48.22	1.87
06 46 36 00-0800	LF	1-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	53.65	2.00
06 46 36 00-0801	LF	1-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	63.35	2.00
06 46 36 00-0802	LF	1-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	69.34	2.13
06 46 36 00-0803	LF	3-1/2" x 3-1/2" Custom Shaped Clear Heart Redwood	66.90	1.73
06 46 36 00-0804	LF	3-1/2" x 4-1/2" Custom Shaped Clear Heart Redwood	82.45	1.73
06 46 36 00-0805	LF	3-1/2" x 5-1/2" Custom Shaped Clear Heart Redwood	97.89	1.87
06 46 36 00-0806	LF	3-1/2" x 6-1/2" Custom Shaped Clear Heart Redwood	113.58	2.00
06 46 36 00-0807	LF	3-1/2" x 7-1/2" Custom Shaped Clear Heart Redwood	129.00	2.00
06 46 36 00-0808	LF	3-1/2" x 8-1/2" Custom Shaped Clear Heart Redwood	144.56	2.13
06 46 36 00-0809	LF	3-1/2" x 9-1/2" Custom Shaped Clear Heart Redwood	159.98	2.13
06 46 36 00-0810	LF	3-1/2" x 10-1/2" Custom Shaped Clear Heart Redwood	175.40	2.13
06 46 36 00-0811	LF	3-1/2" x 11-1/2" Custom Shaped Clear Heart Redwood	191.10	2.27
06 46 36 00-0812		**Teak** *(06 46 36)*		
06 46 36 00-0813	LF	3/4" x 1-1/2" Custom Shaped Teak	23.38	1.47
06 46 36 00-0814	LF	3/4" x 2-1/2" Custom Shaped Teak	32.87	1.47
06 46 36 00-0815	LF	3/4" x 3-1/2" Custom Shaped Teak	42.35	1.47
06 46 36 00-0816	LF	3/4" x 4-1/2" Custom Shaped Teak	51.84	1.60
06 46 36 00-0817	LF	3/4" x 5-1/2" Custom Shaped Teak	61.48	1.60
06 46 36 00-0818	LF	3/4" x 6-1/2" Custom Shaped Teak	71.12	1.73
06 46 36 00-0819	LF	3/4" x 7-1/2" Custom Shaped Teak	80.59	1.73
06 46 36 00-0820	LF	3/4" x 8-1/2" Custom Shaped Teak	90.11	1.73
06 46 36 00-0821	LF	3/4" x 9-1/2" Custom Shaped Teak	99.52	1.87
06 46 36 00-0822	LF	3/4" x 10-1/2" Custom Shaped Teak	109.19	2.00
06 46 36 00-0823	LF	3/4" x 11-1/2" Custom Shaped Teak	118.74	2.00
06 46 36 00-0824	LF	1-1/2" x 1-1/2" Custom Shaped Teak	53.38	1.47
06 46 36 00-0825	LF	1-1/2" x 2-1/2" Custom Shaped Teak	61.28	1.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 46 36 00-0826	LF	1-1/2" x 3-1/2" Custom Shaped Teak	80.11	1.60
06 46 36 00-0827	LF	1-1/2" x 4-1/2" Custom Shaped Teak	98.93	1.73
06 46 36 00-0828	LF	1-1/2" x 5-1/2" Custom Shaped Teak	117.77	1.73
06 46 36 00-0829	LF	1-1/2" x 6-1/2" Custom Shaped Teak	136.34	1.87
06 46 36 00-0830	LF	1-1/2" x 7-1/2" Custom Shaped Teak	155.69	1.87
06 46 36 00-0831	LF	1-1/2" x 8-1/2" Custom Shaped Teak	174.56	2.00
06 46 36 00-0832	LF	1-1/2" x 9-1/2" Custom Shaped Teak	193.32	2.00
06 46 36 00-0833	LF	1-1/2" x 10-1/2" Custom Shaped Teak	212.32	2.13
06 46 36 00-0834	LF	1-1/2" x 11-1/2" Custom Shaped Teak	231.20	2.13
06 46 36 00-0835		Walnut *(06 46 36)*		
06 46 36 00-0836	LF	3/4" x 1-1/2" Custom Shaped Walnut	13.00	1.47
06 46 36 00-0837	LF	3/4" x 2-1/2" Custom Shaped Walnut	17.30	1.47
06 46 36 00-0838	LF	3/4" x 3-1/2" Custom Shaped Walnut	21.60	1.47
06 46 36 00-0839	LF	3/4" x 4-1/2" Custom Shaped Walnut	25.90	1.60
06 46 36 00-0840	LF	3/4" x 5-1/2" Custom Shaped Walnut	30.35	1.60
06 46 36 00-0841	LF	3/4" x 6-1/2" Custom Shaped Walnut	34.80	1.73
06 46 36 00-0842	LF	3/4" x 7-1/2" Custom Shaped Walnut	39.08	1.73
06 46 36 00-0843	LF	3/4" x 8-1/2" Custom Shaped Walnut	43.41	1.73
06 46 36 00-0844	LF	3/4" x 9-1/2" Custom Shaped Walnut	47.64	1.87
06 46 36 00-0845	LF	3/4" x 10-1/2" Custom Shaped Walnut	52.12	2.00
06 46 36 00-0846	LF	3/4" x 11-1/2" Custom Shaped Walnut	56.48	2.00
06 46 36 00-0847	LF	1" x 1-1/2" Custom Shaped Walnut	15.48	1.47
06 46 36 00-0848	LF	1" x 2-1/2" Custom Shaped Walnut	20.98	1.47
06 46 36 00-0849	LF	1" x 3-1/2" Custom Shaped Walnut	26.43	1.60
06 46 36 00-0850	LF	1" x 4-1/2" Custom Shaped Walnut	31.93	1.60
06 46 36 00-0851	LF	1" x 5-1/2" Custom Shaped Walnut	37.53	1.73
06 46 36 00-0852	LF	1" x 6-1/2" Custom Shaped Walnut	43.18	1.73
06 46 36 00-0853	LF	1" x 7-1/2" Custom Shaped Walnut	48.61	1.73
06 46 36 00-0854	LF	1" x 8-1/2" Custom Shaped Walnut	54.14	1.87
06 46 36 00-0855	LF	1" x 9-1/2" Custom Shaped Walnut	59.52	1.87
06 46 36 00-0856	LF	1" x 10-1/2" Custom Shaped Walnut	65.20	2.00
06 46 36 00-0857	LF	1" x 11-1/2" Custom Shaped Walnut	70.70	2.00
06 46 36 00-0858	LF	1-1/4" x 1-1/2" Custom Shaped Walnut	18.90	1.47
06 46 36 00-0859	LF	1-1/4" x 2-1/2" Custom Shaped Walnut	26.04	1.47
06 46 36 00-0860	LF	1-1/4" x 3-1/2" Custom Shaped Walnut	33.12	1.60
06 46 36 00-0861	LF	1-1/4" x 4-1/2" Custom Shaped Walnut	40.26	1.60
06 46 36 00-0862	LF	1-1/4" x 5-1/2" Custom Shaped Walnut	47.49	1.73
06 46 36 00-0863	LF	1-1/4" x 6-1/2" Custom Shaped Walnut	54.78	1.73
06 46 36 00-0864	LF	1-1/4" x 7-1/2" Custom Shaped Walnut	61.85	1.87
06 46 36 00-0865	LF	1-1/4" x 8-1/2" Custom Shaped Walnut	69.02	1.87
06 46 36 00-0866	LF	1-1/4" x 9-1/2" Custom Shaped Walnut	76.04	1.87
06 46 36 00-0867	LF	1-1/4" x 10-1/2" Custom Shaped Walnut	83.36	2.00
06 46 36 00-0868	LF	1-1/4" x 11-1/2" Custom Shaped Walnut	90.50	2.13
06 46 36 00-0869	LF	1-1/2" x 1-1/2" Custom Shaped Walnut	25.42	1.47
06 46 36 00-0870	LF	1-1/2" x 2-1/2" Custom Shaped Walnut	35.72	1.60
06 46 36 00-0871	LF	1-1/2" x 3-1/2" Custom Shaped Walnut	46.03	1.60
06 46 36 00-0872	LF	1-1/2" x 4-1/2" Custom Shaped Walnut	56.34	1.73
06 46 36 00-0873	LF	1-1/2" x 5-1/2" Custom Shaped Walnut	66.66	1.73
06 46 36 00-0874	LF	1-1/2" x 6-1/2" Custom Shaped Walnut	77.25	1.87
06 46 36 00-0875	LF	1-1/2" x 7-1/2" Custom Shaped Walnut	87.54	1.87
06 46 36 00-0876	LF	1-1/2" x 8-1/2" Custom Shaped Walnut	97.89	2.00
06 46 36 00-0877	LF	1-1/2" x 9-1/2" Custom Shaped Walnut	109.22	2.00
06 46 36 00-0878	LF	1-1/2" x 10-1/2" Custom Shaped Walnut	118.60	2.13
06 46 36 00-0879	LF	1-1/2" x 11-1/2" Custom Shaped Walnut	128.97	2.13
06 46 36 00-0880	LF	2" x 1-1/2" Custom Shaped Walnut	42.35	1.60
06 46 36 00-0881	LF	2" x 2-1/2" Custom Shaped Walnut	61.04	1.60
06 46 36 00-0882	LF	2" x 3-1/2" Custom Shaped Walnut	79.75	1.60
06 46 36 00-0883	LF	2" x 4-1/2" Custom Shaped Walnut	98.57	1.73
06 46 36 00-0884	LF	2" x 5-1/2" Custom Shaped Walnut	117.28	1.73
06 46 36 00-0885	LF	2" x 6-1/2" Custom Shaped Walnut	136.24	1.87
06 46 36 00-0886	LF	2" x 7-1/2" Custom Shaped Walnut	154.94	1.87
06 46 36 00-0887	LF	2" x 8-1/2" Custom Shaped Walnut	173.78	2.00
06 46 36 00-0888	LF	2" x 9-1/2" Custom Shaped Walnut	192.48	2.00
06 46 36 00-0889	LF	2" x 10-1/2" Custom Shaped Walnut	211.18	2.13
06 46 36 00-0890	LF	2" x 11-1/2" Custom Shaped Walnut	230.15	2.27
06 46 36 00-0891	LF	2-1/2" x 1-1/2" Custom Shaped Walnut	52.85	1.60
06 46 36 00-0892	LF	2-1/2" x 2-1/2" Custom Shaped Walnut	76.75	1.60
06 46 36 00-0893	LF	2-1/2" x 3-1/2" Custom Shaped Walnut	100.63	1.73
06 46 36 00-0894	LF	2-1/2" x 4-1/2" Custom Shaped Walnut	124.64	1.73
06 46 36 00-0895	LF	2-1/2" x 5-1/2" Custom Shaped Walnut	148.54	1.73
06 46 36 00-0896	LF	2-1/2" x 6-1/2" Custom Shaped Walnut	172.69	1.87
06 46 36 00-0897	LF	2-1/2" x 7-1/2" Custom Shaped Walnut	196.58	2.00
06 46 36 00-0898	LF	2-1/2" x 8-1/2" Custom Shaped Walnut	220.60	2.00
06 46 36 00-0899	LF	2-1/2" x 9-1/2" Custom Shaped Walnut	244.49	2.13
06 46 36 00-0900	LF	2-1/2" x 10-1/2" Custom Shaped Walnut	268.38	2.13
06 46 36 00-0901	LF	2-1/2" x 11-1/2" Custom Shaped Walnut	292.55	2.27

06 48 Wood Frames *(06 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

06 48 13 Exterior Wood Door Frames *(06 48)*

06 48 13 00-0001 Exterior Door Frames *(06 48 13)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made with threshold, includes all trim molding, up to 8" depth.

06 48 13 00-0002	EA	3' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	344.58	75.60
		For Birch, Add	*67.74*	
		For Mahogany, Add	*164.50*	
06 48 13 00-0003	EA	3'-6" x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	362.22	79.23
		For Birch, Add	*71.57*	
		For Mahogany, Add	*173.82*	
06 48 13 00-0004	EA	4' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	379.88	82.31
		For Birch, Add	*75.40*	
		For Mahogany, Add	*183.11*	
06 48 13 00-0005	EA	5' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	413.54	88.08
		For Birch, Add	*83.05*	
		For Mahogany, Add	*201.69*	
06 48 13 00-0006	EA	6' x 7' Pine Exterior Door Frame Custom Made With Threshold And Trim	447.99	94.39
		For Birch, Add	*90.71*	
		For Mahogany, Add	*220.29*	
06 48 13 00-0007	EA	3' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	507.21	75.86
06 48 13 00-0008	EA	3'-6" x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	516.85	79.23
06 48 13 00-0009	EA	4' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	526.45	82.58
06 48 13 00-0010	EA	5' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	543.11	87.95
06 48 13 00-0011	EA	6' x 7' Walnut Exterior Door Frame Custom Made With Threshold And Trim	562.56	94.66
06 48 13 00-0012	EA	3' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	400.74	75.86
06 48 13 00-0013	EA	3'-6" x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	419.99	79.23
06 48 13 00-0014	EA	4' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	439.37	82.58
06 48 13 00-0015	EA	5' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	475.23	87.95
06 48 13 00-0016	EA	6' x 7' Oak Exterior Door Frame Custom Made With Threshold And Trim	513.75	94.66

06 48 16 Interior Wood Door Frames *(06 48)*

06 48 16 00-0001 Interior Door Frames *(06 48 16)*

Note: 6'-8" and 7'-2" frames are the same price as 7' frames. Custom made, includes all trim molding.

06 48 16 00-0002	EA	2'-0" Or 2'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	172.10	35.98
		For Oak Or Maple, Add	*31.05*	
		For Birch, Add	*35.06*	
		For Mahogany, Add	*85.14*	
		For Walnut Frame, Add	*45.08*	
06 48 16 00-0003	EA	2'-6" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	173.28	36.12
		For Oak Or Maple, Add	*31.31*	
		For Birch, Add	*35.35*	
		For Mahogany, Add	*85.86*	
		For Walnut Frame, Add	*45.45*	
06 48 16 00-0004	EA	2'-8" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	175.45	36.79
		For Oak Or Maple, Add	*31.55*	
		For Birch, Add	*35.62*	
		For Mahogany, Add	*86.50*	
		For Walnut Frame, Add	*45.80*	
06 48 16 00-0005	EA	3' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	178.31	37.73
		For Oak Or Maple, Add	*31.86*	
		For Birch, Add	*35.97*	
		For Mahogany, Add	*87.36*	
		For Walnut Frame, Add	*46.25*	
06 48 16 00-0006	EA	3'-4" x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	182.41	38.67
		For Oak Or Maple, Add	*32.53*	
		For Birch, Add	*36.73*	
		For Mahogany, Add	*89.21*	
		For Walnut Frame, Add	*47.23*	
06 48 16 00-0007	EA	4' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	192.74	41.08
		For Oak Or Maple, Add	*34.26*	
		For Birch, Add	*38.68*	
		For Mahogany, Add	*93.93*	
		For Walnut Frame, Add	*49.73*	
06 48 16 00-0008	EA	5' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	205.03	44.45
		For Oak Or Maple, Add	*35.98*	
		For Birch, Add	*40.62*	
		For Mahogany, Add	*98.66*	
		For Walnut Frame, Add	*52.23*	
06 48 16 00-0009	EA	6' x 7' Pine Interior Door Frame Custom Made With Threshold And Trim	216.03	47.27
		For Oak Or Maple, Add	*37.70*	
		For Birch, Add	*42.57*	
		For Mahogany, Add	*103.38*	
		For Walnut Frame, Add	*54.73*	
06 48 16 00-0010	LF	4-9/16", Pine Interior Door Frame	8.29	3.22
		For Oak Or Maple, Add	*0.57*	
		For Birch, Add	*0.64*	
		For Mahogany, Add	*1.56*	
		For Walnut Frame, Add	*0.83*	

06 49 Wood Screens and Exterior Wood Shutters *(06 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 49 19		**Exterior Wood Shutters** *(06 49)*		
		See CSI section 10 71 13 13-0000 for exterior shutters.		

06 50 Structural Plastics *(06)*

06 51 Structural Plastic Shapes and Plates *(06 50)*

06 51 13 Plastic Lumber *(06 51)*

06 51 13 00-0001 Beams And Girders, Recycled Plastic Lumber *(06 51 13)*

06 51 13 00-0002	LF	2" x 6", Beam Or Girder, Recycled Plastic Lumber	13.86	2.16
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0003	LF	2" x 8", Beam Or Girder, Recycled Plastic Lumber	17.69	2.35
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0004	LF	2" x 10", Beam Or Girder, Recycled Plastic Lumber	21.15	2.53
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0005	LF	3" x 10", Beam Or Girder, Recycled Plastic Lumber	30.87	3.01
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0006	LF	3" x 12", Beam Or Girder, Recycled Plastic Lumber	36.97	3.39
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0007	LF	4" x 4", Beam Or Girder, Recycled Plastic Lumber	19.98	2.91
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0008	LF	4" x 6", Beam Or Girder, Recycled Plastic Lumber	26.89	3.10
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber	27.99	3.19
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber	38.59	3.48
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber	52.61	3.67
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0012 Joists, Recycled Plastic Lumber *(06 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber	9.00	1.21
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber	12.52	1.28
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber	16.33	1.41
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber	19.94	1.69
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber	29.40	1.98
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber	35.76	2.53
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber	18.36	1.78
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber	25.15	1.88
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber	26.37	2.07
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber	36.98	2.35
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber	51.00	2.53
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	

06 51 13 00-0024 Columns, Recycled Plastic Lumber *(06 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber	21.32	3.85
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber	30.24	5.45
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber	32.16	6.11
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber	43.55	6.95
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber	59.59	8.56
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0030		**Walls, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber	8.09	1.21
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber	9.28	1.41
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber	12.92	1.50
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber	16.60	1.60
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0035		**Other Shapes, Recycled Plastic Lumber** *(06 51 13)*		
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	7.90	1.07
		For Reinforced Structural Plastic Lumber, Add	*2.32*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.78*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.63*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.56*	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	10.04	1.21
		For Reinforced Structural Plastic Lumber, Add	*3.07*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.50*	
		For White Color, Add	*1.04*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.16*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0038	LF	5/4" x 8", Other Shapes, Recycled Plastic Lumber	13.13	1.21
		For Reinforced Structural Plastic Lumber, Add	*4.21*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.68*	
		For White Color, Add	*1.42*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.96*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-1.03*	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	7.94	1.07
		For Reinforced Structural Plastic Lumber, Add	*2.33*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.64*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	8.78	1.21
		For Reinforced Structural Plastic Lumber, Add	*2.60*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.42*	
		For White Color, Add	*0.88*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.83*	
		For Grooved Edge Deck Boards With Hidden Fasteners, Add	*0.40*	
		For >750, Deduct	*-0.63*	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	8.94	1.21
		For Reinforced Structural Plastic Lumber, Add	*2.66*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.43*	
		For White Color, Add	*0.90*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.87*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	5.49	1.03
		For Reinforced Structural Plastic Lumber, Add	*1.48*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.24*	
		For White Color, Add	*0.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.04*	
		For >750, Deduct	*-0.36*	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	8.09	1.21
		For Reinforced Structural Plastic Lumber, Add	*2.35*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.38*	
		For White Color, Add	*0.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.65*	
		For >750, Deduct	*-0.57*	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	9.28	1.41
		For Reinforced Structural Plastic Lumber, Add	*2.69*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.44*	
		For White Color, Add	*0.91*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.89*	
		For >750, Deduct	*-0.65*	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	12.92	1.50
		For Reinforced Structural Plastic Lumber, Add	*3.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.65*	
		For White Color, Add	*1.35*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.80*	
		For >750, Deduct	*-0.97*	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	16.60	1.60
		For Reinforced Structural Plastic Lumber, Add	*5.30*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.86*	
		For White Color, Add	*1.79*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.72*	
		For >750, Deduct	*-1.29*	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	19.94	1.69
		For Reinforced Structural Plastic Lumber, Add	*6.49*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.05*	
		For White Color, Add	*2.19*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.56*	
		For >750, Deduct	*-1.58*	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	24.09	1.78
		For Reinforced Structural Plastic Lumber, Add	*7.98*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.29*	
		For White Color, Add	*2.70*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.61*	
		For >750, Deduct	*-1.94*	
06 51 13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber	13.28	1.64
		For Reinforced Structural Plastic Lumber, Add	*4.04*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.66*	
		For White Color, Add	*1.37*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*2.84*	
		For >750, Deduct	*-0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber	19.46	1.76
		For Reinforced Structural Plastic Lumber, Add	*6.28*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.02*	
		For White Color, Add	*2.12*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.41*	
		For >750, Deduct	*-1.53*	
06 51 13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber	25.35	1.88
		For Reinforced Structural Plastic Lumber, Add	*8.40*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.36*	
		For White Color, Add	*2.84*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.90*	
		For >750, Deduct	*-2.04*	
06 51 13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber	29.40	1.98
		For Reinforced Structural Plastic Lumber, Add	*9.83*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.59*	
		For White Color, Add	*3.32*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.91*	
		For >750, Deduct	*-2.39*	
06 51 13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber	35.76	2.53
		For Reinforced Structural Plastic Lumber, Add	*11.89*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.93*	
		For White Color, Add	*4.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.35*	
		For >750, Deduct	*-2.89*	
06 51 13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber	18.36	1.78
		For Reinforced Structural Plastic Lumber, Add	*5.85*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.95*	
		For White Color, Add	*1.98*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.11*	
		For >500, Deduct	*-1.58*	
06 51 13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber	25.15	1.88
		For Reinforced Structural Plastic Lumber, Add	*8.31*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.35*	
		For White Color, Add	*2.81*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.84*	
		For >500, Deduct	*-2.25*	
06 51 13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber	33.80	2.04
		For Reinforced Structural Plastic Lumber, Add	*11.43*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.85*	
		For White Color, Add	*3.86*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.03*	
		For >500, Deduct	*-3.09*	
06 51 13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber	26.37	2.07
		For Reinforced Structural Plastic Lumber, Add	*8.67*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.41*	
		For White Color, Add	*2.93*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*6.09*	
		For >500, Deduct	*-2.34*	
06 51 13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber	36.98	2.35
		For Reinforced Structural Plastic Lumber, Add	*12.44*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.02*	
		For White Color, Add	*4.20*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*8.74*	
		For >500, Deduct	*-3.36*	
06 51 13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber	51.00	2.53
		For Reinforced Structural Plastic Lumber, Add	*17.53*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.84*	
		For White Color, Add	*5.92*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.32*	
		For >500, Deduct	*-4.74*	
06 51 13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber	71.99	2.82
		For Reinforced Structural Plastic Lumber, Add	*25.15*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*4.08*	
		For White Color, Add	*8.50*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*17.67*	
		For >500, Deduct	*-6.80*	
06 51 13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber	64.02	2.72
		For Reinforced Structural Plastic Lumber, Add	*22.26*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*3.61*	
		For White Color, Add	*7.52*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*15.64*	
		For >500, Deduct	*-6.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0062	LF	8" x 10", Other Shapes, Recycled Plastic Lumber	109.34	2.82
		For Reinforced Structural Plastic Lumber, Add	*38.97*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*6.32*	
		For White Color, Add	*13.17*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*27.38*	
		For >500, Deduct	*-10.53*	
06 51 13 00-0063	LF	10" x 10", Other Shapes, Recycled Plastic Lumber	151.68	2.95
		For Reinforced Structural Plastic Lumber, Add	*54.57*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*8.85*	
		For White Color, Add	*18.44*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*38.34*	
		For >500, Deduct	*-14.75*	
06 51 13 00-0064	LF	2" Diameter, Other Shapes, Recycled Plastic Lumber	5.89	0.94
		For Reinforced Structural Plastic Lumber, Add	*1.68*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.27*	
		For White Color, Add	*0.57*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*1.18*	
06 51 13 00-0065	LF	3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber	16.86	1.21
		For Reinforced Structural Plastic Lumber, Add	*5.59*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*0.91*	
		For White Color, Add	*1.89*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*3.93*	
06 51 13 00-0066	LF	4" Diameter, Other Shapes, Recycled Plastic Lumber	18.60	1.41
		For Reinforced Structural Plastic Lumber, Add	*6.14*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.00*	
		For White Color, Add	*2.07*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*4.31*	
06 51 13 00-0067	LF	5" Diameter, Other Shapes, Recycled Plastic Lumber	23.03	1.69
		For Reinforced Structural Plastic Lumber, Add	*7.63*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*1.24*	
		For White Color, Add	*2.58*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*5.36*	
06 51 13 00-0068	LF	6" Diameter, Other Shapes, Recycled Plastic Lumber	50.94	1.98
		For Reinforced Structural Plastic Lumber, Add	*17.80*	
		Note: High-density polyethylene combined with fiberglass.		
		For Brown Color With Wood Grain, Add	*2.89*	
		For White Color, Add	*6.02*	
		For Premium Colors (Except Gray, Black, Brown Or White), Add	*12.51*	
06 51 13 00-0069	SF	1/8" Thick, Other Shapes, Recycled Plastic Sheeting	4.76	1.03
06 51 13 00-0070	SF	1/4" Thick, Other Shapes, Recycled Plastic Sheeting	6.96	1.07
06 51 13 00-0071	SF	3/8" Thick, Other Shapes, Recycled Plastic Sheeting	10.04	1.15
06 51 13 00-0072	SF	1/2" Thick, Other Shapes, Recycled Plastic Sheeting	12.80	1.19

06 51 23 Plastic Channel and Shapes *(06 51)*

06 51 23 00-0001 Channel *(06 51 23)*

06 51 23 00-0002	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22)	19.07	2.31
06 51 23 00-0003	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22H1-7/8)	35.01	2.31
06 51 23 00-0004	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22SH)	35.01	2.31
06 51 23 00-0005	LF	1-5/8" x 1-5/8" Plastic Polyester Channel (Cooper B-Line BFP22A)	45.63	2.31
06 51 23 00-0006	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22)	23.75	2.31
06 51 23 00-0007	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22H1-7/8)	39.90	2.31
06 51 23 00-0008	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22SH)	39.90	2.31
06 51 23 00-0009	LF	1-5/8" x 1-5/8" Vinyl Ester Resin Channel (Cooper B-Line BFV22A)	50.10	2.31
06 51 23 00-0010	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42)	19.28	2.31
06 51 23 00-0011	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42H1-7/8)	30.55	2.31
06 51 23 00-0012	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42SH)	30.55	2.31
06 51 23 00-0013	LF	1-5/8" x 1" Plastic Polyester Channel (Cooper B-Line BFP42A)	41.17	2.31
06 51 23 00-0014	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42)	23.32	2.31
06 51 23 00-0015	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42H1-7/8)	35.01	2.31
06 51 23 00-0016	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42SH)	35.01	2.31
06 51 23 00-0017	LF	1-5/8" x 1" Vinyl Ester Resin Channel (Cooper B-Line BFV42A)	43.08	2.31

06 51 33 Carbon Fiber Plates *(06 51)*

06 51 33 00-0001 Carbon Fiber Plates *(06 51 33)*

Note: Outer Material: 2x2 Twill Carbon Fiber Prepreg, Inner Material: 0/90 (Balanced) Unidirectional Carbon Fiber Prepreg, Exterior Finish: Matte/Matte

06 51 33 00-0002	EA	6" x 6", 0.039" Thickness, Carbon Fiber Plates	20.06	
06 51 33 00-0003	EA	6" x 12", 0.039" Thickness, Carbon Fiber Plates	31.59	
06 51 33 00-0004	EA	6" x 24", 0.039" Thickness, Carbon Fiber Plates	54.51	
06 51 33 00-0005	EA	12" x 12", 0.039" Thickness, Carbon Fiber Plates	54.51	
06 51 33 00-0006	EA	12" x 24", 0.039" Thickness, Carbon Fiber Plates	97.30	
06 51 33 00-0007	EA	12" x 48", 0.039" Thickness, Carbon Fiber Plates	180.67	
06 51 33 00-0008	EA	24" x 24", 0.039" Thickness, Carbon Fiber Plates	181.34	
06 51 33 00-0009	EA	24" x 48", 0.039" Thickness, Carbon Fiber Plates	345.57	
06 51 33 00-0010	EA	38" x 48", 0.039" Thickness, Carbon Fiber Plates	518.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0011	EA	38" x 96", 0.039" Thickness, Carbon Fiber Plates	1,033.32	
06 51 33 00-0012	EA	6" x 6", 1/16" Thickness, Carbon Fiber Plates	25.12	
06 51 33 00-0013	EA	6" x 12", 1/16" Thickness, Carbon Fiber Plates	44.25	
06 51 33 00-0014	EA	6" x 24", 1/16" Thickness, Carbon Fiber Plates	76.03	
06 51 33 00-0015	EA	12" x 12", 1/16" Thickness, Carbon Fiber Plates	76.03	
06 51 33 00-0016	EA	12" x 24", 1/16" Thickness, Carbon Fiber Plates	135.28	
06 51 33 00-0017	EA	12" x 48", 1/16" Thickness, Carbon Fiber Plates	255.37	
06 51 33 00-0018	EA	24" x 24", 1/16" Thickness, Carbon Fiber Plates	256.04	
06 51 33 00-0019	EA	24" x 48", 1/16" Thickness, Carbon Fiber Plates	484.83	
06 51 33 00-0020	EA	38" x 48", 1/16" Thickness, Carbon Fiber Plates	733.78	
06 51 33 00-0021	EA	38" x 96", 1/16" Thickness, Carbon Fiber Plates	1,463.76	
06 51 33 00-0022	EA	6" x 6", 0.079" Thickness, Carbon Fiber Plates	30.19	
06 51 33 00-0023	EA	6" x 12", 0.079" Thickness, Carbon Fiber Plates	49.32	
06 51 33 00-0024	EA	6" x 24", 0.079" Thickness, Carbon Fiber Plates	87.43	
06 51 33 00-0025	EA	12" x 12", 0.079" Thickness, Carbon Fiber Plates	87.43	
06 51 33 00-0026	EA	12" x 24", 0.079" Thickness, Carbon Fiber Plates	174.53	
06 51 33 00-0027	EA	12" x 48", 0.079" Thickness, Carbon Fiber Plates	333.86	
06 51 33 00-0028	EA	24" x 24", 0.079" Thickness, Carbon Fiber Plates	334.53	
06 51 33 00-0029	EA	24" x 48", 0.079" Thickness, Carbon Fiber Plates	554.46	
06 51 33 00-0030	EA	38" x 48", 0.079" Thickness, Carbon Fiber Plates	842.66	
06 51 33 00-0031	EA	38" x 96", 0.079" Thickness, Carbon Fiber Plates	1,670.12	
06 51 33 00-0032	EA	6" x 6", 3/32" Thickness, Carbon Fiber Plates	33.99	
06 51 33 00-0033	EA	6" x 12", 3/32" Thickness, Carbon Fiber Plates	58.18	
06 51 33 00-0034	EA	6" x 24", 3/32" Thickness, Carbon Fiber Plates	96.29	
06 51 33 00-0035	EA	12" x 12", 3/32" Thickness, Carbon Fiber Plates	96.29	
06 51 33 00-0036	EA	12" x 24", 3/32" Thickness, Carbon Fiber Plates	177.06	
06 51 33 00-0037	EA	12" x 48", 3/32" Thickness, Carbon Fiber Plates	332.59	
06 51 33 00-0038	EA	24" x 24", 3/32" Thickness, Carbon Fiber Plates	333.26	
06 51 33 00-0039	EA	24" x 48", 3/32" Thickness, Carbon Fiber Plates	636.75	
06 51 33 00-0040	EA	38" x 48", 3/32" Thickness, Carbon Fiber Plates	962.93	
06 51 33 00-0041	EA	38" x 96", 3/32" Thickness, Carbon Fiber Plates	1,919.52	
06 51 33 00-0042	EA	6" x 6", 0.119" Thickness, Carbon Fiber Plates	39.05	
06 51 33 00-0043	EA	6" x 12", 0.119" Thickness, Carbon Fiber Plates	70.84	
06 51 33 00-0044	EA	6" x 24", 0.119" Thickness, Carbon Fiber Plates	114.01	
06 51 33 00-0045	EA	12" x 12", 0.119" Thickness, Carbon Fiber Plates	114.01	
06 51 33 00-0046	EA	12" x 24", 0.119" Thickness, Carbon Fiber Plates	204.91	
06 51 33 00-0047	EA	12" x 48", 0.119" Thickness, Carbon Fiber Plates	390.83	
06 51 33 00-0048	EA	24" x 24", 0.119" Thickness, Carbon Fiber Plates	391.50	
06 51 33 00-0049	EA	24" x 48", 0.119" Thickness, Carbon Fiber Plates	743.09	
06 51 33 00-0050	EA	38" x 48", 0.119" Thickness, Carbon Fiber Plates	1,126.24	
06 51 33 00-0051	EA	38" x 96", 0.119" Thickness, Carbon Fiber Plates	2,242.35	
06 51 33 00-0052	EA	6" x 6", 1/8" Thickness, Carbon Fiber Plates	37.78	
06 51 33 00-0053	EA	6" x 12", 1/8" Thickness, Carbon Fiber Plates	67.04	
06 51 33 00-0054	EA	6" x 24", 1/8" Thickness, Carbon Fiber Plates	114.01	
06 51 33 00-0055	EA	12" x 12", 1/8" Thickness, Carbon Fiber Plates	114.01	
06 51 33 00-0056	EA	12" x 24", 1/8" Thickness, Carbon Fiber Plates	190.98	
06 51 33 00-0057	EA	12" x 48", 1/8" Thickness, Carbon Fiber Plates	370.57	
06 51 33 00-0058	EA	24" x 24", 1/8" Thickness, Carbon Fiber Plates	371.24	
06 51 33 00-0059	EA	24" x 48", 1/8" Thickness, Carbon Fiber Plates	705.11	
06 51 33 00-0060	EA	38" x 48", 1/8" Thickness, Carbon Fiber Plates	1,113.58	
06 51 33 00-0061	EA	38" x 96", 1/8" Thickness, Carbon Fiber Plates	2,177.78	
06 51 33 00-0062	EA	6" x 6", 0.157" Thickness, Carbon Fiber Plates	46.65	
06 51 33 00-0063	EA	6" x 12", 0.157" Thickness, Carbon Fiber Plates	92.36	
06 51 33 00-0064	EA	6" x 24", 0.157" Thickness, Carbon Fiber Plates	139.33	
06 51 33 00-0065	EA	12" x 12", 0.157" Thickness, Carbon Fiber Plates	139.33	
06 51 33 00-0066	EA	12" x 24", 0.157" Thickness, Carbon Fiber Plates	241.62	
06 51 33 00-0067	EA	12" x 48", 0.157" Thickness, Carbon Fiber Plates	460.46	
06 51 33 00-0068	EA	24" x 24", 0.157" Thickness, Carbon Fiber Plates	461.13	
06 51 33 00-0069	EA	24" x 48", 0.157" Thickness, Carbon Fiber Plates	882.35	
06 51 33 00-0070	EA	38" x 48", 0.157" Thickness, Carbon Fiber Plates	1,336.40	
06 51 33 00-0071	EA	38" x 96", 0.157" Thickness, Carbon Fiber Plates	2,666.46	
06 51 33 00-0072	EA	6" x 6", 3/16" Thickness, Carbon Fiber Plates	52.98	
06 51 33 00-0073	EA	6" x 12", 3/16" Thickness, Carbon Fiber Plates	94.89	
06 51 33 00-0074	EA	6" x 24", 3/16" Thickness, Carbon Fiber Plates	159.59	
06 51 33 00-0075	EA	12" x 12", 3/16" Thickness, Carbon Fiber Plates	159.59	
06 51 33 00-0076	EA	12" x 24", 3/16" Thickness, Carbon Fiber Plates	274.54	
06 51 33 00-0077	EA	12" x 48", 3/16" Thickness, Carbon Fiber Plates	530.09	
06 51 33 00-0078	EA	24" x 24", 3/16" Thickness, Carbon Fiber Plates	530.76	
06 51 33 00-0079	EA	24" x 48", 3/16" Thickness, Carbon Fiber Plates	1,008.95	
06 51 33 00-0080	EA	38" x 48", 3/16" Thickness, Carbon Fiber Plates	1,526.30	
06 51 33 00-0081	EA	38" x 96", 3/16" Thickness, Carbon Fiber Plates	3,033.60	
06 51 33 00-0082	EA	6" x 6", 0.197" Thickness, Carbon Fiber Plates	54.24	
06 51 33 00-0083	EA	6" x 12", 0.197" Thickness, Carbon Fiber Plates	101.22	
06 51 33 00-0084	EA	6" x 24", 0.197" Thickness, Carbon Fiber Plates	173.52	
06 51 33 00-0085	EA	12" x 12", 0.197" Thickness, Carbon Fiber Plates	151.99	
06 51 33 00-0086	EA	12" x 24", 0.197" Thickness, Carbon Fiber Plates	304.92	
06 51 33 00-0087	EA	12" x 48", 0.197" Thickness, Carbon Fiber Plates	535.15	
06 51 33 00-0088	EA	24" x 24", 0.197" Thickness, Carbon Fiber Plates	535.82	
06 51 33 00-0089	EA	24" x 48", 0.197" Thickness, Carbon Fiber Plates	1,016.55	
06 51 33 00-0090	EA	38" x 48", 0.197" Thickness, Carbon Fiber Plates	1,544.02	
06 51 33 00-0091	EA	38" x 96", 0.197" Thickness, Carbon Fiber Plates	3,065.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 33 00-0092	EA	6" x 6", 1/4" Thickness, Carbon Fiber Plates	63.10	
06 51 33 00-0093	EA	6" x 12", 1/4" Thickness, Carbon Fiber Plates	113.88	
06 51 33 00-0094	EA	6" x 24", 1/4" Thickness, Carbon Fiber Plates	189.97	
06 51 33 00-0095	EA	12" x 12", 1/4" Thickness, Carbon Fiber Plates	189.97	
06 51 33 00-0096	EA	12" x 24", 1/4" Thickness, Carbon Fiber Plates	342.90	
06 51 33 00-0097	EA	12" x 48", 1/4" Thickness, Carbon Fiber Plates	655.42	
06 51 33 00-0098	EA	24" x 24", 1/4" Thickness, Carbon Fiber Plates	656.09	
06 51 33 00-0099	EA	24" x 48", 1/4" Thickness, Carbon Fiber Plates	1,249.49	
06 51 33 00-0100	EA	38" x 48", 1/4" Thickness, Carbon Fiber Plates	1,898.50	
06 51 33 00-0101	EA	38" x 96", 1/4" Thickness, Carbon Fiber Plates	3,772.94	

06 52 Plastic Structural Assemblies *(06 50)*

06 52 13 Plastic Columns *(06 52)*

06 52 13 00-0001 Round Fiberglass Columns *(06 52 13)*

06 52 13 00-0002	LF	6" Diameter, Round Fiberglass Column	19.20	7.33
06 52 13 00-0003	LF	8" Diameter, Round Fiberglass Column	27.28	10.66
06 52 13 00-0004	LF	10" Diameter, Round Fiberglass Column	31.45	11.99
06 52 13 00-0005	LF	12" Diameter, Round Fiberglass Column	37.52	12.55
06 52 13 00-0006	LF	15" Diameter, Round Fiberglass Column	45.33	14.50
06 52 13 00-0007	EA	6" Diameter, Base And Cap For Round Fiberglass Columns	36.81	13.88
06 52 13 00-0008	EA	8" Diameter, Base And Cap For Round Fiberglass Columns	40.54	14.99
06 52 13 00-0009	EA	10" Diameter, Base And Cap For Round Fiberglass Columns	47.20	16.66
06 52 13 00-0010	EA	12" Diameter, Base And Cap For Round Fiberglass Columns	62.21	17.77
06 52 13 00-0011	EA	15" Diameter, Base And Cap For Round Fiberglass Columns	81.61	19.44

06 52 13 00-0012 Fluted Fiberglass Columns *(06 52 13)*

06 52 13 00-0013	LF	6" Diameter, Fluted Fiberglass Column	20.08	7.33
06 52 13 00-0014	LF	8" Diameter, Fluted Fiberglass Column	28.46	10.66
06 52 13 00-0015	LF	10" Diameter, Fluted Fiberglass Column	32.94	11.99
06 52 13 00-0016	LF	12" Diameter, Fluted Fiberglass Column	40.02	12.55
06 52 13 00-0017	LF	15" Diameter, Fluted Fiberglass Column	48.60	14.55
06 52 13 00-0018	EA	6" Diameter, Base And Cap For Fluted Fiberglass Columns	38.61	13.88
06 52 13 00-0019	EA	8" Diameter, Base And Cap For Fluted Fiberglass Columns	42.65	14.99
06 52 13 00-0020	EA	10" Diameter, Base And Cap For Fluted Fiberglass Columns	49.98	16.66
06 52 13 00-0021	EA	12" Diameter, Base And Cap For Fluted Fiberglass Columns	67.55	17.77
06 52 13 00-0022	EA	15" Diameter, Base And Cap For Fluted Fiberglass Columns	90.16	19.44

06 52 13 00-0023 Ornamental Or Decorative Cap And Base For Fiberglass Columns *(06 52 13)*

06 52 13 00-0024	EA	8" Roman Ionic Cap And Base For Fiberglass Columns	128.89	16.66
06 52 13 00-0025	EA	10" Roman Ionic Cap And Base For Fiberglass Columns	170.14	19.44
06 52 13 00-0026	EA	12" Roman Ionic Cap And Base For Fiberglass Columns	216.21	22.21
06 52 13 00-0027	EA	8" Scamozzi Cap And Base For Fiberglass Columns	151.27	16.66
06 52 13 00-0028	EA	10" Scamozzi Cap And Base For Fiberglass Columns	181.63	19.44
06 52 13 00-0029	EA	12" Scamozzi Cap And Base For Fiberglass Columns	260.97	22.21
06 52 13 00-0030	EA	8" Corinthian Cap And Base For Fiberglass Columns	187.56	16.66
06 52 13 00-0031	EA	10" Corinthian Cap And Base For Fiberglass Columns	226.99	19.44
06 52 13 00-0032	EA	12" Corinthian Cap And Base For Fiberglass Columns	298.48	22.21
06 52 13 00-0033	EA	8" Temple Of Winds Cap And Base For Fiberglass Columns	130.70	16.66
06 52 13 00-0034	EA	10" Temple Of Winds Cap And Base For Fiberglass Columns	173.77	19.44
06 52 13 00-0035	EA	12" Temple Of Winds Cap And Base For Fiberglass Columns	219.84	22.21
06 52 13 00-0036	EA	8" Greek Erectheum Cap And Base For Fiberglass Columns	130.70	16.66
06 52 13 00-0037	EA	10" Greek Erectheum Cap And Base For Fiberglass Columns	156.83	19.44
06 52 13 00-0038	EA	12" Greek Erectheum Cap And Base For Fiberglass Columns	204.72	22.21

06 53 Plastic Decking *(06 50)*

06 53 16 Plastic Stair Treads *(06 53)*

06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads *(06 53 16)*

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF	1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	50.89	2.86
06 53 16 00-0003	LF	1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	69.08	3.43
06 53 16 00-0004	LF	2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer	90.82	3.78

06 60 Plastic Fabrications *(06)*

06 65 Plastic Trim *(06 60)*

06 65 00 00-0001 Plastic Moldings *(06 65)*

Note: All dimensions are nominal.

06 65 00 00-0002 Base, Plastic Moldings *(06 65 00 00-0001)*

06 65 00 00-0003	LF	3-1/2" High, Base, Plastic Molding	7.49	2.66
06 65 00 00-0004	LF	4-1/2" High, Base, Plastic Molding	9.15	3.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 65 00 00-0005	LF	3/4" x 1", Base Shoe, Plastic Molding	7.03	2.81
06 65 00 00-0006		**Cornice, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0007	LF	1" x 2" Cornice, Plastic Molding	6.95	2.66
06 65 00 00-0008	LF	1" x 4" Cornice, Plastic Molding	8.46	2.81
06 65 00 00-0009	LF	1" x 6" Cornice, Plastic Molding	11.34	2.94
06 65 00 00-0010	LF	1" x 8" Cornice, Plastic Molding	12.94	3.07
06 65 00 00-0011	LF	1" x 10" Cornice, Plastic Molding	14.80	3.20
06 65 00 00-0012	LF	1" x 12" Cornice, Plastic Molding	18.69	3.34
06 65 00 00-0013		**Crown Or Bed, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding	11.80	2.66
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding	15.72	3.34
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding	16.34	3.34
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding	16.96	3.34
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding	22.01	4.00
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding	25.86	4.00
06 65 00 00-0020		**Dentil, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding	10.15	2.66
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding	11.33	2.66
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding	13.98	2.66
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding	18.56	2.66
06 65 00 00-0025		**Cove, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding	3.99	1.47
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding	4.30	1.47
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding	5.62	1.73
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding	5.62	1.73
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding	7.00	1.73
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding	9.09	2.00
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding	12.00	2.00
06 65 00 00-0033		**Chair Rail, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding	6.58	2.00
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding	8.87	2.66
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding	10.66	2.66
06 65 00 00-0037		**Door, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding	5.86	2.40
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding	5.91	2.40
06 65 00 00-0040		**Trim, Plastic Moldings** *(06 65 00 00-0001)*		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding	6.23	2.81
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding	8.20	2.81
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding	7.89	2.66
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding	9.08	2.66
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding	6.73	2.66
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding	9.95	2.66
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding	7.38	2.66
06 65 00 00-0048		**Extruded Polyvinyl Chloride (PVC) Trimboard** *(06 65)* Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	4.78	1.07
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	6.83	1.20
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	8.93	1.34
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	10.75	1.36
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	12.74	1.40
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard	5.84	1.07
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard	8.47	1.20
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard	10.77	1.34
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard	13.26	1.36
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard	15.53	1.40
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	12.68	1.36
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board	16.79	1.40
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	8.89	1.20
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets	12.78	1.34

06 70 Structural Composites *(06)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 Composite Gratings *(06 70)*				
06 74 13 Fiberglass Reinforced Gratings *(06 74)*				
06 74 13 00-0001		Molded Fiberglass Gratings And Coverings *(06 74 13)*		
06 74 13 00-0002		Vi-Corr Resin System *(06 74 13 00-0001)*		
		Note: Orange or dark gray.		
06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top	46.27	2.06
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	44.94	2.06
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top	58.69	2.06
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top	63.53	2.64
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top	48.56	2.06
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	47.18	2.06
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top	62.00	2.06
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top	66.65	2.64
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering	43.85	1.65
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering	71.11	1.81
06 74 13 00-0013	SF	3/4 Vi-Corr Resin Polyester Resin, Fiberplate Covering	97.50	1.99
06 74 13 00-0014		IFR Fire Retardant Isophthalic Resin *(06 74 13 00-0001)*		
06 74 13 00-0015	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.54	2.06
06 74 13 00-0016	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	39.83	2.06
06 74 13 00-0017	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	51.30	2.06
06 74 13 00-0018	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	55.34	2.64
06 74 13 00-0019	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	44.42	2.06
06 74 13 00-0020	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	40.90	2.06
06 74 13 00-0021	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	55.73	2.64
06 74 13 00-0022	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	58.42	2.64
06 74 13 00-0023	SF	1/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	38.64	1.65
06 74 13 00-0024	SF	1/2" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	54.75	1.81
06 74 13 00-0025	SF	3/4" IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	75.25	1.99
06 74 13 00-0026		Corvex Polyester Resin *(06 74 13 00-0001)*		
		Note: Dark gray.		
06 74 13 00-0027	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	36.07	2.06
06 74 13 00-0028	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	34.64	2.06
06 74 13 00-0029	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	42.02	2.06
06 74 13 00-0030	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	48.30	2.64
06 74 13 00-0031	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	38.45	2.06
06 74 13 00-0032	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	37.00	2.06
06 74 13 00-0033	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	44.78	2.06
06 74 13 00-0034	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	50.66	2.64
06 74 13 00-0035	SF	1/4" Corvex Polyester Resin, Fiberplate Covering	34.11	1.65
06 74 13 00-0036	SF	1/2" Corvex Polyester Resin, Fiberplate Covering	54.51	1.81
06 74 13 00-0037	SF	3/4" Corvex Polyester Resin, Fiberplate Covering	75.65	1.99
06 74 13 00-0038		XFR Extra Fire Retardant *(06 74 13 00-0001)*		
06 74 13 00-0039	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	53.15	2.06
06 74 13 00-0040	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	51.60	2.06
06 74 13 00-0041	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	70.70	2.06
06 74 13 00-0042	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	75.51	2.64
06 74 13 00-0043	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	55.48	2.06
06 74 13 00-0044	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	53.96	2.06
06 74 13 00-0045	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	73.46	2.06
06 74 13 00-0046	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	78.85	2.64
06 74 13 00-0047	SF	1/4" XFR Extra Fire Retardant Resin, Fiberplate Covering	50.26	1.65
06 74 13 00-0048	SF	1/2" XFR Extra Fire Retardant Resin, Fiberplate Covering	81.36	1.81
06 74 13 00-0049		ELS Extremely Low Smoke Resin *(06 74 13 00-0001)*		
06 74 13 00-0050	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	54.51	2.06
06 74 13 00-0051	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	52.86	2.06
06 74 13 00-0052	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	68.80	2.06
06 74 13 00-0053	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Meniscus Top	73.71	2.64
06 74 13 00-0054	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	56.67	2.06
06 74 13 00-0055	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	55.31	2.06
06 74 13 00-0056	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	71.46	2.06
06 74 13 00-0057	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremity Low Smoke Resin, Applied Grit Top	76.40	2.64
06 74 13 00-0058	SF	1/4" ELS Extremity Low Smoke Resin, Fiberplate Covering	56.19	1.65
06 74 13 00-0059	SF	1/2 ELS Extremity Low Smoke Resin, Fiberplate Covering	101.43	1.81
06 74 13 00-0060		Pultruded Fiberglass Grating *(06 74 13)*		
06 74 13 00-0061		ISOFR Isophthalic Polyester Resin System *(06 74 13 00-0060)*		
		Note: For moderately corrosive environments, green.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0062		**1" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0063	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	38.71	2.64
06 74 13 00-0064	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	34.33	2.06
06 74 13 00-0065	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.80	2.64
06 74 13 00-0066	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	40.49	2.06
06 74 13 00-0067	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	30.15	2.64
06 74 13 00-0068	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	26.68	2.06
06 74 13 00-0069	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	34.57	2.64
06 74 13 00-0070	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	31.19	2.06
06 74 13 00-0071		**1-1/2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0072	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	43.75	2.64
06 74 13 00-0073	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	39.48	2.06
06 74 13 00-0074	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	49.20	2.64
06 74 13 00-0075	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.14	2.06
06 74 13 00-0076	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	38.43	2.64
06 74 13 00-0077	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	35.05	2.06
06 74 13 00-0078		**2" ISOFR Isophthalic Polyester Resin System** *(06 74 13 00-0061)*		
06 74 13 00-0079	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.89	2.64
06 74 13 00-0080	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	41.96	2.64
06 74 13 00-0081	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	50.78	2.64
06 74 13 00-0082	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin	47.90	2.64
06 74 13 00-0083		**VERF Vinyl Ester Resin System** *(06 74 13 00-0060)*		
06 74 13 00-0084		**1" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0085	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	41.00	2.06
06 74 13 00-0086	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.64	2.06
06 74 13 00-0087	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	46.14	2.06
06 74 13 00-0088	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	53.01	2.06
06 74 13 00-0089	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin	31.41	2.06
06 74 13 00-0090	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin	28.05	2.06
06 74 13 00-0091	SF	1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	36.10	2.06
06 74 13 00-0092	SF	1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	33.10	2.06
06 74 13 00-0093		**1-1/2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0094	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	45.04	2.06
06 74 13 00-0095	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	40.73	2.06
06 74 13 00-0096	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin	51.53	2.06
06 74 13 00-0097	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin	48.09	2.06
06 74 13 00-0098	SF	1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin	40.45	2.06
06 74 13 00-0099	SF	1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin	37.24	2.06
06 74 13 00-0100		**2" VERF Vinyl Ester Resin System** *(06 74 13 00-0083)*		
06 74 13 00-0101	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin	39.82	2.64
06 74 13 00-0102	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin	36.70	2.64
06 74 13 00-0103	SF	2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin	53.49	2.64
06 74 13 00-0104	SF	2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin	51.94	2.64

06 80 Composite Fabrications *(06)*

06 82 Composite Trim *(06 80)*

06 82 00 00-0001		**Fiberglass Castings** *(06 82)*		
06 82 00 00-0002		**Fiberglass Angle, Equal Legs** *(06 82 00 00-0001)*		
06 82 00 00-0003	LF	1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	9.86	3.43
06 82 00 00-0004	LF	1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	10.34	3.43
06 82 00 00-0005	LF	3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	18.53	4.12
06 82 00 00-0006	LF	3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	20.48	4.12
06 82 00 00-0007	LF	4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	20.60	4.12
06 82 00 00-0008	LF	4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin	22.01	4.12
06 82 00 00-0009	LF	4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	23.91	4.12
06 82 00 00-0010	LF	4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin	26.93	4.12
06 82 00 00-0011	LF	6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin	64.68	5.16
06 82 00 00-0012	LF	6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin	74.43	5.16
06 82 00 00-0013		**Fiberglass Channels** *(06 82 00 00-0001)*		
06 82 00 00-0014	LF	3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	11.39	5.16
06 82 00 00-0015	LF	3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	11.87	5.16
06 82 00 00-0016	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	23.94	5.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0017	LF	4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin	23.94	5.84
06 82 00 00-0018	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	37.62	5.84
06 82 00 00-0019	LF	6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	43.78	5.84
06 82 00 00-0020	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	35.33	5.84
06 82 00 00-0021	LF	8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin	42.73	5.84
06 82 00 00-0022	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin	53.82	8.02
06 82 00 00-0023	LF	10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin	61.75	8.02
06 82 00 00-0024		**Fiberglass Wide Flange Beams** *(06 82 00 00-0001)*		
06 82 00 00-0025	LF	4" x 4" x 1/4"Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	32.71	6.87
06 82 00 00-0026	LF	4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	35.79	6.87
06 82 00 00-0027	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	41.88	8.25
06 82 00 00-0028	LF	6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	43.35	8.25
06 82 00 00-0029	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	67.65	10.31
06 82 00 00-0030	LF	8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	84.97	10.31
06 82 00 00-0031	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin	150.60	12.60
06 82 00 00-0032	LF	10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin	169.54	12.60
06 82 00 00-0033		**Fiberglass Flat Sheet** *(06 82 00 00-0001)*		
		Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF	1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	27.03	5.84
06 82 00 00-0035	SF	1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	28.24	5.84
06 82 00 00-0036	SF	1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	42.55	6.87
06 82 00 00-0037	SF	1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	48.98	6.87
06 82 00 00-0038	SF	3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	57.77	8.25
06 82 00 00-0039	SF	3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	67.43	8.25
06 82 00 00-0040	SF	1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin	77.93	10.31
06 82 00 00-0041	SF	1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin	92.72	10.31
06 82 00 00-0042		**Fiberglass Bars** *(06 82 00 00-0001)*		
06 82 00 00-0043		**Square Bars** *(06 82 00 00-0042)*		
06 82 00 00-0044	LF	1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	16.06	4.12
06 82 00 00-0045	LF	1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin	23.08	6.07
06 82 00 00-0046	LF	1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin	27.06	8.02
06 82 00 00-0047		**Round Bars** *(06 82 00 00-0042)*		
06 82 00 00-0048	LF	1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	10.29	3.43
06 82 00 00-0049	LF	1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	22.15	5.16
06 82 00 00-0050	LF	1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin	25.08	5.16
06 82 00 00-0051	LF	1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	33.29	5.16
06 82 00 00-0052	LF	1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin	39.80	5.84
06 82 00 00-0053		**Fiberglass Tubes** *(06 82 00 00-0001)*		
06 82 00 00-0054		**Square Tube** *(06 82 00 00-0053)*		
06 82 00 00-0055	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	11.62	3.43
06 82 00 00-0056	LF	1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	12.56	3.43
06 82 00 00-0057	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	17.22	4.12
06 82 00 00-0058	LF	2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	18.89	4.12
06 82 00 00-0059	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	32.93	5.16
06 82 00 00-0060	LF	3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	36.80	5.16
06 82 00 00-0061	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin	38.75	6.18
06 82 00 00-0062	LF	4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin	49.52	6.18
06 82 00 00-0063		**Round Tube** *(06 82 00 00-0053)*		
06 82 00 00-0064	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	11.12	3.43
06 82 00 00-0065	LF	1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	11.55	3.43
06 82 00 00-0066	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin	20.94	4.12
06 82 00 00-0067	LF	2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin	22.36	4.12
06 82 00 00-0068		**Fiberglass Threaded Rods** *(06 82 00 00-0001)*		
06 82 00 00-0069	LF	3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	15.10	2.64
06 82 00 00-0070	LF	1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	16.08	2.64
06 82 00 00-0071	LF	5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	18.46	2.98
06 82 00 00-0072	LF	3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	20.35	2.98
06 82 00 00-0073	LF	1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin	22.51	2.98
06 82 00 00-0074		**Grating Support Legs, VEFR Resin** *(06 82 00 00-0001)*		
06 82 00 00-0075	EA	Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings	13.52	
06 82 00 00-0076	EA	Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings	5.79	
06 82 00 00-0077	EA	Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings	21.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0078		Fiberglass Netting *(06 82 00 00-0001)*		
06 82 00 00-0079	SF	1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0080	SF	1/2" x 2" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0081	SF	3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0082	SF	7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0083	SF	1" x 1" Mesh, Clear Flexible Fiberglass Netting	0.77	0.37
06 82 00 00-0084	SF	1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0085	SF	1/2" x 2" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0086	SF	3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0087	SF	7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0088	SF	1" x 1" Mesh, Green Flexible Fiberglass Netting	0.76	0.37
06 82 00 00-0089		Fiberglass Stair Treads *(06 82)*		
06 82 00 00-0090		Fiberglass Stair Treads *(06 82 00 00-0089)*		
06 82 00 00-0091		10-1/2" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0092	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	117.01	17.99
06 82 00 00-0093	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	137.31	17.99
06 82 00 00-0094	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	157.62	17.99
06 82 00 00-0095	EA	1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	177.92	17.99
06 82 00 00-0096	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	129.19	17.99
06 82 00 00-0097	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	152.54	17.99
06 82 00 00-0098	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0099	EA	1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	199.24	17.99
06 82 00 00-0100	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System	147.87	17.99
06 82 00 00-0101	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System	175.89	17.99
06 82 00 00-0102	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System	203.91	17.99
06 82 00 00-0103	EA	2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System	231.93	17.99
06 82 00 00-0104		12" Deep Isophthalic Resin System *(06 82 00 00-0090)*		
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	128.62	17.99
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	151.82	17.99
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	175.03	17.99
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	198.23	17.99
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	142.54	17.99
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	169.22	17.99
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	222.60	17.99
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System	163.89	17.99
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System	195.91	17.99
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System	227.94	17.99
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System	259.96	17.99
06 82 00 00-0117		Other Fiberglass *(06 82)*		
06 82 00 00-0118		Fiberglass Splash Blocks *(06 82 00 00-0117)*		
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block	19.09	3.69

06 83 Composite Paneling *(06 80)*

06 83 16 Fiberglass Reinforced Paneling *(06 83)*

06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels *(06 83 16)* Note: Includes adhesive and trim.		
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling Note: Including Adhesive And Trim	3.67	1.85

END OF SECTION 06

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 Thermal And Moisture Protection

07 01 Operation and Maintenance of Thermal and Moisture Protection *(07)*

07 01 50 Maintenance of Membrane Roofing *(07 01)*

07 01 50 19 Preparation for Re-Roofing *(07 01 50)*

07 01 50 19-0001 Preparation For Re-Roofing *(07 01 50 19)*

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal	84.46	
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal	147.76	

07 01 50 81 Roof Replacement *(07 01 50)*

07 01 50 81-0001 Roof Repair *(07 01 50 81)*

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	LF	Heat Weld Roofing Seams For Repair	6.86	

07 01 50 81-0003 Emergency Roof Patch *(07 01 50 81)*

Note: 4 Hour response time.

07 01 50 81-0004	EA	Mobilize For Emergency Roof Patching	659.17	
07 01 50 81-0005	EA	16 SF Granule Emergency Roof Patch Cover	82.86	

07 01 50 81-0006 Adhesives *(07 01 50 81)*

Note: For repair of seams.

07 01 50 81-0007 Mastic Sealer *(07 01 50 81-0006)*

07 01 50 81-0008 Applied At Joints Only *(07 01 50 81-0007)*

07 01 50 81-0009	LF	Mastic Sealer, 1/4" Bead At Joint For Roof Repair	4.36	1.87

07 01 50 91 Roofing Restoration *(07 01 50)*

07 01 50 91-0001 Pressure Wash Membrane Roofing *(07 01 50 91)*

07 01 50 91-0002	SF	Up To 2,500 PSI, Pressure Wash Membrane Roofing	0.22
		For Up To 100, Add	*0.17*
		For >100 To 250, Add	*0.08*
		For >250 To 500, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 15,000, Deduct	*-0.02*
		For >15,000 To 30,000, Deduct	*-0.03*
		For >30,000, Deduct	*-0.04*

07 01 60 Maintenance of Flashing and Sheet Metal *(07 01)*

07 01 60 91 Flashing and Sheet Metal Restoration *(07 01 60)*

07 01 60 91-0001 Re-connecting Downspouts To Gutters *(07 01 60 91)*

07 01 60 91-0002	EA	Re-connecting Existing Downspouts To Gutter With Fasteners	36.07	
07 01 60 91-0003	EA	Re-connecting Existing Downspouts To Gutter By Welding	60.38	

07 01 70 Operation and Maintenance of Roof Specialties and Accessories *(07 01)*

07 01 70 00-0001 Metal Roofing Edge Repair *(07 01 70)*

07 01 70 00-0002	LF	Cut Existing Metal Roofing Edge, 20 to 26 Gauge	4.72	
07 01 70 00-0003	LF	Cut Existing Metal Roofing Edge, 16 to 19 Gauge	5.90	
07 01 70 00-0004	LF	Cut Existing Metal Roofing Edge, 11 to 15 Gauge	6.75	

07 01 70 00-0005 Metal Roofing Repair *(07 01 70)*

07 01 70 00-0006	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, Up To 10 SF	23.22	
07 01 70 00-0007	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 11 To 25 SF	21.00	
07 01 70 00-0008	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 25 To 50 SF	19.30	
07 01 70 00-0009	SF	Roof Repair, 24 Gauge Galvanized Metal Standing Seam Roofing, 50 To 100 SF	18.13	

07 01 70 00-0010 Removal And Reinstallation Of Metal Coping *(07 01 70)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 01 70 00-0011	LF	Removal And Reinstallation Of Metal Coping	10.52	
		For Up To 25 LF, Add	*5.26*	
		For >25 To 100 LF, Add	*2.63*	
		For >1,000 LF, Deduct	*-1.05*	

07 05 Common Work Results for Thermal and Moisture Protection *(07)*

07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05)*

07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work *(07 05 13)*

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	1,320.43
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	987.95
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	660.22
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work	329.32

07 10 Dampproofing and Waterproofing *(07)*

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

07 11 Dampproofing *(07 10)*

07 11 13 Bituminous Dampproofing *(07 11)*

07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray *(07 11 13)*

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray	175.19
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing	263.08

07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On *(07 11 13)*

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On	306.58
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing	483.95

07 11 13 00-0007 Asphaltic Paint Dampproofing *(07 11 13)*

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On	138.38
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing	256.97

07 11 19 Sheet Dampproofing *(07 11)*

07 11 19 00-0001 Neoprene *(07 11 19)*

07 11 19 00-0002	SF	5 To 20 SF, 1/16" Patch Neoprene Roof	35.62

07 13 Sheet Waterproofing *(07 10)*

07 13 13 Bituminous Sheet Waterproofing *(07 13)*

07 13 13 00-0001 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped *(07 13 13)*

07 13 13 00-0002	CSF	1 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	316.66	106.78
		For 30 Lb. Felt, Add	*77.33*	
		For Application To Horizontal Surfaces, Deduct	*-32.03*	
07 13 13 00-0003	CSF	2 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	402.49	120.13
		For 30 Lb. Felt, Add	*121.68*	
		For Application To Horizontal Surfaces, Deduct	*-36.04*	
07 13 13 00-0004	CSF	3 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	488.32	133.47
		For 30 Lb. Felt, Add	*166.03*	
		For Application To Horizontal Surfaces, Deduct	*-40.04*	
07 13 13 00-0005	CSF	4 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	574.15	146.82
		For 30 Lb. Felt, Add	*210.38*	
		For Application To Horizontal Surfaces, Deduct	*-44.05*	
07 13 13 00-0006	CSF	5 Ply, 15 Lb. Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped	659.98	160.17
		For 30 Lb. Felt, Add	*254.74*	
		For Application To Horizontal Surfaces, Deduct	*-48.05*	

07 13 13 00-0007 Asphalt Coated Protective Board *(07 13 13)*

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board	258.42	105.80
		For Application To Horizontal Surfaces, Deduct	*-35.28*	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board	331.84	109.86
		For Application To Horizontal Surfaces, Deduct	*-36.62*	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board	420.23	114.48
		For Application To Horizontal Surfaces, Deduct	*-38.15*	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board	466.17	119.09
		For Application To Horizontal Surfaces, Deduct	*-39.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53		**Elastomeric Sheet Waterproofing** *(07 13)*		
07 13 53 00-0001		Rubberized Membrane Sheet *(07 13 53)*		
07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface	6.91	1.09
		For Floor Surfaces, Deduct	*-1.07*	
07 13 53 00-0003		Ethylene Propylene Diene Monomer (EPDM) *(07 13 53)*		
07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	461.93	154.72
		For Application To Horizontal Surfaces, Deduct	*-46.41*	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane	532.34	154.72
		For Application To Horizontal Surfaces, Deduct	*-46.41*	
07 13 53 00-0006		Butyl Sheet Waterproofing *(07 13 53)*		
07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing	102.00	38.68
		For Joint Taping, Add	*14.01*	
		For Each Additional Ply, Add	*75.28*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing	122.13	38.68
		For Joint Taping, Add	*15.02*	
		For Each Additional Ply, Add	*89.37*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0009		Butyl With Nylon *(07 13 53)*		
07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon	113.51	38.68
		For Joint Taping, Add	*14.59*	
		For Each Additional Ply, Add	*83.33*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon	126.45	38.68
		For Joint Taping, Add	*15.24*	
		For Each Additional Ply, Add	*92.39*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0012		Neoprene Sheet Waterproofing *(07 13 53)*		
07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing	179.70	38.68
		For Joint Taping, Add	*17.90*	
		For Each Additional Ply, Add	*129.67*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0014	CSF	1/16" Neoprene Sheet Waterproofing	265.36	38.68
		For Joint Taping, Add	*22.18*	
		For Each Additional Ply, Add	*189.63*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0015		Neoprene With Nylon *(07 13 53)*		
07 13 53 00-0016	CSF	1/32" Neoprene Elastomeric Waterproofing With Nylon	188.64	38.68
		For Joint Taping, Add	*18.35*	
		For Each Additional Ply, Add	*135.92*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0017	CSF	1/16" Neoprene Elastomeric Waterproofing With Nylon	279.64	38.68
		For Joint Taping, Add	*22.90*	
		For Each Additional Ply, Add	*199.62*	
		For Application To Horizontal Surfaces, Deduct	*-5.81*	
07 13 53 00-0018		Plastic Vapor Barrier (Polyethylene) *(07 13 53)*		
07 13 53 00-0019	CSF	4 Mil Polyethylene Vapor Barrier	43.54	16.28
		For Joint Taping, Add	*10.46*	
		For Each Additional Ply, Add	*34.08*	
		For Application To Horizontal Surfaces, Deduct	*-5.40*	
07 13 53 00-0020	CSF	6 Mil Polyethylene Vapor Barrier	45.13	16.28
		For Joint Taping, Add	*10.54*	
		For Each Additional Ply, Add	*35.19*	
		For Application To Horizontal Surfaces, Deduct	*-5.40*	
07 13 53 00-0021	CSF	10 Mil Polyethylene Vapor Barrier	72.22	16.28
		For Joint Taping, Add	*11.90*	
		For Each Additional Ply, Add	*54.16*	
		For Application To Horizontal Surfaces, Deduct	*-5.40*	
07 13 53 00-0022	CSF	60 Mil Polyethylene Vapor Barrier With Bentonite	151.47	16.28
		Note: Includes seam tape, liquid mastic, anchors and termination bar.		
		For Each Additional Ply, Add	*110.03*	
		For Application To Horizontal Surfaces, Deduct	*-6.00*	
07 13 53 00-0023		Polyvinyl Chloride (PVC) Vapor Barrier *(07 13 53)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0024	CSF	10 Mil Polyvinyl Chloride (PVC) Vapor Barrier	59.58	18.01
		For Joint Taping, Add	*11.26*	
		For Each Additional Ply, Add	*45.31*	
		For Application To Horizontal Surfaces, Deduct	*-5.40*	
07 13 53 00-0025	CSF	20 Mil Polyvinyl Chloride (PVC) Vapor Barrier	78.09	18.68
		For Joint Taping, Add	*12.50*	
		For Each Additional Ply, Add	*58.40*	
		For Application To Horizontal Surfaces, Deduct	*-5.61*	
07 13 53 00-0026	CSF	30 Mil Polyvinyl Chloride (PVC) Vapor Barrier	102.95	19.34
		For Joint Taping, Add	*14.05*	
		For Each Additional Ply, Add	*75.93*	
		For Application To Horizontal Surfaces, Deduct	*-5.80*	
07 13 53 00-0027		Vinyl Plastic Vapor Barrier *(07 13 53)*		
07 13 53 00-0028	CSF	4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4)	52.11	16.68

07 14 Fluid-Applied Waterproofing *(07 10)*

07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing *(07 14)*

07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating *(07 14 13)*

07 14 13 00-0002	SF	90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.41	
		For Application To Horizontal Surfaces, Deduct	*-0.20*	
		For Reinforcing Fabric, Add	*0.56*	
07 14 13 00-0003	SF	125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface Note: Includes primer.	2.86	
		For Application To Horizontal Surfaces, Deduct	*-0.21*	
		For Reinforcing Fabric, Add	*0.56*	

07 14 16 Cold Fluid-Applied Waterproofing *(07 14)*

07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane *(07 14 16)*

07 14 16 00-0002	SF	60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	3.95	
		For Application To Horizontal Surfaces, Deduct	*-0.47*	
07 14 16 00-0003	SF	90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	4.53	
		For Application To Horizontal Surfaces, Deduct	*-0.49*	
07 14 16 00-0004	SF	120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing	5.16	
		For Application To Horizontal Surfaces, Deduct	*-0.52*	

07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer *(07 14 16)*

07 14 16 00-0006	SF	15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer	2.89	

07 14 16 00-0007 Copolymer Compound *(07 14 16)*

07 14 16 00-0008	SF	32 Mil, Fluid Elastomeric Copolymer Compound For Slabs	4.44	

07 14 16 00-0009 Fluid Applied Neoprene *(07 14 16)*

07 14 16 00-0010	CSF	1/8" Fiberglass Reinforced, Fluid Applied Neoprene	540.90	
		For Application To Horizontal Surfaces, Deduct	*-56.36*	
07 14 16 00-0011	CSF	50 Mil, 4 Coats, Fluid Applied Neoprene	1,008.09	
		For Application To Horizontal Surfaces, Deduct	*-110.57*	
07 14 16 00-0012	CSF	90 Mil, 4 Coats, Fluid Applied Neoprene	1,647.04	
		For Application To Horizontal Surfaces, Deduct	*-165.77*	

07 16 Cementitious and Reactive Waterproofing *(07 10)*

07 16 13 Polymer Modified Cement Waterproofing *(07 16)*

07 16 13 00-0001	SF	Polymer Modified Cementitious Waterproofing Assembly, 2 Coats Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.	5.03	

07 16 16 Crystalline Waterproofing *(07 16)*

07 16 16 00-0001	SF	Crystalline Cementitious Waterproofing. 2 Coats (Xypex Concentrate)	6.11	

07 16 19 Metal Oxide Waterproofing *(07 16)*

07 16 19 00-0001 Metallic Oxide Waterproofing *(07 16 19)*
Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.

07 16 19 00-0002	CSF	Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller)	543.13	
		For Application To Horizontal Surfaces, Deduct	*-68.56*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 19 Water Repellents *(07 10)*

07 19 13 Acrylic Sealer *(07 19)*

Note: Per coat.

07 19 13 00-0001	SF	Spray On Concrete, Acrylic Sealer	2.43	
07 19 13 00-0002	SF	Spray On Concrete Block/Brick, Acrylic Sealer	2.89	
07 19 13 00-0003	SF	Spray On Stone, Acrylic Sealer	3.18	

07 19 16 Silane Water Repellents *(07 19)*

07 19 16 00-0001 Silane Concrete Sealer *(07 19 16)*

07 19 16 00-0002	SF	Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	0.74	
07 19 16 00-0003	SF	Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB)	1.09	

07 19 16 00-0004 Silane/Siloxane Concrete Sealer *(07 19 16)*

07 19 16 00-0005	SF	Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.36	
07 19 16 00-0006	SF	Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) Note: 40% silane, alcohol based.	1.99	
07 19 16 00-0007	SF	Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) Note: 200 SF/GAL	0.52	
07 19 16 00-0008	SF	Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB)	0.77	

07 20 Thermal Protection *(07)*

07 21 Thermal Insulation *(07 20)*

07 21 13 Board Insulation *(07 21)*

Note: Types are stock sizes, mastic applied.

07 21 13 13 Foam Board Insulation *(07 21 13)*

07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation *(07 21 13 13)*

07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	4.34	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	6.06	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	7.21	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied	9.51	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	1.95	0.45
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.02	0.45
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.30	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	2.57	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	3.69	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	4.80	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	5.92	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	7.03	0.50
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied	8.15	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	

07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0001)*

Note: 15 PSI compressive strength.

07 21 13 13-0018	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.23	0.45
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For 40 PSI Compressive Strength, Add	*0.56*	
		For 60 PSI Compressive Strength, Add	*0.89*	
		For 115 PSI Compressive Strength, Add	*3.85*	
07 21 13 13-0019	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.61	0.45
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For 40 PSI Compressive Strength, Add	*0.70*	
		For 60 PSI Compressive Strength, Add	*1.11*	
		For 115 PSI Compressive Strength, Add	*4.83*	
07 21 13 13-0020	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.92	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.29*	
		For 115 PSI Compressive Strength, Add	*5.63*	
07 21 13 13-0021	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	2.97	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.32*	
		For 115 PSI Compressive Strength, Add	*5.76*	
07 21 13 13-0022	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	4.49	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.19*	
		For 115 PSI Compressive Strength, Add	*9.61*	
07 21 13 13-0023	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.01	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.06*	
		For 115 PSI Compressive Strength, Add	*13.47*	
07 21 13 13-0024	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied	6.78	0.49
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.50*	
		For 115 PSI Compressive Strength, Add	*15.40*	

07 21 13 13-0025 Mechanically Fastened Foam Board Insulation *(07 21 13 13)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation *(07 21 13 13-0025)*

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	4.30	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0028	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	6.12	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0029	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	7.27	0.47
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened	9.66	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0031		Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.89	0.45
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	1.96	0.45
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.23	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	2.53	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	3.75	0.47
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	4.97	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	6.23	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	7.55	0.50
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Gypsum, Add	*2.36*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*7.62*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS)	8.96	0.52
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 21 13 13-0041		Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation *(07 21 13 13-0025)*		
		Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.17	0.45
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For 40 PSI Compressive Strength, Add	*0.48*	
		For 60 PSI Compressive Strength, Add	*0.78*	
		For 115 PSI Compressive Strength, Add	*3.35*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.55	0.45
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.26*	
		For 40 PSI Compressive Strength, Add	*0.63*	
		For 60 PSI Compressive Strength, Add	*1.00*	
		For 115 PSI Compressive Strength, Add	*4.33*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.86	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.74*	
		For 60 PSI Compressive Strength, Add	*1.18*	
		For 115 PSI Compressive Strength, Add	*5.13*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	2.93	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.21*	
		For 115 PSI Compressive Strength, Add	*5.26*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	4.55	0.47
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.37*	
		For 60 PSI Compressive Strength, Add	*2.14*	
		For 115 PSI Compressive Strength, Add	*9.35*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	6.17	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.97*	
		For 60 PSI Compressive Strength, Add	*3.06*	
		For 115 PSI Compressive Strength, Add	*13.44*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	7.09	0.49
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For 25 PSI Compressive Strength, Add	*0.98*	
		For 40 PSI Compressive Strength, Add	*2.32*	
		For 60 PSI Compressive Strength, Add	*3.59*	
		For 115 PSI Compressive Strength, Add	*15.78*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.29*	

07 21 13 16 Fibrous Board Insulation *(07 21 13)*

07 21 13 16-0001 Cold Adhesive Applied Fibrous Board Insulation *(07 21 13 16)*

07 21 13 16-0002 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	2.81	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	4.12	0.69
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	5.43	0.80
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0006 Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0001)*

07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.00	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	5.91	0.46
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	7.30	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	8.42	0.47
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	9.54	0.48
		For Horizontal Surface Application, Deduct	*-0.08*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

07 21 13 16-0012 Mechanically Fastened Fibrous Board Insulation *(07 21 13 16)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0013 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

07 21 13 16-0014	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	2.61	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 16-0015	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	4.01	0.69
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 21 13 16-0016	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened	5.41	0.80
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

07 21 13 16-0017 Mechanically Fastened, Fiberglass, Fibrous Board Insulation *(07 21 13 16-0012)*

Note: Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 16-0018	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	4.96	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 16-0019	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	5.97	0.46
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 16-0020	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	7.35	0.47
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 21 13 16-0021	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	8.59	0.47
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, Add	*1.95*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 21 13 16-0022	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened	9.70	0.48
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

07 21 13 19 Mineral Board Insulation *(07 21 13)*

07 21 13 19-0001 Cold Adhesive Applied Mineral Board Insulation *(07 21 13 19)*

07 21 13 19-0002 Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation *(07 21 13 19-0001)*

07 21 13 19-0003	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.13	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0004	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.53	0.54
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0005	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	2.94	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0006	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	3.66	0.63
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 19-0007	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	4.39	0.69
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0008	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied	5.84	0.80
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
07 21 13 19-0009		Mechanically Fastened Mineral Board Insulation *(07 21 13 19)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 19-0010		Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation *(07 21 13 19-0009)*		
		Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF	1/2" Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	1.92	0.52
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 19-0012	SF	25/32" Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.33	0.54
		For Horizontal Surface Application, Deduct	*-0.09*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	2.74	0.57
		For Horizontal Surface Application, Deduct	*-0.10*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.05*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.08*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	3.55	0.63
		For Horizontal Surface Application, Deduct	*-0.11*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	4.28	0.69
		For Horizontal Surface Application, Deduct	*-0.12*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened	5.82	0.80
		For Horizontal Surface Application, Deduct	*-0.14*	
		For Vapor Barrier, Integral With Insulation, Add	*0.05*	
		For Factory Painted On One Surface Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 21 16 Blanket Insulation *(07 21)*

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

07 21 16 00-0001 Fiberglass Flexible Insulation *(07 21 16)*

Note: Rolls or batts.

07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation	1.62	0.50
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation	1.75	0.50
		For >1,600, Deduct	*-0.20*	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation	1.79	0.50
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation	2.39	0.50
		For >1,600, Deduct	*-0.32*	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation	2.03	0.50
		For >1,600, Deduct	*-0.24*	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation	2.81	0.63
		For >1,600, Deduct	*-0.38*	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation	3.18	0.63
		For >1,600, Deduct	*-0.42*	

07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation	1.54	0.50
		For >1,600, Deduct	*-0.16*	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation	1.69	0.50
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation	2.12	0.50
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation	2.30	0.50
		For >1,600, Deduct	*-0.31*	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation	2.39	0.50
		For >1,600, Deduct	*-0.32*	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation	2.64	0.63
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation	3.08	0.63
		For >1,600, Deduct	*-0.40*	

07 21 16 00-0018 Foil Faced, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0019	SF	3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation	1.85	0.50
		For >1,600, Deduct	*-0.22*	
07 21 16 00-0020	SF	3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation	2.07	0.50
		For >1,600, Deduct	*-0.27*	
07 21 16 00-0021	SF	6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation	2.32	0.50
		For >1,600, Deduct	*-0.30*	
07 21 16 00-0022	SF	10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.28	0.63
		For >1,600, Deduct	*-0.45*	
07 21 16 00-0023	SF	12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation	3.58	0.63
		For >1,600, Deduct	*-0.50*	

07 21 16 00-0024 Poly-Encapsulated, Fiberglass Flexible Insulation *(07 21 16 00-0001)*

07 21 16 00-0025	SF	3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation	1.66	0.50
		For >1,600, Deduct	*-0.18*	
07 21 16 00-0026	SF	3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation	1.79	0.50
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0027	SF	5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation	2.47	0.50
		For >1,600, Deduct	*-0.34*	
07 21 16 00-0028	SF	6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation	2.05	0.50
		For >1,600, Deduct	*-0.25*	
07 21 16 00-0029	SF	8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation	2.73	0.63
		For >1,600, Deduct	*-0.37*	
07 21 16 00-0030	SF	10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation	3.08	0.63
		For >1,600, Deduct	*-0.40*	

07 21 16 00-0031 Mineral Wool Flexible Insulation *(07 21 16)*

07 21 16 00-0032 Kraft Faced, Mineral Wool Flexible Insulation *(07 21 16 00-0031)*

07 21 16 00-0033	SF	3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation	1.81	0.50
		For >1,600, Deduct	*-0.21*	
07 21 16 00-0034	SF	6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation	2.42	0.50
		For >1,600, Deduct	*-0.32*	
07 21 16 00-0035	SF	9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation	3.76	0.50
		For >1,600, Deduct	*-0.57*	
07 21 16 00-0036	SF	12" Kraft Faced, R-38 Mineral Wool Flexible Insulation	4.47	0.50
		For >1,600, Deduct	*-0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 16 00-0037		**Unfaced, Mineral Wool Flexible Insulation** *(07 21 16 00-0031)*		
07 21 16 00-0038	SF	3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation	1.69	0.50
		For >1,600, Deduct	*-0.19*	
07 21 16 00-0039	SF	6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation	2.22	0.50
		For >1,600, Deduct	*-0.28*	
07 21 16 00-0040	SF	9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation	3.38	0.50
		For >1,600, Deduct	*-0.49*	
07 21 16 00-0041	SF	12" Unfaced, R-38 Mineral Wool Flexible Insulation	4.01	0.50
		For >1,600, Deduct	*-0.59*	
07 21 16 00-0042		**Natural Cotton Insulation** *(07 21 16)*		
07 21 16 00-0043		**UltraTouch™ Natural Cotton Insulation** *(07 21 16 00-0042)*		
		Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF	3-1/2", R-13 UltraTouch™ Natural Cotton Insulation	2.47	0.50
		For >1,600, Deduct	*-0.35*	
07 21 16 00-0045	SF	5-1/2", R-19 UltraTouch™ Natural Cotton Insulation	2.77	0.50
		For >1,600, Deduct	*-0.40*	
07 21 16 00-0046	SF	5-1/2", R-21 UltraTouch™ Natural Cotton Insulation	3.09	0.50
		For >1,600, Deduct	*-0.46*	
07 21 16 00-0047	SF	8", R-30 UltraTouch™ Natural Cotton Insulation	4.11	0.50
		For >1,600, Deduct	*-0.65*	
07 21 19		**Foamed-In-Place Insulation** *(07 21)*		
07 21 19 00-0001		**Polyurethane Foam Insulation, Sprayed On** *(07 21 19)*		
07 21 19 00-0002	EA	Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge	1,569.28	
		Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
07 21 19 00-0003	SF	1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	1.60	
		For Up To 250 SF, Add	*0.61*	
		For >250 To 500 SF, Add	*0.30*	
		For >500 To 1,000 SF, Add	*0.13*	
		For >5,000 To 10,000 SF, Deduct	*-0.19*	
		For >10,000 SF, Deduct	*-0.48*	
07 21 19 00-0004	SF	1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.17	
		For Up To 250 SF, Add	*0.80*	
		For >250 To 500 SF, Add	*0.40*	
		For >500 To 1,000 SF, Add	*0.17*	
		For >5,000 To 10,000 SF, Deduct	*-0.25*	
		For >10,000 SF, Deduct	*-0.63*	
07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	2.72	
		For Up To 250 SF, Add	*0.98*	
		For >250 To 500 SF, Add	*0.49*	
		For >500 To 1,000 SF, Add	*0.21*	
		For >5,000 To 10,000 SF, Deduct	*-0.31*	
		For >10,000 SF, Deduct	*-0.77*	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.27	
		For Up To 250 SF, Add	*1.16*	
		For >250 To 500 SF, Add	*0.58*	
		For >500 To 1,000 SF, Add	*0.25*	
		For >5,000 To 10,000 SF, Deduct	*-0.37*	
		For >10,000 SF, Deduct	*-0.91*	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	3.83	
		For Up To 250 SF, Add	*1.34*	
		For >250 To 500 SF, Add	*0.67*	
		For >500 To 1,000 SF, Add	*0.29*	
		For >5,000 To 10,000 SF, Deduct	*-0.43*	
		For >10,000 SF, Deduct	*-1.05*	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.39	
		For Up To 250 SF, Add	*1.53*	
		For >250 To 500 SF, Add	*0.76*	
		For >500 To 1,000 SF, Add	*0.33*	
		For >5,000 To 10,000 SF, Deduct	*-0.49*	
		For >10,000 SF, Deduct	*-1.20*	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	4.95	
		For Up To 250 SF, Add	*1.71*	
		For >250 To 500 SF, Add	*0.86*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.55*	
		For >10,000 SF, Deduct	*-1.34*	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	5.51	
		For Up To 250 SF, Add	*1.89*	
		For >250 To 500 SF, Add	*0.95*	
		For >500 To 1,000 SF, Add	*0.41*	
		For >5,000 To 10,000 SF, Deduct	*-0.61*	
		For >10,000 SF, Deduct	*-1.49*	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.07	
		For Up To 250 SF, Add	*2.08*	
		For >250 To 500 SF, Add	*1.04*	
		For >500 To 1,000 SF, Add	*0.45*	
		For >5,000 To 10,000 SF, Deduct	*-0.67*	
		For >10,000 SF, Deduct	*-1.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	6.64	
		For Up To 250 SF, Add	*2.27*	
		For >250 To 500 SF, Add	*1.13*	
		For >500 To 1,000 SF, Add	*0.49*	
		For >5,000 To 10,000 SF, Deduct	*-0.73*	
		For >10,000 SF, Deduct	*-1.78*	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation	7.20	
		For Up To 250 SF, Add	*2.45*	
		For >250 To 500 SF, Add	*1.23*	
		For >500 To 1,000 SF, Add	*0.53*	
		For >5,000 To 10,000 SF, Deduct	*-0.79*	
		For >10,000 SF, Deduct	*-1.92*	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	3.08	
		For Up To 250 SF, Add	*1.16*	
		For >250 To 500 SF, Add	*0.58*	
		For >500 To 1,000 SF, Add	*0.24*	
		For >5,000 To 10,000 SF, Deduct	*-0.37*	
		For >10,000 SF, Deduct	*-0.91*	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.07	
		For Up To 250 SF, Add	*1.46*	
		For >250 To 500 SF, Add	*0.73*	
		For >500 To 1,000 SF, Add	*0.31*	
		For >5,000 To 10,000 SF, Deduct	*-0.47*	
		For >10,000 SF, Deduct	*-1.15*	
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	4.95	
		For Up To 250 SF, Add	*1.71*	
		For >250 To 500 SF, Add	*0.86*	
		For >500 To 1,000 SF, Add	*0.37*	
		For >5,000 To 10,000 SF, Deduct	*-0.55*	
		For >10,000 SF, Deduct	*-1.34*	
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	5.95	
		For Up To 250 SF, Add	*2.02*	
		For >250 To 500 SF, Add	*1.01*	
		For >500 To 1,000 SF, Add	*0.44*	
		For >5,000 To 10,000 SF, Deduct	*-0.65*	
		For >10,000 SF, Deduct	*-1.58*	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	6.83	
		For Up To 250 SF, Add	*2.27*	
		For >250 To 500 SF, Add	*1.13*	
		For >500 To 1,000 SF, Add	*0.49*	
		For >5,000 To 10,000 SF, Deduct	*-0.74*	
		For >10,000 SF, Deduct	*-1.77*	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	7.84	
		For Up To 250 SF, Add	*2.58*	
		For >250 To 500 SF, Add	*1.29*	
		For >500 To 1,000 SF, Add	*0.56*	
		For >5,000 To 10,000 SF, Deduct	*-0.84*	
		For >10,000 SF, Deduct	*-2.02*	
07 21 19 00-0020	SF	4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	8.71	
		For Up To 250 SF, Add	*2.83*	
		For >250 To 500 SF, Add	*1.41*	
		For >500 To 1,000 SF, Add	*0.62*	
		For >5,000 To 10,000 SF, Deduct	*-0.92*	
		For >10,000 SF, Deduct	*-2.21*	
07 21 19 00-0021	SF	4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	9.71	
		For Up To 250 SF, Add	*3.13*	
		For >250 To 500 SF, Add	*1.57*	
		For >500 To 1,000 SF, Add	*0.68*	
		For >5,000 To 10,000 SF, Deduct	*-1.03*	
		For >10,000 SF, Deduct	*-2.45*	
07 21 19 00-0022	SF	5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	10.58	
		For Up To 250 SF, Add	*3.38*	
		For >250 To 500 SF, Add	*1.69*	
		For >500 To 1,000 SF, Add	*0.74*	
		For >5,000 To 10,000 SF, Deduct	*-1.11*	
		For >10,000 SF, Deduct	*-2.64*	
07 21 19 00-0023	SF	5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	11.58	
		For Up To 250 SF, Add	*3.68*	
		For >250 To 500 SF, Add	*1.84*	
		For >500 To 1,000 SF, Add	*0.81*	
		For >5,000 To 10,000 SF, Deduct	*-1.21*	
		For >10,000 SF, Deduct	*-2.88*	
07 21 19 00-0024	SF	6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation	12.46	
		For Up To 250 SF, Add	*3.93*	
		For >250 To 500 SF, Add	*1.97*	
		For >500 To 1,000 SF, Add	*0.86*	
		For >5,000 To 10,000 SF, Deduct	*-1.29*	
		For >10,000 SF, Deduct	*-3.07*	

07 21 19 00-0025 Expanding Foam Insulation To Fill Hollow Metal Door Frames *(07 21 19)*

07 21 19 00-0026	LF	Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame	5.56
07 21 19 00-0027	LF	Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame	6.93
07 21 19 00-0028	LF	Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame	8.32
07 21 19 00-0029	LF	Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame	9.76
07 21 19 00-0030	LF	Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame	11.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0031		Expanding Foam Insulation To Fill Window Frames *(07 21 19)*		
07 21 19 00-0032	LF	Expanding Foam Insulation To Fill Window Frame	5.45	
07 21 23		**Loose-Fill Insulation** *(07 21)*		
07 21 23 00-0001		Poured Type, Loose Fill Insulation *(07 21 23)*		
07 21 23 00-0002	CF	R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation	7.54	2.90
07 21 23 00-0003	CF	R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation	8.03	2.90
07 21 23 00-0004		Concrete Block Wall Cavity Insulation *(07 21 23)*		
07 21 23 00-0005	CF	R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation	10.43	2.90
07 21 23 00-0006	CF	R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation	10.34	2.90
07 21 26		**Blown Insulation** *(07 21)*		
07 21 26 00-0001		Fiberglass Blown-In Insulation *(07 21 26)*		
07 21 26 00-0002		Attic, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0003	SF	4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation	1.59	1.26
07 21 26 00-0004	SF	5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation	1.77	1.38
07 21 26 00-0005	SF	6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation	1.97	1.51
07 21 26 00-0006	SF	7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation	2.20	1.63
07 21 26 00-0007	SF	8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation	2.35	1.70
07 21 26 00-0008	SF	10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation	2.53	1.75
07 21 26 00-0009	SF	11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation	2.74	1.82
07 21 26 00-0010	SF	12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation	2.87	1.88
07 21 26 00-0011	SF	13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation	3.08	2.00
07 21 26 00-0012	SF	14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation	3.26	2.07
07 21 26 00-0013	SF	16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation	3.52	2.14
07 21 26 00-0014	SF	18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation	3.82	2.26
07 21 26 00-0015	SF	21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation	4.43	2.51
07 21 26 00-0016		New Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)*		
07 21 26 00-0017	SF	3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation	2.38	1.26
07 21 26 00-0018	SF	5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation	3.19	1.51
07 21 26 00-0019	SF	7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation	3.79	1.63
07 21 26 00-0020	SF	9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation	4.53	1.75
07 21 26 00-0021		Existing Wall, Fiberglass Blown-In Insulation *(07 21 26 00-0001)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF	3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation	2.26	1.26
07 21 26 00-0023	SF	5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation	3.07	1.51
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation	3.67	1.63
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation	4.41	1.75
07 21 26 00-0026		Cellulose Blown-In Insulation *(07 21 26)*		
07 21 26 00-0027		Attic, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation	1.68	1.26
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation	2.02	1.38
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation	2.26	1.51
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation	2.64	1.63
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation	2.70	1.63
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation	3.15	1.75
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation	3.24	1.75
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation	3.55	1.88
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation	3.79	1.88
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation	4.09	2.00
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation	4.32	2.00
07 21 26 00-0039		New Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)*		
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation	2.28	1.26
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation	3.04	1.51
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation	3.58	1.63
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation	4.24	1.75
07 21 26 00-0044		Existing Wall, Cellulose Blown-In Insulation *(07 21 26 00-0026)* Note: Includes drilling. Excludes patching.		
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation	2.15	1.26
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation	2.92	1.51
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation	3.46	1.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation	4.12	1.75

07 21 29 Sprayed Insulation *(07 21)*

07 21 29 00-0001 Fiber Sprayed On Insulation *(07 21 29)*
Note: Per each 1" of thickness.

07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation	2.69	0.77
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation	1.96	0.77

07 21 29 00-0004 Cellulose Sprayed On Insulation *(07 21 29)*

07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation	3.85	0.77

07 21 53 Reflective Insulation *(07 21)*

07 21 53 00-0001 Reflective Barrier Insulation (Foil - Single Bubble - Foil) *(07 21 53)*

07 21 53 00-0002	SF	3/16" Nominal Thickness, Reflective Barrier Insulation, With Single Bubble Air Space	1.23	

07 22 Roof and Deck Insulation *(07 20)*

07 22 16 Roof Board Insulation *(07 22)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.

07 22 16 00-0001 Rigid Board Roofing Insulation *(07 22 16)*
Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0002 Cold Adhesive Applied Rigid Board Roofing Insulation *(07 22 16 00-0001)*

07 22 16 00-0003 Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.45	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	2.88	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	3.29	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.05	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied	4.82	

07 22 16 00-0009 Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	2.67	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied	3.16	

07 22 16 00-0012 Cold Adhesive Applied, Perlite, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.40	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.40	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.65	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied	2.96	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied	3.70	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied	4.19	

07 22 16 00-0019 Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0020	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	3.37	
07 22 16 00-0021	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	4.56	
07 22 16 00-0022	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied	5.96	

07 22 16 00-0023 Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0024	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	6.35	
07 22 16 00-0025	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	7.51	
07 22 16 00-0026	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	9.81	
07 22 16 00-0027	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied	12.92	

07 22 16 00-0028 Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

07 22 16 00-0029	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.46	
		For Loose-Laid, Deduct	*-1.34*	
07 22 16 00-0030	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.53	
		For Loose-Laid, Deduct	*-1.34*	
07 22 16 00-0031	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	2.82	
		For Loose-Laid, Deduct	*-1.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0032	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	3.09	
		For Loose-Laid, Deduct	*-1.34*	
07 22 16 00-0033	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	4.23	
		For Loose-Laid, Deduct	*-1.36*	
07 22 16 00-0034	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	5.35	
		For Loose-Laid, Deduct	*-1.38*	
07 22 16 00-0035	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	6.48	
		For Loose-Laid, Deduct	*-1.39*	
07 22 16 00-0036	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	7.60	
		For Loose-Laid, Deduct	*-1.41*	
07 22 16 00-0037	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied	8.73	
		For Loose-Laid, Deduct	*-1.42*	

07 22 16 00-0038 Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0002)*

Note: 15 PSI compressive strength.

07 22 16 00-0039	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.20	
		For Loose-Laid, Deduct	*-1.22*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.82*	
		For 60 PSI Compressive Strength, Add	*1.30*	
		For 115 PSI Compressive Strength, Add	*5.66*	
07 22 16 00-0040	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	3.26	
		For Loose-Laid, Deduct	*-1.23*	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For 40 PSI Compressive Strength, Add	*0.84*	
		For 60 PSI Compressive Strength, Add	*1.33*	
		For 115 PSI Compressive Strength, Add	*5.78*	
07 22 16 00-0041	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.19	
		For Loose-Laid, Deduct	*-1.23*	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For 40 PSI Compressive Strength, Add	*1.19*	
		For 60 PSI Compressive Strength, Add	*1.87*	
		For 100 PSI Compressive Strength, Add	*2.41*	
		For 115 PSI Compressive Strength, Add	*8.17*	
07 22 16 00-0042	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	4.79	
		For Loose-Laid, Deduct	*-1.24*	
		For 25 PSI Compressive Strength, Add	*0.59*	
		For 40 PSI Compressive Strength, Add	*1.41*	
		For 60 PSI Compressive Strength, Add	*2.21*	
		For 115 PSI Compressive Strength, Add	*9.64*	
07 22 16 00-0043	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	5.83	
		For Loose-Laid, Deduct	*-1.24*	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.81*	
		For 60 PSI Compressive Strength, Add	*2.81*	
		For 100 PSI Compressive Strength, Add	*3.62*	
		For 115 PSI Compressive Strength, Add	*12.32*	
07 22 16 00-0044	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	6.31	
		For Loose-Laid, Deduct	*-1.25*	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.98*	
		For 60 PSI Compressive Strength, Add	*3.08*	
		For 115 PSI Compressive Strength, Add	*13.50*	
07 22 16 00-0045	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied	7.09	
		For Loose-Laid, Deduct	*-1.27*	
		For 25 PSI Compressive Strength, Add	*0.95*	
		For 40 PSI Compressive Strength, Add	*2.26*	
		For 60 PSI Compressive Strength, Add	*3.51*	
		For 115 PSI Compressive Strength, Add	*15.43*	

07 22 16 00-0046 Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0002)*

07 22 16 00-0047	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.86	
		For Loose-Laid, Deduct	*-1.22*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.18*	
07 22 16 00-0048	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	2.97	
		For Loose-Laid, Deduct	*-1.23*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.19*	
07 22 16 00-0049	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.15	
		For Loose-Laid, Deduct	*-1.23*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0050	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	3.62	
		For Loose-Laid, Deduct	*-1.24*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.25*	
07 22 16 00-0051	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.09	
		For Loose-Laid, Deduct	*-1.25*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0052	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	4.56	
		For Loose-Laid, Deduct	*-1.25*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0053	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.07	
		For Loose-Laid, Deduct	*-1.26*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	
07 22 16 00-0054	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied	5.52	
		For Loose-Laid, Deduct	*-1.27*	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.44*	
07 22 16 00-0055		Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0002)*		
07 22 16 00-0056	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied	3.32	
07 22 16 00-0057		Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*		
07 22 16 00-0058	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.06	
07 22 16 00-0059	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.25	
07 22 16 00-0060	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.38	
07 22 16 00-0061	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied	3.45	
07 22 16 00-0062		Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0002)*		
07 22 16 00-0063	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	2.99	
07 22 16 00-0064	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.28	
07 22 16 00-0065	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied	3.35	
07 22 16 00-0066		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.39	
07 22 16 00-0068	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.68	
07 22 16 00-0069	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.06	
07 22 16 00-0070	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.30	
07 22 16 00-0071	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.86	
07 22 16 00-0072	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.10	
07 22 16 00-0073	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.46	
07 22 16 00-0074		Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0002)*		
		Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.44	
07 22 16 00-0076	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	5.95	
07 22 16 00-0077	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.55	
07 22 16 00-0078	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	6.94	
07 22 16 00-0079	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.43	
07 22 16 00-0080	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	7.97	
07 22 16 00-0081	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied	8.93	
07 22 16 00-0082		Hot-Mopped Rigid Board Roofing Insulation *(07 22 16 00-0001)*		
07 22 16 00-0083		Hot-Mopped, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0082)*		
07 22 16 00-0084	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.15	
07 22 16 00-0085	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	2.57	
07 22 16 00-0086	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.00	
07 22 16 00-0087	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	3.78	
07 22 16 00-0088	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped	4.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0089		**Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0090	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.37	
07 22 16 00-0091	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped	2.86	
07 22 16 00-0092		**Hot-Mopped, Perlite, Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0093	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped	2.08	
07 22 16 00-0094	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped	2.33	
07 22 16 00-0095	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped	2.64	
07 22 16 00-0096	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped	3.39	
07 22 16 00-0097	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped	3.86	
07 22 16 00-0098		**Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0099	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	3.05	
07 22 16 00-0100	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	4.23	
07 22 16 00-0101	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped	5.66	
07 22 16 00-0102		**Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0103	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	6.03	
07 22 16 00-0104	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	7.19	
07 22 16 00-0105	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	9.51	
07 22 16 00-0106	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped	12.63	
07 22 16 00-0107		**Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation** *(07 22 16 00-0082)*		
07 22 16 00-0108	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.16	
07 22 16 00-0109	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.24	
07 22 16 00-0110	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.39	
07 22 16 00-0111	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	2.78	
07 22 16 00-0112	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	3.92	
07 22 16 00-0113	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	5.06	
07 22 16 00-0114	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	6.18	
07 22 16 00-0115	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	7.33	
07 22 16 00-0116	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped	8.45	
07 22 16 00-0117		**Hot-Mopped, Extruded Polystyrene, Roof Board Insulation** *(07 22 16 00-0082)*		
		Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.87	
		For 25 PSI Compressive Strength, Add	*0.28*	
		For 40 PSI Compressive Strength, Add	*0.66*	
		For 60 PSI Compressive Strength, Add	*1.06*	
		For 115 PSI Compressive Strength, Add	*4.56*	
07 22 16 00-0119	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	2.95	
		For 25 PSI Compressive Strength, Add	*0.29*	
		For 40 PSI Compressive Strength, Add	*0.68*	
		For 60 PSI Compressive Strength, Add	*1.10*	
		For 115 PSI Compressive Strength, Add	*4.72*	
07 22 16 00-0120	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	3.87	
		For 25 PSI Compressive Strength, Add	*0.43*	
		For 40 PSI Compressive Strength, Add	*1.03*	
		For 60 PSI Compressive Strength, Add	*1.63*	
		For 100 PSI Compressive Strength, Add	*2.09*	
		For 115 PSI Compressive Strength, Add	*7.08*	
07 22 16 00-0121	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	4.59	
		For 25 PSI Compressive Strength, Add	*0.52*	
		For 40 PSI Compressive Strength, Add	*1.25*	
		For 60 PSI Compressive Strength, Add	*1.97*	
		For 115 PSI Compressive Strength, Add	*8.56*	
07 22 16 00-0122	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	16.16	
		For 25 PSI Compressive Strength, Add	*0.69*	
		For 40 PSI Compressive Strength, Add	*1.64*	
		For 60 PSI Compressive Strength, Add	*3.10*	
		For 100 PSI Compressive Strength, Add	*3.83*	
		For 115 PSI Compressive Strength, Add	*12.29*	
07 22 16 00-0123	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.01	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.82*	
		For 60 PSI Compressive Strength, Add	*2.83*	
		For 115 PSI Compressive Strength, Add	*12.41*	
07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.78	
		For 25 PSI Compressive Strength, Add	*0.88*	
		For 40 PSI Compressive Strength, Add	*2.10*	
		For 60 PSI Compressive Strength, Add	*3.27*	
		For 115 PSI Compressive Strength, Add	*14.34*	
07 22 16 00-0125		**Hot-Mopped, Polyisocyanurate Board Roofing Insulation** *(07 22 16 00-0082)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.54	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.14*	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.66	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.15*	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.83	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.29	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.21*	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.78	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.26*	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.26	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.64	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.35*	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.21	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.40*	

07 22 16 00-0134 Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.76
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.95
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.08
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.15

07 22 16 00-0139 Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0082)*

07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.69
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.98
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.05

07 22 16 00-0143 Mechanically Fastened Rigid Board Roofing Insulation *(07 22 16 00-0001)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0144 Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.24	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.68	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.09	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.94	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0149	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.71	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	

07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.46	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0152	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened	2.96	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.41*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.41*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened	2.20	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0155	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened	2.45	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0156	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened	2.76	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0157	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened	3.59	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0158	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened	4.07	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	

07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0160	SF	1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	3.17	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0161	SF	2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	4.45	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 22 16 00-0162	SF	3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened	5.94	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

07 22 16 00-0163 Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0164	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	6.24	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0165	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	7.40	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 22 16 00-0166	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	9.79	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0167	SF	3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened	13.06	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.15*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.54*	

07 22 16 00-0168 Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0169	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.26	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0170	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.33	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0171	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.61	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0172	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	2.89	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.39*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0173	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	4.12	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 22 16 00-0174	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	5.34	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.71*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0175	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	6.62	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0176	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	7.94	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.48*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.99*	
07 22 16 00-0177	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened	9.61	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.74*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.38*	

07 22 16 00-0178 Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation *(07 22 16 00-0143)*

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0179	SF	3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.00	
		For 25 PSI Compressive Strength, Add	*0.31*	
		For 40 PSI Compressive Strength, Add	*0.74*	
		For 60 PSI Compressive Strength, Add	*1.19*	
		For 115 PSI Compressive Strength, Add	*5.14*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	3.06	
		For 25 PSI Compressive Strength, Add	*0.32*	
		For 40 PSI Compressive Strength, Add	*0.76*	
		For 60 PSI Compressive Strength, Add	*1.22*	
		For 115 PSI Compressive Strength, Add	*5.27*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.08	
		For 25 PSI Compressive Strength, Add	*0.48*	
		For 40 PSI Compressive Strength, Add	*1.15*	
		For 60 PSI Compressive Strength, Add	*1.81*	
		For 100 PSI Compressive Strength, Add	*2.33*	
		For 115 PSI Compressive Strength, Add	*7.89*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	4.68	
		For 25 PSI Compressive Strength, Add	*0.58*	
		For 40 PSI Compressive Strength, Add	*1.37*	
		For 60 PSI Compressive Strength, Add	*2.14*	
		For 115 PSI Compressive Strength, Add	*9.36*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	5.82	
		For 25 PSI Compressive Strength, Add	*0.76*	
		For 40 PSI Compressive Strength, Add	*1.80*	
		For 60 PSI Compressive Strength, Add	*2.80*	
		For 100 PSI Compressive Strength, Add	*3.61*	
		For 115 PSI Compressive Strength, Add	*12.29*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	6.29	
		For 25 PSI Compressive Strength, Add	*0.83*	
		For 40 PSI Compressive Strength, Add	*1.97*	
		For 60 PSI Compressive Strength, Add	*3.07*	
		For 115 PSI Compressive Strength, Add	*13.45*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened	7.23	
		For 25 PSI Compressive Strength, Add	*0.98*	
		For 40 PSI Compressive Strength, Add	*2.32*	
		For 60 PSI Compressive Strength, Add	*3.59*	
		For 115 PSI Compressive Strength, Add	*15.79*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0186		Mechanically Fastened, Polyisocyanurate Board Roofing Insulation *(07 22 16 00-0143)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0187	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.65	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.16*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.31*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.31*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0188	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.77	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.17*	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.32*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0189	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.03	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.20*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0190	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.51	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.24*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 22 16 00-0191	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.07	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.30*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0192	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.54	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.34*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.62*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.75*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0193	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.21	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.41*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.16*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.55*	
07 22 16 00-0194	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.66	
		For Foil Facer, Add	*0.36*	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.29*	

07 22 16 00-0195 Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0196	SF	1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened	3.12	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

07 22 16 00-0197 Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0198	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	2.85	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0199	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.05	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0200	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.18	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0201	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened	3.24	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

07 22 16 00-0202 Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock) *(07 22 16 00-0143)*

Note: Mechanically fastened to wood or steel.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0203	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	2.79	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0204	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.08	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0205	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened	3.14	
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.36*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.36*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF	1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.28	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 22 16 00-0208	SF	2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	5.56	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.53*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.79*	
07 22 16 00-0209	SF	2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.04	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.92*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0210	SF	3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	6.28	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.92*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0211	SF	3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.00	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.72*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0212	SF	4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.24	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0213	SF	4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened	7.80	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.60*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.11*	

07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation *(07 22 16 00-0143)*

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF	2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.43	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.78*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.91*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	5.93	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.78*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.75*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.91*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	6.69	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.32*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.71*	
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.08	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	7.76	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.55*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.06*	
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	8.30	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.56*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened	9.55	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*3.85*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*5.49*	

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation *(07 22 16)*

Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	5.27	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.03	
		For 25 PSI Compressive Strength, Add	*0.42*	
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.70	
		For 25 PSI Compressive Strength, Add	*0.49*	
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.36	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	9.02	
		For 25 PSI Compressive Strength, Add	*0.62*	
07 22 16 00-0231	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	10.81	
		For 25 PSI Compressive Strength, Add	*0.67*	
07 22 16 00-0232	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.47	
		For 25 PSI Compressive Strength, Add	*0.74*	
07 22 16 00-0233	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.14	
		For 25 PSI Compressive Strength, Add	*0.81*	
07 22 16 00-0234	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.80	
		For 25 PSI Compressive Strength, Add	*0.87*	
07 22 16 00-0235	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.56	
		For 25 PSI Compressive Strength, Add	*0.92*	

07 22 16 00-0236 Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0237	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	4.94	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0238	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	7.36	
		For 25 PSI Compressive Strength, Add	*0.45*	
07 22 16 00-0239	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.69	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0240	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.14	
		For 25 PSI Compressive Strength, Add	*0.71*	
07 22 16 00-0241	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	12.47	
		For 25 PSI Compressive Strength, Add	*0.84*	
07 22 16 00-0242	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	14.89	
		For 25 PSI Compressive Strength, Add	*0.95*	

07 22 16 00-0243 Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0224)*

07 22 16 00-0244	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	8.03	
		For 25 PSI Compressive Strength, Add	*0.52*	
07 22 16 00-0245	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	11.80	
		For 25 PSI Compressive Strength, Add	*0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0246	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	15.56	
		For 25 PSI Compressive Strength, Add	*1.02*	
07 22 16 00-0247	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied	19.33	
		For 25 PSI Compressive Strength, Add	*1.27*	

07 22 16 00-0248 Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0249 Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0250	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.52
07 22 16 00-0251	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.33
07 22 16 00-0252	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.83
07 22 16 00-0253	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.32
07 22 16 00-0254	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.82
07 22 16 00-0255	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	9.64
07 22 16 00-0256	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.14
07 22 16 00-0257	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.64
07 22 16 00-0258	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	11.13
07 22 16 00-0259	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	12.94

07 22 16 00-0260 Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0261	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	4.28
07 22 16 00-0262	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	6.58
07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.57
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	9.89
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.89
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.19

07 22 16 00-0267 Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0248)*

07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	7.08
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	10.39
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	13.68
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied	17.49

07 22 16 00-0272 Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0223)*

Note: Includes polyurethane adhesive.

07 22 16 00-0273 Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*

07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	5.12
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	6.89
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.52
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.15
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.78
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.57
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.84	
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.47	
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.24	
07 22 16 00-0284		Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	4.81	
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.21	
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	8.47	
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	10.89	
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	12.15	
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	14.55	
07 22 16 00-0291		Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0272)*		
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	7.84	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	11.52	
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	15.18	
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied	18.86	
07 22 16 00-0296		Cold Adhesive Applied, Tapered Perlite Board *(07 22 16 00-0223)*		
		Note: Includes polyurethane adhesive.		
07 22 16 00-0297		Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	7.37	
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	8.53	
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.82	
07 22 16 00-0301	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.40	
07 22 16 00-0302	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.68	
07 22 16 00-0303	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	12.85	
07 22 16 00-0304	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.14	
07 22 16 00-0305	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.71	
07 22 16 00-0306	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	16.00	
07 22 16 00-0307	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.17	
07 22 16 00-0308		Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0309	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	6.72	
07 22 16 00-0310	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	9.18	
07 22 16 00-0311	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	11.04	
07 22 16 00-0312	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	13.50	
07 22 16 00-0313	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	15.36	
07 22 16 00-0314	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied	17.81	
07 22 16 00-0315		Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0296)*		
07 22 16 00-0316	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	10.47	
07 22 16 00-0317	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	14.78	
07 22 16 00-0318	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	19.10	
07 22 16 00-0319	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied	23.42	
07 22 16 00-0320		Hot-Mopped Rigid Board Tapered Roofing Insulation *(07 22 16 00-0222)*		
07 22 16 00-0321		Hot-Mopped, Tapered Polyisocyanurate Board *(07 22 16 00-0320)*		
07 22 16 00-0322		Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0323	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.84	
		For 25 PSI Compressive Strength, Add	*0.33*	
07 22 16 00-0324	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.52	
		For 25 PSI Compressive Strength, Add	*0.34*	
07 22 16 00-0325	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.18	
		For 25 PSI Compressive Strength, Add	*0.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0326	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.55	
		For 25 PSI Compressive Strength, Add	*0.47*	
07 22 16 00-0327	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.51	
		For 25 PSI Compressive Strength, Add	*0.54*	
07 22 16 00-0328	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.03	
		For 25 PSI Compressive Strength, Add	*0.55*	
07 22 16 00-0329	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.70	
		For 25 PSI Compressive Strength, Add	*0.62*	
07 22 16 00-0330	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.36	
		For 25 PSI Compressive Strength, Add	*0.69*	
07 22 16 00-0331	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	12.02	
		For 25 PSI Compressive Strength, Add	*0.75*	
07 22 16 00-0332	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.54	
		For 25 PSI Compressive Strength, Add	*0.77*	
07 22 16 00-0333		Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0334	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	4.67	
		For 25 PSI Compressive Strength, Add	*0.29*	
07 22 16 00-0335	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	6.85	
		For 25 PSI Compressive Strength, Add	*0.37*	
07 22 16 00-0336	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	8.18	
		For 25 PSI Compressive Strength, Add	*0.51*	
07 22 16 00-0337	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	10.37	
		For 25 PSI Compressive Strength, Add	*0.59*	
07 22 16 00-0338	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.69	
		For 25 PSI Compressive Strength, Add	*0.72*	
07 22 16 00-0339	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	13.87	
		For 25 PSI Compressive Strength, Add	*0.80*	
07 22 16 00-0340		Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0321)*		
07 22 16 00-0341	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	7.51	
		For 25 PSI Compressive Strength, Add	*0.44*	
07 22 16 00-0342	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	11.03	
		For 25 PSI Compressive Strength, Add	*0.65*	
07 22 16 00-0343	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	14.54	
		For 25 PSI Compressive Strength, Add	*0.87*	
07 22 16 00-0344	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped	18.05	
		For 25 PSI Compressive Strength, Add	*1.08*	
07 22 16 00-0345		Hot-Mopped, Tapered Perlite Board *(07 22 16 00-0320)*		
07 22 16 00-0346		Hot-Mopped, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0347	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	6.43	
07 22 16 00-0348	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	8.02	
07 22 16 00-0349	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.31	
07 22 16 00-0350	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	9.21	
07 22 16 00-0351	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	10.50	
07 22 16 00-0352	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	12.08	
07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.37	
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	13.27	
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	14.56	
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped	16.15	
07 22 16 00-0357		Hot-Mopped, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	5.79	
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	8.66	
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	9.86	
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	12.72	
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	13.92	
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped	16.79	
07 22 16 00-0364		Hot-Mopped, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0345)*		
07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	9.95	
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	14.01	
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	71.05	
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped	22.14	
07 22 16 00-0369		Mechanically Fastened Tapered Roofing Insulation *(07 22 16 00-0222)* Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.		
07 22 16 00-0370		Mechanically Fastened, Tapered Polyisocyanurate Board *(07 22 16 00-0369)* Note: Mechanically fastened to wood or steel.		
07 22 16 00-0371		Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	5.16	
		For 25 PSI Compressive Strength, Add	*0.36*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.35	
		For 25 PSI Compressive Strength, Add	*0.35*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.01	
		For 25 PSI Compressive Strength, Add	*0.42*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.83	
		For 25 PSI Compressive Strength, Add	*0.50*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.50	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0377	SF	4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	9.81	
		For 25 PSI Compressive Strength, Add	*0.57*	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0378	SF	5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.47	
		For 25 PSI Compressive Strength, Add	*0.64*	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0379	SF	5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.42	
		For 25 PSI Compressive Strength, Add	*0.73*	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0380	SF	6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	12.08	
		For 25 PSI Compressive Strength, Add	*0.80*	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0381	SF	6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.48	
		For 25 PSI Compressive Strength, Add	*0.81*	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	

07 22 16 00-0382 Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*

07 22 16 00-0383	SF	2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	4.83	
		For 25 PSI Compressive Strength, Add	*0.33*	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0384	SF	3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	6.68	
		For 25 PSI Compressive Strength, Add	*0.39*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0385	SF	4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	8.17	
		For 25 PSI Compressive Strength, Add	*0.53*	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	
07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.14	
		For 25 PSI Compressive Strength, Add	*0.61*	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	11.75	
		For 25 PSI Compressive Strength, Add	*0.77*	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	13.81	
		For 25 PSI Compressive Strength, Add	*0.85*	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0389		Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board *(07 22 16 00-0370)*		
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	7.34	
		For 25 PSI Compressive Strength, Add	*0.45*	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	10.41	
		For 25 PSI Compressive Strength, Add	*0.63*	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	14.48	
		For 25 PSI Compressive Strength, Add	*0.91*	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened	18.40	
		For 25 PSI Compressive Strength, Add	*1.18*	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.39*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.67*	
07 22 16 00-0394		Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0369)*		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0395		Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*		
07 22 16 00-0396	SF	2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.41	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0397	SF	2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.64	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0398	SF	3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.14	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0399	SF	3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.80	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	
07 22 16 00-0400	SF	4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.29	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0401	SF	4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.64	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0402	SF	5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.14	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0403	SF	5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.92	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0404	SF	6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.42	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	11.86	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	

07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	4.16	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	5.89	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	7.05	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	8.89	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	10.17	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.11	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	

07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS) *(07 22 16 00-0394)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	6.39	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0415	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	9.39	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0416	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	12.61	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0417	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened	16.57	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.39*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.67*	

07 22 16 00-0418 Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0369)*

Note: Mechanically fastened to wood or steel.

07 22 16 00-0419 Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0420	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	5.01	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0421	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.21	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0422	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.22	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0423	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.63	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0424	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	8.26	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.57	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.20	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.12	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.75	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.16	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	

07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	4.69	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	6.52	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.94	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	
07 22 16 00-0434	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	9.89	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0435	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	11.44	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0436	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	13.47	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0437		Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS) *(07 22 16 00-0418)*		
07 22 16 00-0438	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	7.15	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0439	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	10.52	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0440	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	14.10	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0441	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened	17.68	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.39*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.67*	
07 22 16 00-0442		Mechanically Fastened, Tapered Perlite Board *(07 22 16 00-0369)*		
		Note: Mechanically fastened to wood or steel.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0443		Mechanically Fastened, 1/8" Slope, Tapered Perlite Board *(07 22 16 00-0442)*		
07 22 16 00-0444	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	6.59	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0445	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	7.85	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0446	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.14	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	
07 22 16 00-0447	SF	3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	9.20	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	
07 22 16 00-0448	SF	4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	10.49	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.01*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.87*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.29*	
07 22 16 00-0449	SF	4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	11.85	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0450	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.14	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0451	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	13.33	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0452	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	14.62	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0453	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened	16.09	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0454		Mechanically Fastened, 1/4" Slope, Tapered Perlite Board *(07 22 16 00-0442)*		
07 22 16 00-0455	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	5.94	
		For Mechanically Fastened To Concrete, Add	*1.52*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.90*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.90*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.12*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.35*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.18*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 22 16 00-0456	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	8.49	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.95*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.65*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*3.97*	
07 22 16 00-0457	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	9.85	
		For Mechanically Fastened To Concrete, Add	*1.61*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.22*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.79*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.84*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.18*	
07 22 16 00-0458	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	12.49	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0459	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	13.98	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.93*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.78*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.03*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.26*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.67*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.55*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.90*	
07 22 16 00-0460	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened	16.73	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0461		Mechanically Fastened, 1/2" Slope, Tapered Perlite Board *(07 22 16 00-0442)*		
07 22 16 00-0462	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	9.78	
		For Mechanically Fastened To Concrete, Add	*1.56*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.00*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.03*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.26*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.54*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.39*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0463	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	13.78	
		For Mechanically Fastened To Concrete, Add	*1.65*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*1.97*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*1.45*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.01*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*2.17*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*4.04*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*4.52*	
07 22 16 00-0464	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	18.02	
		For Mechanically Fastened To Concrete, Add	*1.69*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	*2.02*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.08*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*3.33*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*3.12*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*5.00*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	
07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened	22.49	
		For Mechanically Fastened To Concrete, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*2.93*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*4.45*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add	*3.66*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*4.39*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*6.67*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add	*5.49*	

07 22 16 00-0466 Demolish Rigid Board Roofing Insulation *(07 22 16)*

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation	0.58
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation	0.60
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation	0.61
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation	0.64
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation	0.65
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation	0.67
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation	0.68
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation	0.70
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation	0.72
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation	0.73
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation	0.75
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation	0.77
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation	0.79

07 24 Exterior Insulation and Finish Systems *(07 20)*

07 24 13 Polymer-Based Exterior Insulation and Finish System *(07 24)*

07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) *(07 24 13)*

07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	4.45	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.45*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.18*	
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.04	
		For Up To 100, Add	*0.99*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.48*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.20*	
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	5.61	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.65*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.35*	
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.19	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.74*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	6.75	
		For Up To 100, Add	*1.03*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.74*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.47*	
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied	7.88	
		For Up To 100, Add	*1.04*	
		For >100 To 500, Add	*0.52*	
		For >5,000, Deduct	*-0.21*	
		For Adhesive And Mechanically Fastened To Wood Or Steel, Add	*1.96*	
		For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add	*2.65*	

07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat	5.97	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0011	SF	6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat	6.58	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0012	SF	15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat	8.22	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0013	SF	20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat	8.72	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	

07 24 13 00-0014 Base Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

07 24 13 00-0015	SF	Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM)	2.91	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
07 24 13 00-0016	SF	Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®)	3.36	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
07 24 13 00-0017	SF	Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	5.80	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	
07 24 13 00-0018	SF	Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®)	7.74	
		For Up To 100, Add	*0.97*	
		For >100 To 500, Add	*0.49*	
		For >5,000, Deduct	*-0.19*	

07 24 13 00-0019 Finish Coats For Exterior Insulation Finishing Systems (EIFS) *(07 24 13 00-0001)*

Note: Includes all standard manufacturers' colors.

07 24 13 00-0020	SF	100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	4.99	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0021	SF	100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish)	5.09	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0022	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	5.80	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0023	SF	Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish)	6.44	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0024	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	5.81	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0025	SF	Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish)	6.44	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0026	SF	Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth)	5.19	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0027	SF	Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®)	5.85	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0028	SF	100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™)	11.51	
		For Up To 100, Add	*1.95*	
		For >100 To 500, Add	*0.98*	
		For >5,000, Deduct	*-0.39*	
07 24 13 00-0029		**Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0030	SF	100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®)	1.49	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0031	SF	100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™)	1.52	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0032		**Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0033	SF	Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.02	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0034	SF	Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat	2.48	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
07 24 13 00-0035		**Drainage Accessories For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0036	SF	1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat)	3.07	
		For Up To 100, Add	*0.61*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.12*	
07 24 13 00-0037		**Starter Tracks For Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		
07 24 13 00-0038	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.44	
07 24 13 00-0039	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	4.78	
07 24 13 00-0040	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	5.18	
07 24 13 00-0041	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP)	6.01	
07 24 13 00-0042	LF	1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	4.78	
07 24 13 00-0043	LF	1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.18	
07 24 13 00-0044	LF	2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	5.57	
07 24 13 00-0045	LF	3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE)	6.49	
07 24 13 00-0046		**Demolish Exterior Insulation Finishing Systems (EIFS)** *(07 24 13 00-0001)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0047	SF	Demolish Exterior Insulation Finishing Systems (EIFS) Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.	8.16	
		For Up To 100, Add	*4.08*	
		For >100 To 500, Add	*2.04*	
		For >5,000, Deduct	*-0.82*	

07 25 Weather Barriers *(07)*

07 26 Vapor Retarders *(07 25)*

07 26 13 Above-Grade Vapor Retarders *(07 26)*

07 26 13 00-0001	CSF	Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B)	35.45
07 26 13 00-0002	CSF	Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex)	33.12
07 26 13 00-0003	CSF	60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute)	40.59
07 26 13 00-0004	CSF	Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute)	51.56
07 26 13 00-0005	CSF	Regular Weight Red Rosin Sized Sheathing	30.72
07 26 13 00-0006	CLF	6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper)	103.72
07 26 13 00-0007	CLF	4" Wide Self-Adhering Butyl Sealing Tape	153.46
07 26 13 00-0008	CLF	6" Wide Self Adhesive Butyl Sealing Tape	219.05
07 26 13 00-0009	CLF	9" Wide Self Adhesive Butyl Sealing Tape	301.24
07 26 13 00-0010	CSF	Building Wrap (Tyvek)	75.75

07 27 Air Barriers *(07 25)*

07 27 23 Board Product Air Barriers *(07 27)*

07 27 23 00-0001 Barriers For Plenums *(07 27 23)*

07 27 23 00-0002	SF	0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 Lb./SF	14.42	4.00
		For Up To 50, Add	*5.30*	
		For >50 To 200, Add	*3.01*	
		For >200 To 500, Add	*1.11*	
		For >2,500, Deduct	*-0.72*	
07 27 23 00-0003	SF	0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 Lb./SF	15.60	4.00
		For Up To 50, Add	*5.78*	
		For >50 To 200, Add	*3.28*	
		For >200 To 500, Add	*1.21*	
		For >2,500, Deduct	*-0.78*	
07 27 23 00-0004	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick	5.80	2.66
		For Up To 50, Add	*2.81*	
		For >50 To 200, Add	*1.55*	
		For >200 To 500, Add	*0.53*	
		For >2,500, Deduct	*-0.29*	
07 27 23 00-0005	SF	Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick	10.63	4.00
		For Up To 50, Add	*5.04*	
		For >50 To 200, Add	*2.79*	
		For >200 To 500, Add	*0.96*	
		For >2,500, Deduct	*-0.53*	
07 27 23 00-0006	SF	Aluminum Mesh Barrier For Plenum Kraft Paper Backed	7.09	2.66
		For Up To 50, Add	*3.00*	
		For >50 To 200, Add	*1.68*	
		For >200 To 500, Add	*0.60*	
		For >2,500, Deduct	*-0.35*	
07 27 23 00-0007	SF	1/64" Thick Sheet Lead Barrier For Plenum 1 Lb./SF	10.95	2.66
		For Up To 50, Add	*3.42*	
		For >50 To 200, Add	*1.98*	
		For >200 To 500, Add	*0.77*	
		For >2,500, Deduct	*-0.55*	

07 27 23 00-0008 Under Slab Insulation, Extruded Polystyrene (XPS) Sheets *(07 27 23)*

07 27 23 00-0009	SF	1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	2.39
07 27 23 00-0010	SF	2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	3.59
07 27 23 00-0011	SF	3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	4.65
07 27 23 00-0012	SF	4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation	5.70

07 30 Steep Slope Roofing *(07)*

Note: Includes starter strips and manufacturer's product specific warranties.

07 31 Shingles and Shakes *(07 30)*

07 31 13 Asphalt Shingles *(07 31)*

07 31 13 13 Fiberglass-Reinforced Asphalt Shingles *(07 31 13)*

07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0002	SQ	200 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20)	294.03	192.30
		For >35 To 75, Deduct	*-11.92*	
		For >75 To 100, Deduct	*-18.67*	
		For >100 To 200, Deduct	*-27.81*	
		For >200, Deduct	*-41.32*	
		For Steep Roof, Over 7 To 12, Add	*55.96*	
07 31 13 13-0003	SQ	220 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25)	308.35	201.95
		For >35 To 75, Deduct	*-12.48*	
		For >75 To 100, Deduct	*-19.56*	
		For >100 To 200, Deduct	*-29.14*	
		For >200, Deduct	*-43.31*	
		For Steep Roof, Over 7 To 12, Add	*58.75*	
07 31 13 13-0004	SQ	230 Lb./SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30)	357.20	212.02
		For >35 To 75, Deduct	*-16.44*	
		For >75 To 100, Deduct	*-24.55*	
		For >100 To 200, Deduct	*-35.94*	
		For >200, Deduct	*-52.16*	
		For Steep Roof, Over 7 To 12, Add	*61.70*	

07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle *(07 31 13 13)*

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ	245 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark)	366.63	245.49
		For >35 To 75, Deduct	*-14.35*	
		For >75 To 100, Deduct	*-22.80*	
		For >100 To 200, Deduct	*-34.12*	
		For >200, Deduct	*-51.01*	
		For Steep Roof, Over 7 To 12, Add	*71.40*	
07 31 13 13-0007	SQ	240 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate)	388.52	233.73
		For >35 To 75, Deduct	*-17.60*	
		For >75 To 100, Deduct	*-26.43*	
		For >100 To 200, Deduct	*-38.78*	
		For >200, Deduct	*-56.45*	
		For Steep Roof, Over 7 To 12, Add	*68.01*	
07 31 13 13-0008	SQ	265 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus)	420.82	257.76
		For >35 To 75, Deduct	*-18.65*	
		For >75 To 100, Deduct	*-28.23*	
		For >100 To 200, Deduct	*-41.55*	
		For >200, Deduct	*-60.73*	
		For Steep Roof, Over 7 To 12, Add	*75.00*	
07 31 13 13-0009	SQ	235 Lb./SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras)	406.78	222.61
		For >35 To 75, Deduct	*-20.44*	
		For >75 To 100, Deduct	*-29.59*	
		For >100 To 200, Deduct	*-42.82*	
		For >200, Deduct	*-61.12*	
		For Steep Roof, Over 7 To 12, Add	*64.76*	
07 31 13 13-0010	SQ	300 Lb./SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium)	456.68	270.66
		For >35 To 75, Deduct	*-21.07*	
		For >75 To 100, Deduct	*-31.43*	
		For >100 To 200, Deduct	*-46.01*	
		For >200, Deduct	*-66.74*	
		For Steep Roof, Over 7 To 12, Add	*78.72*	
07 31 13 13-0011	SQ	300 Lb./SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence)	487.56	270.66
		For >35 To 75, Deduct	*-24.16*	
		For >75 To 100, Deduct	*-35.14*	
		For >100 To 200, Deduct	*-50.95*	
		For >200, Deduct	*-72.91*	
		For Steep Roof, Over 7 To 12, Add	*78.72*	
07 31 13 13-0012	SQ	355 Lb./SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake)	532.39	298.36
		For >35 To 75, Deduct	*-26.11*	
		For >75 To 100, Deduct	*-38.11*	
		For >100 To 200, Deduct	*-55.34*	
		For >200, Deduct	*-79.35*	
		For Steep Roof, Over 7 To 12, Add	*86.81*	
07 31 13 13-0013	SQ	340 Lb./SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL)	528.18	284.19
		For >35 To 75, Deduct	*-26.99*	
		For >75 To 100, Deduct	*-38.85*	
		For >100 To 200, Deduct	*-56.10*	
		For >200, Deduct	*-79.81*	
		For Steep Roof, Over 7 To 12, Add	*82.65*	
07 31 13 13-0014	SQ	300 Lb./SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris)	525.52	270.66
		For >35 To 75, Deduct	*-27.95*	
		For >75 To 100, Deduct	*-39.69*	
		For >100 To 200, Deduct	*-57.02*	
		For >200, Deduct	*-80.50*	
		For Steep Roof, Over 7 To 12, Add	*78.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 13 13-0015	SQ	355 Lb./SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate)	615.52	298.36
		For >35 To 75, Deduct	*-34.42*	
		For >75 To 100, Deduct	*-48.09*	
		For >100 To 200, Deduct	*-68.64*	
		For >200, Deduct	*-95.98*	
		For Steep Roof, Over 7 To 12, Add	*86.81*	
07 31 13 13-0016	SQ	355 Lb./SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House)	637.17	298.36
		For >35 To 75, Deduct	*-36.59*	
		For >75 To 100, Deduct	*-50.69*	
		For >100 To 200, Deduct	*-72.11*	
		For >200, Deduct	*-100.31*	
		For Steep Roof, Over 7 To 12, Add	*86.81*	
07 31 13 13-0017	SQ	480 Lb./SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL)	707.91	329.00
		For >35 To 75, Deduct	*-40.88*	
		For >75 To 100, Deduct	*-56.54*	
		For >100 To 200, Deduct	*-80.37*	
		For >200, Deduct	*-111.67*	
		For Steep Roof, Over 7 To 12, Add	*95.71*	
07 31 13 13-0018	SQ	425 Lb./SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor)	697.40	313.26
		For >35 To 75, Deduct	*-41.26*	
		For >75 To 100, Deduct	*-56.63*	
		For >100 To 200, Deduct	*-80.25*	
		For >200, Deduct	*-111.00*	
		For Steep Roof, Over 7 To 12, Add	*91.15*	

07 31 13 13-0019 Asphalt Shingle Accessories *(07 31 13 13)*

07 31 13 13-0020	LF	Hip And Ridge Roll Vent Note: Excludes shingles.	8.88	1.15
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles	4.11	2.86
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles	4.97	3.18
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles	89.17	

07 31 16 Metal Shingles *(07 31)*

07 31 16 00-0001 Aluminum Shingles *(07 31 16)*

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick	700.70	183.14
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0003	SQ	Aluminum Shingles, Mill Finish, 0.030" Thick	938.35	200.17
		For Colors, Anodized Finish, Add	*30.00*	
		For Bonderized Finish, Add	*47.00*	
		For 1" Factory Applied Polystyrene, Add	*37.00*	
07 31 16 00-0004	LF	Aluminum Shingles, Ridge Cap, 0.020" Thick	12.55	2.64
07 31 16 00-0005	LF	Aluminum Shingles, Ridge Cap, 0.030" Thick	13.09	2.64
07 31 16 00-0006	LF	Aluminum Shingles, Valley Section, 0.020" Thick	8.47	2.64
07 31 16 00-0007	LF	Aluminum Shingles, Valley Section, 0.030" Thick	9.56	2.64

07 31 16 00-0008 Galvanized Steel Shingles *(07 31 16)*

07 31 16 00-0009	SQ	24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles	564.99	164.79
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-9.41*	
		For >75 To 100, Deduct	*-24.72*	
		For >100 To 200, Deduct	*-42.37*	
		For >200, Deduct	*-57.67*	
		For Steep Roof, Over 7 To 12, Add	*105.48*	
07 31 16 00-0010	SQ	26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles	542.80	163.47
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-8.64*	
		For >75 To 100, Deduct	*-23.29*	
		For >100 To 200, Deduct	*-40.10*	
		For >200, Deduct	*-54.75*	
		For Steep Roof, Over 7 To 12, Add	*104.59*	
07 31 16 00-0011	SQ	24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	908.12	164.79
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-23.14*	
		For >75 To 100, Deduct	*-48.74*	
		For >100 To 200, Deduct	*-80.12*	
		For >200, Deduct	*-105.71*	
		For Steep Roof, Over 7 To 12, Add	*105.48*	
07 31 16 00-0012	SQ	26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles	833.99	163.47
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-20.29*	
		For >75 To 100, Deduct	*-43.67*	
		For >100 To 200, Deduct	*-72.13*	
		For >200, Deduct	*-95.51*	
		For Steep Roof, Over 7 To 12, Add	*104.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0013	LF	Galvanized Steel Shingles, Ridge Or Valley	9.28	2.20
		For Factory Applied 1" Polystyrene Insulation, Add	*24.75*	
		For >50 To 75, Deduct	*-0.20*	
		For >75 To 100, Deduct	*-0.46*	
		For >100 To 200, Deduct	*-0.76*	
		For >200, Deduct	*-1.02*	
		For Steep Roof, Over 7 To 12, Add	*1.38*	

07 31 26 Slate Shingles *(07 31)*

Note: Includes 30 Lb. felt and fasteners.

07 31 26 00-0001 Shingles Including 30 Lb. Felt And Nails *(07 31 26)*

07 31 26 00-0002	SQ	Slate Shingles, Buckingham, Virginia Black, 3/16" Thick	1,170.07	281.09
		For >50 To 75, Deduct	*-21.82*	
		For >75 To 100, Deduct	*-53.80*	
		For >100 To 200, Deduct	*-91.23*	
		For >200, Deduct	*-123.21*	
		For Graduated Shapes, Add	*81.82*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0003	SQ	Slate Shingles, Buckingham, Virginia Black, 1/4" Thick	1,317.25	281.09
		For >50 To 75, Deduct	*-27.71*	
		For >75 To 100, Deduct	*-64.10*	
		For >100 To 200, Deduct	*-107.42*	
		For >200, Deduct	*-143.82*	
		For Graduated Shapes, Add	*103.90*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0004	SQ	Slate Shingles, Penn Black Bangor	1,273.09	281.09
		For >50 To 75, Deduct	*-25.94*	
		For >75 To 100, Deduct	*-61.01*	
		For >100 To 200, Deduct	*-102.56*	
		For >200, Deduct	*-137.63*	
		For Graduated Shapes, Add	*97.27*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0005	SQ	Slate Shingles, Vermont, Unfading Colors, Green	1,287.81	281.09
		For >50 To 75, Deduct	*-26.53*	
		For >75 To 100, Deduct	*-62.04*	
		For >100 To 200, Deduct	*-104.18*	
		For >200, Deduct	*-139.69*	
		For Graduated Shapes, Add	*99.48*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0006	SQ	Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray	1,346.68	281.09
		For >50 To 75, Deduct	*-28.88*	
		For >75 To 100, Deduct	*-66.16*	
		For >100 To 200, Deduct	*-110.66*	
		For >200, Deduct	*-147.94*	
		For Graduated Shapes, Add	*108.31*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,273.09	281.09
		For >50 To 75, Deduct	*-25.94*	
		For >75 To 100, Deduct	*-61.01*	
		For >100 To 200, Deduct	*-102.56*	
		For >200, Deduct	*-137.63*	
		For Graduated Shapes, Add	*97.27*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,228.94	281.09
		For >50 To 75, Deduct	*-24.17*	
		For >75 To 100, Deduct	*-57.92*	
		For >100 To 200, Deduct	*-97.71*	
		For >200, Deduct	*-131.45*	
		For Graduated Shapes, Add	*90.65*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,148.61	281.09
		For >50 To 75, Deduct	*-60.96*	
		For >75 To 100, Deduct	*-122.30*	
		For >100 To 200, Deduct	*-198.87*	
		For >200, Deduct	*-260.21*	
		For Graduated Shapes, Add	*228.60*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,273.09	281.09
		For >50 To 75, Deduct	*-25.94*	
		For >75 To 100, Deduct	*-61.01*	
		For >100 To 200, Deduct	*-102.56*	
		For >200, Deduct	*-137.63*	
		For Graduated Shapes, Add	*97.27*	
		For Steep Roof, Over 7 To 12, Add	*199.87*	

07 31 29 Wood Shingles and Shakes *(07 31)*

07 31 29 13 Wood Shingles *(07 31 29)*

07 31 29 13-0001 #1 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,027.66	266.82
		For Steep Roof, Over 7 To 12, Add	*170.76*	
		For Pressure-Impregnated Treated (Preservative), Add	*74.10*	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	746.06	200.11
		For Steep Roof, Over 7 To 12, Add	*128.08*	
		For Pressure-Impregnated Treated (Preservative), Add	*51.87*	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	910.55	226.80
		For Steep Roof, Over 7 To 12, Add	*145.15*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.54*	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	745.97	186.77
		For Steep Roof, Over 7 To 12, Add	*119.54*	
		For Pressure-Impregnated Treated (Preservative), Add	*55.86*	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	976.04	176.77
		For Steep Roof, Over 7 To 12, Add	*113.13*	
		For Pressure-Impregnated Treated (Preservative), Add	*93.38*	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	757.71	150.08
		For Steep Roof, Over 7 To 12, Add	*96.05*	
		For Pressure-Impregnated Treated (Preservative), Add	*68.63*	

07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0001)*

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	727.29	240.14
		For Pressure-Impregnated Treated (Preservative), Add	*37.05*	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	710.44	226.80
		For Pressure-Impregnated Treated (Preservative), Add	*38.53*	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	720.38	196.79
		For Pressure-Impregnated Treated (Preservative), Add	*49.02*	

07 31 29 13-0013 #2 Grade, Red Cedar Shingles *(07 31 29 13)*

07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs *(07 31 29 13-0013)*

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	959.34	280.17
		For Steep Roof, Over 7 To 12, Add	*179.30*	
		For Pressure-Impregnated Treated (Preservative), Add	*59.85*	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	856.10	253.48
		For Steep Roof, Over 7 To 12, Add	*162.23*	
		For Pressure-Impregnated Treated (Preservative), Add	*52.37*	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	910.57	253.48
		For Steep Roof, Over 7 To 12, Add	*162.23*	
		For Pressure-Impregnated Treated (Preservative), Add	*60.54*	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	812.64	226.80
		For Steep Roof, Over 7 To 12, Add	*145.15*	
		For Pressure-Impregnated Treated (Preservative), Add	*53.86*	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	787.84	176.77
		For Steep Roof, Over 7 To 12, Add	*113.13*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.15*	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	645.12	153.42
		For Steep Roof, Over 7 To 12, Add	*98.19*	
		For Pressure-Impregnated Treated (Preservative), Add	*50.74*	

07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls *(07 31 29 13-0013)*

07 31 29 13-0022	SQ	6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	706.47	253.48
		For Pressure-Impregnated Treated (Preservative), Add	*29.93*	
07 31 29 13-0023	SQ	7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	682.08	240.14
		For Pressure-Impregnated Treated (Preservative), Add	*30.27*	
07 31 29 13-0024	SQ	9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall	654.92	213.46
		For Pressure-Impregnated Treated (Preservative), Add	*34.20*	

07 31 29 16 Wood Shakes *(07 31 29)*

07 31 29 16-0001 #1 Grade, Red Cedar Shakes *(07 31 29 16)*

07 31 29 16-0002 #1 Grade, Red Cedar Shakes Installed On Roofs *(07 31 29 16-0001)*

07 31 29 16-0003	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	752.81	216.79
		For Steep Roof, Over 7 To 12, Add	*138.75*	
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	
07 31 29 16-0004	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	859.21	216.79
		For Steep Roof, Over 7 To 12, Add	*138.75*	
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0005	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	792.45	176.77
		For Steep Roof, Over 7 To 12, Add	*113.13*	
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0006	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof	837.67	176.77
		For Steep Roof, Over 7 To 12, Add	*113.13*	
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	

07 31 29 16-0007 #1 Grade, Red Cedar Shakes Installed On Walls *(07 31 29 16-0001)*

07 31 29 16-0008	SQ	8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	786.16	233.46
		For Pressure-Impregnated Treated (Preservative), Add	*47.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 16-0009	SQ	8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	892.56	233.46
		For Pressure-Impregnated Treated (Preservative), Add	*63.84*	
07 31 29 16-0010	SQ	10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	839.16	200.11
		For Pressure-Impregnated Treated (Preservative), Add	*65.84*	
07 31 29 16-0011	SQ	10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall	884.38	200.11
		For Pressure-Impregnated Treated (Preservative), Add	*72.62*	

07 31 29 19 Wood Shingles And Shakes Cap *(07 31 29)*

07 31 29 19-0001 Accessories *(07 31 29 19)*

07 31 29 19-0002	LF	Hip Or Ridge Cap For Wood Shingles Or Shakes	12.46	1.73
		For Steep Roof, Over 7 To 12, Add	*1.29*	
		For Pressure-Impregnated Treated (Preservative) Ridge, Add	*1.26*	

07 31 33 Composite Rubber Shingles *(07 31)*

07 31 33 00-0001 Synthetic Polymeric Rubber Slate Shingles *(07 31 33)*

Note: As manufactured by EcoStar.

07 31 33 00-0002	SQ	Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Gray or black.	1,362.34	245.43
		For Purple Or Green Color, Add	*139.45*	
		For Brown Or Red Color, Add	*357.33*	
		For Steep Roof, Over 7 To 12, Add	*157.06*	
		For >50 To 75, Deduct	*-21.79*	
		For >75 To 100, Deduct	*-55.85*	
		For >100 To 200, Deduct	*-89.91*	
		For >200, Deduct	*-136.23*	
		For 6.5" Exposure, Add	*94.97*	
		For 6.0" Exposure, Add	*189.94*	
07 31 33 00-0003	SQ	Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0" Exposure Note: Fire resistant. Gray or black.	1,943.37	245.43
		For Purple, Green, Brown Or Red, Add	*217.89*	
		For Steep Roof, Over 7 To 12, Add	*157.06*	
		For >50 To 75, Deduct	*-36.31*	
		For >75 To 100, Deduct	*-84.90*	
		For >100 To 200, Deduct	*-133.48*	
		For >200, Deduct	*-194.34*	
		For 6.5" Exposure, Add	*136.48*	
		For 6.0" Exposure, Add	*272.95*	
07 31 33 00-0004	SQ	Class C Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Beaver tail, chisel point or beveled edges. Gray or black.	1,601.59	245.43
		For Purple, Green, Brown Or Red, Add	*399.88*	
		For Steep Roof, Over 7 To 12, Add	*157.06*	
		For >50 To 75, Deduct	*-27.77*	
		For >75 To 100, Deduct	*-67.81*	
		For >100 To 200, Deduct	*-107.85*	
		For >200, Deduct	*-160.16*	
		For 6.5" Exposure, Add	*112.06*	
		For 6.0" Exposure, Add	*224.12*	
07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0" Exposure Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.	2,063.00	245.43
		For Purple, Green, Brown Or Red, Add	*172.94*	
		For Steep Roof, Over 7 To 12, Add	*157.06*	
		For >50 To 75, Deduct	*-39.31*	
		For >75 To 100, Deduct	*-90.88*	
		For >100 To 200, Deduct	*-142.46*	
		For >200, Deduct	*-206.30*	
		For 6.5" Exposure, Add	*145.02*	
		For 6.0" Exposure, Add	*290.04*	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle Note: Beveled or pointed edges, gray or black.	16.08	1.65

07 32 Roof Tiles *(07 30)*

07 32 13 Clay Roof Tiles *(07 32)*

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure *(07 32 13)*

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ	Lanai Or Classic Tile, 158 Piece Per SQ	1,325.52	266.58
		For >25 To 50, Deduct	*-47.54*	
		For >50 To 75, Deduct	*-92.56*	
		For >75 To 100, Deduct	*-129.66*	
		For >100 To 200, Deduct	*-158.84*	
		For >200, Deduct	*-180.09*	
		For 20 Year Warranty, Add	*55.46*	
07 32 13 00-0003	SQ	Americana (Most Colors) Tile Roofing, 158 Piece Per SQ	1,579.50	266.58
		For >25 To 50, Deduct	*-62.78*	
		For >50 To 75, Deduct	*-117.96*	
		For >75 To 100, Deduct	*-162.68*	
		For >100 To 200, Deduct	*-196.93*	
		For >200, Deduct	*-220.73*	
		For 20 Year Warranty, Add	*73.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0004	SQ	Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ	1,579.50	266.58
		For >25 To 50, Deduct	*-62.78*	
		For >50 To 75, Deduct	*-117.96*	
		For >75 To 100, Deduct	*-162.68*	
		For >100 To 200, Deduct	*-196.93*	
		For >200, Deduct	*-220.73*	
		For 20 Year Warranty, Add	*73.24*	
07 32 13 00-0005	SQ	Americana (Blue) Tile, 158 Piece Per SQ	1,795.01	266.58
		For >25 To 50, Deduct	*-75.71*	
		For >50 To 75, Deduct	*-139.51*	
		For >75 To 100, Deduct	*-190.69*	
		For >100 To 200, Deduct	*-229.26*	
		For >200, Deduct	*-255.21*	
		For 20 Year Warranty, Add	*88.32*	
07 32 13 00-0006	SQ	French Tile Roofing, Red, 133 Piece Per SQ	1,580.71	325.94
		For >25 To 50, Deduct	*-55.73*	
		For >50 To 75, Deduct	*-109.18*	
		For >75 To 100, Deduct	*-153.34*	
		For >100 To 200, Deduct	*-188.22*	
		For >200, Deduct	*-213.80*	
		For 20 Year Warranty, Add	*65.02*	
07 32 13 00-0007	SQ	French Tile Roofing, Blue Or Green, 133 Piece Per SQ	1,959.81	325.94
		For >25 To 50, Deduct	*-78.48*	
		For >50 To 75, Deduct	*-147.09*	
		For >75 To 100, Deduct	*-202.63*	
		For >100 To 200, Deduct	*-245.08*	
		For >200, Deduct	*-274.46*	
		For 20 Year Warranty, Add	*91.56*	
07 32 13 00-0008	SQ	Norman Tile Roofing, 317 Piece Per SQ	2,502.67	439.72
		For >25 To 50, Deduct	*-97.41*	
		For >50 To 75, Deduct	*-184.33*	
		For >75 To 100, Deduct	*-255.01*	
		For >100 To 200, Deduct	*-309.46*	
		For >200, Deduct	*-347.68*	
		For 20 Year Warranty, Add	*113.65*	
07 32 13 00-0009	SQ	Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ	1,391.03	325.94
		For >25 To 50, Deduct	*-44.35*	
		For >50 To 75, Deduct	*-90.21*	
		For >75 To 100, Deduct	*-128.69*	
		For >100 To 200, Deduct	*-159.77*	
		For >200, Deduct	*-183.45*	
		For 20 Year Warranty, Add	*51.74*	
07 32 13 00-0010	SQ	Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ	1,698.13	325.94
		For >25 To 50, Deduct	*-62.78*	
		For >50 To 75, Deduct	*-120.92*	
		For >75 To 100, Deduct	*-168.61*	
		For >100 To 200, Deduct	*-205.83*	
		For >200, Deduct	*-232.59*	
		For 20 Year Warranty, Add	*73.24*	
07 32 13 00-0011	SQ	Spanish Tile Roofing, Red, 171 Piece Per SQ	1,188.07	244.05
		For >25 To 50, Deduct	*-42.00*	
		For >50 To 75, Deduct	*-82.20*	
		For >75 To 100, Deduct	*-115.40*	
		For >100 To 200, Deduct	*-141.60*	
		For >200, Deduct	*-160.80*	
		For 20 Year Warranty, Add	*49.00*	
07 32 13 00-0012	SQ	Spanish Tile Roofing, Blend, 171 Piece Per SQ	1,519.02	244.05
		For >25 To 50, Deduct	*-61.85*	
		For >50 To 75, Deduct	*-115.29*	
		For >75 To 100, Deduct	*-158.42*	
		For >100 To 200, Deduct	*-191.24*	
		For >200, Deduct	*-213.75*	
		For 20 Year Warranty, Add	*72.16*	
07 32 13 00-0013	SQ	Spanish Tile Roofing, Glazed White, 171 Piece Per SQ	1,803.79	244.05
		For >25 To 50, Deduct	*-78.94*	
		For >50 To 75, Deduct	*-143.77*	
		For >75 To 100, Deduct	*-195.44*	
		For >100 To 200, Deduct	*-233.96*	
		For >200, Deduct	*-259.32*	
		For 20 Year Warranty, Add	*92.10*	
07 32 13 00-0014	SQ	Two Piece Mission Tile Roofing, 192 Piece Per SQ	2,196.20	382.55
		For >25 To 50, Deduct	*-85.87*	
		For >50 To 75, Deduct	*-162.24*	
		For >75 To 100, Deduct	*-224.30*	
		For >100 To 200, Deduct	*-272.05*	
		For >200, Deduct	*-305.49*	
		For 20 Year Warranty, Add	*100.18*	
07 32 13 00-0015	SQ	One Piece Mission Tile Roofing, 75 Piece Per SQ	994.57	266.58
		For >25 To 50, Deduct	*-27.68*	
		For >50 To 75, Deduct	*-59.46*	
		For >75 To 100, Deduct	*-86.64*	
		For >100 To 200, Deduct	*-109.19*	
		For >200, Deduct	*-127.14*	
		For 20 Year Warranty, Add	*32.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 32 13 00-0016	SQ	One Piece Mission Tile Roofing, 134 Piece Per SQ	1,330.34	382.55
		For >25 To 50, Deduct	*-33.91*	
		For >50 To 75, Deduct	*-75.65*	
		For >75 To 100, Deduct	*-111.74*	
		For >100 To 200, Deduct	*-142.17*	
		For >200, Deduct	*-166.95*	
		For 20 Year Warranty, Add	*39.57*	

07 32 16 Concrete Roof Tiles *(07 32)*

07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood *(07 32 16)*

Note: Includes 30 Lb. felt underlayment.

07 32 16 00-0002	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Earthtone Colors, Corrugated	1,106.54	404.10
		For >50 To 75, Deduct	*-11.93*	
		For >75 To 100, Deduct	*-41.08*	
		For >100 To 200, Deduct	*-73.22*	
		For >200, Deduct	*-102.38*	
		For Steep Roof, Over 7 To 12, Add	*258.66*	
07 32 16 00-0003	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Blues, Corrugated	1,404.21	404.10
		For >50 To 75, Deduct	*-23.84*	
		For >75 To 100, Deduct	*-61.92*	
		For >100 To 200, Deduct	*-105.96*	
		For >200, Deduct	*-144.05*	
		For Steep Roof, Over 7 To 12, Add	*258.66*	
07 32 16 00-0004	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Custom Greens Corrugated	1,166.08	404.10
		For >50 To 75, Deduct	*-14.31*	
		For >75 To 100, Deduct	*-45.25*	
		For >100 To 200, Deduct	*-79.77*	
		For >200, Deduct	*-110.71*	
		For Steep Roof, Over 7 To 12, Add	*258.66*	
07 32 16 00-0005	SQ	13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 Lb./SQ, Colors, Shakes	1,095.88	361.56
		For >50 To 75, Deduct	*-14.91*	
		For >75 To 100, Deduct	*-44.17*	
		For >100 To 200, Deduct	*-77.15*	
		For >200, Deduct	*-106.41*	
		For Steep Roof, Over 7 To 12, Add	*231.43*	

07 32 16 00-0006 Accessories *(07 32 16)*

07 32 16 00-0007	EA	Ridge And Hip, 10" X 16-1/2", 8 Lb. Each For Concrete Tile Roof	5.03
07 32 16 00-0008	EA	Rake, 6-1/2" X 16-3/4", 9 Lb. Each For Concrete Tile Roof	3.31
07 32 16 00-0009	EA	Mansard Hip, 10" X 16-1/2", 9.2 Lb. Each For Concrete Tile Roof	4.99
07 32 16 00-0010	EA	Hip Starter, 10" X 16-1/2", 10.5 Lb. Each For Concrete Tile Roof	5.72
07 32 16 00-0011	EA	3 Or 4 Way Apex, 10" Each Side, 11.5 Lb. Each For Concrete Tile Roof	5.95

07 34 Roofing Underlayment *(07 30)*

07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0002	SQ	15 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	38.40	7.91
		For Steep Roof, Over 7 To 12, Add	*5.06*	
		For >50 To 75, Deduct	*-0.90*	
		For >75 To 100, Deduct	*-1.98*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-4.74*	
07 34 00 00-0003	SQ	30 Lb., Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	59.50	10.88
		For Steep Roof, Over 7 To 12, Add	*6.96*	
		For >50 To 75, Deduct	*-1.51*	
		For >75 To 100, Deduct	*-3.19*	
		For >100 To 200, Deduct	*-5.24*	
		For >200, Deduct	*-7.46*	
07 34 00 00-0004	SQ	30 Lb., Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	66.61	10.88
		For Steep Roof, Over 7 To 12, Add	*6.96*	
		For >50 To 75, Deduct	*-1.79*	
		For >75 To 100, Deduct	*-3.68*	
		For >100 To 200, Deduct	*-6.02*	
		For >200, Deduct	*-8.46*	
07 34 00 00-0005	SQ	Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	73.27	16.48
		For Steep Roof, Over 7 To 12, Add	*10.55*	
		For >50 To 75, Deduct	*-1.61*	
		For >75 To 100, Deduct	*-3.65*	
		For >100 To 200, Deduct	*-6.08*	
		For >200, Deduct	*-8.94*	
07 34 00 00-0006	SQ	17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	81.68	16.48
		For Steep Roof, Over 7 To 12, Add	*10.55*	
		For >50 To 75, Deduct	*-1.95*	
		For >75 To 100, Deduct	*-4.23*	
		For >100 To 200, Deduct	*-7.01*	
		For >200, Deduct	*-10.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 34 00 00-0007	SQ	25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	95.55	16.48
		For Steep Roof, Over 7 To 12, Add	*10.55*	
		For >50 To 75, Deduct	*-2.50*	
		For >75 To 100, Deduct	*-5.21*	
		For >100 To 200, Deduct	*-8.53*	
		For >200, Deduct	*-12.06*	
07 34 00 00-0008	SQ	30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	88.62	16.48
		For Steep Roof, Over 7 To 12, Add	*10.55*	
		For >50 To 75, Deduct	*-2.23*	
		For >75 To 100, Deduct	*-4.72*	
		For >100 To 200, Deduct	*-7.77*	
		For >200, Deduct	*-11.09*	

07 34 00 00-0009 Self-Adhering, Roofing Underlayment *(07 34)*

Note: Standard slope.

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat)	155.08	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-4.60*	
		For >75 To 100, Deduct	*-9.06*	
		For >100 To 200, Deduct	*-14.66*	
		For >200, Deduct	*-20.11*	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®)	235.49	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-7.82*	
		For >75 To 100, Deduct	*-14.69*	
		For >100 To 200, Deduct	*-23.51*	
		For >200, Deduct	*-31.37*	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G)	165.02	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-5.00*	
		For >75 To 100, Deduct	*-9.75*	
		For >100 To 200, Deduct	*-15.75*	
		For >200, Deduct	*-21.50*	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal)	155.08	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-4.60*	
		For >75 To 100, Deduct	*-9.06*	
		For >100 To 200, Deduct	*-14.66*	
		For >200, Deduct	*-20.11*	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30)	223.89	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-7.36*	
		For >75 To 100, Deduct	*-13.87*	
		For >100 To 200, Deduct	*-22.23*	
		For >200, Deduct	*-29.75*	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select)	187.55	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-5.90*	
		For >75 To 100, Deduct	*-11.33*	
		For >100 To 200, Deduct	*-18.23*	
		For >200, Deduct	*-24.66*	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®)	281.18	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-9.65*	
		For >75 To 100, Deduct	*-17.88*	
		For >100 To 200, Deduct	*-28.53*	
		For >200, Deduct	*-37.77*	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT)	322.19	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-11.29*	
		For >75 To 100, Deduct	*-20.76*	
		For >100 To 200, Deduct	*-33.04*	
		For >200, Deduct	*-43.51*	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High-Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra)	476.06	19.99
		For Steep Roof, Over 7 To 12, Add	*12.79*	
		For >50 To 75, Deduct	*-17.44*	
		For >75 To 100, Deduct	*-31.53*	
		For >100 To 200, Deduct	*-49.97*	
		For >200, Deduct	*-65.05*	

07 40 Roofing and Siding Panels *(07)*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 41 Roof Panels *(07 40)*

Note: Includes standard fasteners, grommets, cleats for installation.

07 41 13 Metal Roof Panels *(07 41)*

07 41 13 00-0001 Exposed Fastener Metal Roofing *(07 41 13)*

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels *(07 41 13 00-0002)*

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		7.11	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		6.64	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		6.32	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0007	SF	24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		5.99	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0008	SF	26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		5.72	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0009	SF	28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		5.49	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0010	SF	30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels		5.40	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	

07 41 13 00-0011 Galvanized Exposed Fastener Metal Roof Accessories *(07 41 13 00-0002)*

See CSI section 07 41 13 00-0038 for accessories.

07 41 13 00-0012	LF	Ridge Flashing For Galvanized Steel Exposed Fastener Roofing		27.86	2.89
		For Steep Roof, Over 7 To 12, Add		*3.75*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.62*	
07 41 13 00-0013	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing		17.38	1.90
		For Steep Roof, Over 7 To 12, Add		*2.50*	
		For Fluoropolymer (Kynar®) Coating, Add		*0.96*	
07 41 13 00-0014	LF	Valley Flashing For Galvanized Steel Exposed Fastener Roofing		34.20	2.89
		For Steep Roof, Over 7 To 12, Add		*3.75*	
		For Fluoropolymer (Kynar®) Coating, Add		*2.25*	
07 41 13 00-0015	LF	Hip Flashing For Galvanized Steel Exposed Fastener Roofing		28.43	2.89
		For Steep Roof, Over 7 To 12, Add		*3.75*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.67*	

07 41 13 00-0016 Aluminum Exposed Fastener Metal Roofing *(07 41 13 00-0001)*

07 41 13 00-0017 Aluminum Exposed Fastener Metal Roof Panels *(07 41 13 00-0016)*

07 41 13 00-0018	SF	0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		6.88	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0019	SF	0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		7.27	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0020	SF	0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		8.21	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0021	SF	0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		9.45	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0022	SF	0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		10.70	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	
07 41 13 00-0023	SF	0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels		12.26	2.78
		For Fluoropolymer (Kynar®) Coating, Add		*1.61*	
		For Steep Roof, Over 7 To 12, Add		*1.43*	

07 41 13 00-0024 Aluminum Exposed Fastener Metal Roof Accessories *(07 41 13 00-0016)*

07 41 13 00-0025	LF	Ridge Flashing For Aluminum Exposed Fastener Metal Roofing		31.75	2.89
		For Steep Roof, Over 7 To 12, Add		*3.75*	
		For Fluoropolymer (Kynar®) Coating, Add		*2.00*	
07 41 13 00-0026	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing		19.63	2.01
		For Steep Roof, Over 7 To 12, Add		*2.50*	
		For Fluoropolymer (Kynar®) Coating, Add		*1.18*	
07 41 13 00-0027	LF	Valley Flashing For Aluminum Exposed Fastener Metal Roofing		39.67	2.89
		For Steep Roof, Over 7 To 12, Add		*3.75*	
		For Fluoropolymer (Kynar®) Coating, Add		*2.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0028	LF	Hip Flashing For Aluminum Exposed Fastener Metal Roofing	32.47	2.89
		For Steep Roof, Over 7 To 12, Add	*3.75*	
		For Fluoropolymer (Kynar®) Coating, Add	*2.08*	

07 41 13 00-0029 Standing Seam Roofs *(07 41 13)*

Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.

07 41 13 00-0030 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: All steel is galvanized G90 rated or galvalume®. Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

07 41 13 00-0031 Galvanized Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0030)*

07 41 13 00-0032	SF	Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.27	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For Panels <16" Wide, Add	*1.76*	
		For 140 MPH Wind Load, Add	*0.74*	
		For Up To 1,500, Add	*3.32*	
		For >1,500 To 5,000, Add	*1.99*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.96	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For Panels <16" Wide, Add	*1.79*	
		For 140 MPH Wind Load, Add	*0.75*	
		For Up To 1,500, Add	*3.49*	
		For >1,500 To 5,000, Add	*2.09*	
		For >5,000 To 10,000, Add	*0.35*	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.66	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For Panels <16" Wide, Add	*1.73*	
		For 140 MPH Wind Load, Add	*0.73*	
		For Up To 1,500, Add	*3.17*	
		For >1,500 To 5,000, Add	*1.90*	
		For >5,000 To 10,000, Add	*0.32*	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	12.90	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For Panels <16" Wide, Add	*1.74*	
		For 140 MPH Wind Load, Add	*0.73*	
		For Up To 1,500, Add	*3.23*	
		For >1,500 To 5,000, Add	*1.94*	
		For >5,000 To 10,000, Add	*0.32*	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	13.18	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For Panels <16" Wide, Add	*1.75*	
		For 140 MPH Wind Load, Add	*0.74*	
		For Up To 1,500, Add	*3.30*	
		For >1,500 To 5,000, Add	*1.98*	
		For >5,000 To 10,000, Add	*0.33*	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing	14.18	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For Panels <16" Wide, Add	*1.80*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Up To 1,500, Add	*3.55*	
		For >1,500 To 5,000, Add	*2.13*	
		For >5,000 To 10,000, Add	*0.35*	

07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing *(07 41 13 00-0030)*

07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	29.47	2.89
		For Steep Roof, Over 6 To 12, Add	*3.51*	
		For 140 MPH Wind Load, Add	*1.53*	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	18.34	2.01
		For Steep Roof, Over 6 To 12, Add	*2.34*	
		For 140 MPH Wind Load, Add	*0.99*	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	36.45	2.89
		For Steep Roof, Over 6 To 12, Add	*3.51*	
		For 140 MPH Wind Load, Add	*1.67*	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing	30.11	2.89
		For Steep Roof, Over 6 To 12, Add	*3.51*	
		For 140 MPH Wind Load, Add	*1.54*	

07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

Note: Factory paint finish is Kynar 500®, Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing *(07 41 13 00-0043)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.75	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For 140 MPH Wind Load, Add	*0.75*	
		For Up To 1,500, Add	*3.44*	
		For Panels < 16" Wide, Add	*1.78*	
		For Up To 5000, Add	*0.75*	
		For > 5000 To 10000, Add	*0.34*	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.34	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Up To 1,500, Add	*3.59*	
		For Panels < 16" Wide, Add	*1.81*	
		For Up To 5000, Add	*0.76*	
		For > 5000 To 10000, Add	*0.36*	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing	13.42	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For 140 MPH Wind Load, Add	*0.74*	
		For Up To 1,500, Add	*3.36*	
		For Panels < 16" Wide, Add	*1.76*	
		For Up To 5000, Add	*0.74*	
		For > 5000 To 10000, Add	*0.34*	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing	14.50	2.96
		For Steep Roof, Over 6 To 12, Add	*1.77*	
		For 140 MPH Wind Load, Add	*0.76*	
		For Up To 1,500, Add	*3.63*	
		For Panels < 16" Wide, Add	*1.82*	
		For Up To 5000, Add	*0.76*	
		For > 5000 To 10000, Add	*0.36*	

07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing *(07 41 13 00-0043)*

07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing	33.75	2.89
		For Steep Roof, Over 6 To 12, Add	*3.51*	
		For 140 MPH Wind Load, Add	*1.61*	
07 41 13 00-0051	LF	9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing	20.81	2.01
		For Steep Roof, Over 6 To 12, Add	*2.34*	
		For 140 MPH Wind Load, Add	*1.04*	
07 41 13 00-0052	LF	Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing	42.47	2.89
		For Steep Roof, Over 6 To 12, Add	*3.51*	
		For 140 MPH Wind Load, Add	*1.79*	
07 41 13 00-0053	LF	Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing	34.55	2.89
		For Steep Roof, Over 6 To 12, Add	*3.51*	
		For 140 MPH Wind Load, Add	*1.63*	

07 41 13 00-0054 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0029)*

07 41 13 00-0055 Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

07 41 13 00-0056	SF	Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	25.80	3.55
		For Steep Roof, Over 6 To 12, Add	*2.66*	
		For 140 MPH Wind Load, Add	*1.23*	
		For Up To 1,500, Add	*6.45*	
		For Up To 5000, Add	*2.58*	
		For > 5000 To 10000, Add	*0.65*	
		For Panels < 16" Wide, Add	*2.93*	
07 41 13 00-0057	SF	Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing	29.40	3.55
		For Steep Roof, Over 6 To 12, Add	*2.66*	
		For 140 MPH Wind Load, Add	*1.30*	
		For Up To 1,500, Add	*7.35*	
		For Up To 5000, Add	*2.94*	
		For > 5000 To 10000, Add	*0.74*	
		For Panels < 16" Wide, Add	*3.11*	
07 41 13 00-0058	SF	Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	33.67	3.55
		For Steep Roof, Over 6 To 12, Add	*2.66*	
		For 140 MPH Wind Load, Add	*1.38*	
		For Up To 1,500, Add	*8.42*	
		For Up To 5000, Add	*3.37*	
		For > 5000 To 10000, Add	*0.84*	
		For Panels < 16" Wide, Add	*3.32*	
07 41 13 00-0059	SF	Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing	39.15	3.55
		For Steep Roof, Over 6 To 12, Add	*2.66*	
		For 140 MPH Wind Load, Add	*1.49*	
		For Up To 1,500, Add	*9.79*	
		For Up To 5000, Add	*3.92*	
		For > 5000 To 10000, Add	*0.98*	
		For Panels < 16" Wide, Add	*3.60*	

07 41 13 00-0060 Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing *(07 41 13 00-0054)*

07 41 13 00-0061	LF	Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	79.05	3.24
		For Steep Roof, Over 6 To 12, Add	*3.88*	
		For 140 MPH Wind Load, Add	*2.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0062	LF	9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	42.68	2.12
		For Steep Roof, Over 6 To 12, Add	*2.57*	
		For 140 MPH Wind Load, Add	*1.54*	
07 41 13 00-0063	LF	Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	109.21	3.24
		For Steep Roof, Over 6 To 12, Add	*3.85*	
		For 140 MPH Wind Load, Add	*3.21*	
07 41 13 00-0064	LF	Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing	81.44	3.24
		For Steep Roof, Over 6 To 12, Add	*3.88*	
		For 140 MPH Wind Load, Add	*2.66*	
07 41 13 00-0065		Metal Roof Surfacing *(07 41 13)*		
07 41 13 00-0066	SF	Acrylic, Metal Roof Primer, One Coat	0.79	
		For Steep Roof, Over 7 To 12, Add	*0.16*	
07 41 13 00-0067	SF	Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat Note: 55% solids by volume.	1.04	
		For Steep Roof, Over 7 To 12, Add	*0.16*	
07 41 33		**Plastic Roof Panels** *(07 41)*		
07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33)*		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels *(07 41 33 00-0001)*		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide	6.36	2.21
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide	6.05	1.99
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide	6.58	2.21
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide	6.23	1.99
07 41 33 00-0007		Polyvinyl Chloride (PVC) Roofing Accessories *(07 41 33 00-0001)*		
07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim	3.93	1.66
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim	5.56	1.66
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket	6.03	1.66
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket	4.76	1.66
07 41 33 00-0012		Fiberglass Roofing Panel *(07 41 33)*		
07 41 33 00-0013		Corrugated Panels *(07 41 33 00-0012)*		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel	7.46	1.77
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel	8.73	1.77
07 42		**Wall Panels** *(07 40)*		
07 42 13		**Metal Wall Panels** *(07 42)*		
07 42 13 19		**Insulated Metal Wall Panels** *(07 42 13)*		
07 42 13 19-0001		Insulated Panels For Sash/Window Replacement *(07 42 13 19)* Note: Porcelain or polymer finish on aluminum panel with polystyrene core.		
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement	41.02	5.34
		For Non-Insulated Panels, Deduct	*-7.57*	
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement	44.25	6.00
		For Non-Insulated Panels, Deduct	*-8.09*	
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement	47.26	6.67
		For Non-Insulated Panels, Deduct	*-8.61*	
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement	50.42	6.94
		For Non-Insulated Panels, Deduct	*-9.13*	
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement	57.59	7.60
		For Non-Insulated Panels, Deduct	*-10.61*	
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement	67.59	8.41
		For Non-Insulated Panels, Deduct	*-12.73*	
07 42 13 23		**Metal Composite Material Wall Panels** *(07 42 13)*		
07 42 13 23-0001		24 Gauge, Galvanized Steel Insulated Tongue And Groove Metal Siding Panels *(07 42 13 23)* Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core. Standard color on exterior and interior panels. CF Mesa Profile wall panels as manufactured by Metl-Span Corporation.		
07 42 13 23-0002	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	23.18	2.56
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0003	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	25.96	2.89
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 42 13 23-0004	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	28.30	3.29
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
07 42 13 23-0005	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Tongue And Groove Metal Siding Panels	31.43	4.35
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

07 42 63 Fabricated Wall Panel Assemblies *(07 42)*

07 42 63 00-0001 Insulated Freezer And Chiller Panels *(07 42 63)*
Note: Excludes suspension system for ceiling support.

07 42 63 00-0002 Polyurethane Sandwich Panel *(07 42 63 00-0001)*
Note: With 22 gauge galvanized sheet metal face excludes painting.

07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces	25.85	1.92
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces	27.43	1.92
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces	32.78	1.92
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces	35.52	2.04
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces	37.76	2.04
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	23.20	1.58
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	25.30	1.58
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	30.63	1.70
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	29.67	1.70
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner)	35.02	1.70

07 42 63 00-0013 Polyurethane Sandwich Panel *(07 42 63 00-0001)*
Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces	25.21	1.92
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces	27.15	1.92
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces	32.11	1.92
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces	35.15	2.04
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces	37.23	2.04
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	22.71	1.58
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	24.66	1.58
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	26.67	1.70
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	31.63	1.70
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel)	34.65	1.70

07 42 93 Soffit Panels *(07 42)*

07 42 93 00-0001 Aluminum Soffit And Fascia *(07 42 93)*
Note: Excludes J-channel.

07 42 93 00-0002	LF	6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	5.31	1.87
		For 0.015" Thick, Deduct	*-0.11*	
07 42 93 00-0003	LF	10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	6.52	1.96
		For 0.015" Thick, Deduct	*-0.17*	
07 42 93 00-0004	LF	1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	7.13	2.02
		For 0.015" Thick, Deduct	*-0.21*	
07 42 93 00-0005	LF	1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	8.90	2.12
		For 0.015" Thick, Deduct	*-0.34*	
07 42 93 00-0006	LF	2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	10.88	2.32
		For 0.015" Thick, Deduct	*-0.45*	
07 42 93 00-0007	LF	3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	14.45	2.56
		For 0.015" Thick, Deduct	*-0.68*	
07 42 93 00-0008	LF	4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	18.08	2.82
		For 0.015" Thick, Deduct	*-0.89*	
07 42 93 00-0009	LF	5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit	21.75	3.10
		For 0.015" Thick, Deduct	*-1.12*	
07 42 93 00-0010	LF	4" Exposure, 0.024" Thick, Aluminum Fascia	6.19	1.82
07 42 93 00-0011	LF	6" Exposure, 0.024" Thick, Aluminum Fascia	6.77	1.87
07 42 93 00-0012	LF	8" Exposure, 0.024" Thick, Aluminum Fascia	7.92	1.92
07 42 93 00-0013	LF	10" Exposure, 0.024" Thick, Aluminum Fascia	9.15	1.96

07 46 Siding *(07 40)*

07 46 16 Aluminum Siding *(07 46)*

Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

07 46 16 00-0001 Aluminum Coil Stock Cladding *(07 46 16)*
Note: Per SF of board, includes overlappage.

07 46 16 00-0002	SF	0.016" Thick, Aluminum Clad Siding	12.17	3.88
07 46 16 00-0003	SF	0.019" Thick, Aluminum Clad Siding	12.35	3.88
07 46 16 00-0004	SF	0.024" Thick, Aluminum Clad Siding	12.63	3.88

07 46 16 00-0005 Aluminum Siding Panels *(07 46 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 16 00-0006		Corrugated Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007	SF	0.019", Painted Finish, Corrugated Aluminum Siding Panel	8.95	2.23
07 46 16 00-0008	SF	0.021", Painted Finish, Corrugated Aluminum Siding Panel	9.35	2.23
07 46 16 00-0009	SF	0.024", Painted Finish, Corrugated Aluminum Siding Panel	10.60	2.23
07 46 16 00-0010	SF	0.032", Painted Finish, Corrugated Aluminum Siding Panel	13.04	2.23
07 46 16 00-0011		V- Beam Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012	SF	0.032", Painted Finish, V- Beam Aluminum Siding Panel	12.94	2.23
07 46 16 00-0013	SF	0.040", Painted Finish, V- Beam Aluminum Siding Panel	14.57	2.23
07 46 16 00-0014	SF	0.050", Painted Finish, V- Beam Aluminum Siding Panel	18.45	2.23
07 46 16 00-0015		Box Ribbed Aluminum Siding Panels *(07 46 16 00-0005)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016	SF	0.032", Painted Finish, Box Ribbed Aluminum Siding Panel	13.66	2.23
07 46 16 00-0017	SF	0.040", Painted Finish, Box Ribbed Aluminum Siding Panel	15.24	2.23
07 46 16 00-0018	SF	0.050", Painted Finish, Box Ribbed Aluminum Siding Panel	16.21	2.23
07 46 16 00-0019		Aluminum Siding Accessories *(07 46 16)*		
07 46 16 00-0020	LF	3/8" Pocket, Aluminum J-Channel	4.13	1.74
07 46 16 00-0021	LF	1/2" Pocket, Aluminum J-Channel	4.13	1.74
07 46 16 00-0022	LF	3/4" Pocket, Aluminum J-Channel	4.84	1.74
07 46 16 00-0023	LF	3/8" Pocket, Aluminum F-Channel	4.46	1.74
07 46 16 00-0024	LF	1/2" Pocket, Aluminum F-Channel	4.46	1.74
07 46 19		**Steel Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 19 00-0001		Steel Siding Panels *(07 46 19)*		
07 46 19 00-0002		Corrugated Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF	20 Gauge, Painted Finish, Corrugated Steel Siding Panel	12.25	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.95*	
07 46 19 00-0004	SF	22 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.25	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.70*	
07 46 19 00-0005	SF	24 Gauge, Painted Finish, Corrugated Steel Siding Panel	11.00	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.64*	
07 46 19 00-0006	SF	26 Gauge, Painted Finish, Corrugated Steel Siding Panel	8.05	2.23
		For Galvanized Instead Of Painted Steel, Add	*0.90*	
07 46 19 00-0007	SF	28 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.84	2.23
		For Galvanized Instead Of Painted Steel, Add	*0.85*	
07 46 19 00-0008	SF	30 Gauge, Painted Finish, Corrugated Steel Siding Panel	7.70	2.23
		For Galvanized Instead Of Painted Steel, Add	*0.81*	
07 46 19 00-0009		Box Ribbed Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF	20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.50	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.76*	
07 46 19 00-0011	SF	22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	11.05	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.65*	
07 46 19 00-0012	SF	24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.75	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.57*	
07 46 19 00-0013	SF	26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	10.25	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.45*	
07 46 19 00-0014	SF	28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel	9.18	2.23
		For Galvanized Instead Of Painted Steel, Add	*1.18*	
07 46 19 00-0015		Clapboard Steel Siding Panels *(07 46 19 00-0001)*		
		Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF	29 Gauge, Painted Finish, Clapboard Steel Siding Panel	9.37	1.12
07 46 23		**Wood Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001		Wood Lap Siding *(07 46 23)*		
07 46 23 00-0002	LF	8" Wide Rough Sawn Cedar Lap Siding	4.62	1.81
07 46 23 00-0003	LF	10" Wide Rough Sawn Cedar Lap Siding	5.17	1.93
07 46 23 00-0004	LF	12" Wide Rough Sawn Cedar Lap Siding	5.75	2.05
07 46 23 00-0005	LF	6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade	4.92	1.81
07 46 23 00-0006	LF	6" To 8" Wide Spruce Lap Siding, #2 Or Better	5.44	1.81
07 46 23 00-0007	LF	6" To 8" Wide Western Red Cedar, B Grade Lap Siding	6.55	1.81
07 46 23 00-0008	LF	6" To 8" Wide Western Red Cedar, A Grade Lap Siding	6.98	1.81
07 46 23 00-0009	LF	6" To 8" Wide Clear Heart Redwood Lap Siding	6.36	1.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 23 00-0010	LF	1" x 8" Cedar Round Or Flat Front Siding, Log Cabin	4.70	1.93
07 46 23 00-0011	LF	1" x 8" Cedar Beveled Siding, Channel, Rustic	4.70	1.93
07 46 23 00-0012		**Tongue And Groove Siding** *(07 46 23)*		
07 46 23 00-0013	SF	1" x 6" Tongue And Groove Southern Yellow Pine Siding	4.61	1.81
07 46 23 00-0014	SF	1" x 8" Tongue And Groove Southern Yellow Pine Siding	5.07	1.81
07 46 23 00-0015	SF	1" x 6" 105 Southern Yellow Pine Siding	4.72	1.81
07 46 23 00-0016	SF	1" x 8" 105 Southern Yellow Pine Siding	5.34	1.81
07 46 29		**Plywood Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001		**T-111 Siding** *(07 46 29)*		
07 46 29 00-0002	SF	5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud	3.19	0.94
		For Pressure Treated, Add	*0.18*	
07 46 33		**Plastic Siding** *(07 46)*		
		Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001		**Vinyl Siding** *(07 46 33)*		
		Note: Includes standard manufacturer's colors.		
07 46 33 00-0002		**Vinyl Siding Panels** *(07 46 33 00-0001)*		
		Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003		**Horizontal Vinyl Siding Panels** *(07 46 33 00-0002)*		
		Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF	7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.89	2.28
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0005	SF	8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.63	2.15
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0006	SF	9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.43	2.05
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0007	SF	10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	5.22	1.95
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0008	SF	12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel	4.96	1.81
		For 0.040" Thick, Deduct	*-0.18*	
		For 0.042" Thick, Deduct	*-0.08*	
		For 0.046" Thick, Add	*0.92*	
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0009		**Vertical Vinyl Siding Panels** *(07 46 33 00-0002)*		
07 46 33 00-0010	SF	7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel	6.91	2.28
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0011		**Vinyl Siding Accessories** *(07 46 33 00-0001)*		
07 46 33 00-0012	LF	3/4" Pocket, Outside Corner Post For Vinyl Siding	6.88	1.74
		For Manufacturer's Custom Colors, Add	*0.17*	
07 46 33 00-0013	LF	1-1/8" Pocket, Outside Corner Post For Vinyl Siding	12.04	1.74
		For Manufacturer's Custom Colors, Add	*0.43*	
07 46 33 00-0014	LF	3/4" Pocket, Inside Corner Post For Vinyl Siding	5.58	1.74
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0015	LF	1-1/8" Pocket, Inside Corner Post For Vinyl Siding	6.67	1.74
		For Manufacturer's Custom Colors, Add	*0.16*	
07 46 33 00-0016	LF	3/8" Pocket, J-Channel For Vinyl Siding	4.25	1.74
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0017	LF	1/2" Pocket, J-Channel For Vinyl Siding	4.00	1.74
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0018	LF	5/8" Pocket, J-Channel For Vinyl Siding	3.95	1.74
		For Manufacturer's Custom Colors, Add	*0.04*	
07 46 33 00-0019	LF	3/4" Pocket, J-Channel For Vinyl Siding	4.12	1.74
		For Manufacturer's Custom Colors, Add	*0.05*	
07 46 33 00-0020	LF	1" Pocket, J-Channel For Vinyl Siding	4.83	1.74
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0021	LF	1-1/4" Pocket, J-Channel For Vinyl Siding	5.21	1.74
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0022	LF	2-1/2" Pocket, J-Channel For Vinyl Siding	5.89	1.74
		For Manufacturer's Custom Colors, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 33 00-0023	LF	1/2" Pocket, F-Channel For Vinyl Siding	3.98	1.74
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0024	LF	3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	8.81	2.41
		For Manufacturer's Custom Colors, Add	*0.20*	
07 46 33 00-0025	LF	3/4" Pocket, 5" Lineal Trim For Vinyl Siding	9.17	2.41
		For Manufacturer's Custom Colors, Add	*0.22*	
07 46 33 00-0026	LF	1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding	9.97	2.41
		For Manufacturer's Custom Colors, Add	*0.26*	
07 46 33 00-0027	LF	3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding	5.37	1.74
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0028	LF	Vinyl Starter Strip For Vinyl Siding	6.51	1.74
		For Manufacturer's Custom Colors, Add	*0.15*	
07 46 33 00-0029	LF	Undersill Trim For Vinyl Siding	5.69	1.74
		For Manufacturer's Custom Colors, Add	*0.11*	

07 46 33 00-0030 Vinyl Soffit And Fascia *(07 46 33 00-0001)*

Note: Excludes J-channel.

07 46 33 00-0031	LF	6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	4.97	1.87
		For 0.038" Thick, Deduct	*-0.54*	
		For 0.040" Thick, Deduct	*-0.45*	
		For Manufacturer's Custom Colors, Add	*0.06*	
07 46 33 00-0032	LF	10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	5.96	1.96
		For 0.038" Thick, Deduct	*-0.93*	
		For 0.040" Thick, Deduct	*-0.78*	
		For Manufacturer's Custom Colors, Add	*0.10*	
07 46 33 00-0033	LF	1' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	6.45	2.02
		For 0.038" Thick, Deduct	*-1.10*	
		For 0.040" Thick, Deduct	*-0.92*	
		For Manufacturer's Custom Colors, Add	*0.12*	
07 46 33 00-0034	LF	1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	7.88	2.12
		For 0.038" Thick, Deduct	*-1.66*	
		For 0.040" Thick, Deduct	*-1.39*	
		For Manufacturer's Custom Colors, Add	*0.18*	
07 46 33 00-0035	LF	2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	9.53	2.32
		For 0.038" Thick, Deduct	*-2.22*	
		For 0.040" Thick, Deduct	*-1.86*	
		For Manufacturer's Custom Colors, Add	*0.24*	
07 46 33 00-0036	LF	3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	12.42	2.56
		For 0.038" Thick, Deduct	*-3.35*	
		For 0.040" Thick, Deduct	*-2.81*	
		For Manufacturer's Custom Colors, Add	*0.37*	
07 46 33 00-0037	LF	4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	15.36	2.82
		For 0.038" Thick, Deduct	*-4.47*	
		For 0.040" Thick, Deduct	*-3.75*	
		For Manufacturer's Custom Colors, Add	*0.49*	
07 46 33 00-0038	LF	5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit	18.35	3.10
		For 0.038" Thick, Deduct	*-5.59*	
		For 0.040" Thick, Deduct	*-4.67*	
		For Manufacturer's Custom Colors, Add	*0.61*	
07 46 33 00-0039	LF	4" Exposure, Vinyl Fascia	5.11	1.82
		For Manufacturer's Custom Colors, Add	*0.07*	
07 46 33 00-0040	LF	6" Exposure, Vinyl Fascia	5.64	1.87
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0041	LF	8" Exposure, Vinyl Fascia	5.60	1.92
		For Manufacturer's Custom Colors, Add	*0.09*	
07 46 33 00-0042	LF	10" Exposure, Vinyl Fascia	6.31	1.96
		For Manufacturer's Custom Colors, Add	*0.12*	

07 46 33 00-0043 Fiberglass Siding *(07 46 33)*

07 46 33 00-0044 Corrugated Panels *(07 46 33 00-0043)*

07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels	8.20	2.69
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels	8.73	2.41
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels	9.70	2.41

07 46 33 00-0048 Flat Panels *(07 46 33 00-0043)*

07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels	7.86	2.41
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels	8.73	2.41

07 46 46 Fiber-Cement Siding *(07 46)*

Note: Smooth or patterns. Includes sealer and primer.

07 46 46 00-0001 5/16" Thick, Fiber Cement Lap Siding *(07 46 46)*

07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.71	2.82
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.34	2.69
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.18	2.62
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding	7.00	2.55
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.69	2.41
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding	6.37	2.28
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding	1.68	0.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 46 00-0009		Fiber Cement Shingle Siding *(07 46 46)*		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding	11.32	2.48
07 46 46 00-0011		Fiber Cement Vertical Panel Siding *(07 46 46)*		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding	5.65	2.02
07 46 46 00-0013		Fiber Cement Trim Boards *(07 46 46)*		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board	3.70	1.34
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board	4.63	1.48
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board	5.53	1.61
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board	7.21	1.88
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board	3.87	1.34
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board	4.88	1.48
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board	5.95	1.61
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board	6.28	1.88
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards *(07 46 46 00-0013)*		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board	4.08	1.34
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board	5.26	1.48
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board	6.50	1.61
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board	8.59	1.88
07 46 46 00-0029		Fiber Cement Fascia Board *(07 46 46)*		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board	6.85	2.66
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board	8.33	2.97
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board	9.08	2.97
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board	11.75	3.48
07 46 46 00-0034		Fiber Cement Soffit Boards *(07 46 46)*		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit	7.98	1.92
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit	8.52	1.92

07 46 63 Fabricated Panel Assemblies with Siding *(07 46)*

07 46 63 00-0001		Metal Liner Panels *(07 46 63)*		
07 46 63 00-0002		Galvanized *(07 46 63 00-0001)*		
07 46 63 00-0003	SF	24 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	10.48	1.88
07 46 63 00-0004	SF	22 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	11.56	1.88
07 46 63 00-0005	SF	20 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.46	1.88
07 46 63 00-0006	SF	18 Gauge, 1-3/8" Thick Galvanized Metal Liner Panel	13.66	1.88

07 50 Membrane Roofing *(07)*

See CSI section 07 22 16 00-0000 for insulation, 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

07 51 Built-Up Bituminous Roofing *(07 50)*

07 51 13 Built-Up Asphalt Roofing *(07 51)*

07 51 13 00-0001		Built-Up Asphalt Roofing Components *(07 51 13)*	
07 51 13 00-0002		Built-Up Asphalt Membrane Roofing *(07 51 13 00-0001)* Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.	
07 51 13 00-0003		Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)* Note: Includes applying cold adhesive and embedding the membrane.	
07 51 13 00-0004		Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0003)*	
07 51 13 00-0005	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied	114.12
		For Up To 10, Add	*29.82*
		For >10 To 20, Add	*16.66*
		For >20 To 40, Add	*9.20*
		For >75 To 100, Deduct	*-4.60*
		For >100 To 200, Deduct	*-10.08*
		For >200, Deduct	*-14.68*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0006	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied	320.42	
		For Up To 10, Add	*71.08*	
		For >10 To 20, Add	*37.29*	
		For >20 To 40, Add	*19.52*	
		For >75 To 100, Deduct	*-9.76*	
		For >100 To 200, Deduct	*-20.39*	
		For >200, Deduct	*-30.15*	

07 51 13 00-0007 Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0003)*

07 51 13 00-0008	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied	7.57	

07 51 13 00-0009 Hot-Mopped, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes mopping hot asphalt and embedding the membrane.

07 51 13 00-0010 Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0009)*

07 51 13 00-0011	SQ	Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	83.33	
		For Up To 10, Add	*23.78*	
		For >10 To 20, Add	*13.67*	
		For >20 To 40, Add	*7.73*	
		For >75 To 100, Deduct	*-3.86*	
		For >100 To 200, Deduct	*-8.62*	
		For >200, Deduct	*-12.48*	
07 51 13 00-0012	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped	89.21	
		For Up To 10, Add	*24.96*	
		For >10 To 20, Add	*14.26*	
		For >20 To 40, Add	*8.02*	
		For >75 To 100, Deduct	*-4.01*	
		For >100 To 200, Deduct	*-8.91*	
		For >200, Deduct	*-12.92*	
07 51 13 00-0013	SQ	Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped	95.89	
		For Up To 10, Add	*26.30*	
		For >10 To 20, Add	*14.93*	
		For >20 To 40, Add	*8.35*	
		For >75 To 100, Deduct	*-4.18*	
		For >100 To 200, Deduct	*-9.24*	
		For >200, Deduct	*-13.42*	
07 51 13 00-0014	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped	170.02	
		For Up To 10, Add	*41.12*	
		For >10 To 20, Add	*22.34*	
		For >20 To 40, Add	*12.06*	
		For >75 To 100, Deduct	*-6.03*	
		For >100 To 200, Deduct	*-12.95*	
		For >200, Deduct	*-18.98*	
07 51 13 00-0015	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped	289.64	
		For Up To 10, Add	*65.05*	
		For >10 To 20, Add	*34.30*	
		For >20 To 40, Add	*18.04*	
		For >75 To 100, Deduct	*-9.02*	
		For >100 To 200, Deduct	*-18.93*	
		For >200, Deduct	*-27.95*	
07 51 13 00-0016	SQ	Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped	218.63	
		For Up To 10, Add	*51.52*	
		For >10 To 20, Add	*27.71*	
		For >20 To 40, Add	*14.83*	
		For >75 To 100, Deduct	*-7.41*	
		For >100 To 200, Deduct	*-15.80*	
		For >200, Deduct	*-23.22*	

07 51 13 00-0017 Hot-Mopped, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0009)*

07 51 13 00-0018	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped	4.76	

07 51 13 00-0019 Mechanically Fastened, Built-Up Asphalt Membrane Roofing *(07 51 13 00-0002)*

Note: Includes fasteners.

07 51 13 00-0020 Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets *(07 51 13 00-0019)*

07 51 13 00-0021	SQ	Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened	89.15	
		For Up To 10, Add	*21.32*	
		For >10 To 20, Add	*11.54*	
		For >20 To 40, Add	*6.20*	
		For >75 To 100, Deduct	*-3.10*	
		For >100 To 200, Deduct	*-6.64*	
		For >200, Deduct	*-9.74*	
07 51 13 00-0022	SQ	Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened	169.96	
		For Up To 10, Add	*37.49*	
		For >10 To 20, Add	*19.62*	
		For >20 To 40, Add	*10.25*	
		For >75 To 100, Deduct	*-5.12*	
		For >100 To 200, Deduct	*-10.68*	
		For >200, Deduct	*-15.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0023	SQ	Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened	289.57	
		For Up To 10, Add	*61.41*	
		For >10 To 20, Add	*31.58*	
		For >20 To 40, Add	*16.23*	
		For >75 To 100, Deduct	*-8.11*	
		For >100 To 200, Deduct	*-16.66*	
		For >200, Deduct	*-24.78*	

07 51 13 00-0024 Mechanically Fastened, Built-Up Asphalt Roofing Flashing *(07 51 13 00-0019)*

07 51 13 00-0025	SF	Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened	5.80	

07 51 13 00-0026 Asphalt Saturated Organic Felt *(07 51 13 00-0001)*

07 51 13 00-0027 Cold Adhesive Applied, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes applying cold adhesive and embedding the felt.

07 51 13 00-0028	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	110.44	
		For Up To 10, Add	*29.08*	
		For >10 To 20, Add	*16.29*	
		For >20 To 40, Add	*9.02*	
		For >75 To 100, Deduct	*-4.51*	
		For >100 To 200, Deduct	*-9.89*	
		For >200, Deduct	*-14.40*	
07 51 13 00-0029	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied	125.60	
		For Up To 10, Add	*32.11*	
		For >10 To 20, Add	*17.80*	
		For >20 To 40, Add	*9.78*	
		For >75 To 100, Deduct	*-4.89*	
		For >100 To 200, Deduct	*-10.65*	
		For >200, Deduct	*-15.54*	

07 51 13 00-0030 Hot-Mopped, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes mopping hot asphalt and embedding the felt.

07 51 13 00-0031	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	79.65	
		For Up To 10, Add	*23.05*	
		For >10 To 20, Add	*13.30*	
		For >20 To 40, Add	*7.54*	
		For >75 To 100, Deduct	*-3.77*	
		For >100 To 200, Deduct	*-8.43*	
		For >200, Deduct	*-12.20*	
07 51 13 00-0032	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped	94.82	
		For Up To 10, Add	*26.08*	
		For >10 To 20, Add	*14.82*	
		For >20 To 40, Add	*8.30*	
		For >75 To 100, Deduct	*-4.15*	
		For >100 To 200, Deduct	*-9.19*	
		For >200, Deduct	*-13.34*	

07 51 13 00-0033 Mechanically Fastened, Asphalt Saturated Organic Felt *(07 51 13 00-0026)*

Note: Includes fasteners.

07 51 13 00-0034	SQ	15 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	40.05	
		For Up To 10, Add	*11.50*	
		For >10 To 20, Add	*6.63*	
		For >20 To 40, Add	*3.75*	
		For >75 To 100, Deduct	*-1.87*	
		For >100 To 200, Deduct	*-4.19*	
		For >200, Deduct	*-6.06*	
07 51 13 00-0035	SQ	30 Lb., Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened	55.22	
		For Up To 10, Add	*14.54*	
		For >10 To 20, Add	*8.14*	
		For >20 To 40, Add	*4.51*	
		For >75 To 100, Deduct	*-2.25*	
		For >100 To 200, Deduct	*-4.94*	
		For >200, Deduct	*-7.20*	

07 51 13 00-0036 Surfacing *(07 51 13 00-0001)*

07 51 13 00-0037	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat	176.09	
		For Up To 10, Add	*52.70*	
		For >10 To 20, Add	*30.72*	
		For >20 To 40, Add	*17.55*	
		For >75 To 100, Deduct	*-8.77*	
		For >100 To 200, Deduct	*-19.73*	
		For >200, Deduct	*-28.51*	
07 51 13 00-0038	SQ	400 Lb./SQ, Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat	265.36	
		For Up To 10, Add	*70.56*	
		For >10 To 20, Add	*39.65*	
		For >20 To 40, Add	*22.01*	
		For >75 To 100, Deduct	*-11.01*	
		For >100 To 200, Deduct	*-24.20*	
		For >200, Deduct	*-35.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0039	CY	Gravel Roofing Ballast, Spread To Desired Thickness Note: Excludes hot asphalt or cold adhesive.	184.79	
07 51 13 00-0040	SQ	Protective Polypropylene Fabric Mat, Loose Laid Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.	53.32	
		For Up To 10, Add	*12.97*	
		For >10 To 20, Add	*7.06*	
		For >20 To 40, Add	*3.82*	
		For >75 To 100, Deduct	*-1.91*	
		For >100 To 200, Deduct	*-4.11*	
		For >200, Deduct	*-6.02*	
07 51 13 00-0041	SQ	Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.	130.74	
		For Up To 10, Add	*30.34*	
		For >10 To 20, Add	*16.22*	
		For >20 To 40, Add	*8.64*	
		For >75 To 100, Deduct	*-4.32*	
		For >100 To 200, Deduct	*-9.16*	
		For >200, Deduct	*-13.48*	
07 51 13 00-0042	SQ	Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.	115.98	
		For Up To 10, Add	*27.39*	
		For >10 To 20, Add	*14.75*	
		For >20 To 40, Add	*7.90*	
		For >75 To 100, Deduct	*-3.95*	
		For >100 To 200, Deduct	*-8.42*	
		For >200, Deduct	*-12.37*	
07 51 13 00-0043	SQ	Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over smooth-surfaced built-up roofs.	156.26	
		For Up To 10, Add	*35.45*	
		For >10 To 20, Add	*18.77*	
		For >20 To 40, Add	*9.91*	
		For >75 To 100, Deduct	*-4.96*	
		For >100 To 200, Deduct	*-10.44*	
		For >200, Deduct	*-15.39*	
07 51 13 00-0044	SQ	100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	157.58	
		For Up To 10, Add	*35.71*	
		For >10 To 20, Add	*18.91*	
		For >20 To 40, Add	*9.98*	
		For >75 To 100, Deduct	*-4.99*	
		For >100 To 200, Deduct	*-10.50*	
		For >200, Deduct	*-15.49*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*47.18*	
07 51 13 00-0045	SQ	100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.	163.01	
		For Up To 10, Add	*36.80*	
		For >10 To 20, Add	*19.45*	
		For >20 To 40, Add	*10.25*	
		For >75 To 100, Deduct	*-5.12*	
		For >100 To 200, Deduct	*-10.77*	
		For >200, Deduct	*-15.90*	
		For Installation Over Granule Surfaced Asphalt Roof Systems, Add	*48.97*	
07 51 13 00-0046	SF	Ceramic Coated Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	2.53	
07 51 13 00-0047	SF	Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.	4.59	
07 51 13 00-0048	SQ	Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™)	40.00	

07 51 13 00-0049 Walkway Pads *(07 51 13 00-0001)*

Note: Set in hot asphalt or cold adhesive.

07 51 13 00-0050	LF	5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	32.80	
07 51 13 00-0051	LF	1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad	39.16	

07 51 13 00-0052 Cant And Tapered Edge Strips *(07 51 13 00-0001)*

07 51 13 00-0053	LF	2" x 2" Perlite Cant Strip	4.25	
07 51 13 00-0054	LF	3" x 3" Perlite Cant Strip	4.40	
07 51 13 00-0055	LF	4" x 4" Perlite Cant Strip	5.10	
07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally	4.06	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally	4.19	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip	4.76	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip	5.55	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip	5.77	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip	6.60	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip	6.52	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip	8.02	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip	9.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0065		**Asphalt Primer** *(07 51 13 00-0001)*		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.	36.98	
07 51 13 00-0067		**Demolish Built-Up Roofing** *(07 51 13 00-0001)* Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System	367.18	
		For Up To 10, Add		*91.05*
		For >10 To 25, Add		*54.63*
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System Note: Includes protective surfacing.	283.26	
		For Up To 10, Add		*70.24*
		For >10 To 25, Add		*42.14*
07 51 13 00-0070		**Roofing System Warranty** *(07 51 13 00-0001)* Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	653.66	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	9.34	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	747.04	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	14.94	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	1,027.18	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty	20.54	
07 51 13 00-0077		**Built-Up Roofing Components (Tremco)** *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0078		**Cold Applied BUR Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.	148.34	
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.	180.30	
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.	207.75	
07 51 13 00-0082	SQ	28 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	46.91	
07 51 13 00-0083	SQ	33 Lb. BURmastic Glass Ply, Cold Applied BUR Component Note: Asphalt coated fiberglass base or ply sheet. Type II.	68.33	
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.	286.02	
07 51 13 00-0085	SQ	POWERply Modified Heavy-Duty Base Sheet, Hot Applied BUR Component Note: A smooth surfaced, non-woven fiberglass/scrim fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.	264.53	
07 51 13 00-0086		**Hot Or Cold Applied Modified Bitumen Cap Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.	160.54	
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.	427.98	
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.	709.03	
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.	187.10	
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.	288.38	
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.	702.73	
07 51 13 00-0093	SQ	POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	510.49	
07 51 13 00-0094	SQ	POWERply HE FR Cap Sheet, Hot Applied BUR Component Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	508.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0095		**Self Adhesive Base Plies And Ply Sheets** *(07 51 13 00-0077)*		
07 51 13 00-0096	SQ	POWERply SA Base Sheet, Self Adhesive Roofing Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	294.75	
07 51 13 00-0097	SQ	POWERply SA FR Membrane, Self Adhesive Roofing Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	582.08	
07 51 13 00-0098		**Flashings** *(07 51 13 00-0077)*		
07 51 13 00-0099	LF	11-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	17.48	
07 51 13 00-0100	LF	19" Hypalon Elastomeric Flashing Note: 45 mils.	28.21	
07 51 13 00-0101	LF	25" Hypalon Elastomeric Flashing Note: 45 mils.	37.46	
07 51 13 00-0102	LF	38" Hypalon Elastomeric Flashing Note: 45 mils.	55.06	
07 51 13 00-0103	LF	60-1/2" Hypalon Elastomeric Flashing Note: 45 mils.	90.50	
07 51 13 00-0104	LF	12" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	13.68	
07 51 13 00-0105	LF	18" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	22.12	
07 51 13 00-0106	LF	24" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	29.48	
07 51 13 00-0107	LF	36" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	43.18	
07 51 13 00-0108	LF	60" TRA Elastomeric Flashing Membrane Note: Polyester reinforced flashing membrane. 45 mils.	72.62	
07 51 13 00-0109	LF	4" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.59	
07 51 13 00-0110	LF	6" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.77	
07 51 13 00-0111	LF	12" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	5.36	
07 51 13 00-0112	LF	36" BURmesh Fabric Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	13.91	
07 51 13 00-0113		**Cold Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0114	SQ	BURmastic Inter-Ply Cold Applied Adhesive	180.17	
07 51 13 00-0115	SQ	BURmastic Flood Coat Cold Applied Adhesive	297.43	
07 51 13 00-0116	SQ	BURmastic SF Inter-Ply Cold Applied Adhesive	230.39	
07 51 13 00-0117	SQ	BURmastic LV Inter-Ply Cold Applied Adhesive	180.17	
07 51 13 00-0118	SQ	POWERply Standard Inter-Ply Cold Applied Adhesive	89.67	
07 51 13 00-0119	SQ	POWERply Standard Flood Coat Cold Applied Adhesive	201.63	
07 51 13 00-0120	SQ	POWERply White On White Cold Applied Adhesive	198.90	
07 51 13 00-0121	SQ	Rock-It Cold Applied Adhesive For Gravel Applications	563.54	
07 51 13 00-0122	SQ	FAS-n-FREE Cold Applied Adhesive (Beads 12" OC) Note: For insulation only.	312.07	
07 51 13 00-0123	SQ	ECOLastic Cold Applied Adhesive	348.37	
07 51 13 00-0124		**Hot Applied Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0125	SQ	Premium III Asphalt Inter-Ply Hot Applied Adhesive	62.47	
07 51 13 00-0126	SQ	Premium III Asphalt Flood Coat Hot Applied Adhesive	118.12	
07 51 13 00-0127		**Flashings Adhesives** *(07 51 13 00-0077)*		
07 51 13 00-0128	LF	Sheeting Bond Flashing Adhesive Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	20.44	
07 51 13 00-0129	LF	Polyroof SF Flashing Mastic Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	27.63	
07 51 13 00-0130	LF	ELS Flashing Mastic Note: Used for repairing flashings and asphalt built-up roof defects.	16.12	
07 51 13 00-0131	LF	TremSEAL D General Purpose Sealant	6.07	
07 51 13 00-0132	LF	TremSEAL HP High Performance Sealant	6.26	
07 51 13 00-0133	LF	TremSEAL S Silicone Sealant	6.11	
07 51 13 00-0134		**Surfacing** *(07 51 13 00-0077)*		
07 51 13 00-0135	SQ	TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating	270.20	
07 51 13 00-0136	SQ	ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating	602.61	
07 51 13 00-0137	SQ	Polar Coat	151.79	
07 51 13 00-0138	SQ	Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating	187.29	
07 51 13 00-0139	SQ	Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls	551.91	
07 51 13 00-0140	SQ	Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls	245.82	
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB)	71.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0142		**Walkway Protection Pads** *(07 51 13 00-0077)*		
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®)	33.65	
07 51 13 00-0144		**Primer** *(07 51 13 00-0077)*		
07 51 13 00-0145	SQ	TREMprime WB Primer Note: Water based polymer modified asphalt primer.	36.94	
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating	87.40	
07 51 13 00-0147		**Liquid Applied Roofing** *(07 51 13 00-0077)*		
07 51 13 00-0148	SQ	Horizontal Waterproofing (Trem-LAR LRM H) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	457.94	
07 51 13 00-0149	SQ	Vertical Waterproofing (Trem-LAR LRM V) Note: One part liquid applied elastomeric roofing membrane. 60 mils.	465.47	
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces Note: Two part liquid applied polyurethane roof coating. 48 mils.	601.57	
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces Note: Two part liquid applied polyurethane roof coating. 64 mils.	784.91	
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating Note: Two part liquid applied polyurethane roof coating. 32 mils.	454.57	
07 51 13 00-0153	SQ	AlphaGuard Glass Mat Note: Reinforcement mat for AlphaGuard systems.	87.22	
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer Note: 100% solids epoxy primer for concrete surfaces.	86.63	
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer Note: Water based primer for metal and plastic surfaces.	93.36	
07 51 13 00-0156	SQ	Geogard Primer Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.	67.94	
07 51 13 00-0157	SQ	AlphaGuard Primer WB Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.	60.78	
07 51 13 00-0158		**Atactic-Polypropylene (APP) Products** *(07 51 13 00-0077)*		
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet	235.93	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR	447.80	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth	358.80	
07 51 13 00-0162		**Tri-Polymer Alloy (TPA) White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane	624.72	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane	863.16	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane	983.57	
07 51 13 00-0166		**Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	721.74	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	889.29	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane	1,091.58	
07 51 13 00-0170		**Tri-Polymer Alloy (TPA) Membrane Accessories** *(07 51 13 00-0077)*		
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	128.70	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco)	146.21	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco)	19.58	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco)	65.41	
07 51 13 00-0175		**Thermoplastic Polyolefin (TPO) Polyester White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	329.48	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	335.30	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane	605.28	
07 51 13 00-0179		**Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane** *(07 51 13 00-0077)*		
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	386.53	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	438.28	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane	643.78	
07 51 13 00-0183		**Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)** *(07 51 13 00-0077)*		
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)	1,062.42	
07 51 13 00-0185		**Single Ply Adhesives** *(07 51 13 00-0077)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco)	168.21	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco)	190.65	
07 51 13 00-0188	SQ	Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco)	164.96	
07 51 13 00-0189	SQ	Low VOC, TPO Bonding Adhesive (Tremco)	108.38	
07 51 13 00-0190		Warranty (Tremco) *(07 51 13 00-0077)*		
07 51 13 00-0191	EA	Up To 10,000 SF 15 Year Roofing System Warranty	1,500.00	
07 51 13 00-0192	SF	>10,000 SF 15 Year Roofing System Warranty	0.15	
07 51 13 00-0193	EA	Up To 10,000 SF 20 Year Roofing System Warranty	2,000.00	
07 51 13 00-0194	SF	>10,000 SF 20 Year Roofing System Warranty	0.20	
07 51 13 00-0195		Built-Up Roofing Components (Garland) *(07 51 13)* Note: All tasks presented as a single layer. Adhesives are priced separately.		
07 51 13 00-0196		Modified Cap Membranes *(07 51 13 00-0195)* See CSI section 07 51 13 00-0220 for base membrane.		
07 51 13 00-0197		Modified Cap Membranes, Hot/Cold Applied *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0198	SQ	Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil	745.18	
07 51 13 00-0199	SQ	Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil	532.67	
07 51 13 00-0200	SQ	Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil	659.88	
07 51 13 00-0201	SQ	Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials	685.77	
07 51 13 00-0202	SQ	Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil	955.41	
07 51 13 00-0203	SQ	Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil	1,074.23	
07 51 13 00-0204	SQ	Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil Note: Low strength cap sheet for hot or cold modified systems used with gravel.	450.82	
07 51 13 00-0205	SQ	Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil	568.48	
07 51 13 00-0206	SQ	BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil	347.04	
07 51 13 00-0207		Modified Cap Membranes, Self-Adhering *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ	Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.	674.35	
07 51 13 00-0209		Modified Cap Membranes, Torch-Applied *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ	Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.	830.50	
07 51 13 00-0211	SQ	Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil	903.63	
07 51 13 00-0212	SQ	Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil	952.37	
07 51 13 00-0213	SQ	StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil	870.11	
07 51 13 00-0214	SQ	StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil	921.91	
07 51 13 00-0215	SQ	StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil	967.61	
07 51 13 00-0216		Modified Cap Membranes, Coal Tar Pitch Systems *(07 51 13 00-0196)* Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0217	SQ	Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil	766.43	
07 51 13 00-0218	SQ	Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil	1,211.34	
07 51 13 00-0219	SQ	Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil	985.89	
07 51 13 00-0220		Base Ply *(07 51 13 00-0195)* Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems.Includes leak-free warranty based on cap sheet selection. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ	Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil	681.20	
07 51 13 00-0222	SQ	Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil	427.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0223	SQ	HPR® Glasbase Heavy-Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.	97.41	
07 51 13 00-0224	SQ	HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil Note: Inner ply felts for hot applied built up and modified BUR systems.	64.20	
07 51 13 00-0225	SQ	HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil	78.36	
07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil	85.21	
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.	133.47	
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil	434.34	
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil Note: Self adhering base ply for self adhering 2 ply system.	373.49	
07 51 13 00-0230	SQ	SA Base IV Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With StressPly Cap Sheets, 110 Mil	348.95	
07 51 13 00-0231	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil	379.99	
07 51 13 00-0232	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil	315.25	
07 51 13 00-0233	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric	5.19	
07 51 13 00-0234	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems	14.86	
07 51 13 00-0235	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	74.93	
07 51 13 00-0236	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	6.78	
07 51 13 00-0237	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	4.88	
07 51 13 00-0238	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems	5.77	
07 51 13 00-0239	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications	164.74	

07 51 13 00-0240 Coatings And Mastics For Roof Installation, Restoration And Repairs *(07 51 13 00-0195)*

07 51 13 00-0241	SQ	Water Based Roof Primer, GarlaPrime VOC Primer	46.38	
07 51 13 00-0242	SQ	Black-Knight® Primer	42.79	
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply	180.81	
07 51 13 00-0244	SQ	4-5 GAL/SQ, Cold Process Polymer Modified Coal Tar, Flood Coat (Black-Knight® Cold)	190.48	
07 51 13 00-0245	SQ	6-8 GAL/SQ, Cold Process Polymer Modified Coal Tar, Restoration, Black-Knight® Cold	303.48	
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply	492.26	
07 51 13 00-0247	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat	505.15	
07 51 13 00-0248	SQ	3 GAL/SQ, Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat, Energizer® K Plus FR	235.36	
07 51 13 00-0249	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration	389.41	
07 51 13 00-0250	SQ	3 GAL/SQ, Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat, Energizer® LO	604.51	
07 51 13 00-0251	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration	1,004.85	
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply	419.84	
07 51 13 00-0253	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat	432.73	
07 51 13 00-0254	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	924.08	
07 51 13 00-0255	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only	398.54	
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply	193.42	
07 51 13 00-0257	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat	206.31	
07 51 13 00-0258	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel	178.68	
07 51 13 00-0259	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers	166.58	
07 51 13 00-0260	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products Note: Adheres all insulation layers for cold systems.	20.02	
07 51 13 00-0261	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required	205.36	
07 51 13 00-0262	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System	199.03	
07 51 13 00-0263	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh	24.35	
07 51 13 00-0264	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat	266.32	
07 51 13 00-0265	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric	1,511.38	
07 51 13 00-0266	SQ	4-5 GAL/SQ, Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat, Weatherscreen™	337.51	
07 51 13 00-0267	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel	412.76	
07 51 13 00-0268	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interplay Adhesive For Slopes Up To 3:12, Interply	152.50	
07 51 13 00-0269	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System	488.97	
07 51 13 00-0270	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.	151.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 52 Modified Bituminous Membrane Roofing *(07 50)*

07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 11-0001)*

07 52 13 11-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied	213.01	
		For Up To 10, Add	*49.59*	
		For >10 To 20, Add	*26.55*	
		For >20 To 40, Add	*14.15*	
		For >75 To 100, Deduct	*-7.07*	
		For >100 To 200, Deduct	*-15.02*	
		For >200, Deduct	*-22.09*	
07 52 13 11-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	260.11	
		For Up To 10, Add	*59.01*	
		For >10 To 20, Add	*31.26*	
		For >20 To 40, Add	*16.50*	
		For >75 To 100, Deduct	*-8.25*	
		For >100 To 200, Deduct	*-17.38*	
		For >200, Deduct	*-25.63*	
07 52 13 11-0005	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied	410.52	
		For Up To 10, Add	*89.10*	
		For >10 To 20, Add	*46.30*	
		For >20 To 40, Add	*24.02*	
		For >75 To 100, Deduct	*-12.01*	
		For >100 To 200, Deduct	*-24.90*	
		For >200, Deduct	*-36.91*	
07 52 13 11-0006	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	413.85	
		For Up To 10, Add	*90.43*	
		For >10 To 20, Add	*47.13*	
		For >20 To 40, Add	*24.52*	
		For >75 To 100, Deduct	*-12.26*	
		For >100 To 200, Deduct	*-25.48*	
		For >200, Deduct	*-37.74*	
07 52 13 11-0007	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	295.05	
		For Up To 10, Add	*66.67*	
		For >10 To 20, Add	*35.25*	
		For >20 To 40, Add	*18.58*	
		For >75 To 100, Deduct	*-9.29*	
		For >100 To 200, Deduct	*-19.54*	
		For >200, Deduct	*-28.83*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 11-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	342.70	
		For Up To 10, Add	*76.20*	
		For >10 To 20, Add	*40.01*	
		For >20 To 40, Add	*20.96*	
		For >75 To 100, Deduct	*-10.48*	
		For >100 To 200, Deduct	*-21.92*	
		For >200, Deduct	*-32.40*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 11-0009	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied	472.51	
		For Up To 10, Add	*102.16*	
		For >10 To 20, Add	*52.99*	
		For >20 To 40, Add	*27.45*	
		For >75 To 100, Deduct	*-13.73*	
		For >100 To 200, Deduct	*-28.41*	
		For >200, Deduct	*-42.14*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 11-0001)*

07 52 13 11-0011	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	5.89	
07 52 13 11-0012	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied	9.05	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0001		Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 13)* Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.		
07 52 13 13-0002		Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 13 13-0001)*		
07 52 13 13-0003	SQ	80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied	152.67	
		For Up To 10, Add	*37.52*	
		For >10 To 20, Add	*20.51*	
		For >20 To 40, Add	*11.13*	
		For >75 To 100, Deduct	*-5.56*	
		For >100 To 200, Deduct	*-12.00*	
		For >200, Deduct	*-17.56*	
07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied	199.77	
		For Up To 10, Add	*46.94*	
		For >10 To 20, Add	*25.22*	
		For >20 To 40, Add	*13.48*	
		For >75 To 100, Deduct	*-6.74*	
		For >100 To 200, Deduct	*-14.35*	
		For >200, Deduct	*-21.10*	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	239.42	
		For Up To 10, Add	*58.38*	
		For >10 To 20, Add	*31.81*	
		For >20 To 40, Add	*17.22*	
		For >75 To 100, Deduct	*-8.61*	
		For >100 To 200, Deduct	*-18.53*	
		For >200, Deduct	*-27.14*	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	251.48	
		For Up To 10, Add	*60.79*	
		For >10 To 20, Add	*33.02*	
		For >20 To 40, Add	*17.82*	
		For >75 To 100, Deduct	*-8.91*	
		For >100 To 200, Deduct	*-19.13*	
		For >200, Deduct	*-28.04*	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied	349.33	
		For Up To 10, Add	*80.36*	
		For >10 To 20, Add	*42.80*	
		For >20 To 40, Add	*22.71*	
		For >75 To 100, Deduct	*-11.36*	
		For >100 To 200, Deduct	*-24.02*	
		For >200, Deduct	*-35.38*	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	239.42	
		For Up To 10, Add	*58.38*	
		For >10 To 20, Add	*31.81*	
		For >20 To 40, Add	*17.22*	
		For >75 To 100, Deduct	*-8.61*	
		For >100 To 200, Deduct	*-18.53*	
		For >200, Deduct	*-27.14*	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	254.49	
		For Up To 10, Add	*61.39*	
		For >10 To 20, Add	*33.32*	
		For >20 To 40, Add	*17.97*	
		For >75 To 100, Deduct	*-8.99*	
		For >100 To 200, Deduct	*-19.28*	
		For >200, Deduct	*-28.27*	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	349.33	
		For Up To 10, Add	*80.36*	
		For >10 To 20, Add	*42.80*	
		For >20 To 40, Add	*22.71*	
		For >75 To 100, Deduct	*-11.36*	
		For >100 To 200, Deduct	*-24.02*	
		For >200, Deduct	*-35.38*	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	248.92	
		For Up To 10, Add	*60.28*	
		For >10 To 20, Add	*32.76*	
		For >20 To 40, Add	*17.69*	
		For >75 To 100, Deduct	*-8.85*	
		For >100 To 200, Deduct	*-19.00*	
		For >200, Deduct	*-27.85*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	263.54	
		For Up To 10, Add	*63.20*	
		For >10 To 20, Add	*34.22*	
		For >20 To 40, Add	*18.42*	
		For >75 To 100, Deduct	*-9.21*	
		For >100 To 200, Deduct	*-19.73*	
		For >200, Deduct	*-28.95*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	299.42	
		For Up To 10, Add	*70.38*	
		For >10 To 20, Add	*37.81*	
		For >20 To 40, Add	*20.22*	
		For >75 To 100, Deduct	*-10.11*	
		For >100 To 200, Deduct	*-21.53*	
		For >200, Deduct	*-31.64*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	303.80	
		For Up To 10, Add	*71.25*	
		For >10 To 20, Add	*38.25*	
		For >20 To 40, Add	*20.44*	
		For >75 To 100, Deduct	*-10.22*	
		For >100 To 200, Deduct	*-21.75*	
		For >200, Deduct	*-31.97*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied	426.37	
		For Up To 10, Add	*95.77*	
		For >10 To 20, Add	*50.51*	
		For >20 To 40, Add	*26.56*	
		For >75 To 100, Deduct	*-13.28*	
		For >100 To 200, Deduct	*-27.88*	
		For >200, Deduct	*-41.16*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 13 13-0016 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing *(07 52 13 13-0001)*

07 52 13 13-0017	SF	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.44	
07 52 13 13-0018	SF	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.59	
07 52 13 13-0019	SF	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.54	
07 52 13 13-0020	SF	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	3.68	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0021	SF	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	4.08	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 13 13-0022	SF	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied	5.31	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing *(07 52 13)*

07 52 13 14-0001 Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing *(07 52 13 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 13 14-0002 Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets *(07 52 13 14-0001)*

07 52 13 14-0003	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	229.27	
		For Up To 10, Add	*49.35*	
		For >10 To 20, Add	*25.55*	
		For >20 To 40, Add	*13.21*	
		For >75 To 100, Deduct	*-6.61*	
		For >100 To 200, Deduct	*-13.65*	
		For >200, Deduct	*-20.25*	

07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52)*

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0001 for additional components such as concrete primers, cant strips, surfacing, walkway boards, demolition and warranties.

07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 11-0001 Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 11)*

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

07 52 16 11-0002 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 11-0001)*

07 52 16 11-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	166.89	
		For Up To 10, Add	*40.37*	
		For >10 To 20, Add	*21.93*	
		For >20 To 40, Add	*11.84*	
		For >75 To 100, Deduct	*-5.92*	
		For >100 To 200, Deduct	*-12.71*	
		For >200, Deduct	*-18.63*	
07 52 16 11-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	219.19	
		For Up To 10, Add	*50.83*	
		For >10 To 20, Add	*27.16*	
		For >20 To 40, Add	*14.46*	
		For >75 To 100, Deduct	*-7.23*	
		For >100 To 200, Deduct	*-15.33*	
		For >200, Deduct	*-22.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied	225.94	
		For Up To 10, Add	*52.18*	
		For >10 To 20, Add	*27.84*	
		For >20 To 40, Add	*14.79*	
		For >75 To 100, Deduct	*-7.40*	
		For >100 To 200, Deduct	*-15.67*	
		For >200, Deduct	*-23.06*	
07 52 16 11-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied	309.36	
		For Up To 10, Add	*68.86*	
		For >10 To 20, Add	*36.18*	
		For >20 To 40, Add	*18.96*	
		For >75 To 100, Deduct	*-9.48*	
		For >100 To 200, Deduct	*-19.84*	
		For >200, Deduct	*-29.32*	
07 52 16 11-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied	393.80	
		For Up To 10, Add	*85.75*	
		For >10 To 20, Add	*44.62*	
		For >20 To 40, Add	*23.19*	
		For >75 To 100, Deduct	*-11.59*	
		For >100 To 200, Deduct	*-24.06*	
		For >200, Deduct	*-35.65*	
07 52 16 11-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	327.14	
		For Up To 10, Add	*73.09*	
		For >10 To 20, Add	*38.46*	
		For >20 To 40, Add	*20.19*	
		For >75 To 100, Deduct	*-10.09*	
		For >100 To 200, Deduct	*-21.14*	
		For >200, Deduct	*-31.24*	
07 52 16 11-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	336.21	
		For Up To 10, Add	*74.90*	
		For >10 To 20, Add	*39.36*	
		For >20 To 40, Add	*20.64*	
		For >75 To 100, Deduct	*-10.32*	
		For >100 To 200, Deduct	*-21.60*	
		For >200, Deduct	*-31.92*	
07 52 16 11-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	293.70	
		For Up To 10, Add	*66.40*	
		For >10 To 20, Add	*35.11*	
		For >20 To 40, Add	*18.51*	
		For >75 To 100, Deduct	*-9.26*	
		For >100 To 200, Deduct	*-19.47*	
		For >200, Deduct	*-28.73*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	297.62	
		For Up To 10, Add	*67.18*	
		For >10 To 20, Add	*35.51*	
		For >20 To 40, Add	*18.71*	
		For >75 To 100, Deduct	*-9.36*	
		For >100 To 200, Deduct	*-19.67*	
		For >200, Deduct	*-29.02*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	333.80	
		For Up To 10, Add	*74.42*	
		For >10 To 20, Add	*39.12*	
		For >20 To 40, Add	*20.52*	
		For >75 To 100, Deduct	*-10.26*	
		For >100 To 200, Deduct	*-21.48*	
		For >200, Deduct	*-31.74*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	339.83	
		For Up To 10, Add	*75.62*	
		For >10 To 20, Add	*39.73*	
		For >20 To 40, Add	*20.82*	
		For >75 To 100, Deduct	*-10.41*	
		For >100 To 200, Deduct	*-21.78*	
		For >200, Deduct	*-32.19*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	392.60	
		For Up To 10, Add	*86.18*	
		For >10 To 20, Add	*45.00*	
		For >20 To 40, Add	*23.46*	
		For >75 To 100, Deduct	*-11.73*	
		For >100 To 200, Deduct	*-24.42*	
		For >200, Deduct	*-36.15*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	488.73	
		For Up To 10, Add	*105.40*	
		For >10 To 20, Add	*54.62*	
		For >20 To 40, Add	*28.27*	
		For >75 To 100, Deduct	*-14.13*	
		For >100 To 200, Deduct	*-29.22*	
		For >200, Deduct	*-43.36*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	300.24	
		For Up To 10, Add	*67.71*	
		For >10 To 20, Add	*35.77*	
		For >20 To 40, Add	*18.84*	
		For >75 To 100, Deduct	*-9.42*	
		For >100 To 200, Deduct	*-19.80*	
		For >200, Deduct	*-29.22*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	309.68	
		For Up To 10, Add	*69.59*	
		For >10 To 20, Add	*36.71*	
		For >20 To 40, Add	*19.31*	
		For >75 To 100, Deduct	*-9.66*	
		For >100 To 200, Deduct	*-20.27*	
		For >200, Deduct	*-29.93*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	360.94	
		For Up To 10, Add	*79.85*	
		For >10 To 20, Add	*41.84*	
		For >20 To 40, Add	*21.88*	
		For >75 To 100, Deduct	*-10.94*	
		For >100 To 200, Deduct	*-22.83*	
		For >200, Deduct	*-33.77*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	362.15	
		For Up To 10, Add	*80.09*	
		For >10 To 20, Add	*41.96*	
		For >20 To 40, Add	*21.94*	
		For >75 To 100, Deduct	*-10.97*	
		For >100 To 200, Deduct	*-22.89*	
		For >200, Deduct	*-33.86*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 11-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied	385.06	
		For Up To 10, Add	*84.67*	
		For >10 To 20, Add	*44.25*	
		For >20 To 40, Add	*23.08*	
		For >75 To 100, Deduct	*-11.54*	
		For >100 To 200, Deduct	*-24.04*	
		For >200, Deduct	*-35.58*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 11-0001)*

07 52 16 11-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.11	
07 52 16 11-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.69	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.73	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0025	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.15	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0026	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.68	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0027	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	6.64	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0028	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.75	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0029	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	4.85	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0030	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.37	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0031	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	5.60	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 11-0032	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	7.48	
07 52 16 11-0033	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied	14.26	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12		**Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** *(07 52 16)*		
07 52 16 12-0001		Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 12)* Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.		
07 52 16 12-0002		Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 12-0001)*		
07 52 16 12-0003	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	136.10	
		For Up To 10, Add	*34.34*	
		For >10 To 20, Add	*18.95*	
		For >20 To 40, Add	*10.36*	
		For >75 To 100, Deduct	*-5.18*	
		For >100 To 200, Deduct	*-11.25*	
		For >200, Deduct	*-16.44*	
07 52 16 12-0004	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	188.40	
		For Up To 10, Add	*44.80*	
		For >10 To 20, Add	*24.18*	
		For >20 To 40, Add	*12.98*	
		For >75 To 100, Deduct	*-6.49*	
		For >100 To 200, Deduct	*-13.87*	
		For >200, Deduct	*-20.36*	
07 52 16 12-0005	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped	195.15	
		For Up To 10, Add	*46.15*	
		For >10 To 20, Add	*24.85*	
		For >20 To 40, Add	*13.32*	
		For >75 To 100, Deduct	*-6.66*	
		For >100 To 200, Deduct	*-14.21*	
		For >200, Deduct	*-20.86*	
07 52 16 12-0006	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped	278.58	
		For Up To 10, Add	*62.83*	
		For >10 To 20, Add	*33.20*	
		For >20 To 40, Add	*17.49*	
		For >75 To 100, Deduct	*-8.74*	
		For >100 To 200, Deduct	*-18.38*	
		For >200, Deduct	*-27.12*	
07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped	363.01	
		For Up To 10, Add	*79.72*	
		For >10 To 20, Add	*41.64*	
		For >20 To 40, Add	*21.71*	
		For >75 To 100, Deduct	*-10.85*	
		For >100 To 200, Deduct	*-22.60*	
		For >200, Deduct	*-33.45*	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	296.40	
		For Up To 10, Add	*67.07*	
		For >10 To 20, Add	*35.49*	
		For >20 To 40, Add	*18.72*	
		For >75 To 100, Deduct	*-9.36*	
		For >100 To 200, Deduct	*-19.69*	
		For >200, Deduct	*-29.05*	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	305.48	
		For Up To 10, Add	*68.89*	
		For >10 To 20, Add	*36.39*	
		For >20 To 40, Add	*19.17*	
		For >75 To 100, Deduct	*-9.59*	
		For >100 To 200, Deduct	*-20.15*	
		For >200, Deduct	*-29.73*	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	262.96	
		For Up To 10, Add	*60.39*	
		For >10 To 20, Add	*32.14*	
		For >20 To 40, Add	*17.05*	
		For >75 To 100, Deduct	*-8.52*	
		For >100 To 200, Deduct	*-18.02*	
		For >200, Deduct	*-26.54*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	266.88	
		For Up To 10, Add	*61.17*	
		For >10 To 20, Add	*32.53*	
		For >20 To 40, Add	*17.24*	
		For >75 To 100, Deduct	*-8.62*	
		For >100 To 200, Deduct	*-18.22*	
		For >200, Deduct	*-26.84*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	303.07	
		For Up To 10, Add	*68.41*	
		For >10 To 20, Add	*36.15*	
		For >20 To 40, Add	*19.05*	
		For >75 To 100, Deduct	*-9.53*	
		For >100 To 200, Deduct	*-20.02*	
		For >200, Deduct	*-29.55*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	309.10	
		For Up To 10, Add	*69.61*	
		For >10 To 20, Add	*36.76*	
		For >20 To 40, Add	*19.35*	
		For >75 To 100, Deduct	*-9.68*	
		For >100 To 200, Deduct	*-20.33*	
		For >200, Deduct	*-30.00*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	361.87	
		For Up To 10, Add	*80.17*	
		For >10 To 20, Add	*42.03*	
		For >20 To 40, Add	*21.99*	
		For >75 To 100, Deduct	*-11.00*	
		For >100 To 200, Deduct	*-22.96*	
		For >200, Deduct	*-33.96*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	458.00	
		For Up To 10, Add	*99.39*	
		For >10 To 20, Add	*51.65*	
		For >20 To 40, Add	*26.80*	
		For >75 To 100, Deduct	*-13.40*	
		For >100 To 200, Deduct	*-27.77*	
		For >200, Deduct	*-41.17*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	269.51	
		For Up To 10, Add	*61.70*	
		For >10 To 20, Add	*32.80*	
		For >20 To 40, Add	*17.37*	
		For >75 To 100, Deduct	*-8.69*	
		For >100 To 200, Deduct	*-18.35*	
		For >200, Deduct	*-27.03*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	278.94	
		For Up To 10, Add	*63.58*	
		For >10 To 20, Add	*33.74*	
		For >20 To 40, Add	*17.84*	
		For >75 To 100, Deduct	*-8.92*	
		For >100 To 200, Deduct	*-18.82*	
		For >200, Deduct	*-27.74*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0018	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	330.21	
		For Up To 10, Add	*73.84*	
		For >10 To 20, Add	*38.87*	
		For >20 To 40, Add	*20.41*	
		For >75 To 100, Deduct	*-10.20*	
		For >100 To 200, Deduct	*-21.38*	
		For >200, Deduct	*-31.59*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0019	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	331.41	
		For Up To 10, Add	*74.08*	
		For >10 To 20, Add	*38.99*	
		For >20 To 40, Add	*20.47*	
		For >75 To 100, Deduct	*-10.23*	
		For >100 To 200, Deduct	*-21.44*	
		For >200, Deduct	*-31.68*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 12-0020	SQ	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped	354.33	
		For Up To 10, Add	*78.66*	
		For >10 To 20, Add	*41.28*	
		For >20 To 40, Add	*21.61*	
		For >75 To 100, Deduct	*-10.81*	
		For >100 To 200, Deduct	*-22.59*	
		For >200, Deduct	*-33.39*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 12-0001)*

07 52 16 12-0022	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.88	
07 52 16 12-0023	SF	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.46	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0024	SF	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.50	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0025	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.86	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0026	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.92	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0027	SF	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.45	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0028	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	6.41	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 12-0029	SF	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.52	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0030	SF	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	4.62	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0031	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.05	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0032	SF	170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	5.37	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 12-0033	SF	145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	7.25	
07 52 16 12-0034	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped	14.02	

07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 13)*

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 13-0001)*

07 52 16 13-0003	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied	281.63	
		For Up To 10, Add	*66.82*	
		For >10 To 20, Add	*36.03*	
		For >20 To 40, Add	*19.33*	
		For >75 To 100, Deduct	*-9.66*	
		For >100 To 200, Deduct	*-20.64*	
		For >200, Deduct	*-30.30*	
07 52 16 13-0004	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	252.38	
		For Up To 10, Add	*60.97*	
		For >10 To 20, Add	*33.11*	
		For >20 To 40, Add	*17.87*	
		For >75 To 100, Deduct	*-8.93*	
		For >100 To 200, Deduct	*-19.18*	
		For >200, Deduct	*-28.11*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	286.76	
		For Up To 10, Add	*67.84*	
		For >10 To 20, Add	*36.55*	
		For >20 To 40, Add	*19.58*	
		For >75 To 100, Deduct	*-9.79*	
		For >100 To 200, Deduct	*-20.90*	
		For >200, Deduct	*-30.69*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	442.60	
		For Up To 10, Add	*99.01*	
		For >10 To 20, Add	*52.13*	
		For >20 To 40, Add	*27.38*	
		For >75 To 100, Deduct	*-13.69*	
		For >100 To 200, Deduct	*-28.69*	
		For >200, Deduct	*-42.38*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	262.21	
		For Up To 10, Add	*62.93*	
		For >10 To 20, Add	*34.09*	
		For >20 To 40, Add	*18.36*	
		For >75 To 100, Deduct	*-9.18*	
		For >100 To 200, Deduct	*-19.67*	
		For >200, Deduct	*-28.85*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	302.74	
		For Up To 10, Add	*71.04*	
		For >10 To 20, Add	*38.14*	
		For >20 To 40, Add	*20.38*	
		For >75 To 100, Deduct	*-10.19*	
		For >100 To 200, Deduct	*-21.69*	
		For >200, Deduct	*-31.89*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	315.73	
		For Up To 10, Add	*73.82*	
		For >10 To 20, Add	*39.58*	
		For >20 To 40, Add	*21.13*	
		For >75 To 100, Deduct	*-10.56*	
		For >100 To 200, Deduct	*-22.46*	
		For >200, Deduct	*-33.02*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied	410.33	
		For Up To 10, Add	*92.74*	
		For >10 To 20, Add	*49.04*	
		For >20 To 40, Add	*25.86*	
		For >75 To 100, Deduct	*-12.93*	
		For >100 To 200, Deduct	*-27.19*	
		For >200, Deduct	*-40.12*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 13-0001)*

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.95	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	3.92	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.47	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.11	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	4.19	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.15	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	5.35	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied	13.09	

07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 14-0001 Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 14)*

Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.

07 52 16 14-0002 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets *(07 52 16 14-0001)*

07 52 16 14-0003	SQ	35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened	177.30	
		For Up To 10, Add	*38.95*	
		For >10 To 20, Add	*20.35*	
		For >20 To 40, Add	*10.61*	
		For >75 To 100, Deduct	*-5.31*	
		For >100 To 200, Deduct	*-11.05*	
		For >200, Deduct	*-16.35*	
07 52 16 14-0004	SQ	50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	136.04	
		For Up To 10, Add	*30.70*	
		For >10 To 20, Add	*16.22*	
		For >20 To 40, Add	*8.55*	
		For >75 To 100, Deduct	*-4.27*	
		For >100 To 200, Deduct	*-8.99*	
		For >200, Deduct	*-13.26*	
07 52 16 14-0005	SQ	80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	176.66	
		For Up To 10, Add	*38.83*	
		For >10 To 20, Add	*20.29*	
		For >20 To 40, Add	*10.58*	
		For >75 To 100, Deduct	*-5.29*	
		For >100 To 200, Deduct	*-11.02*	
		For >200, Deduct	*-16.31*	
07 52 16 14-0006	SQ	90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened	221.53	
		For Up To 10, Add	*47.80*	
		For >10 To 20, Add	*24.77*	
		For >20 To 40, Add	*12.82*	
		For >75 To 100, Deduct	*-6.41*	
		For >100 To 200, Deduct	*-13.26*	
		For >200, Deduct	*-19.67*	
07 52 16 14-0007	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened	278.52	
		For Up To 10, Add	*59.20*	
		For >10 To 20, Add	*30.47*	
		For >20 To 40, Add	*15.67*	
		For >75 To 100, Deduct	*-7.84*	
		For >100 To 200, Deduct	*-16.11*	
		For >200, Deduct	*-23.95*	

07 52 16 14-0008 Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 14-0001)*

07 52 16 14-0009	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.43	
07 52 16 14-0010	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened	3.51	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 52 16 15 Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing *(07 52 16)*

07 52 16 15-0001 Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing *(07 52 16 15)*

Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.

07 52 16 15-0002 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets *(07 52 16 15-0001)*

07 52 16 15-0003	SQ	60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	141.49	
		For Up To 10, Add	*32.49*	
		For >10 To 20, Add	*17.30*	
		For >20 To 40, Add	*9.17*	
		For >75 To 100, Deduct	*-4.59*	
		For >100 To 200, Deduct	*-9.70*	
		For >200, Deduct	*-14.28*	
07 52 16 15-0004	SQ	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	150.04	
		For Up To 10, Add	*34.20*	
		For >10 To 20, Add	*18.15*	
		For >20 To 40, Add	*9.60*	
		For >75 To 100, Deduct	*-4.80*	
		For >100 To 200, Deduct	*-10.12*	
		For >200, Deduct	*-14.92*	
07 52 16 15-0005	SQ	120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering	254.38	
		For Up To 10, Add	*55.39*	
		For >10 To 20, Add	*28.82*	
		For >20 To 40, Add	*14.97*	
		For >75 To 100, Deduct	*-7.49*	
		For >100 To 200, Deduct	*-15.54*	
		For >200, Deduct	*-23.02*	
07 52 16 15-0006	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	304.49	
		For Up To 10, Add	*65.41*	
		For >10 To 20, Add	*33.83*	
		For >20 To 40, Add	*17.48*	
		For >75 To 100, Deduct	*-8.74*	
		For >100 To 200, Deduct	*-18.04*	
		For >200, Deduct	*-26.78*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	
07 52 16 15-0007	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering	452.25	
		For Up To 10, Add	*94.96*	
		For >10 To 20, Add	*48.61*	
		For >20 To 40, Add	*24.87*	
		For >75 To 100, Deduct	*-12.43*	
		For >100 To 200, Deduct	*-25.43*	
		For >200, Deduct	*-37.87*	
		For Factory Applied White Reflective Surfacing, Add	*108.28*	

07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing *(07 52 16 15-0001)*

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	3.90	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.39	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	5.87	
		For Factory Applied White Reflective Surfacing, Add	*1.08*	

07 53 Elastomeric Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 53 16 Chlorosulfonate-Polyethylene Roofing *(07 53)*

07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes *(07 53 16)*

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered Note: Includes adhesive.	532.79	83.93
		For Up To 10, Add	*140.13*	
		For >10 To 20, Add	*78.46*	
		For >20 To 40, Add	*43.42*	
		For >75 To 100, Deduct	*-21.71*	
		For >100 To 200, Deduct	*-47.62*	
		For >200, Deduct	*-69.33*	
		For 15 Year Warranty, Add	*3.00*	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted Note: Includes ballast.	396.27	41.96
		For Up To 10, Add	*96.04*	
		For >10 To 20, Add	*52.22*	
		For >20 To 40, Add	*28.21*	
		For >75 To 100, Deduct	*-14.10*	
		For >100 To 200, Deduct	*-30.30*	
		For >200, Deduct	*-44.41*	
		For 15 Year Warranty, Add	*3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	421.97	62.94
		For Up To 10, Add	*109.57*	
		For >10 To 20, Add	*61.08*	
		For >20 To 40, Add	*33.69*	
		For >75 To 100, Deduct	*-16.84*	
		For >100 To 200, Deduct	*-36.83*	
		For >200, Deduct	*-53.68*	
		For 15 Year Warranty, Add	*3.00*	
		For Mechanically Fastened To Concrete Decks, Add	*31.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*32.79*	

07 53 23 Ethylene-Propylene-Diene-Monomer Roofing *(07 53)*

07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes *(07 53 23)*

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	288.55	41.96
		For Up To 10, Add	*74.50*	
		For >10 To 20, Add	*41.44*	
		For >20 To 40, Add	*22.82*	
		For >75 To 100, Deduct	*-11.41*	
		For >100 To 200, Deduct	*-24.92*	
		For >200, Deduct	*-36.33*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	372.59	44.58
		For Up To 10, Add	*92.35*	
		For >10 To 20, Add	*50.63*	
		For >20 To 40, Add	*27.55*	
		For >75 To 100, Deduct	*-13.77*	
		For >100 To 200, Deduct	*-29.78*	
		For >200, Deduct	*-43.55*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
07 53 23 00-0004	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted Note: Includes ballast.	501.86	47.21
		For Up To 10, Add	*119.26*	
		For >10 To 20, Add	*64.35*	
		For >20 To 40, Add	*34.54*	
		For >75 To 100, Deduct	*-17.27*	
		For >100 To 200, Deduct	*-36.90*	
		For >200, Deduct	*-54.16*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
07 53 23 00-0005	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	341.47	62.94
		For Up To 10, Add	*93.47*	
		For >10 To 20, Add	*53.03*	
		For >20 To 40, Add	*29.66*	
		For >75 To 100, Deduct	*-14.83*	
		For >100 To 200, Deduct	*-32.81*	
		For >200, Deduct	*-47.64*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.17*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.15*	
07 53 23 00-0006	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	425.51	65.57
		For Up To 10, Add	*111.33*	
		For >10 To 20, Add	*62.22*	
		For >20 To 40, Add	*34.39*	
		For >75 To 100, Deduct	*-17.19*	
		For >100 To 200, Deduct	*-37.67*	
		For >200, Deduct	*-54.86*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.17*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*129.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0007	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive and fasteners.	554.79	68.19
		For Up To 10, Add	*138.24*	
		For >10 To 20, Add	*75.94*	
		For >20 To 40, Add	*41.38*	
		For >75 To 100, Deduct	*-20.69*	
		For >100 To 200, Deduct	*-44.79*	
		For >200, Deduct	*-65.48*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*32.17*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*143.83*	
07 53 23 00-0008	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	449.75	83.93
		For Up To 10, Add	*123.52*	
		For >10 To 20, Add	*70.15*	
		For >20 To 40, Add	*39.27*	
		For >75 To 100, Deduct	*-19.64*	
		For >100 To 200, Deduct	*-43.47*	
		For >200, Deduct	*-63.11*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For Low VOC Adhesive, Add	*80.43*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*117.15*	
07 53 23 00-0009	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	533.80	86.55
		For Up To 10, Add	*141.38*	
		For >10 To 20, Add	*79.35*	
		For >20 To 40, Add	*44.00*	
		For >75 To 100, Deduct	*-22.00*	
		For >100 To 200, Deduct	*-48.33*	
		For >200, Deduct	*-70.33*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For Low VOC Adhesive, Add	*80.43*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*129.91*	
07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered Note: Includes adhesive and fasteners.	663.06	89.17
		For Up To 10, Add	*168.28*	
		For >10 To 20, Add	*93.06*	
		For >20 To 40, Add	*50.99*	
		For >75 To 100, Deduct	*-25.49*	
		For >100 To 200, Deduct	*-55.45*	
		For >200, Deduct	*-80.94*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Low VOC Adhesive, Add	*80.43*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Integral Polyester Fleece-Backing, Add	*143.83*	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	314.00	62.94
		For Up To 10, Add	*87.98*	
		For >10 To 20, Add	*50.28*	
		For >20 To 40, Add	*28.29*	
		For >75 To 100, Deduct	*-14.14*	
		For >100 To 200, Deduct	*-31.44*	
		For >200, Deduct	*-45.58*	
		For 15 Year Warranty, Add	*3.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*31.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*32.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	398.04	65.57
		For Up To 10, Add	*105.83*	
		For >10 To 20, Add	*59.47*	
		For >20 To 40, Add	*33.02*	
		For >75 To 100, Deduct	*-16.51*	
		For >100 To 200, Deduct	*-36.29*	
		For >200, Deduct	*-52.80*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	*27.68*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*32.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*34.10*	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	527.32	68.19
		For Up To 10, Add	*132.74*	
		For >10 To 20, Add	*73.19*	
		For >20 To 40, Add	*40.01*	
		For >75 To 100, Deduct	*-20.00*	
		For >100 To 200, Deduct	*-43.41*	
		For >200, Deduct	*-63.42*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low Slope Fire Rated, Add	*8.70*	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	*83.02*	
		For Mechanically Fastened To Concrete Decks, Add	*34.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*35.42*	

07 53 23 00-0014 Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories *(07 53 23)*

07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat	71.88	
		For Up To 10, Add	*18.57*	
		For >10 To 20, Add	*10.34*	
		For >20 To 40, Add	*5.69*	
		For >75 To 100, Deduct	*-2.85*	
		For >100 To 200, Deduct	*-6.22*	
		For >200, Deduct	*-9.06*	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat Note: 55% solids by volume.	74.42	
		For Up To 10, Add	*19.08*	
		For >10 To 20, Add	*10.59*	
		For >20 To 40, Add	*5.82*	
		For >75 To 100, Deduct	*-2.91*	
		For >100 To 200, Deduct	*-6.34*	
		For >200, Deduct	*-9.25*	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	44.65	9.97
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	64.74	9.97
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	122.70	9.97
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	163.15	11.02
07 53 23 00-0021	LF	30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad Note: Includes factory installed peel and stick adhesive tape.	35.02	6.09
07 53 23 00-0022	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing	6.57	1.57
07 53 23 00-0023	SF	Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing	8.14	2.36

07 53 29 Polyisobutylene Roofing *(07 53)*

07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes *(07 53 29)*

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ	100 Mil, Single Ply PIB Roofing Membrane, Ballasted Note: Includes ballast.	528.02	47.21
		For Up To 10, Add	*124.49*	
		For >10 To 20, Add	*66.97*	
		For >20 To 40, Add	*35.84*	
		For >75 To 100, Deduct	*-17.92*	
		For >100 To 200, Deduct	*-38.20*	
		For >200, Deduct	*-56.13*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 29 00-0003	SQ	100 Mil, Single Ply PIB Roofing Membrane, (40%) Partially Adhered Note: Includes adhesive.	586.73	68.19
		For Up To 10, Add	*144.62*	
		For >10 To 20, Add	*79.13*	
		For >20 To 40, Add	*42.98*	
		For >75 To 100, Deduct	*-21.49*	
		For >100 To 200, Deduct	*-46.39*	
		For >200, Deduct	*-67.87*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
07 53 29 00-0004	SQ	100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered Note: Includes adhesive.	703.69	89.17
		For Up To 10, Add	*176.41*	
		For >10 To 20, Add	*97.12*	
		For >20 To 40, Add	*53.02*	
		For >75 To 100, Deduct	*-26.51*	
		For >100 To 200, Deduct	*-57.48*	
		For >200, Deduct	*-83.99*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	

07 54 Thermoplastic Membrane Roofing *(07 50)*

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

07 54 19 Polyvinyl-Chloride Roofing *(07 54)*

07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes *(07 54 19)*

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	237.35	41.96
		For Up To 10, Add	*64.26*	
		For >10 To 20, Add	*36.32*	
		For >20 To 40, Add	*20.26*	
		For >75 To 100, Deduct	*-10.13*	
		For >100 To 200, Deduct	*-22.36*	
		For >200, Deduct	*-32.49*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0003	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	265.64	44.58
		For Up To 10, Add	*70.96*	
		For >10 To 20, Add	*39.94*	
		For >20 To 40, Add	*22.20*	
		For >75 To 100, Deduct	*-11.10*	
		For >100 To 200, Deduct	*-24.43*	
		For >200, Deduct	*-35.53*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	297.73	45.90
		For Up To 10, Add	*77.90*	
		For >10 To 20, Add	*43.54*	
		For >20 To 40, Add	*24.07*	
		For >75 To 100, Deduct	*-12.03*	
		For >100 To 200, Deduct	*-26.36*	
		For >200, Deduct	*-38.39*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted Note: Includes ballast.	313.17	47.21
		For Up To 10, Add	*81.52*	
		For >10 To 20, Add	*45.48*	
		For >20 To 40, Add	*25.10*	
		For >75 To 100, Deduct	*-12.55*	
		For >100 To 200, Deduct	*-27.46*	
		For >200, Deduct	*-40.01*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	443.24	83.93
		For Up To 10, Add	*122.22*	
		For >10 To 20, Add	*69.50*	
		For >20 To 40, Add	*38.95*	
		For >75 To 100, Deduct	*-19.47*	
		For >100 To 200, Deduct	*-43.14*	
		For >200, Deduct	*-62.62*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	471.55	86.55
		For Up To 10, Add	*128.93*	
		For >10 To 20, Add	*73.12*	
		For >20 To 40, Add	*40.89*	
		For >75 To 100, Deduct	*-20.44*	
		For >100 To 200, Deduct	*-45.22*	
		For >200, Deduct	*-65.66*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	503.63	87.86
		For Up To 10, Add	*135.87*	
		For >10 To 20, Add	*76.72*	
		For >20 To 40, Add	*42.75*	
		For >75 To 100, Deduct	*-21.38*	
		For >100 To 200, Deduct	*-47.15*	
		For >200, Deduct	*-68.52*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered Note: Includes adhesive.	519.07	89.17
		For Up To 10, Add	*139.48*	
		For >10 To 20, Add	*78.66*	
		For >20 To 40, Add	*43.79*	
		For >75 To 100, Deduct	*-21.89*	
		For >100 To 200, Deduct	*-48.25*	
		For >200, Deduct	*-70.14*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Low VOC Adhesive, Add	*84.43*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
07 54 19 00-0010	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	254.55	62.94
		For Up To 10, Add	*76.09*	
		For >10 To 20, Add	*44.34*	
		For >20 To 40, Add	*25.32*	
		For >75 To 100, Deduct	*-12.66*	
		For >100 To 200, Deduct	*-28.46*	
		For >200, Deduct	*-41.12*	
		For 15 Year Warranty, Add	*3.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*31.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*32.79*	
07 54 19 00-0011	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	282.85	65.57
		For Up To 10, Add	*82.80*	
		For >10 To 20, Add	*47.95*	
		For >20 To 40, Add	*27.26*	
		For >75 To 100, Deduct	*-13.63*	
		For >100 To 200, Deduct	*-30.53*	
		For >200, Deduct	*-44.16*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*32.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*34.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0012	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	314.93	66.88
		For Up To 10, Add	*89.74*	
		For >10 To 20, Add	*51.56*	
		For >20 To 40, Add	*29.12*	
		For >75 To 100, Deduct	*-14.56*	
		For >100 To 200, Deduct	*-32.47*	
		For >200, Deduct	*-47.03*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*33.44*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*34.76*	
07 54 19 00-0013	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	330.38	68.19
		For Up To 10, Add	*93.35*	
		For >10 To 20, Add	*53.50*	
		For >20 To 40, Add	*30.16*	
		For >75 To 100, Deduct	*-15.08*	
		For >100 To 200, Deduct	*-33.57*	
		For >200, Deduct	*-48.65*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Colors, Add	*26.00*	
		For Integral Polyester Fleece-Backing, Add	*44.09*	
		For Mechanically Fastened To Concrete Decks, Add	*34.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*35.42*	

07 54 19 00-0014 Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories *(07 54 19)*

07 54 19 00-0015	SQ	Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat	71.88	
		For Up To 10, Add	*18.57*	
		For >10 To 20, Add	*10.34*	
		For >20 To 40, Add	*5.69*	
		For >75 To 100, Deduct	*-2.85*	
		For >100 To 200, Deduct	*-6.22*	
		For >200, Deduct	*-9.06*	
07 54 19 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat Note: 55% solids by volume.	74.42	
		For Up To 10, Add	*19.08*	
		For >10 To 20, Add	*10.59*	
		For >20 To 40, Add	*5.82*	
		For >75 To 100, Deduct	*-2.91*	
		For >100 To 200, Deduct	*-6.34*	
		For >200, Deduct	*-9.25*	
07 54 19 00-0017	EA	Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	75.45	8.91
07 54 19 00-0018	EA	>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	106.41	9.97
07 54 19 00-0019	EA	>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	136.44	11.02
07 54 19 00-0020	EA	6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	174.16	11.02
07 54 19 00-0021	LF	36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad	29.84	6.09
07 54 19 00-0022	SF	Polyvinyl Chloride (PVC) Membrane Base Flashing	7.88	1.57
07 54 19 00-0023	SF	Polyvinyl Chloride (PVC) Membrane Curb Flashing	9.45	2.36
07 54 19 00-0024	SF	Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	10.76	1.57

07 54 23 Thermoplastic-Polyolefin Roofing *(07 54)*

07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes *(07 54 23)*

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	441.28	83.93
		For Up To 10, Add	*121.83*	
		For >10 To 20, Add	*69.31*	
		For >20 To 40, Add	*38.85*	
		For >75 To 100, Deduct	*-19.42*	
		For >100 To 200, Deduct	*-43.05*	
		For >200, Deduct	*-62.47*	
		For 15 Year Warranty, Add	*3.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0003	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	462.32	85.24
		For Up To 10, Add	*126.56*	
		For >10 To 20, Add	*71.80*	
		For >20 To 40, Add	*40.16*	
		For >75 To 100, Deduct	*-20.08*	
		For >100 To 200, Deduct	*-44.42*	
		For >200, Deduct	*-64.51*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0004	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	473.15	86.55
		For Up To 10, Add	*129.25*	
		For >10 To 20, Add	*73.28*	
		For >20 To 40, Add	*40.97*	
		For >75 To 100, Deduct	*-20.48*	
		For >100 To 200, Deduct	*-45.30*	
		For >200, Deduct	*-65.78*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0005	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered Note: Includes adhesive.	615.17	89.17
		For Up To 10, Add	*158.70*	
		For >10 To 20, Add	*88.27*	
		For >20 To 40, Add	*48.59*	
		For >75 To 100, Deduct	*-24.30*	
		For >100 To 200, Deduct	*-53.05*	
		For >200, Deduct	*-77.35*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Low VOC Adhesive, Add	*80.43*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
07 54 23 00-0006	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	292.51	62.94
		For Up To 10, Add	*83.68*	
		For >10 To 20, Add	*48.13*	
		For >20 To 40, Add	*27.21*	
		For >75 To 100, Deduct	*-13.61*	
		For >100 To 200, Deduct	*-30.36*	
		For >200, Deduct	*-43.97*	
		For 15 Year Warranty, Add	*3.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*31.47*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*32.79*	
07 54 23 00-0007	SQ	50 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	313.55	64.26
		For Up To 10, Add	*88.41*	
		For >10 To 20, Add	*50.63*	
		For >20 To 40, Add	*28.53*	
		For >75 To 100, Deduct	*-14.26*	
		For >100 To 200, Deduct	*-31.74*	
		For >200, Deduct	*-46.01*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*32.13*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*33.45*	
07 54 23 00-0008	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	324.36	65.57
		For Up To 10, Add	*91.10*	
		For >10 To 20, Add	*52.11*	
		For >20 To 40, Add	*29.33*	
		For >75 To 100, Deduct	*-14.67*	
		For >100 To 200, Deduct	*-32.61*	
		For >200, Deduct	*-47.27*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*32.78*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*34.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0009	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened Note: Includes fasteners.	466.39	68.19
		For Up To 10, Add	*120.56*	
		For >10 To 20, Add	*67.10*	
		For >20 To 40, Add	*36.96*	
		For >75 To 100, Deduct	*-18.48*	
		For >100 To 200, Deduct	*-40.37*	
		For >200, Deduct	*-58.85*	
		For 15 Year Warranty, Add	*3.00*	
		For 20 Year Warranty, Add	*7.00*	
		For 25 Year Warranty, Add	*9.00*	
		For Integral Polyester Fleece-Backing, Add	*33.25*	
		For Mechanically Fastened To Concrete Decks, Add	*34.10*	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	*35.42*	

07 54 23 00-0010 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories *(07 54 23)*

07 54 23 00-0011	SQ	Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat	85.88	
		For Up To 10, Add	*21.37*	
		For >10 To 20, Add	*11.74*	
		For >20 To 40, Add	*6.39*	
		For >75 To 100, Deduct	*-3.20*	
		For >100 To 200, Deduct	*-6.92*	
		For >200, Deduct	*-10.11*	
07 54 23 00-0012	SQ	Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat Note: 55% solids by volume.	74.42	
		For Up To 10, Add	*19.08*	
		For >10 To 20, Add	*10.59*	
		For >20 To 40, Add	*5.82*	
		For >75 To 100, Deduct	*-2.91*	
		For >100 To 200, Deduct	*-6.34*	
		For >200, Deduct	*-9.25*	
		For Tan Or Gray Color, Add	*2.67*	
07 54 23 00-0013	EA	Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	64.75	8.91
07 54 23 00-0014	EA	>3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	69.83	9.97
07 54 23 00-0015	EA	6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	129.63	11.02
07 54 23 00-0016	LF	30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad	29.45	6.09
07 54 23 00-0017	SF	Thermoplastic Polyolefin (TPO) Membrane Base Flashing	8.25	1.57
07 54 23 00-0018	SF	Thermoplastic Polyolefin (TPO) Curb Flashing	6.92	1.57
		For Tan Or Gray Color, Add	*0.11*	
07 54 23 00-0019	SF	Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.	12.23	1.57

07 55 Protected Membrane Roofing *(07 50)*

07 55 52 Modified Bituminous Protected Membrane Roofing *(07 55)*

07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing *(07 55 52)*

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

07 56 Fluid-Applied Roofing *(07 50)*

07 56 00 00-0001 Neoprene Hypalon Liquid Roofing, 5 Coats *(07 56)*

07 56 00 00-0002	SQ	60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing	1,021.70	139.63
		For Each Additional Coat, Add	*153.26*	

07 56 00 00-0003 Vinyl Spray Liquid Roofing *(07 56)*

07 56 00 00-0004	SQ	2 Mil Vinyl Liquid Roofing	1,315.79	147.15
07 56 00 00-0005	SQ	4 Mil Vinyl Liquid Roofing	1,472.72	164.34

07 56 00 00-0006 Silicone Elastomeric Liquid Roofing *(07 56)*

07 56 00 00-0007	SQ	65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat	451.76	84.31
07 56 00 00-0008	SQ	65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat	533.47	84.31
07 56 00 00-0009	SQ	65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat	594.93	84.31

07 56 00 00-0010 Elastomeric Asphalt/Urethane Liquid Roofing Membrane *(07 56)*

07 56 00 00-0011	SQ	90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 60 mil second coat.	1,806.06	84.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 56 00 00-0012		Urethane Liquid Roofing Membrane *(07 56)* Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.		
07 56 00 00-0013	SQ	Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	100.05	
07 56 00 00-0014	LF	Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems	5.06	
07 56 00 00-0015	SQ	White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ)	382.27	
07 56 00 00-0016	SQ	White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System	97.73	
07 56 00 00-0017	SQ	White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	946.84	
07 56 00 00-0018	SQ	White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	1,433.92	
07 56 00 00-0019	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply	979.64	
07 56 00 00-0020	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ)	250.83	

07 57 Coated Foamed Roofing *(07 50)*

07 57 13 Sprayed Polyurethane Foam Roofing *(07 57)*

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001 Sprayed Polyurethane Foam Roofing Systems *(07 57 13)*

07 57 13 00-0002 Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating *(07 57 13 00-0001)*

07 57 13 00-0003 Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.

07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	388.16	51.57
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	470.17	55.26
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	552.19	58.94
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	642.61	62.62
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	733.02	66.31
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	806.64	69.99
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	880.26	73.68
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	962.27	77.36
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,044.29	81.04
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,126.30	84.73
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating	1,208.32	88.41

07 57 13 00-0015 Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating *(07 57 13 00-0002)*

Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.

07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	401.23	51.57
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	483.25	55.26
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	565.26	58.94
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	647.27	62.62
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	729.29	66.31
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	811.31	69.99
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	893.33	73.68
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	975.34	77.36
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,057.36	81.04
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,139.38	84.73
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating	1,221.39	88.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0027		**Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating** *(07 57 13 00-0002)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	432.98	51.57
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	512.19	55.26
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	591.40	58.94
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	673.42	62.62
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	755.44	66.31
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	872.37	69.99
07 57 13 00-0034	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	989.32	73.68
07 57 13 00-0035	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,078.43	77.36
07 57 13 00-0036	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,167.54	81.04
07 57 13 00-0037	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,256.65	84.73
07 57 13 00-0038	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating	1,345.77	88.41
07 57 13 00-0039		**Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating** *(07 57 13 00-0001)*		
07 57 13 00-0040		**Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating** *(07 57 13 00-0039)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0041	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	442.32	51.57
07 57 13 00-0042	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	531.43	55.26
07 57 13 00-0043	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	620.54	58.94
07 57 13 00-0044	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	709.65	62.62
07 57 13 00-0045	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	798.76	66.31
07 57 13 00-0046	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	887.87	69.99
07 57 13 00-0047	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	976.99	73.68
07 57 13 00-0048	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,066.11	77.36
07 57 13 00-0049	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,155.22	81.04
07 57 13 00-0050	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,244.33	84.73
07 57 13 00-0051	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating	1,333.44	88.41
07 57 13 00-0052		**Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating** *(07 57 13 00-0039)* Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0053	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	460.80	51.57
07 57 13 00-0054	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	549.91	55.26
07 57 13 00-0055	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	639.03	58.94
07 57 13 00-0056	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	728.14	62.62
07 57 13 00-0057	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	817.25	66.31
07 57 13 00-0058	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	906.36	69.99
07 57 13 00-0059	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	995.48	73.68
07 57 13 00-0060	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,084.59	77.36
07 57 13 00-0061	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,173.71	81.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0062	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,262.82	84.73
07 57 13 00-0063	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating	1,351.93	88.41
07 57 13 00-0064		Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating *(07 57 13 00-0039)*		
		Note: Includes UL 790 fire rated 2.8 Lb. density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	475.18	51.57
07 57 13 00-0066	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	564.29	55.26
07 57 13 00-0067	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	653.41	58.94
07 57 13 00-0068	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	742.52	62.62
07 57 13 00-0069	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	831.63	66.31
07 57 13 00-0070	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	920.74	69.99
07 57 13 00-0071	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,009.86	73.68
07 57 13 00-0072	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,098.97	77.36
07 57 13 00-0073	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,188.09	81.04
07 57 13 00-0074	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,277.20	84.73
07 57 13 00-0075	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating	1,366.31	88.41

07 58 Roll Roofing *(07 50)*

07 58 00 00-0001 Prepared Roll Roofing *(07 58)*

Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.

07 58 00 00-0002	SQ	Granule Surfaced, 90 Lb., Asphalt Saturated Organic Felt Roll Roofing	251.54	32.96

07 59 Membrane Roofing Termination Bar *(07 50)*

07 59 00 00-0001 Membrane Roofing Termination Bar *(07 59)*

07 59 00 00-0002	LF	Membrane Roofing Termination Bar Note: Includes fasteners and caulking.	4.91	1.51

07 60 Flashing and Sheet Metal *(07)*

07 61 Sheet Metal Roofing *(07 60)*

07 61 13 Standing Seam Sheet Metal Roofing *(07 61)*

07 61 13 00-0001 Standing Seam Concealed Fastener Roofing *(07 61 13)*

07 61 13 00-0002 Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*

07 61 13 00-0003	SF	Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing	37.14	3.43
		For Steep Roof, Over 6 To 12, Add	*2.06*	
		For 140 MPH Wind Load, Add	*1.29*	
		For Up To 1,500, Add	*9.29*	
		For Panels < 16" Wide, Add	*3.13*	
		For Up To 5000, Add	*3.71*	
		For > 5000 To 10000, Add	*0.93*	
07 61 13 00-0004	SF	Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing	40.66	3.72
		For Steep Roof, Over 6 To 12, Add	*2.23*	
		For Panels <16" Wide, Add	*3.41*	
		For 140 MPH Wind Load, Add	*1.41*	
		For Up To 1,500, Add	*10.17*	
		For >1,500 To 5,000, Add	*6.10*	
		For >5,000 To 10,000, Add	*1.02*	
		For Panels < 16" Wide, Add	*3.41*	
		For Up To 5000, Add	*4.07*	
		For > 5000 To 10000, Add	*1.02*	
07 61 13 00-0005	SF	Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing	47.99	4.05
		For Steep Roof, Over 6 To 12, Add	*2.43*	
		For 140 MPH Wind Load, Add	*1.61*	
		For Up To 1,500, Add	*12.00*	
		For Panels < 16" Wide, Add	*3.90*	
		For Up To 5000, Add	*4.80*	
		For > 5000 To 10000, Add	*1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 13 00-0006		Zinc/Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0007	SF	0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	43.47	3.72
		For Steep Roof, Over 6 To 12, Add	*2.23*	
		For Panels <16" Wide, Add	*3.55*	
		For 140 MPH Wind Load, Add	*1.46*	
		For Up To 1,500, Add	*10.87*	
		For >1,500 To 5,000, Add	*6.52*	
		For >5,000 To 10,000, Add	*1.09*	
		For Tin/Copper, Deduct	*-0.72*	
07 61 13 00-0008	SF	0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	52.80	3.88
		For Steep Roof, Over 6 To 12, Add	*2.33*	
		For Panels <16" Wide, Add	*4.07*	
		For 140 MPH Wind Load, Add	*1.68*	
		For Up To 1,500, Add	*13.20*	
		For >1,500 To 5,000, Add	*7.92*	
		For >5,000 To 10,000, Add	*1.32*	
		For Tin/Copper, Deduct	*-0.90*	
07 61 13 00-0009	SF	0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	60.10	4.05
		For Steep Roof, Over 6 To 12, Add	*2.43*	
		For Panels <16" Wide, Add	*4.51*	
		For 140 MPH Wind Load, Add	*1.85*	
		For Up To 1,500, Add	*15.03*	
		For >1,500 To 5,000, Add	*9.02*	
		For >5,000 To 10,000, Add	*1.50*	
		For Tin/Copper, Deduct	*-1.04*	
07 61 13 00-0010	SF	0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing	75.54	4.25
		For Steep Roof, Over 6 To 12, Add	*2.55*	
		For Panels <16" Wide, Add	*5.35*	
		For 140 MPH Wind Load, Add	*2.19*	
		For Up To 1,500, Add	*18.89*	
		For >1,500 To 5,000, Add	*11.33*	
		For >5,000 To 10,000, Add	*1.89*	
		For Tin/Copper, Deduct	*-1.34*	
07 61 13 00-0011		Accessories For Copper Standing Seam Concealed Fastener Roofing *(07 61 13 00-0001)*		
07 61 13 00-0012	LF	Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing	157.18	7.09
		For Steep Roof, Over 6 To 12, Add	*5.32*	
		For 140 MPH Wind Load, Add	*4.56*	
07 61 13 00-0013	LF	Eave Flashing For Copper Standing Seam Concealed Fastener Roofing	89.65	7.09
		For Steep Roof, Over 6 To 12, Add	*5.32*	
		For 140 MPH Wind Load, Add	*3.21*	
07 61 13 00-0014	LF	Valley Flashing For Copper Standing Seam Concealed Fastener Roofing	221.03	7.09
		For Steep Roof, Over 6 To 12, Add	*5.32*	
		For 140 MPH Wind Load, Add	*5.84*	
07 61 13 00-0015	LF	Hip Flashing For Copper Standing Seam Concealed Fastener Roofing	162.22	7.09
		For Steep Roof, Over 6 To 12, Add	*5.32*	
		For 140 MPH Wind Load, Add	*4.66*	
07 61 16		**Batten Seam Sheet Metal Roofing** *(07 61)*		
07 61 16 00-0001		Copper Batten Seam Concealed Fastener Roofing *(07 61 16)*		
07 61 16 00-0002		Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		
07 61 16 00-0003	SF	16 Ounce Copper Batten Seam Concealed Fastener Roofing	45.77	4.05
		For Steep Roof, Over 6 To 12, Add	*2.43*	
		For Panels <16" Wide, Add	*3.79*	
		For 140 MPH Wind Load, Add	*1.56*	
		For Up To 1,500, Add	*11.44*	
		For >1,500 To 5,000, Add	*6.87*	
		For >5,000 To 10,000, Add	*1.14*	
07 61 16 00-0004	SF	18 Ounce Copper Batten Seam Concealed Fastener Roofing	50.61	4.26
		For Steep Roof, Over 6 To 12, Add	*2.56*	
		For Panels <16" Wide, Add	*4.11*	
		For 140 MPH Wind Load, Add	*1.69*	
		For Up To 1,500, Add	*12.65*	
		For >1,500 To 5,000, Add	*7.59*	
		For >5,000 To 10,000, Add	*1.27*	
07 61 16 00-0005	SF	20 Ounce Copper Batten Seam Concealed Fastener Roofing	59.14	4.46
		For Steep Roof, Over 6 To 12, Add	*2.68*	
		For Panels <16" Wide, Add	*4.61*	
		For 140 MPH Wind Load, Add	*1.90*	
		For Up To 1,500, Add	*14.79*	
		For >1,500 To 5,000, Add	*8.87*	
		For >5,000 To 10,000, Add	*1.48*	
07 61 16 00-0006		Zinc/Copper Batten Seam Concealed Fastener Roofing *(07 61 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 16 00-0007	SF	0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	46.57	3.72
		For Steep Roof, Over 6 To 12, Add	*2.23*	
		For Panels <16" Wide, Add	*3.70*	
		For 140 MPH Wind Load, Add	*1.53*	
		For Up To 1,500, Add	*11.64*	
		For >1,500 To 5,000, Add	*6.99*	
		For >5,000 To 10,000, Add	*1.16*	
		For Tin/Copper, Deduct	*-0.78*	
07 61 16 00-0008	SF	0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	57.24	3.88
		For Steep Roof, Over 6 To 12, Add	*2.33*	
		For Panels <16" Wide, Add	*4.30*	
		For 140 MPH Wind Load, Add	*1.77*	
		For Up To 1,500, Add	*14.31*	
		For >1,500 To 5,000, Add	*8.59*	
		For >5,000 To 10,000, Add	*1.43*	
		For Tin/Copper, Deduct	*-0.99*	
07 61 16 00-0009	SF	0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	64.23	4.05
		For Steep Roof, Over 6 To 12, Add	*2.43*	
		For Panels <16" Wide, Add	*4.71*	
		For 140 MPH Wind Load, Add	*1.93*	
		For Up To 1,500, Add	*16.06*	
		For >1,500 To 5,000, Add	*9.63*	
		For >5,000 To 10,000, Add	*1.61*	
		For Tin/Copper, Deduct	*-1.12*	
07 61 16 00-0010	SF	0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing	80.86	4.25
		For Steep Roof, Over 6 To 12, Add	*2.55*	
		For Panels <16" Wide, Add	*5.61*	
		For 140 MPH Wind Load, Add	*2.30*	
		For Up To 1,500, Add	*20.22*	
		For >1,500 To 5,000, Add	*12.13*	
		For >5,000 To 10,000, Add	*2.02*	
		For Tin/Copper, Deduct	*-1.45*	

07 61 19 Flat Seam Sheet Metal Roofing *(07 61)*

07 61 19 00-0001 Copper Flat Seam Concealed Fastener Roofing *(07 61 19)*

07 61 19 00-0002 Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0003	SF	16 Ounce Copper Flat Seam Concealed Fastener Roofing	35.20	3.72
		For Steep Roof, Over 6 To 12, Add	*2.23*	
		For Panels <16" Wide, Add	*3.13*	
		For 140 MPH Wind Load, Add	*1.30*	
		For Up To 1,500, Add	*8.80*	
		For >1,500 To 5,000, Add	*5.28*	
		For >5,000 To 10,000, Add	*0.88*	
07 61 19 00-0004	SF	18 Ounce Copper Flat Seam Concealed Fastener Roofing	38.78	3.88
		For Steep Roof, Over 6 To 12, Add	*2.33*	
		For Panels <16" Wide, Add	*3.37*	
		For 140 MPH Wind Load, Add	*1.40*	
		For Up To 1,500, Add	*9.70*	
		For >1,500 To 5,000, Add	*5.82*	
		For >5,000 To 10,000, Add	*0.97*	
07 61 19 00-0005	SF	20 Ounce Copper Flat Seam Concealed Fastener Roofing	45.03	4.05
		For Steep Roof, Over 6 To 12, Add	*2.43*	
		For Panels <16" Wide, Add	*3.75*	
		For 140 MPH Wind Load, Add	*1.55*	
		For Up To 1,500, Add	*11.26*	
		For >1,500 To 5,000, Add	*6.75*	
		For >5,000 To 10,000, Add	*1.13*	

07 61 19 00-0006 Zinc/Copper Flat Seam Concealed Fastener Roofing *(07 61 19 00-0001)*

07 61 19 00-0007	SF	0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	40.66	3.72
		For Steep Roof, Over 6 To 12, Add	*2.23*	
		For Panels <16" Wide, Add	*3.41*	
		For 140 MPH Wind Load, Add	*1.41*	
		For Up To 1,500, Add	*10.17*	
		For >1,500 To 5,000, Add	*6.10*	
		For >5,000 To 10,000, Add	*1.02*	
		For Tin/Copper, Deduct	*-0.66*	
07 61 19 00-0008	SF	0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	49.85	3.88
		For Steep Roof, Over 6 To 12, Add	*2.33*	
		For Panels <16" Wide, Add	*3.93*	
		For 140 MPH Wind Load, Add	*1.62*	
		For Up To 1,500, Add	*12.46*	
		For >1,500 To 5,000, Add	*7.48*	
		For >5,000 To 10,000, Add	*1.25*	
		For Tin/Copper, Deduct	*-0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 61 19 00-0009	SF	0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	56.11	4.05
		For Steep Roof, Over 6 To 12, Add	*2.43*	
		For Panels <16" Wide, Add	*4.31*	
		For 140 MPH Wind Load, Add	*1.77*	
		For Up To 1,500, Add	*14.03*	
		For >1,500 To 5,000, Add	*8.42*	
		For >5,000 To 10,000, Add	*1.40*	
		For Tin/Copper, Deduct	*-0.96*	
07 61 19 00-0010	SF	0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing	70.52	4.25
		For Steep Roof, Over 6 To 12, Add	*2.55*	
		For Panels <16" Wide, Add	*5.10*	
		For 140 MPH Wind Load, Add	*2.09*	
		For Up To 1,500, Add	*17.63*	
		For >1,500 To 5,000, Add	*10.58*	
		For >5,000 To 10,000, Add	*1.76*	
		For Tin/Copper, Deduct	*-1.24*	

07 62 Sheet Metal Flashing and Trim *(07 60)*

07 62 13 Fabricated Copings *(07 62)*

07 62 13 00-0001 Lead Flashing And Trim *(07 62 13)*

07 62 13 00-0002	SF	2.5 Lb./SF, Sheet Lead Flashing	24.05	5.65
		For Up To 100, Add	*6.01*	
07 62 13 00-0003	SF	4 Lb./SF, Sheet Lead Flashing	31.58	5.65
		For Up To 100, Add	*7.90*	

07 62 13 00-0004 Copper Flashing And Trim *(07 62 13)*

07 62 13 00-0005 Copper Flashing And Trim *(07 62 13 00-0004)*

07 62 13 00-0006	SF	16 Ounce, 0.021" Thick, Copper Flashing And Trim	28.64	5.52
		For Up To 100, Add	*7.16*	
		For >500 To 2,000, Deduct	*-3.94*	
		For >2,000, Deduct	*-4.83*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.18*	
		For Wrap Around Window Panning, Add	*10.91*	
07 62 13 00-0007	SF	20 Ounce, 0.027" Thick, Copper Flashing And Trim	29.58	5.65
		For Up To 100, Add	*7.40*	
		For >500 To 2,000, Deduct	*-4.07*	
		For >2,000, Deduct	*-4.98*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.28*	
		For Wrap Around Window Panning, Add	*11.40*	
07 62 13 00-0008	SF	24 Ounce, 0.032" Thick, Copper Flashing And Trim	33.76	6.02
		For Up To 100, Add	*8.44*	
		For >500 To 2,000, Deduct	*-4.63*	
		For >2,000, Deduct	*-5.72*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.39*	
		For Wrap Around Window Panning, Add	*11.95*	
07 62 13 00-0009	SF	32 Ounce, 0.043" Thick, Copper Flashing And Trim	41.63	6.27
		For Up To 100, Add	*10.41*	
		For >500 To 2,000, Deduct	*-5.66*	
		For >2,000, Deduct	*-7.12*	
		For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	*2.51*	
		For Wrap Around Window Panning, Add	*12.55*	

07 62 13 00-0010 Stainless Steel Flashing And Trim *(07 62 13)*

07 62 13 00-0011 Stainless Steel Flashing And Trim *(07 62 13 00-0010)*

07 62 13 00-0012	SF	32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim	10.92	3.01
		For Up To 100, Add	*2.73*	
		For Wrap Around Window Panning, Add	*7.75*	
		For Mechanically Keyed Flashing, Add	*1.27*	
07 62 13 00-0013	SF	30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim	11.83	3.39
		For Up To 100, Add	*2.96*	
		For Wrap Around Window Panning, Add	*7.87*	
		For Mechanically Keyed Flashing, Add	*1.58*	
07 62 13 00-0014	SF	28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim	12.75	3.76
		For Up To 100, Add	*3.19*	
		For Wrap Around Window Panning, Add	*8.00*	
		For Mechanically Keyed Flashing, Add	*1.90*	
07 62 13 00-0015	SF	26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim	14.19	4.14
		For Up To 100, Add	*3.55*	
		For Wrap Around Window Panning, Add	*8.25*	
		For Mechanically Keyed Flashing, Add	*2.38*	
07 62 13 00-0016	SF	24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim	16.63	4.39
		For Up To 100, Add	*4.16*	
		For Wrap Around Window Panning, Add	*8.72*	
		For Mechanically Keyed Flashing, Add	*3.16*	
07 62 13 00-0017	SF	22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim	18.15	4.61
		For Up To 100, Add	*4.54*	
		For Wrap Around Window Panning, Add	*9.22*	
		For Mechanically Keyed Flashing, Add	*3.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0018	SF	20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim	19.44	4.89
		For Up To 100, Add	*4.86*	
		For Wrap Around Window Panning, Add	*9.76*	
		For Mechanically Keyed Flashing, Add	*3.87*	
07 62 13 00-0019		Aluminum Flashing And Trim *(07 62 13)*		
07 62 13 00-0020		Aluminum Flashing And Trim *(07 62 13 00-0019)*		
07 62 13 00-0021	SF	0.013" Thick, Mill Finish, Aluminum Flashing And Trim	12.95	3.88
		For Up To 100, Add	*3.24*	
		For Baked Aluminum Colors, Add	*0.43*	
		For Wrap Around Window Panning, Add	*8.65*	
07 62 13 00-0022	SF	0.016" Thick, Mill Finish, Aluminum Flashing And Trim	13.88	3.88
		For Up To 100, Add	*3.47*	
		For Baked Aluminum Colors, Add	*0.52*	
		For Wrap Around Window Panning, Add	*8.65*	
07 62 13 00-0023	SF	0.019" Thick, Mill Finish, Aluminum Flashing And Trim	14.63	3.88
		For Up To 100, Add	*3.66*	
		For Baked Aluminum Colors, Add	*0.60*	
		For Wrap Around Window Panning, Add	*8.65*	
07 62 13 00-0024	SF	0.024" Thick, Mill Finish, Aluminum Flashing And Trim	15.70	3.88
		For Up To 100, Add	*3.93*	
		For Baked Aluminum Colors, Add	*0.71*	
		For Wrap Around Window Panning, Add	*8.65*	
07 62 13 00-0025	SF	0.032" Thick, Mill Finish, Aluminum Flashing And Trim	17.20	3.88
		For Up To 100, Add	*4.30*	
		For Baked Aluminum Colors, Add	*0.86*	
		For Wrap Around Window Panning, Add	*8.65*	
07 62 13 00-0026	SF	0.040" Thick, Mill Finish, Aluminum Flashing And Trim	18.12	3.88
		For Up To 100, Add	*4.53*	
		For Baked Aluminum Colors, Add	*0.95*	
		For Wrap Around Window Panning, Add	*8.65*	
07 62 13 00-0027	SF	0.050" Thick, Mill Finish, Aluminum Flashing And Trim	18.87	3.88
		For Up To 100, Add	*4.72*	
		For Baked Aluminum Colors, Add	*1.02*	
		For Wrap Around Window Panning, Add	*8.65*	
07 62 13 00-0028		Steel Flashing And Trim *(07 62 13)*		
07 62 13 00-0029		Galvanized Steel Flashing And Trim *(07 62 13 00-0028)*		
07 62 13 00-0030	SF	28 Gauge, 0.019" Thick, Galvanized Steel Flashing	12.69	3.76
		For Up To 100, Add	*3.17*	
		For Wrap Around Window Panning, Add	*8.00*	
07 62 13 00-0031	SF	26 Gauge, 0.022" Thick, Galvanized Steel Flashing	13.19	4.14
		For Up To 100, Add	*3.30*	
		For Wrap Around Window Panning, Add	*8.25*	
07 62 13 00-0032	SF	24 Gauge, 0.028" Thick, Galvanized Steel Flashing	14.06	4.39
		For Up To 100, Add	*3.52*	
		For Wrap Around Window Panning, Add	*8.72*	
07 62 13 00-0033	SF	22 Gauge, 0.034" Thick, Galvanized Steel Flashing	14.94	4.61
		For Up To 100, Add	*3.74*	
		For Wrap Around Window Panning, Add	*9.22*	
07 62 13 00-0034	SF	20 Gauge, 0.04" Thick, Galvanized Steel Flashing	16.16	4.89
		For Up To 100, Add	*4.04*	
		For Wrap Around Window Panning, Add	*9.76*	

07 62 19 Fabricated Gravel Stops and Fasciae *(07 62)*

07 62 19 00-0001 Drip Edge *(07 62 19)*

07 62 19 00-0002 Aluminum Drip Edge *(07 62 19 00-0001)*
Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.

07 62 19 00-0003 KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0002)*

07 62 19 00-0004 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0005	LF	Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	12.87	1.66
07 62 19 00-0006	LF	>5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.15	1.77
07 62 19 00-0007	LF	>7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.29	1.99
07 62 19 00-0008	LF	>9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.10	2.10
07 62 19 00-0009	LF	>12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.43	2.21

07 62 19 00-0010 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

07 62 19 00-0011	LF	Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	13.82	1.66
07 62 19 00-0012	LF	>5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.21	1.77
07 62 19 00-0013	LF	>7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.87	1.99
07 62 19 00-0014	LF	>9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	23.99	2.10
07 62 19 00-0015	LF	>12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.22	2.21

07 62 19 00-0016 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge *(07 62 19 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0017	LF	Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	14.76	1.66
07 62 19 00-0018	LF	>5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	18.47	1.77
07 62 19 00-0019	LF	>7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.39	1.99
07 62 19 00-0020	LF	>9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.89	2.10
07 62 19 00-0021	LF	>12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge	32.75	2.21
07 62 19 00-0022		**0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0023	LF	Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	16.66	1.66
07 62 19 00-0024	LF	>5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.00	1.77
07 62 19 00-0025	LF	>7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.40	1.99
07 62 19 00-0026	LF	>9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.68	2.10
07 62 19 00-0027	LF	>12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge	37.81	2.21
07 62 19 00-0028		**0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0029	LF	Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	17.29	1.66
07 62 19 00-0030	LF	>5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	21.95	1.77
07 62 19 00-0031	LF	>7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	25.40	1.99
07 62 19 00-0032	LF	>9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	30.95	2.10
07 62 19 00-0033	LF	>12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.49	2.21
07 62 19 00-0034		**0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0035	LF	Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	19.50	1.66
07 62 19 00-0036	LF	>5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	24.79	1.77
07 62 19 00-0037	LF	>7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	28.87	1.99
07 62 19 00-0038	LF	>9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	35.37	2.10
07 62 19 00-0039	LF	>12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge	45.39	2.21
07 62 19 00-0040		**0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0041	LF	Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	22.66	1.66
07 62 19 00-0042	LF	>5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	29.00	1.77
07 62 19 00-0043	LF	>7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	33.88	1.99
07 62 19 00-0044	LF	>9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	41.69	2.10
07 62 19 00-0045	LF	>12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge	53.81	2.21
07 62 19 00-0046		**0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge** *(07 62 19 00-0003)*		
07 62 19 00-0047	LF	Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	26.46	1.66
07 62 19 00-0048	LF	>5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	34.06	1.77
07 62 19 00-0049	LF	>7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	39.88	1.99
07 62 19 00-0050	LF	>9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	49.27	2.10
07 62 19 00-0051	LF	>12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge	63.92	2.21
07 62 19 00-0052		**Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0053		**0.016" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0054	LF	Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	10.42	1.66
07 62 19 00-0055	LF	>5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	12.82	1.77
07 62 19 00-0056	LF	>7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	14.43	1.99
07 62 19 00-0057	LF	>9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	17.20	2.10
07 62 19 00-0058	LF	>12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge	21.67	2.21
07 62 19 00-0059		**0.019" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0060	LF	Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	11.07	1.66
07 62 19 00-0061	LF	>5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	13.55	1.77
07 62 19 00-0062	LF	>7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	15.52	1.99
07 62 19 00-0063	LF	>9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	18.50	2.10
07 62 19 00-0064	LF	>12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge	22.90	2.21
07 62 19 00-0065		**0.025" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0066	LF	Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	11.73	1.66
07 62 19 00-0067	LF	>5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	14.42	1.77
07 62 19 00-0068	LF	>7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	16.57	1.99
07 62 19 00-0069	LF	>9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	19.81	2.10
07 62 19 00-0070	LF	>12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge	24.64	2.21
07 62 19 00-0071		**0.032" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0072	LF	Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	13.03	1.66
07 62 19 00-0073	LF	>5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	16.16	1.77
07 62 19 00-0074	LF	>7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	18.64	1.99
07 62 19 00-0075	LF	>9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	22.42	2.10
07 62 19 00-0076	LF	>12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge	28.13	2.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0077		**0.040" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0078	LF	Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	13.47	1.66
07 62 19 00-0079	LF	>5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	16.81	1.77
07 62 19 00-0080	LF	>7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	19.33	1.99
07 62 19 00-0081	LF	>9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	23.30	2.10
07 62 19 00-0082	LF	>12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge	29.29	2.21
07 62 19 00-0083		**0.050" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0084	LF	Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	14.99	1.66
07 62 19 00-0085	LF	>5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	18.77	1.77
07 62 19 00-0086	LF	>7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	21.73	1.99
07 62 19 00-0087	LF	>9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	26.35	2.10
07 62 19 00-0088	LF	>12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge	33.36	2.21
07 62 19 00-0089		**0.063" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0090	LF	Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	17.17	1.66
07 62 19 00-0091	LF	>5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	21.68	1.77
07 62 19 00-0092	LF	>7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	25.18	1.99
07 62 19 00-0093	LF	>9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	30.71	2.10
07 62 19 00-0094	LF	>12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge	39.17	2.21
07 62 19 00-0095		**0.080" Thick, Mill Finish, Aluminum Drip Edge** *(07 62 19 00-0052)*		
07 62 19 00-0096	LF	Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	19.79	1.66
07 62 19 00-0097	LF	>5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	25.17	1.77
07 62 19 00-0098	LF	>7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	29.32	1.99
07 62 19 00-0099	LF	>9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	35.94	2.10
07 62 19 00-0100	LF	>12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge	46.14	2.21
07 62 19 00-0101		**Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0002)*		
07 62 19 00-0102		**0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0103	LF	Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	13.34	1.66
07 62 19 00-0104	LF	>5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	16.80	1.77
07 62 19 00-0105	LF	>7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.03	1.99
07 62 19 00-0106	LF	>9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.05	2.10
07 62 19 00-0107	LF	>12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge	29.74	2.21
07 62 19 00-0108		**0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0109	LF	Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	14.35	1.66
07 62 19 00-0110	LF	>5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.91	1.77
07 62 19 00-0111	LF	>7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.71	1.99
07 62 19 00-0112	LF	>9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.06	2.10
07 62 19 00-0113	LF	>12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.64	2.21
07 62 19 00-0114		**0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	15.35	1.66
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	19.25	1.77
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.33	1.99
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.06	2.10
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge	34.32	2.21
07 62 19 00-0120		**0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	17.36	1.66
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	21.93	1.77
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.51	1.99
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	31.08	2.10
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge	39.68	2.21
07 62 19 00-0126		**0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	18.03	1.66
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	22.94	1.77
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	26.57	1.99
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	32.42	2.10
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.46	2.21
07 62 19 00-0132		**0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge** *(07 62 19 00-0101)*		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	20.38	1.66
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	25.95	1.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.25	1.99
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	37.11	2.10
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge	47.71	2.21
07 62 19 00-0138		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	23.73	1.66
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	30.42	1.77
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.56	1.99
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	43.81	2.10
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge	56.64	2.21
07 62 19 00-0144		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge *(07 62 19 00-0101)*		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	27.74	1.66
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	35.78	1.77
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	41.92	1.99
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	51.85	2.10
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge	67.36	2.21
07 62 19 00-0150		Galvanized Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge	12.23	1.66
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge	15.16	1.77
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge	17.38	1.99
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge	20.83	2.10
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge	26.00	2.21
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge *(07 62 19 00-0151)*		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge	13.33	1.66
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge	16.62	1.77
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge	19.10	1.99
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge	23.02	2.10
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge	28.89	2.21
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0150)*		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	15.50	1.66
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	19.54	1.77
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	22.56	1.99
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	27.36	2.10
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	34.72	2.21
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge *(07 62 19 00-0164)*		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	17.08	1.66
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	21.66	1.77
07 62 19 00-0174	LF	>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	25.06	1.99
07 62 19 00-0175	LF	>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	30.52	2.10
07 62 19 00-0176	LF	>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge	38.93	2.21
07 62 19 00-0177		Stainless Steel Drip Edge *(07 62 19 00-0001)*		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0178		26 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0179	LF	Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge	21.53	1.66
07 62 19 00-0180	LF	>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge	27.50	1.77
07 62 19 00-0181	LF	>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge	32.09	1.99
07 62 19 00-0182	LF	>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge	39.43	2.10
07 62 19 00-0183	LF	>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge	50.80	2.21
07 62 19 00-0184		24 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0185	LF	Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge	26.75	1.66
07 62 19 00-0186	LF	>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge	34.45	1.77
07 62 19 00-0187	LF	>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge	40.37	1.99
07 62 19 00-0188	LF	>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge	49.86	2.10
07 62 19 00-0189	LF	>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge	64.71	2.21
07 62 19 00-0190		22 Gauge, Stainless Steel Drip Edge *(07 62 19 00-0177)*		
07 62 19 00-0191	LF	Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge	32.89	1.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0192	LF	>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge	42.63	1.77
07 62 19 00-0193	LF	>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge	50.08	1.99
07 62 19 00-0194	LF	>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge	62.13	2.10
07 62 19 00-0195	LF	>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge	81.07	2.21

07 63 Sheet Metal Roofing Specialties *(07 60)*

07 63 00 00-0001 Pitch Pockets *(07 63)*

Note: Cut into deck, filled with non-shrink grout, includes blocking.

07 63 00 00-0002 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0003	EA	4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	95.50
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*
07 63 00 00-0004	EA	6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	115.66
		For Pourable Sealer Filled, Add	*91.38*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*
07 63 00 00-0005	EA	8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	141.29
		For Pourable Sealer Filled, Add	*162.37*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*
07 63 00 00-0006	EA	8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	155.15
		For Pourable Sealer Filled, Add	*202.96*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*
07 63 00 00-0007	EA	8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	168.32
		For Pourable Sealer Filled, Add	*243.55*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*
07 63 00 00-0008	SF	24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	198.22
		For Pourable Sealer Filled, Add	*365.33*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*

07 63 00 00-0009 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0010	EA	4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	100.07
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*
07 63 00 00-0011	EA	6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	120.66
		For Pourable Sealer Filled, Add	*91.38*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*
07 63 00 00-0012	EA	8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	147.68
		For Pourable Sealer Filled, Add	*162.37*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*
07 63 00 00-0013	EA	8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	164.56
		For Pourable Sealer Filled, Add	*202.96*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*
07 63 00 00-0014	EA	8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	177.70
		For Pourable Sealer Filled, Add	*243.55*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*
07 63 00 00-0015	SF	16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	208.40
		For Pourable Sealer Filled, Add	*365.33*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*

07 63 00 00-0016 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets *(07 63 00 00-0001)*

07 63 00 00-0017	EA	4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	105.89
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*
07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	126.73
		For Pourable Sealer Filled, Add	*91.38*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	147.91
		For Pourable Sealer Filled, Add	*162.37*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	160.81
		For Pourable Sealer Filled, Add	*202.96*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	172.80
		For Pourable Sealer Filled, Add	*243.55*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket	200.35
		For Pourable Sealer Filled, Add	*365.33*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*

07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout *(07 63 00 00-0001)*

Note: Includes removing existing filler and refilling with non-shrink grout.

07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout	73.63
		For Pourable Sealer Filled, Add	*40.59*
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*20.31*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout	85.40	
		For Pourable Sealer Filled, Add	*91.38*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*45.82*	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout	101.14	
		For Pourable Sealer Filled, Add	*162.37*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*81.00*	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout	111.05	
		For Pourable Sealer Filled, Add	*202.96*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*101.81*	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout	120.96	
		For Pourable Sealer Filled, Add	*243.55*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*121.79*	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout	146.28	
		For Pourable Sealer Filled, Add	*365.33*	
		For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	*181.54*	

07 63 00 00-0030 Lead Pipe Flashing For Roofs *(07 63)*

Note: Includes 6" skirt base.

07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3/4" Diameter Pipe	99.47	32.32
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 1" Diameter Pipe	99.47	32.32
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 2" Diameter Pipe	118.98	32.32
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3" Diameter Pipe	130.13	32.32
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 3-1/2" Diameter Pipe	135.71	32.32
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 4" Diameter Pipe	138.50	32.32
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 6" Diameter Pipe	166.37	32.32
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 Lb. Lead Pipe Flashing For Roofs, Fits 8" Diameter Pipe	178.92	32.32

07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing *(07 63)*

07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	85.14	20.89
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	86.41	20.89
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	90.98	20.89
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing	94.92	20.89

07 65 Flexible Flashing *(07 60)*

07 65 16 Modified Bituminous Sheet Flashing *(07 65)*

07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems *(07 65 16)*

See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.

07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.	14.19	2.10

07 65 19 Plastic Sheet Flashing *(07 65)*

07 65 19 00-0001 Plastic Flashing And Trim *(07 65 19)*

07 65 19 00-0002 Neoprene Flashing *(07 65 19 00-0001)*

07 65 19 00-0003 60 Mil Thick *(07 65 19 00-0002)*

07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing	9.56	2.96
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing	12.89	3.18
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing	16.54	3.51
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing	20.38	3.96

07 65 33 Flexible Roof Boot *(07 65)*

07 65 33 00-0001 Neoprene Roof Boot *(07 65 33)*

07 65 33 00-0002	EA	2" Diameter Pipe, Neoprene Roof Boot	41.70	9.12
07 65 33 00-0003	EA	3" Diameter Pipe, Neoprene Roof Boot	48.95	10.21
07 65 33 00-0004	EA	4" Diameter Pipe, Neoprene Roof Boot	54.31	10.99

07 70 Roof and Wall Specialties and Accessories *(07)*

07 71 Roof Specialties *(07 70)*

07 71 13 Manufactured Copings *(07 71)*

07 71 13 00-0001 Galvanized Steel Copings *(07 71 13)*

07 71 13 00-0002 KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats *(07 71 13 00-0001)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	35.06	2.38
		For Up To 25 LF, Add	*5.10*	
		For >25 To 100 LF, Add	*2.55*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	36.98	2.59
		For Up To 25 LF, Add	*5.42*	
		For >25 To 100 LF, Add	*2.71*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	42.19	2.72
		For Up To 25 LF, Add	*6.04*	
		For >25 To 100 LF, Add	*3.02*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	49.01	2.98
		For Up To 25 LF, Add	*6.89*	
		For >25 To 100 LF, Add	*3.44*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats	59.25	3.11
		For Up To 25 LF, Add	*8.00*	
		For >25 To 100 LF, Add	*4.00*	
		For >1,000 LF, Deduct	*-0.52*	

07 71 13 00-0008 Aluminum Copings *(07 71 13)*

07 71 13 00-0009 Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0010 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	27.81	2.38
		For Up To 25 LF, Add	*4.37*	
		For >25 To 100 LF, Add	*2.19*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	29.68	2.59
		For Up To 25 LF, Add	*4.69*	
		For >25 To 100 LF, Add	*2.35*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.62	2.72
		For Up To 25 LF, Add	*5.28*	
		For >25 To 100 LF, Add	*2.64*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	41.33	2.98
		For Up To 25 LF, Add	*6.12*	
		For >25 To 100 LF, Add	*3.06*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	51.39	3.11
		For Up To 25 LF, Add	*7.22*	
		For >25 To 100 LF, Add	*3.61*	
		For >1,000 LF, Deduct	*-0.52*	

07 71 13 00-0016 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	30.19	2.38
		For Up To 25 LF, Add	*4.61*	
		For >25 To 100 LF, Add	*2.31*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.22	2.59
		For Up To 25 LF, Add	*4.95*	
		For >25 To 100 LF, Add	*2.47*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	37.63	2.72
		For Up To 25 LF, Add	*5.58*	
		For >25 To 100 LF, Add	*2.79*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	44.97	2.98
		For Up To 25 LF, Add	*6.49*	
		For >25 To 100 LF, Add	*3.24*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	56.00	3.11
		For Up To 25 LF, Add	*7.68*	
		For >25 To 100 LF, Add	*3.84*	
		For >1,000 LF, Deduct	*-0.52*	

07 71 13 00-0022 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0023	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	32.15	2.38
		For Up To 25 LF, Add	*4.81*	
		For >25 To 100 LF, Add	*2.40*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0024	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	34.48	2.59
		For Up To 25 LF, Add	*5.17*	
		For >25 To 100 LF, Add	*2.59*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0025	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	41.37	2.72
		For Up To 25 LF, Add	*5.95*	
		For >25 To 100 LF, Add	*2.98*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0026	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	51.67	2.98
		For Up To 25 LF, Add	*7.16*	
		For >25 To 100 LF, Add	*3.58*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0027	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats	66.85	3.11
		For Up To 25 LF, Add	*8.76*	
		For >25 To 100 LF, Add	*4.38*	
		For >1,000 LF, Deduct	*-0.52*	

07 71 13 00-0028 KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*

Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.

07 71 13 00-0029 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0030	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	38.53	2.38
		For Up To 25 LF, Add	*5.45*	
		For >25 To 100 LF, Add	*2.72*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0031	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	41.10	2.59
		For Up To 25 LF, Add	*5.83*	
		For >25 To 100 LF, Add	*2.92*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0032	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.16	2.72
		For Up To 25 LF, Add	*6.63*	
		For >25 To 100 LF, Add	*3.32*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0033	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	57.70	2.98
		For Up To 25 LF, Add	*7.76*	
		For >25 To 100 LF, Add	*3.88*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0034	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	72.17	3.11
		For Up To 25 LF, Add	*9.29*	
		For >25 To 100 LF, Add	*4.65*	
		For >1,000 LF, Deduct	*-0.52*	

07 71 13 00-0035 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*

07 71 13 00-0036	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	41.98	2.38
		For Up To 25 LF, Add	*5.79*	
		For >25 To 100 LF, Add	*2.90*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0037	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.78	2.59
		For Up To 25 LF, Add	*6.20*	
		For >25 To 100 LF, Add	*3.10*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0038	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	52.52	2.72
		For Up To 25 LF, Add	*7.07*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0039	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	62.97	2.98
		For Up To 25 LF, Add	*8.29*	
		For >25 To 100 LF, Add	*4.14*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0040	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	78.87	3.11
		For Up To 25 LF, Add	*9.96*	
		For >25 To 100 LF, Add	*4.98*	
		For >1,000 LF, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0028)*		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	44.82	2.38
		For Up To 25 LF, Add	*6.07*	
		For >25 To 100 LF, Add	*3.04*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	48.06	2.59
		For Up To 25 LF, Add	*6.53*	
		For >25 To 100 LF, Add	*3.27*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	57.94	2.72
		For Up To 25 LF, Add	*7.61*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	72.69	2.98
		For Up To 25 LF, Add	*9.26*	
		For >25 To 100 LF, Add	*4.63*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats	94.60	3.11
		For Up To 25 LF, Add	*11.54*	
		For >25 To 100 LF, Add	*5.77*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0047		Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0008)*		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048		0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	40.60	2.38
		For Up To 25 LF, Add	*5.65*	
		For >25 To 100 LF, Add	*2.83*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	43.31	2.59
		For Up To 25 LF, Add	*6.06*	
		For >25 To 100 LF, Add	*3.03*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	50.77	2.72
		For Up To 25 LF, Add	*6.89*	
		For >25 To 100 LF, Add	*3.45*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	60.86	2.98
		For Up To 25 LF, Add	*8.07*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	76.19	3.11
		For Up To 25 LF, Add	*9.70*	
		For >25 To 100 LF, Add	*4.85*	
		For >1,000 LF, Deduct	*-0.52*	
07 71 13 00-0054		0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	44.26	2.38
		For Up To 25 LF, Add	*6.02*	
		For >25 To 100 LF, Add	*3.01*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.21	2.59
		For Up To 25 LF, Add	*6.45*	
		For >25 To 100 LF, Add	*3.22*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	55.40	2.72
		For Up To 25 LF, Add	*7.36*	
		For >25 To 100 LF, Add	*3.68*	
		For >1,000 LF, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	66.45	2.98
		For Up To 25 LF, Add	*8.63*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0059	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	83.29	3.11
		For Up To 25 LF, Add	*10.41*	
		For >25 To 100 LF, Add	*5.20*	
		For >1,000 LF, Deduct	*-0.52*	

07 71 13 00-0060 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats *(07 71 13 00-0047)*

07 71 13 00-0061	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.27	2.38
		For Up To 25 LF, Add	*6.32*	
		For >25 To 100 LF, Add	*3.16*	
		For >1,000 LF, Deduct	*-0.40*	
07 71 13 00-0062	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	50.69	2.59
		For Up To 25 LF, Add	*6.79*	
		For >25 To 100 LF, Add	*3.40*	
		For >1,000 LF, Deduct	*-0.43*	
07 71 13 00-0063	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	61.14	2.72
		For Up To 25 LF, Add	*7.93*	
		For >25 To 100 LF, Add	*3.97*	
		For >1,000 LF, Deduct	*-0.45*	
07 71 13 00-0064	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	76.75	2.98
		For Up To 25 LF, Add	*9.66*	
		For >25 To 100 LF, Add	*4.83*	
		For >1,000 LF, Deduct	*-0.50*	
07 71 13 00-0065	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	99.96	3.11
		For Up To 25 LF, Add	*12.07*	
		For >25 To 100 LF, Add	*6.04*	
		For >1,000 LF, Deduct	*-0.52*	

07 71 19 Manufactured Gravel Stops and Fasciae *(07 71)*

07 71 19 00-0001 Gravel Stop *(07 71 19)*

07 71 19 00-0002 Aluminum Gravel Stop *(07 71 19 00-0001)*

07 71 19 00-0003 Aluminum Gravel Stop *(07 71 19 00-0002)*

07 71 19 00-0004 KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*

07 71 19 00-0005 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0006	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	41.12	1.88
		For Up To 25 LF, Add	*6.32*	
		For >25 To 100 LF, Add	*3.16*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0007	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.39	2.21
		For Up To 25 LF, Add	*6.85*	
		For >25 To 100 LF, Add	*3.42*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0008	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.74	2.43
		For Up To 25 LF, Add	*7.33*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.74*	

07 71 19 00-0009 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

07 71 19 00-0010	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.74	1.88
		For Up To 25 LF, Add	*6.59*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0011	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.13	2.21
		For Up To 25 LF, Add	*7.12*	
		For >25 To 100 LF, Add	*3.56*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0012	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	46.62	2.43
		For Up To 25 LF, Add	*7.62*	
		For >25 To 100 LF, Add	*3.81*	
		For >1,000 LF, Deduct	*-0.74*	

07 71 19 00-0013 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0014	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	47.15	1.88
		For Up To 25 LF, Add	*6.93*	
		For >25 To 100 LF, Add	*3.46*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0015	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	48.39	2.21
		For Up To 25 LF, Add	*7.45*	
		For >25 To 100 LF, Add	*3.72*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0016	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.25	2.43
		For Up To 25 LF, Add	*7.99*	
		For >25 To 100 LF, Add	*3.99*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0017		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop *(07 71 19 00-0004)*		
07 71 19 00-0018	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	49.47	1.88
		For Up To 25 LF, Add	*7.16*	
		For >25 To 100 LF, Add	*3.58*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0019	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	50.80	2.21
		For Up To 25 LF, Add	*7.69*	
		For >25 To 100 LF, Add	*3.84*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0020	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	52.80	2.43
		For Up To 25 LF, Add	*8.24*	
		For >25 To 100 LF, Add	*4.12*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0021		Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0022		0.032" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0023	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	26.59	1.88
		For Up To 25 LF, Add	*4.87*	
		For >25 To 100 LF, Add	*2.44*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0024	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	28.60	2.21
		For Up To 25 LF, Add	*5.47*	
		For >25 To 100 LF, Add	*2.73*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0025	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop	30.64	2.43
		For Up To 25 LF, Add	*6.02*	
		For >25 To 100 LF, Add	*3.01*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0026		0.040" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0027	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	28.77	1.88
		For Up To 25 LF, Add	*5.09*	
		For >25 To 100 LF, Add	*2.54*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0028	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	30.49	2.21
		For Up To 25 LF, Add	*5.66*	
		For >25 To 100 LF, Add	*2.83*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0029	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop	32.10	2.43
		For Up To 25 LF, Add	*6.17*	
		For >25 To 100 LF, Add	*3.09*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0030		0.050" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0031	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	30.95	1.88
		For Up To 25 LF, Add	*5.31*	
		For >25 To 100 LF, Add	*2.65*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0032	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	32.67	2.21
		For Up To 25 LF, Add	*5.88*	
		For >25 To 100 LF, Add	*2.94*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0033	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop	34.46	2.43
		For Up To 25 LF, Add	*6.41*	
		For >25 To 100 LF, Add	*3.20*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0034		0.063" Thick, Mill Finish, Aluminum Gravel Stop *(07 71 19 00-0021)*		
07 71 19 00-0035	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	33.31	1.88
		For Up To 25 LF, Add	*5.54*	
		For >25 To 100 LF, Add	*2.77*	
		For >1,000 LF, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0036	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	34.85	2.21
		For Up To 25 LF, Add	*6.09*	
		For >25 To 100 LF, Add	*3.05*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0037	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop	36.21	2.43
		For Up To 25 LF, Add	*6.58*	
		For >25 To 100 LF, Add	*3.29*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0038		Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0003)*		
07 71 19 00-0039		0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0040	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	49.18	1.88
		For Up To 25 LF, Add	*7.13*	
		For >25 To 100 LF, Add	*3.57*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0041	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	50.80	2.21
		For Up To 25 LF, Add	*7.69*	
		For >25 To 100 LF, Add	*3.84*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0042	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.27	2.43
		For Up To 25 LF, Add	*8.19*	
		For >25 To 100 LF, Add	*4.09*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0043		0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0044	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	52.32	1.88
		For Up To 25 LF, Add	*7.44*	
		For >25 To 100 LF, Add	*3.72*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0045	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	54.08	2.21
		For Up To 25 LF, Add	*8.02*	
		For >25 To 100 LF, Add	*4.01*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0046	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop	55.70	2.43
		For Up To 25 LF, Add	*8.53*	
		For >25 To 100 LF, Add	*4.27*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0047		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0048	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	56.42	1.88
		For Up To 25 LF, Add	*7.85*	
		For >25 To 100 LF, Add	*3.93*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0049	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	58.00	2.21
		For Up To 25 LF, Add	*8.41*	
		For >25 To 100 LF, Add	*4.20*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0050	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.33	2.43
		For Up To 25 LF, Add	*8.89*	
		For >25 To 100 LF, Add	*4.45*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0051		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop *(07 71 19 00-0038)*		
07 71 19 00-0052	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	59.20	1.88
		For Up To 25 LF, Add	*8.13*	
		For >25 To 100 LF, Add	*4.07*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0053	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	60.89	2.21
		For Up To 25 LF, Add	*8.70*	
		For >25 To 100 LF, Add	*4.35*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0054	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop	62.33	2.43
		For Up To 25 LF, Add	*9.19*	
		For >25 To 100 LF, Add	*4.60*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0055		Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0002)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056		KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0057		0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0058	LF	4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	46.39	1.99
		For Up To 25 LF, Add	*7.07*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0059	LF	>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.23	2.37
		For Up To 25 LF, Add	*7.80*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0060	LF	>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.51	2.71
		For Up To 25 LF, Add	*8.52*	
		For >25 To 100 LF, Add	*4.26*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0061		0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0062	LF	4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	49.01	1.99
		For Up To 25 LF, Add	*7.33*	
		For >25 To 100 LF, Add	*3.67*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0063	LF	>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	51.96	2.37
		For Up To 25 LF, Add	*8.07*	
		For >25 To 100 LF, Add	*4.03*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0064	LF	>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.39	2.71
		For Up To 25 LF, Add	*8.81*	
		For >25 To 100 LF, Add	*4.41*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0065		0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0066	LF	4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	52.42	1.99
		For Up To 25 LF, Add	*7.67*	
		For >25 To 100 LF, Add	*3.84*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0067	LF	>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	55.23	2.37
		For Up To 25 LF, Add	*8.40*	
		For >25 To 100 LF, Add	*4.20*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0068	LF	>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	59.02	2.71
		For Up To 25 LF, Add	*9.17*	
		For >25 To 100 LF, Add	*4.59*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0069		0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0056)*		
07 71 19 00-0070	LF	4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	54.74	1.99
		For Up To 25 LF, Add	*7.91*	
		For >25 To 100 LF, Add	*3.95*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0071	LF	>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	57.63	2.37
		For Up To 25 LF, Add	*8.64*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0072	LF	>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat	61.57	2.71
		For Up To 25 LF, Add	*9.43*	
		For >25 To 100 LF, Add	*4.71*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0073		Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0055)*		
07 71 19 00-0074		0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0073)*		
07 71 19 00-0075	LF	4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	33.88	1.99
		For Up To 25 LF, Add	*5.82*	
		For >25 To 100 LF, Add	*2.91*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0076	LF	>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	36.18	2.37
		For Up To 25 LF, Add	*6.49*	
		For >25 To 100 LF, Add	*3.25*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0077	LF	>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.87	2.71
		For Up To 25 LF, Add	*7.16*	
		For >25 To 100 LF, Add	*3.58*	
		For >1,000 LF, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0078		**0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0073)*		
07 71 19 00-0079	LF	4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	35.69	1.99
		For Up To 25 LF, Add	*6.00*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0080	LF	>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.06	2.37
		For Up To 25 LF, Add	*6.68*	
		For >25 To 100 LF, Add	*3.34*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0081	LF	>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.87	2.71
		For Up To 25 LF, Add	*7.36*	
		For >25 To 100 LF, Add	*3.68*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0082		**0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0073)*		
07 71 19 00-0083	LF	4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	38.04	1.99
		For Up To 25 LF, Add	*6.24*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0084	LF	>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	40.32	2.37
		For Up To 25 LF, Add	*6.90*	
		For >25 To 100 LF, Add	*3.45*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0085	LF	>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	43.23	2.71
		For Up To 25 LF, Add	*7.60*	
		For >25 To 100 LF, Add	*3.80*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0086		**0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0073)*		
07 71 19 00-0087	LF	4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	39.64	1.99
		For Up To 25 LF, Add	*6.40*	
		For >25 To 100 LF, Add	*3.20*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0088	LF	>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	41.97	2.37
		For Up To 25 LF, Add	*7.07*	
		For >25 To 100 LF, Add	*3.53*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0089	LF	>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat	44.98	2.71
		For Up To 25 LF, Add	*7.77*	
		For >25 To 100 LF, Add	*3.89*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0090		**Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0055)*		
07 71 19 00-0091		**0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0092	LF	4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	54.45	1.99
		For Up To 25 LF, Add	*7.88*	
		For >25 To 100 LF, Add	*3.94*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0093	LF	>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	57.64	2.37
		For Up To 25 LF, Add	*8.64*	
		For >25 To 100 LF, Add	*4.32*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0094	LF	>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	61.04	2.71
		For Up To 25 LF, Add	*9.38*	
		For >25 To 100 LF, Add	*4.69*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0095		**0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat** *(07 71 19 00-0090)*		
07 71 19 00-0096	LF	4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	57.59	1.99
		For Up To 25 LF, Add	*8.19*	
		For >25 To 100 LF, Add	*4.10*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0097	LF	>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	60.92	2.37
		For Up To 25 LF, Add	*8.96*	
		For >25 To 100 LF, Add	*4.48*	
		For >1,000 LF, Deduct	*-0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0098	LF	>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	64.47	2.71
		For Up To 25 LF, Add	*9.72*	
		For >25 To 100 LF, Add	*4.86*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0099		0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0100	LF	4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	61.69	1.99
		For Up To 25 LF, Add	*8.60*	
		For >25 To 100 LF, Add	*4.30*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0101	LF	>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	64.84	2.37
		For Up To 25 LF, Add	*9.36*	
		For >25 To 100 LF, Add	*4.68*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0102	LF	>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	68.10	2.71
		For Up To 25 LF, Add	*10.08*	
		For >25 To 100 LF, Add	*5.04*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0103		0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat *(07 71 19 00-0090)*		
07 71 19 00-0104	LF	4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	64.47	1.99
		For Up To 25 LF, Add	*8.88*	
		For >25 To 100 LF, Add	*4.44*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0105	LF	>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	67.72	2.37
		For Up To 25 LF, Add	*9.64*	
		For >25 To 100 LF, Add	*4.82*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0106	LF	>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat	71.10	2.71
		For Up To 25 LF, Add	*10.38*	
		For >25 To 100 LF, Add	*5.19*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0107		Stainless Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0108		Stainless Steel Gravel Stop *(07 71 19 00-0107)*		
07 71 19 00-0109		26 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0110	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop	39.38	1.88
		For Up To 25 LF, Add	*6.15*	
		For >25 To 100 LF, Add	*3.08*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0111	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop	51.82	2.21
		For Up To 25 LF, Add	*7.79*	
		For >25 To 100 LF, Add	*3.90*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0112	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop	77.14	2.43
		For Up To 25 LF, Add	*10.67*	
		For >25 To 100 LF, Add	*5.34*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0113		24 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0114	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop	49.19	1.88
		For Up To 25 LF, Add	*7.13*	
		For >25 To 100 LF, Add	*3.57*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0115	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop	64.91	2.21
		For Up To 25 LF, Add	*9.10*	
		For >25 To 100 LF, Add	*4.55*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0116	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop	96.77	2.43
		For Up To 25 LF, Add	*12.64*	
		For >25 To 100 LF, Add	*6.32*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0117		22 Gauge, Stainless Steel Gravel Stop *(07 71 19 00-0108)*		
07 71 19 00-0118	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop	59.62	1.88
		For Up To 25 LF, Add	*8.17*	
		For >25 To 100 LF, Add	*4.09*	
		For >1,000 LF, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0119	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop	78.81	2.21
		For Up To 25 LF, Add	*10.49*	
		For >25 To 100 LF, Add	*5.24*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0120	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop	117.63	2.43
		For Up To 25 LF, Add	*14.72*	
		For >25 To 100 LF, Add	*7.36*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0121		Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0107)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122		26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0123	LF	4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	46.57	1.99
		For Up To 25 LF, Add	*7.09*	
		For >25 To 100 LF, Add	*3.54*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0124	LF	>6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	61.17	2.37
		For Up To 25 LF, Add	*8.99*	
		For >25 To 100 LF, Add	*4.49*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0125	LF	>10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	89.16	2.71
		For Up To 25 LF, Add	*12.19*	
		For >25 To 100 LF, Add	*6.09*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0126		24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0127	LF	4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	56.39	1.99
		For Up To 25 LF, Add	*8.07*	
		For >25 To 100 LF, Add	*4.04*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0128	LF	>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	74.26	2.37
		For Up To 25 LF, Add	*10.30*	
		For >25 To 100 LF, Add	*5.15*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0129	LF	>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	108.80	2.71
		For Up To 25 LF, Add	*14.15*	
		For >25 To 100 LF, Add	*7.08*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0130		22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0121)*		
07 71 19 00-0131	LF	4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	66.82	1.99
		For Up To 25 LF, Add	*9.11*	
		For >25 To 100 LF, Add	*4.56*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0132	LF	>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	88.16	2.37
		For Up To 25 LF, Add	*11.69*	
		For >25 To 100 LF, Add	*5.84*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0133	LF	>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat	129.66	2.71
		For Up To 25 LF, Add	*16.24*	
		For >25 To 100 LF, Add	*8.12*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0134		Galvanized Steel Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0135		Galvanized Steel Gravel Stop *(07 71 19 00-0134)*		
07 71 19 00-0136		KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0135)*		
07 71 19 00-0137		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop *(07 71 19 00-0136)*		
07 71 19 00-0138	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	37.65	1.88
		For Up To 25 LF, Add	*5.98*	
		For >25 To 100 LF, Add	*2.99*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0139	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	38.87	2.21
		For Up To 25 LF, Add	*6.50*	
		For >25 To 100 LF, Add	*3.25*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0140	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop	40.38	2.43
		For Up To 25 LF, Add	*7.00*	
		For >25 To 100 LF, Add	*3.50*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0141		Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0134)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142		KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0141)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0143		24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat *(07 71 19 00-0142)*		
07 71 19 00-0144	LF	4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	43.07	1.99
		For Up To 25 LF, Add	*6.74*	
		For >25 To 100 LF, Add	*3.37*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0145	LF	>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	45.90	2.37
		For Up To 25 LF, Add	*7.46*	
		For >25 To 100 LF, Add	*3.73*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0146	LF	>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat	49.41	2.71
		For Up To 25 LF, Add	*8.21*	
		For >25 To 100 LF, Add	*4.11*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0147		Copper Gravel Stop *(07 71 19 00-0001)*		
07 71 19 00-0148		Copper Gravel Stop *(07 71 19 00-0147)*		
07 71 19 00-0149		20 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0150	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop	63.46	1.88
		For Up To 25 LF, Add	*8.56*	
		For >25 To 100 LF, Add	*4.28*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0151	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop	72.64	2.21
		For Up To 25 LF, Add	*9.87*	
		For >25 To 100 LF, Add	*4.94*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0152	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop	83.93	2.43
		For Up To 25 LF, Add	*11.35*	
		For >25 To 100 LF, Add	*5.68*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0153		16 Ounce, Copper Gravel Stop *(07 71 19 00-0148)*		
07 71 19 00-0154	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop	77.20	1.88
		For Up To 25 LF, Add	*9.93*	
		For >25 To 100 LF, Add	*4.97*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0155	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop	89.43	2.21
		For Up To 25 LF, Add	*11.55*	
		For >25 To 100 LF, Add	*5.78*	
		For >1,000 LF, Deduct	*-0.65*	
07 71 19 00-0156	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop	102.25	2.43
		For Up To 25 LF, Add	*13.19*	
		For >25 To 100 LF, Add	*6.59*	
		For >1,000 LF, Deduct	*-0.74*	
07 71 19 00-0157		Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0147)*		
		Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0158		20 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0159	LF	4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	66.00	1.99
		For Up To 25 LF, Add	*9.03*	
		For >25 To 100 LF, Add	*4.52*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0160	LF	>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	75.89	2.37
		For Up To 25 LF, Add	*10.46*	
		For >25 To 100 LF, Add	*5.23*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0161	LF	>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat	88.07	2.71
		For Up To 25 LF, Add	*12.08*	
		For >25 To 100 LF, Add	*6.04*	
		For >1,000 LF, Deduct	*-0.82*	
07 71 19 00-0162		16 Ounce, Copper Gravel Stop System With Continuous Cleat *(07 71 19 00-0157)*		
07 71 19 00-0163	LF	4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	79.74	1.99
		For Up To 25 LF, Add	*10.41*	
		For >25 To 100 LF, Add	*5.20*	
		For >1,000 LF, Deduct	*-0.61*	
07 71 19 00-0164	LF	>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	92.69	2.37
		For Up To 25 LF, Add	*12.14*	
		For >25 To 100 LF, Add	*6.07*	
		For >1,000 LF, Deduct	*-0.72*	
07 71 19 00-0165	LF	>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat	106.39	2.71
		For Up To 25 LF, Add	*13.91*	
		For >25 To 100 LF, Add	*6.96*	
		For >1,000 LF, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0166		Fascia *(07 71 19)*		
07 71 19 00-0167		Snap-On Cover Fascia *(07 71 19 00-0166)* Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0168		Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0169		KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0168)*		
07 71 19 00-0170		24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia *(07 71 19 00-0169)*		
07 71 19 00-0171	LF	3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	46.18	2.76
		For Up To 25 LF, Add	*6.83*	
		For >25 To 100 LF, Add	*3.42*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0172	LF	>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	52.01	2.87
		For Up To 25 LF, Add	*7.50*	
		For >25 To 100 LF, Add	*3.75*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 19 00-0173	LF	>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat	55.73	2.98
		For Up To 25 LF, Add	*7.96*	
		For >25 To 100 LF, Add	*3.98*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0174		Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0169)*		
07 71 19 00-0175		Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0176	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	325.38	3.87
07 71 19 00-0177	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	347.60	3.87
07 71 19 00-0178	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	361.56	3.87
07 71 19 00-0179		Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems *(07 71 19 00-0174)*		
07 71 19 00-0180	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	264.87	3.87
07 71 19 00-0181	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	276.09	3.87
07 71 19 00-0182	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems	282.92	3.87
07 71 19 00-0183		Aluminum Snap-On Cover Fascia *(07 71 19 00-0167)*		
07 71 19 00-0184		KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0185		0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0186	LF	3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	25.88	2.76
		For Up To 25 LF, Add	*4.80*	
		For >25 To 100 LF, Add	*2.40*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0187	LF	>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.31	2.87
		For Up To 25 LF, Add	*5.23*	
		For >25 To 100 LF, Add	*2.62*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 19 00-0188	LF	>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.11	2.98
		For Up To 25 LF, Add	*5.50*	
		For >25 To 100 LF, Add	*2.75*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0189		0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0184)*		
07 71 19 00-0190	LF	3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	27.21	2.76
		For Up To 25 LF, Add	*4.93*	
		For >25 To 100 LF, Add	*2.47*	
		For >1,000 LF, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0191	LF	>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.02	2.87
		For Up To 25 LF, Add	*5.40*	
		For >25 To 100 LF, Add	*2.70*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 19 00-0192	LF	>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	33.03	2.98
		For Up To 25 LF, Add	*5.69*	
		For >25 To 100 LF, Add	*2.85*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0193		Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0184)*		
07 71 19 00-0194		Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0195	EA	Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	169.68	3.87
07 71 19 00-0196	EA	Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	184.06	3.87
07 71 19 00-0197	EA	Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	190.35	3.87
07 71 19 00-0198		Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0193)*		
07 71 19 00-0199	EA	Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	134.22	3.87
07 71 19 00-0200	EA	Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	141.39	3.87
07 71 19 00-0201	EA	Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems	144.52	3.87
07 71 19 00-0202		Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0183)*		
07 71 19 00-0203		0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0204	LF	3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	29.95	2.76
		For Up To 25 LF, Add	*5.21*	
		For >25 To 100 LF, Add	*2.60*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0205	LF	>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	34.02	2.87
		For Up To 25 LF, Add	*5.70*	
		For >25 To 100 LF, Add	*2.85*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 19 00-0206	LF	>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	36.13	2.98
		For Up To 25 LF, Add	*6.00*	
		For >25 To 100 LF, Add	*3.00*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0207		0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat *(07 71 19 00-0202)*		
07 71 19 00-0208	LF	3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	31.54	2.76
		For Up To 25 LF, Add	*5.37*	
		For >25 To 100 LF, Add	*2.68*	
		For >1,000 LF, Deduct	*-0.55*	
07 71 19 00-0209	LF	>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	36.07	2.87
		For Up To 25 LF, Add	*5.91*	
		For >25 To 100 LF, Add	*2.95*	
		For >1,000 LF, Deduct	*-0.58*	
07 71 19 00-0210	LF	>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat	38.44	2.98
		For Up To 25 LF, Add	*6.23*	
		For >25 To 100 LF, Add	*3.12*	
		For >1,000 LF, Deduct	*-0.60*	
07 71 19 00-0211		Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0202)*		
07 71 19 00-0212		Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0213	EA	Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	210.16	3.87
07 71 19 00-0214	EA	Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	228.14	3.87
07 71 19 00-0215	EA	Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	236.00	3.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0216		Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems *(07 71 19 00-0211)*		
07 71 19 00-0217	EA	Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	165.84	3.87
07 71 19 00-0218	EA	Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	174.80	3.87
07 71 19 00-0219	EA	Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems	178.72	3.87

07 71 23 Manufactured Gutters and Downspouts *(07 71)*

Note: Includes all necessary support straps.

07 71 23 00-0001 Aluminum Gutters And Downspouts *(07 71 23)*

07 71 23 00-0002 Aluminum Gutters *(07 71 23 00-0001)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0003 K-Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0004	LF	5", 0.027" Thick, K-Style Aluminum Gutter	11.03	4.64
		For Up To 100', Add	*2.25*	
		For >100' To 250', Add	*0.93*	
		For >1,000', Deduct	*-0.77*	
		For Kynar 500® Finish, Add	*1.52*	
07 71 23 00-0005	LF	6", 0.027" Thick, K-Style Aluminum Gutter	12.34	4.89
		For Up To 100', Add	*2.44*	
		For >100' To 250', Add	*1.02*	
		For >1,000', Deduct	*-0.80*	
		For Kynar 500® Finish, Add	*1.94*	
07 71 23 00-0006	LF	5", 0.032" Thick, K-Style Aluminum Gutter	11.52	4.64
		For Up To 100', Add	*2.30*	
		For >100' To 250', Add	*0.96*	
		For >1,000', Deduct	*-0.77*	
		For Kynar 500® Finish, Add	*1.74*	
07 71 23 00-0007	LF	6", 0.032" Thick, K-Style Aluminum Gutter	12.97	4.89
		For Up To 100', Add	*2.50*	
		For >100' To 250', Add	*1.05*	
		For >1,000', Deduct	*-0.80*	
		For Kynar 500® Finish, Add	*2.22*	
07 71 23 00-0008	LF	7", 0.032" Thick, K-Style Aluminum Gutter	24.60	5.14
		For Up To 100', Add	*3.76*	
		For >100' To 250', Add	*1.66*	
		For >1,000', Deduct	*-0.87*	
		For Kynar 500® Finish, Add	*7.18*	
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	26.97	5.77
		For Up To 100', Add	*4.13*	
		For >100' To 250', Add	*1.83*	
		For >1,000', Deduct	*-0.95*	
		For Kynar 500® Finish, Add	*7.85*	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	30.33	5.77
		For Up To 100', Add	*4.46*	
		For >100' To 250', Add	*1.99*	
		For >1,000', Deduct	*-0.95*	
		For Kynar 500® Finish, Add	*9.36*	

07 71 23 00-0011 Half Round Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	20.78	4.64
		For Up To 100', Add	*3.23*	
		For >100' To 250', Add	*1.42*	
		For >1,000', Deduct	*-0.77*	
		For Kynar 500® Finish, Add	*5.91*	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	25.12	4.89
		For Up To 100', Add	*3.72*	
		For >100' To 250', Add	*1.66*	
		For >1,000', Deduct	*-0.80*	
		For Kynar 500® Finish, Add	*7.69*	

07 71 23 00-0014 Box Style Aluminum Gutters *(07 71 23 00-0002)*

07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	21.71	5.77
		For Up To 100', Add	*3.60*	
		For >100' To 250', Add	*1.56*	
		For >1,000', Deduct	*-0.95*	
		For Kynar 500® Finish, Add	*5.48*	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	21.77	5.77
		For Up To 100', Add	*3.61*	
		For >100' To 250', Add	*1.57*	
		For >1,000', Deduct	*-0.95*	
		For Kynar 500® Finish, Add	*5.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	25.41	6.15
		For Up To 100', Add	*4.07*	
		For >100' To 250', Add	*1.78*	
		For >1,000', Deduct	*-1.02*	
		For Kynar 500® Finish, Add	*6.86*	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	28.75	6.52
		For Up To 100', Add	*4.49*	
		For >100' To 250', Add	*1.98*	
		For >1,000', Deduct	*-1.08*	
		For Kynar 500® Finish, Add	*8.08*	

07 71 23 00-0019 Aluminum Gutter End Caps *(07 71 23 00-0001)*

07 71 23 00-0020 K-Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	3.68	
		For Kynar 500® Finish, Add	*0.53*	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	4.64	
		For Kynar 500® Finish, Add	*0.96*	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	10.45	
		For Kynar 500® Finish, Add	*3.57*	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	12.22	
		For Kynar 500® Finish, Add	*4.37*	

07 71 23 00-0025 Half Round, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	6.12	
		For Kynar 500® Finish, Add	*1.62*	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	9.65	
		For Kynar 500® Finish, Add	*3.21*	

07 71 23 00-0028 Box Style, Aluminum Gutter End Caps *(07 71 23 00-0019)*

07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	11.42	
		For Kynar 500® Finish, Add	*4.01*	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	12.44	
		For Kynar 500® Finish, Add	*4.47*	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	14.66	
		For Kynar 500® Finish, Add	*5.47*	

07 71 23 00-0032 Aluminum Gutter Miters *(07 71 23 00-0001)*

Note: Inside or outside miters.

07 71 23 00-0033 K-Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	21.96	
		For Kynar 500® Finish, Add	*4.18*	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	29.62	
		For Kynar 500® Finish, Add	*7.23*	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	91.79	
		For Kynar 500® Finish, Add	*34.81*	
07 71 23 00-0037	EA	8", K-Style Aluminum Gutter Miter	99.66	
		For Kynar 500® Finish, Add	*37.90*	

07 71 23 00-0038 Half Round, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0039	EA	5", Half Round Aluminum Gutter Miter	39.00	
		For Kynar 500® Finish, Add	*11.85*	
07 71 23 00-0040	EA	6", Half Round Aluminum Gutter Miter	62.05	
		For Kynar 500® Finish, Add	*21.83*	

07 71 23 00-0041 Box Style, Aluminum Gutter Miters *(07 71 23 00-0032)*

07 71 23 00-0042	EA	6", Box Style Aluminum Gutter Miter	74.18	
		For Kynar 500® Finish, Add	*27.28*	
07 71 23 00-0043	EA	7", Box Style Aluminum Gutter Miter	111.14	
		For Kynar 500® Finish, Add	*43.52*	
07 71 23 00-0044	EA	8", Box Style Aluminum Gutter Miter	120.72	
		For Kynar 500® Finish, Add	*47.38*	

07 71 23 00-0045 Aluminum Gutter Wire Strainers *(07 71 23 00-0001)*

07 71 23 00-0046	EA	3" Diameter, Round Aluminum Wire Strainer	16.08	3.14
		For Kynar 500® Finish, Add	*4.30*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.77*	
		For 0.031" Thick, Add	*4.01*	
07 71 23 00-0047	EA	4" Diameter, Round Aluminum Wire Strainer	24.12	3.14
		For Kynar 500® Finish, Add	*7.92*	
		For 0.024" Thick, Add	*2.46*	
		For 0.027" Thick, Add	*5.10*	
		For 0.031" Thick, Add	*7.39*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0048		**Aluminum Downspouts** *(07 71 23 00-0001)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0049		**Round Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0050	LF	3" Diameter, 0.019" Thick, Round Aluminum Downspout	7.89	3.01
		For Up To 100', Add	*1.28*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.08*	
		For 0.024" Thick, Add	*0.65*	
		For 0.027" Thick, Add	*1.34*	
		For 0.031" Thick, Add	*1.94*	
07 71 23 00-0051	LF	4" Diameter, 0.019" Thick, Round Aluminum Downspout	8.98	3.01
		For Up To 100', Add	*1.39*	
		For >100 To 250', Add	*0.61*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.57*	
		For 0.024" Thick, Add	*0.80*	
		For 0.027" Thick, Add	*1.66*	
		For 0.031" Thick, Add	*2.40*	
07 71 23 00-0052		**Rectangular Aluminum Downspouts** *(07 71 23 00-0048)*		
07 71 23 00-0053	LF	2" x 3", 0.019" Thick, Rectangular Aluminum Downspout	5.63	3.01
		For Up To 100', Add	*1.05*	
		For >100 To 250', Add	*0.44*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*1.07*	
		For 0.024" Thick, Add	*0.33*	
		For 0.027" Thick, Add	*0.69*	
		For 0.031" Thick, Add	*1.00*	
07 71 23 00-0054	LF	3" x 4", 0.019" Thick, Rectangular Aluminum Downspout	7.01	3.01
		For Up To 100', Add	*1.19*	
		For >100 To 250', Add	*0.51*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*1.69*	
		For 0.024" Thick, Add	*0.53*	
		For 0.027" Thick, Add	*1.09*	
		For 0.031" Thick, Add	*1.58*	
07 71 23 00-0055	LF	4" x 5", 0.019" Thick, Rectangular Aluminum Downspout	12.83	3.01
		For Up To 100', Add	*1.77*	
		For >100 To 250', Add	*0.80*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*4.31*	
		For 0.024" Thick, Add	*1.34*	
		For 0.027" Thick, Add	*2.78*	
		For 0.031" Thick, Add	*4.02*	
07 71 23 00-0056		**Aluminum Devices** *(07 71 23 00-0001)*		
07 71 23 00-0057	EA	Thru-Wall Aluminum Scupper Outlet	255.44	24.71
		For Kynar 500® Finish, Add	*77.87*	
07 71 23 00-0058	EA	Aluminum Leader/Conductor Head	256.45	27.47
		For Kynar 500® Finish, Add	*90.68*	
07 71 23 00-0059		**Copper Gutters And Downspouts** *(07 71 23)*		
07 71 23 00-0060		**Copper Gutters** *(07 71 23 00-0059)* Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061		**K-Style Copper Gutters** *(07 71 23 00-0060)*		
07 71 23 00-0062	LF	4", 16 Ounce, K-Style Copper Gutter	19.00	4.39
		For Up To 100', Add	*2.99*	
		For >100' To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.73*	
07 71 23 00-0063	LF	5", 16 Ounce, K-Style Copper Gutter	26.70	4.64
		For Up To 100', Add	*3.82*	
		For >100' To 250', Add	*1.72*	
		For >1,000', Deduct	*-0.77*	
07 71 23 00-0064	LF	6", 16 Ounce, K-Style Copper Gutter	31.76	4.89
		For Up To 100', Add	*4.38*	
		For >100' To 250', Add	*1.99*	
		For >1,000', Deduct	*-0.80*	
07 71 23 00-0065	LF	5", 20 Ounce, K-Style Copper Gutter	33.54	4.64
		For Up To 100', Add	*4.50*	
		For >100' To 250', Add	*2.06*	
		For >1,000', Deduct	*-0.77*	
07 71 23 00-0066	LF	6", 20 Ounce, K-Style Copper Gutter	41.45	4.89
		For Up To 100', Add	*5.35*	
		For >100' To 250', Add	*2.47*	
		For >1,000', Deduct	*-0.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0067	LF	7", 20 Ounce, K-Style Copper Gutter	48.36	5.14
		For Up To 100', Add	*6.13*	
		For >100' To 250', Add	*2.85*	
		For >1,000', Deduct	*-0.87*	
07 71 23 00-0068	LF	8", 20 Ounce, K-Style Copper Gutter	53.76	5.77
		For Up To 100', Add	*6.81*	
		For >100' To 250', Add	*3.16*	
		For >1,000', Deduct	*-0.95*	

07 71 23 00-0069 Half Round Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0070	LF	5", 16 Ounce, Half Round Copper Gutter	23.13	4.64
		For Up To 100', Add	*3.46*	
		For >100' To 250', Add	*1.54*	
		For >1,000', Deduct	*-0.77*	
07 71 23 00-0071	LF	6", 16 Ounce, Half Round Copper Gutter	29.10	4.89
		For Up To 100', Add	*4.11*	
		For >100' To 250', Add	*1.86*	
		For >1,000', Deduct	*-0.80*	
07 71 23 00-0072	LF	7", 16 Ounce, Half Round Copper Gutter	48.32	5.14
		For Up To 100', Add	*6.13*	
		For >100' To 250', Add	*2.85*	
		For >1,000', Deduct	*-0.87*	
07 71 23 00-0073	LF	5", 20 Ounce, Half Round Copper Gutter	26.87	4.64
		For Up To 100', Add	*3.83*	
		For >100' To 250', Add	*1.73*	
		For >1,000', Deduct	*-0.77*	
07 71 23 00-0074	LF	6", 20 Ounce, Half Round Copper Gutter	33.07	4.89
		For Up To 100', Add	*4.51*	
		For >100' To 250', Add	*2.06*	
		For >1,000', Deduct	*-0.80*	
07 71 23 00-0075	LF	7", 20 Ounce, Half Round Copper Gutter	50.74	5.14
		For Up To 100', Add	*6.37*	
		For >100' To 250', Add	*2.97*	
		For >1,000', Deduct	*-0.87*	
07 71 23 00-0076	LF	8", 20 Ounce, Half Round Copper Gutter	57.62	5.77
		For Up To 100', Add	*7.19*	
		For >100' To 250', Add	*3.36*	
		For >1,000', Deduct	*-0.95*	

07 71 23 00-0077 Box Style Copper Gutters *(07 71 23 00-0060)*

07 71 23 00-0078	LF	5", 16 Ounce, Box Style Copper Gutter	26.97	5.27
		For Up To 100', Add	*4.02*	
		For >100' To 250', Add	*1.79*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0079	LF	6", 16 Ounce, Box Style Copper Gutter	29.01	5.77
		For Up To 100', Add	*4.33*	
		For >100' To 250', Add	*1.93*	
		For >1,000', Deduct	*-0.95*	
07 71 23 00-0080	LF	7", 16 Ounce, Box Style Copper Gutter	35.07	6.15
		For Up To 100', Add	*5.03*	
		For >100' To 250', Add	*2.26*	
		For >1,000', Deduct	*-1.02*	
07 71 23 00-0081	LF	8", 16 Ounce, Box Style Copper Gutter	35.85	6.52
		For Up To 100', Add	*5.20*	
		For >100' To 250', Add	*2.33*	
		For >1,000', Deduct	*-1.08*	
07 71 23 00-0082	LF	5", 20 Ounce, Box Style Copper Gutter	30.62	5.27
		For Up To 100', Add	*4.38*	
		For >100' To 250', Add	*1.97*	
		For >1,000', Deduct	*-0.88*	
07 71 23 00-0083	LF	6", 20 Ounce, Box Style Copper Gutter	32.66	5.77
		For Up To 100', Add	*4.70*	
		For >100' To 250', Add	*2.11*	
		For >1,000', Deduct	*-0.95*	
07 71 23 00-0084	LF	7", 20 Ounce, Box Style Copper Gutter	38.72	6.15
		For Up To 100', Add	*5.40*	
		For >100' To 250', Add	*2.44*	
		For >1,000', Deduct	*-1.02*	
07 71 23 00-0085	LF	8", 20 Ounce, Box Style Copper Gutter	39.50	6.52
		For Up To 100', Add	*5.57*	
		For >100' To 250', Add	*2.51*	
		For >1,000', Deduct	*-1.08*	

07 71 23 00-0086 Copper Gutter End Caps *(07 71 23 00-0059)*

07 71 23 00-0087 K-Style, Copper Gutter End Caps *(07 71 23 00-0086)*

07 71 23 00-0088	EA	4", K-Style Copper Gutter End Cap	6.55
07 71 23 00-0089	EA	5", K-Style Copper Gutter End Cap	7.00
07 71 23 00-0090	EA	6", K-Style Copper Gutter End Cap	7.44
07 71 23 00-0091	EA	7", K-Style Copper Gutter End Cap	19.40
07 71 23 00-0092	EA	8", K-Style Copper Gutter End Cap	23.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0093		**Half Round, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0094	EA	4", Half Round Copper Gutter End Cap	7.88	
07 71 23 00-0095	EA	5", Half Round Copper Gutter End Cap	8.82	
07 71 23 00-0096	EA	6", Half Round Copper Gutter End Cap	13.20	
07 71 23 00-0097	EA	7", Half Round Copper Gutter End Cap	39.25	
07 71 23 00-0098	EA	8", Half Round Copper Gutter End Cap	46.32	
07 71 23 00-0099		**Box Style, Copper Gutter End Caps** *(07 71 23 00-0086)*		
07 71 23 00-0100	EA	5", Box Style Copper Gutter End Cap	14.92	
07 71 23 00-0101	EA	6", Box Style Copper Gutter End Cap	15.65	
07 71 23 00-0102	EA	7", Box Style Copper Gutter End Cap	16.38	
07 71 23 00-0103	EA	8", Box Style Copper Gutter End Cap	17.84	
07 71 23 00-0104		**Copper Gutter Miters** *(07 71 23 00-0059)*		
		Note: Inside or outside miters.		
07 71 23 00-0105		**K-Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0106	EA	4", K-Style Copper Gutter Miter	41.76	
07 71 23 00-0107	EA	5", K-Style Copper Gutter Miter	47.24	
07 71 23 00-0108	EA	6", K-Style Copper Gutter Miter	67.56	
07 71 23 00-0109	EA	7", K-Style Copper Gutter Miter	95.14	
07 71 23 00-0110	EA	8", K-Style Copper Gutter Miter	111.47	
07 71 23 00-0111		**Half Round, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0112	EA	4", Half Round Copper Gutter Miter	64.59	
07 71 23 00-0113	EA	5", Half Round Copper Gutter Miter	59.89	
07 71 23 00-0114	EA	6", Half Round Copper Gutter Miter	85.86	
07 71 23 00-0115	EA	7", Half Round Copper Gutter Miter	102.24	
07 71 23 00-0116	EA	8", Half Round Copper Gutter Miter	120.67	
07 71 23 00-0117		**Box Style, Copper Gutter Miters** *(07 71 23 00-0104)*		
07 71 23 00-0118	EA	5", 16 Ounce Box Style Copper Gutter Miter	71.01	
07 71 23 00-0119	EA	6", 16 Ounce Box Style Copper Gutter Miter	73.35	
07 71 23 00-0120	EA	7", 16 Ounce Box Style Copper Gutter Miter	80.07	
07 71 23 00-0121	EA	8", 16 Ounce Box Style Copper Gutter Miter	81.74	
07 71 23 00-0122	EA	5", 20 Ounce Box Style Copper Gutter Miter	78.31	
07 71 23 00-0123	EA	6", 20 Ounce Box Style Copper Gutter Miter	80.65	
07 71 23 00-0124	EA	7", 20 Ounce Box Style Copper Gutter Miter	87.37	
07 71 23 00-0125	EA	8", 20 Ounce Box Style Copper Gutter Miter	95.67	
07 71 23 00-0126		**Copper Gutter Wire Strainers** *(07 71 23 00-0059)*		
07 71 23 00-0127	EA	2" Diameter, Round Copper Wire Strainer	20.97	3.14
07 71 23 00-0128	EA	3" Diameter, Round Copper Wire Strainer	25.72	3.14
07 71 23 00-0129	EA	4" Diameter, Round Copper Wire Strainer	41.21	3.14
07 71 23 00-0130	EA	5" Diameter, Round Copper Wire Strainer	54.71	3.14
07 71 23 00-0131	EA	6" Diameter, Round Copper Wire Strainer	66.01	3.14
07 71 23 00-0132		**Copper Downspouts** *(07 71 23 00-0059)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0133		**Round Copper Downspouts** *(07 71 23 00-0132)*		
07 71 23 00-0134	LF	2" Diameter, 16 Ounce, Round Copper Downspout	26.42	3.01
		For Up To 100', Add	*3.13*	
		For >100 To 250', Add	*1.48*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0135	LF	3" Diameter, 16 Ounce, Round Copper Downspout	18.51	3.01
		For Up To 100', Add	*2.34*	
		For >100 To 250', Add	*1.09*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0136	LF	4" Diameter, 16 Ounce, Round Copper Downspout	23.23	3.01
		For Up To 100', Add	*2.81*	
		For >100 To 250', Add	*1.32*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0137	LF	5" Diameter, 16 Ounce, Round Copper Downspout	36.91	3.01
		For Up To 100', Add	*4.18*	
		For >100 To 250', Add	*2.01*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0138	LF	6" Diameter, 16 Ounce, Round Copper Downspout	47.35	3.01
		For Up To 100', Add	*5.22*	
		For >100 To 250', Add	*2.53*	
		For >1,000', Deduct	*-0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0139	LF	3" Diameter, 20 Ounce, Round Copper Downspout	24.91	3.01
		For Up To 100', Add	*2.98*	
		For >100 To 250', Add	*1.41*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0140	LF	4" Diameter, 20 Ounce, Round Copper Downspout	32.21	3.01
		For Up To 100', Add	*3.71*	
		For >100 To 250', Add	*1.77*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0141	LF	5" Diameter, 20 Ounce, Round Copper Downspout	48.77	3.01
		For Up To 100', Add	*5.37*	
		For >100 To 250', Add	*2.60*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0142		Square Copper Downspouts *(07 71 23 00-0132)*		
07 71 23 00-0143	LF	3" Diameter, 16 Ounce, Square Copper Downspout	12.94	3.01
		For Up To 100', Add	*1.78*	
		For >100 To 250', Add	*0.81*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0144	LF	4" Diameter, 16 Ounce, Square Copper Downspout	16.07	3.01
		For Up To 100', Add	*2.10*	
		For >100 To 250', Add	*0.97*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0145	LF	5" Diameter, 16 Ounce, Square Copper Downspout	22.85	3.01
		For Up To 100', Add	*2.77*	
		For >100 To 250', Add	*1.31*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0146	LF	3" Diameter, 20 Ounce, Square Copper Downspout	14.87	3.01
		For Up To 100', Add	*1.98*	
		For >100 To 250', Add	*0.91*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0147	LF	4" Diameter, 20 Ounce, Square Copper Downspout	18.79	3.01
		For Up To 100', Add	*2.37*	
		For >100 To 250', Add	*1.10*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0148	LF	5" Diameter, 20 Ounce, Square Copper Downspout	26.83	3.01
		For Up To 100', Add	*3.17*	
		For >100 To 250', Add	*1.50*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0149		Rectangular Copper Downspouts *(07 71 23 00-0132)*		
07 71 23 00-0150	LF	2" x 3", 16 Ounce, Rectangular Copper Downspout	19.00	3.01
		For Up To 100', Add	*2.39*	
		For >100 To 250', Add	*1.11*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0151	LF	3" x 4", 16 Ounce, Rectangular Copper Downspout	23.93	3.01
		For Up To 100', Add	*2.88*	
		For >100 To 250', Add	*1.36*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0152	LF	4" x 5", 16 Ounce, Rectangular Copper Downspout	33.88	3.01
		For Up To 100', Add	*3.88*	
		For >100 To 250', Add	*1.86*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0153	LF	2" x 3", 20 Ounce, Rectangular Copper Downspout	22.06	3.01
		For Up To 100', Add	*2.70*	
		For >100 To 250', Add	*1.27*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0154	LF	3" x 4", 20 Ounce, Rectangular Copper Downspout	28.18	3.01
		For Up To 100', Add	*3.31*	
		For >100 To 250', Add	*1.57*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0155	LF	4" x 5", 20 Ounce, Rectangular Copper Downspout	40.29	3.01
		For Up To 100', Add	*4.52*	
		For >100 To 250', Add	*2.18*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0156		Copper Devices And Accessories *(07 71 23 00-0059)*		
07 71 23 00-0157	EA	Thru-Wall Copper Scupper Outlet	214.18	24.71
07 71 23 00-0158	EA	Copper Leader/Conductor Head	305.83	27.47
07 71 23 00-0159	EA	Copper Eave Box	140.13	18.82
07 71 23 00-0160		Galvanized Steel Gutters And Downspouts *(07 71 23)*		
07 71 23 00-0161		Galvanized Steel Gutters *(07 71 23 00-0160)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0162		K-Style Galvanized Steel Gutters *(07 71 23 00-0161)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0163	LF	5", 26 Gauge, K-Style Galvanized Steel Gutter	14.14	4.64
		For Up To 100', Add	*2.56*	
		For >100' To 250', Add	*1.09*	
		For >1,000', Deduct	*-0.77*	
		For Kynar 500® Finish, Add	*2.92*	
		For 24 Gauge, Add	*1.82*	
		For 22 Gauge, Add	*3.57*	
07 71 23 00-0164	LF	6", 26 Gauge, K-Style Galvanized Steel Gutter	16.50	4.89
		For Up To 100', Add	*2.85*	
		For >100' To 250', Add	*1.23*	
		For >1,000', Deduct	*-0.80*	
		For Kynar 500® Finish, Add	*3.81*	
		For 24 Gauge, Add	*2.37*	
		For 22 Gauge, Add	*4.66*	
07 71 23 00-0165	LF	7", 26 Gauge, K-Style Galvanized Steel Gutter	34.71	5.14
		For Up To 100', Add	*4.77*	
		For >100' To 250', Add	*2.17*	
		For >1,000', Deduct	*-0.87*	
		For Kynar 500® Finish, Add	*11.73*	
		For 24 Gauge, Add	*7.30*	
		For 22 Gauge, Add	*14.33*	
07 71 23 00-0166	LF	8", 26 Gauge, K-Style Galvanized Steel Gutter	36.58	5.77
		For Up To 100', Add	*5.09*	
		For >100' To 250', Add	*2.31*	
		For >1,000', Deduct	*-0.95*	
		For Kynar 500® Finish, Add	*12.17*	
		For 24 Gauge, Add	*7.57*	
		For 22 Gauge, Add	*14.88*	

07 71 23 00-0167 Half Round Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0168	LF	5", 26 Gauge, Half Round Galvanized Steel Gutter	20.84	4.64
		For Up To 100', Add	*3.23*	
		For >100' To 250', Add	*1.42*	
		For >1,000', Deduct	*-0.77*	
		For Kynar 500® Finish, Add	*5.94*	
		For 24 Gauge, Add	*3.69*	
		For 22 Gauge, Add	*7.25*	
07 71 23 00-0169	LF	6", 26 Gauge, Half Round Galvanized Steel Gutter	26.37	4.89
		For Up To 100', Add	*3.84*	
		For >100' To 250', Add	*1.72*	
		For >1,000', Deduct	*-0.80*	
		For Kynar 500® Finish, Add	*8.25*	
		For 24 Gauge, Add	*5.14*	
		For 22 Gauge, Add	*10.09*	
07 71 23 00-0170	LF	7", 26 Gauge, Half Round Galvanized Steel Gutter	67.07	5.14
		For Up To 100', Add	*8.00*	
		For >100' To 250', Add	*3.79*	
		For >1,000', Deduct	*-0.87*	
		For Kynar 500® Finish, Add	*26.29*	
		For 24 Gauge, Add	*16.36*	
		For 22 Gauge, Add	*32.13*	
07 71 23 00-0171	LF	8", 26 Gauge, Half Round Galvanized Steel Gutter	71.54	5.77
		For Up To 100', Add	*8.58*	
		For >100' To 250', Add	*4.05*	
		For >1,000', Deduct	*-0.95*	
		For Kynar 500® Finish, Add	*27.90*	
		For 24 Gauge, Add	*17.36*	
		For 22 Gauge, Add	*34.11*	

07 71 23 00-0172 Box Style Galvanized Steel Gutters *(07 71 23 00-0161)*

07 71 23 00-0173	LF	5", 24 Gauge, Box Style Galvanized Steel Gutter	24.97	5.27
		For Up To 100', Add	*3.82*	
		For >100' To 250', Add	*1.69*	
		For >1,000', Deduct	*-0.88*	
		For Kynar 500® Finish, Add	*7.28*	
		For 22 Gauge, Add	*3.56*	
07 71 23 00-0174	LF	6", 24 Gauge, Box Style Galvanized Steel Gutter	29.34	5.77
		For Up To 100', Add	*4.36*	
		For >100' To 250', Add	*1.94*	
		For >1,000', Deduct	*-0.95*	
		For Kynar 500® Finish, Add	*8.91*	
		For 22 Gauge, Add	*4.36*	
07 71 23 00-0175	LF	7", 24 Gauge, Box Style Galvanized Steel Gutter	37.29	5.14
		For Up To 100', Add	*5.03*	
		For >100' To 250', Add	*2.30*	
		For >1,000', Deduct	*-0.87*	
		For Kynar 500® Finish, Add	*12.89*	
		For 22 Gauge, Add	*6.30*	
07 71 23 00-0176	LF	8", 24 Gauge, Box Style Galvanized Steel Gutter	41.35	6.52
		For Up To 100', Add	*5.75*	
		For >100' To 250', Add	*2.61*	
		For >1,000', Deduct	*-1.08*	
		For Kynar 500® Finish, Add	*13.75*	
		For 22 Gauge, Add	*6.72*	

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		MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0177				Galvanized Steel Gutter End Caps *(07 71 23 00-0160)*		
07 71 23 00-0178				K-Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*		
	07 71 23 00-0179		EA	5", K-Style Galvanized Steel Gutter End Cap	6.40	
				For Kynar 500® Finish, Add	*1.75*	
	07 71 23 00-0180		EA	6", K-Style Galvanized Steel Gutter End Cap	7.42	
				For Kynar 500® Finish, Add	*2.21*	
	07 71 23 00-0181		EA	7", K-Style Galvanized Steel Gutter End Cap	16.50	
				For Kynar 500® Finish, Add	*6.30*	
	07 71 23 00-0182		EA	8", K-Style Galvanized Steel Gutter End Cap	24.08	
				For Kynar 500® Finish, Add	*9.71*	
07 71 23 00-0183				Half Round, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*		
	07 71 23 00-0184		EA	5", Half Round Galvanized Steel Gutter End Cap	8.32	
				For Kynar 500® Finish, Add	*2.61*	
	07 71 23 00-0185		EA	6", Half Round Galvanized Steel Gutter End Cap	9.63	
				For Kynar 500® Finish, Add	*3.20*	
	07 71 23 00-0186		EA	7", Half Round Galvanized Steel Gutter End Cap	18.23	
				For Kynar 500® Finish, Add	*7.07*	
	07 71 23 00-0187		EA	8", Half Round Galvanized Steel Gutter End Cap	24.76	
				For Kynar 500® Finish, Add	*10.01*	
07 71 23 00-0188				Box Style, Galvanized Steel Gutter End Caps *(07 71 23 00-0177)*		
	07 71 23 00-0189		EA	5", Box Style Galvanized Steel Gutter End Cap	15.19	
				For Kynar 500® Finish, Add	*5.71*	
	07 71 23 00-0190		EA	6", Box Style Galvanized Steel Gutter End Cap	18.36	
				For Kynar 500® Finish, Add	*7.13*	
	07 71 23 00-0191		EA	7", Box Style Galvanized Steel Gutter End Cap	20.61	
				For Kynar 500® Finish, Add	*8.15*	
	07 71 23 00-0192		EA	8", Box Style Galvanized Steel Gutter End Cap	27.73	
				For Kynar 500® Finish, Add	*11.35*	
07 71 23 00-0193				Galvanized Steel Gutter Miters *(07 71 23 00-0160)* Note: Inside or outside miters.		
07 71 23 00-0194				K-Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*		
	07 71 23 00-0195		EA	5", K-Style Galvanized Steel Gutter Miter	39.01	
				For Kynar 500® Finish, Add	*11.85*	
	07 71 23 00-0196		EA	6", K-Style Galvanized Steel Gutter Miter	63.96	
				For Kynar 500® Finish, Add	*22.68*	
	07 71 23 00-0197		EA	7", K-Style Galvanized Steel Gutter Miter	103.08	
				For Kynar 500® Finish, Add	*39.89*	
	07 71 23 00-0198		EA	8", K-Style Galvanized Steel Gutter Miter	115.94	
				For Kynar 500® Finish, Add	*45.23*	
07 71 23 00-0199				Half Round, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*		
	07 71 23 00-0200		EA	5", Half Round Galvanized Steel Gutter Miter	53.91	
				For Kynar 500® Finish, Add	*18.56*	
	07 71 23 00-0201		EA	6", Half Round Galvanized Steel Gutter Miter	60.66	
				For Kynar 500® Finish, Add	*21.20*	
	07 71 23 00-0202		EA	7", Half Round Galvanized Steel Gutter Miter	174.64	
				For Kynar 500® Finish, Add	*72.09*	
	07 71 23 00-0203		EA	8", Half Round Galvanized Steel Gutter Miter	184.54	
				For Kynar 500® Finish, Add	*76.10*	
07 71 23 00-0204				Box Style, Galvanized Steel Gutter Miters *(07 71 23 00-0193)*		
	07 71 23 00-0205		EA	5", Box Style Galvanized Steel Gutter Miter	50.93	
				For Kynar 500® Finish, Add	*17.22*	
	07 71 23 00-0206		EA	6", Box Style Galvanized Steel Gutter Miter	83.67	
				For Kynar 500® Finish, Add	*31.55*	
	07 71 23 00-0207		EA	7", Box Style Galvanized Steel Gutter Miter	109.01	
				For Kynar 500® Finish, Add	*42.56*	
	07 71 23 00-0208		EA	8", Box Style Galvanized Steel Gutter Miter	115.94	
				For Kynar 500® Finish, Add	*45.23*	
07 71 23 00-0209				Galvanized Steel Gutter Wire Strainers *(07 71 23 00-0160)*		
	07 71 23 00-0210		EA	3" Diameter, Round Galvanized Steel Wire Strainer	14.13	3.14
				For Kynar 500® Finish, Add	*3.42*	
	07 71 23 00-0211		EA	4" Diameter, Round Galvanized Steel Wire Strainer	20.61	3.14
				For Kynar 500® Finish, Add	*6.34*	
07 71 23 00-0212				Galvanized Steel Downspouts *(07 71 23 00-0160)* Note: Includes elbows, hangers and fasteners.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0213		**Round Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0214	LF	3" Diameter, 26 Gauge, Round Galvanized Steel Downspout	8.00	3.01
		For Up To 100', Add	*1.29*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.13*	
		For 24 Gauge, Add	*1.33*	
		For 22 Gauge, Add	*2.61*	
07 71 23 00-0215	LF	4" Diameter, 26 Gauge, Round Galvanized Steel Downspout	10.02	3.01
		For Up To 100', Add	*1.49*	
		For >100 To 250', Add	*0.66*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*3.04*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.72*	
07 71 23 00-0216	LF	5" Diameter, 26 Gauge, Round Galvanized Steel Downspout	13.77	3.01
		For Up To 100', Add	*1.87*	
		For >100 To 250', Add	*0.85*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*4.73*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.78*	
07 71 23 00-0217	LF	6" Diameter, 26 Gauge, Round Galvanized Steel Downspout	31.09	3.01
		For Up To 100', Add	*3.60*	
		For >100 To 250', Add	*1.72*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*12.52*	
		For 24 Gauge, Add	*7.79*	
		For 22 Gauge, Add	*15.31*	
07 71 23 00-0218		**Square Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0219	LF	4" x 4", 26 Gauge, Square Galvanized Steel Downspout	9.13	3.01
		For Up To 100', Add	*1.40*	
		For >100 To 250', Add	*0.62*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.64*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.23*	
07 71 23 00-0220	LF	5" x 5", 26 Gauge, Square Galvanized Steel Downspout	11.80	3.01
		For Up To 100', Add	*1.67*	
		For >100 To 250', Add	*0.75*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*3.84*	
		For 24 Gauge, Add	*2.39*	
		For 22 Gauge, Add	*4.70*	
07 71 23 00-0221		**Rectangular Galvanized Steel Downspouts** *(07 71 23 00-0212)*		
07 71 23 00-0222	LF	2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout	8.15	3.01
		For Up To 100', Add	*1.30*	
		For >100 To 250', Add	*0.57*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*2.20*	
		For 24 Gauge, Add	*1.37*	
		For 22 Gauge, Add	*2.69*	
07 71 23 00-0223	LF	3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout	10.49	3.01
		For Up To 100', Add	*1.54*	
		For >100 To 250', Add	*0.69*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*3.25*	
		For 24 Gauge, Add	*2.02*	
		For 22 Gauge, Add	*3.98*	
07 71 23 00-0224	LF	4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout	19.79	3.01
		For Up To 100', Add	*2.47*	
		For >100 To 250', Add	*1.15*	
		For >1,000', Deduct	*-0.33*	
		For Kynar 500® Finish, Add	*7.44*	
		For 24 Gauge, Add	*4.63*	
		For 22 Gauge, Add	*9.09*	
07 71 23 00-0225		**Galvanized Steel Devices** *(07 71 23 00-0160)*		
07 71 23 00-0226	EA	Galvanized Steel Leader/Conductor Head	357.60	27.47
		For Kynar 500® Finish, Add	*136.20*	
07 71 23 00-0227	EA	Thru-Wall Galvanized Steel Scupper Outlet	174.62	24.71
		For Kynar 500® Finish, Add	*41.50*	
07 71 23 00-0228		**Stainless Steel Gutters And Downspouts** *(07 71 23)*		
		Note: AISI type 304 stainless steel.		
07 71 23 00-0229		**Stainless Steel Gutters** *(07 71 23 00-0228)*		
		Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0230		**K-Style, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0231	LF	5", 26 Gauge, K-Style Stainless Steel Gutter	30.42	4.64
		For Up To 100', Add	*4.19*	
		For >100' To 250', Add	*1.90*	
		For >1,000', Deduct	*-0.77*	
		For 316 Stainless Steel, Add	*8.65*	
		For 24 Gauge, Add	*7.51*	
		For 22 Gauge, Add	*15.03*	
		For 20 Gauge, Add	*22.54*	
07 71 23 00-0232	LF	6", 26 Gauge, K-Style Stainless Steel Gutter	36.50	4.89
		For Up To 100', Add	*4.85*	
		For >100' To 250', Add	*2.23*	
		For >1,000', Deduct	*-0.80*	
		For 316 Stainless Steel, Add	*10.82*	
		For 24 Gauge, Add	*9.40*	
		For 22 Gauge, Add	*18.79*	
		For 20 Gauge, Add	*28.19*	
07 71 23 00-0233		**Half Round, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0234	LF	5", 26 Gauge, Half Round Stainless Steel Gutter	42.13	4.64
		For Up To 100', Add	*5.36*	
		For >100' To 250', Add	*2.49*	
		For >1,000', Deduct	*-0.77*	
		For 316 Stainless Steel, Add	*13.10*	
		For 24 Gauge, Add	*11.38*	
		For 22 Gauge, Add	*22.76*	
		For 20 Gauge, Add	*34.14*	
07 71 23 00-0235	LF	6", 26 Gauge, Half Round Stainless Steel Gutter	51.06	4.89
		For Up To 100', Add	*6.31*	
		For >100' To 250', Add	*2.95*	
		For >1,000', Deduct	*-0.80*	
		For 316 Stainless Steel, Add	*16.35*	
		For 24 Gauge, Add	*14.20*	
		For 22 Gauge, Add	*28.40*	
		For 20 Gauge, Add	*42.60*	
07 71 23 00-0236		**Box Style, Stainless Steel Gutters** *(07 71 23 00-0229)*		
07 71 23 00-0237	LF	5", 26 Gauge, Box Style Stainless Steel Gutter	41.26	5.27
		For Up To 100', Add	*5.44*	
		For >100' To 250', Add	*2.50*	
		For >1,000', Deduct	*-0.88*	
		For 316 Stainless Steel, Add	*12.34*	
		For 24 Gauge, Add	*10.72*	
		For 22 Gauge, Add	*21.43*	
		For 20 Gauge, Add	*32.15*	
		For 18 Gauge, Add	*53.90*	
		For Seamless Gutter, Add	*-0.31*	
07 71 23 00-0238	LF	6", 26 Gauge, Box Style Stainless Steel Gutter	50.32	5.77
		For Up To 100', Add	*6.46*	
		For >100' To 250', Add	*2.99*	
		For >1,000', Deduct	*-0.95*	
		For 316 Stainless Steel, Add	*15.50*	
		For 24 Gauge, Add	*13.46*	
		For 22 Gauge, Add	*26.92*	
		For 20 Gauge, Add	*40.38*	
		For 18 Gauge, Add	*67.71*	
		For Seamless Gutter, Add	*-0.61*	
07 71 23 00-0239	LF	7", 26 Gauge, Box Style Stainless Steel Gutter	59.46	6.15
		For Up To 100', Add	*7.47*	
		For >100' To 250', Add	*3.48*	
		For >1,000', Deduct	*-1.02*	
		For 316 Stainless Steel, Add	*18.73*	
		For 24 Gauge, Add	*16.27*	
		For 22 Gauge, Add	*32.54*	
		For 20 Gauge, Add	*48.81*	
		For 18 Gauge, Add	*81.84*	
		For Seamless Gutter, Add	*-0.94*	
07 71 23 00-0240	LF	8", 26 Gauge, Box Style Stainless Steel Gutter	64.65	6.52
		For Up To 100', Add	*8.08*	
		For >100' To 250', Add	*3.77*	
		For >1,000', Deduct	*-1.08*	
		For 316 Stainless Steel, Add	*20.47*	
		For 24 Gauge, Add	*17.77*	
		For 22 Gauge, Add	*35.55*	
		For 20 Gauge, Add	*53.32*	
		For 18 Gauge, Add	*89.41*	
		For Seamless Gutter, Add	*-1.07*	
07 71 23 00-0241		**Stainless Steel Gutter End Caps** *(07 71 23 00-0228)*		
07 71 23 00-0242		**K-Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0241)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0243	EA	5", K-Style Stainless Steel Gutter End Cap	9.63	
		For 316 Stainless Steel, Add	*2.71*	
07 71 23 00-0244	EA	6", K-Style Stainless Steel Gutter End Cap	11.06	
		For 316 Stainless Steel, Add	*3.25*	
07 71 23 00-0245		**Half Round, Stainless Steel Gutter End Caps** *(07 71 23 00-0241)*		
07 71 23 00-0246	EA	5", Half Round Stainless Steel Gutter End Cap	11.41	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0247	EA	6", Half Round Stainless Steel Gutter End Cap	13.19	
		For 316 Stainless Steel, Add	*4.06*	
07 71 23 00-0248		**Box Style, Stainless Steel Gutter End Caps** *(07 71 23 00-0241)*		
07 71 23 00-0249	EA	5", Box Style Stainless Steel Gutter End Cap	12.04	
		For 316 Stainless Steel, Add	*3.38*	
07 71 23 00-0250	EA	6", Box Style Stainless Steel Gutter End Cap	13.82	
		For 316 Stainless Steel, Add	*4.06*	
07 71 23 00-0251	EA	7", Box Style Stainless Steel Gutter End Cap	14.46	
		For 316 Stainless Steel, Add	*4.39*	
07 71 23 00-0252	EA	8", Box Style Stainless Steel Gutter End Cap	17.55	
		For 316 Stainless Steel, Add	*5.40*	
07 71 23 00-0253		**Stainless Steel Gutter Miters** *(07 71 23 00-0228)*		
		Note: Inside or outside box miters.		
07 71 23 00-0254		**K-Style, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0255	EA	5", K-Style Stainless Steel Gutter Miter	49.47	
		For 316 Stainless Steel, Add	*13.98*	
07 71 23 00-0256	EA	6", K-Style Stainless Steel Gutter Miter	78.84	
		For 316 Stainless Steel, Add	*24.81*	
07 71 23 00-0257		**Half Round, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0258	EA	5", Half Round Stainless Steel Gutter Miter	120.70	
		For 316 Stainless Steel, Add	*41.05*	
07 71 23 00-0259	EA	6", Half Round Stainless Steel Gutter Miter	147.65	
		For 316 Stainless Steel, Add	*50.96*	
07 71 23 00-0260		**Box-Style, Stainless Steel Gutter Miters** *(07 71 23 00-0253)*		
07 71 23 00-0261	EA	5", Box-Style Stainless Steel Gutter Miter	56.83	
		For 316 Stainless Steel, Add	*16.78*	
07 71 23 00-0262	EA	6", Box-Style Stainless Steel Gutter Miter	91.90	
		For 316 Stainless Steel, Add	*29.77*	
07 71 23 00-0263	EA	7", Box-Style Stainless Steel Gutter Miter	105.84	
		For 316 Stainless Steel, Add	*34.74*	
07 71 23 00-0264	EA	8", Box-Style Stainless Steel Gutter Miter	119.90	
		For 316 Stainless Steel, Add	*39.70*	
07 71 23 00-0265		**Stainless Steel Gutter Wire Strainers** *(07 71 23 00-0228)*		
07 71 23 00-0266	EA	3" Diameter, Round Stainless Steel Wire Strainer	47.43	3.14
07 71 23 00-0267	EA	4" Diameter, Round Stainless Steel Wire Strainer	48.55	3.14
07 71 23 00-0268		**Stainless Steel Downspouts** *(07 71 23 00-0228)*		
		Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0269		**Round Stainless Steel Downspouts** *(07 71 23 00-0268)*		
07 71 23 00-0270	LF	3" Diameter, 26 Gauge, Round Stainless Steel Downspout	17.97	3.01
		For Up To 100', Add	*2.29*	
		For >100 To 250', Add	*1.06*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*5.59*	
		For 24 Gauge, Add	*4.85*	
		For 22 Gauge, Add	*9.71*	
		For 20 Gauge, Add	*14.56*	
07 71 23 00-0271	LF	4" Diameter, 26 Gauge, Round Stainless Steel Downspout	23.68	3.01
		For Up To 100', Add	*2.86*	
		For >100 To 250', Add	*1.35*	
		For >1,000', Deduct	*-0.33*	
		For 316 Stainless Steel, Add	*7.76*	
		For 24 Gauge, Add	*6.74*	
		For 22 Gauge, Add	*13.48*	
		For 20 Gauge, Add	*20.22*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0272		LF	5" Diameter, 26 Gauge, Round Stainless Steel Downspout	34.46	3.01
			For Up To 100', Add	*3.94*	
			For >100 To 250', Add	*1.89*	
			For >1,000', Deduct	*-0.33*	
			For 316 Stainless Steel, Add	*11.86*	
			For 24 Gauge, Add	*10.30*	
			For 22 Gauge, Add	*20.59*	
			For 20 Gauge, Add	*30.89*	

07 71 23 00-0273 Rectangular Stainless Steel Downspouts *(07 71 23 00-0268)*

07 71 23 00-0274		LF	2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout	18.39	3.01
			For Up To 100', Add	*2.33*	
			For >100 To 250', Add	*1.08*	
			For >1,000', Deduct	*-0.33*	
			For 316 Stainless Steel, Add	*5.75*	
			For 24 Gauge, Add	*4.99*	
			For 22 Gauge, Add	*9.99*	
			For 20 Gauge, Add	*14.98*	
			For 18 Gauge, Add	*25.12*	
07 71 23 00-0275		LF	3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout	24.53	3.01
			For Up To 100', Add	*2.94*	
			For >100 To 250', Add	*1.39*	
			For >1,000', Deduct	*-0.33*	
			For 316 Stainless Steel, Add	*8.08*	
			For 24 Gauge, Add	*7.02*	
			For 22 Gauge, Add	*14.04*	
			For 20 Gauge, Add	*21.06*	
			For 18 Gauge, Add	*35.31*	
07 71 23 00-0276		LF	4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout	31.72	3.01
			For Up To 100', Add	*3.66*	
			For >100 To 250', Add	*1.75*	
			For >1,000', Deduct	*-0.33*	
			For 316 Stainless Steel, Add	*10.81*	
			For 24 Gauge, Add	*9.39*	
			For 22 Gauge, Add	*18.78*	
			For 20 Gauge, Add	*28.18*	
			For 18 Gauge, Add	*47.24*	

07 71 23 00-0277 Stainless Steel Devices *(07 71 23 00-0228)*

07 71 23 00-0278		EA	Thru-Wall Stainless Steel Scupper Outlet	274.11	28.23
			For 316 Stainless Steel, Add	*68.41*	
07 71 23 00-0279		EA	Stainless Steel Leader/Conductor Head	486.47	28.23
			For 316 Stainless Steel, Add	*161.02*	

07 71 23 00-0280 Vinyl Gutters And Downspouts *(07 71 23)*

07 71 23 00-0281 Vinyl Gutters *(07 71 23 00-0280)*

Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.

07 71 23 00-0282 K-Style Vinyl Gutters *(07 71 23 00-0281)*

07 71 23 00-0283		LF	4", K-Style Vinyl Gutter	12.10	3.14
			For Up To 100', Add	*1.99*	
			For >100' To 250', Add	*0.87*	
			For >1,000', Deduct	*-0.52*	
07 71 23 00-0284		LF	5", K-Style Vinyl Gutter	15.64	3.14
			For Up To 100', Add	*2.35*	
			For >100' To 250', Add	*1.04*	
			For >1,000', Deduct	*-0.52*	

07 71 23 00-0285 Half Round Vinyl Gutters *(07 71 23 00-0281)*

07 71 23 00-0286		LF	4", Half Round Vinyl Gutter	12.50	3.14
			For Up To 100', Add	*2.03*	
			For >100' To 250', Add	*0.89*	
			For >1,000', Deduct	*-0.52*	
07 71 23 00-0287		LF	5", Half Round Vinyl Gutter	13.15	3.14
			For Up To 100', Add	*2.10*	
			For >100' To 250', Add	*0.92*	
			For >1,000', Deduct	*-0.52*	

07 71 23 00-0288 Vinyl Gutter End Caps *(07 71 23 00-0280)*

07 71 23 00-0289 K-Style, Vinyl Gutter End Caps *(07 71 23 00-0288)*

07 71 23 00-0290		EA	4", K-Style Vinyl Gutter End Cap	7.49	
07 71 23 00-0291		EA	5", K-Style Vinyl Gutter End Cap	10.43	

07 71 23 00-0292 Half Round, Vinyl Gutter End Caps *(07 71 23 00-0288)*

07 71 23 00-0293		EA	4", Half Round Vinyl Gutter End Cap	8.57	
07 71 23 00-0294		EA	5", Half Round Vinyl Gutter End Cap	8.09	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0295		**Vinyl Gutter Miters** *(07 71 23 00-0280)* Note: Inside or outside miters.		
07 71 23 00-0296		**K-Style, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0297	EA	4", K-Style Vinyl Gutter Miter	18.71	
07 71 23 00-0298	EA	5", K-Style Vinyl Gutter Miter	28.19	
07 71 23 00-0299		**Half Round, Vinyl Gutter Miters** *(07 71 23 00-0295)*		
07 71 23 00-0300	EA	4", Half Round Vinyl Gutter Miter	18.71	
07 71 23 00-0301	EA	5", Half Round Vinyl Gutter Miter	20.34	
07 71 23 00-0302		**Vinyl Downspouts** *(07 71 23 00-0280)* Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0303		**Round Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0304	LF	2-1/2" Diameter, Round Vinyl Downspout	7.95	3.01
		For Up To 100', Add	*1.28*	
		For >100 To 250', Add	*0.56*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0305	LF	3" Diameter, Round Vinyl Downspout	8.29	3.01
		For Up To 100', Add	*1.32*	
		For >100 To 250', Add	*0.58*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0306		**Square Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0307	LF	2-1/2", Square Vinyl Downspout	7.81	3.01
		For Up To 100', Add	*1.27*	
		For >100 To 250', Add	*0.55*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0308		**Rectangular Vinyl Downspouts** *(07 71 23 00-0302)*		
07 71 23 00-0309	LF	2" x 3", Rectangular Vinyl Downspout	10.02	3.01
		For Up To 100', Add	*1.49*	
		For >100 To 250', Add	*0.66*	
		For >1,000', Deduct	*-0.33*	
07 71 23 00-0310		**Gutter And Downspout Boots** *(07 71 23)*		
07 71 23 00-0311		**Cast Iron Roof Drainage Downspout Boots** *(07 71 23 00-0310)*		
07 71 23 00-0312	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot	347.89	4.52
07 71 23 00-0313	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot	453.74	4.52
07 71 23 00-0314	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot	541.76	4.52
07 71 23 00-0315		**Cast Iron Roof Drainage Downspout Boots With Cleanouts** *(07 71 23 00-0310)*		
07 71 23 00-0316	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	601.67	4.52
07 71 23 00-0317	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	735.24	4.52
07 71 23 00-0318	EA	5" x 7" x 30" Long, Cast Iron Roof Drainage Downspout Boot With Cleanout	1,335.06	4.52
07 71 23 00-0319		**Wall Mounted Downspout Covers With Hinged Perforated Cover** *(07 71 23)*		
07 71 23 00-0320	EA	3" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-03)	1,201.42	30.55
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0321	EA	4" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-04)	1,221.79	40.74
		For Polished Brass Finish (-PB), Add	*114.03*	
		For Chrome Plated Finish (-CP), Add	*171.05*	
		For Vandal Proof (-U), Add	*57.02*	
07 71 23 00-0322	EA	6" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-06)	1,310.60	53.14
		For Polished Brass Finish (-PB), Add	*120.43*	
		For Chrome Plated Finish (-CP), Add	*180.65*	
		For Vandal Proof (-U), Add	*60.22*	
07 71 23 00-0323	EA	8" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-08)	1,396.46	67.09
		For Polished Brass Finish (-PB), Add	*126.23*	
		For Chrome Plated Finish (-CP), Add	*189.34*	
		For Vandal Proof (-U), Add	*63.11*	
07 71 23 00-0324	EA	10" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-10)	1,501.00	82.65
		For Polished Brass Finish (-PB), Add	*133.57*	
		For Chrome Plated Finish (-CP), Add	*200.36*	
		For Vandal Proof (-U), Add	*66.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0325	EA	12" Diameter PipeSize, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-12)	1,647.62	115.38
		For Polished Brass Finish (-PB), Add	*141.68*	
		For Chrome Plated Finish (-CP), Add	*212.53*	
		For Vandal Proof (-U), Add	*70.84*	
07 71 23 00-0326	EA	15" Diameter Pipe Size, Type 304 Stainless Steel Downspout Cover With Hinged Perforated Cover (JR Smith 1775-15)	1,817.81	160.47
		For Polished Brass Finish (-PB), Add	*149.69*	
		For Chrome Plated Finish (-CP), Add	*224.53*	
		For Vandal Proof (-U), Add	*74.84*	

07 71 23 00-0327 Wall Mounted Downspout Nozzle *(07 71 23)*

07 71 23 00-0328	EA	3" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-03)	307.28	30.55
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0329	EA	4" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-04)	327.65	40.74
		For Nickel Bronze Finish (-NB), Add	*172.32*	
		For Polished Bronze Finish (-PB), Add	*135.39*	
		For Chrome Plated Finish (-CP), Add	*219.09*	
07 71 23 00-0330	EA	6" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-06)	690.21	53.14
		For Nickel Bronze Finish (-NB), Add	*175.19*	
		For Polished Bronze Finish (-PB), Add	*99.27*	
		For Chrome Plated Finish (-CP), Add	*256.94*	
07 71 23 00-0331	EA	8" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-08)	1,020.59	67.09
		For Nickel Bronze Finish (-NB), Add	*150.69*	
		For Polished Bronze Finish (-PB), Add	*115.23*	
		For Chrome Plated Finish (-CP), Add	*257.06*	
07 71 23 00-0332	EA	10" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-10)	1,316.10	82.65
		For Nickel Bronze Finish (-NB), Add	*195.64*	
		For Polished Bronze Finish (-PB), Add	*149.60*	
		For Chrome Plated Finish (-CP), Add	*333.73*	
07 71 23 00-0333	EA	12" Diameter Pipe Size, Rough Bronze Finish Downspout Nozzle (JR Smith 1770-12)	1,678.52	115.38
		For Nickel Bronze Finish (-NB), Add	*246.12*	
		For Polished Bronze Finish (-PB), Add	*188.21*	
		For Chrome Plated Finish (-CP), Add	*419.84*	

07 71 23 00-0334 Leaf Guards And Cleaning *(07 71 23)*

07 71 23 00-0335	LF	Aluminum Mesh Gutter Leaf Guard	4.22	1.07
		For Up To 100', Add	*0.74*	
		For >100' To 250', Add	*0.32*	
		For >1,000', Deduct	*-0.21*	
07 71 23 00-0336	LF	Vinyl Mesh Gutter Leaf Guard	3.35	1.07
		For Up To 100', Add	*0.65*	
		For >100' To 250', Add	*0.27*	
		For >1,000', Deduct	*-0.21*	
07 71 23 00-0337	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	17.18	1.34
		For Up To 100', Add	*2.12*	
		For >100' To 250', Add	*0.99*	
		For >1,000', Deduct	*-0.27*	
07 71 23 00-0338	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire	24.45	1.34
		For Up To 100', Add	*2.85*	
		For >100' To 250', Add	*1.36*	
		For >1,000', Deduct	*-0.27*	
07 71 23 00-0339	LF	6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	13.08	1.34
		For Up To 100', Add	*1.63*	
		For >100' To 250', Add	*0.76*	
		For >1,000', Deduct	*-0.21*	
07 71 23 00-0340	LF	9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh	20.05	1.34
		For Up To 100', Add	*2.32*	
		For >100' To 250', Add	*1.11*	
		For >1,000', Deduct	*-0.21*	
07 71 23 00-0341	EA	Cleanout Roof Drain Note: Includes removing dome and flushing.	152.60	
07 71 23 00-0342	LF	Cleanout Roof Gutters And Downspouts	1.76	

07 71 26 Reglets *(07 71)*

07 71 26 00-0001 Counter Flashing With Reglet *(07 71 26)*

Note: Includes reglet cut.

07 71 26 00-0002 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0001)*

07 71 26 00-0003 Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*

07 71 26 00-0004	LF	28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	16.58	4.92
07 71 26 00-0005	LF	26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	16.76	4.92
07 71 26 00-0006	LF	24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	17.08	4.92
07 71 26 00-0007	LF	22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	18.31	4.92
07 71 26 00-0008	LF	20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.00	4.92
07 71 26 00-0009	LF	18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet	19.80	4.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 26 00-0010		KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet *(07 71 26 00-0002)*		
07 71 26 00-0011	LF	28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	19.61	4.92
07 71 26 00-0012	LF	26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	19.88	4.92
07 71 26 00-0013	LF	24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	20.34	4.92
07 71 26 00-0014	LF	22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	22.11	4.92
07 71 26 00-0015	LF	20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	23.12	4.92
07 71 26 00-0016	LF	18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet	24.29	4.92
07 71 26 00-0017		Aluminum Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0018		KYNAR 500® Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0019	LF	0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	14.08	4.92
07 71 26 00-0020	LF	0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	14.75	4.92
07 71 26 00-0021	LF	0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	15.42	4.92
07 71 26 00-0022	LF	0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	15.90	4.92
07 71 26 00-0023	LF	0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	16.98	4.92
07 71 26 00-0024	LF	0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet	18.55	4.92
07 71 26 00-0025		Mill Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0026	LF	0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	12.55	4.92
07 71 26 00-0027	LF	0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	12.98	4.92
07 71 26 00-0028	LF	0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	13.40	4.92
07 71 26 00-0029	LF	0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	13.71	4.92
07 71 26 00-0030	LF	0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	14.40	4.92
07 71 26 00-0031	LF	0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet	15.40	4.92
07 71 26 00-0032		Clear Anodized Finish, Aluminum Counter Flashing With Reglet *(07 71 26 00-0017)*		
07 71 26 00-0033	LF	0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	13.77	4.92
07 71 26 00-0034	LF	0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	14.39	4.92
07 71 26 00-0035	LF	0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.01	4.92
07 71 26 00-0036	LF	0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	15.46	4.92
07 71 26 00-0037	LF	0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	16.45	4.92
07 71 26 00-0038	LF	0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet	17.90	4.92
07 71 26 00-0039		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0040		Stainless Steel Counter Flashing With Reglet *(07 71 26 00-0039)*		
07 71 26 00-0041	LF	24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	19.59	4.92
07 71 26 00-0042	LF	22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	20.89	4.92
07 71 26 00-0043	LF	20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet	21.32	4.92
07 71 26 00-0044		Copper Counter Flashing With Reglet *(07 71 26 00-0001)*		
07 71 26 00-0045		Copper Counter Flashing With Reglet *(07 71 26 00-0044)*		
07 71 26 00-0046	LF	16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet	49.36	4.92

07 72 Roof Accessories *(07 70)*

07 72 13 Manufactured Curbs *(07 72)*

07 72 13 00-0001		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13)* Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashinig and trim.		
07 72 13 00-0002		Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0001)* Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003		18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*		
07 72 13 00-0004		9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0005	EA	26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	943.29	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.77*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0006	EA	26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	958.85	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0007	EA	26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,038.83	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0008	EA	26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,098.46	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*187.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0009	EA	26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,142.54	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0010	EA	26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,391.08	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0011	EA	38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	964.03	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0012	EA	38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,041.42	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0013	EA	38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,075.13	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*182.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0014	EA	38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,088.09	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.31*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0015	EA	38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,349.59	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*233.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0016	EA	38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,476.24	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0017	EA	50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,160.69	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.57*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0018	EA	50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,266.62	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*90.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0019	EA	50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,295.14	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0020	EA	50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,421.79	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*244.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0021	EA	51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,525.13	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0022	EA	51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,649.18	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*282.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0023	EA	62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,295.14	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.92*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0024	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,393.27	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0025	EA	62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,522.53	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0026	EA	62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,548.46	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*266.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0027	EA	62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,677.71	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*288.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0028 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*

07 72 13 00-0029	EA	26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	977.00	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0030	EA	26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	984.78	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0031	EA	26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,064.75	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.98*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0032	EA	26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,132.17	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0033	EA	26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,181.43	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0034	EA	26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,422.19	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0035	EA	38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	987.37	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0036	EA	38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,111.43	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0037	EA	38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,163.28	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0038	EA	38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,222.92	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0039	EA	38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,391.08	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.00*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*242.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0040	EA	38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,528.10	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.09*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0041	EA	50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,191.81	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0042	EA	50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,292.55	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*222.40*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0043	EA	50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,334.03	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0044	EA	50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,463.28	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0045	EA	51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,574.39	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*271.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0046	EA	51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,706.23	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0047	EA	62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,334.03	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0048	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,434.76	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*103.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*247.24*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0049	EA	62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,566.61	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.33*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*270.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0050	EA	62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,600.32	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*276.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0051	EA	62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,734.75	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*300.01*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	
07 72 13 00-0052		14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0003)*		
07 72 13 00-0053	EA	26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	995.15	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.63*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0054	EA	26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,002.93	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0055	EA	26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,077.72	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0056	EA	26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,152.91	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0057	EA	26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,209.96	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0058	EA	26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,458.49	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.59*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0059	EA	38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,002.93	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.70*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0060	EA	38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,077.72	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0061	EA	38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,209.96	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0062	EA	38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,272.19	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0063	EA	38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,422.19	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*248.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0064	EA	38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,561.81	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*272.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0065	EA	50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,212.55	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0066	EA	50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,233.31	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*87.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0067	EA	50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,359.96	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0068	EA	50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,494.39	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*109.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*259.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0069	EA	51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,605.51	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*277.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0070	EA	51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,742.53	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*127.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*301.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0071	EA	62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,359.96	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*235.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0072	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,463.28	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*106.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0073	EA	62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,600.32	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*276.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0074	EA	62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,634.03	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*120.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*283.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0075	EA	62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,773.64	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*307.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0077		9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
07 72 13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	914.77	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.59*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.07*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	948.47	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.96*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.81*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,085.50	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,163.28	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*200.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,220.33	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.54*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,499.98	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,010.70	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*173.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,106.24	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,132.17	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,155.51	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,437.75	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.67*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*251.44*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,579.96	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*276.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,222.92	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,331.44	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*230.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,372.93	288.84
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.19*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.48*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
	07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,509.95	317.73
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.28*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*262.27*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
	07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,621.06	346.61
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.78*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*280.89*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
	07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,760.68	375.49
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.13*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*305.20*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
	07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,372.93	288.84
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.19*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*238.48*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
	07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,476.24	317.73
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.91*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*255.53*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
	07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,615.88	346.61
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.26*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*279.85*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
	07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,652.18	346.61
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*121.89*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*287.11*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
	07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,794.39	375.49
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*132.50*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*311.94*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	
	07 72 13 00-0101		12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*		
	07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	938.10	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.93*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.74*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
	07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	977.00	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.82*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.52*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
	07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,124.39	259.96
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.94*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.38*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
	07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,209.96	259.96
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.50*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*209.50*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,279.96	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*223.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0107	EA	26" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,510.35	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*265.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0108	EA	38" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,044.41	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0109	EA	38" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,147.73	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	
07 72 13 00-0110	EA	38" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,181.43	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*85.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0111	EA	38" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,212.55	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*88.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*210.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0112	EA	38" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,499.98	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*113.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*263.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0113	EA	38" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,655.15	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.80*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*291.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0114	EA	50" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,269.59	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*94.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.42*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0115	EA	50" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,383.30	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*102.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*240.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0116	EA	50" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,432.56	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0117	EA	50" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,572.18	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*117.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*274.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0118	EA	51" x 99" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,693.67	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*295.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0119	EA	51" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,843.65	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*137.43*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*321.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0120	EA	62" x 62" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,432.56	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*107.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*250.41*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,543.66	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*114.65*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*269.02*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,688.48	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*125.52*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*294.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,727.37	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*302.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,882.55	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*141.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*329.57*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	

07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs *(07 72 13 00-0076)*

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	956.25	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.74*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	997.74	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.89*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-49.31*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*12.65*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.78*	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,147.73	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*197.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,241.07	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.72*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-80.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*19.22*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*34.72*	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,318.86	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*99.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,593.32	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*123.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*282.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-133.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-33.74*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*8.31*	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,070.34	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*11.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.14*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*139.97*	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,191.81	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*205.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-76.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*16.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*53.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,238.48	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*91.35*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,248.85	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*92.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*217.28*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0136	EA	38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,546.65	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*118.56*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*273.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0137	EA	38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,707.01	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.99*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*301.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*32.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*167.52*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*220.64*	
07 72 13 00-0138	EA	50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,300.71	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*97.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*227.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0139	EA	50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,315.19	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*95.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*226.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-118.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-27.98*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*16.28*	
07 72 13 00-0140	EA	50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,471.46	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*258.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0141	EA	50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,618.85	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*122.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*284.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-164.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-64.77*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*6.03*	
07 72 13 00-0142	EA	51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,740.34	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*130.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*304.74*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0143	EA	51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,900.70	375.49
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*143.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*333.20*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-226.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-87.05*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-11.79*	
07 72 13 00-0144	EA	62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,471.46	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*111.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*258.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0145	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,590.33	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*119.32*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*278.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0146	EA	62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,732.56	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*129.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*303.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-222.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-114.38*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-50.20*	
07 72 13 00-0147	EA	62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,779.23	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*134.60*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*312.52*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	07 72 13 00-0148	EA	62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,939.59	375.49
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*147.02*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*340.98*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-281.26*	
			For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-170.61*	
			For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*-28.96*	
	07 72 13 00-0149		**Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs** *(07 72 13 00-0001)*		
			Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
	07 72 13 00-0150		**6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs** *(07 72 13 00-0149)*		
	07 72 13 00-0151	EA	14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	898.68	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.98*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*150.85*	
	07 72 13 00-0152	EA	23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,041.18	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.23*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.35*	
	07 72 13 00-0153	EA	32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,192.63	259.96
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.77*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.03*	
	07 72 13 00-0154	EA	41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,306.41	259.96
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*98.15*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*228.79*	
	07 72 13 00-0155	EA	50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,444.80	288.84
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*108.37*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*252.85*	
	07 72 13 00-0156		**12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs** *(07 72 13 00-0149)*		
	07 72 13 00-0157	EA	14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,107.34	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.85*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.58*	
	07 72 13 00-0158	EA	23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,300.74	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*101.19*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*231.26*	
	07 72 13 00-0159	EA	32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,378.39	259.96
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*105.34*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*243.18*	
	07 72 13 00-0160	EA	41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,451.10	259.96
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*112.62*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*257.73*	
	07 72 13 00-0161	EA	50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,625.10	288.84
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*126.40*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*288.91*	
	07 72 13 00-0162	EA	64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	2,587.24	317.73
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*219.01*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*477.73*	
	07 72 13 00-0163		**18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs** *(07 72 13 00-0149)*		
	07 72 13 00-0164	EA	17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,450.15	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*116.13*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*261.15*	
	07 72 13 00-0165	EA	24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,647.90	231.07
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*135.91*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*300.70*	
	07 72 13 00-0166	EA	31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb	1,954.94	259.96
			For Sloped Roofs Up To 1 In 12 Pitch, Add	*163.00*	
			For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*358.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0167		**Wood, Prefabricated Roof Curbs** *(07 72 13)* Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168		**Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0167)*		
07 72 13 00-0169		**2 x 6 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		
07 72 13 00-0170	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	756.94	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*46.81*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*122.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0171	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	842.42	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*135.99*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0172	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	899.96	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*147.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0173	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	893.32	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*146.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0174	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	908.81	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.39*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*149.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0175	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,018.65	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.76*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0176	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	904.39	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*57.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*148.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0177	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,038.57	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0178	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,182.99	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.97*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*193.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0179	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	998.73	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.77*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.64*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0180	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,097.49	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0181	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb	1,227.25	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*79.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*202.12*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0182		**2 x 8 Wood Framed, Prefabricated Roof Curbs** *(07 72 13 00-0168)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0183	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	770.22	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*125.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0184	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	857.91	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*139.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0185	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	942.01	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*155.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0186	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	919.88	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.49*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*151.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0187	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	942.01	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*155.91*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0188	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,051.85	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.08*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.26*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0189	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	928.73	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0190	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,069.55	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*177.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0191	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,213.97	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*199.47*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0192	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,023.08	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.20*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.51*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0193	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,126.26	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*185.54*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0194	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb	1,258.23	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0195 2 x 10 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0196	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	779.07	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*49.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*126.93*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0197	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	873.40	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.85*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*142.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0198	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	946.43	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*62.15*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0199	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	935.37	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.04*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0200	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	961.92	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.70*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.89*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0201	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,073.98	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.29*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*178.69*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0202	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	944.22	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.93*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*156.35*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0203	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,089.47	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*181.79*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0204	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,233.89	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*80.06*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0205	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,038.57	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.75*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*171.61*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0206	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,143.96	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*74.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*189.08*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0207	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb	1,280.36	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.71*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.75*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0208 2 x 12 Wood Framed, Prefabricated Roof Curbs *(07 72 13 00-0168)*

07 72 13 00-0209	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	790.14	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*129.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0210	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	882.25	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*143.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0211	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	966.35	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.78*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0212	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	984.05	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.91*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*164.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0213	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,098.32	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.73*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*183.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0214	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	964.14	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.92*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*160.33*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0215	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,111.60	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.05*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.21*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0216	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,260.44	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.72*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.76*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0217	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb	1,161.67	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.45*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*192.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

07 72 13 00-0218 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0167)*

07 72 13 00-0219 2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0220	EA	26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	774.65	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*48.58*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*126.05*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0221	EA	26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	857.91	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*53.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*139.09*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0222	EA	26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	928.73	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*153.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0223	EA	38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	913.24	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.83*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*150.15*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0224	EA	38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	933.15	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*60.82*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*154.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0225	EA	38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,045.21	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*68.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*172.94*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0226	EA	50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	924.30	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*59.94*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*152.37*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0227	EA	50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,062.91	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*70.19*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*176.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0228	EA	51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,207.33	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*77.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*198.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0229	EA	62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,025.29	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*66.42*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*168.95*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0230	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,121.83	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.47*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.65*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0231	EA	62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb	1,258.23	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*82.50*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*208.32*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0232 2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0233	EA	26" x 26" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	790.14	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*50.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*129.14*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0234	EA	26" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	875.62	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*55.07*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*142.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0235	EA	26" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	955.28	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0236	EA	38" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	939.79	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*61.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*155.46*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0237	EA	38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	968.56	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*64.36*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*161.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0238	EA	38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,085.04	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*72.40*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*180.90*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0239	EA	50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	955.28	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*158.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0240	EA	50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,100.53	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*73.95*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*184.00*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0241	EA	51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,249.38	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*81.61*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*206.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0242	EA	62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,054.06	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.30*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*174.71*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0243	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,155.03	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.79*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*191.29*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0244	EA	62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb	1,295.85	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.26*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*215.84*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	

07 72 13 00-0245 2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*

07 72 13 00-0246	EA	26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	803.42	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*51.46*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*131.80*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0247	EA	26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	893.32	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*56.84*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*146.17*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	981.84	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*163.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	959.71	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*63.48*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*159.45*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-94.97*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*2.40*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*33.38*	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	995.12	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.02*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*166.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,113.81	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*75.28*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*186.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	975.20	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*65.03*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*162.55*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,124.88	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*76.38*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*188.87*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,275.93	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.27*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*211.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,076.19	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.51*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*179.13*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*27.22*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*100.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*184.34*	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,179.37	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*78.22*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*196.16*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb	1,324.62	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*89.14*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*221.60*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*40.50*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*148.93*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*259.58*	
07 72 13 00-0258		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs *(07 72 13 00-0218)*		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	829.97	231.07
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*54.11*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*137.11*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-40.18*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*6.29*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*30.64*	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	906.60	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*58.17*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*148.83*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-60.27*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*17.18*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*32.68*	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,001.76	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*67.68*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*167.86*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.25*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*128.69*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*141.96*	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,017.25	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*69.23*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*170.96*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*20.58*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*126.80*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*155.57*	
07 72 13 00-0263	EA	38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,197.91	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*83.69*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*203.48*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*26.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*143.84*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*188.10*	
07 72 13 00-0264	EA	50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,039.38	259.96
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*71.44*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*175.38*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-98.62*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-1.25*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*23.09*	
07 72 13 00-0265	EA	50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,202.33	288.84
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*84.13*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*204.36*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-140.63*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.16*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*12.07*	
07 72 13 00-0266	EA	51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,364.45	346.61
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*93.12*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*229.56*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*34.19*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*158.12*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*213.44*	
07 72 13 00-0267	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb	1,261.25	317.73
		For Sloped Roofs Up To 1 In 12 Pitch, Add	*86.41*	
		For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add	*212.53*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add	*-171.66*	
		For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add	*-63.24*	
		For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	*5.36*	

07 72 23 Relief Vents *(07 72)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0001			Wind Driven Turbine Ventilators *(07 72 23)* Note: Excludes curb or flange base.		
07 72 23 00-0002			Galvanized Steel, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*		
07 72 23 00-0003		EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	188.99	35.06
			For Curb Or Flange Base, Add	*206.99*	
07 72 23 00-0004		EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	227.38	38.82
			For Curb Or Flange Base, Add	*227.23*	
07 72 23 00-0005		EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	244.54	46.34
			For Curb Or Flange Base, Add	*251.90*	
07 72 23 00-0006		EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	477.37	51.34
			For Curb Or Flange Base, Add	*412.15*	
07 72 23 00-0007		EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	660.16	57.60
			For Curb Or Flange Base, Add	*445.91*	
07 72 23 00-0008		EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	798.00	62.61
			For Curb Or Flange Base, Add	*484.20*	
07 72 23 00-0009		EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,021.24	70.12
			For Curb Or Flange Base, Add	*594.70*	
07 72 23 00-0010		EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator	1,691.56	93.92
			For Curb Or Flange Base, Add	*981.29*	
07 72 23 00-0011			Mill Finish Aluminum, Wind Driven Turbine Ventilators *(07 72 23 00-0001)*		
07 72 23 00-0012		EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	175.02	35.06
			For Curb Or Flange Base, Add	*207.54*	
07 72 23 00-0013		EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	218.72	38.82
			For Curb Or Flange Base, Add	*228.42*	
07 72 23 00-0014		EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	244.59	46.34
			For Curb Or Flange Base, Add	*252.74*	
07 72 23 00-0015		EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	439.64	51.34
			For Curb Or Flange Base, Add	*437.42*	
07 72 23 00-0016		EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	568.41	57.60
			For Curb Or Flange Base, Add	*467.00*	
07 72 23 00-0017		EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	720.41	62.61
			For Curb Or Flange Base, Add	*526.75*	
07 72 23 00-0018		EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	974.52	70.12
			For Curb Or Flange Base, Add	*637.15*	
07 72 23 00-0019		EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator	1,452.91	93.92
			For Curb Or Flange Base, Add	*960.01*	
07 72 23 00-0020			Stationary Siphon Ventilators *(07 72 23)* Note: Excludes curb or flange base.		
07 72 23 00-0021			Galvanized Steel, Stationary Siphon Ventilators *(07 72 23 00-0020)*		
07 72 23 00-0022		EA	6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	158.50	35.06
			For Curb Or Flange Base, Add	*206.99*	
07 72 23 00-0023		EA	9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	209.94	38.82
			For Curb Or Flange Base, Add	*227.23*	
07 72 23 00-0024		EA	12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	230.24	46.34
			For Curb Or Flange Base, Add	*251.90*	
07 72 23 00-0025		EA	15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	399.11	51.34
			For Curb Or Flange Base, Add	*412.15*	
07 72 23 00-0026		EA	18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	462.10	57.60
			For Curb Or Flange Base, Add	*445.91*	
07 72 23 00-0027		EA	21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	658.03	62.61
			For Curb Or Flange Base, Add	*484.20*	
07 72 23 00-0028		EA	24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	859.02	70.12
			For Curb Or Flange Base, Add	*594.70*	
07 72 23 00-0029		EA	36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator	1,246.54	93.92
			For Curb Or Flange Base, Add	*981.29*	
07 72 23 00-0030			Mill Finish Aluminum, Stationary Siphon Ventilators *(07 72 23 00-0020)*		
07 72 23 00-0031		EA	6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	168.08	35.06
			For Curb Or Flange Base, Add	*207.54*	
07 72 23 00-0032		EA	9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	222.87	38.82
			For Curb Or Flange Base, Add	*228.42*	
07 72 23 00-0033		EA	12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	248.07	46.34
			For Curb Or Flange Base, Add	*252.74*	
07 72 23 00-0034		EA	15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	406.96	51.34
			For Curb Or Flange Base, Add	*437.42*	
07 72 23 00-0035		EA	18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	512.90	57.60
			For Curb Or Flange Base, Add	*467.00*	
07 72 23 00-0036		EA	21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	630.19	62.61
			For Curb Or Flange Base, Add	*526.75*	
07 72 23 00-0037		EA	24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	905.16	70.12
			For Curb Or Flange Base, Add	*637.15*	
07 72 23 00-0038		EA	36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator	1,364.24	93.92
			For Curb Or Flange Base, Add	*960.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0039		**Spun Aluminum, Stationary Mushroom Gravity Ventilators** *(07 72 23)*		
		Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA	8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	338.79	56.35
		For Backdraft Damper, Add	*188.42*	
		For Curb Base, Add	*269.79*	
07 72 23 00-0041	EA	10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	420.32	62.61
		For Backdraft Damper, Add	*206.15*	
		For Curb Base, Add	*294.98*	
07 72 23 00-0042	EA	12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	473.79	75.14
		For Backdraft Damper, Add	*281.52*	
		For Curb Base, Add	*374.82*	
07 72 23 00-0043	EA	16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	581.24	82.65
		For Backdraft Damper, Add	*321.42*	
		For Curb Base, Add	*435.13*	
07 72 23 00-0044	EA	24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,587.37	112.71
		For Backdraft Damper, Add	*403.43*	
		For Curb Base, Add	*572.20*	
07 72 23 00-0045	EA	30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	1,941.53	130.24
		For Backdraft Damper, Add	*476.58*	
		For Curb Base, Add	*684.85*	
07 72 23 00-0046	EA	36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	2,656.63	150.27
		For Backdraft Damper, Add	*476.58*	
		For Curb Base, Add	*709.73*	
07 72 23 00-0047	EA	42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	3,754.14	162.80
		For Backdraft Damper, Add	*498.75*	
		For Curb Base, Add	*734.15*	
07 72 23 00-0048	EA	48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator	5,425.77	175.32
		For Backdraft Damper, Add	*554.16*	
		For Curb Base, Add	*827.28*	
07 72 23 00-0049		**Galvanized Steel, Stationary Gooseneck Ventilators** *(07 72 23)*		
		Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA	8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	667.03	62.61
07 72 23 00-0051	EA	12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	777.29	82.65
07 72 23 00-0052	EA	16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,122.66	112.71
07 72 23 00-0053	EA	24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator	1,767.18	130.24
07 72 26		**Ridge Vents** *(07 72)*		
07 72 26 00-0001		**Aluminum Ridge Vents** *(07 72 26)*		
07 72 26 00-0002	LF	Aluminum Ridge Vent Strips	15.48	3.64
07 72 26 00-0003	EA	Aluminum Ridge Univent Connectors	58.22	22.58
07 72 26 00-0004	EA	Aluminum Ridge Univent End Cap	53.75	22.58
07 72 26 00-0005		**Galvanized Ridge Vents** *(07 72 26)*		
07 72 26 00-0006	LF	Galvanized Sheet Metal Ridge Vent Strips	14.31	3.88
07 72 29		**Rafter Vent** *(07 72)*		
07 72 29 00-0001		**Rafter Vent** *(07 72 29)*		
		Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA	22" x 4' Rafter Vent	11.58	
07 72 29 00-0003	EA	14" x 4' Rafter Vent	10.47	
07 72 33		**Roof Hatches** *(07 72)*		
		Note: Includes curb with integral insulation, lockable hatch and gaskets.		
07 72 33 00-0001		**Galvanized Steel Cover And Curb** *(07 72 33)*		
07 72 33 00-0002	EA	2'-6" x 3'-0" Galvanized Steel Roof Hatch	1,483.08	160.56
07 72 33 00-0003	EA	2'-6" x 4'-6" Galvanized Steel Roof Hatch	2,193.70	178.39
07 72 33 00-0004	EA	2'-6" x 8'-0" Galvanized Steel Roof Hatch	3,895.49	243.29
07 72 33 00-0005	EA	3'-0" x 3'-0" Galvanized Steel Roof Hatch	2,165.25	178.39
07 72 33 00-0006	EA	4'-0" x 4'-0" Galvanized Steel Roof Hatch	2,444.58	198.25
07 72 33 00-0007	EA	3'-0" x 8'-0" Galvanized Steel Roof Hatch	4,026.69	270.39
07 72 33 00-0008		**Aluminum Cover And Curb** *(07 72 33)*		
07 72 33 00-0009	EA	2'-6" x 3'-0" Aluminum Roof Hatch	1,264.16	160.56
07 72 33 00-0010	EA	2'-6" x 4'-6" Aluminum Roof Hatch	1,640.15	178.39
07 72 33 00-0011	EA	2'-6" x 8'-0" Aluminum Roof Hatch	2,973.27	243.29
07 72 33 00-0012	EA	3'-0" x 3'-0" Aluminum Roof Hatch	1,603.88	178.39
07 72 33 00-0013	EA	4'-0" x 4'-0" Aluminum Roof Hatch	2,848.18	198.25
07 72 33 00-0014	EA	3'-0" x 8'-0" Aluminum Roof Hatch	3,133.27	270.39
07 72 33 00-0015	EA	3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight	1,796.07	178.39
07 72 33 00-0016		**Steel, Plain, Primed** *(07 72 33)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0017	EA	2'-6" x 3'-0" Plain Steel Roof Hatch Primed	1,420.18	160.56
07 72 33 00-0018	EA	2'-6" x 4'-6" Plain Steel Roof Hatch Primed	1,932.43	178.39
07 72 33 00-0019	EA	2'-6" x 8'-0" Plain Steel Roof Hatch Primed	2,647.66	243.29
07 72 33 00-0020	EA	3'-0" x 3'-0" Plain Steel Roof Hatch Primed	1,793.82	178.39
07 72 33 00-0021	EA	4'-0" x 4'-0" Plain Steel Roof Hatch Primed	2,204.94	198.25
07 72 33 00-0022	EA	3'-0" x 8'-0" Plain Steel Roof Hatch Primed	2,996.26	270.39
07 72 33 00-0023		Stainless Steel *(07 72 33)*		
07 72 33 00-0024	EA	2'-6" x 3'-0" Stainless Steel Roof Hatch	3,049.19	160.56
07 72 33 00-0025	EA	2'-6" x 4'-6" Stainless Steel Roof Hatch	5,851.84	178.39
07 72 33 00-0026	EA	2'-6" x 8'-0" Stainless Steel Roof Hatch	8,803.14	243.29
07 72 33 00-0027	EA	3'-0" x 3'-0" Stainless Steel Roof Hatch	4,693.47	178.39
07 72 33 00-0028	EA	4'-0" x 4'-0" Stainless Steel Roof Hatch	9,941.38	198.25
07 72 33 00-0029	EA	3'-0" x 8'-0" Stainless Steel Roof Hatch	11,129.09	270.39
07 72 33 00-0030		Removal And Reinstallation Of Roof Hatch *(07 72 33)*		
		Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA	Removal And Reinstallation Of Roof Hatch, All Types	493.85	
07 72 33 00-0032		Aluminum Cover And Galvanized Steel Curb *(07 72 33)*		
07 72 33 00-0033	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof	1,225.05	178.39
07 72 33 00-0034	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof	1,601.04	198.25
07 72 33 00-0035	EA	Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof	2,871.59	270.27
07 72 33 00-0036	EA	Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof	1,572.59	183.97
07 72 33 00-0037	EA	Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof	2,762.13	203.82
07 72 33 00-0038		Roof Hatch Accessories *(07 72 33)*		
07 72 33 00-0039	EA	Enamel Steel, Roof Hatch Ladderup Safety Post	931.79	83.62
07 72 33 00-0040		Roof Hatch Safety Railing *(07 72 33)*		
		Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0041	EA	24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,079.21	
07 72 33 00-0042	EA	24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,158.22	
07 72 33 00-0043	EA	30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,213.04	
07 72 33 00-0044	EA	30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,409.25	
07 72 33 00-0045	EA	36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	2,635.60	
07 72 33 00-0046	EA	48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate	3,375.94	
07 72 36		**Smoke Vents** *(07 72)*		
07 72 36 00-0001		Fire Vent *(07 72 36)*		
07 72 36 00-0002		Galvanized Steel Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0003	EA	4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	3,961.31	148.74
07 72 36 00-0004	EA	4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,548.17	204.49
07 72 36 00-0005	EA	4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,187.12	223.11
07 72 36 00-0006	EA	4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,287.71	234.26
07 72 36 00-0007	EA	5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,153.72	204.49
07 72 36 00-0008	EA	5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,541.06	223.11
07 72 36 00-0009	EA	5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,904.41	241.73
07 72 36 00-0010	EA	5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,866.85	260.35
07 72 36 00-0011	EA	5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	9,775.86	278.86
07 72 36 00-0012	EA	5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,532.97	241.73
07 72 36 00-0013	EA	5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	13,805.65	297.48
07 72 36 00-0014	EA	6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,519.13	316.10
07 72 36 00-0015		Aluminum Covers And Galvanized Steel Curb *(07 72 36 00-0001)*		
07 72 36 00-0016	EA	4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,757.36	148.74
07 72 36 00-0017	EA	4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,161.70	204.49
07 72 36 00-0018	EA	4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,557.22	223.11
07 72 36 00-0019	EA	4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,683.44	234.26
07 72 36 00-0020	EA	5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,576.27	204.49
07 72 36 00-0021	EA	5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,566.27	223.11
07 72 36 00-0022	EA	5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,883.54	241.73
07 72 36 00-0023	EA	5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,754.97	260.35
07 72 36 00-0024	EA	5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,675.79	278.86
07 72 36 00-0025	EA	5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,609.77	241.73
07 72 36 00-0026	EA	5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,753.07	297.48
07 72 36 00-0027	EA	6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,525.71	316.10
07 72 36 00-0028		Aluminum Covers And Curb *(07 72 36 00-0001)*		
07 72 36 00-0029	EA	4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,007.67	148.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 36 00-0030	EA	4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,576.27	204.49
07 72 36 00-0031	EA	4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,924.85	223.11
07 72 36 00-0032	EA	4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,152.77	234.26
07 72 36 00-0033	EA	5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,764.00	204.49
07 72 36 00-0034	EA	5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,761.82	223.11
07 72 36 00-0035	EA	5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,055.63	241.73
07 72 36 00-0036	EA	5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,224.30	260.35
07 72 36 00-0037	EA	5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,339.44	278.86
07 72 36 00-0038	EA	5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,828.79	241.73
07 72 36 00-0039	EA	5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,558.75	297.48
07 72 36 00-0040	EA	6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,995.03	316.10
07 72 36 00-0041		Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb *(07 72 36)*		
07 72 36 00-0042	EA	4'-0" x 4'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	2,976.38	148.30
07 72 36 00-0043	EA	4'-0" x 6'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,771.81	204.49
07 72 36 00-0044	EA	4'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	3,988.50	234.26
07 72 36 00-0045	EA	5'-0" x 5'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,280.27	204.49
07 72 36 00-0046	EA	5'-0" x 8'-0" Polycarbonate Translucent Cover With Aluminum Frame And Aluminum Curb, Smoke And Fire Vent	4,520.32	260.35

07 72 46 Roof Walkways *(07 72)*

07 72 46 00-0001		Recycled Rubber Walkway Pads *(07 72 46)*		
07 72 46 00-0002	SF	3/8" Thick, Button Surface, Recycled Rubber Walkway Pad	12.17	2.69
		For Diamond Surface, Add	*1.16*	
07 72 46 00-0003	SF	1/2" Thick, Button Surface, Recycled Rubber Walkway Pad	13.61	3.22
		For Diamond Surface, Add	*1.35*	
07 72 46 00-0004	SF	3/4" Thick, Button Surface, Recycled Rubber Walkway Pad	15.04	3.22
		For Diamond Surface, Add	*1.51*	

07 72 63 Waste Containment Assemblies *(07 72)*

07 72 63 00-0001		Rooftop Oil And Grease Containment System *(07 72 63)*		
07 72 63 00-0002		Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) *(07 72 63 00-0001)*		
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E)	3,136.75	221.03
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E)	3,515.53	221.03
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E)	4,327.98	229.87
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E)	4,306.33	229.87
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E)	5,644.39	248.66
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E)	4,383.24	248.66
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E)	4,878.62	294.62
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E)	7,210.58	368.34
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E)	8,985.92	368.34
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E)	11,421.61	368.34
07 72 63 00-0013		Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) *(07 72 63 00-0001)*		
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100)	3,878.17	221.03
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101)	4,370.74	221.03
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106)	5,415.93	229.87
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102)	5,513.38	229.87
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103)	7,901.47	248.66
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111)	8,675.48	248.66
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105)	8,039.61	294.62
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112)	9,040.05	368.34
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107)	11,351.24	368.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113)	14,517.63	368.34
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63)* Note: Includes removing old filters and installing new filters.		
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0025)*		
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E)	260.60	
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E)	368.86	
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E)	531.22	
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E)	488.15	
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E)	921.17	
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E)	931.98	
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E)	715.72	
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E)	932.23	
07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E)	1,370.65	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E)	1,809.08	
07 72 63 00-0037		Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0024)*		
07 72 63 00-0038		Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC)	547.80	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC)	731.84	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC)	1,067.43	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC)	991.87	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC)	1,917.43	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC)	1,928.25	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC)	1,425.10	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC)	1,928.48	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC)	2,832.39	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC)	3,774.19	
07 72 63 00-0049		Heavy-Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System *(07 72 63 00-0037)*		
07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C)	683.13	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C)	850.93	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C)	1,251.45	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C)	1,181.32	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C)	2,312.55	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C)	2,301.73	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C)	1,674.10	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C)	2,323.60	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C)	3,265.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy-Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C)	4,548.21	

07 73 Roof Protection Board *(07 70)*

07 73 00 00-0001 Roof Protection Board *(07 73)*

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	3.95	0.56
		For No Adhesive, Deduct	*-0.92*	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.46	0.61
		For No Adhesive, Deduct	*-0.95*	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®)	4.70	0.67
		For No Adhesive, Deduct	*-0.96*	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.01	0.56
		For No Adhesive, Deduct	*-0.92*	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.55	0.61
		For No Adhesive, Deduct	*-0.95*	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime)	4.79	0.67
		For No Adhesive, Deduct	*-0.96*	

07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	3.74	0.56
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.28	0.61
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®)	4.54	0.67
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	3.80	0.56
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.37	0.61
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime)	4.63	0.67

07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®) *(07 73 00 00-0001)*

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	3.75	0.56
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.26	0.61
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.78*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®)	4.50	0.67
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	3.81	0.56
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.70*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.70*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.35	0.61
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.78*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.78*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime)	4.59	0.67
		For Mechanically Fastened To Concrete, Add	*1.48*	
		For Mechanically Fastened To Gypsum, Add	*1.99*	
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	*0.73*	
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	*2.84*	
		For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	*2.50*	
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	*1.10*	
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	*3.84*	
		For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	*3.74*	

07 76 Roof Pavers *(07 70)*

07 76 16 Roof Decking Pavers *(07 76)*

07 76 16 00-0001 Roof Pavers *(07 76 16)*

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver	11.46	6.99
		For 1-1/2" Thickness, Deduct	*-1.15*	
		For 2-1/2" Thickness, Add	*1.26*	
		For 3" Thickness, Add	*2.53*	
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	10.27	5.27
		For 1-1/2" Thickness, Deduct	*-1.03*	
		For 2-1/2" Thickness, Add	*1.14*	
		For 3" Thickness, Add	*2.28*	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	9.61	4.19
		For 1-1/2" Thickness, Deduct	*-0.96*	
		For 2-1/2" Thickness, Add	*1.07*	
		For 3" Thickness, Add	*2.13*	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	9.22	3.66
		For 1-1/2" Thickness, Deduct	*-0.92*	
		For 2-1/2" Thickness, Add	*1.02*	
		For 3" Thickness, Add	*2.04*	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	8.71	3.33
		For 1-1/2" Thickness, Deduct	*-0.87*	
		For 2-1/2" Thickness, Add	*0.96*	
		For 3" Thickness, Add	*1.93*	

07 76 16 00-0007 Roof Paver Pedestal *(07 76 16)*

07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	25.84	1.10
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	26.95	1.10
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	28.05	1.10
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	14.50	1.10
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	12.47	1.10
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal) Note: Stackable.	12.79	1.10
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal Note: Used with High Tab and Elevator pedestals.	7.24	1.10
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator) Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.	9.37	1.10

07 76 19 Composite Insulation Concrete Protection Board *(07 76)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0001 Composite Insulation Concrete Protection Board *(07 76 19)*

Note: Manufactured by T. Clear Corp. 25 year warranty.

07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	6.03	
		For 20 Year Warranty, Deduct	*-0.37*	
		For 15 Year Warranty, Deduct	*-0.75*	
		For 10 Year Warranty, Deduct	*-1.02*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	7.91	
		For 20 Year Warranty, Deduct	*-0.53*	
		For 15 Year Warranty, Deduct	*-1.07*	
		For 10 Year Warranty, Deduct	*-1.44*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	9.30	
		For 20 Year Warranty, Deduct	*-0.62*	
		For 15 Year Warranty, Deduct	*-1.24*	
		For 10 Year Warranty, Deduct	*-1.68*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	11.27	
		For 20 Year Warranty, Deduct	*-0.77*	
		For 15 Year Warranty, Deduct	*-1.56*	
		For 10 Year Warranty, Deduct	*-2.10*	
		For Winds >90 MPH To 120 MPH Warranty, Add	*0.10*	

07 80 Fire and Smoke Protection *(07)*

07 81 Applied Fireproofing *(07 80)*

Note: Includes bonding agents as required.

07 81 16 Cementitious Fireproofing *(07 81)*

07 81 16 00-0001 Monokote Fireproofing *(07 81 16)*

07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	2.30	0.83
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	3.24	1.24

07 81 16 00-0004 Gunite Fireproofing *(07 81 16)*

07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	3.73	0.85
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	5.29	0.85

07 81 23 Intumescent Fireproofing *(07 81)*

07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) *(07 81 23)*

07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	17.71	
		For >10,000, Deduct	*-1.71*	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	28.65	
		For >10,000, Deduct	*-2.80*	

07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0006	SF	1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	11.35	
		For >10,000, Deduct	*-1.07*	
07 81 23 00-0007	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	25.60	
		For >10,000, Deduct	*-2.50*	
07 81 23 00-0008	SF	2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	58.46	
		For >10,000, Deduct	*-5.78*	
07 81 23 00-0009	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	80.61	
		For >10,000, Deduct	*-7.99*	
07 81 23 00-0010	SF	3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	102.78	
		For >10,000, Deduct	*-10.20*	
07 81 23 00-0011	SF	3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)	124.98	
		For >10,000, Deduct	*-12.42*	

07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) *(07 81 23 00-0001)*

Note: Excludes primer.

07 81 23 00-0013	SF	1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	23.31	
		For >10,000, Deduct	*-2.27*	
07 81 23 00-0014	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	43.65	
		For >10,000, Deduct	*-4.30*	
07 81 23 00-0015	SF	2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	69.51	
		For >10,000, Deduct	*-6.88*	
07 81 23 00-0016	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	97.20	
		For >10,000, Deduct	*-9.65*	
07 81 23 00-0017	SF	3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)	123.06	
		For >10,000, Deduct	*-12.23*	

07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP) *(07 81 23)*

07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) *(07 81 23 00-0018)*

Note: Excludes primer.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 81 23 00-0020	SF	1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	11.23	
		For >10,000, Deduct	*-1.08*	
07 81 23 00-0021	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	25.89	
		For >10,000, Deduct	*-2.54*	
07 81 23 00-0022	SF	2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	59.69	
		For >10,000, Deduct	*-5.92*	
07 81 23 00-0023	SF	2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	82.47	
		For >10,000, Deduct	*-8.19*	
07 81 23 00-0024	SF	3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)	105.27	
		For >10,000, Deduct	*-10.47*	

07 81 33 Mineral-Fiber Fireproofing *(07 81)*

07 81 33 00-0001 Cellulose Fireproofing *(07 81 33)*

07 81 33 00-0002	SF	Cellulose Fireproofing, Per Inch Of Thickness	2.87	0.85

07 84 Firestopping *(07 80)*

07 84 13 Penetration Firestopping *(07 84)*

07 84 13 16 Penetration Firestopping Devices *(07 84 13)*

07 84 13 16-0001 Firestopping Systems For Cable Penetrations *(07 84 13 16)*

07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations *(07 84 13 16-0001)*

Note: Includes putty, escutcheon plates, gaskets and bushings.

07 84 13 16-0003	EA	1" Diameter Intumescent Firestop Sleeve (STI FS100)	69.68	
07 84 13 16-0004	EA	2" Diameter Intumescent Firestop Sleeve (STI FS201)	92.26	
07 84 13 16-0005	EA	4" Diameter Intumescent Firestop Sleeve (STI FS401)	147.19	

07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations *(07 84 13 16-0001)*

Note: Includes pathway, putty and wall/floor mounting plates.

07 84 13 16-0007	EA	1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22)	123.52	
07 84 13 16-0008	EA	3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS)	214.14	
07 84 13 16-0009	EA	4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44)	389.01	

07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device *(07 84 13 16)*

07 84 13 16-0011	EA	2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	278.57	
07 84 13 16-0012	EA	4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD)	258.62	
07 84 13 16-0013	EA	4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD)	266.19	

07 84 13 16-0014 Intumescent Firestopping Pipe Collar *(07 84 13 16)*

07 84 13 16-0015	EA	1-1/2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5)	41.93	12.29
07 84 13 16-0016	EA	2" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0)	50.29	12.29
07 84 13 16-0017	EA	3" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0)	58.42	13.52
07 84 13 16-0018	EA	4" Diameter, Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0)	90.82	15.36
07 84 13 16-0019	EA	8" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 8")	440.11	18.44
07 84 13 16-0020	EA	10" Diameter, Intumescent Firestop Pipe Collar (Hilti CP644 10")	568.22	20.28

07 84 13 16-0021 Fire Rated Enclosures (Fire Rated Product Specialties Corp.) *(07 84 13 16)*

Note: Includes fasteners. Excludes additional perimeter caulk where required. See CSI section 07 84 43 00-0001 for perimeter sealant caulk where required.

07 84 13 16-0022	EA	12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	185.95	
07 84 13 16-0023	EA	15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9) Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.	196.82	
07 84 13 16-0024	EA	11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH) Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.	383.32	
07 84 13 16-0025	EA	14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3) Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.	244.66	

07 84 13 16-0026 Intumescent Firestopping Wrap Strips *(07 84 13 16)*

07 84 13 16-0027	LF	1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series)	6.53	

07 84 13 19 Penetration Firestopping Caulk *(07 84 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0001		Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) *(07 84 13 19)* Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA	1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	26.86	
		For Intumescent Sealant For Plastic Pipe, Add	*0.07*	
07 84 13 19-0003	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.97	
		For Intumescent Sealant For Plastic Pipe, Add	*0.38*	
07 84 13 19-0004	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.73	
		For Intumescent Sealant For Plastic Pipe, Add	*0.28*	
07 84 13 19-0005	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	32.33	
		For Intumescent Sealant For Plastic Pipe, Add	*0.12*	
07 84 13 19-0006	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	38.06	
		For Intumescent Sealant For Plastic Pipe, Add	*0.81*	
07 84 13 19-0007	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.81	
		For Intumescent Sealant For Plastic Pipe, Add	*0.71*	
07 84 13 19-0008	EA	2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	37.42	
		For Intumescent Sealant For Plastic Pipe, Add	*0.56*	
07 84 13 19-0009	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	36.80	
		For Intumescent Sealant For Plastic Pipe, Add	*0.31*	
07 84 13 19-0010	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	36.27	
		For Intumescent Sealant For Plastic Pipe, Add	*0.10*	
07 84 13 19-0011	EA	2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	46.09	
		For Intumescent Sealant For Plastic Pipe, Add	*1.36*	
07 84 13 19-0012	EA	2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	45.86	
		For Intumescent Sealant For Plastic Pipe, Add	*1.27*	
07 84 13 19-0013	EA	2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	45.45	
		For Intumescent Sealant For Plastic Pipe, Add	*1.10*	
07 84 13 19-0014	EA	2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	44.83	
		For Intumescent Sealant For Plastic Pipe, Add	*0.86*	
07 84 13 19-0015	EA	2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	44.31	
		For Intumescent Sealant For Plastic Pipe, Add	*0.65*	
07 84 13 19-0016	EA	2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	43.07	
		For Intumescent Sealant For Plastic Pipe, Add	*0.15*	
07 84 13 19-0017	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	62.54	
		For Intumescent Sealant For Plastic Pipe, Add	*3.67*	
07 84 13 19-0018	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	58.23	
		For Intumescent Sealant For Plastic Pipe, Add	*1.94*	
07 84 13 19-0019	EA	3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.83	
		For Intumescent Sealant For Plastic Pipe, Add	*1.78*	
07 84 13 19-0020	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	57.20	
		For Intumescent Sealant For Plastic Pipe, Add	*1.53*	
07 84 13 19-0021	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	56.68	
		For Intumescent Sealant For Plastic Pipe, Add	*1.32*	
07 84 13 19-0022	EA	3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	55.44	
		For Intumescent Sealant For Plastic Pipe, Add	*0.83*	
07 84 13 19-0023	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	53.82	
		For Intumescent Sealant For Plastic Pipe, Add	*0.18*	
07 84 13 19-0024	EA	4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	83.62	
		For Intumescent Sealant For Plastic Pipe, Add	*6.77*	
07 84 13 19-0025	EA	4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	83.18	
		For Intumescent Sealant For Plastic Pipe, Add	*6.59*	
07 84 13 19-0026	EA	4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	82.47	
		For Intumescent Sealant For Plastic Pipe, Add	*6.31*	
07 84 13 19-0027	EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	81.35	
		For Intumescent Sealant For Plastic Pipe, Add	*5.86*	
07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	80.41	
		For Intumescent Sealant For Plastic Pipe, Add	*5.48*	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	73.06	
		For Intumescent Sealant For Plastic Pipe, Add	*2.54*	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	71.46	
		For Intumescent Sealant For Plastic Pipe, Add	*1.90*	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	69.00	
		For Intumescent Sealant For Plastic Pipe, Add	*0.92*	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	132.43	
		For Intumescent Sealant For Plastic Pipe, Add	*15.62*	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	131.99	
		For Intumescent Sealant For Plastic Pipe, Add	*15.44*	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	131.28	
		For Intumescent Sealant For Plastic Pipe, Add	*15.16*	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	130.17	
		For Intumescent Sealant For Plastic Pipe, Add	*14.71*	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	129.22	
		For Intumescent Sealant For Plastic Pipe, Add	*14.33*	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	126.98	
		For Intumescent Sealant For Plastic Pipe, Add	*13.44*	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	124.07	
		For Intumescent Sealant For Plastic Pipe, Add	*12.27*	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	119.67	
		For Intumescent Sealant For Plastic Pipe, Add	*10.51*	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	103.07	
		For Intumescent Sealant For Plastic Pipe, Add	*3.87*	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	175.04	
		For Intumescent Sealant For Plastic Pipe, Add	*24.66*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0042		EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	170.63	
			For Intumescent Sealant For Plastic Pipe, Add	*22.90*	
07 84 13 19-0043		EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	161.79	
			For Intumescent Sealant For Plastic Pipe, Add	*19.36*	
07 84 13 19-0044		EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	125.71	
			For Intumescent Sealant For Plastic Pipe, Add	*4.93*	
07 84 13 19-0045		EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	221.64	
			For Intumescent Sealant For Plastic Pipe, Add	*35.29*	
07 84 13 19-0046		EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	195.40	
			For Intumescent Sealant For Plastic Pipe, Add	*24.80*	
07 84 13 19-0047		EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+)	149.10	
			For Intumescent Sealant For Plastic Pipe, Add	*6.28*	

07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations *(07 84 13 19)*

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049		EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.34
07 84 13 19-0050		EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.25
07 84 13 19-0051		EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	32.13
07 84 13 19-0052		EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.71
07 84 13 19-0053		EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.61
07 84 13 19-0054		EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.49
07 84 13 19-0055		EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.30
07 84 13 19-0056		EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	36.12
07 84 13 19-0057		EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.86
07 84 13 19-0058		EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.78
07 84 13 19-0059		EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.64
07 84 13 19-0060		EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.45
07 84 13 19-0061		EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	43.28
07 84 13 19-0062		EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	42.85
07 84 13 19-0063		EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.10
07 84 13 19-0064		EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	55.02
07 84 13 19-0065		EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	54.89
07 84 13 19-0066		EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	54.70
07 84 13 19-0067		EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	54.53
07 84 13 19-0068		EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	54.10
07 84 13 19-0069		EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	53.50
07 84 13 19-0070		EA	4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.93
07 84 13 19-0071		EA	4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.84
07 84 13 19-0072		EA	4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.71
07 84 13 19-0073		EA	4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.50
07 84 13 19-0074		EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	69.30
07 84 13 19-0075		EA	4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	68.87
07 84 13 19-0076		EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	68.33
07 84 13 19-0077		EA	4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	67.48
07 84 13 19-0078		EA	6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	100.83
07 84 13 19-0079		EA	6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	100.74
07 84 13 19-0080		EA	6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	100.61
07 84 13 19-0081		EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	100.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 19-0082	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	100.25	
07 84 13 19-0083	EA	6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	99.82	
07 84 13 19-0084	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	99.23	
07 84 13 19-0085	EA	6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	98.43	
07 84 13 19-0086	EA	6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	96.68	
07 84 13 19-0087	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	125.15	
07 84 13 19-0088	EA	8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	124.34	
07 84 13 19-0089	EA	8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	122.59	
07 84 13 19-0090	EA	8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	117.65	
07 84 13 19-0091	EA	10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	150.24	
07 84 13 19-0092	EA	10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	145.29	
07 84 13 19-0093	EA	10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound)	138.75	

07 84 16 Annular Space Firestopping Protection *(07 84)*

07 84 16 00-0001 Intumescent Firestopping For Electrical Outlet Boxes *(07 84 16)*

07 84 16 00-0002 Intumescent Putty Pads For Wrapping Outlet Box Exteriors *(07 84 16 00-0001)*

07 84 16 00-0003	EA	1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	39.95	
07 84 16 00-0004	EA	2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	55.88	
07 84 16 00-0005	EA	3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	58.55	
07 84 16 00-0006	EA	4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	61.22	
07 84 16 00-0007	EA	5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	63.88	
07 84 16 00-0008	EA	6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)	79.83	

07 84 16 00-0009 Intumescent Firestop Gasket For Wall Plates *(07 84 16 00-0001)*

07 84 16 00-0010	EA	Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)	16.54	
07 84 16 00-0011	EA	Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274)	17.10	
07 84 16 00-0012	EA	Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272)	16.07	
07 84 16 00-0013	EA	Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)	17.14	
07 84 16 00-0014	EA	Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)	16.72	
07 84 16 00-0015	EA	Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265)	16.14	

07 84 16 00-0016 Intumescent Fire Barrier Pillows For Sealing Large Openings *(07 84 16)*

07 84 16 00-0017	EA	2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249)	38.19	
07 84 16 00-0018	EA	2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269)	40.92	
07 84 16 00-0019	EA	3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369)	44.27	

07 84 16 00-0020 Intumescent Fire Barrier Sheets For Sealing Large Openings *(07 84 16)*

Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.

07 84 16 00-0021	EA	16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28)	356.30	
07 84 16 00-0022	EA	36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2)	495.82	
07 84 16 00-0023	EA	36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3)	665.52	

07 84 16 00-0024 Endothermic Mat Wrap Fire Barrier *(07 84 16)*

Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0026 for filling openings.

07 84 16 00-0025	SF	0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4)	55.05	

07 84 16 00-0026 Firestopping Caulk For Filling Opening *(07 84 16)*

07 84 16 00-0027	GAL	Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+)	150.27	

07 84 16 00-0028 Firestopping Mortar For Filling Opening *(07 84 16)*

07 84 16 00-0029	CF	Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series)	175.85	

07 84 23 Silicone Firestopping Foams *(07 84)*

07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings *(07 84 23)*

Note: Includes 7" depth of silicone foam barrier and 1" depth backer board

07 84 23 00-0002	EA	2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	48.76	
07 84 23 00-0003	EA	4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	103.68	
07 84 23 00-0004	EA	6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	182.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 23 00-0005	EA	8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	268.14	
07 84 23 00-0006	EA	10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	377.53	
07 84 23 00-0007	EA	12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	507.32	
07 84 23 00-0008	EA	16" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	1,011.97	
07 84 23 00-0009	EA	20" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	1,501.34	
07 84 23 00-0010	EA	24" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam	2,096.07	

07 84 43 Joint Firestopping *(07 84)*

07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) *(07 84 43)*

07 84 43 00-0002	CLF	1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	454.14	120.07
		For Up To 6 CLF, Add	*25.06*	
		For >30 CLF, Deduct	*-27.40*	
07 84 43 00-0003	CLF	1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	501.13	120.07
		For Up To 4 CLF, Add	*28.58*	
		For >20 CLF, Deduct	*-32.10*	
07 84 43 00-0004	CLF	1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	561.44	124.07
		For Up To 3 CLF, Add	*32.77*	
		For >15 CLF, Deduct	*-37.47*	
07 84 43 00-0005	CLF	3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	584.93	124.07
		For Up To 2.5 CLF, Add	*34.53*	
		For >13 CLF, Deduct	*-39.82*	
07 84 43 00-0006	CLF	3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	655.39	124.07
		For Up To 2 CLF, Add	*39.82*	
		For >10 CLF, Deduct	*-46.86*	
07 84 43 00-0007	CLF	3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	725.85	124.07
		For Up To 1.5 CLF, Add	*45.10*	
		For >8 CLF, Deduct	*-53.91*	
07 84 43 00-0008	CLF	3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	809.65	129.41
		For Up To 1.3 CLF, Add	*51.05*	
		For >7 CLF, Deduct	*-61.62*	
07 84 43 00-0009	CLF	1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	762.67	129.41
		For Up To 1.4 CLF, Add	*47.53*	
		For >7.5 CLF, Deduct	*-56.92*	
07 84 43 00-0010	CLF	1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	869.97	133.41
		For Up To 1.15 CLF, Add	*55.24*	
		For >6 CLF, Deduct	*-66.99*	
07 84 43 00-0011	CLF	1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	963.91	133.41
		For Up To 1 CLF, Add	*62.29*	
		For >5 CLF, Deduct	*-76.38*	
07 84 43 00-0012	CLF	1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,071.19	137.41
		For Up To 0.8 CLF, Add	*70.00*	
		For >4.5 CLF, Deduct	*-86.44*	
07 84 43 00-0013	CLF	1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,178.48	142.75
		For Up To 0.75 CLF, Add	*77.71*	
		For >4 CLF, Deduct	*-96.50*	
07 84 43 00-0014	CLF	3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,285.76	146.75
		For Up To 0.65 CLF, Add	*85.43*	
		For >3.5 CLF, Deduct	*-106.56*	
07 84 43 00-0015	CLF	3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	1,607.63	160.10
		For Up To 0.5 CLF, Add	*108.57*	
		For >2.5 CLF, Deduct	*-136.75*	
		For Silicone Sealant (Bio Fireshield BFS 100 or 200), add	*169.10*	
07 84 43 00-0016	CLF	1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+)	2,036.77	177.44
		For Up To 0.4 CLF, Add	*139.42*	
		For >2 CLF, Deduct	*-177.00*	

07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) *(07 84 43)*

07 84 43 00-0018	CLF	1/4" x 1/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	467.22	120.07
		For Up To 6 CLF, Add	*26.04*	
		For >30 CLF, Deduct	*-28.71*	
07 84 43 00-0019	CLF	1/4" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	520.72	120.07
		For Up To 4 CLF, Add	*30.05*	
		For >20 CLF, Deduct	*-34.06*	
07 84 43 00-0020	CLF	1/4" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	587.57	124.07
		For Up To 3 CLF, Add	*34.73*	
		For >15 CLF, Deduct	*-40.08*	
07 84 43 00-0021	CLF	3/8" x 3/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	614.32	124.07
		For Up To 2.5 CLF, Add	*36.74*	
		For >13 CLF, Deduct	*-42.75*	
07 84 43 00-0022	CLF	3/8" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	694.57	124.07
		For Up To 2 CLF, Add	*42.75*	
		For >10 CLF, Deduct	*-50.78*	
07 84 43 00-0023	CLF	3/8" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	774.83	124.07
		For Up To 1.5 CLF, Add	*48.77*	
		For >8 CLF, Deduct	*-58.81*	
07 84 43 00-0024	CLF	3/8" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	868.42	129.41
		For Up To 1.3 CLF, Add	*55.46*	
		For >7 CLF, Deduct	*-67.50*	
07 84 43 00-0025	CLF	1/2" x 1/2" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	814.92	129.41
		For Up To 1.4 CLF, Add	*51.45*	
		For >7.5 CLF, Deduct	*-62.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 43 00-0026	CLF	1/2" x 5/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	935.28	133.41
		For Up To 1.15 CLF, Add	*60.14*	
		For >6 CLF, Deduct	*-73.52*	
07 84 43 00-0027	CLF	1/2" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,042.28	133.41
		For Up To 1 CLF, Add	*68.17*	
		For >5 CLF, Deduct	*-84.22*	
07 84 43 00-0028	CLF	1/2" x 7/8" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,162.62	137.41
		For Up To 0.8 CLF, Add	*76.86*	
		For >4.5 CLF, Deduct	*-95.58*	
07 84 43 00-0029	CLF	1/2" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,282.97	142.75
		For Up To 0.75 CLF, Add	*85.55*	
		For >4 CLF, Deduct	*-106.95*	
07 84 43 00-0030	CLF	3/4" x 3/4" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,403.32	146.75
		For Up To 0.65 CLF, Add	*94.24*	
		For >3.5 CLF, Deduct	*-118.32*	
07 84 43 00-0031	CLF	3/4" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	1,764.37	160.10
		For Up To 0.5 CLF, Add	*120.32*	
		For >2.5 CLF, Deduct	*-152.42*	
07 84 43 00-0032	CLF	1" x 1" Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series)	2,245.76	177.44
		For Up To 0.4 CLF, Add	*155.09*	
		For >2 CLF, Deduct	*-197.89*	

07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) *(07 84 43)*

07 84 43 00-0034	CLF	1/4" x 1/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	415.56	120.07
		For Up To 6 CLF, Add	*22.16*	
		For >30 CLF, Deduct	*-23.55*	
07 84 43 00-0035	CLF	1/4" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	443.23	120.07
		For Up To 4 CLF, Add	*24.24*	
		For >20 CLF, Deduct	*-26.31*	
07 84 43 00-0036	CLF	1/4" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	484.25	124.07
		For Up To 3 CLF, Add	*26.98*	
		For >15 CLF, Deduct	*-29.75*	
07 84 43 00-0037	CLF	3/8" x 3/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	498.08	124.07
		For Up To 2.5 CLF, Add	*28.02*	
		For >13 CLF, Deduct	*-31.13*	
07 84 43 00-0038	CLF	3/8" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	539.60	124.07
		For Up To 2 CLF, Add	*31.13*	
		For >10 CLF, Deduct	*-35.28*	
07 84 43 00-0039	CLF	3/8" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	581.11	124.07
		For Up To 1.5 CLF, Add	*34.24*	
		For >8 CLF, Deduct	*-39.43*	
07 84 43 00-0040	CLF	3/8" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	635.96	129.41
		For Up To 1.3 CLF, Add	*38.02*	
		For >7 CLF, Deduct	*-44.25*	
07 84 43 00-0041	CLF	1/2" x 1/2" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	608.28	129.41
		For Up To 1.4 CLF, Add	*35.95*	
		For >7.5 CLF, Deduct	*-41.48*	
07 84 43 00-0042	CLF	1/2" x 5/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	676.98	133.41
		For Up To 1.15 CLF, Add	*40.77*	
		For >6 CLF, Deduct	*-47.69*	
07 84 43 00-0043	CLF	1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	732.33	133.41
		For Up To 1 CLF, Add	*44.92*	
		For >5 CLF, Deduct	*-53.22*	
07 84 43 00-0044	CLF	1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	801.01	137.41
		For Up To 0.8 CLF, Add	*49.74*	
		For >4.5 CLF, Deduct	*-59.42*	
07 84 43 00-0045	CLF	1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	869.70	142.75
		For Up To 0.75 CLF, Add	*54.55*	
		For >4 CLF, Deduct	*-65.62*	
07 84 43 00-0046	CLF	3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	938.39	146.75
		For Up To 0.65 CLF, Add	*59.37*	
		For >3.5 CLF, Deduct	*-71.83*	
07 84 43 00-0047	CLF	3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,144.46	160.10
		For Up To 0.5 CLF, Add	*73.83*	
		For >2.5 CLF, Deduct	*-90.43*	
07 84 43 00-0048	CLF	1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series)	1,419.22	177.44
		For Up To 0.4 CLF, Add	*93.10*	
		For >2 CLF, Deduct	*-115.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

07 84 56 Fire Safing *(07 84)*

07 84 56 13 Fibrous Fire Safing *(07 84 56)*

07 84 56 13-0001 Thermal Barrier Wrap *(07 84 56 13)*

Note: Includes cutting wrap to fit pipe or conduit and sealing edges.

07 84 56 13-0002	SF	1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A)	11.18	
		For Work In Restricted Working Space, Add	*1.58*	
07 84 56 13-0003	SF	1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A)	17.58	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.58*	
07 84 56 13-0004	SF	2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A)	19.11	
		Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
		For Work In Restricted Working Space, Add	*1.58*	

07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing *(07 84 56 13)*

07 84 56 13-0006	SF	1/2" Thermal Ceramics FireMaster Blanket Wrap	22.40	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-1.86*	
		For >5,000, Deduct	*-3.35*	
07 84 56 13-0007	SF	1" Thermal Ceramics FireMaster Blanket Wrap	25.82	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-2.65*	
		For >5,000, Deduct	*-4.62*	
07 84 56 13-0008	SF	1-1/2" Thermal Ceramics FireMaster Blanket Wrap	29.56	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-3.51*	
		For >5,000, Deduct	*-6.00*	
07 84 56 13-0009	SF	2" Thermal Ceramics FireMaster Blanket Wrap	33.31	13.65
		For Work In Restricted Working Space, Add	*5.48*	
		For >500 To 5,000, Deduct	*-4.37*	
		For >5,000, Deduct	*-7.39*	

07 90 Joint Protection *(07)*

07 91 Preformed Joint Seals *(07 90)*

07 91 23 Backer Rods *(07 91)*

07 91 23 00-0001 Backer Rods *(07 91 23)*

07 91 23 00-0002	LF	1/4" Polyethylene Or Polyurethane Backer Rod	1.83	0.55
07 91 23 00-0003	LF	3/8" Polyethylene Or Polyurethane Backer Rod	1.95	0.55
07 91 23 00-0004	LF	1/2" Polyethylene Or Polyurethane Backer Rod	2.12	0.55
07 91 23 00-0005	LF	5/8" Polyethylene Or Polyurethane Backer Rod	2.31	0.55
07 91 23 00-0006	LF	3/4" Polyethylene Or Polyurethane Backer Rod	2.40	0.66
07 91 23 00-0007	LF	7/8" Polyethylene Or Polyurethane Backer Rod	2.57	0.66
07 91 23 00-0008	LF	1" Polyethylene Or Polyurethane Backer Rod	2.96	0.66
07 91 23 00-0009	LF	1-1/4" Polyethylene Or Polyurethane Backer Rod	3.34	0.77
07 91 23 00-0010	LF	1-1/2" Polyethylene Or Polyurethane Backer Rod	3.81	0.88
07 91 23 00-0011	LF	2" Polyethylene Or Polyurethane Backer Rod	4.73	0.98
07 91 23 00-0012	LF	3" Polyethylene Or Polyurethane Backer Rod	8.15	1.21

07 91 26 Joint Fillers *(07 91)*

07 91 26 00-0001 Butyl Rubber Fillers *(07 91 26)*

07 91 26 00-0002	LF	1/4" x 1/4" Butyl Rubber Filler	2.61	0.66
		For Custom Match Coloring, Add	*0.06*	
07 91 26 00-0003	LF	1/2" x 1/2" Butyl Rubber Filler	7.95	1.87
		For Custom Match Coloring, Add	*0.22*	
07 91 26 00-0004	LF	1/2" x 3/4" Butyl Rubber Filler	9.76	1.98
		For Custom Match Coloring, Add	*0.35*	
07 91 26 00-0005	LF	3/4" x 3/4" Butyl Rubber Filler	10.78	2.09
07 91 26 00-0006	LF	1" x 1" Butyl Rubber Filler	14.84	3.85

07 91 26 00-0007 Closed Cell Neoprene *(07 91 26)*

07 91 26 00-0008	CLF	1/8" x 3" Neoprene Gasket Closed Cell, Adhesive	438.03	126.78
07 91 26 00-0009	CLF	1/8" x 6" Neoprene Gasket Closed Cell, Adhesive	703.28	183.14
07 91 26 00-0010	CLF	1/4" x 3" Neoprene Gasket Closed Cell, Adhesive	561.73	156.99
07 91 26 00-0011	CLF	1/4" x 6" Neoprene Gasket Closed Cell, Adhesive	647.41	164.79
07 91 26 00-0012	CLF	1/2" x 6" Neoprene Gasket Closed Cell, Adhesive	987.92	253.56
07 91 26 00-0013	CLF	1/2" x 9" Neoprene Gasket Closed Cell, Adhesive	1,130.65	274.65
07 91 26 00-0014	CLF	1/2" x 12" Neoprene Gasket Closed Cell, Adhesive	1,023.78	199.73

07 91 26 00-0015 Closed Cell Polyvinyl Chloride *(07 91 26)*

07 91 26 00-0016	CLF	1/8" x 3" Polyethylene Joint Backing, Closed Cell	458.83	156.99
07 91 26 00-0017	CLF	1/8" x 6" Polyethylene Joint Backing, Closed Cell	828.06	253.56
07 91 26 00-0018	CLF	1/4" x 3" Polyethylene Joint Backing, Closed Cell	614.87	216.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0019	CLF	1/4" x 6" Polyethylene Joint Backing, Closed Cell	779.12	228.51
07 91 26 00-0020	CLF	1/2" x 6" Polyethylene Joint Backing, Closed Cell	1,183.17	350.46
07 91 26 00-0021	CLF	1/2" x 9" Polyethylene Joint Backing, Closed Cell	1,419.48	380.33
07 91 26 00-0022	CLF	1/2" x 12" Polyethylene Joint Backing, Closed Cell	1,935.21	455.92
07 91 26 00-0023		Silicon RTV Foam Penetration Seal *(07 91 26)*		
07 91 26 00-0024	CLF	1/4" x 1/2" Silicon RTV Foam Seal	148.34	25.16
07 91 26 00-0025	CLF	1/2" x 1/2" Silicon RTV Foam Seal	296.68	50.20
07 91 26 00-0026	CLF	1/2" x 3/4" Silicon RTV Foam Seal	442.18	74.60
07 91 26 00-0027	CLF	3/4" x 3/4" Silicon RTV Foam Seal	625.71	100.53
07 91 26 00-0028	CLF	1/8" x 1" Silicon RTV Foam Seal	148.34	25.16
07 91 26 00-0029	CLF	1/8" x 3" Silicon RTV Foam Seal	441.74	74.38
07 91 26 00-0030	CLF	1/4" x 3" Silicon RTV Foam Seal	759.84	111.72
07 91 26 00-0031	CLF	1/4" x 6" Silicon RTV Foam Seal	1,517.70	222.68
07 91 26 00-0032	CLF	1/2" x 6" Silicon RTV Foam Seal	2,884.07	401.98
07 91 26 00-0033	CLF	1/2" x 9" Silicon RTV Foam Seal	4,406.90	627.96
07 91 26 00-0034	CLF	1/2" x 12" Silicon RTV Foam Seal	6,450.97	1,004.78
07 91 26 00-0035		Seals O-Ring Type Cord "J-Seal" *(07 91 26)*		
07 91 26 00-0036	LF	1/4" Seals O-Ring Cord, J-Seal	4.72	1.43
07 91 26 00-0037	LF	1/2" Seals O-Ring Cord, J-Seal	5.00	1.43
07 91 26 00-0038	LF	3/4" Seals O-Ring Cord, J-Seal	5.25	1.55
07 91 26 00-0039	LF	1" Seals O-Ring Cord, J-Seal	5.55	1.66
07 91 26 00-0040	LF	1-1/4" Seals O-Ring Cord, J-Seal	5.94	1.77
07 91 26 00-0041	LF	1-1/2" Seals O-Ring Cord, J-Seal	6.22	1.77
07 91 26 00-0042	LF	1-3/4" Seals O-Ring Cord, J-Seal	6.57	1.88
07 91 26 00-0043	LF	2" Seals O-Ring Cord, J-Seal	6.79	1.88

07 91 33 Expansion Joint Seal Systems *(07 91)*

07 91 33 00-0001		Expansion Joint Seal Systems (Wabo®) *(07 91 33)*		
07 91 33 00-0002		Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) *(07 91 33 00-0001)* Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.		
07 91 33 00-0003	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH)	99.34	8.46
07 91 33 00-0004	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH)	132.94	8.86
07 91 33 00-0005	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH)	168.39	9.26
07 91 33 00-0006	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH)	207.81	9.67
07 91 33 00-0007	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH)	269.66	10.08
07 91 33 00-0008	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH)	309.76	10.47
07 91 33 00-0009	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH)	359.51	10.88
07 91 33 00-0010		Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)* Note: Includes preformed neoprene joint seal and lubricant adhesive.		
07 91 33 00-0011	LF	0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162)	50.69	8.46
07 91 33 00-0012	LF	0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175)	55.34	8.58
07 91 33 00-0013	LF	0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200)	66.95	8.70
07 91 33 00-0014	LF	0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225)	71.07	8.86
07 91 33 00-0015	LF	1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250)	75.95	8.98
07 91 33 00-0016	LF	1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300)	93.17	9.10
07 91 33 00-0017	LF	1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350)	114.99	9.26
07 91 33 00-0018	LF	1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400)	136.04	9.67
07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500)	154.05	10.08
07 91 33 00-0020		Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) *(07 91 33 00-0001)* Note: Includes preformed Santoprene® joint seal and lubricant adhesive.		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 33 00-0021		LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100)	42.40	8.46
07 91 33 00-0022		LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225)	55.16	8.86
07 91 33 00-0023		LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250)	67.72	9.26
07 91 33 00-0024		LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300)	71.51	9.47
07 91 33 00-0025		LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400)	79.35	9.67
07 91 33 00-0026		LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500)	113.95	10.08
07 91 33 00-0027		LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600)	156.74	10.47

07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029		LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100)	36.73	3.36
07 91 33 00-0030		LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150)	61.65	3.49
07 91 33 00-0031		LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200)	92.84	3.63
07 91 33 00-0032		LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250)	117.09	3.76
07 91 33 00-0033		LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300)	154.09	3.89
07 91 33 00-0034		LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350)	203.89	4.02
07 91 33 00-0035		LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400)	250.08	4.17
07 91 33 00-0036		LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500)	337.30	4.30
07 91 33 00-0037		LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600)	393.79	4.43

07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) *(07 91 33 00-0001)*

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039		LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100)	35.84	3.36
07 91 33 00-0040		LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150)	47.31	3.49
07 91 33 00-0041		LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200)	63.49	3.63
07 91 33 00-0042		LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250)	86.16	3.76
07 91 33 00-0043		LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300)	98.30	3.89
07 91 33 00-0044		LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350)	136.45	4.02
07 91 33 00-0045		LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400)	183.31	4.17
07 91 33 00-0046		LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500)	197.93	4.30

07 92 Joint Sealants *(07 90)*

07 92 13 Elastomeric Joint Sealants *(07 92)*

07 92 13 00-0001 Silicone Sealant And Caulking *(07 92 13)*

07 92 13 00-0002		CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking	415.49	120.07
			For Custom Match Coloring, Add	*13.27*	
			For Up To 6 CLF, Add	*22.16*	
			For >30 CLF, Deduct	*-23.54*	
			For 1 Part Mildew Resistant, Add	*19.35*	
			For High-Modulus Non-Acid Curing, Add	*11.06*	
07 92 13 00-0003		CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking	443.14	120.07
			For Custom Match Coloring, Add	*19.90*	
			For Up To 4 CLF, Add	*24.23*	
			For >20 CLF, Deduct	*-26.30*	
			For 1 Part Mildew Resistant, Add	*29.03*	
			For High-Modulus Non-Acid Curing, Add	*16.59*	
07 92 13 00-0004		CLF	1/4" x 1/2" Joint, Silicone Sealant And Caulking	484.12	124.07
			For Custom Match Coloring, Add	*26.54*	
			For Up To 3 CLF, Add	*26.97*	
			For >15 CLF, Deduct	*-29.73*	
			For 1 Part Mildew Resistant, Add	*38.70*	
			For High-Modulus Non-Acid Curing, Add	*22.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0005	CLF	3/8" x 3/8" Joint, Silicone Sealant And Caulking	497.94	124.07
		For Custom Match Coloring, Add	*29.85*	
		For Up To 2.5 CLF, Add	*28.01*	
		For >13 CLF, Deduct	*-31.12*	
		For 1 Part Mildew Resistant, Add	*43.54*	
		For High-Modulus Non-Acid Curing, Add	*24.88*	
07 92 13 00-0006	CLF	3/8" x 1/2" Joint, Silicone Sealant And Caulking	539.40	124.07
		For Custom Match Coloring, Add	*39.80*	
		For Up To 2 CLF, Add	*31.12*	
		For >10 CLF, Deduct	*-35.26*	
		For 1 Part Mildew Resistant, Add	*58.05*	
		For High-Modulus Non-Acid Curing, Add	*33.17*	
07 92 13 00-0007	CLF	3/8" x 5/8" Joint, Silicone Sealant And Caulking	580.87	124.07
		For Custom Match Coloring, Add	*49.76*	
		For Up To 1.5 CLF, Add	*34.23*	
		For >8 CLF, Deduct	*-39.41*	
		For 1 Part Mildew Resistant, Add	*72.56*	
		For High-Modulus Non-Acid Curing, Add	*41.46*	
07 92 13 00-0008	CLF	3/8" x 3/4" Joint, Silicone Sealant And Caulking	635.67	129.41
		For Custom Match Coloring, Add	*59.71*	
		For Up To 1.3 CLF, Add	*38.00*	
		For >7 CLF, Deduct	*-44.22*	
		For 1 Part Mildew Resistant, Add	*87.07*	
		For High-Modulus Non-Acid Curing, Add	*49.76*	
07 92 13 00-0009	CLF	1/2" x 1/2" Joint, Silicone Sealant And Caulking	608.03	129.41
		For Custom Match Coloring, Add	*53.07*	
		For Up To 1.4 CLF, Add	*35.93*	
		For >7.5 CLF, Deduct	*-41.46*	
		For 1 Part Mildew Resistant, Add	*77.40*	
		For High-Modulus Non-Acid Curing, Add	*44.23*	
07 92 13 00-0010	CLF	1/2" x 5/8" Joint, Silicone Sealant And Caulking	676.66	133.41
		For Custom Match Coloring, Add	*66.34*	
		For Up To 1.15 CLF, Add	*40.74*	
		For >6 CLF, Deduct	*-47.65*	
		For 1 Part Mildew Resistant, Add	*96.75*	
		For High-Modulus Non-Acid Curing, Add	*55.28*	
07 92 13 00-0011	CLF	1/2" x 3/4" Joint, Silicone Sealant And Caulking	731.95	133.41
		For Custom Match Coloring, Add	*79.61*	
		For Up To 1 CLF, Add	*44.89*	
		For >5 CLF, Deduct	*-53.18*	
		For 1 Part Mildew Resistant, Add	*116.10*	
		For High-Modulus Non-Acid Curing, Add	*66.34*	
07 92 13 00-0012	CLF	1/2" x 7/8" Joint, Silicone Sealant And Caulking	800.56	137.41
		For Custom Match Coloring, Add	*92.88*	
		For Up To 0.8 CLF, Add	*49.70*	
		For >4.5 CLF, Deduct	*-59.38*	
		For 1 Part Mildew Resistant, Add	*135.45*	
		For High-Modulus Non-Acid Curing, Add	*77.40*	
07 92 13 00-0013	CLF	1/2" x 1" Joint, Silicone Sealant And Caulking	869.18	142.75
		For Custom Match Coloring, Add	*106.14*	
		For Up To 0.75 CLF, Add	*54.52*	
		For >4 CLF, Deduct	*-65.57*	
		For 1 Part Mildew Resistant, Add	*154.79*	
		For High-Modulus Non-Acid Curing, Add	*88.45*	
07 92 13 00-0014	CLF	3/4" x 3/4" Joint, Silicone Sealant And Caulking	937.81	146.75
		For Custom Match Coloring, Add	*119.41*	
		For Up To 0.65 CLF, Add	*59.33*	
		For >3.5 CLF, Deduct	*-71.77*	
		For 1 Part Mildew Resistant, Add	*174.15*	
		For High-Modulus Non-Acid Curing, Add	*99.51*	
07 92 13 00-0015	CLF	3/4" x 1" Joint, Silicone Sealant And Caulking	1,143.69	160.10
		For Custom Match Coloring, Add	*159.22*	
		For Up To 0.5 CLF, Add	*73.77*	
		For >2.5 CLF, Deduct	*-90.36*	
		For 1 Part Mildew Resistant, Add	*232.19*	
		For High-Modulus Non-Acid Curing, Add	*132.68*	
07 92 13 00-0016	CLF	1" x 1" Joint, Silicone Sealant And Caulking	1,418.19	177.44
		For Custom Match Coloring, Add	*212.29*	
		For Up To 0.4 CLF, Add	*93.02*	
		For >2 CLF, Deduct	*-115.14*	
		For 1 Part Mildew Resistant, Add	*309.59*	
		For High-Modulus Non-Acid Curing, Add	*176.91*	

07 92 13 00-0017 Acrylic/Latex Sealant And Caulking *(07 92 13)*

07 92 13 00-0018	CLF	1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking	379.61	120.07
		For Up To 6 CLF, Add	*19.47*	
		For >30 CLF, Deduct	*-19.95*	
07 92 13 00-0019	CLF	1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	389.30	120.07
		For Up To 4 CLF, Add	*20.19*	
		For >20 CLF, Deduct	*-20.92*	
07 92 13 00-0020	CLF	1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	412.34	124.07
		For Up To 3 CLF, Add	*21.59*	
		For >15 CLF, Deduct	*-22.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0021	CLF	3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking	417.19	124.07
		For Up To 2.5 CLF, Add	*21.95*	
		For >13 CLF, Deduct	*-23.04*	
07 92 13 00-0022	CLF	3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	431.74	124.07
		For Up To 2 CLF, Add	*23.04*	
		For >10 CLF, Deduct	*-24.50*	
07 92 13 00-0023	CLF	3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	446.28	124.07
		For Up To 1.5 CLF, Add	*24.13*	
		For >8 CLF, Deduct	*-25.95*	
07 92 13 00-0024	CLF	3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	474.17	129.41
		For Up To 1.3 CLF, Add	*25.89*	
		For >7 CLF, Deduct	*-28.07*	
07 92 13 00-0025	CLF	1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking	464.47	129.41
		For Up To 1.4 CLF, Add	*25.16*	
		For >7.5 CLF, Deduct	*-27.10*	
07 92 13 00-0026	CLF	1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking	497.22	133.41
		For Up To 1.15 CLF, Add	*27.29*	
		For >6 CLF, Deduct	*-29.71*	
07 92 13 00-0027	CLF	1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	516.61	133.41
		For Up To 1 CLF, Add	*28.74*	
		For >5 CLF, Deduct	*-31.65*	
07 92 13 00-0028	CLF	1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking	549.34	137.41
		For Up To 0.8 CLF, Add	*30.86*	
		For >4.5 CLF, Deduct	*-34.26*	
07 92 13 00-0029	CLF	1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking	582.07	142.75
		For Up To 0.75 CLF, Add	*32.98*	
		For >4 CLF, Deduct	*-36.86*	
07 92 13 00-0030	CLF	3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking	614.81	146.75
		For Up To 0.65 CLF, Add	*35.10*	
		For >3.5 CLF, Deduct	*-39.47*	
07 92 13 00-0031	CLF	3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking	713.03	160.10
		For Up To 0.5 CLF, Add	*41.47*	
		For >2.5 CLF, Deduct	*-47.29*	
07 92 13 00-0032	CLF	1" x 1" Joint, Acrylic/Latex Sealant And Caulking	843.97	177.44
		For Up To 0.4 CLF, Add	*49.96*	
		For >2 CLF, Deduct	*-57.72*	

07 92 13 00-0033 Polyurethane Sealant And Caulking *(07 92 13)*

Note: 1 or 2 part, non-sag.

07 92 13 00-0034	CLF	1/4" x 1/4" Joint, Polyurethane Sealant And Caulking	402.61	120.07
		For Up To 6 CLF, Add	*21.19*	
		For >30 CLF, Deduct	*-22.25*	
07 92 13 00-0035	CLF	1/4" x 3/8" Joint, Polyurethane Sealant And Caulking	423.81	120.07
		For Up To 4 CLF, Add	*22.78*	
		For >20 CLF, Deduct	*-24.37*	
07 92 13 00-0036	CLF	1/4" x 1/2" Joint, Polyurethane Sealant And Caulking	458.35	124.07
		For Up To 3 CLF, Add	*25.04*	
		For >15 CLF, Deduct	*-27.16*	
07 92 13 00-0037	CLF	3/8" x 3/8" Joint, Polyurethane Sealant And Caulking	468.95	124.07
		For Up To 2.5 CLF, Add	*25.83*	
		For >13 CLF, Deduct	*-28.22*	
07 92 13 00-0038	CLF	3/8" x 1/2" Joint, Polyurethane Sealant And Caulking	500.75	124.07
		For Up To 2 CLF, Add	*28.22*	
		For >10 CLF, Deduct	*-31.40*	
07 92 13 00-0039	CLF	3/8" x 5/8" Joint, Polyurethane Sealant And Caulking	532.55	124.07
		For Up To 1.5 CLF, Add	*30.60*	
		For >8 CLF, Deduct	*-34.58*	
07 92 13 00-0040	CLF	3/8" x 3/4" Joint, Polyurethane Sealant And Caulking	577.69	129.41
		For Up To 1.3 CLF, Add	*33.65*	
		For >7 CLF, Deduct	*-38.42*	
07 92 13 00-0041	CLF	1/2" x 1/2" Joint, Polyurethane Sealant And Caulking	556.49	129.41
		For Up To 1.4 CLF, Add	*32.06*	
		For >7.5 CLF, Deduct	*-36.30*	
07 92 13 00-0042	CLF	1/2" x 5/8" Joint, Polyurethane Sealant And Caulking	612.25	133.41
		For Up To 1.15 CLF, Add	*35.91*	
		For >6 CLF, Deduct	*-41.21*	
07 92 13 00-0043	CLF	1/2" x 3/4" Joint, Polyurethane Sealant And Caulking	654.65	133.41
		For Up To 1 CLF, Add	*39.09*	
		For >5 CLF, Deduct	*-45.45*	
07 92 13 00-0044	CLF	1/2" x 7/8" Joint, Polyurethane Sealant And Caulking	710.38	137.41
		For Up To 0.8 CLF, Add	*42.94*	
		For >4.5 CLF, Deduct	*-50.36*	
07 92 13 00-0045	CLF	1/2" x 1" Joint, Polyurethane Sealant And Caulking	766.12	142.75
		For Up To 0.75 CLF, Add	*46.79*	
		For >4 CLF, Deduct	*-55.27*	
07 92 13 00-0046	CLF	3/4" x 3/4" Joint, Polyurethane Sealant And Caulking	821.86	146.75
		For Up To 0.65 CLF, Add	*50.63*	
		For >3.5 CLF, Deduct	*-60.17*	
07 92 13 00-0047	CLF	3/4" x 1" Joint, Polyurethane Sealant And Caulking	989.09	160.10
		For Up To 0.5 CLF, Add	*62.17*	
		For >2.5 CLF, Deduct	*-74.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0048		**Flexible Polysulfide Sealant And Caulking, Clear** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF	1/4" x 1/4" Joint, Polysulfide Sealant And Caulking	406.63	120.07
		For Up To 6 CLF, Add	*21.49*	
		For >30 CLF, Deduct	*-22.65*	
07 92 13 00-0050	CLF	1/4" x 3/8" Joint, Polysulfide Sealant And Caulking	429.87	120.07
		For Up To 4 CLF, Add	*23.24*	
		For >20 CLF, Deduct	*-24.98*	
07 92 13 00-0051	CLF	1/4" x 1/2" Joint, Polysulfide Sealant And Caulking	466.42	124.07
		For Up To 3 CLF, Add	*25.64*	
		For >15 CLF, Deduct	*-27.96*	
07 92 13 00-0052	CLF	3/8" x 3/8" Joint, Polysulfide Sealant And Caulking	478.03	124.07
		For Up To 2.5 CLF, Add	*26.51*	
		For >13 CLF, Deduct	*-29.13*	
07 92 13 00-0053	CLF	3/8" x 1/2" Joint, Polysulfide Sealant And Caulking	512.87	124.07
		For Up To 2 CLF, Add	*29.13*	
		For >10 CLF, Deduct	*-32.61*	
07 92 13 00-0054	CLF	3/8" x 5/8" Joint, Polysulfide Sealant And Caulking	547.68	124.07
		For Up To 1.5 CLF, Add	*31.74*	
		For >8 CLF, Deduct	*-36.09*	
07 92 13 00-0055	CLF	3/8" x 3/4" Joint, Polysulfide Sealant And Caulking	595.84	129.41
		For Up To 1.3 CLF, Add	*35.02*	
		For >7 CLF, Deduct	*-40.24*	
07 92 13 00-0056	CLF	1/2" x 1/2" Joint, Polysulfide Sealant And Caulking	572.63	129.41
		For Up To 1.4 CLF, Add	*33.28*	
		For >7.5 CLF, Deduct	*-37.92*	
07 92 13 00-0057	CLF	1/2" x 5/8" Joint, Polysulfide Sealant And Caulking	632.43	133.41
		For Up To 1.15 CLF, Add	*37.43*	
		For >6 CLF, Deduct	*-43.23*	
07 92 13 00-0058	CLF	1/2" x 3/4" Joint, Polysulfide Sealant And Caulking	678.85	133.41
		For Up To 1 CLF, Add	*40.91*	
		For >5 CLF, Deduct	*-47.87*	
07 92 13 00-0059	CLF	1/2" x 7/8" Joint, Polysulfide Sealant And Caulking	738.63	137.41
		For Up To 0.8 CLF, Add	*45.06*	
		For >4.5 CLF, Deduct	*-53.18*	
07 92 13 00-0060	CLF	1/2" x 1" Joint, Polysulfide Sealant And Caulking	798.39	142.75
		For Up To 0.75 CLF, Add	*49.21*	
		For >4 CLF, Deduct	*-58.49*	
07 92 13 00-0061	CLF	3/4" x 3/4" Joint, Polysulfide Sealant And Caulking	858.18	146.75
		For Up To 0.65 CLF, Add	*53.36*	
		For >3.5 CLF, Deduct	*-63.81*	
07 92 13 00-0062	CLF	3/4" x 1" Joint, Polysulfide Sealant And Caulking	1,037.50	160.10
		For Up To 0.5 CLF, Add	*65.81*	
		For >2.5 CLF, Deduct	*-79.74*	
07 92 13 00-0063		**Flexible Polyurethane Security Sealant And Caulking** *(07 92 13)*		
		Note: 1 or 2 part, non-sag.		
07 92 13 00-0064	CLF	1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking	416.48	120.07
		For Up To 6 CLF, Add	*22.23*	
		For >30 CLF, Deduct	*-23.64*	
07 92 13 00-0065	CLF	1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	444.62	120.07
		For Up To 4 CLF, Add	*24.34*	
		For >20 CLF, Deduct	*-26.45*	
07 92 13 00-0066	CLF	1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	486.10	124.07
		For Up To 3 CLF, Add	*27.12*	
		For >15 CLF, Deduct	*-29.93*	
07 92 13 00-0067	CLF	3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking	500.17	124.07
		For Up To 2.5 CLF, Add	*28.17*	
		For >13 CLF, Deduct	*-31.34*	
07 92 13 00-0068	CLF	3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	542.38	124.07
		For Up To 2 CLF, Add	*31.34*	
		For >10 CLF, Deduct	*-35.56*	
07 92 13 00-0069	CLF	3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	584.58	124.07
		For Up To 1.5 CLF, Add	*34.50*	
		For >8 CLF, Deduct	*-39.78*	
07 92 13 00-0070	CLF	3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	640.13	129.41
		For Up To 1.3 CLF, Add	*38.34*	
		For >7 CLF, Deduct	*-44.67*	
07 92 13 00-0071	CLF	1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking	611.99	129.41
		For Up To 1.4 CLF, Add	*36.23*	
		For >7.5 CLF, Deduct	*-41.85*	
07 92 13 00-0072	CLF	1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking	681.62	133.41
		For Up To 1.15 CLF, Add	*41.12*	
		For >6 CLF, Deduct	*-48.15*	
07 92 13 00-0073	CLF	1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	737.89	133.41
		For Up To 1 CLF, Add	*45.34*	
		For >5 CLF, Deduct	*-53.78*	
07 92 13 00-0074	CLF	1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking	807.50	137.41
		For Up To 0.8 CLF, Add	*50.22*	
		For >4.5 CLF, Deduct	*-60.07*	
07 92 13 00-0075	CLF	1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	877.11	142.75
		For Up To 0.75 CLF, Add	*55.11*	
		For >4 CLF, Deduct	*-66.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0076	CLF	3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking	946.73	146.75
		For Up To 0.65 CLF, Add	*60.00*	
		For >3.5 CLF, Deduct	*-72.66*	
07 92 13 00-0077	CLF	3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking	1,155.58	160.10
		For Up To 0.5 CLF, Add	*74.66*	
		For >2.5 CLF, Deduct	*-91.54*	

07 92 19 Acoustical Joint Sealants *(07 92)*

07 92 19 00-0001 Acoustical Sealant *(07 92 19)*

07 92 19 00-0002	CLF	1/4" x 1/4" Joint, Acoustical Sealant	412.84	120.07
		For Custom Match Coloring, Add	*12.63*	
		For Up To 6 CLF, Add	*21.96*	
		For >30 CLF, Deduct	*-23.27*	
		For 1 Part Mildew Resistant, Add	*18.42*	
		For High-Modulus Non-Acid Curing, Add	*10.53*	
07 92 19 00-0003	CLF	1/4" x 3/8" Joint, Acoustical Sealant	432.82	120.07
		For Custom Match Coloring, Add	*17.43*	
		For Up To 4 CLF, Add	*23.46*	
		For >20 CLF, Deduct	*-25.27*	
		For 1 Part Mildew Resistant, Add	*25.41*	
		For High-Modulus Non-Acid Curing, Add	*14.52*	
07 92 19 00-0004	CLF	1/4" x 1/2" Joint, Acoustical Sealant	457.94	124.07
		For Custom Match Coloring, Add	*20.25*	
		For Up To 3 CLF, Add	*25.01*	
		For >15 CLF, Deduct	*-27.12*	
		For 1 Part Mildew Resistant, Add	*29.54*	
		For High-Modulus Non-Acid Curing, Add	*16.88*	
07 92 19 00-0005	CLF	3/8" x 3/8" Joint, Acoustical Sealant	490.64	124.07
		For Custom Match Coloring, Add	*28.10*	
		For Up To 2.5 CLF, Add	*27.46*	
		For >13 CLF, Deduct	*-30.39*	
		For 1 Part Mildew Resistant, Add	*40.98*	
		For High-Modulus Non-Acid Curing, Add	*23.42*	
07 92 19 00-0006	CLF	3/8" x 1/2" Joint, Acoustical Sealant	524.64	124.07
		For Custom Match Coloring, Add	*36.26*	
		For Up To 2 CLF, Add	*30.01*	
		For >10 CLF, Deduct	*-33.79*	
		For 1 Part Mildew Resistant, Add	*52.88*	
		For High-Modulus Non-Acid Curing, Add	*30.22*	
07 92 19 00-0007	CLF	1/2" x 1/2" Joint, Acoustical Sealant	599.78	129.41
		For Custom Match Coloring, Add	*51.09*	
		For Up To 1.4 CLF, Add	*35.31*	
		For >7.5 CLF, Deduct	*-40.63*	
		For 1 Part Mildew Resistant, Add	*74.51*	
		For High-Modulus Non-Acid Curing, Add	*42.58*	

07 95 Expansion Control *(07 90)*

07 95 13 Expansion Joint Cover Assemblies *(07 95)*

Note: Includes necessary waterproofing mastics/caulking.

07 95 13 13 Interior Expansion Joint Cover Assemblies *(07 95 13)*

07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0002 With 1" Space *(07 95 13 13-0001)*

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover	76.63	6.87
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover	57.94	6.87
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover	96.45	6.87

07 95 13 13-0006 With 2" Space *(07 95 13 13-0001)*

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover	102.86	6.87
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover	69.19	6.87
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover	132.60	6.87

07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies *(07 95 13 13)*

07 95 13 13-0011 With 1" Space *(07 95 13 13-0010)*

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	56.37	6.87
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	52.66	6.87
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	84.35	6.87

07 95 13 13-0015 With 2" Space *(07 95 13 13-0010)*

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover	72.11	6.87
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover	58.28	6.87
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover	102.42	6.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 95 13 16		**Exterior Expansion Joint Cover Assemblies** *(07 95 13)*		
07 95 13 16-0001		Exterior Roof Aluminum Expansion Joint Cover Assemblies *(07 95 13 16)*		
07 95 13 16-0002		Roof To Roof *(07 95 13 16-0001)*		
07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	104.73	4.58
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	126.81	4.58
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint	142.02	4.58
07 95 13 16-0006		Roof To Wall *(07 95 13 16-0001)*		
07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	77.16	4.58
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint	104.19	4.58
07 95 13 16-0009		Flat Wall To Wall *(07 95 13 16-0001)*		
07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	56.92	4.58
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	73.14	4.58
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint	92.70	4.58
07 95 13 16-0013		Corner To Flat Wall *(07 95 13 16-0001)*		
07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	53.26	4.58
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	64.07	4.58
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint	94.44	4.58

END OF SECTION 07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 Openings

08 01 Operation and Maintenance of Openings *(08)*

08 01 10 Operation and Maintenance of Doors and Frames *(08 01)*

08 01 11 Operation and Maintenance of Metal Doors and Frames *(08 01 10)*

08 01 11 61 Metal Doors and Frames Repair *(08 01 11)*

08 01 11 61-0001 Hollow Metal Door Repair *(08 01 11 61)*
Note: Repairs are based on holes or damage of less than 1/2 of a square foot.

08 01 11 61-0002	EA	Up To 1 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	23.14	
08 01 11 61-0003	EA	>1 To 6 SI, Patch Small Drill Holes Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish	46.41	
08 01 11 61-0004	LF	Patch Deep Scrapes Or Cuts In Doors	55.86	

08 01 50 Operation and Maintenance of Windows *(08 01)*

08 01 52 Operation and Maintenance of Wood Windows *(08 01 50)*

08 01 52 61 Wood Window Repairs *(08 01 52)*

08 01 52 61-0001 Window Restoration And Replacement *(08 01 52 61)*

08 01 52 61-0002	EA	Removal And Replacement Of Sash Guides	14.90	
08 01 52 61-0003	EA	Removal And Replacement Of Window Arms	42.06	
08 01 52 61-0004	EA	Removal And Replacement Of Window Crank Operator	47.17	
08 01 52 61-0005	EA	Removal And Replacement Of Brass Window Sash Pull	29.31	
08 01 52 61-0006	EA	Removal And Replacement Of Brass Window Sash Lock	26.38	
08 01 52 61-0007	EA	Removal And Replacement Of Window Balance, Removable Sash Window Note: Channel, spiral or coil balance.	32.31	
08 01 52 61-0008	EA	Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing Note: Channel, spiral or coil balance.	99.04	
		For Replacing Two Balances In One Window, Deduct	*-36.84*	

08 01 80 Maintenance of Glazing *(08 01)*

08 01 81 Maintenance of Glass Glazing *(08 01 80)*

08 01 81 10 Maintenance of Glass Glazing *(08 01 81)*

08 01 81 10-0001 Glazing Compound Repair *(08 01 81 10)*

08 01 81 10-0002	LF	Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing, For Glazing Compound Repair	8.17	

08 05 Common Work Results for Openings *(08)*

08 05 13 Door Options and Modifications *(08 05)*

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001 Door Vision Panels (Pemko LT-S1) *(08 05 13)*
Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.

08 05 13 00-0002	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	151.19	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*75.60*
08 05 13 00-0003	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	191.38	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*95.69*
08 05 13 00-0004	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	222.00	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*111.00*
08 05 13 00-0005	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	283.24	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*141.62*
08 05 13 00-0006	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	367.44	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*183.72*
08 05 13 00-0007	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	468.87	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*234.44*
08 05 13 00-0008	EA	For >10 SF, Factory Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	497.58	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*248.79*
08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	270.90	
		For 9/16" To 1-1/16" Glazing Pocket, Add		*68.72*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	320.79	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*86.99*	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	361.96	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*100.91*	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	430.99	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*128.75*	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	520.88	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*167.02*	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	626.42	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*213.12*	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvannealed Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	665.87	
		For 9/16" To 1-1/16" Glazing Pocket, Add	*226.17*	

08 05 13 00-0016 Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	144.16	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	163.77	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	222.58	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	415.06	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	513.29	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	613.10	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	800.04	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	941.76	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*113.01*	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	244.26	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	273.87	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	342.69	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	545.18	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	653.42	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	763.23	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	960.19	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvannealed Inverted "Y" Blades, 18 Gauge Galvannealed Frame Louver In Door, Add	1,108.58	
		For 18 Gauge Louver And 18 Gauge Frame, Add	*113.01*	

08 05 13 00-0033 Fire Rated Fusible Link Louvers (Pemko LV-FL) *(08 05 13)*

Note: Factory primed or powder coated.

08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	291.93	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	334.06	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	392.39	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	412.04	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	467.52	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvannealed Adjustable "Z Blades, 18 Gauge Galvannealed Frame Fire Rated Fusible Link Louver In Door, Add	536.52	

08 05 13 00-0040 Door Hardware Preparation *(08 05 13)*

08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	100.06	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware Note: Requires door to be taken off site for UL certification.	246.80	
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	113.39	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware Note: Requires door to be taken off site for UL certification.	200.12	
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	33.35	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod Note: Requires door to be taken off site for UL certification.	366.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	233.46	
08 05 13 00-0048	EA	Prepare Existing Wood Door (Rated) For Electric Hardware Note: Requires door to be taken off site for UL certification.	246.80	
08 05 13 00-0049	EA	Prepare Existing Wood Door (Non-Rated) For Electric Hardware	113.39	

08 05 13 00-0050 Door Modifications *(08 05 13)*

08 05 13 00-0051	EA	Removal And Reinstallation Of Door	113.44	
08 05 13 00-0052	EA	Removal And Reinstallation Of Metal Door Frame	222.43	
08 05 13 00-0053	EA	Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	120.11	
08 05 13 00-0054	EA	Modify Metal Door Frame For Door Swing Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	1,472.61	
08 05 13 00-0055	EA	Factory Installed Sound Proofing (STC 28) In Metal Door	120.08	
08 05 13 00-0056	SF	For 16 Gauge Steel Metal Plate Bolted On Door Note: Includes mounting hardware.	27.04	
08 05 13 00-0057	EA	Removal And Reinstallation Of Wood Door Frame	134.28	
08 05 13 00-0058	EA	Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile Note: Excludes removal and reinstallation of door.	60.42	
08 05 13 00-0059	EA	Factory Trim Wood Door Edge For Custom Width	87.27	

08 10 Doors and Frames *(08)*

08 11 Metal Doors and Frames *(08 10)*

08 11 13 Hollow Metal Doors and Frames *(08 11)*

See CSI section 08 12 13 00-0000 for hollow metal frames, 08 13 13 00-0000 for hollow metal doors.

08 11 16 Aluminum Doors and Frames *(08 11)*

See CSI section 08 12 16 00-0000 for aluminum frames.

08 11 63 Metal Screen and Storm Doors and Frames *(08 11)*

08 11 63 13 Steel Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 13-0001 Steel Screen Door *(08 11 63 13)*
Note: Includes frame, trim, necessary anchors and hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 13-0002	EA	2'-8" x 7', Residential, Steel Screen Door With Frame, Trim, Hardware	942.53	183.51
08 11 63 13-0003	EA	3' x 7' Steel Screen Door, Residential, With Frame, Trim, Hardware	955.93	190.18
08 11 63 13-0004	EA	Steel Combination Type Residential Storm Door, With Mesh And Tempered Glass With Frame, Trim, Hardware	1,324.76	190.18

08 11 63 23 Aluminum Screen and Storm Doors and Frames *(08 11 63)*

08 11 63 23-0001 Aluminum Combination Type With Tempered Glass At Top And Bottom *(08 11 63 23)*
Note: Includes frame trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 11 63 23-0002	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top With Frame, Trim, Hardware	1,123.18	106.77
		For Special Finished, Add	*102.75*	
08 11 63 23-0003	EA	Aluminum Combination Type Residential Storm Door, Tempered Glass Top And Bottom With Frame, Trim, Hardware	1,180.93	106.77
08 11 63 23-0004	EA	Aluminum Screen Door	341.66	66.70
08 11 63 23-0005	SF	Repair Screen Door	19.27	

08 11 73 Sliding Metal Fire Doors *(08 11)*

08 11 73 00-0001 Motor Operated Fire Door With Fusible Link *(08 11 73)*
Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA	3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,617.73	572.68
08 11 73 00-0003	EA	3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	4,909.53	572.68
08 11 73 00-0004	EA	4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,396.90	572.68
08 11 73 00-0005	EA	5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating	5,928.01	572.68

08 12 Metal Frames *(08 10)*

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

08 12 13 Hollow Metal Frames *(08 12)*

08 12 13 13 Standard Hollow Metal Frames *(08 12 13)*

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*
Note: For non-rated or fire rated frame assemblies

08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0003	EA	2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	769.05	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*85.33*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*68.26*	
		For Type 304 Stainless Steel Frame, Add	*1,033.98*	
		For Type 316 Stainless Steel Frame, Add	*1,204.64*	
		For Baked Enamel Finish, Add	*200.69*	
		For 18 Gauge Frame, Deduct	*-56.89*	
		For 14 Gauge Frame, Add	*142.22*	
		For 12 Gauge Frame, Add	*216.17*	
08 12 13 13-0004	EA	2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	897.44	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*101.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*81.27*	
		For Type 304 Stainless Steel Frame, Add	*1,230.02*	
		For Type 316 Stainless Steel Frame, Add	*1,433.19*	
		For Baked Enamel Finish, Add	*236.20*	
		For 18 Gauge Frame, Deduct	*-67.72*	
		For 14 Gauge Frame, Add	*169.31*	
		For 12 Gauge Frame, Add	*257.35*	
08 12 13 13-0005	EA	2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	921.62	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.21*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*82.57*	
		For Type 304 Stainless Steel Frame, Add	*1,250.20*	
		For Type 316 Stainless Steel Frame, Add	*1,456.62*	
		For Baked Enamel Finish, Add	*241.45*	
		For 18 Gauge Frame, Deduct	*-68.81*	
		For 14 Gauge Frame, Add	*172.02*	
		For 12 Gauge Frame, Add	*261.47*	
08 12 13 13-0006	EA	2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	941.64	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*103.21*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*82.57*	
		For Type 304 Stainless Steel Frame, Add	*1,251.20*	
		For Type 316 Stainless Steel Frame, Add	*1,457.63*	
		For Baked Enamel Finish, Add	*244.46*	
		For 18 Gauge Frame, Deduct	*-68.81*	
		For 14 Gauge Frame, Add	*172.02*	
		For 12 Gauge Frame, Add	*261.47*	
08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	959.14	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*104.84*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*83.87*	
		For Type 304 Stainless Steel Frame, Add	*1,271.03*	
		For Type 316 Stainless Steel Frame, Add	*1,480.70*	
		For Baked Enamel Finish, Add	*248.71*	
		For 18 Gauge Frame, Deduct	*-69.89*	
		For 14 Gauge Frame, Add	*174.73*	
		For 12 Gauge Frame, Add	*265.58*	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	976.66	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*106.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*85.17*	
		For Type 304 Stainless Steel Frame, Add	*1,290.88*	
		For Type 316 Stainless Steel Frame, Add	*1,503.80*	
		For Baked Enamel Finish, Add	*252.96*	
		For 18 Gauge Frame, Deduct	*-70.97*	
		For 14 Gauge Frame, Add	*177.44*	
		For 12 Gauge Frame, Add	*269.70*	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,038.76	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.02*	
		For Type 304 Stainless Steel Frame, Add	*1,379.31*	
		For Type 316 Stainless Steel Frame, Add	*1,606.86*	
		For Baked Enamel Finish, Add	*269.59*	
		For 18 Gauge Frame, Deduct	*-75.85*	
		For 14 Gauge Frame, Add	*189.63*	
		For 12 Gauge Frame, Add	*288.23*	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,052.10	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*113.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.02*	
		For Type 304 Stainless Steel Frame, Add	*1,379.98*	
		For Type 316 Stainless Steel Frame, Add	*1,607.53*	
		For Baked Enamel Finish, Add	*271.59*	
		For 18 Gauge Frame, Deduct	*-75.85*	
		For 14 Gauge Frame, Add	*189.63*	
		For 12 Gauge Frame, Add	*288.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,092.54	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*117.84*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.27*	
		For Type 304 Stainless Steel Frame, Add	*1,429.41*	
		For Type 316 Stainless Steel Frame, Add	*1,665.09*	
		For Baked Enamel Finish, Add	*281.72*	
		For 18 Gauge Frame, Deduct	*-78.56*	
		For 14 Gauge Frame, Add	*196.40*	
		For 12 Gauge Frame, Add	*298.52*	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,132.98	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*97.52*	
		For Type 304 Stainless Steel Frame, Add	*1,478.84*	
		For Type 316 Stainless Steel Frame, Add	*1,722.64*	
		For Baked Enamel Finish, Add	*291.85*	
		For 18 Gauge Frame, Deduct	*-81.27*	
		For 14 Gauge Frame, Add	*203.17*	
		For 12 Gauge Frame, Add	*308.82*	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,146.32	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*121.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*97.52*	
		For Type 304 Stainless Steel Frame, Add	*1,479.51*	
		For Type 316 Stainless Steel Frame, Add	*1,723.31*	
		For Baked Enamel Finish, Add	*293.85*	
		For 18 Gauge Frame, Deduct	*-81.27*	
		For 14 Gauge Frame, Add	*203.17*	
		For 12 Gauge Frame, Add	*308.82*	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,166.54	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*123.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*99.15*	
		For Type 304 Stainless Steel Frame, Add	*1,504.21*	
		For Type 316 Stainless Steel Frame, Add	*1,752.08*	
		For Baked Enamel Finish, Add	*298.91*	
		For 18 Gauge Frame, Deduct	*-82.62*	
		For 14 Gauge Frame, Add	*206.56*	
		For 12 Gauge Frame, Add	*313.96*	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,186.76	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.97*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*100.77*	
		For Type 304 Stainless Steel Frame, Add	*1,528.94*	
		For Type 316 Stainless Steel Frame, Add	*1,780.87*	
		For Baked Enamel Finish, Add	*303.98*	
		For 18 Gauge Frame, Deduct	*-83.98*	
		For 14 Gauge Frame, Add	*209.94*	
		For 12 Gauge Frame, Add	*319.11*	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,247.60	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*134.09*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*107.27*	
		For Type 304 Stainless Steel Frame, Add	*1,626.78*	
		For Type 316 Stainless Steel Frame, Add	*1,894.96*	
		For Baked Enamel Finish, Add	*321.23*	
		For 18 Gauge Frame, Deduct	*-89.39*	
		For 14 Gauge Frame, Add	*223.49*	
		For 12 Gauge Frame, Add	*339.70*	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,308.46	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*142.22*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*113.77*	
		For Type 304 Stainless Steel Frame, Add	*1,724.63*	
		For Type 316 Stainless Steel Frame, Add	*2,009.07*	
		For Baked Enamel Finish, Add	*338.49*	
		For 18 Gauge Frame, Deduct	*-94.81*	
		For 14 Gauge Frame, Add	*237.03*	
		For 12 Gauge Frame, Add	*360.29*	

08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0001)*

08 12 13 13-0019	EA	2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	832.26	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*75.85*	
		For Type 304 Stainless Steel Frame, Add	*1,147.75*	
		For Type 316 Stainless Steel Frame, Add	*1,337.38*	
		For Baked Enamel Finish, Add	*219.65*	
		For 18 Gauge Frame, Deduct	*-63.21*	
		For 14 Gauge Frame, Add	*158.02*	
		For 12 Gauge Frame, Add	*240.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0020	EA	2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	972.69	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*90.30*	
		For Type 304 Stainless Steel Frame, Add	*1,365.47*	
		For Type 316 Stainless Steel Frame, Add	*1,591.22*	
		For Baked Enamel Finish, Add	*258.78*	
		For 18 Gauge Frame, Deduct	*-75.25*	
		For 14 Gauge Frame, Add	*188.12*	
		For 12 Gauge Frame, Add	*285.94*	
08 12 13 13-0021	EA	2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	998.07	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,387.81*	
		For Type 316 Stainless Steel Frame, Add	*1,617.17*	
		For Baked Enamel Finish, Add	*264.39*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0022	EA	2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,018.09	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,388.81*	
		For Type 316 Stainless Steel Frame, Add	*1,618.17*	
		For Baked Enamel Finish, Add	*267.39*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0023	EA	2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,036.80	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*93.19*	
		For Type 304 Stainless Steel Frame, Add	*1,410.82*	
		For Type 316 Stainless Steel Frame, Add	*1,643.79*	
		For Baked Enamel Finish, Add	*272.00*	
		For 18 Gauge Frame, Deduct	*-77.66*	
		For 14 Gauge Frame, Add	*194.14*	
		For 12 Gauge Frame, Add	*295.09*	
08 12 13 13-0024	EA	3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,055.52	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*118.29*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.63*	
		For Type 304 Stainless Steel Frame, Add	*1,432.83*	
		For Type 316 Stainless Steel Frame, Add	*1,669.41*	
		For Baked Enamel Finish, Add	*276.62*	
		For 18 Gauge Frame, Deduct	*-78.86*	
		For 14 Gauge Frame, Add	*197.15*	
		For 12 Gauge Frame, Add	*299.67*	
08 12 13 13-0025	EA	3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,123.04	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.02*	
		For Type 316 Stainless Steel Frame, Add	*1,783.85*	
		For Baked Enamel Finish, Add	*294.87*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0026	EA	3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,136.38	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.68*	
		For Type 316 Stainless Steel Frame, Add	*1,784.52*	
		For Baked Enamel Finish, Add	*296.87*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0027	EA	4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,179.83	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*130.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*104.75*	
		For Type 304 Stainless Steel Frame, Add	*1,586.53*	
		For Type 316 Stainless Steel Frame, Add	*1,848.40*	
		For Baked Enamel Finish, Add	*307.91*	
		For 18 Gauge Frame, Deduct	*-87.29*	
		For 14 Gauge Frame, Add	*218.22*	
		For 12 Gauge Frame, Add	*331.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0028	EA	5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,223.27	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,641.36*	
		For Type 316 Stainless Steel Frame, Add	*1,912.25*	
		For Baked Enamel Finish, Add	*318.94*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,236.61	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,642.03*	
		For Type 316 Stainless Steel Frame, Add	*1,912.92*	
		For Baked Enamel Finish, Add	*320.94*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,258.34	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.70*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*110.16*	
		For Type 304 Stainless Steel Frame, Add	*1,669.45*	
		For Type 316 Stainless Steel Frame, Add	*1,944.86*	
		For Baked Enamel Finish, Add	*326.45*	
		For 18 Gauge Frame, Deduct	*-91.80*	
		For 14 Gauge Frame, Add	*229.51*	
		For 12 Gauge Frame, Add	*348.85*	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,280.06	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*111.97*	
		For Type 304 Stainless Steel Frame, Add	*1,696.88*	
		For Type 316 Stainless Steel Frame, Add	*1,976.80*	
		For Baked Enamel Finish, Add	*331.97*	
		For 18 Gauge Frame, Deduct	*-93.31*	
		For 14 Gauge Frame, Add	*233.27*	
		For 12 Gauge Frame, Add	*354.57*	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,346.93	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.99*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*119.19*	
		For Type 304 Stainless Steel Frame, Add	*1,805.57*	
		For Type 316 Stainless Steel Frame, Add	*2,103.55*	
		For Baked Enamel Finish, Add	*351.03*	
		For 18 Gauge Frame, Deduct	*-99.33*	
		For 14 Gauge Frame, Add	*248.32*	
		For 12 Gauge Frame, Add	*377.44*	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,413.81	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*126.42*	
		For Type 304 Stainless Steel Frame, Add	*1,914.26*	
		For Type 316 Stainless Steel Frame, Add	*2,230.30*	
		For Baked Enamel Finish, Add	*370.09*	
		For 18 Gauge Frame, Deduct	*-105.35*	
		For 14 Gauge Frame, Add	*263.37*	
		For 12 Gauge Frame, Add	*400.32*	

08 12 13 13-0034 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0035 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	832.26	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*94.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*75.85*	
		For Type 304 Stainless Steel Frame, Add	*1,147.75*	
		For Type 316 Stainless Steel Frame, Add	*1,337.38*	
		For Baked Enamel Finish, Add	*219.65*	
		For 18 Gauge Frame, Deduct	*-63.21*	
		For 14 Gauge Frame, Add	*158.02*	
		For 12 Gauge Frame, Add	*240.19*	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	972.69	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*112.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*90.30*	
		For Type 304 Stainless Steel Frame, Add	*1,365.47*	
		For Type 316 Stainless Steel Frame, Add	*1,591.22*	
		For Baked Enamel Finish, Add	*258.78*	
		For 18 Gauge Frame, Deduct	*-75.25*	
		For 14 Gauge Frame, Add	*188.12*	
		For 12 Gauge Frame, Add	*285.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	998.07	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,387.81*	
		For Type 316 Stainless Steel Frame, Add	*1,617.17*	
		For Baked Enamel Finish, Add	*264.39*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,018.09	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*114.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*91.74*	
		For Type 304 Stainless Steel Frame, Add	*1,388.81*	
		For Type 316 Stainless Steel Frame, Add	*1,618.17*	
		For Baked Enamel Finish, Add	*267.39*	
		For 18 Gauge Frame, Deduct	*-76.45*	
		For 14 Gauge Frame, Add	*191.13*	
		For 12 Gauge Frame, Add	*290.52*	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,036.80	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*116.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*93.19*	
		For Type 304 Stainless Steel Frame, Add	*1,410.82*	
		For Type 316 Stainless Steel Frame, Add	*1,643.79*	
		For Baked Enamel Finish, Add	*272.00*	
		For 18 Gauge Frame, Deduct	*-77.66*	
		For 14 Gauge Frame, Add	*194.14*	
		For 12 Gauge Frame, Add	*295.09*	
08 12 13 13-0041	EA	3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,055.52	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*118.29*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*94.63*	
		For Type 304 Stainless Steel Frame, Add	*1,432.83*	
		For Type 316 Stainless Steel Frame, Add	*1,669.41*	
		For Baked Enamel Finish, Add	*276.62*	
		For 18 Gauge Frame, Deduct	*-78.86*	
		For 14 Gauge Frame, Add	*197.15*	
		For 12 Gauge Frame, Add	*299.67*	
08 12 13 13-0042	EA	3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,123.04	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.02*	
		For Type 316 Stainless Steel Frame, Add	*1,783.85*	
		For Baked Enamel Finish, Add	*294.87*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0043	EA	3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,136.38	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*126.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.13*	
		For Type 304 Stainless Steel Frame, Add	*1,531.68*	
		For Type 316 Stainless Steel Frame, Add	*1,784.52*	
		For Baked Enamel Finish, Add	*296.87*	
		For 18 Gauge Frame, Deduct	*-84.28*	
		For 14 Gauge Frame, Add	*210.70*	
		For 12 Gauge Frame, Add	*320.26*	
08 12 13 13-0044	EA	4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,179.82	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*130.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*104.74*	
		For Type 304 Stainless Steel Frame, Add	*1,586.51*	
		For Type 316 Stainless Steel Frame, Add	*1,848.37*	
		For Baked Enamel Finish, Add	*307.90*	
		For 18 Gauge Frame, Deduct	*-87.29*	
		For 14 Gauge Frame, Add	*218.22*	
		For 12 Gauge Frame, Add	*331.69*	
08 12 13 13-0045	EA	5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,223.27	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,641.36*	
		For Type 316 Stainless Steel Frame, Add	*1,912.25*	
		For Baked Enamel Finish, Add	*318.94*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0046	EA	5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,236.61	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*135.45*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*108.36*	
		For Type 304 Stainless Steel Frame, Add	*1,642.03*	
		For Type 316 Stainless Steel Frame, Add	*1,912.92*	
		For Baked Enamel Finish, Add	*320.94*	
		For 18 Gauge Frame, Deduct	*-90.30*	
		For 14 Gauge Frame, Add	*225.74*	
		For 12 Gauge Frame, Add	*343.13*	
08 12 13 13-0047	EA	5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,258.34	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*137.70*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*110.16*	
		For Type 304 Stainless Steel Frame, Add	*1,669.45*	
		For Type 316 Stainless Steel Frame, Add	*1,944.86*	
		For Baked Enamel Finish, Add	*326.45*	
		For 18 Gauge Frame, Deduct	*-91.80*	
		For 14 Gauge Frame, Add	*229.51*	
		For 12 Gauge Frame, Add	*348.85*	
08 12 13 13-0048	EA	6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,280.06	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*139.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*111.97*	
		For Type 304 Stainless Steel Frame, Add	*1,696.88*	
		For Type 316 Stainless Steel Frame, Add	*1,976.80*	
		For Baked Enamel Finish, Add	*331.97*	
		For 18 Gauge Frame, Deduct	*-93.31*	
		For 14 Gauge Frame, Add	*233.27*	
		For 12 Gauge Frame, Add	*354.57*	
08 12 13 13-0049	EA	7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,346.93	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*148.99*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*119.19*	
		For Type 304 Stainless Steel Frame, Add	*1,805.57*	
		For Type 316 Stainless Steel Frame, Add	*2,103.55*	
		For Baked Enamel Finish, Add	*351.03*	
		For 18 Gauge Frame, Deduct	*-99.33*	
		For 14 Gauge Frame, Add	*248.32*	
		For 12 Gauge Frame, Add	*377.44*	
08 12 13 13-0050	EA	8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,413.81	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*158.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*126.42*	
		For Type 304 Stainless Steel Frame, Add	*1,914.26*	
		For Type 316 Stainless Steel Frame, Add	*2,230.30*	
		For Baked Enamel Finish, Add	*370.09*	
		For 18 Gauge Frame, Deduct	*-105.35*	
		For 14 Gauge Frame, Add	*263.37*	
		For 12 Gauge Frame, Add	*400.32*	

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0034)*

08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	902.49	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*105.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*84.28*	
		For Type 304 Stainless Steel Frame, Add	*1,274.17*	
		For Type 316 Stainless Steel Frame, Add	*1,484.86*	
		For Baked Enamel Finish, Add	*240.72*	
		For 18 Gauge Frame, Deduct	*-70.23*	
		For 14 Gauge Frame, Add	*175.58*	
		For 12 Gauge Frame, Add	*266.88*	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,056.30	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*125.41*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*100.33*	
		For Type 304 Stainless Steel Frame, Add	*1,515.97*	
		For Type 316 Stainless Steel Frame, Add	*1,766.80*	
		For Baked Enamel Finish, Add	*283.86*	
		For 18 Gauge Frame, Deduct	*-83.61*	
		For 14 Gauge Frame, Add	*209.02*	
		For 12 Gauge Frame, Add	*317.71*	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,083.01	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*127.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.94*	
		For Type 304 Stainless Steel Frame, Add	*1,540.71*	
		For Type 316 Stainless Steel Frame, Add	*1,795.54*	
		For Baked Enamel Finish, Add	*289.87*	
		For 18 Gauge Frame, Deduct	*-84.95*	
		For 14 Gauge Frame, Add	*212.37*	
		For 12 Gauge Frame, Add	*322.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,103.03	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*127.42*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*101.94*	
		For Type 304 Stainless Steel Frame, Add	*1,541.71*	
		For Type 316 Stainless Steel Frame, Add	*1,796.54*	
		For Baked Enamel Finish, Add	*292.87*	
		For 18 Gauge Frame, Deduct	*-84.95*	
		For 14 Gauge Frame, Add	*212.37*	
		For 12 Gauge Frame, Add	*322.79*	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,123.08	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*129.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*103.54*	
		For Type 304 Stainless Steel Frame, Add	*1,566.12*	
		For Type 316 Stainless Steel Frame, Add	*1,824.98*	
		For Baked Enamel Finish, Add	*297.89*	
		For 18 Gauge Frame, Deduct	*-86.28*	
		For 14 Gauge Frame, Add	*215.71*	
		For 12 Gauge Frame, Add	*327.88*	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,143.14	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*131.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*105.15*	
		For Type 304 Stainless Steel Frame, Add	*1,590.54*	
		For Type 316 Stainless Steel Frame, Add	*1,853.41*	
		For Baked Enamel Finish, Add	*302.90*	
		For 18 Gauge Frame, Deduct	*-87.62*	
		For 14 Gauge Frame, Add	*219.06*	
		For 12 Gauge Frame, Add	*332.96*	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,216.68	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*140.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*112.37*	
		For Type 304 Stainless Steel Frame, Add	*1,699.57*	
		For Type 316 Stainless Steel Frame, Add	*1,980.50*	
		For Baked Enamel Finish, Add	*322.97*	
		For 18 Gauge Frame, Deduct	*-93.64*	
		For 14 Gauge Frame, Add	*234.11*	
		For 12 Gauge Frame, Add	*355.84*	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,230.02	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*140.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*112.37*	
		For Type 304 Stainless Steel Frame, Add	*1,700.24*	
		For Type 316 Stainless Steel Frame, Add	*1,981.16*	
		For Baked Enamel Finish, Add	*324.97*	
		For 18 Gauge Frame, Deduct	*-93.64*	
		For 14 Gauge Frame, Add	*234.11*	
		For 12 Gauge Frame, Add	*355.84*	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,276.81	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*145.48*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*116.38*	
		For Type 304 Stainless Steel Frame, Add	*1,761.10*	
		For Type 316 Stainless Steel Frame, Add	*2,052.05*	
		For Baked Enamel Finish, Add	*337.00*	
		For 18 Gauge Frame, Deduct	*-96.99*	
		For 14 Gauge Frame, Add	*242.47*	
		For 12 Gauge Frame, Add	*368.55*	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,323.60	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.40*	
		For Type 304 Stainless Steel Frame, Add	*1,821.96*	
		For Type 316 Stainless Steel Frame, Add	*2,122.95*	
		For Baked Enamel Finish, Add	*349.04*	
		For 18 Gauge Frame, Deduct	*-100.33*	
		For 14 Gauge Frame, Add	*250.83*	
		For 12 Gauge Frame, Add	*381.25*	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,336.94	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.40*	
		For Type 304 Stainless Steel Frame, Add	*1,822.62*	
		For Type 316 Stainless Steel Frame, Add	*2,123.61*	
		For Baked Enamel Finish, Add	*351.04*	
		For 18 Gauge Frame, Deduct	*-100.33*	
		For 14 Gauge Frame, Add	*250.83*	
		For 12 Gauge Frame, Add	*381.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0063	EA	5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,360.35	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*153.00*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*122.40*	
		For Type 304 Stainless Steel Frame, Add	*1,853.07*	
		For Type 316 Stainless Steel Frame, Add	*2,159.08*	
		For Baked Enamel Finish, Add	*357.06*	
		For 18 Gauge Frame, Deduct	*-102.00*	
		For 14 Gauge Frame, Add	*255.01*	
		For 12 Gauge Frame, Add	*387.61*	
08 12 13 13-0064	EA	6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,383.74	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*155.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*124.41*	
		For Type 304 Stainless Steel Frame, Add	*1,883.50*	
		For Type 316 Stainless Steel Frame, Add	*2,194.52*	
		For Baked Enamel Finish, Add	*363.07*	
		For 18 Gauge Frame, Deduct	*-103.68*	
		For 14 Gauge Frame, Add	*259.19*	
		For 12 Gauge Frame, Add	*393.97*	
08 12 13 13-0065	EA	7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,457.30	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*165.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*132.44*	
		For Type 304 Stainless Steel Frame, Add	*2,004.24*	
		For Type 316 Stainless Steel Frame, Add	*2,335.33*	
		For Baked Enamel Finish, Add	*384.14*	
		For 18 Gauge Frame, Deduct	*-110.36*	
		For 14 Gauge Frame, Add	*275.91*	
		For 12 Gauge Frame, Add	*419.38*	
08 12 13 13-0066	EA	8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,530.86	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*175.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*140.46*	
		For Type 304 Stainless Steel Frame, Add	*2,124.95*	
		For Type 316 Stainless Steel Frame, Add	*2,476.11*	
		For Baked Enamel Finish, Add	*405.21*	
		For 18 Gauge Frame, Deduct	*-117.05*	
		For 14 Gauge Frame, Add	*292.63*	
		For 12 Gauge Frame, Add	*444.80*	

08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0069	EA	2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,200.84	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*150.10*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*120.08*	
		For Type 304 Stainless Steel Frame, Add	*1,811.20*	
		For Type 316 Stainless Steel Frame, Add	*2,111.40*	
		For Baked Enamel Finish, Add	*330.23*	
		For 18 Gauge Frame, Deduct	*-100.07*	
		For 14 Gauge Frame, Add	*250.17*	
		For 12 Gauge Frame, Add	*380.25*	
08 12 13 13-0070	EA	2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,411.47	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*178.69*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*142.95*	
		For Type 304 Stainless Steel Frame, Add	*2,155.28*	
		For Type 316 Stainless Steel Frame, Add	*2,512.66*	
		For Baked Enamel Finish, Add	*390.41*	
		For 18 Gauge Frame, Deduct	*-119.13*	
		For 14 Gauge Frame, Add	*297.82*	
		For 12 Gauge Frame, Add	*452.68*	
08 12 13 13-0071	EA	2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,443.87	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*145.24*	
		For Type 304 Stainless Steel Frame, Add	*2,190.25*	
		For Type 316 Stainless Steel Frame, Add	*2,553.35*	
		For Baked Enamel Finish, Add	*398.13*	
		For 18 Gauge Frame, Deduct	*-121.03*	
		For 14 Gauge Frame, Add	*302.58*	
		For 12 Gauge Frame, Add	*459.92*	
08 12 13 13-0072	EA	2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,463.89	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*181.55*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*145.24*	
		For Type 304 Stainless Steel Frame, Add	*2,191.25*	
		For Type 316 Stainless Steel Frame, Add	*2,554.35*	
		For Baked Enamel Finish, Add	*401.13*	
		For 18 Gauge Frame, Deduct	*-121.03*	
		For 14 Gauge Frame, Add	*302.58*	
		For 12 Gauge Frame, Add	*459.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0073	EA	2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,489.62	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*184.41*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*147.53*	
		For Type 304 Stainless Steel Frame, Add	*2,225.90*	
		For Type 316 Stainless Steel Frame, Add	*2,594.71*	
		For Baked Enamel Finish, Add	*407.85*	
		For 18 Gauge Frame, Deduct	*-122.94*	
		For 14 Gauge Frame, Add	*307.35*	
		For 12 Gauge Frame, Add	*467.16*	
08 12 13 13-0074	EA	3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,515.36	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*187.27*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*149.81*	
		For Type 304 Stainless Steel Frame, Add	*2,260.54*	
		For Type 316 Stainless Steel Frame, Add	*2,635.07*	
		For Baked Enamel Finish, Add	*414.57*	
		For 18 Gauge Frame, Deduct	*-124.84*	
		For 14 Gauge Frame, Add	*312.11*	
		For 12 Gauge Frame, Add	*474.41*	
08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,614.47	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*200.13*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.11*	
		For Type 304 Stainless Steel Frame, Add	*2,415.59*	
		For Type 316 Stainless Steel Frame, Add	*2,815.85*	
		For Baked Enamel Finish, Add	*442.30*	
		For 18 Gauge Frame, Deduct	*-133.42*	
		For 14 Gauge Frame, Add	*333.55*	
		For 12 Gauge Frame, Add	*507.00*	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,627.81	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*200.13*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.11*	
		For Type 304 Stainless Steel Frame, Add	*2,416.26*	
		For Type 316 Stainless Steel Frame, Add	*2,816.52*	
		For Baked Enamel Finish, Add	*444.30*	
		For 18 Gauge Frame, Deduct	*-133.42*	
		For 14 Gauge Frame, Add	*333.55*	
		For 12 Gauge Frame, Add	*507.00*	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,688.81	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.28*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*165.82*	
		For Type 304 Stainless Steel Frame, Add	*2,502.70*	
		For Type 316 Stainless Steel Frame, Add	*2,917.25*	
		For Baked Enamel Finish, Add	*460.60*	
		For 18 Gauge Frame, Deduct	*-138.19*	
		For 14 Gauge Frame, Add	*345.47*	
		For 12 Gauge Frame, Add	*525.11*	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,749.81	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*171.54*	
		For Type 304 Stainless Steel Frame, Add	*2,589.13*	
		For Type 316 Stainless Steel Frame, Add	*3,017.99*	
		For Baked Enamel Finish, Add	*476.90*	
		For 18 Gauge Frame, Deduct	*-142.95*	
		For 14 Gauge Frame, Add	*357.38*	
		For 12 Gauge Frame, Add	*543.21*	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,763.15	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*214.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*171.54*	
		For Type 304 Stainless Steel Frame, Add	*2,589.80*	
		For Type 316 Stainless Steel Frame, Add	*3,018.65*	
		For Baked Enamel Finish, Add	*478.90*	
		For 18 Gauge Frame, Deduct	*-142.95*	
		For 14 Gauge Frame, Add	*357.38*	
		For 12 Gauge Frame, Add	*543.21*	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,793.65	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*218.00*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*174.40*	
		For Type 304 Stainless Steel Frame, Add	*2,633.01*	
		For Type 316 Stainless Steel Frame, Add	*3,069.01*	
		For Baked Enamel Finish, Add	*487.05*	
		For 18 Gauge Frame, Deduct	*-145.33*	
		For 14 Gauge Frame, Add	*363.33*	
		For 12 Gauge Frame, Add	*552.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,824.15	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*221.57*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.26*	
		For Type 304 Stainless Steel Frame, Add	*2,676.24*	
		For Type 316 Stainless Steel Frame, Add	*3,119.39*	
		For Baked Enamel Finish, Add	*495.20*	
		For 18 Gauge Frame, Deduct	*-147.72*	
		For 14 Gauge Frame, Add	*369.29*	
		For 12 Gauge Frame, Add	*561.32*	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,926.11	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*235.87*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*188.69*	
		For Type 304 Stainless Steel Frame, Add	*2,848.09*	
		For Type 316 Stainless Steel Frame, Add	*3,319.83*	
		For Baked Enamel Finish, Add	*524.78*	
		For 18 Gauge Frame, Deduct	*-157.25*	
		For 14 Gauge Frame, Add	*393.11*	
		For 12 Gauge Frame, Add	*597.53*	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,028.10	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Type 304 Stainless Steel Frame, Add	*3,019.99*	
		For Type 316 Stainless Steel Frame, Add	*3,520.31*	
		For Baked Enamel Finish, Add	*554.38*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	

08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0067)*

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,312.02	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*166.78*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*133.42*	
		For Type 304 Stainless Steel Frame, Add	*2,011.32*	
		For Type 316 Stainless Steel Frame, Add	*2,344.87*	
		For Baked Enamel Finish, Add	*363.58*	
		For 18 Gauge Frame, Deduct	*-111.18*	
		For 14 Gauge Frame, Add	*277.96*	
		For 12 Gauge Frame, Add	*422.50*	
08 12 13 13-0086	EA	2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,543.83	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.54*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*158.83*	
		For Type 304 Stainless Steel Frame, Add	*2,393.53*	
		For Type 316 Stainless Steel Frame, Add	*2,790.61*	
		For Baked Enamel Finish, Add	*430.12*	
		For 18 Gauge Frame, Deduct	*-132.36*	
		For 14 Gauge Frame, Add	*330.91*	
		For 12 Gauge Frame, Add	*502.98*	
08 12 13 13-0087	EA	2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,578.35	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.72*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.38*	
		For Type 304 Stainless Steel Frame, Add	*2,432.32*	
		For Type 316 Stainless Steel Frame, Add	*2,835.76*	
		For Baked Enamel Finish, Add	*438.47*	
		For 18 Gauge Frame, Deduct	*-134.48*	
		For 14 Gauge Frame, Add	*336.20*	
		For 12 Gauge Frame, Add	*511.02*	
08 12 13 13-0088	EA	2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,598.37	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.72*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.38*	
		For Type 304 Stainless Steel Frame, Add	*2,433.32*	
		For Type 316 Stainless Steel Frame, Add	*2,836.76*	
		For Baked Enamel Finish, Add	*441.48*	
		For 18 Gauge Frame, Deduct	*-134.48*	
		For 14 Gauge Frame, Add	*336.20*	
		For 12 Gauge Frame, Add	*511.02*	
08 12 13 13-0089	EA	2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,626.21	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.90*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.92*	
		For Type 304 Stainless Steel Frame, Add	*2,471.76*	
		For Type 316 Stainless Steel Frame, Add	*2,881.55*	
		For Baked Enamel Finish, Add	*448.83*	
		For 18 Gauge Frame, Deduct	*-136.60*	
		For 14 Gauge Frame, Add	*341.49*	
		For 12 Gauge Frame, Add	*519.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0090	EA	3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,654.07	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*208.07*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*166.46*	
		For Type 304 Stainless Steel Frame, Add	*2,510.22*	
		For Type 316 Stainless Steel Frame, Add	*2,926.36*	
		For Baked Enamel Finish, Add	*456.18*	
		For 18 Gauge Frame, Deduct	*-138.72*	
		For 14 Gauge Frame, Add	*346.79*	
		For 12 Gauge Frame, Add	*527.12*	
08 12 13 13-0091	EA	3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,762.71	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.37*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.89*	
		For Type 304 Stainless Steel Frame, Add	*2,682.42*	
		For Type 316 Stainless Steel Frame, Add	*3,127.16*	
		For Baked Enamel Finish, Add	*486.77*	
		For 18 Gauge Frame, Deduct	*-148.25*	
		For 14 Gauge Frame, Add	*370.61*	
		For 12 Gauge Frame, Add	*563.33*	
08 12 13 13-0092	EA	3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,776.05	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.37*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*177.89*	
		For Type 304 Stainless Steel Frame, Add	*2,683.09*	
		For Type 316 Stainless Steel Frame, Add	*3,127.83*	
		For Baked Enamel Finish, Add	*488.78*	
		For 18 Gauge Frame, Deduct	*-148.25*	
		For 14 Gauge Frame, Add	*370.61*	
		For 12 Gauge Frame, Add	*563.33*	
08 12 13 13-0093	EA	4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,842.35	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.31*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.25*	
		For Type 304 Stainless Steel Frame, Add	*2,779.07*	
		For Type 316 Stainless Steel Frame, Add	*3,239.69*	
		For Baked Enamel Finish, Add	*506.66*	
		For 18 Gauge Frame, Deduct	*-153.54*	
		For 14 Gauge Frame, Add	*383.85*	
		For 12 Gauge Frame, Add	*583.45*	
08 12 13 13-0094	EA	5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,908.64	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.60*	
		For Type 304 Stainless Steel Frame, Add	*2,875.03*	
		For Type 316 Stainless Steel Frame, Add	*3,351.53*	
		For Baked Enamel Finish, Add	*524.55*	
		For 18 Gauge Frame, Deduct	*-158.83*	
		For 14 Gauge Frame, Add	*397.09*	
		For 12 Gauge Frame, Add	*603.57*	
08 12 13 13-0095	EA	5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,921.98	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.60*	
		For Type 304 Stainless Steel Frame, Add	*2,875.69*	
		For Type 316 Stainless Steel Frame, Add	*3,352.20*	
		For Baked Enamel Finish, Add	*526.55*	
		For 18 Gauge Frame, Deduct	*-158.83*	
		For 14 Gauge Frame, Add	*397.09*	
		For 12 Gauge Frame, Add	*603.57*	
08 12 13 13-0096	EA	5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,955.13	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*242.22*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*193.78*	
		For Type 304 Stainless Steel Frame, Add	*2,923.67*	
		For Type 316 Stainless Steel Frame, Add	*3,408.12*	
		For Baked Enamel Finish, Add	*535.49*	
		For 18 Gauge Frame, Deduct	*-161.48*	
		For 14 Gauge Frame, Add	*403.70*	
		For 12 Gauge Frame, Add	*613.63*	
08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,988.28	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*246.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*196.95*	
		For Type 304 Stainless Steel Frame, Add	*2,971.67*	
		For Type 316 Stainless Steel Frame, Add	*3,464.06*	
		For Baked Enamel Finish, Add	*544.44*	
		For 18 Gauge Frame, Deduct	*-164.13*	
		For 14 Gauge Frame, Add	*410.32*	
		For 12 Gauge Frame, Add	*623.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,100.82	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*262.07*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*209.66*	
		For Type 304 Stainless Steel Frame, Add	*3,162.57*	
		For Type 316 Stainless Steel Frame, Add	*3,686.72*	
		For Baked Enamel Finish, Add	*577.20*	
		For 18 Gauge Frame, Deduct	*-174.72*	
		For 14 Gauge Frame, Add	*436.79*	
		For 12 Gauge Frame, Add	*663.92*	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,213.40	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*277.96*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*222.37*	
		For Type 304 Stainless Steel Frame, Add	*3,353.53*	
		For Type 316 Stainless Steel Frame, Add	*3,909.44*	
		For Baked Enamel Finish, Add	*609.97*	
		For 18 Gauge Frame, Deduct	*-185.31*	
		For 14 Gauge Frame, Add	*463.27*	
		For 12 Gauge Frame, Add	*704.16*	

08 12 13 13-0100 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0101 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,275.89	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*161.36*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*129.09*	
		For Type 304 Stainless Steel Frame, Add	*1,946.29*	
		For Type 316 Stainless Steel Frame, Add	*2,269.00*	
		For Baked Enamel Finish, Add	*352.74*	
		For 18 Gauge Frame, Deduct	*-107.57*	
		For 14 Gauge Frame, Add	*268.93*	
		For 12 Gauge Frame, Add	*408.77*	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,500.81	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*192.09*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*153.67*	
		For Type 304 Stainless Steel Frame, Add	*2,316.09*	
		For Type 316 Stainless Steel Frame, Add	*2,700.27*	
		For Baked Enamel Finish, Add	*417.21*	
		For 18 Gauge Frame, Deduct	*-128.06*	
		For 14 Gauge Frame, Add	*320.15*	
		For 12 Gauge Frame, Add	*486.63*	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,534.64	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*195.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*156.13*	
		For Type 304 Stainless Steel Frame, Add	*2,353.64*	
		For Type 316 Stainless Steel Frame, Add	*2,743.97*	
		For Baked Enamel Finish, Add	*425.36*	
		For 18 Gauge Frame, Deduct	*-130.11*	
		For 14 Gauge Frame, Add	*325.27*	
		For 12 Gauge Frame, Add	*494.41*	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,554.66	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*195.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*156.13*	
		For Type 304 Stainless Steel Frame, Add	*2,354.64*	
		For Type 316 Stainless Steel Frame, Add	*2,744.97*	
		For Baked Enamel Finish, Add	*428.36*	
		For 18 Gauge Frame, Deduct	*-130.11*	
		For 14 Gauge Frame, Add	*325.27*	
		For 12 Gauge Frame, Add	*494.41*	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,581.82	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*198.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*158.59*	
		For Type 304 Stainless Steel Frame, Add	*2,391.86*	
		For Type 316 Stainless Steel Frame, Add	*2,788.33*	
		For Baked Enamel Finish, Add	*435.51*	
		For 18 Gauge Frame, Deduct	*-132.16*	
		For 14 Gauge Frame, Add	*330.40*	
		For 12 Gauge Frame, Add	*502.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0107	EA	3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,608.99	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.31*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*161.05*	
		For Type 304 Stainless Steel Frame, Add	*2,429.07*	
		For Type 316 Stainless Steel Frame, Add	*2,831.69*	
		For Baked Enamel Finish, Add	*442.66*	
		For 18 Gauge Frame, Deduct	*-134.21*	
		For 14 Gauge Frame, Add	*335.52*	
		For 12 Gauge Frame, Add	*509.99*	
08 12 13 13-0108	EA	3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,714.53	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*215.14*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*172.11*	
		For Type 304 Stainless Steel Frame, Add	*2,595.70*	
		For Type 316 Stainless Steel Frame, Add	*3,025.98*	
		For Baked Enamel Finish, Add	*472.32*	
		For 18 Gauge Frame, Deduct	*-143.43*	
		For 14 Gauge Frame, Add	*358.57*	
		For 12 Gauge Frame, Add	*545.02*	
08 12 13 13-0109	EA	3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,727.87	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*215.14*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*172.11*	
		For Type 304 Stainless Steel Frame, Add	*2,596.37*	
		For Type 316 Stainless Steel Frame, Add	*3,026.65*	
		For Baked Enamel Finish, Add	*474.32*	
		For 18 Gauge Frame, Deduct	*-143.43*	
		For 14 Gauge Frame, Add	*358.57*	
		For 12 Gauge Frame, Add	*545.02*	
08 12 13 13-0110	EA	4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,792.45	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*222.83*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.26*	
		For Type 304 Stainless Steel Frame, Add	*2,689.25*	
		For Type 316 Stainless Steel Frame, Add	*3,134.90*	
		For Baked Enamel Finish, Add	*491.69*	
		For 18 Gauge Frame, Deduct	*-148.55*	
		For 14 Gauge Frame, Add	*371.38*	
		For 12 Gauge Frame, Add	*564.49*	
08 12 13 13-0111	EA	5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,857.02	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Type 304 Stainless Steel Frame, Add	*2,782.11*	
		For Type 316 Stainless Steel Frame, Add	*3,243.13*	
		For Baked Enamel Finish, Add	*509.06*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
08 12 13 13-0112	EA	5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,870.36	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Type 304 Stainless Steel Frame, Add	*2,782.78*	
		For Type 316 Stainless Steel Frame, Add	*3,243.79*	
		For Baked Enamel Finish, Add	*511.06*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
08 12 13 13-0113	EA	5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,902.65	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*187.48*	
		For Type 304 Stainless Steel Frame, Add	*2,829.21*	
		For Type 316 Stainless Steel Frame, Add	*3,297.91*	
		For Baked Enamel Finish, Add	*519.75*	
		For 18 Gauge Frame, Deduct	*-156.23*	
		For 14 Gauge Frame, Add	*390.58*	
		For 12 Gauge Frame, Add	*593.69*	
08 12 13 13-0114	EA	6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,934.93	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*238.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*190.55*	
		For Type 304 Stainless Steel Frame, Add	*2,875.64*	
		For Type 316 Stainless Steel Frame, Add	*3,352.02*	
		For Baked Enamel Finish, Add	*528.43*	
		For 18 Gauge Frame, Deduct	*-158.79*	
		For 14 Gauge Frame, Add	*396.99*	
		For 12 Gauge Frame, Add	*603.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0115	EA	7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,044.04	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*253.56*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*202.85*	
		For Type 304 Stainless Steel Frame, Add	*3,060.37*	
		For Type 316 Stainless Steel Frame, Add	*3,567.48*	
		For Baked Enamel Finish, Add	*560.16*	
		For 18 Gauge Frame, Deduct	*-169.04*	
		For 14 Gauge Frame, Add	*422.60*	
		For 12 Gauge Frame, Add	*642.34*	
08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,153.18	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*215.14*	
		For Type 304 Stainless Steel Frame, Add	*3,245.13*	
		For Type 316 Stainless Steel Frame, Add	*3,782.98*	
		For Baked Enamel Finish, Add	*591.90*	
		For 18 Gauge Frame, Deduct	*-179.28*	
		For 14 Gauge Frame, Add	*448.21*	
		For 12 Gauge Frame, Add	*681.28*	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0100)*

08 12 13 13-0118	EA	2' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,395.41	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*179.28*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*143.43*	
		For Type 304 Stainless Steel Frame, Add	*2,161.42*	
		For Type 316 Stainless Steel Frame, Add	*2,519.99*	
		For Baked Enamel Finish, Add	*388.60*	
		For 18 Gauge Frame, Deduct	*-119.52*	
		For 14 Gauge Frame, Add	*298.81*	
		For 12 Gauge Frame, Add	*454.19*	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,643.10	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*213.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*170.75*	
		For Type 304 Stainless Steel Frame, Add	*2,572.21*	
		For Type 316 Stainless Steel Frame, Add	*2,999.08*	
		For Baked Enamel Finish, Add	*459.90*	
		For 18 Gauge Frame, Deduct	*-142.29*	
		For 14 Gauge Frame, Add	*355.72*	
		For 12 Gauge Frame, Add	*540.70*	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,679.20	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*216.85*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*173.48*	
		For Type 304 Stainless Steel Frame, Add	*2,613.85*	
		For Type 316 Stainless Steel Frame, Add	*3,047.54*	
		For Baked Enamel Finish, Add	*468.73*	
		For 18 Gauge Frame, Deduct	*-144.57*	
		For 14 Gauge Frame, Add	*361.41*	
		For 12 Gauge Frame, Add	*549.35*	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,699.22	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*216.85*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*173.48*	
		For Type 304 Stainless Steel Frame, Add	*2,614.85*	
		For Type 316 Stainless Steel Frame, Add	*3,048.54*	
		For Baked Enamel Finish, Add	*471.73*	
		For 18 Gauge Frame, Deduct	*-144.57*	
		For 14 Gauge Frame, Add	*361.41*	
		For 12 Gauge Frame, Add	*549.35*	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,728.66	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*220.26*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*176.21*	
		For Type 304 Stainless Steel Frame, Add	*2,656.17*	
		For Type 316 Stainless Steel Frame, Add	*3,096.69*	
		For Baked Enamel Finish, Add	*479.56*	
		For 18 Gauge Frame, Deduct	*-146.84*	
		For 14 Gauge Frame, Add	*367.11*	
		For 12 Gauge Frame, Add	*558.00*	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,758.11	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*223.68*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.94*	
		For Type 304 Stainless Steel Frame, Add	*2,697.49*	
		For Type 316 Stainless Steel Frame, Add	*3,144.85*	
		For Baked Enamel Finish, Add	*487.40*	
		For 18 Gauge Frame, Deduct	*-149.12*	
		For 14 Gauge Frame, Add	*372.80*	
		For 12 Gauge Frame, Add	*566.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,873.90	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.05*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*191.24*	
		For Type 304 Stainless Steel Frame, Add	*2,882.57*	
		For Type 316 Stainless Steel Frame, Add	*3,360.66*	
		For Baked Enamel Finish, Add	*520.13*	
		For 18 Gauge Frame, Deduct	*-159.36*	
		For 14 Gauge Frame, Add	*398.41*	
		For 12 Gauge Frame, Add	*605.58*	
08 12 13 13-0125	EA	3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,887.24	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*239.05*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*191.24*	
		For Type 304 Stainless Steel Frame, Add	*2,883.23*	
		For Type 316 Stainless Steel Frame, Add	*3,361.32*	
		For Baked Enamel Finish, Add	*522.13*	
		For 18 Gauge Frame, Deduct	*-159.36*	
		For 14 Gauge Frame, Add	*398.41*	
		For 12 Gauge Frame, Add	*605.58*	
08 12 13 13-0126	EA	4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,957.50	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*247.58*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*198.07*	
		For Type 304 Stainless Steel Frame, Add	*2,986.34*	
		For Type 316 Stainless Steel Frame, Add	*3,481.50*	
		For Baked Enamel Finish, Add	*541.21*	
		For 18 Gauge Frame, Deduct	*-165.06*	
		For 14 Gauge Frame, Add	*412.64*	
		For 12 Gauge Frame, Add	*627.21*	
08 12 13 13-0127	EA	5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,027.77	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.12*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*204.90*	
		For Type 304 Stainless Steel Frame, Add	*3,089.46*	
		For Type 316 Stainless Steel Frame, Add	*3,601.70*	
		For Baked Enamel Finish, Add	*560.29*	
		For 18 Gauge Frame, Deduct	*-170.75*	
		For 14 Gauge Frame, Add	*426.87*	
		For 12 Gauge Frame, Add	*648.84*	
08 12 13 13-0128	EA	5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,041.11	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*256.12*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*204.90*	
		For Type 304 Stainless Steel Frame, Add	*3,090.13*	
		For Type 316 Stainless Steel Frame, Add	*3,602.37*	
		For Baked Enamel Finish, Add	*562.29*	
		For 18 Gauge Frame, Deduct	*-170.75*	
		For 14 Gauge Frame, Add	*426.87*	
		For 12 Gauge Frame, Add	*648.84*	
08 12 13 13-0129	EA	5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,076.24	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*260.39*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*208.31*	
		For Type 304 Stainless Steel Frame, Add	*3,141.67*	
		For Type 316 Stainless Steel Frame, Add	*3,662.45*	
		For Baked Enamel Finish, Add	*571.82*	
		For 18 Gauge Frame, Deduct	*-173.59*	
		For 14 Gauge Frame, Add	*433.98*	
		For 12 Gauge Frame, Add	*659.65*	
08 12 13 13-0130	EA	6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,111.37	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*264.66*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*211.73*	
		For Type 304 Stainless Steel Frame, Add	*3,193.23*	
		For Type 316 Stainless Steel Frame, Add	*3,722.55*	
		For Baked Enamel Finish, Add	*581.36*	
		For 18 Gauge Frame, Deduct	*-176.44*	
		For 14 Gauge Frame, Add	*441.10*	
		For 12 Gauge Frame, Add	*670.46*	
08 12 13 13-0131	EA	7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,231.85	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.73*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*225.38*	
		For Type 304 Stainless Steel Frame, Add	*3,398.43*	
		For Type 316 Stainless Steel Frame, Add	*3,961.88*	
		For Baked Enamel Finish, Add	*616.51*	
		For 18 Gauge Frame, Deduct	*-187.82*	
		For 14 Gauge Frame, Add	*469.55*	
		For 12 Gauge Frame, Add	*713.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0132	EA	8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,352.38	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*298.81*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*239.04*	
		For Type 304 Stainless Steel Frame, Add	*3,603.69*	
		For Type 316 Stainless Steel Frame, Add	*4,201.30*	
		For Baked Enamel Finish, Add	*651.66*	
		For 18 Gauge Frame, Deduct	*-199.20*	
		For 14 Gauge Frame, Add	*498.01*	
		For 12 Gauge Frame, Add	*756.98*	

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13)*

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*

08 12 13 13-0135	EA	2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,325.92	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*168.86*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*135.09*	
		For Type 304 Stainless Steel Frame, Add	*2,036.34*	
		For Type 316 Stainless Steel Frame, Add	*2,374.06*	
		For Baked Enamel Finish, Add	*367.75*	
		For 18 Gauge Frame, Deduct	*-112.57*	
		For 14 Gauge Frame, Add	*281.44*	
		For 12 Gauge Frame, Add	*427.78*	
08 12 13 13-0136	EA	2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,560.37	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*201.02*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*160.82*	
		For Type 304 Stainless Steel Frame, Add	*2,423.30*	
		For Type 316 Stainless Steel Frame, Add	*2,825.35*	
		For Baked Enamel Finish, Add	*435.08*	
		For 18 Gauge Frame, Deduct	*-134.02*	
		For 14 Gauge Frame, Add	*335.04*	
		For 12 Gauge Frame, Add	*509.26*	
08 12 13 13-0137	EA	2'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,595.16	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.39*	
		For Type 304 Stainless Steel Frame, Add	*2,462.58*	
		For Type 316 Stainless Steel Frame, Add	*2,871.06*	
		For Baked Enamel Finish, Add	*443.52*	
		For 18 Gauge Frame, Deduct	*-136.16*	
		For 14 Gauge Frame, Add	*340.40*	
		For 12 Gauge Frame, Add	*517.41*	
08 12 13 13-0138	EA	2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,615.18	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*204.24*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*163.39*	
		For Type 304 Stainless Steel Frame, Add	*2,463.58*	
		For Type 316 Stainless Steel Frame, Add	*2,872.06*	
		For Baked Enamel Finish, Add	*446.52*	
		For 18 Gauge Frame, Deduct	*-136.16*	
		For 14 Gauge Frame, Add	*340.40*	
		For 12 Gauge Frame, Add	*517.41*	
08 12 13 13-0139	EA	2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,643.29	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*207.46*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*165.97*	
		For Type 304 Stainless Steel Frame, Add	*2,502.50*	
		For Type 316 Stainless Steel Frame, Add	*2,917.42*	
		For Baked Enamel Finish, Add	*453.95*	
		For 18 Gauge Frame, Deduct	*-138.31*	
		For 14 Gauge Frame, Add	*345.76*	
		For 12 Gauge Frame, Add	*525.56*	
08 12 13 13-0140	EA	3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,671.41	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*210.67*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*168.54*	
		For Type 304 Stainless Steel Frame, Add	*2,541.43*	
		For Type 316 Stainless Steel Frame, Add	*2,962.78*	
		For Baked Enamel Finish, Add	*461.39*	
		For 18 Gauge Frame, Deduct	*-140.45*	
		For 14 Gauge Frame, Add	*351.12*	
		For 12 Gauge Frame, Add	*533.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0141	EA	3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,781.24	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*225.15*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*180.12*	
		For Type 304 Stainless Steel Frame, Add	*2,715.78*	
		For Type 316 Stainless Steel Frame, Add	*3,166.07*	
		For Baked Enamel Finish, Add	*492.33*	
		For 18 Gauge Frame, Deduct	*-150.10*	
		For 14 Gauge Frame, Add	*375.25*	
		For 12 Gauge Frame, Add	*570.37*	
08 12 13 13-0142	EA	3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,794.58	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*225.15*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*180.12*	
		For Type 304 Stainless Steel Frame, Add	*2,716.44*	
		For Type 316 Stainless Steel Frame, Add	*3,166.74*	
		For Baked Enamel Finish, Add	*494.33*	
		For 18 Gauge Frame, Deduct	*-150.10*	
		For 14 Gauge Frame, Add	*375.25*	
		For 12 Gauge Frame, Add	*570.37*	
08 12 13 13-0143	EA	4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,861.54	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*233.19*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*186.55*	
		For Type 304 Stainless Steel Frame, Add	*2,813.61*	
		For Type 316 Stainless Steel Frame, Add	*3,279.99*	
		For Baked Enamel Finish, Add	*512.42*	
		For 18 Gauge Frame, Deduct	*-155.46*	
		For 14 Gauge Frame, Add	*388.65*	
		For 12 Gauge Frame, Add	*590.74*	
08 12 13 13-0144	EA	5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,928.50	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.23*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*192.98*	
		For Type 304 Stainless Steel Frame, Add	*2,910.78*	
		For Type 316 Stainless Steel Frame, Add	*3,393.24*	
		For Baked Enamel Finish, Add	*530.51*	
		For 18 Gauge Frame, Deduct	*-160.82*	
		For 14 Gauge Frame, Add	*402.05*	
		For 12 Gauge Frame, Add	*611.12*	
08 12 13 13-0145	EA	5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,941.84	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*241.23*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*192.98*	
		For Type 304 Stainless Steel Frame, Add	*2,911.44*	
		For Type 316 Stainless Steel Frame, Add	*3,393.90*	
		For Baked Enamel Finish, Add	*532.51*	
		For 18 Gauge Frame, Deduct	*-160.82*	
		For 14 Gauge Frame, Add	*402.05*	
		For 12 Gauge Frame, Add	*611.12*	
08 12 13 13-0146	EA	5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,975.32	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*245.25*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*196.20*	
		For Type 304 Stainless Steel Frame, Add	*2,960.02*	
		For Type 316 Stainless Steel Frame, Add	*3,450.52*	
		For Baked Enamel Finish, Add	*541.55*	
		For 18 Gauge Frame, Deduct	*-163.50*	
		For 14 Gauge Frame, Add	*408.75*	
		For 12 Gauge Frame, Add	*621.30*	
08 12 13 13-0147	EA	6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,008.79	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*249.27*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*199.42*	
		For Type 304 Stainless Steel Frame, Add	*3,008.59*	
		For Type 316 Stainless Steel Frame, Add	*3,507.13*	
		For Baked Enamel Finish, Add	*550.59*	
		For 18 Gauge Frame, Deduct	*-166.18*	
		For 14 Gauge Frame, Add	*415.45*	
		For 12 Gauge Frame, Add	*631.48*	
08 12 13 13-0148	EA	7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,122.66	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*265.35*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*212.28*	
		For Type 304 Stainless Steel Frame, Add	*3,201.88*	
		For Type 316 Stainless Steel Frame, Add	*3,732.58*	
		For Baked Enamel Finish, Add	*583.75*	
		For 18 Gauge Frame, Deduct	*-176.90*	
		For 14 Gauge Frame, Add	*442.25*	
		For 12 Gauge Frame, Add	*672.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0149	EA	8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,236.57	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*281.43*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*225.15*	
		For Type 304 Stainless Steel Frame, Add	*3,395.23*	
		For Type 316 Stainless Steel Frame, Add	*3,958.10*	
		For Baked Enamel Finish, Add	*616.92*	
		For 18 Gauge Frame, Deduct	*-187.62*	
		For 14 Gauge Frame, Add	*469.06*	
		For 12 Gauge Frame, Add	*712.97*	
08 12 13 13-0150		>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames *(08 12 13 13-0133)*		
08 12 13 13-0151	EA	2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,451.00	100.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*187.62*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*150.10*	
		For Type 304 Stainless Steel Frame, Add	*2,261.49*	
		For Type 316 Stainless Steel Frame, Add	*2,636.73*	
		For Baked Enamel Finish, Add	*405.27*	
		For 18 Gauge Frame, Deduct	*-125.08*	
		For 14 Gauge Frame, Add	*312.71*	
		For 12 Gauge Frame, Add	*475.31*	
08 12 13 13-0152	EA	2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,709.28	110.10
		For Auxiliary Frame Reinforcement For Hinges, Add	*223.36*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*178.69*	
		For Type 304 Stainless Steel Frame, Add	*2,691.34*	
		For Type 316 Stainless Steel Frame, Add	*3,138.06*	
		For Baked Enamel Finish, Add	*479.75*	
		For 18 Gauge Frame, Deduct	*-148.91*	
		For 14 Gauge Frame, Add	*372.27*	
		For 12 Gauge Frame, Add	*565.85*	
08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,746.44	116.77
		For Auxiliary Frame Reinforcement For Hinges, Add	*226.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*181.55*	
		For Type 304 Stainless Steel Frame, Add	*2,734.88*	
		For Type 316 Stainless Steel Frame, Add	*3,188.75*	
		For Baked Enamel Finish, Add	*488.90*	
		For 18 Gauge Frame, Deduct	*-151.29*	
		For 14 Gauge Frame, Add	*378.22*	
		For 12 Gauge Frame, Add	*574.90*	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,766.46	126.78
		For Auxiliary Frame Reinforcement For Hinges, Add	*226.93*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*181.55*	
		For Type 304 Stainless Steel Frame, Add	*2,735.88*	
		For Type 316 Stainless Steel Frame, Add	*3,189.75*	
		For Baked Enamel Finish, Add	*491.90*	
		For 18 Gauge Frame, Deduct	*-151.29*	
		For 14 Gauge Frame, Add	*378.22*	
		For 12 Gauge Frame, Add	*574.90*	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,796.96	130.12
		For Auxiliary Frame Reinforcement For Hinges, Add	*230.51*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*184.41*	
		For Type 304 Stainless Steel Frame, Add	*2,779.11*	
		For Type 316 Stainless Steel Frame, Add	*3,240.12*	
		For Baked Enamel Finish, Add	*500.05*	
		For 18 Gauge Frame, Deduct	*-153.67*	
		For 14 Gauge Frame, Add	*384.18*	
		For 12 Gauge Frame, Add	*583.95*	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,827.47	133.46
		For Auxiliary Frame Reinforcement For Hinges, Add	*234.08*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*187.27*	
		For Type 304 Stainless Steel Frame, Add	*2,822.34*	
		For Type 316 Stainless Steel Frame, Add	*3,290.50*	
		For Baked Enamel Finish, Add	*508.20*	
		For 18 Gauge Frame, Deduct	*-156.06*	
		For 14 Gauge Frame, Add	*390.14*	
		For 12 Gauge Frame, Add	*593.01*	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,948.02	140.13
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Type 304 Stainless Steel Frame, Add	*3,015.98*	
		For Type 316 Stainless Steel Frame, Add	*3,516.31*	
		For Baked Enamel Finish, Add	*542.37*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,961.36	146.81
		For Auxiliary Frame Reinforcement For Hinges, Add	*250.16*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*200.13*	
		For Type 304 Stainless Steel Frame, Add	*3,016.65*	
		For Type 316 Stainless Steel Frame, Add	*3,516.98*	
		For Baked Enamel Finish, Add	*544.37*	
		For 18 Gauge Frame, Deduct	*-166.78*	
		For 14 Gauge Frame, Add	*416.94*	
		For 12 Gauge Frame, Add	*633.75*	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,034.27	153.47
		For Auxiliary Frame Reinforcement For Hinges, Add	*259.10*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*207.28*	
		For Type 304 Stainless Steel Frame, Add	*3,124.52*	
		For Type 316 Stainless Steel Frame, Add	*3,642.72*	
		For Baked Enamel Finish, Add	*564.24*	
		For 18 Gauge Frame, Deduct	*-172.73*	
		For 14 Gauge Frame, Add	*431.83*	
		For 12 Gauge Frame, Add	*656.38*	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,107.18	160.15
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.03*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*214.43*	
		For Type 304 Stainless Steel Frame, Add	*3,232.40*	
		For Type 316 Stainless Steel Frame, Add	*3,768.46*	
		For Baked Enamel Finish, Add	*584.11*	
		For 18 Gauge Frame, Deduct	*-178.69*	
		For 14 Gauge Frame, Add	*446.72*	
		For 12 Gauge Frame, Add	*679.01*	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,120.52	166.82
		For Auxiliary Frame Reinforcement For Hinges, Add	*268.03*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*214.43*	
		For Type 304 Stainless Steel Frame, Add	*3,233.07*	
		For Type 316 Stainless Steel Frame, Add	*3,769.13*	
		For Baked Enamel Finish, Add	*586.11*	
		For 18 Gauge Frame, Deduct	*-178.69*	
		For 14 Gauge Frame, Add	*446.72*	
		For 12 Gauge Frame, Add	*679.01*	
08 12 13 13-0162	EA	5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,156.99	170.16
		For Auxiliary Frame Reinforcement For Hinges, Add	*272.50*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*218.00*	
		For Type 304 Stainless Steel Frame, Add	*3,287.02*	
		For Type 316 Stainless Steel Frame, Add	*3,832.02*	
		For Baked Enamel Finish, Add	*596.05*	
		For 18 Gauge Frame, Deduct	*-181.67*	
		For 14 Gauge Frame, Add	*454.17*	
		For 12 Gauge Frame, Add	*690.33*	
08 12 13 13-0163	EA	6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,193.44	173.50
		For Auxiliary Frame Reinforcement For Hinges, Add	*276.97*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*221.57*	
		For Type 304 Stainless Steel Frame, Add	*3,340.96*	
		For Type 316 Stainless Steel Frame, Add	*3,894.89*	
		For Baked Enamel Finish, Add	*605.98*	
		For 18 Gauge Frame, Deduct	*-184.65*	
		For 14 Gauge Frame, Add	*461.61*	
		For 12 Gauge Frame, Add	*701.65*	
08 12 13 13-0164	EA	7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,319.21	176.83
		For Auxiliary Frame Reinforcement For Hinges, Add	*294.83*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*235.87*	
		For Type 304 Stainless Steel Frame, Add	*3,555.67*	
		For Type 316 Stainless Steel Frame, Add	*4,145.34*	
		For Baked Enamel Finish, Add	*642.71*	
		For 18 Gauge Frame, Deduct	*-196.56*	
		For 14 Gauge Frame, Add	*491.39*	
		For 12 Gauge Frame, Add	*746.91*	
08 12 13 13-0165	EA	8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	2,445.04	180.17
		For Auxiliary Frame Reinforcement For Hinges, Add	*312.71*	
		For Welded Frames, Add	*331.63*	
		For Galvanized Frames, Add	*250.16*	
		For Type 304 Stainless Steel Frame, Add	*3,770.48*	
		For Type 316 Stainless Steel Frame, Add	*4,395.89*	
		For Baked Enamel Finish, Add	*679.46*	
		For 18 Gauge Frame, Deduct	*-208.47*	
		For 14 Gauge Frame, Add	*521.18*	
		For 12 Gauge Frame, Add	*792.19*	

08 12 13 13-0166 Sidelights And Transoms *(08 12 13 13)*
Note: For non-rated or fire rated frame assemblies

08 12 13 13-0167 Fixed Steel Transoms *(08 12 13 13-0166)*
Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0168	SF	4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	138.61	18.69
		For Movable Frame, Add	*27.72*	
		For 18 Gauge Frame, Deduct	*-10.12*	
		For 14 Gauge Frame, Add	*25.31*	
		For 12 Gauge Frame, Add	*38.47*	
08 12 13 13-0169	SF	5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	144.92	19.35
		For Movable Frame, Add	*28.98*	
		For 18 Gauge Frame, Deduct	*-10.62*	
		For 14 Gauge Frame, Add	*26.56*	
		For 12 Gauge Frame, Add	*40.36*	
08 12 13 13-0170	SF	6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom	151.61	20.02
		For Movable Frame, Add	*30.32*	
		For 18 Gauge Frame, Deduct	*-11.16*	
		For 14 Gauge Frame, Add	*27.89*	
		For 12 Gauge Frame, Add	*42.40*	
08 12 13 13-0171		**Operable Steel Transom Sash** *(08 12 13 13-0166)*		
		Note: Includes hardware.		
08 12 13 13-0172	SF	4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	207.00	18.69
		For 18 Gauge Frame, Deduct	*-16.96*	
		For 14 Gauge Frame, Add	*42.41*	
		For 12 Gauge Frame, Add	*64.46*	
08 12 13 13-0173	SF	5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	216.83	19.35
		For 18 Gauge Frame, Deduct	*-17.81*	
		For 14 Gauge Frame, Add	*44.53*	
		For 12 Gauge Frame, Add	*67.69*	
08 12 13 13-0174	SF	6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash	227.06	20.02
		For 18 Gauge Frame, Deduct	*-18.70*	
		For 14 Gauge Frame, Add	*46.76*	
		For 12 Gauge Frame, Add	*71.07*	
08 12 13 13-0175		**Sidelights, Steel Frame** *(08 12 13 13-0166)*		
		Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF	4-3/4" Deep Sidelights, 16 Gauge Frame	146.15	18.69
		For 18 Gauge Frame, Deduct	*-10.88*	
		For 14 Gauge Frame, Add	*27.20*	
		For 12 Gauge Frame, Add	*41.34*	
08 12 13 13-0177	SF	5-3/4" Deep Sidelights, 16 Gauge Frame	152.94	19.35
		For 18 Gauge Frame, Deduct	*-11.42*	
		For 14 Gauge Frame, Add	*28.56*	
		For 12 Gauge Frame, Add	*43.41*	
08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	159.96	20.02
		For 18 Gauge Frame, Deduct	*-11.99*	
		For 14 Gauge Frame, Add	*29.98*	
		For 12 Gauge Frame, Add	*45.57*	
08 12 13 13-0179		**Sundry Hollow Metal Frame Sections** *(08 12 13 13)*		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0180		**16 Gauge, Hollow Metal Frame Vertical Mullions** *(08 12 13 13-0179)*		
08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.06	7.47
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.82*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.84	7.47
		For 18 Gauge Frame, Deduct	*-2.00*	
		For 14 Gauge Frame, Add	*5.01*	
		For 12 Gauge Frame, Add	*7.62*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	38.60	7.74
		For 18 Gauge Frame, Deduct	*-1.93*	
		For 14 Gauge Frame, Add	*4.82*	
		For 12 Gauge Frame, Add	*7.32*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.80	7.74
		For 18 Gauge Frame, Deduct	*-2.05*	
		For 14 Gauge Frame, Add	*5.12*	
		For 12 Gauge Frame, Add	*7.77*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.99	7.88
		For 18 Gauge Frame, Deduct	*-2.02*	
		For 14 Gauge Frame, Add	*5.06*	
		For 12 Gauge Frame, Add	*7.68*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.45	7.88
		For 18 Gauge Frame, Deduct	*-2.07*	
		For 14 Gauge Frame, Add	*5.17*	
		For 12 Gauge Frame, Add	*7.86*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0187		16 Gauge, Hollow Metal Frame Horizontal Rails *(08 12 13 13-0179)*		
08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	28.43	7.47
		For 18 Gauge Frame, Deduct	*-0.96*	
		For 14 Gauge Frame, Add	*2.41*	
		For 12 Gauge Frame, Add	*3.66*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.41	7.47
		For 18 Gauge Frame, Deduct	*-1.06*	
		For 14 Gauge Frame, Add	*2.65*	
		For 12 Gauge Frame, Add	*4.03*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	28.97	7.74
		For 18 Gauge Frame, Deduct	*-0.96*	
		For 14 Gauge Frame, Add	*2.41*	
		For 12 Gauge Frame, Add	*3.66*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.95	7.74
		For 18 Gauge Frame, Deduct	*-1.06*	
		For 14 Gauge Frame, Add	*2.65*	
		For 12 Gauge Frame, Add	*4.03*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.88	7.88
		For 18 Gauge Frame, Deduct	*-1.01*	
		For 14 Gauge Frame, Add	*2.53*	
		For 12 Gauge Frame, Add	*3.84*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.73	7.88
		For 18 Gauge Frame, Deduct	*-1.10*	
		For 14 Gauge Frame, Add	*2.74*	
		For 12 Gauge Frame, Add	*4.16*	
		For 3 Hour Frame, Add	*8.00*	
		For 1-1/2 Hour Frame, Add	*5.00*	
		For 3/4 Hour Frame, Add	*4.00*	
08 12 13 13-0194		16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullions *(08 12 13 13-0179)*		
08 12 13 13-0195	EA	4-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	894.95	52.31
		For 18 Gauge Frame, Deduct	*-76.42*	
		For 14 Gauge Frame, Add	*191.04*	
		For 12 Gauge Frame, Add	*290.38*	
08 12 13 13-0196	EA	4-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	925.43	52.31
		For 18 Gauge Frame, Deduct	*-79.47*	
		For 14 Gauge Frame, Add	*198.66*	
		For 12 Gauge Frame, Add	*301.97*	
08 12 13 13-0197	EA	5-1/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,021.98	54.72
		For 18 Gauge Frame, Deduct	*-88.72*	
		For 14 Gauge Frame, Add	*221.80*	
		For 12 Gauge Frame, Add	*337.13*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0198	EA	5-1/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,049.19	54.72
		For 18 Gauge Frame, Deduct	*-91.44*	
		For 14 Gauge Frame, Add	*228.60*	
		For 12 Gauge Frame, Add	*347.47*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0199	EA	6-3/4" x 1-3/4" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,182.97	56.05
		For 18 Gauge Frame, Deduct	*-104.28*	
		For 14 Gauge Frame, Add	*260.71*	
		For 12 Gauge Frame, Add	*396.28*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	
08 12 13 13-0200	EA	6-3/4" x 2" x 7'-6", 16 Gauge, Hollow Metal Frame Keyed Removable Vertical Mullion	1,201.48	56.05
		For 18 Gauge Frame, Deduct	*-106.14*	
		For 14 Gauge Frame, Add	*265.34*	
		For 12 Gauge Frame, Add	*403.31*	
		For 3 Hour Frame, Add	*56.00*	
		For 1-1/2 Hour Frame, Add	*36.00*	
		For 3/4 Hour Frame, Add	*28.00*	

08 12 13 13-0201 Metal Frames Accessories *(08 12 13 13)*

08 12 13 13-0202	EA	For 1' Extension Of New Door Frame	34.56	

08 12 16 Aluminum Frames *(08 12)*

08 12 16 00-0001 Aluminum Door Frames *(08 12 16)*

08 12 16 00-0002 4-7/8" Deep, Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0003	EA	2'-10" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	714.53	130.12
08 12 16 00-0004	EA	4' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	817.58	153.47
08 12 16 00-0005	EA	6' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	766.87	173.50
08 12 16 00-0006	EA	7' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	800.63	176.83
08 12 16 00-0007	EA	3' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	728.25	133.46
08 12 16 00-0008	EA	3'-4" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	773.28	140.13
08 12 16 00-0009	EA	8' x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	1,308.46	180.17
08 12 16 00-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-7/8" Deep, Aluminum Door Frame	786.62	146.81

08 12 16 00-0011 5-1/4" Deep, Aluminum Door Frames *(08 12 16 00-0001)*

08 12 16 00-0012	EA	6' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	953.49	173.50
08 12 16 00-0013	EA	2'-10" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	765.00	130.12
08 12 16 00-0014	EA	3' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	779.51	133.46
08 12 16 00-0015	EA	7' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	999.29	176.83
08 12 16 00-0016	EA	8' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	1,045.10	180.17
08 12 16 00-0017	EA	3'-4" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	828.06	140.13
08 12 16 00-0018	EA	3'-6" x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	841.40	146.81
08 12 16 00-0019	EA	4' x 6'-8" Through 7'-2" High, 5-1/4" Deep, Aluminum Door Frame	874.32	153.47

08 13 Metal Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 13 13 Hollow Metal Doors *(08 13)*

08 13 13 13 Standard Hollow Metal Doors *(08 13 13)*

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy-Duty; 16 Gauge, Level 3 Extra Heavy-Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0002 6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	590.73	73.40
		For Galvanized Steel Door, Add	*88.78*	
		For Type 304 Stainless Steel Door, Add	*355.14*	
		For Type 316 Stainless Steel Door, Add	*577.10*	
		For Embossed Panel Door, Add	*106.54*	
		For Baked Enamel Finish, Add	*155.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.21*	
		For >100, Deduct	*-47.98*	
		For Polystyrene Core, Add	*44.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.98*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	590.73	73.40
		For Galvanized Steel Door, Add	*88.78*	
		For Type 304 Stainless Steel Door, Add	*355.14*	
		For Type 316 Stainless Steel Door, Add	*577.10*	
		For Embossed Panel Door, Add	*106.54*	
		For Baked Enamel Finish, Add	*155.20*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.21*	
		For >100, Deduct	*-47.98*	
		For Polystyrene Core, Add	*44.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*110.98*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*55.49*	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	606.47	76.74
		For Galvanized Steel Door, Add	*90.60*	
		For Type 304 Stainless Steel Door, Add	*362.40*	
		For Type 316 Stainless Steel Door, Add	*588.90*	
		For Embossed Panel Door, Add	*108.72*	
		For Baked Enamel Finish, Add	*158.92*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.16*	
		For >100, Deduct	*-49.32*	
		For Polystyrene Core, Add	*45.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.25*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.63*	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	613.23	76.74
		For Galvanized Steel Door, Add	*91.95*	
		For Type 304 Stainless Steel Door, Add	*367.81*	
		For Type 316 Stainless Steel Door, Add	*597.69*	
		For Embossed Panel Door, Add	*110.34*	
		For Baked Enamel Finish, Add	*160.95*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.50*	
		For >100, Deduct	*-49.83*	
		For Polystyrene Core, Add	*45.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*114.94*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.47*	
08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	619.28	78.40
		For Galvanized Steel Door, Add	*92.49*	
		For Type 304 Stainless Steel Door, Add	*369.98*	
		For Type 316 Stainless Steel Door, Add	*601.21*	
		For Embossed Panel Door, Add	*110.99*	
		For Baked Enamel Finish, Add	*162.26*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.88*	
		For >100, Deduct	*-50.37*	
		For Polystyrene Core, Add	*46.25*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*115.62*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*57.81*	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	625.32	80.07
		For Galvanized Steel Door, Add	*93.03*	
		For Type 304 Stainless Steel Door, Add	*372.14*	
		For Type 316 Stainless Steel Door, Add	*604.72*	
		For Embossed Panel Door, Add	*111.64*	
		For Baked Enamel Finish, Add	*163.57*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.27*	
		For >100, Deduct	*-50.90*	
		For Polystyrene Core, Add	*46.52*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.29*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	660.48	80.07
		For Galvanized Steel Door, Add	*100.07*	
		For Type 304 Stainless Steel Door, Add	*400.26*	
		For Type 316 Stainless Steel Door, Add	*650.43*	
		For Embossed Panel Door, Add	*120.08*	
		For Baked Enamel Finish, Add	*174.12*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.03*	
		For >100, Deduct	*-53.54*	
		For Polystyrene Core, Add	*50.03*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.08*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.54*	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	680.68	83.41
		For Galvanized Steel Door, Add	*102.77*	
		For Type 304 Stainless Steel Door, Add	*411.09*	
		For Type 316 Stainless Steel Door, Add	*668.02*	
		For Embossed Panel Door, Add	*123.33*	
		For Baked Enamel Finish, Add	*179.18*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.20*	
		For >100, Deduct	*-55.22*	
		For Polystyrene Core, Add	*51.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.47*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.23*	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	748.11	90.08
		For Galvanized Steel Door, Add	*113.59*	
		For Type 304 Stainless Steel Door, Add	*454.35*	
		For Type 316 Stainless Steel Door, Add	*738.32*	
		For Embossed Panel Door, Add	*136.31*	
		For Baked Enamel Finish, Add	*197.41*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.91*	
		For >100, Deduct	*-60.61*	
		For Polystyrene Core, Add	*56.79*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*141.99*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*70.99*	

08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0013	EA	2' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	602.37	73.40
		For Galvanized Steel Door, Add	*91.11*	
		For Type 304 Stainless Steel Door, Add	*364.45*	
		For Type 316 Stainless Steel Door, Add	*592.23*	
		For Embossed Panel Door, Add	*109.33*	
		For Baked Enamel Finish, Add	*158.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.79*	
		For >100, Deduct	*-48.85*	
		For Polystyrene Core, Add	*45.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.95*	
08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	602.37	73.40
		For Galvanized Steel Door, Add	*91.11*	
		For Type 304 Stainless Steel Door, Add	*364.45*	
		For Type 316 Stainless Steel Door, Add	*592.23*	
		For Embossed Panel Door, Add	*109.33*	
		For Baked Enamel Finish, Add	*158.69*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-33.79*	
		For >100, Deduct	*-48.85*	
		For Polystyrene Core, Add	*45.56*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*113.89*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*56.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	618.34	76.74
		For Galvanized Steel Door, Add	*92.97*	
		For Type 304 Stainless Steel Door, Add	*371.90*	
		For Type 316 Stainless Steel Door, Add	*604.33*	
		For Embossed Panel Door, Add	*111.57*	
		For Baked Enamel Finish, Add	*162.48*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.75*	
		For >100, Deduct	*-50.21*	
		For Polystyrene Core, Add	*46.49*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.11*	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	625.28	76.74
		For Galvanized Steel Door, Add	*94.36*	
		For Type 304 Stainless Steel Door, Add	*377.45*	
		For Type 316 Stainless Steel Door, Add	*613.35*	
		For Embossed Panel Door, Add	*113.23*	
		For Baked Enamel Finish, Add	*164.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.10*	
		For >100, Deduct	*-50.73*	
		For Polystyrene Core, Add	*47.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*117.95*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.98*	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	631.40	78.40
		For Galvanized Steel Door, Add	*94.92*	
		For Type 304 Stainless Steel Door, Add	*379.67*	
		For Type 316 Stainless Steel Door, Add	*616.97*	
		For Embossed Panel Door, Add	*113.90*	
		For Baked Enamel Finish, Add	*165.90*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.49*	
		For >100, Deduct	*-51.28*	
		For Polystyrene Core, Add	*47.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*118.65*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.32*	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	637.51	80.07
		For Galvanized Steel Door, Add	*95.47*	
		For Type 304 Stainless Steel Door, Add	*381.89*	
		For Type 316 Stainless Steel Door, Add	*620.57*	
		For Embossed Panel Door, Add	*114.57*	
		For Baked Enamel Finish, Add	*167.23*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.88*	
		For >100, Deduct	*-51.82*	
		For Polystyrene Core, Add	*47.74*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.34*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.67*	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	673.59	80.07
		For Galvanized Steel Door, Add	*102.69*	
		For Type 304 Stainless Steel Door, Add	*410.75*	
		For Type 316 Stainless Steel Door, Add	*667.47*	
		For Embossed Panel Door, Add	*123.23*	
		For Baked Enamel Finish, Add	*178.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.68*	
		For >100, Deduct	*-54.52*	
		For Polystyrene Core, Add	*51.34*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.36*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.18*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	694.14	83.41
		For Galvanized Steel Door, Add	*105.46*	
		For Type 304 Stainless Steel Door, Add	*421.86*	
		For Type 316 Stainless Steel Door, Add	*685.52*	
		For Embossed Panel Door, Add	*126.56*	
		For Baked Enamel Finish, Add	*183.22*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.88*	
		For >100, Deduct	*-56.23*	
		For Polystyrene Core, Add	*52.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*131.83*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.92*	
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	763.00	90.08
		For Galvanized Steel Door, Add	*116.57*	
		For Type 304 Stainless Steel Door, Add	*466.26*	
		For Type 316 Stainless Steel Door, Add	*757.68*	
		For Embossed Panel Door, Add	*139.88*	
		For Baked Enamel Finish, Add	*201.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.65*	
		For >100, Deduct	*-61.73*	
		For Polystyrene Core, Add	*58.28*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*145.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*72.85*	

08 13 13 13-0022 7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0001)*

08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	613.66	73.40
		For Galvanized Steel Door, Add	*93.37*	
		For Type 304 Stainless Steel Door, Add	*373.48*	
		For Type 316 Stainless Steel Door, Add	*606.91*	
		For Embossed Panel Door, Add	*112.04*	
		For Baked Enamel Finish, Add	*162.08*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.35*	
		For >100, Deduct	*-49.69*	
		For Polystyrene Core, Add	*46.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.36*	
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	613.66	73.40
		For Galvanized Steel Door, Add	*93.37*	
		For Type 304 Stainless Steel Door, Add	*373.48*	
		For Type 316 Stainless Steel Door, Add	*606.91*	
		For Embossed Panel Door, Add	*112.04*	
		For Baked Enamel Finish, Add	*162.08*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-34.35*	
		For >100, Deduct	*-49.69*	
		For Polystyrene Core, Add	*46.69*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*116.71*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*58.36*	
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	629.87	76.74
		For Galvanized Steel Door, Add	*95.28*	
		For Type 304 Stainless Steel Door, Add	*381.12*	
		For Type 316 Stainless Steel Door, Add	*619.32*	
		For Embossed Panel Door, Add	*114.34*	
		For Baked Enamel Finish, Add	*165.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.33*	
		For >100, Deduct	*-51.08*	
		For Polystyrene Core, Add	*47.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	636.98	76.74
		For Galvanized Steel Door, Add	*96.70*	
		For Type 304 Stainless Steel Door, Add	*386.81*	
		For Type 316 Stainless Steel Door, Add	*628.56*	
		For Embossed Panel Door, Add	*116.04*	
		For Baked Enamel Finish, Add	*168.07*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.69*	
		For >100, Deduct	*-51.61*	
		For Polystyrene Core, Add	*48.35*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*120.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.44*	
08 13 13 13-0027	EA	2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	643.16	78.40
		For Galvanized Steel Door, Add	*97.27*	
		For Type 304 Stainless Steel Door, Add	*389.08*	
		For Type 316 Stainless Steel Door, Add	*632.26*	
		For Embossed Panel Door, Add	*116.72*	
		For Baked Enamel Finish, Add	*169.43*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.08*	
		For >100, Deduct	*-52.16*	
		For Polystyrene Core, Add	*48.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*121.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*60.79*	
08 13 13 13-0028	EA	3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	649.35	80.07
		For Galvanized Steel Door, Add	*97.84*	
		For Type 304 Stainless Steel Door, Add	*391.36*	
		For Type 316 Stainless Steel Door, Add	*635.96*	
		For Embossed Panel Door, Add	*117.41*	
		For Baked Enamel Finish, Add	*170.78*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.47*	
		For >100, Deduct	*-52.71*	
		For Polystyrene Core, Add	*48.92*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.15*	
08 13 13 13-0029	EA	3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	686.32	80.07
		For Galvanized Steel Door, Add	*105.23*	
		For Type 304 Stainless Steel Door, Add	*420.94*	
		For Type 316 Stainless Steel Door, Add	*684.02*	
		For Embossed Panel Door, Add	*126.28*	
		For Baked Enamel Finish, Add	*181.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.32*	
		For >100, Deduct	*-55.48*	
		For Polystyrene Core, Add	*52.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*131.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.77*	
08 13 13 13-0030	EA	3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	707.22	83.41
		For Galvanized Steel Door, Add	*108.08*	
		For Type 304 Stainless Steel Door, Add	*432.32*	
		For Type 316 Stainless Steel Door, Add	*702.52*	
		For Embossed Panel Door, Add	*129.70*	
		For Baked Enamel Finish, Add	*187.14*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.53*	
		For >100, Deduct	*-57.21*	
		For Polystyrene Core, Add	*54.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*135.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*67.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0031	EA	4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	777.45	90.08
		For Galvanized Steel Door, Add	*119.46*	
		For Type 304 Stainless Steel Door, Add	*477.82*	
		For Type 316 Stainless Steel Door, Add	*776.46*	
		For Embossed Panel Door, Add	*143.35*	
		For Baked Enamel Finish, Add	*206.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-43.38*	
		For >100, Deduct	*-62.81*	
		For Polystyrene Core, Add	*59.73*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.66*	
08 13 13 13-0032		18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*		
08 13 13 13-0033		6'-8" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*		
08 13 13 13-0034	EA	2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	626.65	73.40
		For Galvanized Steel Door, Add	*95.97*	
		For Type 304 Stainless Steel Door, Add	*383.87*	
		For Type 316 Stainless Steel Door, Add	*623.79*	
		For Embossed Panel Door, Add	*115.16*	
		For Baked Enamel Finish, Add	*165.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.00*	
		For >100, Deduct	*-50.67*	
		For 2" Thick Door, Add	*38.46*	
		For Polystyrene Core, Add	*47.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.96*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.98*	
		For Steel Stiffened, Add	*119.96*	
08 13 13 13-0035	EA	2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	626.65	73.40
		For Galvanized Steel Door, Add	*95.97*	
		For Type 304 Stainless Steel Door, Add	*383.87*	
		For Type 316 Stainless Steel Door, Add	*623.79*	
		For Embossed Panel Door, Add	*115.16*	
		For Baked Enamel Finish, Add	*165.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.00*	
		For >100, Deduct	*-50.67*	
		For 2" Thick Door, Add	*38.46*	
		For Polystyrene Core, Add	*47.98*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*119.96*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*59.98*	
		For Steel Stiffened, Add	*119.96*	
08 13 13 13-0036	EA	2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	643.12	76.74
		For Galvanized Steel Door, Add	*97.93*	
		For Type 304 Stainless Steel Door, Add	*391.72*	
		For Type 316 Stainless Steel Door, Add	*636.55*	
		For Embossed Panel Door, Add	*117.52*	
		For Baked Enamel Finish, Add	*169.92*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.99*	
		For >100, Deduct	*-52.07*	
		For 2" Thick Door, Add	*39.34*	
		For Polystyrene Core, Add	*48.97*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.41*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.21*	
		For Steel Stiffened, Add	*122.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0037	EA	2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	650.43	76.74
		For Galvanized Steel Door, Add	*99.39*	
		For Type 304 Stainless Steel Door, Add	*397.57*	
		For Type 316 Stainless Steel Door, Add	*646.05*	
		For Embossed Panel Door, Add	*119.27*	
		For Baked Enamel Finish, Add	*172.11*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.36*	
		For >100, Deduct	*-52.62*	
		For 2" Thick Door, Add	*39.87*	
		For Polystyrene Core, Add	*49.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*124.24*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.12*	
		For Steel Stiffened, Add	*124.24*	
08 13 13 13-0038	EA	2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	656.68	78.40
		For Galvanized Steel Door, Add	*99.97*	
		For Type 304 Stainless Steel Door, Add	*399.90*	
		For Type 316 Stainless Steel Door, Add	*649.83*	
		For Embossed Panel Door, Add	*119.97*	
		For Baked Enamel Finish, Add	*173.48*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.75*	
		For >100, Deduct	*-53.17*	
		For 2" Thick Door, Add	*40.16*	
		For Polystyrene Core, Add	*49.99*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*124.97*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.48*	
		For Steel Stiffened, Add	*124.97*	
08 13 13 13-0039	EA	3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	662.96	80.07
		For Galvanized Steel Door, Add	*100.56*	
		For Type 304 Stainless Steel Door, Add	*402.25*	
		For Type 316 Stainless Steel Door, Add	*653.65*	
		For Embossed Panel Door, Add	*120.67*	
		For Baked Enamel Finish, Add	*174.87*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.15*	
		For >100, Deduct	*-53.73*	
		For 2" Thick Door, Add	*40.46*	
		For Polystyrene Core, Add	*50.28*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.70*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.85*	
		For Steel Stiffened, Add	*125.70*	
08 13 13 13-0040	EA	3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	700.96	80.07
		For Galvanized Steel Door, Add	*108.16*	
		For Type 304 Stainless Steel Door, Add	*432.65*	
		For Type 316 Stainless Steel Door, Add	*703.05*	
		For Embossed Panel Door, Add	*129.79*	
		For Baked Enamel Finish, Add	*186.27*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.05*	
		For >100, Deduct	*-56.58*	
		For 2" Thick Door, Add	*43.21*	
		For Polystyrene Core, Add	*54.08*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*135.20*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*67.60*	
		For Steel Stiffened, Add	*135.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0041	EA	3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	722.25	83.41
		For Galvanized Steel Door, Add	*111.09*	
		For Type 304 Stainless Steel Door, Add	*444.34*	
		For Type 316 Stainless Steel Door, Add	*722.06*	
		For Embossed Panel Door, Add	*133.30*	
		For Baked Enamel Finish, Add	*191.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.28*	
		For >100, Deduct	*-58.34*	
		For 2" Thick Door, Add	*44.44*	
		For Polystyrene Core, Add	*55.54*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*138.86*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.43*	
		For Steel Stiffened, Add	*138.86*	
08 13 13 13-0042	EA	4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	794.06	90.08
		For Galvanized Steel Door, Add	*122.78*	
		For Type 304 Stainless Steel Door, Add	*491.11*	
		For Type 316 Stainless Steel Door, Add	*798.06*	
		For Embossed Panel Door, Add	*147.33*	
		For Baked Enamel Finish, Add	*211.19*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.21*	
		For >100, Deduct	*-64.06*	
		For 2" Thick Door, Add	*49.01*	
		For Polystyrene Core, Add	*61.39*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*153.47*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*76.74*	
		For Steel Stiffened, Add	*153.47*	

08 13 13 13-0043 7' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0044	EA	2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	638.04	73.40
		For Galvanized Steel Door, Add	*98.25*	
		For Type 304 Stainless Steel Door, Add	*392.98*	
		For Type 316 Stainless Steel Door, Add	*638.60*	
		For Embossed Panel Door, Add	*117.90*	
		For Baked Enamel Finish, Add	*169.39*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.57*	
		For >100, Deduct	*-51.52*	
		For 2" Thick Door, Add	*39.28*	
		For Polystyrene Core, Add	*49.12*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.40*	
		For Steel Stiffened, Add	*122.81*	
08 13 13 13-0045	EA	2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	638.04	73.40
		For Galvanized Steel Door, Add	*98.25*	
		For Type 304 Stainless Steel Door, Add	*392.98*	
		For Type 316 Stainless Steel Door, Add	*638.60*	
		For Embossed Panel Door, Add	*117.90*	
		For Baked Enamel Finish, Add	*169.39*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-35.57*	
		For >100, Deduct	*-51.52*	
		For 2" Thick Door, Add	*39.28*	
		For Polystyrene Core, Add	*49.12*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*122.81*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*61.40*	
		For Steel Stiffened, Add	*122.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0046	EA	2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	654.74	76.74
		For Galvanized Steel Door, Add	*100.25*	
		For Type 304 Stainless Steel Door, Add	*401.02*	
		For Type 316 Stainless Steel Door, Add	*651.65*	
		For Embossed Panel Door, Add	*120.30*	
		For Baked Enamel Finish, Add	*173.40*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.57*	
		For >100, Deduct	*-52.94*	
		For 2" Thick Door, Add	*40.18*	
		For Polystyrene Core, Add	*50.13*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.66*	
		For Steel Stiffened, Add	*125.32*	
08 13 13 13-0047	EA	2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	662.22	76.74
		For Galvanized Steel Door, Add	*101.75*	
		For Type 304 Stainless Steel Door, Add	*407.00*	
		For Type 316 Stainless Steel Door, Add	*661.38*	
		For Embossed Panel Door, Add	*122.10*	
		For Baked Enamel Finish, Add	*175.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.95*	
		For >100, Deduct	*-53.50*	
		For 2" Thick Door, Add	*40.72*	
		For Polystyrene Core, Add	*50.88*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*127.19*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.59*	
		For Steel Stiffened, Add	*127.19*	
08 13 13 13-0048	EA	2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	668.56	78.40
		For Galvanized Steel Door, Add	*102.35*	
		For Type 304 Stainless Steel Door, Add	*409.40*	
		For Type 316 Stainless Steel Door, Add	*665.28*	
		For Embossed Panel Door, Add	*122.82*	
		For Baked Enamel Finish, Add	*177.05*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.35*	
		For >100, Deduct	*-54.06*	
		For 2" Thick Door, Add	*41.02*	
		For Polystyrene Core, Add	*51.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*127.94*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*63.97*	
		For Steel Stiffened, Add	*127.94*	
08 13 13 13-0049	EA	3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	674.89	80.07
		For Galvanized Steel Door, Add	*102.95*	
		For Type 304 Stainless Steel Door, Add	*411.79*	
		For Type 316 Stainless Steel Door, Add	*669.16*	
		For Embossed Panel Door, Add	*123.54*	
		For Baked Enamel Finish, Add	*178.44*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.75*	
		For >100, Deduct	*-54.62*	
		For 2" Thick Door, Add	*41.32*	
		For Polystyrene Core, Add	*51.47*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.69*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.34*	
		For Steel Stiffened, Add	*128.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0050	EA	3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	713.79	80.07
		For Galvanized Steel Door, Add	*110.73*	
		For Type 304 Stainless Steel Door, Add	*442.91*	
		For Type 316 Stainless Steel Door, Add	*719.73*	
		For Embossed Panel Door, Add	*132.87*	
		For Baked Enamel Finish, Add	*190.11*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-39.69*	
		For >100, Deduct	*-57.54*	
		For 2" Thick Door, Add	*44.14*	
		For Polystyrene Core, Add	*55.36*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*138.41*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*69.21*	
		For Steel Stiffened, Add	*138.41*	
08 13 13 13-0051	EA	3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	735.43	83.41
		For Galvanized Steel Door, Add	*113.72*	
		For Type 304 Stainless Steel Door, Add	*454.89*	
		For Type 316 Stainless Steel Door, Add	*739.19*	
		For Embossed Panel Door, Add	*136.47*	
		For Baked Enamel Finish, Add	*195.61*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.94*	
		For >100, Deduct	*-59.33*	
		For 2" Thick Door, Add	*45.39*	
		For Polystyrene Core, Add	*56.86*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*142.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*71.08*	
		For Steel Stiffened, Add	*142.15*	
08 13 13 13-0052	EA	4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	808.63	90.08
		For Galvanized Steel Door, Add	*125.69*	
		For Type 304 Stainless Steel Door, Add	*502.77*	
		For Type 316 Stainless Steel Door, Add	*817.00*	
		For Embossed Panel Door, Add	*150.83*	
		For Baked Enamel Finish, Add	*215.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.94*	
		For >100, Deduct	*-65.15*	
		For 2" Thick Door, Add	*50.07*	
		For Polystyrene Core, Add	*62.85*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*157.12*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*78.56*	
		For Steel Stiffened, Add	*157.12*	

08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0054	EA	2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	649.43	73.40
		For Galvanized Steel Door, Add	*100.52*	
		For Type 304 Stainless Steel Door, Add	*402.10*	
		For Type 316 Stainless Steel Door, Add	*653.41*	
		For Embossed Panel Door, Add	*120.63*	
		For Baked Enamel Finish, Add	*172.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.14*	
		For >100, Deduct	*-52.38*	
		For 2" Thick Door, Add	*40.11*	
		For Polystyrene Core, Add	*50.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.66*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.83*	
		For Steel Stiffened, Add	*125.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0055	EA	2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	649.43	73.40
		For Galvanized Steel Door, Add	*100.52*	
		For Type 304 Stainless Steel Door, Add	*402.10*	
		For Type 316 Stainless Steel Door, Add	*653.41*	
		For Embossed Panel Door, Add	*120.63*	
		For Baked Enamel Finish, Add	*172.81*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-36.14*	
		For >100, Deduct	*-52.38*	
		For 2" Thick Door, Add	*40.11*	
		For Polystyrene Core, Add	*50.26*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*125.66*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*62.83*	
		For Steel Stiffened, Add	*125.66*	
08 13 13 13-0056	EA	2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	666.36	76.74
		For Galvanized Steel Door, Add	*102.58*	
		For Type 304 Stainless Steel Door, Add	*410.31*	
		For Type 316 Stainless Steel Door, Add	*666.76*	
		For Embossed Panel Door, Add	*123.09*	
		For Baked Enamel Finish, Add	*176.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.15*	
		For >100, Deduct	*-53.81*	
		For 2" Thick Door, Add	*41.02*	
		For Polystyrene Core, Add	*51.29*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*128.22*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*64.11*	
		For Steel Stiffened, Add	*128.22*	
08 13 13 13-0057	EA	2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	674.02	76.74
		For Galvanized Steel Door, Add	*104.11*	
		For Type 304 Stainless Steel Door, Add	*416.44*	
		For Type 316 Stainless Steel Door, Add	*676.72*	
		For Embossed Panel Door, Add	*124.93*	
		For Baked Enamel Finish, Add	*179.19*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-37.54*	
		For >100, Deduct	*-54.39*	
		For 2" Thick Door, Add	*41.58*	
		For Polystyrene Core, Add	*52.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*130.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.07*	
		For Steel Stiffened, Add	*130.14*	
08 13 13 13-0058	EA	3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	686.82	80.07
		For Galvanized Steel Door, Add	*105.33*	
		For Type 304 Stainless Steel Door, Add	*421.34*	
		For Type 316 Stainless Steel Door, Add	*684.67*	
		For Embossed Panel Door, Add	*126.40*	
		For Baked Enamel Finish, Add	*182.02*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-38.34*	
		For >100, Deduct	*-55.52*	
		For 2" Thick Door, Add	*42.19*	
		For Polystyrene Core, Add	*52.67*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*131.67*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*65.83*	
		For Steel Stiffened, Add	*131.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0059	EA	3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	726.63	80.07
		For Galvanized Steel Door, Add	*113.30*	
		For Type 304 Stainless Steel Door, Add	*453.18*	
		For Type 316 Stainless Steel Door, Add	*736.42*	
		For Embossed Panel Door, Add	*135.96*	
		For Baked Enamel Finish, Add	*193.97*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.34*	
		For >100, Deduct	*-58.50*	
		For 2" Thick Door, Add	*45.07*	
		For Polystyrene Core, Add	*56.65*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*141.62*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*70.81*	
		For Steel Stiffened, Add	*141.62*	
08 13 13 13-0060	EA	3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	748.61	83.41
		For Galvanized Steel Door, Add	*116.36*	
		For Type 304 Stainless Steel Door, Add	*465.43*	
		For Type 316 Stainless Steel Door, Add	*756.33*	
		For Embossed Panel Door, Add	*139.63*	
		For Baked Enamel Finish, Add	*199.56*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.60*	
		For >100, Deduct	*-60.32*	
		For 2" Thick Door, Add	*46.35*	
		For Polystyrene Core, Add	*58.18*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*145.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*72.72*	
		For Steel Stiffened, Add	*145.45*	
08 13 13 13-0061	EA	4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	823.20	90.08
		For Galvanized Steel Door, Add	*128.61*	
		For Type 304 Stainless Steel Door, Add	*514.42*	
		For Type 316 Stainless Steel Door, Add	*835.94*	
		For Embossed Panel Door, Add	*154.33*	
		For Baked Enamel Finish, Add	*219.93*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.66*	
		For >100, Deduct	*-66.24*	
		For 2" Thick Door, Add	*51.12*	
		For Polystyrene Core, Add	*64.30*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*160.76*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*80.38*	
		For Steel Stiffened, Add	*160.76*	

08 13 13 13-0062 8' High, 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0032)*

08 13 13 13-0063	EA	2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	743.36	73.40
		For Up To 1' Extra Height, Add	*165.07*	
		For 1' To 1'-6" Extra Height, Add	*314.92*	
		For Galvanized Steel Door, Add	*119.31*	
		For Type 304 Stainless Steel Door, Add	*477.24*	
		For Type 316 Stainless Steel Door, Add	*775.52*	
		For Embossed Panel Door, Add	*143.17*	
		For Baked Enamel Finish, Add	*200.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.84*	
		For >100, Deduct	*-59.42*	
		For 2" Thick Door, Add	*46.92*	
		For Polystyrene Core, Add	*59.66*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.57*	
		For Steel Stiffened, Add	*149.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0064	EA	2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	743.36	73.40
		For Up To 1' Extra Height, Add	*165.07*	
		For 1' To 1'-6" Extra Height, Add	*314.92*	
		For Galvanized Steel Door, Add	*119.31*	
		For Type 304 Stainless Steel Door, Add	*477.24*	
		For Type 316 Stainless Steel Door, Add	*775.52*	
		For Embossed Panel Door, Add	*143.17*	
		For Baked Enamel Finish, Add	*200.99*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-40.84*	
		For >100, Deduct	*-59.42*	
		For 2" Thick Door, Add	*46.92*	
		For Polystyrene Core, Add	*59.66*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*149.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*74.57*	
		For Steel Stiffened, Add	*149.14*	
08 13 13 13-0065	EA	2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	762.22	76.74
		For Up To 1' Extra Height, Add	*168.44*	
		For 1' To 1'-6" Extra Height, Add	*321.36*	
		For Galvanized Steel Door, Add	*121.75*	
		For Type 304 Stainless Steel Door, Add	*487.00*	
		For Type 316 Stainless Steel Door, Add	*791.38*	
		For Embossed Panel Door, Add	*146.10*	
		For Baked Enamel Finish, Add	*205.65*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-41.95*	
		For >100, Deduct	*-61.00*	
		For 2" Thick Door, Add	*47.97*	
		For Polystyrene Core, Add	*60.88*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*152.19*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*76.09*	
		For Steel Stiffened, Add	*152.19*	
08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	771.31	76.74
		For Up To 1' Extra Height, Add	*170.96*	
		For 1' To 1'-6" Extra Height, Add	*326.16*	
		For Galvanized Steel Door, Add	*123.57*	
		For Type 304 Stainless Steel Door, Add	*494.27*	
		For Type 316 Stainless Steel Door, Add	*803.19*	
		For Embossed Panel Door, Add	*148.28*	
		For Baked Enamel Finish, Add	*208.37*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.40*	
		For >100, Deduct	*-61.69*	
		For 2" Thick Door, Add	*48.63*	
		For Polystyrene Core, Add	*61.78*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*154.46*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*77.23*	
		For Steel Stiffened, Add	*154.46*	
08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	778.28	78.40
		For Up To 1' Extra Height, Add	*171.96*	
		For 1' To 1'-6" Extra Height, Add	*328.07*	
		For Galvanized Steel Door, Add	*124.29*	
		For Type 304 Stainless Steel Door, Add	*497.18*	
		For Type 316 Stainless Steel Door, Add	*807.91*	
		For Embossed Panel Door, Add	*149.15*	
		For Baked Enamel Finish, Add	*209.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-42.83*	
		For >100, Deduct	*-62.29*	
		For 2" Thick Door, Add	*48.98*	
		For Polystyrene Core, Add	*62.15*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*155.37*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*77.68*	
		For Steel Stiffened, Add	*155.37*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0068 EA 3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	785.25	80.07
For Up To 1' Extra Height, Add	*172.97*	
For 1' To 1'-6" Extra Height, Add	*329.99*	
For Galvanized Steel Door, Add	*125.02*	
For Type 304 Stainless Steel Door, Add	*500.08*	
For Type 316 Stainless Steel Door, Add	*812.63*	
For Embossed Panel Door, Add	*150.02*	
For Baked Enamel Finish, Add	*211.55*	
For 20 Minute Fire Rated Door, Add	*27.63*	
For 45 Minute Fire Rated Door, Add	*41.40*	
For 60 Minute Fire Rated Door, Add	*55.27*	
For 90 Minute Fire Rated Door, Add	*93.38*	
For 3 Hour Fire Rated Door, Add	*131.50*	
For >50 To 100, Deduct	*-43.27*	
For >100, Deduct	*-62.90*	
For 2" Thick Door, Add	*49.32*	
For Polystyrene Core, Add	*62.51*	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*156.28*	
For Continuously Welded And Filled Vertical Edge Seam, Add	*78.14*	
For Steel Stiffened, Add	*156.28*	
08 13 13 13-0069 EA 3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	832.50	80.07
For Up To 1' Extra Height, Add	*186.04*	
For 1' To 1'-6" Extra Height, Add	*354.93*	
For Galvanized Steel Door, Add	*134.47*	
For Type 304 Stainless Steel Door, Add	*537.88*	
For Type 316 Stainless Steel Door, Add	*874.06*	
For Embossed Panel Door, Add	*161.36*	
For Baked Enamel Finish, Add	*225.73*	
For 20 Minute Fire Rated Door, Add	*27.63*	
For 45 Minute Fire Rated Door, Add	*41.40*	
For 60 Minute Fire Rated Door, Add	*55.27*	
For 90 Minute Fire Rated Door, Add	*93.38*	
For 3 Hour Fire Rated Door, Add	*131.50*	
For >50 To 100, Deduct	*-45.63*	
For >100, Deduct	*-66.44*	
For 2" Thick Door, Add	*52.75*	
For Polystyrene Core, Add	*67.24*	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*168.09*	
For Continuously Welded And Filled Vertical Edge Seam, Add	*84.04*	
For Steel Stiffened, Add	*168.09*	
08 13 13 13-0070 EA 3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	857.34	83.41
For Up To 1' Extra Height, Add	*191.07*	
For 1' To 1'-6" Extra Height, Add	*364.53*	
For Galvanized Steel Door, Add	*138.10*	
For Type 304 Stainless Steel Door, Add	*552.42*	
For Type 316 Stainless Steel Door, Add	*897.68*	
For Embossed Panel Door, Add	*165.72*	
For Baked Enamel Finish, Add	*232.18*	
For 20 Minute Fire Rated Door, Add	*27.63*	
For 45 Minute Fire Rated Door, Add	*41.40*	
For 60 Minute Fire Rated Door, Add	*55.27*	
For 90 Minute Fire Rated Door, Add	*93.38*	
For 3 Hour Fire Rated Door, Add	*131.50*	
For >50 To 100, Deduct	*-47.04*	
For >100, Deduct	*-68.47*	
For 2" Thick Door, Add	*54.23*	
For Polystyrene Core, Add	*69.05*	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*172.63*	
For Continuously Welded And Filled Vertical Edge Seam, Add	*86.32*	
For Steel Stiffened, Add	*172.63*	
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy-Duty, Honeycomb Core, Hollow Metal Door	943.38	90.08
For Up To 1' Extra Height, Add	*211.18*	
For 1' To 1'-6" Extra Height, Add	*402.90*	
For Galvanized Steel Door, Add	*152.64*	
For Type 304 Stainless Steel Door, Add	*610.57*	
For Type 316 Stainless Steel Door, Add	*992.17*	
For Embossed Panel Door, Add	*183.17*	
For Baked Enamel Finish, Add	*255.99*	
For 20 Minute Fire Rated Door, Add	*27.63*	
For 45 Minute Fire Rated Door, Add	*41.40*	
For 60 Minute Fire Rated Door, Add	*55.27*	
For 90 Minute Fire Rated Door, Add	*93.38*	
For 3 Hour Fire Rated Door, Add	*131.50*	
For >50 To 100, Deduct	*-51.67*	
For >100, Deduct	*-75.26*	
For 2" Thick Door, Add	*59.84*	
For Polystyrene Core, Add	*76.32*	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*190.80*	
For Continuously Welded And Filled Vertical Edge Seam, Add	*95.40*	
For Steel Stiffened, Add	*190.80*	

08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13)*

08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0074	EA	2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.39	73.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*265.83*	
		For Galvanized Steel Door, Add	*132.92*	
		For Type 304 Stainless Steel Door, Add	*531.66*	
		For Type 316 Stainless Steel Door, Add	*863.95*	
		For Embossed Panel Door, Add	*159.50*	
		For Baked Enamel Finish, Add	*221.40*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.24*	
		For >100, Deduct	*-64.52*	
		For 2" Thick Door, Add	*51.85*	
		For Polystyrene Core, Add	*66.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.07*	
		For Steel Stiffened, Add	*166.15*	
08 13 13 13-0075	EA	2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	811.39	73.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*265.83*	
		For Galvanized Steel Door, Add	*132.92*	
		For Type 304 Stainless Steel Door, Add	*531.66*	
		For Type 316 Stainless Steel Door, Add	*863.95*	
		For Embossed Panel Door, Add	*159.50*	
		For Baked Enamel Finish, Add	*221.40*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-44.24*	
		For >100, Deduct	*-64.52*	
		For 2" Thick Door, Add	*51.85*	
		For Polystyrene Core, Add	*66.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*166.15*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*83.07*	
		For Steel Stiffened, Add	*166.15*	
08 13 13 13-0076	EA	2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	831.64	76.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*271.27*	
		For Galvanized Steel Door, Add	*135.63*	
		For Type 304 Stainless Steel Door, Add	*542.54*	
		For Type 316 Stainless Steel Door, Add	*881.62*	
		For Embossed Panel Door, Add	*162.76*	
		For Baked Enamel Finish, Add	*226.47*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.42*	
		For >100, Deduct	*-66.21*	
		For 2" Thick Door, Add	*53.00*	
		For Polystyrene Core, Add	*67.82*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*169.54*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*84.77*	
		For Steel Stiffened, Add	*169.54*	
08 13 13 13-0077	EA	2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	841.76	76.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*275.32*	
		For Galvanized Steel Door, Add	*137.66*	
		For Type 304 Stainless Steel Door, Add	*550.63*	
		For Type 316 Stainless Steel Door, Add	*894.78*	
		For Embossed Panel Door, Add	*165.19*	
		For Baked Enamel Finish, Add	*229.51*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.92*	
		For >100, Deduct	*-66.97*	
		For 2" Thick Door, Add	*53.74*	
		For Polystyrene Core, Add	*68.83*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*172.07*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.04*	
		For Steel Stiffened, Add	*172.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	849.16	78.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*276.94*	
		For Galvanized Steel Door, Add	*138.47*	
		For Type 304 Stainless Steel Door, Add	*553.88*	
		For Type 316 Stainless Steel Door, Add	*900.06*	
		For Embossed Panel Door, Add	*166.16*	
		For Baked Enamel Finish, Add	*231.23*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.38*	
		For >100, Deduct	*-67.61*	
		For 2" Thick Door, Add	*54.12*	
		For Polystyrene Core, Add	*69.24*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.54*	
		For Steel Stiffened, Add	*173.09*	
08 13 13 13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	856.54	80.07
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.56*	
		For Galvanized Steel Door, Add	*139.28*	
		For Type 304 Stainless Steel Door, Add	*557.11*	
		For Type 316 Stainless Steel Door, Add	*905.31*	
		For Embossed Panel Door, Add	*167.13*	
		For Baked Enamel Finish, Add	*232.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.83*	
		For >100, Deduct	*-68.24*	
		For 2" Thick Door, Add	*54.49*	
		For Polystyrene Core, Add	*69.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.05*	
		For Steel Stiffened, Add	*174.10*	
08 13 13 13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	909.17	80.07
		For 14 Gauge, Level 4 Maximum Duty, Add	*299.61*	
		For Galvanized Steel Door, Add	*149.80*	
		For Type 304 Stainless Steel Door, Add	*599.22*	
		For Type 316 Stainless Steel Door, Add	*973.73*	
		For Embossed Panel Door, Add	*179.76*	
		For Baked Enamel Finish, Add	*248.73*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-49.46*	
		For >100, Deduct	*-72.19*	
		For 2" Thick Door, Add	*58.31*	
		For Polystyrene Core, Add	*74.90*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*187.26*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*93.63*	
		For Steel Stiffened, Add	*187.26*	
08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	936.08	83.41
		For 14 Gauge, Level 4 Maximum Duty, Add	*307.70*	
		For Galvanized Steel Door, Add	*153.85*	
		For Type 304 Stainless Steel Door, Add	*615.41*	
		For Type 316 Stainless Steel Door, Add	*1,000.04*	
		For Embossed Panel Door, Add	*184.62*	
		For Baked Enamel Finish, Add	*255.80*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.97*	
		For >100, Deduct	*-74.38*	
		For 2" Thick Door, Add	*59.94*	
		For Polystyrene Core, Add	*76.93*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*192.32*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*96.16*	
		For Steel Stiffened, Add	*192.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,030.41	90.08
		For 14 Gauge, Level 4 Maximum Duty, Add	*340.10*	
		For Galvanized Steel Door, Add	*170.05*	
		For Type 304 Stainless Steel Door, Add	*680.19*	
		For Type 316 Stainless Steel Door, Add	*1,105.31*	
		For Embossed Panel Door, Add	*204.06*	
		For Baked Enamel Finish, Add	*282.10*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-56.02*	
		For >100, Deduct	*-81.79*	
		For 2" Thick Door, Add	*66.15*	
		For Polystyrene Core, Add	*85.02*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*212.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*106.28*	
		For Steel Stiffened, Add	*212.56*	
08 13 13 13-0083		7' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*		
08 13 13 13-0084	EA	2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	827.16	73.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.14*	
		For Galvanized Steel Door, Add	*136.07*	
		For Type 304 Stainless Steel Door, Add	*544.28*	
		For Type 316 Stainless Steel Door, Add	*884.46*	
		For Embossed Panel Door, Add	*163.28*	
		For Baked Enamel Finish, Add	*226.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.03*	
		For >100, Deduct	*-65.71*	
		For 2" Thick Door, Add	*53.00*	
		For Polystyrene Core, Add	*68.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.04*	
		For Steel Stiffened, Add	*170.09*	
08 13 13 13-0085	EA	2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	827.16	73.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*272.14*	
		For Galvanized Steel Door, Add	*136.07*	
		For Type 304 Stainless Steel Door, Add	*544.28*	
		For Type 316 Stainless Steel Door, Add	*884.46*	
		For Embossed Panel Door, Add	*163.28*	
		For Baked Enamel Finish, Add	*226.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.03*	
		For >100, Deduct	*-65.71*	
		For 2" Thick Door, Add	*53.00*	
		For Polystyrene Core, Add	*68.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*170.09*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*85.04*	
		For Steel Stiffened, Add	*170.09*	
08 13 13 13-0086	EA	2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	847.73	76.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*277.70*	
		For Galvanized Steel Door, Add	*138.85*	
		For Type 304 Stainless Steel Door, Add	*555.41*	
		For Type 316 Stainless Steel Door, Add	*902.54*	
		For Embossed Panel Door, Add	*166.62*	
		For Baked Enamel Finish, Add	*231.30*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.22*	
		For >100, Deduct	*-67.42*	
		For 2" Thick Door, Add	*54.17*	
		For Polystyrene Core, Add	*69.43*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*173.57*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*86.78*	
		For Steel Stiffened, Add	*173.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0087	EA	2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	858.09	76.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*281.85*	
		For Galvanized Steel Door, Add	*140.92*	
		For Type 304 Stainless Steel Door, Add	*563.70*	
		For Type 316 Stainless Steel Door, Add	*916.01*	
		For Embossed Panel Door, Add	*169.11*	
		For Baked Enamel Finish, Add	*234.41*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-46.74*	
		For >100, Deduct	*-68.19*	
		For 2" Thick Door, Add	*54.92*	
		For Polystyrene Core, Add	*70.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*176.16*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*88.08*	
		For Steel Stiffened, Add	*176.16*	
08 13 13 13-0088	EA	2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	865.58	78.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*283.51*	
		For Galvanized Steel Door, Add	*141.75*	
		For Type 304 Stainless Steel Door, Add	*567.02*	
		For Type 316 Stainless Steel Door, Add	*921.40*	
		For Embossed Panel Door, Add	*170.10*	
		For Baked Enamel Finish, Add	*236.15*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.20*	
		For >100, Deduct	*-68.84*	
		For 2" Thick Door, Add	*55.31*	
		For Polystyrene Core, Add	*70.88*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*177.19*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*88.60*	
		For Steel Stiffened, Add	*177.19*	
08 13 13 13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	873.06	80.07
		For 14 Gauge, Level 4 Maximum Duty, Add	*285.16*	
		For Galvanized Steel Door, Add	*142.58*	
		For Type 304 Stainless Steel Door, Add	*570.33*	
		For Type 316 Stainless Steel Door, Add	*926.78*	
		For Embossed Panel Door, Add	*171.10*	
		For Baked Enamel Finish, Add	*237.90*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.66*	
		For >100, Deduct	*-69.48*	
		For 2" Thick Door, Add	*55.69*	
		For Polystyrene Core, Add	*71.29*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*178.23*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*89.11*	
		For Steel Stiffened, Add	*178.23*	
08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	926.95	80.07
		For 14 Gauge, Level 4 Maximum Duty, Add	*306.72*	
		For Galvanized Steel Door, Add	*153.36*	
		For Type 304 Stainless Steel Door, Add	*613.44*	
		For Type 316 Stainless Steel Door, Add	*996.84*	
		For Embossed Panel Door, Add	*184.03*	
		For Baked Enamel Finish, Add	*254.06*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-50.35*	
		For >100, Deduct	*-73.53*	
		For 2" Thick Door, Add	*59.60*	
		For Polystyrene Core, Add	*76.68*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*191.70*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*95.85*	
		For Steel Stiffened, Add	*191.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	954.34	83.41
		For 14 Gauge, Level 4 Maximum Duty, Add	*315.01*	
		For Galvanized Steel Door, Add	*157.50*	
		For Type 304 Stainless Steel Door, Add	*630.02*	
		For Type 316 Stainless Steel Door, Add	*1,023.78*	
		For Embossed Panel Door, Add	*189.00*	
		For Baked Enamel Finish, Add	*261.28*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.89*	
		For >100, Deduct	*-75.75*	
		For 2" Thick Door, Add	*61.27*	
		For Polystyrene Core, Add	*78.75*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*196.88*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*98.44*	
		For Steel Stiffened, Add	*196.88*	
08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,050.59	90.08
		For 14 Gauge, Level 4 Maximum Duty, Add	*348.17*	
		For Galvanized Steel Door, Add	*174.08*	
		For Type 304 Stainless Steel Door, Add	*696.34*	
		For Type 316 Stainless Steel Door, Add	*1,131.55*	
		For Embossed Panel Door, Add	*208.90*	
		For Baked Enamel Finish, Add	*288.15*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-57.03*	
		For >100, Deduct	*-83.30*	
		For 2" Thick Door, Add	*67.61*	
		For Polystyrene Core, Add	*87.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*217.61*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*108.80*	
		For Steel Stiffened, Add	*217.61*	

08 13 13 13-0093 7'-2" High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	842.93	73.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.45*	
		For Galvanized Steel Door, Add	*139.22*	
		For Type 304 Stainless Steel Door, Add	*556.90*	
		For Type 316 Stainless Steel Door, Add	*904.96*	
		For Embossed Panel Door, Add	*167.07*	
		For Baked Enamel Finish, Add	*230.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.82*	
		For >100, Deduct	*-66.89*	
		For 2" Thick Door, Add	*54.14*	
		For Polystyrene Core, Add	*69.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.03*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.02*	
		For Steel Stiffened, Add	*174.03*	
08 13 13 13-0095	EA	2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	842.93	73.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*278.45*	
		For Galvanized Steel Door, Add	*139.22*	
		For Type 304 Stainless Steel Door, Add	*556.90*	
		For Type 316 Stainless Steel Door, Add	*904.96*	
		For Embossed Panel Door, Add	*167.07*	
		For Baked Enamel Finish, Add	*230.86*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-45.82*	
		For >100, Deduct	*-66.89*	
		For 2" Thick Door, Add	*54.14*	
		For Polystyrene Core, Add	*69.61*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*174.03*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*87.02*	
		For Steel Stiffened, Add	*174.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0096	EA	2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	863.83	76.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*284.14*	
		For Galvanized Steel Door, Add	*142.07*	
		For Type 304 Stainless Steel Door, Add	*568.29*	
		For Type 316 Stainless Steel Door, Add	*923.47*	
		For Embossed Panel Door, Add	*170.49*	
		For Baked Enamel Finish, Add	*236.13*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.03*	
		For >100, Deduct	*-68.62*	
		For 2" Thick Door, Add	*55.34*	
		For Polystyrene Core, Add	*71.04*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*177.59*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*88.80*	
		For Steel Stiffened, Add	*177.59*	
08 13 13 13-0097	EA	2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	874.43	76.74
		For 14 Gauge, Level 4 Maximum Duty, Add	*288.38*	
		For Galvanized Steel Door, Add	*144.19*	
		For Type 304 Stainless Steel Door, Add	*576.77*	
		For Type 316 Stainless Steel Door, Add	*937.25*	
		For Embossed Panel Door, Add	*173.03*	
		For Baked Enamel Finish, Add	*239.31*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-47.56*	
		For >100, Deduct	*-69.42*	
		For 2" Thick Door, Add	*56.11*	
		For Polystyrene Core, Add	*72.10*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*180.24*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*90.12*	
		For Steel Stiffened, Add	*180.24*	
08 13 13 13-0098	EA	2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	882.02	78.40
		For 14 Gauge, Level 4 Maximum Duty, Add	*290.08*	
		For Galvanized Steel Door, Add	*145.04*	
		For Type 304 Stainless Steel Door, Add	*580.17*	
		For Type 316 Stainless Steel Door, Add	*942.77*	
		For Embossed Panel Door, Add	*174.05*	
		For Baked Enamel Finish, Add	*241.08*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.02*	
		For >100, Deduct	*-70.07*	
		For 2" Thick Door, Add	*56.50*	
		For Polystyrene Core, Add	*72.52*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*181.30*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*90.65*	
		For Steel Stiffened, Add	*181.30*	
08 13 13 13-0099	EA	3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	889.59	80.07
		For 14 Gauge, Level 4 Maximum Duty, Add	*291.78*	
		For Galvanized Steel Door, Add	*145.89*	
		For Type 304 Stainless Steel Door, Add	*583.55*	
		For Type 316 Stainless Steel Door, Add	*948.27*	
		For Embossed Panel Door, Add	*175.07*	
		For Baked Enamel Finish, Add	*242.85*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-48.48*	
		For >100, Deduct	*-70.72*	
		For 2" Thick Door, Add	*56.89*	
		For Polystyrene Core, Add	*72.94*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*182.36*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*91.18*	
		For Steel Stiffened, Add	*182.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0100	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	944.72	80.07
		For 14 Gauge, Level 4 Maximum Duty, Add	*313.83*	
		For Galvanized Steel Door, Add	*156.91*	
		For Type 304 Stainless Steel Door, Add	*627.66*	
		For Type 316 Stainless Steel Door, Add	*1,019.94*	
		For Embossed Panel Door, Add	*188.30*	
		For Baked Enamel Finish, Add	*259.39*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-51.24*	
		For >100, Deduct	*-74.86*	
		For 2" Thick Door, Add	*60.89*	
		For Polystyrene Core, Add	*78.46*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*196.14*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*98.07*	
		For Steel Stiffened, Add	*196.14*	
08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	972.60	83.41
		For 14 Gauge, Level 4 Maximum Duty, Add	*322.31*	
		For Galvanized Steel Door, Add	*161.16*	
		For Type 304 Stainless Steel Door, Add	*644.62*	
		For Type 316 Stainless Steel Door, Add	*1,047.51*	
		For Embossed Panel Door, Add	*193.39*	
		For Baked Enamel Finish, Add	*266.76*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.80*	
		For >100, Deduct	*-77.12*	
		For 2" Thick Door, Add	*62.59*	
		For Polystyrene Core, Add	*80.58*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*201.45*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*100.72*	
		For Steel Stiffened, Add	*201.45*	
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,070.77	90.08
		For 14 Gauge, Level 4 Maximum Duty, Add	*356.24*	
		For Galvanized Steel Door, Add	*178.12*	
		For Type 304 Stainless Steel Door, Add	*712.48*	
		For Type 316 Stainless Steel Door, Add	*1,157.78*	
		For Embossed Panel Door, Add	*213.74*	
		For Baked Enamel Finish, Add	*294.21*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-58.04*	
		For >100, Deduct	*-84.81*	
		For 2" Thick Door, Add	*69.07*	
		For Polystyrene Core, Add	*89.06*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*222.65*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*111.33*	
		For Steel Stiffened, Add	*222.65*	

08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Doors *(08 13 13 13-0072)*

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	973.03	73.40
		For Up To 1' Extra Height, Add	*228.62*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*330.49*	
		For Galvanized Steel Door, Add	*165.24*	
		For Type 304 Stainless Steel Door, Add	*660.98*	
		For Type 316 Stainless Steel Door, Add	*1,074.09*	
		For Embossed Panel Door, Add	*198.29*	
		For Baked Enamel Finish, Add	*269.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.32*	
		For >100, Deduct	*-76.65*	
		For 2" Thick Door, Add	*63.57*	
		For Polystyrene Core, Add	*82.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*206.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*103.28*	
		For Steel Stiffened, Add	*206.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	973.03	73.40
		For Up To 1' Extra Height, Add	*228.62*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*330.49*	
		For Galvanized Steel Door, Add	*165.24*	
		For Type 304 Stainless Steel Door, Add	*660.98*	
		For Type 316 Stainless Steel Door, Add	*1,074.09*	
		For Embossed Panel Door, Add	*198.29*	
		For Baked Enamel Finish, Add	*269.89*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-52.32*	
		For >100, Deduct	*-76.65*	
		For 2" Thick Door, Add	*63.57*	
		For Polystyrene Core, Add	*82.62*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*206.56*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*103.28*	
		For Steel Stiffened, Add	*206.56*	
08 13 13 13-0106	EA	2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	996.59	76.74
		For Up To 1' Extra Height, Add	*233.29*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*337.25*	
		For Galvanized Steel Door, Add	*168.62*	
		For Type 304 Stainless Steel Door, Add	*674.50*	
		For Type 316 Stainless Steel Door, Add	*1,096.06*	
		For Embossed Panel Door, Add	*202.35*	
		For Baked Enamel Finish, Add	*275.96*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-53.67*	
		For >100, Deduct	*-78.58*	
		For 2" Thick Door, Add	*64.96*	
		For Polystyrene Core, Add	*84.31*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*210.78*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*105.39*	
		For Steel Stiffened, Add	*210.78*	
08 13 13 13-0107	EA	2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,009.18	76.74
		For Up To 1' Extra Height, Add	*236.77*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*342.28*	
		For Galvanized Steel Door, Add	*171.14*	
		For Type 304 Stainless Steel Door, Add	*684.57*	
		For Type 316 Stainless Steel Door, Add	*1,112.42*	
		For Embossed Panel Door, Add	*205.37*	
		For Baked Enamel Finish, Add	*279.73*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.30*	
		For >100, Deduct	*-79.53*	
		For 2" Thick Door, Add	*65.88*	
		For Polystyrene Core, Add	*85.57*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*213.93*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*106.96*	
		For Steel Stiffened, Add	*213.93*	
08 13 13 13-0108	EA	2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,017.54	78.40
		For Up To 1' Extra Height, Add	*238.16*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*344.29*	
		For Galvanized Steel Door, Add	*172.15*	
		For Type 304 Stainless Steel Door, Add	*688.58*	
		For Type 316 Stainless Steel Door, Add	*1,118.95*	
		For Embossed Panel Door, Add	*206.58*	
		For Baked Enamel Finish, Add	*281.74*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-54.80*	
		For >100, Deduct	*-80.24*	
		For 2" Thick Door, Add	*66.32*	
		For Polystyrene Core, Add	*86.07*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*215.18*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*107.59*	
		For Steel Stiffened, Add	*215.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0109	EA	3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,025.92	80.07
		For Up To 1' Extra Height, Add	*239.56*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*346.31*	
		For Galvanized Steel Door, Add	*173.15*	
		For Type 304 Stainless Steel Door, Add	*692.62*	
		For Type 316 Stainless Steel Door, Add	*1,125.50*	
		For Embossed Panel Door, Add	*207.78*	
		For Baked Enamel Finish, Add	*283.75*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-55.30*	
		For >100, Deduct	*-80.95*	
		For 2" Thick Door, Add	*66.77*	
		For Polystyrene Core, Add	*86.58*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*216.44*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*108.22*	
		For Steel Stiffened, Add	*216.44*	
08 13 13 13-0110	EA	3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,091.35	80.07
		For Up To 1' Extra Height, Add	*257.66*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*372.48*	
		For Galvanized Steel Door, Add	*186.24*	
		For Type 304 Stainless Steel Door, Add	*744.96*	
		For Type 316 Stainless Steel Door, Add	*1,210.56*	
		For Embossed Panel Door, Add	*223.49*	
		For Baked Enamel Finish, Add	*303.38*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-58.57*	
		For >100, Deduct	*-85.86*	
		For 2" Thick Door, Add	*71.52*	
		For Polystyrene Core, Add	*93.12*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*232.80*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*116.40*	
		For Steel Stiffened, Add	*232.80*	
08 13 13 13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,123.20	83.41
		For Up To 1' Extra Height, Add	*264.63*	
		For 1' To 1'-6" Extra Height, Add	*504.87*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*382.55*	
		For Galvanized Steel Door, Add	*191.28*	
		For Type 304 Stainless Steel Door, Add	*765.10*	
		For Type 316 Stainless Steel Door, Add	*1,243.29*	
		For Embossed Panel Door, Add	*229.53*	
		For Baked Enamel Finish, Add	*311.94*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-60.33*	
		For >100, Deduct	*-88.41*	
		For 2" Thick Door, Add	*73.51*	
		For Polystyrene Core, Add	*95.64*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*239.10*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*119.55*	
		For Steel Stiffened, Add	*239.10*	
08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy-Duty, Honeycomb Core, Hollow Metal Door	1,237.21	90.08
		For Up To 1' Extra Height, Add	*292.48*	
		For 1' To 1'-6" Extra Height, Add	*558.01*	
		For 14 Gauge, Level 4 Maximum Duty, Add	*422.82*	
		For Galvanized Steel Door, Add	*211.41*	
		For Type 304 Stainless Steel Door, Add	*845.63*	
		For Type 316 Stainless Steel Door, Add	*1,374.15*	
		For Embossed Panel Door, Add	*253.69*	
		For Baked Enamel Finish, Add	*344.14*	
		For 20 Minute Fire Rated Door, Add	*27.63*	
		For 45 Minute Fire Rated Door, Add	*41.40*	
		For 60 Minute Fire Rated Door, Add	*55.27*	
		For 90 Minute Fire Rated Door, Add	*93.38*	
		For 3 Hour Fire Rated Door, Add	*131.50*	
		For >50 To 100, Deduct	*-66.36*	
		For >100, Deduct	*-97.30*	
		For 2" Thick Door, Add	*81.14*	
		For Polystyrene Core, Add	*105.70*	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	*264.26*	
		For Continuously Welded And Filled Vertical Edge Seam, Add	*132.13*	
		For Steel Stiffened, Add	*264.26*	

08 13 13 53 Custom Hollow Metal Doors *(08 13 13)*

08 13 13 53-0001 Steel 18 Gauge 1-3/4" Unrated Door *(08 13 13 53)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 53-0002	EA	2'-2" Or 2'-4" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,806.56	166.82
		For 16 Gauge Door, Add	*20.30*	
08 13 13 53-0003	EA	2'-6" x 6'-9" x 1-3/4", 18 Gauge, Unrated, With Semicircular Head, Hollow Metal Door	1,897.20	200.18
		For 16 Gauge Door, Add	*20.30*	

08 13 73 Sliding Metal Doors *(08 13)*

08 13 73 00-0001 Sliding Bypass Mirror Doors *(08 13 73)*

Note: Includes 3.0 mm thick, steel frameless safety backed mirrors with anti-jump rollers and guides.

08 13 73 00-0002	EA	4' x 6' 8", Sliding Bypass Mirror Doors	784.09	100.10
08 13 73 00-0003	EA	5' x 6' 8", Sliding Bypass Mirror Doors	898.99	106.77
08 13 73 00-0004	EA	6' x 6' 8", Sliding Bypass Mirror Doors	1,013.89	113.44
08 13 73 00-0005	EA	8' x 6' 8", Sliding Bypass Mirror Doors	1,230.33	120.11

08 14 Wood Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.

08 14 16 Flush Wood Doors *(08 14)*

08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0002 Birch Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	273.90	73.40
		For >25 To 50, Deduct	*-16.09*	
		For >50 To 100, Deduct	*-25.80*	
		For >100, Deduct	*-37.41*	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	273.90	73.40
		For >25 To 50, Deduct	*-16.09*	
		For >50 To 100, Deduct	*-25.80*	
		For >100, Deduct	*-37.41*	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	289.57	76.74
		For >25 To 50, Deduct	*-16.95*	
		For >50 To 100, Deduct	*-27.26*	
		For >100, Deduct	*-39.60*	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	296.20	76.74
		For >25 To 50, Deduct	*-17.22*	
		For >50 To 100, Deduct	*-27.84*	
		For >100, Deduct	*-40.59*	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	297.75	76.74
		For >25 To 50, Deduct	*-17.28*	
		For >50 To 100, Deduct	*-27.97*	
		For >100, Deduct	*-40.83*	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	305.21	80.07
		For >25 To 50, Deduct	*-17.81*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-41.78*	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.38	80.07
		For >25 To 50, Deduct	*-18.38*	
		For >50 To 100, Deduct	*-29.95*	
		For >100, Deduct	*-43.90*	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	336.24	83.41
		For >25 To 50, Deduct	*-19.29*	
		For >50 To 100, Deduct	*-31.51*	
		For >100, Deduct	*-46.27*	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	281.31	73.40
		For >25 To 50, Deduct	*-16.39*	
		For >50 To 100, Deduct	*-26.45*	
		For >100, Deduct	*-38.53*	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	281.31	73.40
		For >25 To 50, Deduct	*-16.39*	
		For >50 To 100, Deduct	*-26.45*	
		For >100, Deduct	*-38.53*	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	297.50	76.74
		For >25 To 50, Deduct	*-17.27*	
		For >50 To 100, Deduct	*-27.95*	
		For >100, Deduct	*-40.79*	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	304.51	76.74
		For >25 To 50, Deduct	*-17.55*	
		For >50 To 100, Deduct	*-28.56*	
		For >100, Deduct	*-41.84*	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	306.15	76.74
		For >25 To 50, Deduct	*-17.62*	
		For >50 To 100, Deduct	*-28.71*	
		For >100, Deduct	*-42.09*	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	313.65	80.07
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-29.45*	
		For >100, Deduct	*-43.04*	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.64	80.07
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-30.76*	
		For >100, Deduct	*-45.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	346.09	83.41
		For >25 To 50, Deduct	*-19.68*	
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-47.74*	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	307.53	73.40
		For >25 To 50, Deduct	*-17.44*	
		For >50 To 100, Deduct	*-28.74*	
		For >100, Deduct	*-42.46*	
		For 9' Door Height, Add	*33.75*	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	307.53	73.40
		For >25 To 50, Deduct	*-17.44*	
		For >50 To 100, Deduct	*-28.74*	
		For >100, Deduct	*-42.46*	
		For 9' Door Height, Add	*33.75*	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	325.60	76.74
		For >25 To 50, Deduct	*-18.40*	
		For >50 To 100, Deduct	*-30.41*	
		For >100, Deduct	*-45.00*	
		For 9' Door Height, Add	*36.15*	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	333.95	76.74
		For >25 To 50, Deduct	*-18.73*	
		For >50 To 100, Deduct	*-31.14*	
		For >100, Deduct	*-46.26*	
		For 9' Door Height, Add	*37.90*	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	335.92	76.74
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-31.31*	
		For >100, Deduct	*-46.55*	
		For 9' Door Height, Add	*38.31*	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	343.58	80.07
		For >25 To 50, Deduct	*-19.35*	
		For >50 To 100, Deduct	*-32.07*	
		For >100, Deduct	*-47.53*	
		For 9' Door Height, Add	*38.52*	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	361.50	80.07
		For >25 To 50, Deduct	*-20.07*	
		For >50 To 100, Deduct	*-33.63*	
		For >100, Deduct	*-50.22*	
		For 9' Door Height, Add	*42.28*	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	381.04	83.41
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-35.43*	
		For >100, Deduct	*-52.99*	
		For 9' Door Height, Add	*44.99*	

08 14 16 00-0027 Oak Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	404.25	73.40
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-37.21*	
		For >100, Deduct	*-56.97*	
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	404.25	73.40
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-37.21*	
		For >100, Deduct	*-56.97*	
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	429.15	76.74
		For >25 To 50, Deduct	*-22.54*	
		For >50 To 100, Deduct	*-39.47*	
		For >100, Deduct	*-60.54*	
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	442.58	76.74
		For >25 To 50, Deduct	*-23.07*	
		For >50 To 100, Deduct	*-40.64*	
		For >100, Deduct	*-62.55*	
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	444.94	76.74
		For >25 To 50, Deduct	*-23.17*	
		For >50 To 100, Deduct	*-40.85*	
		For >100, Deduct	*-62.90*	
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	453.99	80.07
		For >25 To 50, Deduct	*-23.76*	
		For >50 To 100, Deduct	*-41.73*	
		For >100, Deduct	*-64.09*	
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	482.64	80.07
		For >25 To 50, Deduct	*-24.91*	
		For >50 To 100, Deduct	*-44.23*	
		For >100, Deduct	*-68.39*	
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	509.97	83.41
		For >25 To 50, Deduct	*-26.24*	
		For >50 To 100, Deduct	*-46.71*	
		For >100, Deduct	*-72.33*	
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	419.22	73.40
		For >25 To 50, Deduct	*-21.91*	
		For >50 To 100, Deduct	*-38.52*	
		For >100, Deduct	*-59.21*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0037 EA 2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	419.22	73.40
For >25 To 50, Deduct	*-21.91*	
For >50 To 100, Deduct	*-38.52*	
For >100, Deduct	*-59.21*	
08 14 16 00-0038 EA 2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	445.20	76.74
For >25 To 50, Deduct	*-23.18*	
For >50 To 100, Deduct	*-40.87*	
For >100, Deduct	*-62.94*	
08 14 16 00-0039 EA 2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	459.40	76.74
For >25 To 50, Deduct	*-23.75*	
For >50 To 100, Deduct	*-42.12*	
For >100, Deduct	*-65.07*	
08 14 16 00-0040 EA 2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	461.89	76.74
For >25 To 50, Deduct	*-23.85*	
For >50 To 100, Deduct	*-42.33*	
For >100, Deduct	*-65.45*	
08 14 16 00-0041 EA 3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	471.07	80.07
For >25 To 50, Deduct	*-24.45*	
For >50 To 100, Deduct	*-43.22*	
For >100, Deduct	*-66.66*	
08 14 16 00-0042 EA 3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	501.41	80.07
For >25 To 50, Deduct	*-25.66*	
For >50 To 100, Deduct	*-45.88*	
For >100, Deduct	*-71.21*	
08 14 16 00-0043 EA 3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	529.93	83.41
For >25 To 50, Deduct	*-27.04*	
For >50 To 100, Deduct	*-48.45*	
For >100, Deduct	*-75.32*	
08 14 16 00-0044 EA 2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	472.36	73.40
For >25 To 50, Deduct	*-24.03*	
For >50 To 100, Deduct	*-43.17*	
For >100, Deduct	*-67.18*	
For 9' Door Height, Add	*68.37*	
08 14 16 00-0045 EA 2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	472.36	73.40
For >25 To 50, Deduct	*-24.03*	
For >50 To 100, Deduct	*-43.17*	
For >100, Deduct	*-67.18*	
For 9' Door Height, Add	*68.37*	
08 14 16 00-0046 EA 2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	502.08	76.74
For >25 To 50, Deduct	*-25.45*	
For >50 To 100, Deduct	*-45.85*	
For >100, Deduct	*-71.48*	
For 9' Door Height, Add	*73.21*	
08 14 16 00-0047 EA 2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	519.04	76.74
For >25 To 50, Deduct	*-26.13*	
For >50 To 100, Deduct	*-47.33*	
For >100, Deduct	*-74.02*	
For 9' Door Height, Add	*76.77*	
08 14 16 00-0048 EA 2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	522.05	76.74
For >25 To 50, Deduct	*-26.25*	
For >50 To 100, Deduct	*-47.60*	
For >100, Deduct	*-74.47*	
For 9' Door Height, Add	*77.40*	
08 14 16 00-0049 EA 3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	531.70	80.07
For >25 To 50, Deduct	*-26.87*	
For >50 To 100, Deduct	*-48.53*	
For >100, Deduct	*-75.75*	
For 9' Door Height, Add	*78.03*	
08 14 16 00-0050 EA 3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	567.97	80.07
For >25 To 50, Deduct	*-28.32*	
For >50 To 100, Deduct	*-51.70*	
For >100, Deduct	*-81.19*	
For 9' Door Height, Add	*85.64*	
08 14 16 00-0051 EA 3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	600.76	83.41
For >25 To 50, Deduct	*-29.87*	
For >50 To 100, Deduct	*-54.65*	
For >100, Deduct	*-85.94*	
For 9' Door Height, Add	*91.13*	

08 14 16 00-0052 Maple Faced Wood Door *(08 14 16 00-0001)*

08 14 16 00-0053 EA 2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	335.46	73.40
For >25 To 50, Deduct	*-18.56*	
For >50 To 100, Deduct	*-31.19*	
For >100, Deduct	*-46.65*	
08 14 16 00-0054 EA 2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	335.46	73.40
For >25 To 50, Deduct	*-18.56*	
For >50 To 100, Deduct	*-31.19*	
For >100, Deduct	*-46.65*	
08 14 16 00-0055 EA 2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	355.47	76.74
For >25 To 50, Deduct	*-19.59*	
For >50 To 100, Deduct	*-33.02*	
For >100, Deduct	*-49.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	365.33	76.74
		For >25 To 50, Deduct	*-19.98*	
		For >50 To 100, Deduct	*-33.88*	
		For >100, Deduct	*-50.96*	
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.06	76.74
		For >25 To 50, Deduct	*-20.05*	
		For >50 To 100, Deduct	*-34.04*	
		For >100, Deduct	*-51.22*	
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	375.47	80.07
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-34.86*	
		For >100, Deduct	*-52.32*	
08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	396.47	80.07
		For >25 To 50, Deduct	*-21.46*	
		For >50 To 100, Deduct	*-36.69*	
		For >100, Deduct	*-55.47*	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	418.27	83.41
		For >25 To 50, Deduct	*-22.57*	
		For >50 To 100, Deduct	*-38.68*	
		For >100, Deduct	*-58.57*	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	346.42	73.40
		For >25 To 50, Deduct	*-19.00*	
		For >50 To 100, Deduct	*-32.15*	
		For >100, Deduct	*-48.29*	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	346.42	73.40
		For >25 To 50, Deduct	*-19.00*	
		For >50 To 100, Deduct	*-32.15*	
		For >100, Deduct	*-48.29*	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.24	76.74
		For >25 To 50, Deduct	*-20.06*	
		For >50 To 100, Deduct	*-34.05*	
		For >100, Deduct	*-51.25*	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	377.65	76.74
		For >25 To 50, Deduct	*-20.48*	
		For >50 To 100, Deduct	*-34.96*	
		For >100, Deduct	*-52.81*	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	379.49	76.74
		For >25 To 50, Deduct	*-20.55*	
		For >50 To 100, Deduct	*-35.12*	
		For >100, Deduct	*-53.09*	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.98	80.07
		For >25 To 50, Deduct	*-21.12*	
		For >50 To 100, Deduct	*-35.95*	
		For >100, Deduct	*-54.19*	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	410.21	80.07
		For >25 To 50, Deduct	*-22.01*	
		For >50 To 100, Deduct	*-37.90*	
		For >100, Deduct	*-57.53*	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	432.91	83.41
		For >25 To 50, Deduct	*-23.16*	
		For >50 To 100, Deduct	*-39.96*	
		For >100, Deduct	*-60.77*	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	385.36	73.40
		For >25 To 50, Deduct	*-20.55*	
		For >50 To 100, Deduct	*-35.55*	
		For >100, Deduct	*-54.13*	
		For 9' Door Height, Add	*50.10*	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	385.36	73.40
		For >25 To 50, Deduct	*-20.55*	
		For >50 To 100, Deduct	*-35.55*	
		For >100, Deduct	*-54.13*	
		For 9' Door Height, Add	*50.10*	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	408.92	76.74
		For >25 To 50, Deduct	*-21.73*	
		For >50 To 100, Deduct	*-37.70*	
		For >100, Deduct	*-57.50*	
		For 9' Door Height, Add	*53.64*	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	421.34	76.74
		For >25 To 50, Deduct	*-22.23*	
		For >50 To 100, Deduct	*-38.79*	
		For >100, Deduct	*-59.36*	
		For 9' Door Height, Add	*56.25*	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	423.55	76.74
		For >25 To 50, Deduct	*-22.31*	
		For >50 To 100, Deduct	*-38.98*	
		For >100, Deduct	*-59.70*	
		For 9' Door Height, Add	*56.72*	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	432.41	80.07
		For >25 To 50, Deduct	*-22.90*	
		For >50 To 100, Deduct	*-39.84*	
		For >100, Deduct	*-60.86*	
		For 9' Door Height, Add	*57.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	459.00	80.07
		For >25 To 50, Deduct	*-23.97*	
		For >50 To 100, Deduct	*-42.16*	
		For >100, Deduct	*-64.85*	
		For 9' Door Height, Add	*62.76*	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	484.80	83.41
		For >25 To 50, Deduct	*-25.23*	
		For >50 To 100, Deduct	*-44.51*	
		For >100, Deduct	*-68.55*	
		For 9' Door Height, Add	*66.78*	

08 14 16 00-0077 Lauan Faced Wood Doors *(08 14 16 00-0001)*

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	238.19	73.40
		For >25 To 50, Deduct	*-14.67*	
		For >50 To 100, Deduct	*-22.68*	
		For >100, Deduct	*-32.06*	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	238.19	73.40
		For >25 To 50, Deduct	*-14.67*	
		For >50 To 100, Deduct	*-22.68*	
		For >100, Deduct	*-32.06*	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	251.04	76.74
		For >25 To 50, Deduct	*-15.41*	
		For >50 To 100, Deduct	*-23.88*	
		For >100, Deduct	*-33.82*	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.27	76.74
		For >25 To 50, Deduct	*-15.62*	
		For >50 To 100, Deduct	*-24.34*	
		For >100, Deduct	*-34.60*	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	258.11	76.74
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-24.50*	
		For >100, Deduct	*-34.88*	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	266.64	80.07
		For >25 To 50, Deduct	*-16.27*	
		For >50 To 100, Deduct	*-25.33*	
		For >100, Deduct	*-35.99*	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.82	80.07
		For >25 To 50, Deduct	*-16.68*	
		For >50 To 100, Deduct	*-26.22*	
		For >100, Deduct	*-37.52*	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	290.97	83.41
		For >25 To 50, Deduct	*-17.48*	
		For >50 To 100, Deduct	*-27.55*	
		For >100, Deduct	*-39.48*	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	243.50	73.40
		For >25 To 50, Deduct	*-14.88*	
		For >50 To 100, Deduct	*-23.14*	
		For >100, Deduct	*-32.85*	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	247.36	73.40
		For >25 To 50, Deduct	*-15.03*	
		For >50 To 100, Deduct	*-23.48*	
		For >100, Deduct	*-33.43*	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	256.72	76.74
		For >25 To 50, Deduct	*-15.64*	
		For >50 To 100, Deduct	*-24.38*	
		For >100, Deduct	*-34.67*	
08 14 16 00-0089	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.25	76.74
		For >25 To 50, Deduct	*-15.86*	
		For >50 To 100, Deduct	*-24.87*	
		For >100, Deduct	*-35.50*	
08 14 16 00-0090	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	268.63	76.74
		For >25 To 50, Deduct	*-16.12*	
		For >50 To 100, Deduct	*-25.42*	
		For >100, Deduct	*-36.46*	
08 14 16 00-0091	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	272.83	80.07
		For >25 To 50, Deduct	*-16.52*	
		For >50 To 100, Deduct	*-25.87*	
		For >100, Deduct	*-36.92*	
08 14 16 00-0092	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	283.61	80.07
		For >25 To 50, Deduct	*-16.95*	
		For >50 To 100, Deduct	*-26.82*	
		For >100, Deduct	*-38.54*	
08 14 16 00-0093	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	303.44	83.41
		For >25 To 50, Deduct	*-17.98*	
		For >50 To 100, Deduct	*-28.64*	
		For >100, Deduct	*-41.35*	
08 14 16 00-0094	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.37	73.40
		For >25 To 50, Deduct	*-15.63*	
		For >50 To 100, Deduct	*-24.79*	
		For >100, Deduct	*-35.69*	
		For 9' Door Height, Add	*24.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0095	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.34	73.40
		For >25 To 50, Deduct	*-15.63*	
		For >50 To 100, Deduct	*-24.79*	
		For >100, Deduct	*-35.68*	
		For 9' Door Height, Add	*24.26*	
08 14 16 00-0096	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	276.86	76.74
		For >25 To 50, Deduct	*-16.45*	
		For >50 To 100, Deduct	*-26.14*	
		For >100, Deduct	*-37.69*	
		For 9' Door Height, Add	*25.91*	
08 14 16 00-0097	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	283.45	76.74
		For >25 To 50, Deduct	*-16.71*	
		For >50 To 100, Deduct	*-26.72*	
		For >100, Deduct	*-38.68*	
		For 9' Door Height, Add	*27.30*	
08 14 16 00-0098	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.80	76.74
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-26.93*	
		For >100, Deduct	*-39.03*	
		For 9' Door Height, Add	*27.79*	
08 14 16 00-0099	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	294.81	80.07
		For >25 To 50, Deduct	*-17.40*	
		For >50 To 100, Deduct	*-27.80*	
		For >100, Deduct	*-40.22*	
		For 9' Door Height, Add	*28.28*	
08 14 16 00-0100	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.69	80.07
		For >25 To 50, Deduct	*-17.91*	
		For >50 To 100, Deduct	*-28.92*	
		For >100, Deduct	*-42.15*	
		For 9' Door Height, Add	*30.98*	
08 14 16 00-0101	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	323.79	83.41
		For >25 To 50, Deduct	*-18.79*	
		For >50 To 100, Deduct	*-30.42*	
		For >100, Deduct	*-44.40*	
		For 9' Door Height, Add	*32.96*	
08 14 16 00-0102		Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0001)*		
08 14 16 00-0103	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	263.02	73.40
		For >25 To 50, Deduct	*-15.66*	
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-35.78*	
08 14 16 00-0104	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	263.02	73.40
		For >25 To 50, Deduct	*-15.66*	
		For >50 To 100, Deduct	*-24.85*	
		For >100, Deduct	*-35.78*	
08 14 16 00-0105	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	278.15	76.74
		For >25 To 50, Deduct	*-16.50*	
		For >50 To 100, Deduct	*-26.26*	
		For >100, Deduct	*-37.89*	
08 14 16 00-0106	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	282.16	76.74
		For >25 To 50, Deduct	*-16.66*	
		For >50 To 100, Deduct	*-26.61*	
		For >100, Deduct	*-38.49*	
08 14 16 00-0107	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	286.19	76.74
		For >25 To 50, Deduct	*-16.82*	
		For >50 To 100, Deduct	*-26.96*	
		For >100, Deduct	*-39.09*	
08 14 16 00-0108	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	296.87	80.07
		For >25 To 50, Deduct	*-17.48*	
		For >50 To 100, Deduct	*-27.98*	
		For >100, Deduct	*-40.53*	
08 14 16 00-0109	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	311.92	80.07
		For >25 To 50, Deduct	*-18.08*	
		For >50 To 100, Deduct	*-29.29*	
		For >100, Deduct	*-42.78*	
08 14 16 00-0110	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	328.29	83.41
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-30.81*	
		For >100, Deduct	*-45.07*	
08 14 16 00-0111	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	269.77	73.40
		For >25 To 50, Deduct	*-15.93*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-36.80*	
08 14 16 00-0112	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	269.77	73.40
		For >25 To 50, Deduct	*-15.93*	
		For >50 To 100, Deduct	*-25.44*	
		For >100, Deduct	*-36.80*	
08 14 16 00-0113	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	285.40	76.74
		For >25 To 50, Deduct	*-16.79*	
		For >50 To 100, Deduct	*-26.89*	
		For >100, Deduct	*-38.97*	
08 14 16 00-0114	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	289.65	76.74
		For >25 To 50, Deduct	*-16.96*	
		For >50 To 100, Deduct	*-27.26*	
		For >100, Deduct	*-39.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0115	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	293.92	76.74
		For >25 To 50, Deduct	*-17.13*	
		For >50 To 100, Deduct	*-27.64*	
		For >100, Deduct	*-40.25*	
08 14 16 00-0116	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	304.84	80.07
		For >25 To 50, Deduct	*-17.80*	
		For >50 To 100, Deduct	*-28.68*	
		For >100, Deduct	*-41.72*	
08 14 16 00-0117	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	320.76	80.07
		For >25 To 50, Deduct	*-18.44*	
		For >50 To 100, Deduct	*-30.07*	
		For >100, Deduct	*-44.11*	
08 14 16 00-0118	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	337.69	83.41
		For >25 To 50, Deduct	*-19.35*	
		For >50 To 100, Deduct	*-31.63*	
		For >100, Deduct	*-46.48*	
08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	293.73	73.40
		For >25 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-27.54*	
		For >100, Deduct	*-40.39*	
		For 9' Door Height, Add	*30.85*	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	293.76	73.40
		For >25 To 50, Deduct	*-16.89*	
		For >50 To 100, Deduct	*-27.54*	
		For >100, Deduct	*-40.39*	
		For 9' Door Height, Add	*30.86*	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	311.12	76.74
		For >25 To 50, Deduct	*-17.82*	
		For >50 To 100, Deduct	*-29.14*	
		For >100, Deduct	*-42.83*	
		For 9' Door Height, Add	*33.11*	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	316.22	76.74
		For >25 To 50, Deduct	*-18.02*	
		For >50 To 100, Deduct	*-29.59*	
		For >100, Deduct	*-43.60*	
		For 9' Door Height, Add	*34.18*	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	321.32	76.74
		For >25 To 50, Deduct	*-18.22*	
		For >50 To 100, Deduct	*-30.03*	
		For >100, Deduct	*-44.36*	
		For 9' Door Height, Add	*35.25*	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	333.07	80.07
		For >25 To 50, Deduct	*-18.93*	
		For >50 To 100, Deduct	*-31.15*	
		For >100, Deduct	*-45.96*	
		For 9' Door Height, Add	*36.31*	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	352.08	80.07
		For >25 To 50, Deduct	*-19.69*	
		For >50 To 100, Deduct	*-32.81*	
		For >100, Deduct	*-48.81*	
		For 9' Door Height, Add	*40.31*	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	371.02	83.41
		For >25 To 50, Deduct	*-20.68*	
		For >50 To 100, Deduct	*-34.55*	
		For >100, Deduct	*-51.48*	
		For 9' Door Height, Add	*42.88*	

08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors *(08 14 16)*

08 14 16 00-0128 Birch Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	305.67	73.40
		For >25 To 50, Deduct	*-17.37*	
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-42.18*	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	305.67	73.40
		For >25 To 50, Deduct	*-17.37*	
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-42.18*	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	318.32	76.74
		For >25 To 50, Deduct	*-18.10*	
		For >50 To 100, Deduct	*-29.77*	
		For >100, Deduct	*-43.91*	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	320.55	76.74
		For >25 To 50, Deduct	*-18.19*	
		For >50 To 100, Deduct	*-29.97*	
		For >100, Deduct	*-44.25*	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	325.44	76.74
		For >25 To 50, Deduct	*-18.39*	
		For >50 To 100, Deduct	*-30.39*	
		For >100, Deduct	*-44.98*	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	337.01	80.07
		For >25 To 50, Deduct	*-19.09*	
		For >50 To 100, Deduct	*-31.49*	
		For >100, Deduct	*-46.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	362.94	80.07
		For >25 To 50, Deduct	*-20.12*	
		For >50 To 100, Deduct	*-33.76*	
		For >100, Deduct	*-50.44*	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	422.24	83.41
		For >25 To 50, Deduct	*-22.73*	
		For >50 To 100, Deduct	*-39.03*	
		For >100, Deduct	*-59.17*	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	435.01	83.41
		For >25 To 50, Deduct	*-23.24*	
		For >50 To 100, Deduct	*-40.15*	
		For >100, Deduct	*-61.08*	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	460.55	83.41
		For >25 To 50, Deduct	*-24.26*	
		For >50 To 100, Deduct	*-42.38*	
		For >100, Deduct	*-64.91*	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.93	73.40
		For >25 To 50, Deduct	*-17.74*	
		For >50 To 100, Deduct	*-29.39*	
		For >100, Deduct	*-43.57*	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.92	73.40
		For >25 To 50, Deduct	*-17.74*	
		For >50 To 100, Deduct	*-29.39*	
		For >100, Deduct	*-43.57*	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	327.91	76.74
		For >25 To 50, Deduct	*-18.49*	
		For >50 To 100, Deduct	*-30.61*	
		For >100, Deduct	*-45.35*	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	330.28	76.74
		For >25 To 50, Deduct	*-18.58*	
		For >50 To 100, Deduct	*-30.82*	
		For >100, Deduct	*-45.71*	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	335.45	76.74
		For >25 To 50, Deduct	*-18.79*	
		For >50 To 100, Deduct	*-31.27*	
		For >100, Deduct	*-46.48*	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	347.29	80.07
		For >25 To 50, Deduct	*-19.50*	
		For >50 To 100, Deduct	*-32.39*	
		For >100, Deduct	*-48.09*	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	374.74	80.07
		For >25 To 50, Deduct	*-20.59*	
		For >50 To 100, Deduct	*-34.79*	
		For >100, Deduct	*-52.21*	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	437.12	83.41
		For >25 To 50, Deduct	*-23.32*	
		For >50 To 100, Deduct	*-40.33*	
		For >100, Deduct	*-61.40*	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	450.62	83.41
		For >25 To 50, Deduct	*-23.86*	
		For >50 To 100, Deduct	*-41.51*	
		For >100, Deduct	*-63.42*	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	477.65	83.41
		For >25 To 50, Deduct	*-24.94*	
		For >50 To 100, Deduct	*-43.88*	
		For >100, Deduct	*-67.48*	
08 14 16 00-0149	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	347.71	73.40
		For >25 To 50, Deduct	*-19.05*	
		For >50 To 100, Deduct	*-32.26*	
		For >100, Deduct	*-48.49*	
		For 9' Door Height, Add	*42.19*	
08 14 16 00-0150	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	347.71	73.40
		For >25 To 50, Deduct	*-19.05*	
		For >50 To 100, Deduct	*-32.26*	
		For >100, Deduct	*-48.49*	
		For 9' Door Height, Add	*42.19*	
08 14 16 00-0151	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	361.94	76.74
		For >25 To 50, Deduct	*-19.85*	
		For >50 To 100, Deduct	*-33.59*	
		For >100, Deduct	*-50.45*	
		For 9' Door Height, Add	*43.78*	
08 14 16 00-0152	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	364.75	76.74
		For >25 To 50, Deduct	*-19.96*	
		For >50 To 100, Deduct	*-33.83*	
		For >100, Deduct	*-50.88*	
		For 9' Door Height, Add	*44.37*	
08 14 16 00-0153	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	370.95	76.74
		For >25 To 50, Deduct	*-20.21*	
		For >50 To 100, Deduct	*-34.38*	
		For >100, Deduct	*-51.81*	
		For 9' Door Height, Add	*45.67*	
08 14 16 00-0154	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	383.78	80.07
		For >25 To 50, Deduct	*-20.96*	
		For >50 To 100, Deduct	*-35.58*	
		For >100, Deduct	*-53.56*	
		For 9' Door Height, Add	*46.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0155	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	416.59	80.07
		For >25 To 50, Deduct	*-22.27*	
		For >50 To 100, Deduct	*-38.45*	
		For >100, Deduct	*-58.48*	
		For 9' Door Height, Add	*53.85*	
08 14 16 00-0156	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	489.82	83.41
		For >25 To 50, Deduct	*-25.43*	
		For >50 To 100, Deduct	*-44.94*	
		For >100, Deduct	*-69.30*	
		For 9' Door Height, Add	*67.83*	
08 14 16 00-0157	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	505.95	83.41
		For >25 To 50, Deduct	*-26.08*	
		For >50 To 100, Deduct	*-46.36*	
		For >100, Deduct	*-71.72*	
		For 9' Door Height, Add	*71.22*	
08 14 16 00-0158	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	538.27	83.41
		For >25 To 50, Deduct	*-27.37*	
		For >50 To 100, Deduct	*-49.18*	
		For >100, Deduct	*-76.57*	
		For 9' Door Height, Add	*78.00*	

08 14 16 00-0159 Oak Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0160	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	489.14	73.40
		For >25 To 50, Deduct	*-24.70*	
		For >50 To 100, Deduct	*-44.63*	
		For >100, Deduct	*-69.70*	
08 14 16 00-0161	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	489.14	73.40
		For >25 To 50, Deduct	*-24.70*	
		For >50 To 100, Deduct	*-44.63*	
		For >100, Deduct	*-69.70*	
08 14 16 00-0162	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	508.67	76.74
		For >25 To 50, Deduct	*-25.72*	
		For >50 To 100, Deduct	*-46.43*	
		For >100, Deduct	*-72.46*	
08 14 16 00-0163	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	513.49	76.74
		For >25 To 50, Deduct	*-25.91*	
		For >50 To 100, Deduct	*-46.85*	
		For >100, Deduct	*-73.19*	
08 14 16 00-0164	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	524.03	76.74
		For >25 To 50, Deduct	*-26.33*	
		For >50 To 100, Deduct	*-47.77*	
		For >100, Deduct	*-74.77*	
08 14 16 00-0165	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	541.21	80.07
		For >25 To 50, Deduct	*-27.25*	
		For >50 To 100, Deduct	*-49.36*	
		For >100, Deduct	*-77.18*	
08 14 16 00-0166	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	597.10	80.07
		For >25 To 50, Deduct	*-29.49*	
		For >50 To 100, Deduct	*-54.25*	
		For >100, Deduct	*-85.56*	
08 14 16 00-0167	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	717.19	83.41
		For >25 To 50, Deduct	*-34.53*	
		For >50 To 100, Deduct	*-64.84*	
		For >100, Deduct	*-103.41*	
08 14 16 00-0168	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	744.73	83.41
		For >25 To 50, Deduct	*-35.63*	
		For >50 To 100, Deduct	*-67.25*	
		For >100, Deduct	*-107.54*	
08 14 16 00-0169	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	799.80	83.41
		For >25 To 50, Deduct	*-37.83*	
		For >50 To 100, Deduct	*-72.07*	
		For >100, Deduct	*-115.80*	
08 14 16 00-0170	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	509.05	73.40
		For >25 To 50, Deduct	*-25.50*	
		For >50 To 100, Deduct	*-46.38*	
		For >100, Deduct	*-72.69*	
08 14 16 00-0171	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	509.06	73.40
		For >25 To 50, Deduct	*-25.50*	
		For >50 To 100, Deduct	*-46.38*	
		For >100, Deduct	*-72.69*	
08 14 16 00-0172	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	529.34	76.74
		For >25 To 50, Deduct	*-26.55*	
		For >50 To 100, Deduct	*-48.24*	
		For >100, Deduct	*-75.56*	
08 14 16 00-0173	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	534.44	76.74
		For >25 To 50, Deduct	*-26.75*	
		For >50 To 100, Deduct	*-48.68*	
		For >100, Deduct	*-76.33*	
08 14 16 00-0174	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	545.58	76.74
		For >25 To 50, Deduct	*-27.19*	
		For >50 To 100, Deduct	*-49.66*	
		For >100, Deduct	*-78.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0175	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	563.38	80.07
		For >25 To 50, Deduct	*-28.14*	
		For >50 To 100, Deduct	*-51.30*	
		For >100, Deduct	*-80.50*	
08 14 16 00-0176	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	622.53	80.07
		For >25 To 50, Deduct	*-30.51*	
		For >50 To 100, Deduct	*-56.47*	
		For >100, Deduct	*-89.38*	
08 14 16 00-0177	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	749.23	83.41
		For >25 To 50, Deduct	*-35.81*	
		For >50 To 100, Deduct	*-67.64*	
		For >100, Deduct	*-108.21*	
08 14 16 00-0178	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	778.38	83.41
		For >25 To 50, Deduct	*-36.97*	
		For >50 To 100, Deduct	*-70.19*	
		For >100, Deduct	*-112.59*	
08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	836.64	83.41
		For >25 To 50, Deduct	*-39.30*	
		For >50 To 100, Deduct	*-75.29*	
		For >100, Deduct	*-121.33*	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	579.67	73.40
		For >25 To 50, Deduct	*-28.33*	
		For >50 To 100, Deduct	*-52.56*	
		For >100, Deduct	*-83.28*	
		For 9' Door Height, Add	*90.90*	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	579.71	73.40
		For >25 To 50, Deduct	*-28.33*	
		For >50 To 100, Deduct	*-52.56*	
		For >100, Deduct	*-83.29*	
		For 9' Door Height, Add	*90.91*	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	602.64	76.74
		For >25 To 50, Deduct	*-29.48*	
		For >50 To 100, Deduct	*-54.65*	
		For >100, Deduct	*-86.56*	
		For 9' Door Height, Add	*94.33*	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	608.71	76.74
		For >25 To 50, Deduct	*-29.72*	
		For >50 To 100, Deduct	*-55.18*	
		For >100, Deduct	*-87.47*	
		For 9' Door Height, Add	*95.60*	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	622.04	76.74
		For >25 To 50, Deduct	*-30.25*	
		For >50 To 100, Deduct	*-56.35*	
		For >100, Deduct	*-89.47*	
		For 9' Door Height, Add	*98.40*	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	642.02	80.07
		For >25 To 50, Deduct	*-31.29*	
		For >50 To 100, Deduct	*-58.18*	
		For >100, Deduct	*-92.30*	
		For 9' Door Height, Add	*101.19*	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	712.72	80.07
		For >25 To 50, Deduct	*-34.11*	
		For >50 To 100, Deduct	*-64.36*	
		For >100, Deduct	*-102.90*	
		For 9' Door Height, Add	*116.04*	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	862.80	83.41
		For >25 To 50, Deduct	*-40.35*	
		For >50 To 100, Deduct	*-77.58*	
		For >100, Deduct	*-125.25*	
		For 9' Door Height, Add	*146.16*	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	897.65	83.41
		For >25 To 50, Deduct	*-41.74*	
		For >50 To 100, Deduct	*-80.63*	
		For >100, Deduct	*-130.48*	
		For 9' Door Height, Add	*153.47*	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	967.27	83.41
		For >25 To 50, Deduct	*-44.53*	
		For >50 To 100, Deduct	*-86.72*	
		For >100, Deduct	*-140.92*	
		For 9' Door Height, Add	*168.09*	

08 14 16 00-0190 Maple Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	397.66	73.40
		For >25 To 50, Deduct	*-21.04*	
		For >50 To 100, Deduct	*-36.63*	
		For >100, Deduct	*-55.98*	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	397.66	73.40
		For >25 To 50, Deduct	*-21.04*	
		For >50 To 100, Deduct	*-36.63*	
		For >100, Deduct	*-55.98*	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	413.75	76.74
		For >25 To 50, Deduct	*-21.92*	
		For >50 To 100, Deduct	*-38.12*	
		For >100, Deduct	*-58.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	417.43	76.74
		For >25 To 50, Deduct	*-22.07*	
		For >50 To 100, Deduct	*-38.44*	
		For >100, Deduct	*-58.78*	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	425.07	76.74
		For >25 To 50, Deduct	*-22.37*	
		For >50 To 100, Deduct	*-39.11*	
		For >100, Deduct	*-59.92*	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	439.37	80.07
		For >25 To 50, Deduct	*-23.18*	
		For >50 To 100, Deduct	*-40.45*	
		For >100, Deduct	*-61.90*	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	480.34	80.07
		For >25 To 50, Deduct	*-24.82*	
		For >50 To 100, Deduct	*-44.03*	
		For >100, Deduct	*-68.05*	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	550.07	83.41
		For >25 To 50, Deduct	*-27.84*	
		For >50 To 100, Deduct	*-50.22*	
		For >100, Deduct	*-78.34*	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	590.29	83.41
		For >25 To 50, Deduct	*-29.45*	
		For >50 To 100, Deduct	*-53.74*	
		For >100, Deduct	*-84.37*	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	630.65	83.41
		For >25 To 50, Deduct	*-31.06*	
		For >50 To 100, Deduct	*-57.27*	
		For >100, Deduct	*-90.43*	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.27	73.40
		For >25 To 50, Deduct	*-21.63*	
		For >50 To 100, Deduct	*-37.91*	
		For >100, Deduct	*-58.17*	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.27	73.40
		For >25 To 50, Deduct	*-21.63*	
		For >50 To 100, Deduct	*-37.91*	
		For >100, Deduct	*-58.17*	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	428.88	76.74
		For >25 To 50, Deduct	*-22.53*	
		For >50 To 100, Deduct	*-39.45*	
		For >100, Deduct	*-60.50*	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	432.80	76.74
		For >25 To 50, Deduct	*-22.68*	
		For >50 To 100, Deduct	*-39.79*	
		For >100, Deduct	*-61.08*	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	440.87	76.74
		For >25 To 50, Deduct	*-23.01*	
		For >50 To 100, Deduct	*-40.49*	
		For >100, Deduct	*-62.29*	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	455.61	80.07
		For >25 To 50, Deduct	*-23.83*	
		For >50 To 100, Deduct	*-41.87*	
		For >100, Deduct	*-64.34*	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	498.97	80.07
		For >25 To 50, Deduct	*-25.56*	
		For >50 To 100, Deduct	*-45.66*	
		For >100, Deduct	*-70.84*	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	572.27	83.41
		For >25 To 50, Deduct	*-28.73*	
		For >50 To 100, Deduct	*-52.16*	
		For >100, Deduct	*-81.67*	
08 14 16 00-0209	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	614.97	83.41
		For >25 To 50, Deduct	*-30.44*	
		For >50 To 100, Deduct	*-55.90*	
		For >100, Deduct	*-88.08*	
08 14 16 00-0210	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	657.64	83.41
		For >25 To 50, Deduct	*-32.14*	
		For >50 To 100, Deduct	*-59.63*	
		For >100, Deduct	*-94.48*	
08 14 16 00-0211	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	464.03	73.40
		For >25 To 50, Deduct	*-23.70*	
		For >50 To 100, Deduct	*-42.44*	
		For >100, Deduct	*-65.93*	
		For 9' Door Height, Add	*66.62*	
08 14 16 00-0212	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	464.03	73.40
		For >25 To 50, Deduct	*-23.70*	
		For >50 To 100, Deduct	*-42.44*	
		For >100, Deduct	*-65.93*	
		For 9' Door Height, Add	*66.62*	
08 14 16 00-0213	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	482.59	76.74
		For >25 To 50, Deduct	*-24.68*	
		For >50 To 100, Deduct	*-44.15*	
		For >100, Deduct	*-68.55*	
		For 9' Door Height, Add	*69.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0214	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	487.27	76.74
		For >25 To 50, Deduct	*-24.86*	
		For >50 To 100, Deduct	*-44.55*	
		For >100, Deduct	*-69.25*	
		For 9' Door Height, Add	*70.10*	
08 14 16 00-0215	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	496.88	76.74
		For >25 To 50, Deduct	*-25.25*	
		For >50 To 100, Deduct	*-45.40*	
		For >100, Deduct	*-70.70*	
		For 9' Door Height, Add	*72.12*	
08 14 16 00-0216	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	513.23	80.07
		For >25 To 50, Deduct	*-26.13*	
		For >50 To 100, Deduct	*-46.91*	
		For >100, Deduct	*-72.98*	
		For 9' Door Height, Add	*74.15*	
08 14 16 00-0217	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	565.02	80.07
		For >25 To 50, Deduct	*-28.21*	
		For >50 To 100, Deduct	*-51.44*	
		For >100, Deduct	*-80.75*	
		For 9' Door Height, Add	*85.02*	
08 14 16 00-0218	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	651.36	83.41
		For >25 To 50, Deduct	*-31.89*	
		For >50 To 100, Deduct	*-59.08*	
		For >100, Deduct	*-93.53*	
		For 9' Door Height, Add	*101.75*	
08 14 16 00-0219	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	702.36	83.41
		For >25 To 50, Deduct	*-33.93*	
		For >50 To 100, Deduct	*-63.54*	
		For >100, Deduct	*-101.18*	
		For 9' Door Height, Add	*112.46*	
08 14 16 00-0220	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	753.38	83.41
		For >25 To 50, Deduct	*-35.97*	
		For >50 To 100, Deduct	*-68.01*	
		For >100, Deduct	*-108.84*	
		For 9' Door Height, Add	*123.18*	

08 14 16 00-0221 Walnut Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0222	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	610.57	73.40
		For >25 To 50, Deduct	*-29.56*	
		For >50 To 100, Deduct	*-55.26*	
		For >100, Deduct	*-87.92*	
08 14 16 00-0223	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	610.57	73.40
		For >25 To 50, Deduct	*-29.56*	
		For >50 To 100, Deduct	*-55.26*	
		For >100, Deduct	*-87.92*	
08 14 16 00-0224	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	620.45	76.74
		For >25 To 50, Deduct	*-30.19*	
		For >50 To 100, Deduct	*-56.21*	
		For >100, Deduct	*-89.23*	
08 14 16 00-0225	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	641.02	76.74
		For >25 To 50, Deduct	*-31.01*	
		For >50 To 100, Deduct	*-58.01*	
		For >100, Deduct	*-92.32*	
08 14 16 00-0226	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	644.16	76.74
		For >25 To 50, Deduct	*-31.14*	
		For >50 To 100, Deduct	*-58.28*	
		For >100, Deduct	*-92.79*	
08 14 16 00-0227	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	653.98	80.07
		For >25 To 50, Deduct	*-31.76*	
		For >50 To 100, Deduct	*-59.23*	
		For >100, Deduct	*-94.09*	
08 14 16 00-0228	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	709.10	80.07
		For >25 To 50, Deduct	*-33.97*	
		For >50 To 100, Deduct	*-64.05*	
		For >100, Deduct	*-102.36*	
08 14 16 00-0229	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	858.06	83.41
		For >25 To 50, Deduct	*-40.16*	
		For >50 To 100, Deduct	*-77.17*	
		For >100, Deduct	*-124.54*	
08 14 16 00-0230	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	892.62	83.41
		For >25 To 50, Deduct	*-41.54*	
		For >50 To 100, Deduct	*-80.19*	
		For >100, Deduct	*-129.72*	
08 14 16 00-0231	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	961.81	83.41
		For >25 To 50, Deduct	*-44.31*	
		For >50 To 100, Deduct	*-86.24*	
		For >100, Deduct	*-140.10*	
08 14 16 00-0232	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	637.54	73.40
		For >25 To 50, Deduct	*-30.64*	
		For >50 To 100, Deduct	*-57.62*	
		For >100, Deduct	*-91.96*	
08 14 16 00-0233	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	637.54	73.40
		For >25 To 50, Deduct	*-30.64*	
		For >50 To 100, Deduct	*-57.62*	
		For >100, Deduct	*-91.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0234	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	647.65	76.74
		For >25 To 50, Deduct	*-31.28*	
		For >50 To 100, Deduct	*-58.59*	
		For >100, Deduct	*-93.31*	
08 14 16 00-0235	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	669.38	76.74
		For >25 To 50, Deduct	*-32.15*	
		For >50 To 100, Deduct	*-60.49*	
		For >100, Deduct	*-96.57*	
08 14 16 00-0236	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	672.73	76.74
		For >25 To 50, Deduct	*-32.28*	
		For >50 To 100, Deduct	*-60.78*	
		For >100, Deduct	*-97.07*	
08 14 16 00-0237	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	682.73	80.07
		For >25 To 50, Deduct	*-32.91*	
		For >50 To 100, Deduct	*-61.74*	
		For >100, Deduct	*-98.41*	
08 14 16 00-0238	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	741.03	80.07
		For >25 To 50, Deduct	*-35.25*	
		For >50 To 100, Deduct	*-66.84*	
		For >100, Deduct	*-107.15*	
08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	898.30	83.41
		For >25 To 50, Deduct	*-41.77*	
		For >50 To 100, Deduct	*-80.69*	
		For >100, Deduct	*-130.57*	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	934.87	83.41
		For >25 To 50, Deduct	*-43.23*	
		For >50 To 100, Deduct	*-83.89*	
		For >100, Deduct	*-136.06*	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,008.06	83.41
		For >25 To 50, Deduct	*-46.16*	
		For >50 To 100, Deduct	*-90.29*	
		For >100, Deduct	*-147.04*	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	733.24	73.40
		For >25 To 50, Deduct	*-34.47*	
		For >50 To 100, Deduct	*-65.99*	
		For >100, Deduct	*-106.32*	
		For 9' Door Height, Add	*123.15*	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	733.24	73.40
		For >25 To 50, Deduct	*-34.47*	
		For >50 To 100, Deduct	*-65.99*	
		For >100, Deduct	*-106.32*	
		For 9' Door Height, Add	*123.15*	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	744.03	76.74
		For >25 To 50, Deduct	*-35.13*	
		For >50 To 100, Deduct	*-67.02*	
		For >100, Deduct	*-107.77*	
		For 9' Door Height, Add	*124.02*	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	769.98	76.74
		For >25 To 50, Deduct	*-36.17*	
		For >50 To 100, Deduct	*-69.29*	
		For >100, Deduct	*-111.66*	
		For 9' Door Height, Add	*129.47*	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	773.98	76.74
		For >25 To 50, Deduct	*-36.33*	
		For >50 To 100, Deduct	*-69.64*	
		For >100, Deduct	*-112.26*	
		For 9' Door Height, Add	*130.31*	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	784.62	80.07
		For >25 To 50, Deduct	*-36.99*	
		For >50 To 100, Deduct	*-70.66*	
		For >100, Deduct	*-113.69*	
		For 9' Door Height, Add	*131.14*	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	854.32	80.07
		For >25 To 50, Deduct	*-39.78*	
		For >50 To 100, Deduct	*-76.75*	
		For >100, Deduct	*-124.14*	
		For 9' Door Height, Add	*145.78*	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,040.93	83.41
		For >25 To 50, Deduct	*-47.48*	
		For >50 To 100, Deduct	*-93.17*	
		For >100, Deduct	*-151.97*	
		For 9' Door Height, Add	*183.56*	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,084.65	83.41
		For >25 To 50, Deduct	*-49.22*	
		For >50 To 100, Deduct	*-96.99*	
		For >100, Deduct	*-158.53*	
		For 9' Door Height, Add	*192.74*	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Walnut Faced Wood Door	1,172.08	83.41
		For >25 To 50, Deduct	*-52.72*	
		For >50 To 100, Deduct	*-104.64*	
		For >100, Deduct	*-171.64*	
		For 9' Door Height, Add	*211.10*	

08 14 16 00-0252 Lauan Faced Wood Doors *(08 14 16 00-0127)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.90	73.40
		For >25 To 50, Deduct	*-15.65*	
		For >50 To 100, Deduct	*-24.84*	
		For >100, Deduct	*-35.76*	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	262.90	73.40
		For >25 To 50, Deduct	*-15.65*	
		For >50 To 100, Deduct	*-24.84*	
		For >100, Deduct	*-35.76*	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	277.54	76.74
		For >25 To 50, Deduct	*-16.47*	
		For >50 To 100, Deduct	*-26.20*	
		For >100, Deduct	*-37.79*	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	284.03	76.74
		For >25 To 50, Deduct	*-16.73*	
		For >50 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-38.77*	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	285.32	76.74
		For >25 To 50, Deduct	*-16.78*	
		For >50 To 100, Deduct	*-26.88*	
		For >100, Deduct	*-38.96*	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	293.29	80.07
		For >25 To 50, Deduct	*-17.34*	
		For >50 To 100, Deduct	*-27.66*	
		For >100, Deduct	*-39.99*	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	307.92	80.07
		For >25 To 50, Deduct	*-17.92*	
		For >50 To 100, Deduct	*-28.94*	
		For >100, Deduct	*-42.18*	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	333.46	83.41
		For >25 To 50, Deduct	*-19.18*	
		For >50 To 100, Deduct	*-31.26*	
		For >100, Deduct	*-45.85*	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	341.77	83.41
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-31.99*	
		For >100, Deduct	*-47.10*	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	358.45	83.41
		For >25 To 50, Deduct	*-20.18*	
		For >50 To 100, Deduct	*-33.45*	
		For >100, Deduct	*-49.60*	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	269.64	73.40
		For >25 To 50, Deduct	*-15.92*	
		For >50 To 100, Deduct	*-25.43*	
		For >100, Deduct	*-36.78*	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	269.64	73.40
		For >25 To 50, Deduct	*-15.92*	
		For >50 To 100, Deduct	*-25.43*	
		For >100, Deduct	*-36.78*	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	284.77	76.74
		For >25 To 50, Deduct	*-16.76*	
		For >50 To 100, Deduct	*-26.84*	
		For >100, Deduct	*-38.88*	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	291.64	76.74
		For >25 To 50, Deduct	*-17.04*	
		For >50 To 100, Deduct	*-27.44*	
		For >100, Deduct	*-39.91*	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	293.00	76.74
		For >25 To 50, Deduct	*-17.09*	
		For >50 To 100, Deduct	*-27.56*	
		For >100, Deduct	*-40.11*	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	301.03	80.07
		For >25 To 50, Deduct	*-17.65*	
		For >50 To 100, Deduct	*-28.34*	
		For >100, Deduct	*-41.15*	
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	316.53	80.07
		For >25 To 50, Deduct	*-18.27*	
		For >50 To 100, Deduct	*-29.70*	
		For >100, Deduct	*-43.48*	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	343.15	83.41
		For >25 To 50, Deduct	*-19.56*	
		For >50 To 100, Deduct	*-32.11*	
		For >100, Deduct	*-47.30*	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	351.95	83.41
		For >25 To 50, Deduct	*-19.92*	
		For >50 To 100, Deduct	*-32.88*	
		For >100, Deduct	*-48.62*	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	369.59	83.41
		For >25 To 50, Deduct	*-20.62*	
		For >50 To 100, Deduct	*-34.42*	
		For >100, Deduct	*-51.27*	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	293.59	73.40
		For >25 To 50, Deduct	*-16.88*	
		For >50 To 100, Deduct	*-27.52*	
		For >100, Deduct	*-40.37*	
		For 9' Door Height, Add	*30.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	293.59	73.40
		For >25 To 50, Deduct	*-16.88*	
		For >50 To 100, Deduct	*-27.52*	
		For >100, Deduct	*-40.37*	
		For 9' Door Height, Add	*30.82*	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	310.36	76.74
		For >25 To 50, Deduct	*-17.79*	
		For >50 To 100, Deduct	*-29.07*	
		For >100, Deduct	*-42.72*	
		For 9' Door Height, Add	*32.95*	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	318.57	76.74
		For >25 To 50, Deduct	*-18.11*	
		For >50 To 100, Deduct	*-29.79*	
		For >100, Deduct	*-43.95*	
		For 9' Door Height, Add	*34.67*	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	320.21	76.74
		For >25 To 50, Deduct	*-18.18*	
		For >50 To 100, Deduct	*-29.94*	
		For >100, Deduct	*-44.19*	
		For 9' Door Height, Add	*35.02*	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	328.51	80.07
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-30.75*	
		For >100, Deduct	*-45.27*	
		For 9' Door Height, Add	*35.36*	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	347.03	80.07
		For >25 To 50, Deduct	*-19.49*	
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-48.05*	
		For 9' Door Height, Add	*39.24*	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	377.52	83.41
		For >25 To 50, Deduct	*-20.94*	
		For >50 To 100, Deduct	*-35.12*	
		For >100, Deduct	*-52.46*	
		For 9' Door Height, Add	*44.25*	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	388.06	83.41
		For >25 To 50, Deduct	*-21.36*	
		For >50 To 100, Deduct	*-36.04*	
		For >100, Deduct	*-54.04*	
		For 9' Door Height, Add	*46.46*	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	409.13	83.41
		For >25 To 50, Deduct	*-22.20*	
		For >50 To 100, Deduct	*-37.88*	
		For >100, Deduct	*-57.20*	
		For 9' Door Height, Add	*50.89*	

08 14 16 00-0283 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0127)*

08 14 16 00-0284	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	291.57	73.40
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-27.35*	
		For >100, Deduct	*-40.07*	
08 14 16 00-0285	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	291.61	73.40
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-27.35*	
		For >100, Deduct	*-40.07*	
08 14 16 00-0286	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.27	76.74
		For >25 To 50, Deduct	*-17.46*	
		For >50 To 100, Deduct	*-28.37*	
		For >100, Deduct	*-41.50*	
08 14 16 00-0287	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	310.34	76.74
		For >25 To 50, Deduct	*-17.79*	
		For >50 To 100, Deduct	*-29.07*	
		For >100, Deduct	*-42.71*	
08 14 16 00-0288	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.37	76.74
		For >25 To 50, Deduct	*-17.95*	
		For >50 To 100, Deduct	*-29.43*	
		For >100, Deduct	*-43.32*	
08 14 16 00-0289	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.03	80.07
		For >25 To 50, Deduct	*-18.61*	
		For >50 To 100, Deduct	*-30.44*	
		For >100, Deduct	*-44.75*	
08 14 16 00-0290	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	334.22	80.07
		For >25 To 50, Deduct	*-18.97*	
		For >50 To 100, Deduct	*-31.25*	
		For >100, Deduct	*-46.13*	
08 14 16 00-0291	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	370.80	83.41
		For >25 To 50, Deduct	*-20.67*	
		For >50 To 100, Deduct	*-34.53*	
		For >100, Deduct	*-51.45*	
08 14 16 00-0292	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	380.99	83.41
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-35.42*	
		For >100, Deduct	*-52.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0293	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	401.42	83.41
		For >25 To 50, Deduct	*-21.90*	
		For >50 To 100, Deduct	*-37.21*	
		For >100, Deduct	*-56.04*	
08 14 16 00-0294	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.01	73.40
		For >25 To 50, Deduct	*-17.14*	
		For >50 To 100, Deduct	*-28.09*	
		For >100, Deduct	*-41.33*	
08 14 16 00-0295	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	300.02	73.40
		For >25 To 50, Deduct	*-17.14*	
		For >50 To 100, Deduct	*-28.09*	
		For >100, Deduct	*-41.33*	
08 14 16 00-0296	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	310.92	76.74
		For >25 To 50, Deduct	*-17.81*	
		For >50 To 100, Deduct	*-29.12*	
		For >100, Deduct	*-42.80*	
08 14 16 00-0297	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	319.46	76.74
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-29.87*	
		For >100, Deduct	*-44.08*	
08 14 16 00-0298	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	323.73	76.74
		For >25 To 50, Deduct	*-18.32*	
		For >50 To 100, Deduct	*-30.24*	
		For >100, Deduct	*-44.72*	
08 14 16 00-0299	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	334.63	80.07
		For >25 To 50, Deduct	*-18.99*	
		For >50 To 100, Deduct	*-31.28*	
		For >100, Deduct	*-46.19*	
08 14 16 00-0300	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	344.36	80.07
		For >25 To 50, Deduct	*-19.38*	
		For >50 To 100, Deduct	*-32.13*	
		For >100, Deduct	*-47.65*	
08 14 16 00-0301	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	382.68	83.41
		For >25 To 50, Deduct	*-21.15*	
		For >50 To 100, Deduct	*-35.57*	
		For >100, Deduct	*-53.23*	
08 14 16 00-0302	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	393.47	83.41
		For >25 To 50, Deduct	*-21.58*	
		For >50 To 100, Deduct	*-36.51*	
		For >100, Deduct	*-54.85*	
08 14 16 00-0303	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	415.06	83.41
		For >25 To 50, Deduct	*-22.44*	
		For >50 To 100, Deduct	*-38.40*	
		For >100, Deduct	*-58.09*	
08 14 16 00-0304	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	329.89	73.40
		For >25 To 50, Deduct	*-18.33*	
		For >50 To 100, Deduct	*-30.70*	
		For >100, Deduct	*-45.81*	
		For 9' Door Height, Add	*38.45*	
08 14 16 00-0305	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	329.89	73.40
		For >25 To 50, Deduct	*-18.33*	
		For >50 To 100, Deduct	*-30.70*	
		For >100, Deduct	*-45.81*	
		For 9' Door Height, Add	*38.45*	
08 14 16 00-0306	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	341.62	76.74
		For >25 To 50, Deduct	*-19.04*	
		For >50 To 100, Deduct	*-31.81*	
		For >100, Deduct	*-47.41*	
		For 9' Door Height, Add	*39.51*	
08 14 16 00-0307	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	351.82	76.74
		For >25 To 50, Deduct	*-19.44*	
		For >50 To 100, Deduct	*-32.70*	
		For >100, Deduct	*-48.94*	
		For 9' Door Height, Add	*41.65*	
08 14 16 00-0308	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	356.92	76.74
		For >25 To 50, Deduct	*-19.65*	
		For >50 To 100, Deduct	*-33.15*	
		For >100, Deduct	*-49.70*	
		For 9' Door Height, Add	*42.72*	
08 14 16 00-0309	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	368.66	80.07
		For >25 To 50, Deduct	*-20.35*	
		For >50 To 100, Deduct	*-34.26*	
		For >100, Deduct	*-51.30*	
		For 9' Door Height, Add	*43.79*	
08 14 16 00-0310	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	380.30	80.07
		For >25 To 50, Deduct	*-20.82*	
		For >50 To 100, Deduct	*-35.28*	
		For >100, Deduct	*-53.04*	
		For 9' Door Height, Add	*46.23*	
08 14 16 00-0311	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	424.79	83.41
		For >25 To 50, Deduct	*-22.83*	
		For >50 To 100, Deduct	*-39.25*	
		For >100, Deduct	*-59.55*	
		For 9' Door Height, Add	*54.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0312	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	437.67	83.41
		For >25 To 50, Deduct	*-23.35*	
		For >50 To 100, Deduct	*-40.38*	
		For >100, Deduct	*-61.48*	
		For 9' Door Height, Add	*56.88*	
08 14 16 00-0313	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	463.48	83.41
		For >25 To 50, Deduct	*-24.38*	
		For >50 To 100, Deduct	*-42.64*	
		For >100, Deduct	*-65.35*	
		For 9' Door Height, Add	*62.30*	

08 14 16 00-0314 1-3/8" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0315 Birch Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0316	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	314.77	73.40
		For 7 Ply Cold Press Construction, Deduct	*-3.36*	
		For Stave Lumber Core (SLC), Add	*125.97*	
		For Structural Composite Lumber Core (SCLC), Add	*75.58*	
		For >25 To 50, Deduct	*-17.73*	
		For >50 To 100, Deduct	*-29.38*	
		For >100, Deduct	*-43.55*	
08 14 16 00-0317	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	314.80	73.40
		For 7 Ply Cold Press Construction, Deduct	*-3.36*	
		For Stave Lumber Core (SLC), Add	*125.99*	
		For Structural Composite Lumber Core (SCLC), Add	*75.60*	
		For >25 To 50, Deduct	*-17.73*	
		For >50 To 100, Deduct	*-29.38*	
		For >100, Deduct	*-43.55*	
08 14 16 00-0318	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	330.27	76.74
		For 7 Ply Cold Press Construction, Deduct	*-3.54*	
		For Stave Lumber Core (SLC), Add	*132.60*	
		For Structural Composite Lumber Core (SCLC), Add	*79.56*	
		For >25 To 50, Deduct	*-18.58*	
		For >50 To 100, Deduct	*-30.82*	
		For >100, Deduct	*-45.70*	
08 14 16 00-0319	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.08	76.74
		For 7 Ply Cold Press Construction, Deduct	*-3.71*	
		For Stave Lumber Core (SLC), Add	*139.21*	
		For Structural Composite Lumber Core (SCLC), Add	*83.52*	
		For >25 To 50, Deduct	*-18.93*	
		For >50 To 100, Deduct	*-31.59*	
		For >100, Deduct	*-47.03*	
08 14 16 00-0320	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	344.45	76.74
		For 7 Ply Cold Press Construction, Deduct	*-3.82*	
		For Stave Lumber Core (SLC), Add	*143.24*	
		For Structural Composite Lumber Core (SCLC), Add	*85.94*	
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-32.06*	
		For >100, Deduct	*-47.83*	
08 14 16 00-0321	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	356.53	80.07
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.29*	
		For Structural Composite Lumber Core (SCLC), Add	*88.37*	
		For >25 To 50, Deduct	*-19.87*	
		For >50 To 100, Deduct	*-33.20*	
		For >100, Deduct	*-49.48*	
08 14 16 00-0322	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	378.07	80.07
		For 7 Ply Cold Press Construction, Deduct	*-4.36*	
		For Stave Lumber Core (SLC), Add	*163.44*	
		For Structural Composite Lumber Core (SCLC), Add	*98.06*	
		For >25 To 50, Deduct	*-20.73*	
		For >50 To 100, Deduct	*-35.08*	
		For >100, Deduct	*-52.71*	
08 14 16 00-0323	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	398.68	83.41
		For 7 Ply Cold Press Construction, Deduct	*-4.64*	
		For Stave Lumber Core (SLC), Add	*173.90*	
		For Structural Composite Lumber Core (SCLC), Add	*104.34*	
		For >25 To 50, Deduct	*-21.79*	
		For >50 To 100, Deduct	*-36.97*	
		For >100, Deduct	*-55.63*	
08 14 16 00-0324	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	324.55	73.40
		For 7 Ply Cold Press Construction, Deduct	*-3.55*	
		For Stave Lumber Core (SLC), Add	*133.31*	
		For Structural Composite Lumber Core (SCLC), Add	*79.98*	
		For >25 To 50, Deduct	*-18.12*	
		For >50 To 100, Deduct	*-30.23*	
		For >100, Deduct	*-45.01*	
08 14 16 00-0325	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	324.56	73.40
		For 7 Ply Cold Press Construction, Deduct	*-3.56*	
		For Stave Lumber Core (SLC), Add	*133.31*	
		For Structural Composite Lumber Core (SCLC), Add	*79.99*	
		For >25 To 50, Deduct	*-18.12*	
		For >50 To 100, Deduct	*-30.23*	
		For >100, Deduct	*-45.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0326	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	340.56	76.74
		For 7 Ply Cold Press Construction, Deduct	*-3.74*	
		For Stave Lumber Core (SLC), Add	*140.32*	
		For Structural Composite Lumber Core (SCLC), Add	*84.19*	
		For >25 To 50, Deduct	*-18.99*	
		For >50 To 100, Deduct	*-31.72*	
		For >100, Deduct	*-47.25*	
08 14 16 00-0327	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	349.89	76.74
		For 7 Ply Cold Press Construction, Deduct	*-3.93*	
		For Stave Lumber Core (SLC), Add	*147.32*	
		For Structural Composite Lumber Core (SCLC), Add	*88.39*	
		For >25 To 50, Deduct	*-19.37*	
		For >50 To 100, Deduct	*-32.53*	
		For >100, Deduct	*-48.65*	
08 14 16 00-0328	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	355.58	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.04*	
		For Stave Lumber Core (SLC), Add	*151.58*	
		For Structural Composite Lumber Core (SCLC), Add	*90.95*	
		For >25 To 50, Deduct	*-19.59*	
		For >50 To 100, Deduct	*-33.03*	
		For >100, Deduct	*-49.50*	
08 14 16 00-0329	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	367.95	80.07
		For 7 Ply Cold Press Construction, Deduct	*-4.16*	
		For Stave Lumber Core (SLC), Add	*155.85*	
		For Structural Composite Lumber Core (SCLC), Add	*93.51*	
		For >25 To 50, Deduct	*-20.32*	
		For >50 To 100, Deduct	*-34.20*	
		For >100, Deduct	*-51.19*	
08 14 16 00-0330	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	390.76	80.07
		For 7 Ply Cold Press Construction, Deduct	*-4.61*	
		For Stave Lumber Core (SLC), Add	*172.96*	
		For Structural Composite Lumber Core (SCLC), Add	*103.77*	
		For >25 To 50, Deduct	*-21.24*	
		For >50 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-54.61*	
08 14 16 00-0331	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	412.17	83.41
		For 7 Ply Cold Press Construction, Deduct	*-4.91*	
		For Stave Lumber Core (SLC), Add	*184.01*	
		For Structural Composite Lumber Core (SCLC), Add	*110.41*	
		For >25 To 50, Deduct	*-22.33*	
		For >50 To 100, Deduct	*-38.15*	
		For >100, Deduct	*-57.66*	
08 14 16 00-0332	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.22	73.40
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.31*	
		For Structural Composite Lumber Core (SCLC), Add	*95.58*	
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-33.27*	
		For >100, Deduct	*-50.21*	
		For 9' Door Height, Add	*44.61*	
08 14 16 00-0333	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	359.22	73.40
		For 7 Ply Cold Press Construction, Deduct	*-4.25*	
		For Stave Lumber Core (SLC), Add	*159.31*	
		For Structural Composite Lumber Core (SCLC), Add	*95.58*	
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-33.27*	
		For >100, Deduct	*-50.21*	
		For 9' Door Height, Add	*44.61*	
08 14 16 00-0334	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	377.04	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.47*	
		For Stave Lumber Core (SLC), Add	*167.68*	
		For Structural Composite Lumber Core (SCLC), Add	*100.61*	
		For >25 To 50, Deduct	*-20.45*	
		For >50 To 100, Deduct	*-34.91*	
		For >100, Deduct	*-52.72*	
		For 9' Door Height, Add	*46.95*	
08 14 16 00-0335	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	388.19	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.69*	
		For Stave Lumber Core (SLC), Add	*176.04*	
		For Structural Composite Lumber Core (SCLC), Add	*105.62*	
		For >25 To 50, Deduct	*-20.90*	
		For >50 To 100, Deduct	*-35.89*	
		For >100, Deduct	*-54.39*	
		For 9' Door Height, Add	*49.29*	
08 14 16 00-0336	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	394.98	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.83*	
		For Stave Lumber Core (SLC), Add	*181.13*	
		For Structural Composite Lumber Core (SCLC), Add	*108.68*	
		For >25 To 50, Deduct	*-21.17*	
		For >50 To 100, Deduct	*-36.48*	
		For >100, Deduct	*-55.41*	
		For 9' Door Height, Add	*50.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0337	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	408.48	80.07
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.25*	
		For Structural Composite Lumber Core (SCLC), Add	*111.75*	
		For >25 To 50, Deduct	*-21.94*	
		For >50 To 100, Deduct	*-37.74*	
		For >100, Deduct	*-57.27*	
		For 9' Door Height, Add	*52.15*	
08 14 16 00-0338	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	435.72	80.07
		For 7 Ply Cold Press Construction, Deduct	*-5.51*	
		For Stave Lumber Core (SLC), Add	*206.68*	
		For Structural Composite Lumber Core (SCLC), Add	*124.01*	
		For >25 To 50, Deduct	*-23.03*	
		For >50 To 100, Deduct	*-40.13*	
		For >100, Deduct	*-61.35*	
		For 9' Door Height, Add	*57.87*	
08 14 16 00-0339	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	460.01	83.41
		For 7 Ply Cold Press Construction, Deduct	*-5.86*	
		For Stave Lumber Core (SLC), Add	*219.89*	
		For Structural Composite Lumber Core (SCLC), Add	*131.94*	
		For >25 To 50, Deduct	*-24.24*	
		For >50 To 100, Deduct	*-42.34*	
		For >100, Deduct	*-64.83*	
		For 9' Door Height, Add	*61.57*	

08 14 16 00-0340 Oak Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0341	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	441.27	73.40
		For 7 Ply Cold Press Construction, Deduct	*-5.89*	
		For Stave Lumber Core (SLC), Add	*220.85*	
		For Structural Composite Lumber Core (SCLC), Add	*132.51*	
		For >25 To 50, Deduct	*-22.79*	
		For >50 To 100, Deduct	*-40.45*	
		For >100, Deduct	*-62.52*	
08 14 16 00-0342	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	441.27	73.40
		For 7 Ply Cold Press Construction, Deduct	*-5.89*	
		For Stave Lumber Core (SLC), Add	*220.85*	
		For Structural Composite Lumber Core (SCLC), Add	*132.51*	
		For >25 To 50, Deduct	*-22.79*	
		For >50 To 100, Deduct	*-40.45*	
		For >100, Deduct	*-62.52*	
08 14 16 00-0343	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	463.43	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.20*	
		For Stave Lumber Core (SLC), Add	*232.47*	
		For Structural Composite Lumber Core (SCLC), Add	*139.48*	
		For >25 To 50, Deduct	*-23.91*	
		For >50 To 100, Deduct	*-42.47*	
		For >100, Deduct	*-65.68*	
08 14 16 00-0344	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	478.89	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.51*	
		For Stave Lumber Core (SLC), Add	*244.07*	
		For Structural Composite Lumber Core (SCLC), Add	*146.44*	
		For >25 To 50, Deduct	*-24.53*	
		For >50 To 100, Deduct	*-43.82*	
		For >100, Deduct	*-68.00*	
08 14 16 00-0345	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	488.30	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.70*	
		For Stave Lumber Core (SLC), Add	*251.12*	
		For Structural Composite Lumber Core (SCLC), Add	*150.67*	
		For >25 To 50, Deduct	*-24.90*	
		For >50 To 100, Deduct	*-44.64*	
		For >100, Deduct	*-69.41*	
08 14 16 00-0346	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	504.44	80.07
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.22*	
		For Structural Composite Lumber Core (SCLC), Add	*154.93*	
		For >25 To 50, Deduct	*-25.78*	
		For >50 To 100, Deduct	*-46.14*	
		For >100, Deduct	*-71.66*	
08 14 16 00-0347	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	542.21	80.07
		For 7 Ply Cold Press Construction, Deduct	*-7.64*	
		For Stave Lumber Core (SLC), Add	*286.55*	
		For Structural Composite Lumber Core (SCLC), Add	*171.93*	
		For >25 To 50, Deduct	*-27.29*	
		For >50 To 100, Deduct	*-49.45*	
		For >100, Deduct	*-77.33*	
08 14 16 00-0348	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	573.29	83.41
		For 7 Ply Cold Press Construction, Deduct	*-8.13*	
		For Stave Lumber Core (SLC), Add	*304.85*	
		For Structural Composite Lumber Core (SCLC), Add	*182.91*	
		For >25 To 50, Deduct	*-28.77*	
		For >50 To 100, Deduct	*-52.25*	
		For >100, Deduct	*-81.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0349	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	458.40	73.40
		For 7 Ply Cold Press Construction, Deduct	*-6.23*	
		For Stave Lumber Core (SLC), Add	*233.69*	
		For Structural Composite Lumber Core (SCLC), Add	*140.22*	
		For >25 To 50, Deduct	*-23.47*	
		For >50 To 100, Deduct	*-41.95*	
		For >100, Deduct	*-65.09*	
08 14 16 00-0350	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	458.40	73.40
		For 7 Ply Cold Press Construction, Deduct	*-6.23*	
		For Stave Lumber Core (SLC), Add	*233.69*	
		For Structural Composite Lumber Core (SCLC), Add	*140.22*	
		For >25 To 50, Deduct	*-23.47*	
		For >50 To 100, Deduct	*-41.95*	
		For >100, Deduct	*-65.09*	
08 14 16 00-0351	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	481.49	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.56*	
		For Stave Lumber Core (SLC), Add	*246.02*	
		For Structural Composite Lumber Core (SCLC), Add	*147.61*	
		For >25 To 50, Deduct	*-24.63*	
		For >50 To 100, Deduct	*-44.05*	
		For >100, Deduct	*-68.39*	
08 14 16 00-0352	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	497.84	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.89*	
		For Stave Lumber Core (SLC), Add	*258.28*	
		For Structural Composite Lumber Core (SCLC), Add	*154.97*	
		For >25 To 50, Deduct	*-25.29*	
		For >50 To 100, Deduct	*-45.48*	
		For >100, Deduct	*-70.84*	
08 14 16 00-0353	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	507.79	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.09*	
		For Stave Lumber Core (SLC), Add	*265.74*	
		For Structural Composite Lumber Core (SCLC), Add	*159.44*	
		For >25 To 50, Deduct	*-25.68*	
		For >50 To 100, Deduct	*-46.35*	
		For >100, Deduct	*-72.33*	
08 14 16 00-0354	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	524.47	80.07
		For 7 Ply Cold Press Construction, Deduct	*-7.29*	
		For Stave Lumber Core (SLC), Add	*273.24*	
		For Structural Composite Lumber Core (SCLC), Add	*163.94*	
		For >25 To 50, Deduct	*-26.58*	
		For >50 To 100, Deduct	*-47.89*	
		For >100, Deduct	*-74.67*	
08 14 16 00-0355	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	564.45	80.07
		For 7 Ply Cold Press Construction, Deduct	*-8.09*	
		For Stave Lumber Core (SLC), Add	*303.23*	
		For Structural Composite Lumber Core (SCLC), Add	*181.94*	
		For >25 To 50, Deduct	*-28.18*	
		For >50 To 100, Deduct	*-51.39*	
		For >100, Deduct	*-80.66*	
08 14 16 00-0356	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	596.97	83.41
		For 7 Ply Cold Press Construction, Deduct	*-8.60*	
		For Stave Lumber Core (SLC), Add	*322.61*	
		For Structural Composite Lumber Core (SCLC), Add	*193.57*	
		For >25 To 50, Deduct	*-29.72*	
		For >50 To 100, Deduct	*-54.32*	
		For >100, Deduct	*-85.38*	
08 14 16 00-0357	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	519.15	73.40
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.26*	
		For Structural Composite Lumber Core (SCLC), Add	*167.55*	
		For >25 To 50, Deduct	*-25.90*	
		For >50 To 100, Deduct	*-47.26*	
		For >100, Deduct	*-74.20*	
		For 9' Door Height, Add	*78.19*	
08 14 16 00-0358	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	519.15	73.40
		For 7 Ply Cold Press Construction, Deduct	*-7.45*	
		For Stave Lumber Core (SLC), Add	*279.26*	
		For Structural Composite Lumber Core (SCLC), Add	*167.55*	
		For >25 To 50, Deduct	*-25.90*	
		For >50 To 100, Deduct	*-47.26*	
		For >100, Deduct	*-74.20*	
		For 9' Door Height, Add	*78.19*	
08 14 16 00-0359	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	545.45	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.84*	
		For Stave Lumber Core (SLC), Add	*293.99*	
		For Structural Composite Lumber Core (SCLC), Add	*176.39*	
		For >25 To 50, Deduct	*-27.19*	
		For >50 To 100, Deduct	*-49.65*	
		For >100, Deduct	*-77.98*	
		For 9' Door Height, Add	*82.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0360	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	564.98	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.23*	
		For Stave Lumber Core (SLC), Add	*308.63*	
		For Structural Composite Lumber Core (SCLC), Add	*185.18*	
		For >25 To 50, Deduct	*-27.97*	
		For >50 To 100, Deduct	*-51.35*	
		For >100, Deduct	*-80.91*	
		For 9' Door Height, Add	*86.42*	
08 14 16 00-0361	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	576.88	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.56*	
		For Structural Composite Lumber Core (SCLC), Add	*190.53*	
		For >25 To 50, Deduct	*-28.45*	
		For >50 To 100, Deduct	*-52.40*	
		For >100, Deduct	*-82.70*	
		For 9' Door Height, Add	*88.92*	
08 14 16 00-0362	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	595.53	80.07
		For 7 Ply Cold Press Construction, Deduct	*-8.71*	
		For Stave Lumber Core (SLC), Add	*326.54*	
		For Structural Composite Lumber Core (SCLC), Add	*195.92*	
		For >25 To 50, Deduct	*-29.43*	
		For >50 To 100, Deduct	*-54.11*	
		For >100, Deduct	*-85.33*	
		For 9' Door Height, Add	*91.43*	
08 14 16 00-0363	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	643.30	80.07
		For 7 Ply Cold Press Construction, Deduct	*-9.66*	
		For Stave Lumber Core (SLC), Add	*362.36*	
		For Structural Composite Lumber Core (SCLC), Add	*217.42*	
		For >25 To 50, Deduct	*-31.34*	
		For >50 To 100, Deduct	*-58.29*	
		For >100, Deduct	*-92.49*	
		For 9' Door Height, Add	*101.46*	
08 14 16 00-0364	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	680.85	83.41
		For 7 Ply Cold Press Construction, Deduct	*-10.28*	
		For Stave Lumber Core (SLC), Add	*385.52*	
		For Structural Composite Lumber Core (SCLC), Add	*231.31*	
		For >25 To 50, Deduct	*-33.07*	
		For >50 To 100, Deduct	*-61.66*	
		For >100, Deduct	*-97.96*	
		For 9' Door Height, Add	*107.95*	

08 14 16 00-0365 Maple Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0366	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	395.52	73.40
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.53*	
		For Structural Composite Lumber Core (SCLC), Add	*111.92*	
		For >25 To 50, Deduct	*-20.96*	
		For >50 To 100, Deduct	*-36.44*	
		For >100, Deduct	*-55.66*	
08 14 16 00-0367	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	395.52	73.40
		For 7 Ply Cold Press Construction, Deduct	*-4.97*	
		For Stave Lumber Core (SLC), Add	*186.53*	
		For Structural Composite Lumber Core (SCLC), Add	*111.92*	
		For >25 To 50, Deduct	*-20.96*	
		For >50 To 100, Deduct	*-36.44*	
		For >100, Deduct	*-55.66*	
08 14 16 00-0368	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	415.27	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.35*	
		For Structural Composite Lumber Core (SCLC), Add	*117.81*	
		For >25 To 50, Deduct	*-21.98*	
		For >50 To 100, Deduct	*-38.25*	
		For >100, Deduct	*-58.45*	
08 14 16 00-0369	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	428.33	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.50*	
		For Stave Lumber Core (SLC), Add	*206.15*	
		For Structural Composite Lumber Core (SCLC), Add	*123.69*	
		For >25 To 50, Deduct	*-22.50*	
		For >50 To 100, Deduct	*-39.40*	
		For >100, Deduct	*-60.41*	
08 14 16 00-0370	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	436.27	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.66*	
		For Stave Lumber Core (SLC), Add	*212.10*	
		For Structural Composite Lumber Core (SCLC), Add	*127.26*	
		For >25 To 50, Deduct	*-22.82*	
		For >50 To 100, Deduct	*-40.09*	
		For >100, Deduct	*-61.60*	
08 14 16 00-0371	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	450.94	80.07
		For 7 Ply Cold Press Construction, Deduct	*-5.82*	
		For Stave Lumber Core (SLC), Add	*218.09*	
		For Structural Composite Lumber Core (SCLC), Add	*130.86*	
		For >25 To 50, Deduct	*-23.64*	
		For >50 To 100, Deduct	*-41.46*	
		For >100, Deduct	*-63.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0372	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	482.85	80.07
		For 7 Ply Cold Press Construction, Deduct	*-6.45*	
		For Stave Lumber Core (SLC), Add	*242.03*	
		For Structural Composite Lumber Core (SCLC), Add	*145.22*	
		For >25 To 50, Deduct	*-24.92*	
		For >50 To 100, Deduct	*-44.25*	
		For >100, Deduct	*-68.42*	
08 14 16 00-0373	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	510.13	83.41
		For 7 Ply Cold Press Construction, Deduct	*-6.87*	
		For Stave Lumber Core (SLC), Add	*257.48*	
		For Structural Composite Lumber Core (SCLC), Add	*154.49*	
		For >25 To 50, Deduct	*-26.24*	
		For >50 To 100, Deduct	*-46.72*	
		For >100, Deduct	*-72.35*	
08 14 16 00-0374	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	409.98	73.40
		For 7 Ply Cold Press Construction, Deduct	*-5.26*	
		For Stave Lumber Core (SLC), Add	*197.38*	
		For Structural Composite Lumber Core (SCLC), Add	*118.43*	
		For >25 To 50, Deduct	*-21.54*	
		For >50 To 100, Deduct	*-37.71*	
		For >100, Deduct	*-57.83*	
08 14 16 00-0375	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	409.98	73.40
		For 7 Ply Cold Press Construction, Deduct	*-5.26*	
		For Stave Lumber Core (SLC), Add	*197.38*	
		For Structural Composite Lumber Core (SCLC), Add	*118.43*	
		For >25 To 50, Deduct	*-21.54*	
		For >50 To 100, Deduct	*-37.71*	
		For >100, Deduct	*-57.83*	
08 14 16 00-0376	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	430.52	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.54*	
		For Stave Lumber Core (SLC), Add	*207.79*	
		For Structural Composite Lumber Core (SCLC), Add	*124.67*	
		For >25 To 50, Deduct	*-22.59*	
		For >50 To 100, Deduct	*-39.59*	
		For >100, Deduct	*-60.74*	
08 14 16 00-0377	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	444.34	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.82*	
		For Stave Lumber Core (SLC), Add	*218.15*	
		For Structural Composite Lumber Core (SCLC), Add	*130.89*	
		For >25 To 50, Deduct	*-23.15*	
		For >50 To 100, Deduct	*-40.80*	
		For >100, Deduct	*-62.81*	
08 14 16 00-0378	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	452.74	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.99*	
		For Stave Lumber Core (SLC), Add	*224.45*	
		For Structural Composite Lumber Core (SCLC), Add	*134.67*	
		For >25 To 50, Deduct	*-23.48*	
		For >50 To 100, Deduct	*-41.53*	
		For >100, Deduct	*-64.07*	
08 14 16 00-0379	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	467.88	80.07
		For 7 Ply Cold Press Construction, Deduct	*-6.15*	
		For Stave Lumber Core (SLC), Add	*230.80*	
		For Structural Composite Lumber Core (SCLC), Add	*138.48*	
		For >25 To 50, Deduct	*-24.32*	
		For >50 To 100, Deduct	*-42.94*	
		For >100, Deduct	*-66.18*	
08 14 16 00-0380	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	501.64	80.07
		For 7 Ply Cold Press Construction, Deduct	*-6.83*	
		For Stave Lumber Core (SLC), Add	*256.12*	
		For Structural Composite Lumber Core (SCLC), Add	*153.67*	
		For >25 To 50, Deduct	*-25.67*	
		For >50 To 100, Deduct	*-45.90*	
		For >100, Deduct	*-71.24*	
08 14 16 00-0381	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	530.12	83.41
		For 7 Ply Cold Press Construction, Deduct	*-7.27*	
		For Stave Lumber Core (SLC), Add	*272.48*	
		For Structural Composite Lumber Core (SCLC), Add	*163.49*	
		For >25 To 50, Deduct	*-27.04*	
		For >50 To 100, Deduct	*-48.47*	
		For >100, Deduct	*-75.35*	
08 14 16 00-0382	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	461.30	73.40
		For 7 Ply Cold Press Construction, Deduct	*-6.29*	
		For Stave Lumber Core (SLC), Add	*235.87*	
		For Structural Composite Lumber Core (SCLC), Add	*141.52*	
		For >25 To 50, Deduct	*-23.59*	
		For >50 To 100, Deduct	*-42.20*	
		For >100, Deduct	*-65.52*	
		For 9' Door Height, Add	*66.04*	
08 14 16 00-0383	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	461.30	73.40
		For 7 Ply Cold Press Construction, Deduct	*-6.29*	
		For Stave Lumber Core (SLC), Add	*235.87*	
		For Structural Composite Lumber Core (SCLC), Add	*141.52*	
		For >25 To 50, Deduct	*-23.59*	
		For >50 To 100, Deduct	*-42.20*	
		For >100, Deduct	*-65.52*	
		For 9' Door Height, Add	*66.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0384	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	484.54	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.62*	
		For Stave Lumber Core (SLC), Add	*248.30*	
		For Structural Composite Lumber Core (SCLC), Add	*148.98*	
		For >25 To 50, Deduct	*-24.75*	
		For >50 To 100, Deduct	*-44.32*	
		For >100, Deduct	*-68.84*	
		For 9' Door Height, Add	*69.52*	
08 14 16 00-0385	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	501.04	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.95*	
		For Stave Lumber Core (SLC), Add	*260.68*	
		For Structural Composite Lumber Core (SCLC), Add	*156.41*	
		For >25 To 50, Deduct	*-25.41*	
		For >50 To 100, Deduct	*-45.76*	
		For >100, Deduct	*-71.32*	
		For 9' Door Height, Add	*72.99*	
08 14 16 00-0386	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	511.10	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.15*	
		For Stave Lumber Core (SLC), Add	*268.22*	
		For Structural Composite Lumber Core (SCLC), Add	*160.93*	
		For >25 To 50, Deduct	*-25.82*	
		For >50 To 100, Deduct	*-46.64*	
		For >100, Deduct	*-72.83*	
		For 9' Door Height, Add	*75.10*	
08 14 16 00-0387	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	527.87	80.07
		For 7 Ply Cold Press Construction, Deduct	*-7.35*	
		For Stave Lumber Core (SLC), Add	*275.79*	
		For Structural Composite Lumber Core (SCLC), Add	*165.47*	
		For >25 To 50, Deduct	*-26.72*	
		For >50 To 100, Deduct	*-48.19*	
		For >100, Deduct	*-75.18*	
		For 9' Door Height, Add	*77.22*	
08 14 16 00-0388	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	568.23	80.07
		For 7 Ply Cold Press Construction, Deduct	*-8.16*	
		For Stave Lumber Core (SLC), Add	*306.06*	
		For Structural Composite Lumber Core (SCLC), Add	*183.64*	
		For >25 To 50, Deduct	*-28.33*	
		For >50 To 100, Deduct	*-51.72*	
		For >100, Deduct	*-81.23*	
		For 9' Door Height, Add	*85.70*	
08 14 16 00-0389	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	600.97	83.41
		For 7 Ply Cold Press Construction, Deduct	*-8.68*	
		For Stave Lumber Core (SLC), Add	*325.61*	
		For Structural Composite Lumber Core (SCLC), Add	*195.37*	
		For >25 To 50, Deduct	*-29.88*	
		For >50 To 100, Deduct	*-54.67*	
		For >100, Deduct	*-85.98*	
		For 9' Door Height, Add	*91.17*	
08 14 16 00-0390		**Lauan Faced Wood Doors** *(08 14 16 00-0314)*		
08 14 16 00-0391	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	261.05	73.40
		For >25 To 50, Deduct	*-15.58*	
		For >50 To 100, Deduct	*-24.68*	
		For >100, Deduct	*-35.49*	
08 14 16 00-0392	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	261.05	73.40
		For >25 To 50, Deduct	*-15.58*	
		For >50 To 100, Deduct	*-24.68*	
		For >100, Deduct	*-35.49*	
08 14 16 00-0393	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	273.96	76.74
		For >25 To 50, Deduct	*-16.33*	
		For >50 To 100, Deduct	*-25.89*	
		For >100, Deduct	*-37.26*	
08 14 16 00-0394	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	280.26	76.74
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-26.44*	
		For >100, Deduct	*-38.20*	
08 14 16 00-0395	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	283.42	76.74
		For >25 To 50, Deduct	*-16.71*	
		For >50 To 100, Deduct	*-26.72*	
		For >100, Deduct	*-38.68*	
08 14 16 00-0396	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	293.29	80.07
		For >25 To 50, Deduct	*-17.34*	
		For >50 To 100, Deduct	*-27.66*	
		For >100, Deduct	*-39.99*	
08 14 16 00-0397	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	307.91	80.07
		For >25 To 50, Deduct	*-17.92*	
		For >50 To 100, Deduct	*-28.94*	
		For >100, Deduct	*-42.18*	
08 14 16 00-0398	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	326.16	83.41
		For >25 To 50, Deduct	*-18.89*	
		For >50 To 100, Deduct	*-30.62*	
		For >100, Deduct	*-44.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0399	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	267.70	73.40
		For >25 To 50, Deduct	*-15.85*	
		For >50 To 100, Deduct	*-25.26*	
		For >100, Deduct	*-36.48*	
08 14 16 00-0400	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	267.70	73.40
		For >25 To 50, Deduct	*-15.85*	
		For >50 To 100, Deduct	*-25.26*	
		For >100, Deduct	*-36.48*	
08 14 16 00-0401	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	280.98	76.74
		For >25 To 50, Deduct	*-16.61*	
		For >50 To 100, Deduct	*-26.50*	
		For >100, Deduct	*-38.31*	
08 14 16 00-0402	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	287.64	76.74
		For >25 To 50, Deduct	*-16.88*	
		For >50 To 100, Deduct	*-27.09*	
		For >100, Deduct	*-39.31*	
08 14 16 00-0403	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	291.00	76.74
		For >25 To 50, Deduct	*-17.01*	
		For >50 To 100, Deduct	*-27.38*	
		For >100, Deduct	*-39.81*	
08 14 16 00-0404	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	301.03	80.07
		For >25 To 50, Deduct	*-17.65*	
		For >50 To 100, Deduct	*-28.34*	
		For >100, Deduct	*-41.15*	
08 14 16 00-0405	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	316.52	80.07
		For >25 To 50, Deduct	*-18.27*	
		For >50 To 100, Deduct	*-29.70*	
		For >100, Deduct	*-43.47*	
08 14 16 00-0406	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	335.43	83.41
		For >25 To 50, Deduct	*-19.26*	
		For >50 To 100, Deduct	*-31.44*	
		For >100, Deduct	*-46.14*	
08 14 16 00-0407	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	291.28	73.40
		For >25 To 50, Deduct	*-16.79*	
		For >50 To 100, Deduct	*-27.32*	
		For >100, Deduct	*-40.02*	
		For 9' Door Height, Add	*30.34*	
08 14 16 00-0408	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	291.28	73.40
		For >25 To 50, Deduct	*-16.79*	
		For >50 To 100, Deduct	*-27.32*	
		For >100, Deduct	*-40.02*	
		For 9' Door Height, Add	*30.34*	
08 14 16 00-0409	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	305.84	76.74
		For >25 To 50, Deduct	*-17.61*	
		For >50 To 100, Deduct	*-28.68*	
		For >100, Deduct	*-42.04*	
		For 9' Door Height, Add	*32.00*	
08 14 16 00-0410	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	313.81	76.74
		For >25 To 50, Deduct	*-17.92*	
		For >50 To 100, Deduct	*-29.38*	
		For >100, Deduct	*-43.23*	
		For 9' Door Height, Add	*33.67*	
08 14 16 00-0411	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	317.82	76.74
		For >25 To 50, Deduct	*-18.08*	
		For >50 To 100, Deduct	*-29.73*	
		For >100, Deduct	*-43.84*	
		For 9' Door Height, Add	*34.51*	
08 14 16 00-0412	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	328.51	80.07
		For >25 To 50, Deduct	*-18.75*	
		For >50 To 100, Deduct	*-30.75*	
		For >100, Deduct	*-45.27*	
		For 9' Door Height, Add	*35.36*	
08 14 16 00-0413	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	347.01	80.07
		For >25 To 50, Deduct	*-19.49*	
		For >50 To 100, Deduct	*-32.37*	
		For >100, Deduct	*-48.05*	
		For 9' Door Height, Add	*39.24*	
08 14 16 00-0414	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	368.30	83.41
		For >25 To 50, Deduct	*-20.57*	
		For >50 To 100, Deduct	*-34.31*	
		For >100, Deduct	*-51.07*	
		For 9' Door Height, Add	*42.31*	

08 14 16 00-0415 Medium Density Overlay (MDO) Faced Wood Doors *(08 14 16 00-0314)*

08 14 16 00-0416	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	254.20	73.40
		For Stave Lumber Core (SLC), Add	*80.54*	
		For Structural Composite Lumber Core (SCLC), Add	*48.33*	
		For >25 To 50, Deduct	*-15.31*	
		For >50 To 100, Deduct	*-24.08*	
		For >100, Deduct	*-34.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0417	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	254.20	73.40
		For Stave Lumber Core (SLC), Add	*80.54*	
		For Structural Composite Lumber Core (SCLC), Add	*48.33*	
		For >25 To 50, Deduct	*-15.31*	
		For >50 To 100, Deduct	*-24.08*	
		For >100, Deduct	*-34.46*	
08 14 16 00-0418	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	267.10	76.74
		For Stave Lumber Core (SLC), Add	*85.22*	
		For Structural Composite Lumber Core (SCLC), Add	*51.13*	
		For >25 To 50, Deduct	*-16.06*	
		For >50 To 100, Deduct	*-25.29*	
		For >100, Deduct	*-36.23*	
08 14 16 00-0419	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.32	76.74
		For Stave Lumber Core (SLC), Add	*89.89*	
		For Structural Composite Lumber Core (SCLC), Add	*53.93*	
		For >25 To 50, Deduct	*-16.30*	
		For >50 To 100, Deduct	*-25.83*	
		For >100, Deduct	*-37.16*	
08 14 16 00-0420	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	274.46	76.74
		For Stave Lumber Core (SLC), Add	*90.74*	
		For Structural Composite Lumber Core (SCLC), Add	*54.45*	
		For >25 To 50, Deduct	*-16.35*	
		For >50 To 100, Deduct	*-25.93*	
		For >100, Deduct	*-37.33*	
08 14 16 00-0421	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.30	80.07
		For Stave Lumber Core (SLC), Add	*91.61*	
		For Structural Composite Lumber Core (SCLC), Add	*54.97*	
		For >25 To 50, Deduct	*-16.90*	
		For >50 To 100, Deduct	*-26.70*	
		For >100, Deduct	*-38.34*	
08 14 16 00-0422	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	295.77	80.07
		For Stave Lumber Core (SLC), Add	*101.72*	
		For Structural Composite Lumber Core (SCLC), Add	*61.03*	
		For >25 To 50, Deduct	*-17.44*	
		For >50 To 100, Deduct	*-27.88*	
		For >100, Deduct	*-40.36*	
08 14 16 00-0423	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	327.01	83.41
		For Stave Lumber Core (SLC), Add	*120.14*	
		For Structural Composite Lumber Core (SCLC), Add	*72.09*	
		For >25 To 50, Deduct	*-18.92*	
		For >50 To 100, Deduct	*-30.70*	
		For >100, Deduct	*-44.88*	
08 14 16 00-0424	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	260.45	73.40
		For Stave Lumber Core (SLC), Add	*85.23*	
		For Structural Composite Lumber Core (SCLC), Add	*51.14*	
		For >25 To 50, Deduct	*-15.56*	
		For >50 To 100, Deduct	*-24.62*	
		For >100, Deduct	*-35.40*	
08 14 16 00-0425	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	260.46	73.40
		For Stave Lumber Core (SLC), Add	*85.24*	
		For Structural Composite Lumber Core (SCLC), Add	*51.14*	
		For >25 To 50, Deduct	*-15.56*	
		For >50 To 100, Deduct	*-24.63*	
		For >100, Deduct	*-35.40*	
08 14 16 00-0426	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	273.71	76.74
		For Stave Lumber Core (SLC), Add	*90.18*	
		For Structural Composite Lumber Core (SCLC), Add	*54.11*	
		For >25 To 50, Deduct	*-16.32*	
		For >50 To 100, Deduct	*-25.87*	
		For >100, Deduct	*-37.22*	
08 14 16 00-0427	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	280.29	76.74
		For Stave Lumber Core (SLC), Add	*95.12*	
		For Structural Composite Lumber Core (SCLC), Add	*57.07*	
		For >25 To 50, Deduct	*-16.58*	
		For >50 To 100, Deduct	*-26.44*	
		For >100, Deduct	*-38.21*	
08 14 16 00-0428	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.50	76.74
		For Stave Lumber Core (SLC), Add	*96.02*	
		For Structural Composite Lumber Core (SCLC), Add	*57.61*	
		For >25 To 50, Deduct	*-16.63*	
		For >50 To 100, Deduct	*-26.55*	
		For >100, Deduct	*-38.39*	
08 14 16 00-0429	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	289.41	80.07
		For Stave Lumber Core (SLC), Add	*96.95*	
		For Structural Composite Lumber Core (SCLC), Add	*58.17*	
		For >25 To 50, Deduct	*-17.18*	
		For >50 To 100, Deduct	*-27.33*	
		For >100, Deduct	*-39.41*	
08 14 16 00-0430	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	303.66	80.07
		For Stave Lumber Core (SLC), Add	*107.63*	
		For Structural Composite Lumber Core (SCLC), Add	*64.58*	
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-28.57*	
		For >100, Deduct	*-41.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0431	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	336.34	83.41
		For Stave Lumber Core (SLC), Add	*127.14*	
		For Structural Composite Lumber Core (SCLC), Add	*76.28*	
		For >25 To 50, Deduct	*-19.29*	
		For >50 To 100, Deduct	*-31.52*	
		For >100, Deduct	*-46.28*	
08 14 16 00-0432	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.60	73.40
		For Stave Lumber Core (SLC), Add	*101.84*	
		For Structural Composite Lumber Core (SCLC), Add	*61.11*	
		For >25 To 50, Deduct	*-16.44*	
		For >50 To 100, Deduct	*-26.56*	
		For >100, Deduct	*-38.72*	
		For 9' Door Height, Add	*28.52*	
08 14 16 00-0433	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	282.62	73.40
		For Stave Lumber Core (SLC), Add	*101.86*	
		For Structural Composite Lumber Core (SCLC), Add	*61.11*	
		For >25 To 50, Deduct	*-16.44*	
		For >50 To 100, Deduct	*-26.56*	
		For >100, Deduct	*-38.72*	
		For 9' Door Height, Add	*28.52*	
08 14 16 00-0434	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	297.16	76.74
		For Stave Lumber Core (SLC), Add	*107.77*	
		For Structural Composite Lumber Core (SCLC), Add	*64.66*	
		For >25 To 50, Deduct	*-17.26*	
		For >50 To 100, Deduct	*-27.92*	
		For >100, Deduct	*-40.74*	
		For 9' Door Height, Add	*30.17*	
08 14 16 00-0435	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	305.01	76.74
		For Stave Lumber Core (SLC), Add	*113.66*	
		For Structural Composite Lumber Core (SCLC), Add	*68.19*	
		For >25 To 50, Deduct	*-17.57*	
		For >50 To 100, Deduct	*-28.61*	
		For >100, Deduct	*-41.91*	
		For 9' Door Height, Add	*31.82*	
08 14 16 00-0436	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	306.46	76.74
		For Stave Lumber Core (SLC), Add	*114.74*	
		For Structural Composite Lumber Core (SCLC), Add	*68.85*	
		For >25 To 50, Deduct	*-17.63*	
		For >50 To 100, Deduct	*-28.73*	
		For >100, Deduct	*-42.13*	
		For 9' Door Height, Add	*32.13*	
08 14 16 00-0437	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	314.62	80.07
		For Stave Lumber Core (SLC), Add	*115.85*	
		For Structural Composite Lumber Core (SCLC), Add	*69.51*	
		For >25 To 50, Deduct	*-18.19*	
		For >50 To 100, Deduct	*-29.53*	
		For >100, Deduct	*-43.19*	
		For 9' Door Height, Add	*32.44*	
08 14 16 00-0438	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	331.66	80.07
		For Stave Lumber Core (SLC), Add	*128.63*	
		For Structural Composite Lumber Core (SCLC), Add	*77.18*	
		For >25 To 50, Deduct	*-18.87*	
		For >50 To 100, Deduct	*-31.02*	
		For >100, Deduct	*-45.75*	
		For 9' Door Height, Add	*36.02*	
08 14 16 00-0439	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	369.40	83.41
		For Stave Lumber Core (SLC), Add	*151.94*	
		For Structural Composite Lumber Core (SCLC), Add	*91.16*	
		For >25 To 50, Deduct	*-20.61*	
		For >50 To 100, Deduct	*-34.41*	
		For >100, Deduct	*-51.24*	
		For 9' Door Height, Add	*42.54*	

08 14 16 00-0440 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 16 00-0441 Birch Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	351.26	73.40
		For 7 Ply Cold Press Construction, Deduct	*-4.09*	
		For Stave Lumber Core (SLC), Add	*153.34*	
		For Structural Composite Lumber Core (SCLC), Add	*92.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*352.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.40*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.34*	
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-32.57*	
		For >100, Deduct	*-49.02*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0443	EA 2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	351.26	73.40
	For 7 Ply Cold Press Construction, Deduct	*-4.09*	
	For Stave Lumber Core (SLC), Add	*153.34*	
	For Structural Composite Lumber Core (SCLC), Add	*92.00*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*352.68*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.53*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.40*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.34*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.34*	
	For >25 To 50, Deduct	*-19.19*	
	For >50 To 100, Deduct	*-32.57*	
	For >100, Deduct	*-49.02*	
08 14 16 00-0444	EA 2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	347.15	76.74
	For 7 Ply Cold Press Construction, Deduct	*-3.87*	
	For Stave Lumber Core (SLC), Add	*145.26*	
	For Structural Composite Lumber Core (SCLC), Add	*87.16*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*334.10*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.24*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.59*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.26*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.42*	
	For >25 To 50, Deduct	*-19.26*	
	For >50 To 100, Deduct	*-32.29*	
	For >100, Deduct	*-48.24*	
08 14 16 00-0445	EA 2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	355.22	76.74
	For 7 Ply Cold Press Construction, Deduct	*-4.04*	
	For Stave Lumber Core (SLC), Add	*151.31*	
	For Structural Composite Lumber Core (SCLC), Add	*90.79*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*348.02*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.21*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.95*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.31*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.10*	
	For >25 To 50, Deduct	*-19.58*	
	For >50 To 100, Deduct	*-33.00*	
	For >100, Deduct	*-49.45*	
08 14 16 00-0446	EA 2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	360.62	76.74
	For 7 Ply Cold Press Construction, Deduct	*-4.14*	
	For Stave Lumber Core (SLC), Add	*155.36*	
	For Structural Composite Lumber Core (SCLC), Add	*93.22*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*357.33*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.86*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.86*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.36*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.58*	
	For >25 To 50, Deduct	*-19.80*	
	For >50 To 100, Deduct	*-33.47*	
	For >100, Deduct	*-50.26*	
08 14 16 00-0447	EA 3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	372.67	80.07
	For 7 Ply Cold Press Construction, Deduct	*-4.25*	
	For Stave Lumber Core (SLC), Add	*159.39*	
	For Structural Composite Lumber Core (SCLC), Add	*95.63*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*366.60*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.50*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.76*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.39*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.02*	
	For >25 To 50, Deduct	*-20.51*	
	For >50 To 100, Deduct	*-34.61*	
	For >100, Deduct	*-51.90*	
08 14 16 00-0448	EA 3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	396.04	80.07
	For 7 Ply Cold Press Construction, Deduct	*-4.72*	
	For Stave Lumber Core (SLC), Add	*176.92*	
	For Structural Composite Lumber Core (SCLC), Add	*106.15*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*406.91*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.31*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*127.38*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*176.92*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*283.07*	
	For >25 To 50, Deduct	*-21.45*	
	For >50 To 100, Deduct	*-36.66*	
	For >100, Deduct	*-55.40*	
08 14 16 00-0449	EA 3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	453.22	83.41
	For 7 Ply Cold Press Construction, Deduct	*-5.73*	
	For Stave Lumber Core (SLC), Add	*214.80*	
	For Structural Composite Lumber Core (SCLC), Add	*128.88*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*494.04*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.37*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*154.66*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*214.80*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*343.68*	
	For >25 To 50, Deduct	*-23.97*	
	For >50 To 100, Deduct	*-41.74*	
	For >100, Deduct	*-63.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0450	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	467.54	83.41
		For 7 Ply Cold Press Construction, Deduct	*-6.01*	
		For Stave Lumber Core (SLC), Add	*225.54*	
		For Structural Composite Lumber Core (SCLC), Add	*135.32*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*518.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*162.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*225.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*360.86*	
		For >25 To 50, Deduct	*-24.54*	
		For >50 To 100, Deduct	*-43.00*	
		For >100, Deduct	*-65.96*	
08 14 16 00-0451	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	509.52	90.08
		For 7 Ply Cold Press Construction, Deduct	*-6.59*	
		For Stave Lumber Core (SLC), Add	*247.01*	
		For Structural Composite Lumber Core (SCLC), Add	*148.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*568.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.52*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*177.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*247.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*395.22*	
		For >25 To 50, Deduct	*-26.69*	
		For >50 To 100, Deduct	*-46.84*	
		For >100, Deduct	*-71.92*	
08 14 16 00-0452	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	341.59	73.40
		For 7 Ply Cold Press Construction, Deduct	*-3.90*	
		For Stave Lumber Core (SLC), Add	*146.09*	
		For Structural Composite Lumber Core (SCLC), Add	*87.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*336.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*233.74*	
		For >25 To 50, Deduct	*-18.80*	
		For >50 To 100, Deduct	*-31.72*	
		For >100, Deduct	*-47.57*	
08 14 16 00-0453	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	341.59	73.40
		For 7 Ply Cold Press Construction, Deduct	*-3.90*	
		For Stave Lumber Core (SLC), Add	*146.09*	
		For Structural Composite Lumber Core (SCLC), Add	*87.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*336.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*105.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*146.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*233.74*	
		For >25 To 50, Deduct	*-18.80*	
		For >50 To 100, Deduct	*-31.72*	
		For >100, Deduct	*-47.57*	
08 14 16 00-0454	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	358.43	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.10*	
		For Stave Lumber Core (SLC), Add	*153.72*	
		For Structural Composite Lumber Core (SCLC), Add	*92.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*353.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.60*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.95*	
		For >25 To 50, Deduct	*-19.71*	
		For >50 To 100, Deduct	*-33.28*	
		For >100, Deduct	*-49.93*	
08 14 16 00-0455	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	366.97	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.27*	
		For Stave Lumber Core (SLC), Add	*160.13*	
		For Structural Composite Lumber Core (SCLC), Add	*96.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*368.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.29*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*160.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*256.20*	
		For >25 To 50, Deduct	*-20.05*	
		For >50 To 100, Deduct	*-34.03*	
		For >100, Deduct	*-51.21*	
08 14 16 00-0456	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	372.67	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.38*	
		For Stave Lumber Core (SLC), Add	*164.40*	
		For Structural Composite Lumber Core (SCLC), Add	*98.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*378.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.04*	
		For >25 To 50, Deduct	*-20.28*	
		For >50 To 100, Deduct	*-34.53*	
		For >100, Deduct	*-52.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0457	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	385.03	80.07
		For 7 Ply Cold Press Construction, Deduct	*-4.50*	
		For Stave Lumber Core (SLC), Add	*168.66*	
		For Structural Composite Lumber Core (SCLC), Add	*101.20*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*387.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.86*	
		For >25 To 50, Deduct	*-21.01*	
		For >50 To 100, Deduct	*-35.69*	
		For >100, Deduct	*-53.75*	
08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	409.77	80.07
		For 7 Ply Cold Press Construction, Deduct	*-4.99*	
		For Stave Lumber Core (SLC), Add	*187.22*	
		For Structural Composite Lumber Core (SCLC), Add	*112.33*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*430.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*134.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*187.22*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*299.54*	
		For >25 To 50, Deduct	*-22.00*	
		For >50 To 100, Deduct	*-37.86*	
		For >100, Deduct	*-57.46*	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	469.89	83.41
		For 7 Ply Cold Press Construction, Deduct	*-6.06*	
		For Stave Lumber Core (SLC), Add	*227.30*	
		For Structural Composite Lumber Core (SCLC), Add	*136.38*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*522.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*163.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*227.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*363.68*	
		For >25 To 50, Deduct	*-24.63*	
		For >50 To 100, Deduct	*-43.20*	
		For >100, Deduct	*-66.31*	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	485.05	83.41
		For 7 Ply Cold Press Construction, Deduct	*-6.36*	
		For Stave Lumber Core (SLC), Add	*238.67*	
		For Structural Composite Lumber Core (SCLC), Add	*143.20*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*548.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*171.84*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*238.67*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*381.88*	
		For >25 To 50, Deduct	*-25.24*	
		For >50 To 100, Deduct	*-44.53*	
		For >100, Deduct	*-68.59*	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	528.69	90.08
		For 7 Ply Cold Press Construction, Deduct	*-6.97*	
		For Stave Lumber Core (SLC), Add	*261.39*	
		For Structural Composite Lumber Core (SCLC), Add	*156.83*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*601.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*188.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*261.39*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*418.22*	
		For >25 To 50, Deduct	*-27.45*	
		For >50 To 100, Deduct	*-48.51*	
		For >100, Deduct	*-74.80*	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.34	73.40
		For 7 Ply Cold Press Construction, Deduct	*-5.17*	
		For Stave Lumber Core (SLC), Add	*193.90*	
		For Structural Composite Lumber Core (SCLC), Add	*116.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*445.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*193.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.24*	
		For >25 To 50, Deduct	*-21.35*	
		For >50 To 100, Deduct	*-37.30*	
		For >100, Deduct	*-57.13*	
		For 9' Door Height, Add	*54.29*	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	405.34	73.40
		For 7 Ply Cold Press Construction, Deduct	*-5.17*	
		For Stave Lumber Core (SLC), Add	*193.90*	
		For Structural Composite Lumber Core (SCLC), Add	*116.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*445.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.02*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*139.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*193.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*310.24*	
		For >25 To 50, Deduct	*-21.35*	
		For >50 To 100, Deduct	*-37.30*	
		For >100, Deduct	*-57.13*	
		For 9' Door Height, Add	*54.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	398.39	76.74
		For 7 Ply Cold Press Construction, Deduct	*-4.90*	
		For Stave Lumber Core (SLC), Add	*183.69*	
		For Structural Composite Lumber Core (SCLC), Add	*110.21*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*422.49*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*293.90*	
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-36.78*	
		For >100, Deduct	*-55.92*	
		For 9' Door Height, Add	*51.43*	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	408.59	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.10*	
		For Stave Lumber Core (SLC), Add	*191.34*	
		For Structural Composite Lumber Core (SCLC), Add	*114.80*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*440.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.76*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.14*	
		For >25 To 50, Deduct	*-21.72*	
		For >50 To 100, Deduct	*-37.67*	
		For >100, Deduct	*-57.45*	
		For 9' Door Height, Add	*53.58*	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	415.41	76.74
		For 7 Ply Cold Press Construction, Deduct	*-5.24*	
		For Stave Lumber Core (SLC), Add	*196.46*	
		For Structural Composite Lumber Core (SCLC), Add	*117.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*451.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.43*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*141.45*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*196.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*314.33*	
		For >25 To 50, Deduct	*-21.99*	
		For >50 To 100, Deduct	*-38.27*	
		For >100, Deduct	*-58.47*	
		For 9' Door Height, Add	*55.01*	
08 14 16 00-0467	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	428.88	80.07
		For 7 Ply Cold Press Construction, Deduct	*-5.37*	
		For Stave Lumber Core (SLC), Add	*201.55*	
		For Structural Composite Lumber Core (SCLC), Add	*120.93*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*463.56*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*145.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*201.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*322.48*	
		For >25 To 50, Deduct	*-22.76*	
		For >50 To 100, Deduct	*-39.53*	
		For >100, Deduct	*-60.33*	
		For 9' Door Height, Add	*56.43*	
08 14 16 00-0468	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	458.44	80.07
		For 7 Ply Cold Press Construction, Deduct	*-5.97*	
		For Stave Lumber Core (SLC), Add	*223.72*	
		For Structural Composite Lumber Core (SCLC), Add	*134.23*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*514.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*161.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*223.72*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*357.95*	
		For >25 To 50, Deduct	*-23.94*	
		For >50 To 100, Deduct	*-42.12*	
		For >100, Deduct	*-64.76*	
		For 9' Door Height, Add	*62.64*	
08 14 16 00-0469	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	528.98	83.41
		For 7 Ply Cold Press Construction, Deduct	*-7.24*	
		For Stave Lumber Core (SLC), Add	*271.62*	
		For Structural Composite Lumber Core (SCLC), Add	*162.97*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*624.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*195.57*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*271.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*434.59*	
		For >25 To 50, Deduct	*-27.00*	
		For >50 To 100, Deduct	*-48.37*	
		For >100, Deduct	*-75.18*	
		For 9' Door Height, Add	*76.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0470	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	547.09	83.41
		For 7 Ply Cold Press Construction, Deduct	*-7.61*	
		For Stave Lumber Core (SLC), Add	*285.20*	
		For Structural Composite Lumber Core (SCLC), Add	*171.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*655.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.63*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*205.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*285.20*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*456.32*	
		For >25 To 50, Deduct	*-27.72*	
		For >50 To 100, Deduct	*-49.96*	
		For >100, Deduct	*-77.89*	
		For 9' Door Height, Add	*79.86*	
08 14 16 00-0471	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	596.65	90.08
		For 7 Ply Cold Press Construction, Deduct	*-8.33*	
		For Stave Lumber Core (SLC), Add	*312.36*	
		For Structural Composite Lumber Core (SCLC), Add	*187.42*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*718.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.98*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.90*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*312.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*499.78*	
		For >25 To 50, Deduct	*-30.17*	
		For >50 To 100, Deduct	*-54.46*	
		For >100, Deduct	*-84.99*	
		For 9' Door Height, Add	*87.46*	

08 14 16 00-0472 Oak Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0473	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	539.14	73.40
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*676.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >25 To 50, Deduct	*-26.70*	
		For >50 To 100, Deduct	*-49.01*	
		For >100, Deduct	*-77.20*	
08 14 16 00-0474	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	539.14	73.40
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*676.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >25 To 50, Deduct	*-26.70*	
		For >50 To 100, Deduct	*-49.01*	
		For >100, Deduct	*-77.20*	
08 14 16 00-0475	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	545.80	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.85*	
		For Stave Lumber Core (SLC), Add	*294.25*	
		For Structural Composite Lumber Core (SCLC), Add	*176.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*676.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*211.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*294.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*470.80*	
		For >25 To 50, Deduct	*-27.20*	
		For >50 To 100, Deduct	*-49.68*	
		For >100, Deduct	*-78.03*	
08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	549.83	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.93*	
		For Stave Lumber Core (SLC), Add	*297.27*	
		For Structural Composite Lumber Core (SCLC), Add	*178.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*683.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*475.63*	
		For >25 To 50, Deduct	*-27.36*	
		For >50 To 100, Deduct	*-50.03*	
		For >100, Deduct	*-78.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	551.65	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.96*	
		For Stave Lumber Core (SLC), Add	*298.64*	
		For Structural Composite Lumber Core (SCLC), Add	*179.18*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*686.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*298.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*477.82*	
		For >25 To 50, Deduct	*-27.44*	
		For >50 To 100, Deduct	*-50.19*	
		For >100, Deduct	*-78.91*	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	560.15	80.07
		For 7 Ply Cold Press Construction, Deduct	*-8.00*	
		For Stave Lumber Core (SLC), Add	*300.00*	
		For Structural Composite Lumber Core (SCLC), Add	*180.00*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*690.00*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*216.00*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*300.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*480.00*	
		For >25 To 50, Deduct	*-28.01*	
		For >50 To 100, Deduct	*-51.02*	
		For >100, Deduct	*-80.02*	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	604.09	80.07
		For 7 Ply Cold Press Construction, Deduct	*-8.88*	
		For Stave Lumber Core (SLC), Add	*332.96*	
		For Structural Composite Lumber Core (SCLC), Add	*199.77*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*765.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*239.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*332.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*532.73*	
		For >25 To 50, Deduct	*-29.77*	
		For >50 To 100, Deduct	*-54.86*	
		For >100, Deduct	*-86.61*	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	723.90	83.41
		For 7 Ply Cold Press Construction, Deduct	*-11.14*	
		For Stave Lumber Core (SLC), Add	*417.81*	
		For Structural Composite Lumber Core (SCLC), Add	*250.69*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*960.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*66.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*300.82*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*417.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*668.50*	
		For >25 To 50, Deduct	*-34.79*	
		For >50 To 100, Deduct	*-65.43*	
		For >100, Deduct	*-104.41*	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	752.14	83.41
		For 7 Ply Cold Press Construction, Deduct	*-11.71*	
		For Stave Lumber Core (SLC), Add	*438.99*	
		For Structural Composite Lumber Core (SCLC), Add	*263.39*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,009.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*316.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*438.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*702.38*	
		For >25 To 50, Deduct	*-35.92*	
		For >50 To 100, Deduct	*-67.90*	
		For >100, Deduct	*-108.65*	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	820.82	90.08
		For 7 Ply Cold Press Construction, Deduct	*-12.81*	
		For Stave Lumber Core (SLC), Add	*480.49*	
		For Structural Composite Lumber Core (SCLC), Add	*288.29*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,105.12*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*345.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.78*	
		For >25 To 50, Deduct	*-39.14*	
		For >50 To 100, Deduct	*-74.07*	
		For >100, Deduct	*-118.62*	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	561.96	73.40
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*716.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >25 To 50, Deduct	*-27.62*	
		For >50 To 100, Deduct	*-51.01*	
		For >100, Deduct	*-80.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	561.96	73.40
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*716.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >25 To 50, Deduct	*-27.62*	
		For >50 To 100, Deduct	*-51.01*	
		For >100, Deduct	*-80.62*	
08 14 16 00-0485	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	568.62	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.30*	
		For Stave Lumber Core (SLC), Add	*311.36*	
		For Structural Composite Lumber Core (SCLC), Add	*186.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*716.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*224.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*311.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*498.18*	
		For >25 To 50, Deduct	*-28.12*	
		For >50 To 100, Deduct	*-51.67*	
		For >100, Deduct	*-81.46*	
08 14 16 00-0486	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	572.88	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.39*	
		For Stave Lumber Core (SLC), Add	*314.56*	
		For Structural Composite Lumber Core (SCLC), Add	*188.73*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*723.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*503.29*	
		For >25 To 50, Deduct	*-28.29*	
		For >50 To 100, Deduct	*-52.05*	
		For >100, Deduct	*-82.10*	
08 14 16 00-0487	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	574.82	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.43*	
		For Stave Lumber Core (SLC), Add	*316.01*	
		For Structural Composite Lumber Core (SCLC), Add	*189.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*726.83*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*227.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*316.01*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*505.62*	
		For >25 To 50, Deduct	*-28.36*	
		For >50 To 100, Deduct	*-52.22*	
		For >100, Deduct	*-82.39*	
08 14 16 00-0488	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	583.44	80.07
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.47*	
		For Structural Composite Lumber Core (SCLC), Add	*190.48*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*730.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.79*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*228.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*317.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*507.95*	
		For >25 To 50, Deduct	*-28.94*	
		For >50 To 100, Deduct	*-53.05*	
		For >100, Deduct	*-83.51*	
08 14 16 00-0489	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	629.93	80.07
		For 7 Ply Cold Press Construction, Deduct	*-9.40*	
		For Stave Lumber Core (SLC), Add	*352.34*	
		For Structural Composite Lumber Core (SCLC), Add	*211.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*810.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*253.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*352.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*563.74*	
		For >25 To 50, Deduct	*-30.80*	
		For >50 To 100, Deduct	*-57.12*	
		For >100, Deduct	*-90.49*	
08 14 16 00-0490	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	756.33	83.41
		For 7 Ply Cold Press Construction, Deduct	*-11.79*	
		For Stave Lumber Core (SLC), Add	*442.13*	
		For Structural Composite Lumber Core (SCLC), Add	*265.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,016.90*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*70.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*318.34*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*442.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*707.41*	
		For >25 To 50, Deduct	*-36.09*	
		For >50 To 100, Deduct	*-68.26*	
		For >100, Deduct	*-109.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0491	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	786.20	83.41
		For 7 Ply Cold Press Construction, Deduct	*-12.39*	
		For Stave Lumber Core (SLC), Add	*464.54*	
		For Structural Composite Lumber Core (SCLC), Add	*278.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,068.43*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.33*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*334.47*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*464.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*743.26*	
		For >25 To 50, Deduct	*-37.29*	
		For >50 To 100, Deduct	*-70.88*	
		For >100, Deduct	*-113.76*	
08 14 16 00-0492	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	858.09	90.08
		For 7 Ply Cold Press Construction, Deduct	*-13.56*	
		For Stave Lumber Core (SLC), Add	*508.44*	
		For Structural Composite Lumber Core (SCLC), Add	*305.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,169.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*366.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*508.44*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*813.50*	
		For >25 To 50, Deduct	*-40.63*	
		For >50 To 100, Deduct	*-77.34*	
		For >100, Deduct	*-124.21*	
08 14 16 00-0493	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	642.90	73.40
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*855.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >25 To 50, Deduct	*-30.85*	
		For >50 To 100, Deduct	*-58.09*	
		For >100, Deduct	*-92.76*	
		For 9' Door Height, Add	*104.18*	
08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	642.90	73.40
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*855.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >25 To 50, Deduct	*-30.85*	
		For >50 To 100, Deduct	*-58.09*	
		For >100, Deduct	*-92.76*	
		For 9' Door Height, Add	*104.18*	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	649.56	76.74
		For 7 Ply Cold Press Construction, Deduct	*-9.92*	
		For Stave Lumber Core (SLC), Add	*372.07*	
		For Structural Composite Lumber Core (SCLC), Add	*223.24*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*855.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*267.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*372.07*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*595.31*	
		For >25 To 50, Deduct	*-31.35*	
		For >50 To 100, Deduct	*-58.75*	
		For >100, Deduct	*-93.60*	
		For 9' Door Height, Add	*104.18*	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	654.68	76.74
		For 7 Ply Cold Press Construction, Deduct	*-10.02*	
		For Stave Lumber Core (SLC), Add	*375.91*	
		For Structural Composite Lumber Core (SCLC), Add	*225.54*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*864.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*270.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*375.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*601.45*	
		For >25 To 50, Deduct	*-31.56*	
		For >50 To 100, Deduct	*-59.20*	
		For >100, Deduct	*-94.37*	
		For 9' Door Height, Add	*105.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	657.00	76.74
		For 7 Ply Cold Press Construction, Deduct	*-10.07*	
		For Stave Lumber Core (SLC), Add	*377.65*	
		For Structural Composite Lumber Core (SCLC), Add	*226.59*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*868.59*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*271.91*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*377.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*604.24*	
		For >25 To 50, Deduct	*-31.65*	
		For >50 To 100, Deduct	*-59.41*	
		For >100, Deduct	*-94.71*	
		For 9' Door Height, Add	*105.74*	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	665.97	80.07
		For 7 Ply Cold Press Construction, Deduct	*-10.12*	
		For Stave Lumber Core (SLC), Add	*379.37*	
		For Structural Composite Lumber Core (SCLC), Add	*227.62*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*872.54*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*60.70*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*273.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*379.37*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*606.98*	
		For >25 To 50, Deduct	*-32.24*	
		For >50 To 100, Deduct	*-60.27*	
		For >100, Deduct	*-95.89*	
		For 9' Door Height, Add	*106.22*	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	721.53	80.07
		For 7 Ply Cold Press Construction, Deduct	*-11.23*	
		For Stave Lumber Core (SLC), Add	*421.04*	
		For Structural Composite Lumber Core (SCLC), Add	*252.62*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*968.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*303.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*421.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*673.66*	
		For >25 To 50, Deduct	*-34.47*	
		For >50 To 100, Deduct	*-65.14*	
		For >100, Deduct	*-104.23*	
		For 9' Door Height, Add	*117.89*	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	871.28	83.41
		For 7 Ply Cold Press Construction, Deduct	*-14.09*	
		For Stave Lumber Core (SLC), Add	*528.35*	
		For Structural Composite Lumber Core (SCLC), Add	*317.01*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,215.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*84.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*380.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*528.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*845.35*	
		For >25 To 50, Deduct	*-40.69*	
		For >50 To 100, Deduct	*-78.32*	
		For >100, Deduct	*-126.52*	
		For 9' Door Height, Add	*147.94*	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	906.97	83.41
		For 7 Ply Cold Press Construction, Deduct	*-14.80*	
		For Stave Lumber Core (SLC), Add	*555.11*	
		For Structural Composite Lumber Core (SCLC), Add	*333.07*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,276.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*88.82*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*399.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*555.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*888.18*	
		For >25 To 50, Deduct	*-42.12*	
		For >50 To 100, Deduct	*-81.45*	
		For >100, Deduct	*-131.88*	
		For 9' Door Height, Add	*155.43*	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	990.29	90.08
		For 7 Ply Cold Press Construction, Deduct	*-16.20*	
		For Stave Lumber Core (SLC), Add	*607.59*	
		For Structural Composite Lumber Core (SCLC), Add	*364.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,397.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.21*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.46*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*607.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*972.14*	
		For >25 To 50, Deduct	*-45.92*	
		For >50 To 100, Deduct	*-88.90*	
		For >100, Deduct	*-144.04*	
		For 9' Door Height, Add	*170.13*	

08 14 16 00-0503 Maple Faced Wood Doors *(08 14 16 00-0440)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0504	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	478.18	73.40
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*571.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >25 To 50, Deduct	*-24.27*	
		For >50 To 100, Deduct	*-43.68*	
		For >100, Deduct	*-68.06*	
08 14 16 00-0505	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	478.18	73.40
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*571.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >25 To 50, Deduct	*-24.27*	
		For >50 To 100, Deduct	*-43.68*	
		For >100, Deduct	*-68.06*	
08 14 16 00-0506	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	484.84	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.63*	
		For Stave Lumber Core (SLC), Add	*248.53*	
		For Structural Composite Lumber Core (SCLC), Add	*149.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*571.61*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*178.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*248.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*397.64*	
		For >25 To 50, Deduct	*-24.77*	
		For >50 To 100, Deduct	*-44.34*	
		For >100, Deduct	*-68.89*	
08 14 16 00-0507	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	488.25	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.70*	
		For Stave Lumber Core (SLC), Add	*251.09*	
		For Structural Composite Lumber Core (SCLC), Add	*150.65*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*577.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.09*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*401.74*	
		For >25 To 50, Deduct	*-24.90*	
		For >50 To 100, Deduct	*-44.64*	
		For >100, Deduct	*-69.40*	
08 14 16 00-0508	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	489.78	76.74
		For 7 Ply Cold Press Construction, Deduct	*-6.73*	
		For Stave Lumber Core (SLC), Add	*252.23*	
		For Structural Composite Lumber Core (SCLC), Add	*151.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*580.13*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*181.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*252.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*403.57*	
		For >25 To 50, Deduct	*-24.96*	
		For >50 To 100, Deduct	*-44.77*	
		For >100, Deduct	*-69.63*	
08 14 16 00-0509	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	498.01	80.07
		For 7 Ply Cold Press Construction, Deduct	*-6.76*	
		For Stave Lumber Core (SLC), Add	*253.40*	
		For Structural Composite Lumber Core (SCLC), Add	*152.04*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*582.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*182.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*253.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*405.43*	
		For >25 To 50, Deduct	*-25.53*	
		For >50 To 100, Deduct	*-45.58*	
		For >100, Deduct	*-70.70*	
08 14 16 00-0510	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	535.13	80.07
		For 7 Ply Cold Press Construction, Deduct	*-7.50*	
		For Stave Lumber Core (SLC), Add	*281.24*	
		For Structural Composite Lumber Core (SCLC), Add	*168.74*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*646.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*45.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*202.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*281.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*449.98*	
		For >25 To 50, Deduct	*-27.01*	
		For >50 To 100, Deduct	*-48.83*	
		For >100, Deduct	*-76.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0511	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	613.82	83.41
		For 7 Ply Cold Press Construction, Deduct	*-8.94*	
		For Stave Lumber Core (SLC), Add	*335.25*	
		For Structural Composite Lumber Core (SCLC), Add	*201.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*771.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*53.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*241.38*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*335.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*536.40*	
		For >25 To 50, Deduct	*-30.39*	
		For >50 To 100, Deduct	*-55.79*	
		For >100, Deduct	*-87.90*	
08 14 16 00-0512	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	660.86	83.41
		For 7 Ply Cold Press Construction, Deduct	*-9.88*	
		For Stave Lumber Core (SLC), Add	*370.53*	
		For Structural Composite Lumber Core (SCLC), Add	*222.32*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*852.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*266.78*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*370.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*592.85*	
		For >25 To 50, Deduct	*-32.27*	
		For >50 To 100, Deduct	*-59.91*	
		For >100, Deduct	*-94.96*	
08 14 16 00-0513	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	707.96	83.41
		For 7 Ply Cold Press Construction, Deduct	*-10.82*	
		For Stave Lumber Core (SLC), Add	*405.86*	
		For Structural Composite Lumber Core (SCLC), Add	*243.51*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*933.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*64.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*292.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*405.86*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*649.37*	
		For >25 To 50, Deduct	*-34.16*	
		For >50 To 100, Deduct	*-64.03*	
		For >100, Deduct	*-102.02*	
08 14 16 00-0514	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	497.46	73.40
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*604.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >25 To 50, Deduct	*-25.04*	
		For >50 To 100, Deduct	*-45.36*	
		For >100, Deduct	*-70.95*	
08 14 16 00-0515	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	497.46	73.40
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*604.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >25 To 50, Deduct	*-25.04*	
		For >50 To 100, Deduct	*-45.36*	
		For >100, Deduct	*-70.95*	
08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	504.12	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.01*	
		For Stave Lumber Core (SLC), Add	*262.99*	
		For Structural Composite Lumber Core (SCLC), Add	*157.79*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*604.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*262.99*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*420.78*	
		For >25 To 50, Deduct	*-25.54*	
		For >50 To 100, Deduct	*-46.03*	
		For >100, Deduct	*-71.78*	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	507.72	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.09*	
		For Stave Lumber Core (SLC), Add	*265.69*	
		For Structural Composite Lumber Core (SCLC), Add	*159.41*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*611.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.51*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*191.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*265.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*425.10*	
		For >25 To 50, Deduct	*-25.68*	
		For >50 To 100, Deduct	*-46.34*	
		For >100, Deduct	*-72.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	509.36	76.74
		For 7 Ply Cold Press Construction, Deduct	*-7.12*	
		For Stave Lumber Core (SLC), Add	*266.92*	
		For Structural Composite Lumber Core (SCLC), Add	*160.15*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*613.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*192.18*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*266.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*427.07*	
		For >25 To 50, Deduct	*-25.75*	
		For >50 To 100, Deduct	*-46.49*	
		For >100, Deduct	*-72.57*	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	517.67	80.07
		For 7 Ply Cold Press Construction, Deduct	*-7.15*	
		For Stave Lumber Core (SLC), Add	*268.14*	
		For Structural Composite Lumber Core (SCLC), Add	*160.88*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*616.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*193.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*268.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*429.02*	
		For >25 To 50, Deduct	*-26.31*	
		For >50 To 100, Deduct	*-47.30*	
		For >100, Deduct	*-73.65*	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	556.94	80.07
		For 7 Ply Cold Press Construction, Deduct	*-7.94*	
		For Stave Lumber Core (SLC), Add	*297.59*	
		For Structural Composite Lumber Core (SCLC), Add	*178.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*684.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.61*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*214.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*297.59*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*476.15*	
		For >25 To 50, Deduct	*-27.88*	
		For >50 To 100, Deduct	*-50.73*	
		For >100, Deduct	*-79.54*	
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	639.84	83.41
		For 7 Ply Cold Press Construction, Deduct	*-9.46*	
		For Stave Lumber Core (SLC), Add	*354.77*	
		For Structural Composite Lumber Core (SCLC), Add	*212.86*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*815.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*255.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*354.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*567.62*	
		For >25 To 50, Deduct	*-31.43*	
		For >50 To 100, Deduct	*-58.07*	
		For >100, Deduct	*-91.81*	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	689.63	83.41
		For 7 Ply Cold Press Construction, Deduct	*-10.46*	
		For Stave Lumber Core (SLC), Add	*392.11*	
		For Structural Composite Lumber Core (SCLC), Add	*235.26*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*901.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.74*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*282.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*392.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*627.37*	
		For >25 To 50, Deduct	*-33.42*	
		For >50 To 100, Deduct	*-62.43*	
		For >100, Deduct	*-99.27*	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	739.46	83.41
		For 7 Ply Cold Press Construction, Deduct	*-11.45*	
		For Stave Lumber Core (SLC), Add	*429.48*	
		For Structural Composite Lumber Core (SCLC), Add	*257.69*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*987.80*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*309.23*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*429.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*687.17*	
		For >25 To 50, Deduct	*-35.42*	
		For >50 To 100, Deduct	*-66.79*	
		For >100, Deduct	*-106.75*	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	565.83	73.40
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*722.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >25 To 50, Deduct	*-27.77*	
		For >50 To 100, Deduct	*-51.35*	
		For >100, Deduct	*-81.20*	
		For 9' Door Height, Add	*87.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	565.83	73.40
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*722.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >25 To 50, Deduct	*-27.77*	
		For >50 To 100, Deduct	*-51.35*	
		For >100, Deduct	*-81.20*	
		For 9' Door Height, Add	*87.99*	
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	572.49	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.38*	
		For Stave Lumber Core (SLC), Add	*314.27*	
		For Structural Composite Lumber Core (SCLC), Add	*188.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*722.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*226.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*314.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*502.82*	
		For >25 To 50, Deduct	*-28.27*	
		For >50 To 100, Deduct	*-52.01*	
		For >100, Deduct	*-82.04*	
		For 9' Door Height, Add	*87.99*	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	576.80	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.47*	
		For Stave Lumber Core (SLC), Add	*317.50*	
		For Structural Composite Lumber Core (SCLC), Add	*190.50*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*730.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*228.60*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*317.50*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*508.00*	
		For >25 To 50, Deduct	*-28.44*	
		For >50 To 100, Deduct	*-52.39*	
		For >100, Deduct	*-82.68*	
		For 9' Door Height, Add	*88.90*	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	578.76	76.74
		For 7 Ply Cold Press Construction, Deduct	*-8.51*	
		For Stave Lumber Core (SLC), Add	*318.97*	
		For Structural Composite Lumber Core (SCLC), Add	*191.38*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*733.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.03*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*229.66*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*318.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*510.35*	
		For >25 To 50, Deduct	*-28.52*	
		For >50 To 100, Deduct	*-52.56*	
		For >100, Deduct	*-82.98*	
		For 9' Door Height, Add	*89.31*	
08 14 16 00-0529	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	587.38	80.07
		For 7 Ply Cold Press Construction, Deduct	*-8.54*	
		For Stave Lumber Core (SLC), Add	*320.42*	
		For Structural Composite Lumber Core (SCLC), Add	*192.25*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*736.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*51.27*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*230.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*320.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*512.68*	
		For >25 To 50, Deduct	*-29.10*	
		For >50 To 100, Deduct	*-53.40*	
		For >100, Deduct	*-84.10*	
		For 9' Door Height, Add	*89.72*	
08 14 16 00-0530	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	634.31	80.07
		For 7 Ply Cold Press Construction, Deduct	*-9.48*	
		For Stave Lumber Core (SLC), Add	*355.62*	
		For Structural Composite Lumber Core (SCLC), Add	*213.37*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*817.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*56.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*256.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*355.62*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*568.99*	
		For >25 To 50, Deduct	*-30.98*	
		For >50 To 100, Deduct	*-57.50*	
		For >100, Deduct	*-91.14*	
		For 9' Door Height, Add	*99.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0531	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	732.07	83.41
		For 7 Ply Cold Press Construction, Deduct	*-11.31*	
		For Stave Lumber Core (SLC), Add	*423.94*	
		For Structural Composite Lumber Core (SCLC), Add	*254.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*975.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*67.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*305.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*423.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*678.30*	
		For >25 To 50, Deduct	*-35.12*	
		For >50 To 100, Deduct	*-66.14*	
		For >100, Deduct	*-105.64*	
		For 9' Door Height, Add	*118.70*	
08 14 16 00-0532	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	791.57	83.41
		For 7 Ply Cold Press Construction, Deduct	*-12.50*	
		For Stave Lumber Core (SLC), Add	*468.56*	
		For Structural Composite Lumber Core (SCLC), Add	*281.14*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,077.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.97*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*337.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*468.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*749.70*	
		For >25 To 50, Deduct	*-37.50*	
		For >50 To 100, Deduct	*-71.35*	
		For >100, Deduct	*-114.57*	
		For 9' Door Height, Add	*131.20*	
08 14 16 00-0533	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	851.10	83.41
		For 7 Ply Cold Press Construction, Deduct	*-13.69*	
		For Stave Lumber Core (SLC), Add	*513.21*	
		For Structural Composite Lumber Core (SCLC), Add	*307.93*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,180.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*82.11*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*369.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*513.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*821.14*	
		For >25 To 50, Deduct	*-39.88*	
		For >50 To 100, Deduct	*-76.56*	
		For >100, Deduct	*-123.49*	
		For 9' Door Height, Add	*143.70*	

08 14 16 00-0534 Walnut Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0535	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	748.75	73.40
		For 7 Ply Cold Press Construction, Deduct	*-12.04*	
		For Stave Lumber Core (SLC), Add	*451.46*	
		For Structural Composite Lumber Core (SCLC), Add	*270.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,038.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*325.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*451.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*722.33*	
		For >25 To 50, Deduct	*-35.09*	
		For >50 To 100, Deduct	*-67.35*	
		For >100, Deduct	*-108.64*	
08 14 16 00-0536	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	748.75	73.40
		For 7 Ply Cold Press Construction, Deduct	*-12.04*	
		For Stave Lumber Core (SLC), Add	*451.46*	
		For Structural Composite Lumber Core (SCLC), Add	*270.87*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,038.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*325.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*451.46*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*722.33*	
		For >25 To 50, Deduct	*-35.09*	
		For >50 To 100, Deduct	*-67.35*	
		For >100, Deduct	*-108.64*	
08 14 16 00-0537	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	755.61	76.74
		For 7 Ply Cold Press Construction, Deduct	*-12.04*	
		For Stave Lumber Core (SLC), Add	*451.61*	
		For Structural Composite Lumber Core (SCLC), Add	*270.96*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,038.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*72.26*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*325.16*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*451.61*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*722.57*	
		For >25 To 50, Deduct	*-35.60*	
		For >50 To 100, Deduct	*-68.03*	
		For >100, Deduct	*-109.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0538	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	761.81	76.74
		For 7 Ply Cold Press Construction, Deduct	*-12.17*	
		For Stave Lumber Core (SLC), Add	*456.26*	
		For Structural Composite Lumber Core (SCLC), Add	*273.75*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,049.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*73.00*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*328.50*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*456.26*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*730.01*	
		For >25 To 50, Deduct	*-35.84*	
		For >50 To 100, Deduct	*-68.58*	
		For >100, Deduct	*-110.43*	
08 14 16 00-0539	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	778.04	76.74
		For 7 Ply Cold Press Construction, Deduct	*-12.49*	
		For Stave Lumber Core (SLC), Add	*468.43*	
		For Structural Composite Lumber Core (SCLC), Add	*281.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,077.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*74.95*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*337.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*468.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*749.48*	
		For >25 To 50, Deduct	*-36.49*	
		For >50 To 100, Deduct	*-70.00*	
		For >100, Deduct	*-112.87*	
08 14 16 00-0540	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	800.91	80.07
		For 7 Ply Cold Press Construction, Deduct	*-12.82*	
		For Stave Lumber Core (SLC), Add	*480.57*	
		For Structural Composite Lumber Core (SCLC), Add	*288.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,105.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*346.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*480.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*768.91*	
		For >25 To 50, Deduct	*-37.64*	
		For >50 To 100, Deduct	*-72.08*	
		For >100, Deduct	*-116.13*	
08 14 16 00-0541	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	842.99	80.07
		For 7 Ply Cold Press Construction, Deduct	*-13.66*	
		For Stave Lumber Core (SLC), Add	*512.13*	
		For Structural Composite Lumber Core (SCLC), Add	*307.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,177.90*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*368.73*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*512.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*819.41*	
		For >25 To 50, Deduct	*-39.32*	
		For >50 To 100, Deduct	*-75.76*	
		For >100, Deduct	*-122.44*	
08 14 16 00-0542	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,027.27	83.41
		For 7 Ply Cold Press Construction, Deduct	*-17.21*	
		For Stave Lumber Core (SLC), Add	*645.34*	
		For Structural Composite Lumber Core (SCLC), Add	*387.20*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,484.28*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*103.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*464.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*645.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,032.54*	
		For >25 To 50, Deduct	*-46.93*	
		For >50 To 100, Deduct	*-91.97*	
		For >100, Deduct	*-149.92*	
08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,070.28	83.41
		For 7 Ply Cold Press Construction, Deduct	*-18.07*	
		For Stave Lumber Core (SLC), Add	*677.60*	
		For Structural Composite Lumber Core (SCLC), Add	*406.56*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,558.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*108.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*487.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*677.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,084.15*	
		For >25 To 50, Deduct	*-48.65*	
		For >50 To 100, Deduct	*-95.73*	
		For >100, Deduct	*-156.37*	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,156.37	83.41
		For 7 Ply Cold Press Construction, Deduct	*-19.79*	
		For Stave Lumber Core (SLC), Add	*742.16*	
		For Structural Composite Lumber Core (SCLC), Add	*445.30*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,706.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*118.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*534.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*742.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,187.46*	
		For >25 To 50, Deduct	*-52.09*	
		For >50 To 100, Deduct	*-103.27*	
		For >100, Deduct	*-169.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	783.78	73.40
		For 7 Ply Cold Press Construction, Deduct	*-12.74*	
		For Stave Lumber Core (SLC), Add	*477.73*	
		For Structural Composite Lumber Core (SCLC), Add	*286.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,098.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*343.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*477.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*764.36*	
		For >25 To 50, Deduct	*-36.49*	
		For >50 To 100, Deduct	*-70.42*	
		For >100, Deduct	*-113.90*	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	783.78	73.40
		For 7 Ply Cold Press Construction, Deduct	*-12.74*	
		For Stave Lumber Core (SLC), Add	*477.73*	
		For Structural Composite Lumber Core (SCLC), Add	*286.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,098.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.44*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*343.96*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*477.73*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*764.36*	
		For >25 To 50, Deduct	*-36.49*	
		For >50 To 100, Deduct	*-70.42*	
		For >100, Deduct	*-113.90*	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	790.63	76.74
		For 7 Ply Cold Press Construction, Deduct	*-12.74*	
		For Stave Lumber Core (SLC), Add	*477.87*	
		For Structural Composite Lumber Core (SCLC), Add	*286.72*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,099.10*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*76.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*344.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*477.87*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*764.59*	
		For >25 To 50, Deduct	*-37.00*	
		For >50 To 100, Deduct	*-71.10*	
		For >100, Deduct	*-114.76*	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	797.22	76.74
		For 7 Ply Cold Press Construction, Deduct	*-12.88*	
		For Stave Lumber Core (SLC), Add	*482.81*	
		For Structural Composite Lumber Core (SCLC), Add	*289.69*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,110.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*77.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*347.63*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*482.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*772.50*	
		For >25 To 50, Deduct	*-37.26*	
		For >50 To 100, Deduct	*-71.68*	
		For >100, Deduct	*-115.75*	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	814.38	76.74
		For 7 Ply Cold Press Construction, Deduct	*-13.22*	
		For Stave Lumber Core (SLC), Add	*495.68*	
		For Structural Composite Lumber Core (SCLC), Add	*297.41*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,140.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*79.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*356.89*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*495.68*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*793.09*	
		For >25 To 50, Deduct	*-37.95*	
		For >50 To 100, Deduct	*-73.18*	
		For >100, Deduct	*-118.32*	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	838.19	80.07
		For 7 Ply Cold Press Construction, Deduct	*-13.56*	
		For Stave Lumber Core (SLC), Add	*508.53*	
		For Structural Composite Lumber Core (SCLC), Add	*305.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,169.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*81.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*366.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*508.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*813.65*	
		For >25 To 50, Deduct	*-39.13*	
		For >50 To 100, Deduct	*-75.34*	
		For >100, Deduct	*-121.72*	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	882.74	80.07
		For 7 Ply Cold Press Construction, Deduct	*-14.45*	
		For Stave Lumber Core (SLC), Add	*541.94*	
		For Structural Composite Lumber Core (SCLC), Add	*325.17*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,246.47*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*86.71*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*390.20*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*541.94*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*867.11*	
		For >25 To 50, Deduct	*-40.91*	
		For >50 To 100, Deduct	*-79.24*	
		For >100, Deduct	*-128.41*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0552	EA 3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,077.33	83.41
	For 7 Ply Cold Press Construction, Deduct	*-18.21*	
	For Stave Lumber Core (SLC), Add	*682.88*	
	For Structural Composite Lumber Core (SCLC), Add	*409.73*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,570.63*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*109.26*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*491.68*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*682.88*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,092.61*	
	For >25 To 50, Deduct	*-48.93*	
	For >50 To 100, Deduct	*-96.35*	
	For >100, Deduct	*-157.43*	
08 14 16 00-0553	EA 3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,122.85	83.41
	For 7 Ply Cold Press Construction, Deduct	*-19.12*	
	For Stave Lumber Core (SLC), Add	*717.02*	
	For Structural Composite Lumber Core (SCLC), Add	*430.21*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,649.15*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*114.72*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*516.26*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*717.02*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,147.24*	
	For >25 To 50, Deduct	*-50.75*	
	For >50 To 100, Deduct	*-100.33*	
	For >100, Deduct	*-164.26*	
08 14 16 00-0554	EA 4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,213.94	83.41
	For 7 Ply Cold Press Construction, Deduct	*-20.94*	
	For Stave Lumber Core (SLC), Add	*785.34*	
	For Structural Composite Lumber Core (SCLC), Add	*471.20*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,806.28*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*125.65*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*565.44*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*785.34*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,256.54*	
	For >25 To 50, Deduct	*-54.40*	
	For >50 To 100, Deduct	*-108.31*	
	For >100, Deduct	*-177.92*	
08 14 16 00-0555	EA 2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	907.99	73.40
	For 7 Ply Cold Press Construction, Deduct	*-15.22*	
	For Stave Lumber Core (SLC), Add	*570.89*	
	For Structural Composite Lumber Core (SCLC), Add	*342.53*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,313.04*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.34*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*411.04*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*570.89*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*913.42*	
	For >25 To 50, Deduct	*-41.46*	
	For >50 To 100, Deduct	*-81.28*	
	For >100, Deduct	*-132.53*	
	For 9' Door Height, Add	*159.85*	
08 14 16 00-0556	EA 2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	907.99	73.40
	For 7 Ply Cold Press Construction, Deduct	*-15.22*	
	For Stave Lumber Core (SLC), Add	*570.89*	
	For Structural Composite Lumber Core (SCLC), Add	*342.53*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,313.04*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.34*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*411.04*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*570.89*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*913.42*	
	For >25 To 50, Deduct	*-41.46*	
	For >50 To 100, Deduct	*-81.28*	
	For >100, Deduct	*-132.53*	
	For 9' Door Height, Add	*159.85*	
08 14 16 00-0557	EA 2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	914.89	76.74
	For 7 Ply Cold Press Construction, Deduct	*-15.23*	
	For Stave Lumber Core (SLC), Add	*571.07*	
	For Structural Composite Lumber Core (SCLC), Add	*342.64*	
	For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,313.45*	
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*91.37*	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*411.17*	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*571.07*	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*913.70*	
	For >25 To 50, Deduct	*-41.97*	
	For >50 To 100, Deduct	*-81.97*	
	For >100, Deduct	*-133.40*	
	For 9' Door Height, Add	*159.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0558	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	922.75	76.74
		For 7 Ply Cold Press Construction, Deduct	*-15.39*	
		For Stave Lumber Core (SLC), Add	*576.96*	
		For Structural Composite Lumber Core (SCLC), Add	*346.18*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,327.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*92.31*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*415.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*576.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*923.14*	
		For >25 To 50, Deduct	*-42.28*	
		For >50 To 100, Deduct	*-82.66*	
		For >100, Deduct	*-134.58*	
		For 9' Door Height, Add	*161.55*	
08 14 16 00-0559	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	943.25	76.74
		For 7 Ply Cold Press Construction, Deduct	*-15.80*	
		For Stave Lumber Core (SLC), Add	*592.34*	
		For Structural Composite Lumber Core (SCLC), Add	*355.40*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,362.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*94.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*426.48*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*592.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*947.74*	
		For >25 To 50, Deduct	*-43.10*	
		For >50 To 100, Deduct	*-84.45*	
		For >100, Deduct	*-137.65*	
		For 9' Door Height, Add	*165.85*	
08 14 16 00-0560	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	970.42	80.07
		For 7 Ply Cold Press Construction, Deduct	*-16.21*	
		For Stave Lumber Core (SLC), Add	*607.70*	
		For Structural Composite Lumber Core (SCLC), Add	*364.62*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,397.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*97.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*437.55*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*607.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*972.32*	
		For >25 To 50, Deduct	*-44.42*	
		For >50 To 100, Deduct	*-86.91*	
		For >100, Deduct	*-141.56*	
		For 9' Door Height, Add	*170.16*	
08 14 16 00-0561	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,023.66	80.07
		For 7 Ply Cold Press Construction, Deduct	*-17.27*	
		For Stave Lumber Core (SLC), Add	*647.63*	
		For Structural Composite Lumber Core (SCLC), Add	*388.58*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,489.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*103.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*466.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*647.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,036.21*	
		For >25 To 50, Deduct	*-46.55*	
		For >50 To 100, Deduct	*-91.57*	
		For >100, Deduct	*-149.55*	
		For 9' Door Height, Add	*181.34*	
08 14 16 00-0562	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,254.90	83.41
		For 7 Ply Cold Press Construction, Deduct	*-21.76*	
		For Stave Lumber Core (SLC), Add	*816.06*	
		For Structural Composite Lumber Core (SCLC), Add	*489.64*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,876.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*130.57*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*587.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*816.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,305.70*	
		For >25 To 50, Deduct	*-56.03*	
		For >50 To 100, Deduct	*-111.89*	
		For >100, Deduct	*-184.06*	
		For 9' Door Height, Add	*228.50*	
08 14 16 00-0563	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,309.29	83.41
		For 7 Ply Cold Press Construction, Deduct	*-22.85*	
		For Stave Lumber Core (SLC), Add	*856.85*	
		For Structural Composite Lumber Core (SCLC), Add	*514.11*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*1,970.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*137.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*616.93*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*856.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,370.96*	
		For >25 To 50, Deduct	*-58.21*	
		For >50 To 100, Deduct	*-116.65*	
		For >100, Deduct	*-192.22*	
		For 9' Door Height, Add	*239.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0564	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Walnut Faced Wood Door	1,418.13	83.41
		For 7 Ply Cold Press Construction, Deduct	*-25.03*	
		For Stave Lumber Core (SLC), Add	*938.48*	
		For Structural Composite Lumber Core (SCLC), Add	*563.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*2,158.51*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*150.16*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*675.71*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*938.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*1,501.57*	
		For >25 To 50, Deduct	*-62.56*	
		For >50 To 100, Deduct	*-126.17*	
		For >100, Deduct	*-208.55*	
		For 9' Door Height, Add	*262.78*	

08 14 16 00-0565 Lauan Faced Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0566	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	302.32	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*268.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.61*	
		For >25 To 50, Deduct	*-17.23*	
		For >50 To 100, Deduct	*-28.29*	
		For >100, Deduct	*-41.68*	
08 14 16 00-0567	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	302.32	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*268.25*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*83.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*186.61*	
		For >25 To 50, Deduct	*-17.23*	
		For >50 To 100, Deduct	*-28.29*	
		For >100, Deduct	*-41.68*	
08 14 16 00-0568	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	309.43	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*269.03*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.72*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*84.22*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*116.97*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*187.15*	
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-28.99*	
		For >100, Deduct	*-42.58*	
08 14 16 00-0569	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	313.91	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*276.76*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.25*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.64*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*192.53*	
		For >25 To 50, Deduct	*-17.93*	
		For >50 To 100, Deduct	*-29.39*	
		For >100, Deduct	*-43.25*	
08 14 16 00-0570	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	315.53	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*279.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.47*	
		For >25 To 50, Deduct	*-17.99*	
		For >50 To 100, Deduct	*-29.53*	
		For >100, Deduct	*-43.49*	
08 14 16 00-0571	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	323.83	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*282.35*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*122.76*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*196.42*	
		For >25 To 50, Deduct	*-18.56*	
		For >50 To 100, Deduct	*-30.34*	
		For >100, Deduct	*-44.57*	
08 14 16 00-0572	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	338.62	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*307.86*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*96.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*214.16*	
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-31.63*	
		For >100, Deduct	*-46.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0573	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	358.02	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*329.82*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*143.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*229.44*	
		For >25 To 50, Deduct	*-20.16*	
		For >50 To 100, Deduct	*-33.41*	
		For >100, Deduct	*-49.53*	
08 14 16 00-0574	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	367.58	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*346.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*240.91*	
		For >25 To 50, Deduct	*-20.54*	
		For >50 To 100, Deduct	*-34.25*	
		For >100, Deduct	*-50.97*	
08 14 16 00-0575	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	386.71	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*379.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*118.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*164.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*263.87*	
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-35.92*	
		For >100, Deduct	*-53.84*	
08 14 16 00-0576	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	311.36	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*283.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.46*	
		For >25 To 50, Deduct	*-17.59*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-43.03*	
08 14 16 00-0577	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	311.36	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*283.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.75*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*88.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.41*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*197.46*	
		For >25 To 50, Deduct	*-17.59*	
		For >50 To 100, Deduct	*-29.08*	
		For >100, Deduct	*-43.03*	
08 14 16 00-0578	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	318.50	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*284.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.80*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*89.12*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*123.77*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*198.04*	
		For >25 To 50, Deduct	*-18.11*	
		For >50 To 100, Deduct	*-29.79*	
		For >100, Deduct	*-43.94*	
08 14 16 00-0579	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	323.24	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*292.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*91.68*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*203.72*	
		For >25 To 50, Deduct	*-18.30*	
		For >50 To 100, Deduct	*-30.20*	
		For >100, Deduct	*-44.65*	
08 14 16 00-0580	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	324.97	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*295.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.58*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*128.63*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*205.80*	
		For >25 To 50, Deduct	*-18.37*	
		For >50 To 100, Deduct	*-30.35*	
		For >100, Deduct	*-44.91*	
08 14 16 00-0581	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	333.35	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*298.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*93.53*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*129.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*207.84*	
		For >25 To 50, Deduct	*-18.94*	
		For >50 To 100, Deduct	*-31.17*	
		For >100, Deduct	*-46.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0582	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	349.00	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*325.77*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*141.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*226.62*	
		For >25 To 50, Deduct	*-19.57*	
		For >50 To 100, Deduct	*-32.54*	
		For >100, Deduct	*-48.35*	
08 14 16 00-0583	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	369.15	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*349.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.28*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.75*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.80*	
		For >25 To 50, Deduct	*-20.60*	
		For >50 To 100, Deduct	*-34.39*	
		For >100, Deduct	*-51.20*	
08 14 16 00-0584	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	379.26	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*366.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.72*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*254.93*	
		For >25 To 50, Deduct	*-21.01*	
		For >50 To 100, Deduct	*-35.27*	
		For >100, Deduct	*-52.72*	
08 14 16 00-0585	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	399.51	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*401.39*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.92*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*125.65*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*174.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*279.23*	
		For >25 To 50, Deduct	*-21.82*	
		For >50 To 100, Deduct	*-37.04*	
		For >100, Deduct	*-55.76*	
08 14 16 00-0586	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	343.43	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*339.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.94*	
		For >25 To 50, Deduct	*-18.88*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-47.84*	
		For 9' Door Height, Add	*41.29*	
08 14 16 00-0587	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	343.43	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*339.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*235.94*	
		For >25 To 50, Deduct	*-18.88*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-47.84*	
		For 9' Door Height, Add	*41.29*	
08 14 16 00-0588	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	350.67	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*340.17*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*147.90*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*236.64*	
		For >25 To 50, Deduct	*-19.40*	
		For >50 To 100, Deduct	*-32.60*	
		For >100, Deduct	*-48.76*	
		For 9' Door Height, Add	*41.41*	
08 14 16 00-0589	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	356.35	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*349.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*152.16*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*243.46*	
		For >25 To 50, Deduct	*-19.63*	
		For >50 To 100, Deduct	*-33.10*	
		For >100, Deduct	*-49.62*	
		For 9' Door Height, Add	*42.60*	
08 14 16 00-0590	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	358.41	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*353.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.59*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*110.67*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*153.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*245.93*	
		For >25 To 50, Deduct	*-19.71*	
		For >50 To 100, Deduct	*-33.28*	
		For >100, Deduct	*-49.92*	
		For 9' Door Height, Add	*43.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0591	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	367.14	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*357.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.84*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*111.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*155.24*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*248.39*	
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-34.13*	
		For >100, Deduct	*-51.07*	
		For 9' Door Height, Add	*43.47*	
08 14 16 00-0592	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	385.84	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*389.32*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.08*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*169.27*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*270.83*	
		For >25 To 50, Deduct	*-21.04*	
		For >50 To 100, Deduct	*-35.76*	
		For >100, Deduct	*-53.87*	
		For 9' Door Height, Add	*47.39*	
08 14 16 00-0593	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	408.60	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*417.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*130.56*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*181.34*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*290.14*	
		For >25 To 50, Deduct	*-22.18*	
		For >50 To 100, Deduct	*-37.84*	
		For >100, Deduct	*-57.12*	
		For 9' Door Height, Add	*50.77*	
08 14 16 00-0594	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	420.68	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*437.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*304.63*	
		For >25 To 50, Deduct	*-22.67*	
		For >50 To 100, Deduct	*-38.89*	
		For >100, Deduct	*-58.93*	
		For 9' Door Height, Add	*53.31*	
08 14 16 00-0595	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	444.88	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*479.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.37*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.55*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.67*	
		For >25 To 50, Deduct	*-23.63*	
		For >50 To 100, Deduct	*-41.01*	
		For >100, Deduct	*-62.56*	
		For 9' Door Height, Add	*58.39*	

08 14 16 00-0596 Medium Density Overlay (MDO) Wood Doors *(08 14 16 00-0440)*

08 14 16 00-0597	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.75	73.40
		For Stave Lumber Core (SLC), Add	*101.21*	
		For Structural Composite Lumber Core (SCLC), Add	*60.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*72.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*101.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*161.93*	
		For >25 To 50, Deduct	*-16.41*	
		For >50 To 100, Deduct	*-26.49*	
		For >100, Deduct	*-38.59*	
08 14 16 00-0598	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	281.75	73.40
		For Stave Lumber Core (SLC), Add	*101.21*	
		For Structural Composite Lumber Core (SCLC), Add	*60.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*16.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*72.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*101.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*161.93*	
		For >25 To 50, Deduct	*-16.41*	
		For >50 To 100, Deduct	*-26.49*	
		For >100, Deduct	*-38.59*	
08 14 16 00-0599	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	296.22	76.74
		For Stave Lumber Core (SLC), Add	*107.06*	
		For Structural Composite Lumber Core (SCLC), Add	*64.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*77.09*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*107.06*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*171.30*	
		For >25 To 50, Deduct	*-17.22*	
		For >50 To 100, Deduct	*-27.84*	
		For >100, Deduct	*-40.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0600	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	304.02	76.74
		For Stave Lumber Core (SLC), Add	*112.91*	
		For Structural Composite Lumber Core (SCLC), Add	*67.75*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*81.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*112.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*180.66*	
		For >25 To 50, Deduct	*-17.53*	
		For >50 To 100, Deduct	*-28.52*	
		For >100, Deduct	*-41.77*	
08 14 16 00-0601	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	305.47	76.74
		For Stave Lumber Core (SLC), Add	*114.00*	
		For Structural Composite Lumber Core (SCLC), Add	*68.40*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.24*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*114.00*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*182.40*	
		For >25 To 50, Deduct	*-17.59*	
		For >50 To 100, Deduct	*-28.65*	
		For >100, Deduct	*-41.98*	
08 14 16 00-0602	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	313.62	80.07
		For Stave Lumber Core (SLC), Add	*115.10*	
		For Structural Composite Lumber Core (SCLC), Add	*69.06*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*82.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*115.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*184.16*	
		For >25 To 50, Deduct	*-18.15*	
		For >50 To 100, Deduct	*-29.44*	
		For >100, Deduct	*-43.04*	
08 14 16 00-0603	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	330.54	80.07
		For Stave Lumber Core (SLC), Add	*127.79*	
		For Structural Composite Lumber Core (SCLC), Add	*76.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.45*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.47*	
		For >25 To 50, Deduct	*-18.83*	
		For >50 To 100, Deduct	*-30.92*	
		For >100, Deduct	*-45.58*	
08 14 16 00-0604	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	368.10	83.41
		For Stave Lumber Core (SLC), Add	*150.96*	
		For Structural Composite Lumber Core (SCLC), Add	*90.58*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*108.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*150.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*241.54*	
		For >25 To 50, Deduct	*-20.56*	
		For >50 To 100, Deduct	*-34.29*	
		For >100, Deduct	*-51.04*	
08 14 16 00-0605	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	378.17	83.41
		For Stave Lumber Core (SLC), Add	*158.51*	
		For Structural Composite Lumber Core (SCLC), Add	*95.11*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.51*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.62*	
		For >25 To 50, Deduct	*-20.97*	
		For >50 To 100, Deduct	*-35.18*	
		For >100, Deduct	*-52.56*	
08 14 16 00-0606	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	398.28	83.41
		For Stave Lumber Core (SLC), Add	*173.60*	
		For Structural Composite Lumber Core (SCLC), Add	*104.16*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*27.78*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*124.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*173.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*277.75*	
		For >25 To 50, Deduct	*-21.77*	
		For >50 To 100, Deduct	*-36.93*	
		For >100, Deduct	*-55.57*	
08 14 16 00-0607	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	289.61	73.40
		For Stave Lumber Core (SLC), Add	*107.10*	
		For Structural Composite Lumber Core (SCLC), Add	*64.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*77.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*107.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*171.36*	
		For >25 To 50, Deduct	*-16.72*	
		For >50 To 100, Deduct	*-27.18*	
		For >100, Deduct	*-39.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0608	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	289.61	73.40
		For Stave Lumber Core (SLC), Add	*107.10*	
		For Structural Composite Lumber Core (SCLC), Add	*64.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*17.14*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*77.11*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*107.10*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*171.36*	
		For >25 To 50, Deduct	*-16.72*	
		For >50 To 100, Deduct	*-27.18*	
		For >100, Deduct	*-39.77*	
08 14 16 00-0609	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	304.54	76.74
		For Stave Lumber Core (SLC), Add	*113.30*	
		For Structural Composite Lumber Core (SCLC), Add	*67.98*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*18.13*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*81.58*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*113.30*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*181.28*	
		For >25 To 50, Deduct	*-17.55*	
		For >50 To 100, Deduct	*-28.57*	
		For >100, Deduct	*-41.84*	
08 14 16 00-0610	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	312.79	76.74
		For Stave Lumber Core (SLC), Add	*119.49*	
		For Structural Composite Lumber Core (SCLC), Add	*71.69*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.03*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*119.49*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*191.18*	
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-29.29*	
		For >100, Deduct	*-43.08*	
08 14 16 00-0611	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	314.32	76.74
		For Stave Lumber Core (SLC), Add	*120.64*	
		For Structural Composite Lumber Core (SCLC), Add	*72.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*86.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*120.64*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*193.02*	
		For >25 To 50, Deduct	*-17.94*	
		For >50 To 100, Deduct	*-29.42*	
		For >100, Deduct	*-43.31*	
08 14 16 00-0612	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	322.56	80.07
		For Stave Lumber Core (SLC), Add	*121.81*	
		For Structural Composite Lumber Core (SCLC), Add	*73.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*19.49*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*87.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*121.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*194.89*	
		For >25 To 50, Deduct	*-18.51*	
		For >50 To 100, Deduct	*-30.23*	
		For >100, Deduct	*-44.38*	
08 14 16 00-0613	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	340.45	80.07
		For Stave Lumber Core (SLC), Add	*135.23*	
		For Structural Composite Lumber Core (SCLC), Add	*81.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.36*	
		For >25 To 50, Deduct	*-19.22*	
		For >50 To 100, Deduct	*-31.79*	
		For >100, Deduct	*-47.06*	
08 14 16 00-0614	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	379.81	83.41
		For Stave Lumber Core (SLC), Add	*159.74*	
		For Structural Composite Lumber Core (SCLC), Add	*95.85*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.56*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.01*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*159.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*255.59*	
		For >25 To 50, Deduct	*-21.03*	
		For >50 To 100, Deduct	*-35.32*	
		For >100, Deduct	*-52.80*	
08 14 16 00-0615	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	390.47	83.41
		For Stave Lumber Core (SLC), Add	*167.74*	
		For Structural Composite Lumber Core (SCLC), Add	*100.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.84*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*120.77*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*167.74*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.38*	
		For >25 To 50, Deduct	*-21.46*	
		For >50 To 100, Deduct	*-36.25*	
		For >100, Deduct	*-54.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0616	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	411.76	83.41
		For Stave Lumber Core (SLC), Add	*183.71*	
		For Structural Composite Lumber Core (SCLC), Add	*110.22*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*29.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*132.27*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*183.71*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*293.93*	
		For >25 To 50, Deduct	*-22.31*	
		For >50 To 100, Deduct	*-38.11*	
		For >100, Deduct	*-57.59*	
08 14 16 00-0617	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.45	73.40
		For Stave Lumber Core (SLC), Add	*127.98*	
		For Structural Composite Lumber Core (SCLC), Add	*76.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.77*	
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-29.61*	
		For >100, Deduct	*-43.95*	
		For 9' Door Height, Add	*35.83*	
08 14 16 00-0618	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	317.45	73.40
		For Stave Lumber Core (SLC), Add	*127.98*	
		For Structural Composite Lumber Core (SCLC), Add	*76.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*20.48*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*92.15*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*127.98*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*204.77*	
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-29.61*	
		For >100, Deduct	*-43.95*	
		For 9' Door Height, Add	*35.83*	
08 14 16 00-0619	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	334.00	76.74
		For Stave Lumber Core (SLC), Add	*135.40*	
		For Structural Composite Lumber Core (SCLC), Add	*81.24*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.66*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*97.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*135.40*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*216.64*	
		For >25 To 50, Deduct	*-18.73*	
		For >50 To 100, Deduct	*-31.14*	
		For >100, Deduct	*-46.26*	
		For 9' Door Height, Add	*37.91*	
08 14 16 00-0620	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	343.86	76.74
		For Stave Lumber Core (SLC), Add	*142.79*	
		For Structural Composite Lumber Core (SCLC), Add	*85.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*102.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*142.79*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*228.47*	
		For >25 To 50, Deduct	*-19.13*	
		For >50 To 100, Deduct	*-32.01*	
		For >100, Deduct	*-47.74*	
		For 9' Door Height, Add	*39.98*	
08 14 16 00-0621	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	345.69	76.74
		For Stave Lumber Core (SLC), Add	*144.17*	
		For Structural Composite Lumber Core (SCLC), Add	*86.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*103.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*144.17*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*230.66*	
		For >25 To 50, Deduct	*-19.20*	
		For >50 To 100, Deduct	*-32.17*	
		For >100, Deduct	*-48.02*	
		For 9' Door Height, Add	*40.37*	
08 14 16 00-0622	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	354.23	80.07
		For Stave Lumber Core (SLC), Add	*145.56*	
		For Structural Composite Lumber Core (SCLC), Add	*87.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.29*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*104.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*145.56*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*232.90*	
		For >25 To 50, Deduct	*-19.77*	
		For >50 To 100, Deduct	*-33.00*	
		For >100, Deduct	*-49.13*	
		For 9' Door Height, Add	*40.76*	
08 14 16 00-0623	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	375.61	80.07
		For Stave Lumber Core (SLC), Add	*161.60*	
		For Structural Composite Lumber Core (SCLC), Add	*96.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.86*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*116.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*161.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*258.55*	
		For >25 To 50, Deduct	*-20.63*	
		For >50 To 100, Deduct	*-34.87*	
		For >100, Deduct	*-52.34*	
		For 9' Door Height, Add	*45.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0624	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	421.33	83.41
		For Stave Lumber Core (SLC), Add	*190.88*	
		For Structural Composite Lumber Core (SCLC), Add	*114.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.44*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*190.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*305.41*	
		For >25 To 50, Deduct	*-22.69*	
		For >50 To 100, Deduct	*-38.95*	
		For >100, Deduct	*-59.03*	
		For 9' Door Height, Add	*53.45*	
08 14 16 00-0625	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	434.08	83.41
		For Stave Lumber Core (SLC), Add	*200.45*	
		For Structural Composite Lumber Core (SCLC), Add	*120.27*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*32.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*144.32*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*200.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*320.71*	
		For >25 To 50, Deduct	*-23.20*	
		For >50 To 100, Deduct	*-40.07*	
		For >100, Deduct	*-60.94*	
		For 9' Door Height, Add	*56.12*	
08 14 16 00-0626	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	459.52	83.41
		For Stave Lumber Core (SLC), Add	*219.53*	
		For Structural Composite Lumber Core (SCLC), Add	*131.72*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*219.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*351.24*	
		For >25 To 50, Deduct	*-24.22*	
		For >50 To 100, Deduct	*-42.29*	
		For >100, Deduct	*-64.76*	
		For 9' Door Height, Add	*61.47*	

08 14 16 00-0627 Manufacturer Prefinished Options For Flush Wood Doors *(08 14 16)*

08 14 16 00-0628	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (2) coats any standard manufacturer color on six sides.	76.36	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*25.43*	
08 14 16 00-0629	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door Note: Includes (3) coats any standard manufacturer color on six sides.	114.54	
		For Custom Color To Match Non-Standard Manufacturer Finish, Add	*25.43*	

08 14 16 00-0630 Semicircular Head Door, 1-3/4" Thick, Particleboard Core (PC), Wood Doors *(08 14 16)*

08 14 16 00-0631	EA	2' x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,421.70	58.72
08 14 16 00-0632	EA	2'-4" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,421.70	183.24
08 14 16 00-0633	EA	2'-6" x 6'-9" x 1-3/4" Thick, Particleboard Core, Semicircular Head Birch Faced Wood Door	2,421.70	58.72

08 14 23 Clad Wood Doors *(08 14)*

08 14 23 13 Metal-Faced Wood Doors *(08 14 23)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core *(08 14 23 13)*

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	716.20	164.16
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	767.94	180.17
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	827.94	198.86
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	863.81	205.52
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door	927.65	226.21
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door	998.87	233.55

08 14 23 16 Plastic-Laminate-Faced Wood Doors *(08 14 23)*

08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	332.14	73.40
		For Structural Composite Lumber Core (SCLC), Add	*83.40*	
		For 5 Ply Construction, Add	*6.49*	
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-46.15*	
08 14 23 16-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	332.14	73.40
		For Structural Composite Lumber Core (SCLC), Add	*83.40*	
		For 5 Ply Construction, Add	*6.49*	
		For >25 To 50, Deduct	*-18.42*	
		For >50 To 100, Deduct	*-30.90*	
		For >100, Deduct	*-46.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	348.99	76.74
		For Structural Composite Lumber Core (SCLC), Add	*87.98*	
		For 5 Ply Construction, Add	*6.84*	
		For >25 To 50, Deduct	*-19.33*	
		For >50 To 100, Deduct	*-32.46*	
		For >100, Deduct	*-48.51*	
08 14 23 16-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	359.19	76.74
		For Structural Composite Lumber Core (SCLC), Add	*92.57*	
		For 5 Ply Construction, Add	*7.20*	
		For >25 To 50, Deduct	*-19.74*	
		For >50 To 100, Deduct	*-33.35*	
		For >100, Deduct	*-50.04*	
08 14 23 16-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	364.33	76.74
		For Structural Composite Lumber Core (SCLC), Add	*94.89*	
		For 5 Ply Construction, Add	*7.38*	
		For >25 To 50, Deduct	*-19.94*	
		For >50 To 100, Deduct	*-33.80*	
		For >100, Deduct	*-50.81*	
08 14 23 16-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	376.13	80.07
		For Structural Composite Lumber Core (SCLC), Add	*97.19*	
		For 5 Ply Construction, Add	*7.56*	
		For >25 To 50, Deduct	*-20.65*	
		For >50 To 100, Deduct	*-34.91*	
		For >100, Deduct	*-52.42*	
08 14 23 16-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	399.88	80.07
		For Structural Composite Lumber Core (SCLC), Add	*107.88*	
		For 5 Ply Construction, Add	*8.39*	
		For >25 To 50, Deduct	*-21.60*	
		For >50 To 100, Deduct	*-36.99*	
		For >100, Deduct	*-55.98*	
08 14 23 16-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	421.89	83.41
		For Structural Composite Lumber Core (SCLC), Add	*114.78*	
		For 5 Ply Construction, Add	*8.93*	
		For >25 To 50, Deduct	*-22.71*	
		For >50 To 100, Deduct	*-39.00*	
		For >100, Deduct	*-59.11*	
08 14 23 16-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	342.93	73.40
		For Structural Composite Lumber Core (SCLC), Add	*88.25*	
		For 5 Ply Construction, Add	*6.86*	
		For >25 To 50, Deduct	*-18.86*	
		For >50 To 100, Deduct	*-31.84*	
		For >100, Deduct	*-47.77*	
08 14 23 16-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	342.92	73.40
		For Structural Composite Lumber Core (SCLC), Add	*88.25*	
		For 5 Ply Construction, Add	*6.86*	
		For >25 To 50, Deduct	*-18.86*	
		For >50 To 100, Deduct	*-31.84*	
		For >100, Deduct	*-47.77*	
08 14 23 16-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	360.38	76.74
		For Structural Composite Lumber Core (SCLC), Add	*93.11*	
		For 5 Ply Construction, Add	*7.24*	
		For >25 To 50, Deduct	*-19.79*	
		For >50 To 100, Deduct	*-33.45*	
		For >100, Deduct	*-50.22*	
08 14 23 16-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	371.16	76.74
		For Structural Composite Lumber Core (SCLC), Add	*97.96*	
		For 5 Ply Construction, Add	*7.62*	
		For >25 To 50, Deduct	*-20.22*	
		For >50 To 100, Deduct	*-34.39*	
		For >100, Deduct	*-51.84*	
08 14 23 16-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	376.60	76.74
		For Structural Composite Lumber Core (SCLC), Add	*100.41*	
		For 5 Ply Construction, Add	*7.81*	
		For >25 To 50, Deduct	*-20.44*	
		For >50 To 100, Deduct	*-34.87*	
		For >100, Deduct	*-52.65*	
08 14 23 16-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	388.70	80.07
		For Structural Composite Lumber Core (SCLC), Add	*102.85*	
		For 5 Ply Construction, Add	*8.00*	
		For >25 To 50, Deduct	*-21.15*	
		For >50 To 100, Deduct	*-36.01*	
		For >100, Deduct	*-54.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	413.83	80.07
		For Structural Composite Lumber Core (SCLC), Add	*114.16*	
		For 5 Ply Construction, Add	*8.88*	
		For >25 To 50, Deduct	*-22.16*	
		For >50 To 100, Deduct	*-38.21*	
		For >100, Deduct	*-58.07*	
08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	436.73	83.41
		For Structural Composite Lumber Core (SCLC), Add	*121.46*	
		For 5 Ply Construction, Add	*9.45*	
		For >25 To 50, Deduct	*-23.31*	
		For >50 To 100, Deduct	*-40.30*	
		For >100, Deduct	*-61.34*	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	381.17	73.40
		For Structural Composite Lumber Core (SCLC), Add	*105.46*	
		For 5 Ply Construction, Add	*8.20*	
		For >25 To 50, Deduct	*-20.39*	
		For >50 To 100, Deduct	*-35.19*	
		For >100, Deduct	*-53.51*	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	381.17	73.40
		For Structural Composite Lumber Core (SCLC), Add	*105.46*	
		For 5 Ply Construction, Add	*8.20*	
		For >25 To 50, Deduct	*-20.39*	
		For >50 To 100, Deduct	*-35.19*	
		For >100, Deduct	*-53.51*	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	400.73	76.74
		For Structural Composite Lumber Core (SCLC), Add	*111.27*	
		For 5 Ply Construction, Add	*8.65*	
		For >25 To 50, Deduct	*-21.40*	
		For >50 To 100, Deduct	*-36.98*	
		For >100, Deduct	*-56.27*	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	413.62	76.74
		For Structural Composite Lumber Core (SCLC), Add	*117.07*	
		For 5 Ply Construction, Add	*9.11*	
		For >25 To 50, Deduct	*-21.92*	
		For >50 To 100, Deduct	*-38.11*	
		For >100, Deduct	*-58.21*	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	420.11	76.74
		For Structural Composite Lumber Core (SCLC), Add	*119.99*	
		For 5 Ply Construction, Add	*9.33*	
		For >25 To 50, Deduct	*-22.18*	
		For >50 To 100, Deduct	*-38.68*	
		For >100, Deduct	*-59.18*	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	433.27	80.07
		For Structural Composite Lumber Core (SCLC), Add	*122.90*	
		For 5 Ply Construction, Add	*9.56*	
		For >25 To 50, Deduct	*-22.94*	
		For >50 To 100, Deduct	*-39.91*	
		For >100, Deduct	*-60.99*	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	463.29	80.07
		For Structural Composite Lumber Core (SCLC), Add	*136.41*	
		For 5 Ply Construction, Add	*10.61*	
		For >25 To 50, Deduct	*-24.14*	
		For >50 To 100, Deduct	*-42.54*	
		For >100, Deduct	*-65.49*	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	489.36	83.41
		For Structural Composite Lumber Core (SCLC), Add	*145.14*	
		For 5 Ply Construction, Add	*11.29*	
		For >25 To 50, Deduct	*-25.41*	
		For >50 To 100, Deduct	*-44.90*	
		For >100, Deduct	*-69.23*	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors *(08 14 23 16)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	462.56	73.40
		For 5 Ply Construction, Add	*11.05*	
		For Stave Lumber Core (SLC), Add	*236.81*	
		For Structural Composite Lumber Core (SCLC), Add	*142.09*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*544.67*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.81*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.90*	
		For >25 To 50, Deduct	*-23.64*	
		For >50 To 100, Deduct	*-42.31*	
		For >100, Deduct	*-65.71*	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	462.54	73.40
		For 5 Ply Construction, Add	*11.05*	
		For Stave Lumber Core (SLC), Add	*236.80*	
		For Structural Composite Lumber Core (SCLC), Add	*142.08*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*544.63*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*37.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*170.49*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*236.80*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*378.88*	
		For >25 To 50, Deduct	*-23.64*	
		For >50 To 100, Deduct	*-42.31*	
		For >100, Deduct	*-65.71*	
08 14 23 16-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	479.08	76.74
		For 5 Ply Construction, Add	*11.40*	
		For Stave Lumber Core (SLC), Add	*244.21*	
		For Structural Composite Lumber Core (SCLC), Add	*146.52*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*561.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*390.73*	
		For >25 To 50, Deduct	*-24.53*	
		For >50 To 100, Deduct	*-43.84*	
		For >100, Deduct	*-68.03*	
08 14 23 16-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	479.08	76.74
		For 5 Ply Construction, Add	*11.40*	
		For Stave Lumber Core (SLC), Add	*244.21*	
		For Structural Composite Lumber Core (SCLC), Add	*146.52*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*561.68*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*39.07*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*175.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*244.21*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*390.73*	
		For >25 To 50, Deduct	*-24.53*	
		For >50 To 100, Deduct	*-43.84*	
		For >100, Deduct	*-68.03*	
08 14 23 16-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	498.64	76.74
		For 5 Ply Construction, Add	*12.08*	
		For Stave Lumber Core (SLC), Add	*258.88*	
		For Structural Composite Lumber Core (SCLC), Add	*155.33*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*595.42*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.42*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.39*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*414.20*	
		For >25 To 50, Deduct	*-25.32*	
		For >50 To 100, Deduct	*-45.55*	
		For >100, Deduct	*-70.96*	
08 14 23 16-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	524.87	80.07
		For 5 Ply Construction, Add	*12.77*	
		For Stave Lumber Core (SLC), Add	*273.54*	
		For Structural Composite Lumber Core (SCLC), Add	*164.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*629.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*196.95*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.54*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*437.66*	
		For >25 To 50, Deduct	*-26.60*	
		For >50 To 100, Deduct	*-47.93*	
		For >100, Deduct	*-74.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	544.86	80.07
		For 5 Ply Construction, Add	*13.46*	
		For Stave Lumber Core (SLC), Add	*288.53*	
		For Structural Composite Lumber Core (SCLC), Add	*173.12*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*663.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.17*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.74*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*461.65*	
		For >25 To 50, Deduct	*-27.40*	
		For >50 To 100, Deduct	*-49.68*	
		For >100, Deduct	*-77.73*	
08 14 23 16-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	561.51	83.41
		For 5 Ply Construction, Add	*13.81*	
		For Stave Lumber Core (SLC), Add	*296.02*	
		For Structural Composite Lumber Core (SCLC), Add	*177.61*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*680.84*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*213.13*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*296.02*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*473.63*	
		For >25 To 50, Deduct	*-28.30*	
		For >50 To 100, Deduct	*-51.22*	
		For >100, Deduct	*-80.06*	
08 14 23 16-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	581.24	83.41
		For 5 Ply Construction, Add	*14.50*	
		For Stave Lumber Core (SLC), Add	*310.82*	
		For Structural Composite Lumber Core (SCLC), Add	*186.49*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*714.87*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.73*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*223.79*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*310.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*497.30*	
		For >25 To 50, Deduct	*-29.09*	
		For >50 To 100, Deduct	*-52.94*	
		For >100, Deduct	*-83.02*	
08 14 23 16-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	634.06	90.08
		For 5 Ply Construction, Add	*15.89*	
		For Stave Lumber Core (SLC), Add	*340.42*	
		For Structural Composite Lumber Core (SCLC), Add	*204.25*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*782.96*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*54.47*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*245.10*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*340.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*544.67*	
		For >25 To 50, Deduct	*-31.67*	
		For >50 To 100, Deduct	*-57.73*	
		For >100, Deduct	*-90.60*	
08 14 23 16-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	480.94	73.40
		For 5 Ply Construction, Add	*11.69*	
		For Stave Lumber Core (SLC), Add	*250.60*	
		For Structural Composite Lumber Core (SCLC), Add	*150.36*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*576.37*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.10*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.60*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.96*	
		For >25 To 50, Deduct	*-24.38*	
		For >50 To 100, Deduct	*-43.92*	
		For >100, Deduct	*-68.47*	
08 14 23 16-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	480.92	73.40
		For 5 Ply Construction, Add	*11.69*	
		For Stave Lumber Core (SLC), Add	*250.58*	
		For Structural Composite Lumber Core (SCLC), Add	*150.35*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*576.34*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.09*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*250.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*400.93*	
		For >25 To 50, Deduct	*-24.38*	
		For >50 To 100, Deduct	*-43.92*	
		For >100, Deduct	*-68.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	498.04	76.74
		For 5 Ply Construction, Add	*12.06*	
		For Stave Lumber Core (SLC), Add	*258.43*	
		For Structural Composite Lumber Core (SCLC), Add	*155.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*594.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.48*	
		For >25 To 50, Deduct	*-25.29*	
		For >50 To 100, Deduct	*-45.50*	
		For >100, Deduct	*-70.87*	
08 14 23 16-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	498.04	76.74
		For 5 Ply Construction, Add	*12.06*	
		For Stave Lumber Core (SLC), Add	*258.43*	
		For Structural Composite Lumber Core (SCLC), Add	*155.06*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*594.38*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*41.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*186.07*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*258.43*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*413.48*	
		For >25 To 50, Deduct	*-25.29*	
		For >50 To 100, Deduct	*-45.50*	
		For >100, Deduct	*-70.87*	
08 14 23 16-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	518.73	76.74
		For 5 Ply Construction, Add	*12.78*	
		For Stave Lumber Core (SLC), Add	*273.95*	
		For Structural Composite Lumber Core (SCLC), Add	*164.37*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*630.07*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*43.83*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*197.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*273.95*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*438.31*	
		For >25 To 50, Deduct	*-26.12*	
		For >50 To 100, Deduct	*-47.31*	
		For >100, Deduct	*-73.97*	
08 14 23 16-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	546.11	80.07
		For 5 Ply Construction, Add	*13.51*	
		For Stave Lumber Core (SLC), Add	*289.47*	
		For Structural Composite Lumber Core (SCLC), Add	*173.68*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*665.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.32*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*208.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*289.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*463.15*	
		For >25 To 50, Deduct	*-27.45*	
		For >50 To 100, Deduct	*-49.79*	
		For >100, Deduct	*-77.91*	
08 14 23 16-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	567.24	80.07
		For 5 Ply Construction, Add	*14.25*	
		For Stave Lumber Core (SLC), Add	*305.32*	
		For Structural Composite Lumber Core (SCLC), Add	*183.19*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*702.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*48.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*219.83*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*305.32*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*488.51*	
		For >25 To 50, Deduct	*-28.29*	
		For >50 To 100, Deduct	*-51.64*	
		For >100, Deduct	*-81.08*	
08 14 23 16-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	584.48	83.41
		For 5 Ply Construction, Add	*14.62*	
		For Stave Lumber Core (SLC), Add	*313.25*	
		For Structural Composite Lumber Core (SCLC), Add	*187.95*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*720.46*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*50.12*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*225.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*313.25*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*501.19*	
		For >25 To 50, Deduct	*-29.22*	
		For >50 To 100, Deduct	*-53.23*	
		For >100, Deduct	*-83.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	605.36	83.41
		For 5 Ply Construction, Add	*15.35*	
		For Stave Lumber Core (SLC), Add	*328.91*	
		For Structural Composite Lumber Core (SCLC), Add	*197.34*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*756.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*236.81*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*328.91*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*526.25*	
		For >25 To 50, Deduct	*-30.05*	
		For >50 To 100, Deduct	*-55.05*	
		For >100, Deduct	*-86.63*	
08 14 23 16-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	660.47	90.08
		For 5 Ply Construction, Add	*16.81*	
		For Stave Lumber Core (SLC), Add	*360.23*	
		For Structural Composite Lumber Core (SCLC), Add	*216.14*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*828.52*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*57.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*259.36*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*360.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*576.36*	
		For >25 To 50, Deduct	*-32.72*	
		For >50 To 100, Deduct	*-60.04*	
		For >100, Deduct	*-94.57*	
08 14 23 16-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	546.10	73.40
		For 5 Ply Construction, Add	*13.98*	
		For Stave Lumber Core (SLC), Add	*299.47*	
		For Structural Composite Lumber Core (SCLC), Add	*179.68*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*688.78*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.62*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*299.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*479.15*	
		For >25 To 50, Deduct	*-26.98*	
		For >50 To 100, Deduct	*-49.62*	
		For >100, Deduct	*-78.24*	
08 14 23 16-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	546.08	73.40
		For 5 Ply Construction, Add	*13.97*	
		For Stave Lumber Core (SLC), Add	*299.45*	
		For Structural Composite Lumber Core (SCLC), Add	*179.67*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*688.74*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*47.91*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*215.61*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*299.45*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*479.12*	
		For >25 To 50, Deduct	*-26.98*	
		For >50 To 100, Deduct	*-49.62*	
		For >100, Deduct	*-78.24*	
08 14 23 16-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	565.23	76.74
		For 5 Ply Construction, Add	*14.41*	
		For Stave Lumber Core (SLC), Add	*308.82*	
		For Structural Composite Lumber Core (SCLC), Add	*185.29*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*710.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*222.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*308.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*494.11*	
		For >25 To 50, Deduct	*-27.98*	
		For >50 To 100, Deduct	*-51.38*	
		For >100, Deduct	*-80.95*	
08 14 23 16-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	565.23	76.74
		For 5 Ply Construction, Add	*14.41*	
		For Stave Lumber Core (SLC), Add	*308.82*	
		For Structural Composite Lumber Core (SCLC), Add	*185.29*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*710.29*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*49.41*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*222.35*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*308.82*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*494.11*	
		For >25 To 50, Deduct	*-27.98*	
		For >50 To 100, Deduct	*-51.38*	
		For >100, Deduct	*-80.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	589.95	76.74
		For 5 Ply Construction, Add	*15.28*	
		For Stave Lumber Core (SLC), Add	*327.36*	
		For Structural Composite Lumber Core (SCLC), Add	*196.42*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*752.93*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*52.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*235.70*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*327.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*523.78*	
		For >25 To 50, Deduct	*-28.97*	
		For >50 To 100, Deduct	*-53.54*	
		For >100, Deduct	*-84.66*	
08 14 23 16-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	621.37	80.07
		For 5 Ply Construction, Add	*16.14*	
		For Stave Lumber Core (SLC), Add	*345.92*	
		For Structural Composite Lumber Core (SCLC), Add	*207.55*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*795.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*55.35*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*249.06*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*345.92*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*553.46*	
		For >25 To 50, Deduct	*-30.46*	
		For >50 To 100, Deduct	*-56.37*	
		For >100, Deduct	*-89.20*	
08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	646.62	80.07
		For 5 Ply Construction, Add	*17.03*	
		For Stave Lumber Core (SLC), Add	*364.85*	
		For Structural Composite Lumber Core (SCLC), Add	*218.91*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*839.16*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*58.38*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*262.69*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*364.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*583.76*	
		For >25 To 50, Deduct	*-31.47*	
		For >50 To 100, Deduct	*-58.58*	
		For >100, Deduct	*-92.99*	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	665.92	83.41
		For 5 Ply Construction, Add	*17.47*	
		For Stave Lumber Core (SLC), Add	*374.33*	
		For Structural Composite Lumber Core (SCLC), Add	*224.60*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*860.95*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*59.89*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*269.51*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*374.33*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*598.92*	
		For >25 To 50, Deduct	*-32.48*	
		For >50 To 100, Deduct	*-60.35*	
		For >100, Deduct	*-95.72*	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	690.86	83.41
		For 5 Ply Construction, Add	*18.34*	
		For Stave Lumber Core (SLC), Add	*393.03*	
		For Structural Composite Lumber Core (SCLC), Add	*235.82*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*903.97*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*62.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*282.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*393.03*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*628.85*	
		For >25 To 50, Deduct	*-33.47*	
		For >50 To 100, Deduct	*-62.54*	
		For >100, Deduct	*-99.46*	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	754.13	90.08
		For 5 Ply Construction, Add	*20.09*	
		For Stave Lumber Core (SLC), Add	*430.47*	
		For Structural Composite Lumber Core (SCLC), Add	*258.28*	
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*990.08*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*68.88*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*309.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*430.47*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*688.75*	
		For >25 To 50, Deduct	*-36.47*	
		For >50 To 100, Deduct	*-68.24*	
		For >100, Deduct	*-108.62*	

08 14 23 19 Molded-Hardboard-Faced Wood Doors *(08 14 23)*

08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	244.42	73.40
		For >25 To 50, Deduct	*-14.92*	
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-32.99*	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	244.42	73.40
		For >25 To 50, Deduct	*-14.92*	
		For >50 To 100, Deduct	*-23.22*	
		For >100, Deduct	*-32.99*	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	258.20	76.74
		For >25 To 50, Deduct	*-15.70*	
		For >50 To 100, Deduct	*-24.51*	
		For >100, Deduct	*-34.89*	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	261.59	76.74
		For >25 To 50, Deduct	*-15.84*	
		For >50 To 100, Deduct	*-24.81*	
		For >100, Deduct	*-35.40*	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.95	76.74
		For >25 To 50, Deduct	*-15.97*	
		For >50 To 100, Deduct	*-25.10*	
		For >100, Deduct	*-35.91*	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	275.02	80.07
		For >25 To 50, Deduct	*-16.61*	
		For >50 To 100, Deduct	*-26.07*	
		For >100, Deduct	*-37.25*	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	287.64	80.07
		For >25 To 50, Deduct	*-17.11*	
		For >50 To 100, Deduct	*-27.17*	
		For >100, Deduct	*-39.14*	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.48	83.41
		For >25 To 50, Deduct	*-17.94*	
		For >50 To 100, Deduct	*-28.55*	
		For >100, Deduct	*-41.20*	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.10	73.40
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-23.72*	
		For >100, Deduct	*-33.84*	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	250.10	73.40
		For >25 To 50, Deduct	*-15.14*	
		For >50 To 100, Deduct	*-23.72*	
		For >100, Deduct	*-33.84*	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	264.30	76.74
		For >25 To 50, Deduct	*-15.94*	
		For >50 To 100, Deduct	*-25.04*	
		For >100, Deduct	*-35.81*	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	267.87	76.74
		For >25 To 50, Deduct	*-16.09*	
		For >50 To 100, Deduct	*-25.36*	
		For >100, Deduct	*-36.34*	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	271.44	76.74
		For >25 To 50, Deduct	*-16.23*	
		For >50 To 100, Deduct	*-25.67*	
		For >100, Deduct	*-36.88*	
08 14 23 19-0015	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.70	80.07
		For >25 To 50, Deduct	*-16.87*	
		For >50 To 100, Deduct	*-26.65*	
		For >100, Deduct	*-38.25*	
08 14 23 19-0016	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.05	80.07
		For >25 To 50, Deduct	*-17.41*	
		For >50 To 100, Deduct	*-27.82*	
		For >100, Deduct	*-40.25*	
08 14 23 19-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	310.36	83.41
		For >25 To 50, Deduct	*-18.25*	
		For >50 To 100, Deduct	*-29.24*	
		For >100, Deduct	*-42.38*	
08 14 23 19-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.25	73.40
		For >25 To 50, Deduct	*-15.95*	
		For >50 To 100, Deduct	*-25.48*	
		For >100, Deduct	*-36.87*	
08 14 23 19-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	270.25	73.40
		For >25 To 50, Deduct	*-15.95*	
		For >50 To 100, Deduct	*-25.48*	
		For >100, Deduct	*-36.87*	
08 14 23 19-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	285.92	76.74
		For >25 To 50, Deduct	*-16.81*	
		For >50 To 100, Deduct	*-26.94*	
		For >100, Deduct	*-39.05*	
08 14 23 19-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	290.18	76.74
		For >25 To 50, Deduct	*-16.98*	
		For >50 To 100, Deduct	*-27.31*	
		For >100, Deduct	*-39.69*	
08 14 23 19-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	294.46	76.74
		For >25 To 50, Deduct	*-17.15*	
		For >50 To 100, Deduct	*-27.68*	
		For >100, Deduct	*-40.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	305.40	80.07
		For >25 To 50, Deduct	*-17.82*	
		For >50 To 100, Deduct	*-28.72*	
		For >100, Deduct	*-41.81*	
08 14 23 19-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.35	80.07
		For >25 To 50, Deduct	*-18.46*	
		For >50 To 100, Deduct	*-30.12*	
		For >100, Deduct	*-44.20*	
08 14 23 19-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	338.34	83.41
		For >25 To 50, Deduct	*-19.37*	
		For >50 To 100, Deduct	*-31.69*	
		For >100, Deduct	*-46.58*	

08 14 23 19-0026 1-3/4" Thick, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

08 14 23 19-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.44	73.40
		For >25 To 50, Deduct	*-15.88*	
		For >50 To 100, Deduct	*-25.32*	
		For >100, Deduct	*-36.60*	
08 14 23 19-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	268.44	73.40
		For >25 To 50, Deduct	*-15.88*	
		For >50 To 100, Deduct	*-25.32*	
		For >100, Deduct	*-36.60*	
08 14 23 19-0029	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	278.46	76.74
		For >25 To 50, Deduct	*-16.51*	
		For >50 To 100, Deduct	*-26.28*	
		For >100, Deduct	*-37.93*	
08 14 23 19-0030	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	285.24	76.74
		For >25 To 50, Deduct	*-16.78*	
		For >50 To 100, Deduct	*-26.88*	
		For >100, Deduct	*-38.95*	
08 14 23 19-0031	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.63	76.74
		For >25 To 50, Deduct	*-16.92*	
		For >50 To 100, Deduct	*-27.17*	
		For >100, Deduct	*-39.46*	
08 14 23 19-0032	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	298.65	80.07
		For >25 To 50, Deduct	*-17.55*	
		For >50 To 100, Deduct	*-28.13*	
		For >100, Deduct	*-40.79*	
08 14 23 19-0033	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	306.37	80.07
		For >25 To 50, Deduct	*-17.86*	
		For >50 To 100, Deduct	*-28.81*	
		For >100, Deduct	*-41.95*	
08 14 23 19-0034	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	338.16	83.41
		For >25 To 50, Deduct	*-19.37*	
		For >50 To 100, Deduct	*-31.67*	
		For >100, Deduct	*-46.55*	
08 14 23 19-0035	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	346.72	83.41
		For >25 To 50, Deduct	*-19.71*	
		For >50 To 100, Deduct	*-32.42*	
		For >100, Deduct	*-47.84*	
08 14 23 19-0036	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	363.88	83.41
		For >25 To 50, Deduct	*-20.39*	
		For >50 To 100, Deduct	*-33.92*	
		For >100, Deduct	*-50.41*	
08 14 23 19-0037	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	275.50	73.40
		For >25 To 50, Deduct	*-16.16*	
		For >50 To 100, Deduct	*-25.94*	
		For >100, Deduct	*-37.65*	
08 14 23 19-0038	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	275.50	73.40
		For >25 To 50, Deduct	*-16.16*	
		For >50 To 100, Deduct	*-25.94*	
		For >100, Deduct	*-37.65*	
08 14 23 19-0039	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	285.74	76.74
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-26.92*	
		For >100, Deduct	*-39.02*	
08 14 23 19-0040	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	292.91	76.74
		For >25 To 50, Deduct	*-17.09*	
		For >50 To 100, Deduct	*-27.55*	
		For >100, Deduct	*-40.10*	
08 14 23 19-0041	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.48	76.74
		For >25 To 50, Deduct	*-17.23*	
		For >50 To 100, Deduct	*-27.86*	
		For >100, Deduct	*-40.64*	
08 14 23 19-0042	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	306.71	80.07
		For >25 To 50, Deduct	*-17.87*	
		For >50 To 100, Deduct	*-28.84*	
		For >100, Deduct	*-42.00*	
08 14 23 19-0043	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.88	80.07
		For >25 To 50, Deduct	*-18.20*	
		For >50 To 100, Deduct	*-29.55*	
		For >100, Deduct	*-43.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0044	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	348.14	83.41
		For >25 To 50, Deduct	*-19.76*	
		For >50 To 100, Deduct	*-32.55*	
		For >100, Deduct	*-48.05*	
08 14 23 19-0045	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	357.21	83.41
		For >25 To 50, Deduct	*-20.13*	
		For >50 To 100, Deduct	*-33.34*	
		For >100, Deduct	*-49.41*	
08 14 23 19-0046	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	375.34	83.41
		For >25 To 50, Deduct	*-20.85*	
		For >50 To 100, Deduct	*-34.93*	
		For >100, Deduct	*-52.13*	
08 14 23 19-0047	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	300.60	73.40
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-41.42*	
08 14 23 19-0048	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	300.60	73.40
		For >25 To 50, Deduct	*-17.16*	
		For >50 To 100, Deduct	*-28.14*	
		For >100, Deduct	*-41.42*	
08 14 23 19-0049	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	311.54	76.74
		For >25 To 50, Deduct	*-17.83*	
		For >50 To 100, Deduct	*-29.18*	
		For >100, Deduct	*-42.89*	
08 14 23 19-0050	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.11	76.74
		For >25 To 50, Deduct	*-18.18*	
		For >50 To 100, Deduct	*-29.93*	
		For >100, Deduct	*-44.18*	
08 14 23 19-0051	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.36	76.74
		For >25 To 50, Deduct	*-18.35*	
		For >50 To 100, Deduct	*-30.30*	
		For >100, Deduct	*-44.82*	
08 14 23 19-0052	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	335.30	80.07
		For >25 To 50, Deduct	*-19.02*	
		For >50 To 100, Deduct	*-31.34*	
		For >100, Deduct	*-46.29*	
08 14 23 19-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	345.05	80.07
		For >25 To 50, Deduct	*-19.41*	
		For >50 To 100, Deduct	*-32.19*	
		For >100, Deduct	*-47.75*	
08 14 23 19-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	383.51	83.41
		For >25 To 50, Deduct	*-21.18*	
		For >50 To 100, Deduct	*-35.64*	
		For >100, Deduct	*-53.36*	
08 14 23 19-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	394.34	83.41
		For >25 To 50, Deduct	*-21.61*	
		For >50 To 100, Deduct	*-36.59*	
		For >100, Deduct	*-54.98*	
08 14 23 19-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	416.01	83.41
		For >25 To 50, Deduct	*-22.48*	
		For >50 To 100, Deduct	*-38.49*	
		For >100, Deduct	*-58.23*	

08 14 23 19-0057 1-3/8" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0058	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.07	73.40
		For >25 To 50, Deduct	*-16.66*	
		For >50 To 100, Deduct	*-27.04*	
		For >100, Deduct	*-39.54*	
08 14 23 19-0059	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.07	73.40
		For >25 To 50, Deduct	*-16.66*	
		For >50 To 100, Deduct	*-27.04*	
		For >100, Deduct	*-39.54*	
08 14 23 19-0060	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	302.94	76.74
		For >25 To 50, Deduct	*-17.49*	
		For >50 To 100, Deduct	*-28.43*	
		For >100, Deduct	*-41.60*	
08 14 23 19-0061	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	311.12	76.74
		For >25 To 50, Deduct	*-17.82*	
		For >50 To 100, Deduct	*-29.14*	
		For >100, Deduct	*-42.83*	
08 14 23 19-0062	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	312.62	76.74
		For >25 To 50, Deduct	*-17.88*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-43.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0063	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.83	80.07
		For >25 To 50, Deduct	*-18.44*	
		For >50 To 100, Deduct	*-30.07*	
		For >100, Deduct	*-44.12*	
08 14 23 19-0064	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	338.56	80.07
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-31.63*	
		For >100, Deduct	*-46.78*	
08 14 23 19-0065	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	377.54	83.41
		For >25 To 50, Deduct	*-20.94*	
		For >50 To 100, Deduct	*-35.12*	
		For >100, Deduct	*-52.46*	
08 14 23 19-0066	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.31	73.40
		For >25 To 50, Deduct	*-16.99*	
		For >50 To 100, Deduct	*-27.76*	
		For >100, Deduct	*-40.78*	
08 14 23 19-0067	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	296.31	73.40
		For >25 To 50, Deduct	*-16.99*	
		For >50 To 100, Deduct	*-27.76*	
		For >100, Deduct	*-40.78*	
08 14 23 19-0068	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	311.64	76.74
		For >25 To 50, Deduct	*-17.84*	
		For >50 To 100, Deduct	*-29.19*	
		For >100, Deduct	*-42.91*	
08 14 23 19-0069	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	320.29	76.74
		For >25 To 50, Deduct	*-18.18*	
		For >50 To 100, Deduct	*-29.94*	
		For >100, Deduct	*-44.21*	
08 14 23 19-0070	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	321.90	76.74
		For >25 To 50, Deduct	*-18.25*	
		For >50 To 100, Deduct	*-30.08*	
		For >100, Deduct	*-44.45*	
08 14 23 19-0071	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	330.18	80.07
		For >25 To 50, Deduct	*-18.81*	
		For >50 To 100, Deduct	*-30.89*	
		For >100, Deduct	*-45.52*	
08 14 23 19-0072	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	348.95	80.07
		For >25 To 50, Deduct	*-19.56*	
		For >50 To 100, Deduct	*-32.54*	
		For >100, Deduct	*-48.34*	
08 14 23 19-0073	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	389.82	83.41
		For >25 To 50, Deduct	*-21.43*	
		For >50 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-54.30*	
08 14 23 19-0074	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	325.46	73.40
		For >25 To 50, Deduct	*-18.16*	
		For >50 To 100, Deduct	*-30.31*	
		For >100, Deduct	*-45.15*	
08 14 23 19-0075	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	325.46	73.40
		For >25 To 50, Deduct	*-18.16*	
		For >50 To 100, Deduct	*-30.31*	
		For >100, Deduct	*-45.15*	
08 14 23 19-0076	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	342.49	76.74
		For >25 To 50, Deduct	*-19.07*	
		For >50 To 100, Deduct	*-31.89*	
		For >100, Deduct	*-47.54*	
08 14 23 19-0077	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	352.82	76.74
		For >25 To 50, Deduct	*-19.48*	
		For >50 To 100, Deduct	*-32.79*	
		For >100, Deduct	*-49.09*	
08 14 23 19-0078	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	354.73	76.74
		For >25 To 50, Deduct	*-19.56*	
		For >50 To 100, Deduct	*-32.96*	
		For >100, Deduct	*-49.37*	
08 14 23 19-0079	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	363.35	80.07
		For >25 To 50, Deduct	*-20.14*	
		For >50 To 100, Deduct	*-33.80*	
		For >100, Deduct	*-50.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0080	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	385.76	80.07
		For >25 To 50, Deduct	*-21.04*	
		For >50 To 100, Deduct	*-35.76*	
		For >100, Deduct	*-53.86*	
08 14 23 19-0081	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	433.31	83.41
		For >25 To 50, Deduct	*-23.17*	
		For >50 To 100, Deduct	*-40.00*	
		For >100, Deduct	*-60.83*	

08 14 23 19-0082 1-3/4" Thick, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Doors *(08 14 23 19)*

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 19-0083	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.32	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*306.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*213.01*	
		For >25 To 50, Deduct	*-18.11*	
		For >50 To 100, Deduct	*-30.21*	
		For >100, Deduct	*-44.98*	
08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.32	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*306.20*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*21.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*95.86*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*133.13*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*213.01*	
		For >25 To 50, Deduct	*-18.11*	
		For >50 To 100, Deduct	*-30.21*	
		For >100, Deduct	*-44.98*	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	341.26	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*323.94*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.53*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.41*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.84*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.35*	
		For >25 To 50, Deduct	*-19.02*	
		For >50 To 100, Deduct	*-31.78*	
		For >100, Deduct	*-47.35*	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	351.51	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*341.62*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.76*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*106.94*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*148.53*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*237.65*	
		For >25 To 50, Deduct	*-19.43*	
		For >50 To 100, Deduct	*-32.68*	
		For >100, Deduct	*-48.89*	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	353.42	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*344.91*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.99*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.97*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.96*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*239.94*	
		For >25 To 50, Deduct	*-19.51*	
		For >50 To 100, Deduct	*-32.84*	
		For >100, Deduct	*-49.18*	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	362.04	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*348.26*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*24.23*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*109.02*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*151.42*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*242.27*	
		For >25 To 50, Deduct	*-20.09*	
		For >50 To 100, Deduct	*-33.68*	
		For >100, Deduct	*-50.30*	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	384.29	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*386.64*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.90*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.04*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*268.97*	
		For >25 To 50, Deduct	*-20.98*	
		For >50 To 100, Deduct	*-35.63*	
		For >100, Deduct	*-53.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	431.59	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*456.73*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*31.77*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*142.98*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*198.58*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*317.72*	
		For >25 To 50, Deduct	*-23.10*	
		For >50 To 100, Deduct	*-39.85*	
		For >100, Deduct	*-60.57*	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	444.85	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*479.60*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.36*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*150.14*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*208.52*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*333.64*	
		For >25 To 50, Deduct	*-23.63*	
		For >50 To 100, Deduct	*-41.01*	
		For >100, Deduct	*-62.56*	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	471.30	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*525.23*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*36.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*164.42*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*228.36*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*365.38*	
		For >25 To 50, Deduct	*-24.69*	
		For >50 To 100, Deduct	*-43.32*	
		For >100, Deduct	*-66.52*	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	334.65	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*324.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.41*	
		For >25 To 50, Deduct	*-18.52*	
		For >50 To 100, Deduct	*-31.12*	
		For >100, Deduct	*-46.53*	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	334.65	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*324.02*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*22.54*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*101.43*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*140.88*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*225.41*	
		For >25 To 50, Deduct	*-18.52*	
		For >50 To 100, Deduct	*-31.12*	
		For >100, Deduct	*-46.53*	
08 14 23 19-0095	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	352.19	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*342.79*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*23.85*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*107.31*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*149.04*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*238.46*	
		For >25 To 50, Deduct	*-19.46*	
		For >50 To 100, Deduct	*-32.74*	
		For >100, Deduct	*-48.99*	
08 14 23 19-0096	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	363.05	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*361.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.15*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*113.17*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*157.19*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*251.50*	
		For >25 To 50, Deduct	*-19.89*	
		For >50 To 100, Deduct	*-33.69*	
		For >100, Deduct	*-50.62*	
08 14 23 19-0097	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	365.07	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*365.01*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.39*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*114.26*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*158.70*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*253.92*	
		For >25 To 50, Deduct	*-19.97*	
		For >50 To 100, Deduct	*-33.86*	
		For >100, Deduct	*-50.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0098	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	373.79	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*368.53*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*25.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*115.37*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*160.23*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*256.37*	
		For >25 To 50, Deduct	*-20.56*	
		For >50 To 100, Deduct	*-34.71*	
		For >100, Deduct	*-52.06*	
08 14 23 19-0099	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	397.33	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*409.14*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.46*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.08*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*177.89*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.62*	
		For >25 To 50, Deduct	*-21.50*	
		For >50 To 100, Deduct	*-36.77*	
		For >100, Deduct	*-55.60*	
08 14 23 19-0100	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	447.00	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*483.31*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*33.62*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*151.30*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*210.14*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*336.22*	
		For >25 To 50, Deduct	*-23.72*	
		For >50 To 100, Deduct	*-41.20*	
		For >100, Deduct	*-62.88*	
08 14 23 19-0101	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	461.02	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*507.50*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*35.30*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*158.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*220.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*353.04*	
		For >25 To 50, Deduct	*-24.28*	
		For >50 To 100, Deduct	*-42.42*	
		For >100, Deduct	*-64.98*	
08 14 23 19-0102	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	489.03	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*555.81*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*38.67*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*173.99*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*241.66*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*386.65*	
		For >25 To 50, Deduct	*-25.40*	
		For >50 To 100, Deduct	*-44.88*	
		For >100, Deduct	*-69.18*	
08 14 23 19-0103	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	371.28	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*387.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.36*	
		For >25 To 50, Deduct	*-19.99*	
		For >50 To 100, Deduct	*-34.32*	
		For >100, Deduct	*-52.02*	
08 14 23 19-0104	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	371.28	73.40
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*387.21*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*26.94*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*121.21*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*168.35*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*269.36*	
		For >25 To 50, Deduct	*-19.99*	
		For >50 To 100, Deduct	*-34.32*	
		For >100, Deduct	*-52.02*	
08 14 23 19-0105	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	390.95	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*409.65*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*28.50*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*128.24*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*178.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*284.98*	
		For >25 To 50, Deduct	*-21.01*	
		For >50 To 100, Deduct	*-36.13*	
		For >100, Deduct	*-54.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	403.93	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*432.04*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.06*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*135.25*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*187.85*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*300.55*	
		For >25 To 50, Deduct	*-21.53*	
		For >50 To 100, Deduct	*-37.26*	
		For >100, Deduct	*-56.75*	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	406.33	76.74
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*436.18*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.34*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*136.54*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*189.65*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*303.43*	
		For >25 To 50, Deduct	*-21.62*	
		For >50 To 100, Deduct	*-37.47*	
		For >100, Deduct	*-57.11*	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	415.46	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*440.41*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*30.64*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*137.87*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*191.48*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*306.37*	
		For >25 To 50, Deduct	*-22.22*	
		For >50 To 100, Deduct	*-38.35*	
		For >100, Deduct	*-58.32*	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	443.58	80.07
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*488.92*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*34.01*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*153.05*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*212.57*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*340.12*	
		For >25 To 50, Deduct	*-23.35*	
		For >50 To 100, Deduct	*-40.82*	
		For >100, Deduct	*-62.53*	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	501.63	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*577.55*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*40.18*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*180.80*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*251.11*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*401.77*	
		For >25 To 50, Deduct	*-25.90*	
		For >50 To 100, Deduct	*-45.98*	
		For >100, Deduct	*-71.07*	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	518.40	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*606.48*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*42.19*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*189.85*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*263.69*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*421.90*	
		For >25 To 50, Deduct	*-26.57*	
		For >50 To 100, Deduct	*-47.45*	
		For >100, Deduct	*-73.59*	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High-Density Fiberboard/Hardboard (HDF) Faced Wood Door	551.86	83.41
		For WDMA Exterior Premium Grade, Extra Heavy Duty, Soild Core, Add	*664.19*	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	*46.20*	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	*207.92*	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	*288.78*	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	*462.05*	
		For >25 To 50, Deduct	*-27.91*	
		For >50 To 100, Deduct	*-50.37*	
		For >100, Deduct	*-78.61*	

08 14 66 Wood Screen Doors *(08 14)*

08 14 66 00-0001 Wood Screen Storm Door, Residential Grade *(08 14 66)*

Note: Includes frame, trim, necessary anchors and usual hardware (closures, chain and spring, latching, screens, etc.).

08 14 66 00-0002	EA	2'-8" x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	536.36	192.18
08 14 66 00-0003	EA	3' x 6'-8" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	566.01	213.53
08 14 66 00-0004	EA	2'-8" x 7" x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	536.36	192.18
08 14 66 00-0005	EA	3' x 7' x 1-3/8" Thick, Wood Screen Door, Residential, With Frame, Trim, Hardware	566.01	213.53

08 14 73 Sliding Wood Doors *(08 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0001		**Sliding Pocket Door** *(08 14 73)* Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002		**Birch Faced Pocket Door** *(08 14 73 00-0001)* Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003		**1-3/8" Thick, Birch Faced Wood Pocket Door** *(08 14 73 00-0002)* See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0004		**6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door** *(08 14 73 00-0003)*		
08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	526.95	46.71
		For Oak, Add	*119.66*	
		For Ash/Hickory, Add	*174.28*	
		For Walnut, Add	*254.05*	
		For Cherry, Add	*413.16*	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	544.13	50.05
		For Oak, Add	*122.56*	
		For Ash/Hickory, Add	*178.51*	
		For Walnut, Add	*260.21*	
		For Cherry, Add	*423.18*	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	563.91	53.39
		For Oak, Add	*126.18*	
		For Ash/Hickory, Add	*183.79*	
		For Walnut, Add	*267.91*	
		For Cherry, Add	*435.69*	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	578.47	56.72
		For Oak, Add	*128.36*	
		For Ash/Hickory, Add	*186.96*	
		For Walnut, Add	*272.53*	
		For Cherry, Add	*443.21*	
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	598.30	60.06
		For Oak, Add	*131.98*	
		For Ash/Hickory, Add	*192.24*	
		For Walnut, Add	*280.23*	
		For Cherry, Add	*455.72*	
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	615.48	63.40
		For Oak, Add	*134.89*	
		For Ash/Hickory, Add	*196.47*	
		For Walnut, Add	*286.39*	
		For Cherry, Add	*465.75*	
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,033.90	83.41
		For Oak, Add	*239.31*	
		For Ash/Hickory, Add	*348.57*	
		For Walnut, Add	*508.11*	
		For Cherry, Add	*826.33*	
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,094.53	90.08
		For Oak, Add	*252.37*	
		For Ash/Hickory, Add	*367.58*	
		For Walnut, Add	*535.82*	
		For Cherry, Add	*871.39*	
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,170.95	96.76
		For Oak, Add	*269.77*	
		For Ash/Hickory, Add	*392.93*	
		For Walnut, Add	*572.77*	
		For Cherry, Add	*931.49*	
08 14 73 00-0014		**7' High, 1-3/8" Thick Birch Faced Wood Pocket Door** *(08 14 73 00-0003)*		
08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	618.91	46.71
		For Oak, Add	*122.97*	
		For Ash/Hickory, Add	*122.97*	
		For Walnut, Add	*202.32*	
		For Cherry, Add	*379.94*	
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	649.23	50.05
		For Oak, Add	*128.50*	
		For Ash/Hickory, Add	*128.50*	
		For Walnut, Add	*211.42*	
		For Cherry, Add	*397.04*	
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	671.64	53.39
		For Oak, Add	*132.19*	
		For Ash/Hickory, Add	*132.19*	
		For Walnut, Add	*217.49*	
		For Cherry, Add	*408.43*	
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	691.45	56.72
		For Oak, Add	*135.26*	
		For Ash/Hickory, Add	*135.26*	
		For Walnut, Add	*222.55*	
		For Cherry, Add	*417.93*	
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	708.66	60.06
		For Oak, Add	*137.72*	
		For Ash/Hickory, Add	*137.72*	
		For Walnut, Add	*226.60*	
		For Cherry, Add	*425.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	731.08	63.40
		For Oak, Add	*141.41*	
		For Ash/Hickory, Add	*141.41*	
		For Walnut, Add	*232.66*	
		For Cherry, Add	*436.92*	
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,217.82	83.41
		For Oak, Add	*245.93*	
		For Ash/Hickory, Add	*245.93*	
		For Walnut, Add	*404.64*	
		For Cherry, Add	*759.87*	
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,309.98	90.08
		For Oak, Add	*264.38*	
		For Ash/Hickory, Add	*264.38*	
		For Walnut, Add	*434.98*	
		For Cherry, Add	*816.86*	
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,402.17	96.76
		For Oak, Add	*282.82*	
		For Ash/Hickory, Add	*282.82*	
		For Walnut, Add	*465.33*	
		For Cherry, Add	*873.85*	

08 14 73 00-0024 1-3/4" Thick, Birch Faced Wood Pocket Door *(08 14 73 00-0002)*

See CSI section 08 14 73 00-0055 for all jambs and track hardware.

08 14 73 00-0025 6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	776.56	46.71
		For Oak, Add	*159.86*	
		For Ash/Hickory, Add	*159.86*	
		For Walnut, Add	*263.01*	
		For Cherry, Add	*493.92*	
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	814.76	50.05
		For Oak, Add	*167.24*	
		For Ash/Hickory, Add	*167.24*	
		For Walnut, Add	*275.15*	
		For Cherry, Add	*516.71*	
08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	837.17	53.39
		For Oak, Add	*170.92*	
		For Ash/Hickory, Add	*170.92*	
		For Walnut, Add	*281.22*	
		For Cherry, Add	*528.11*	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	862.24	56.72
		For Oak, Add	*175.23*	
		For Ash/Hickory, Add	*175.23*	
		For Walnut, Add	*288.30*	
		For Cherry, Add	*541.41*	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	884.70	60.06
		For Oak, Add	*178.92*	
		For Ash/Hickory, Add	*178.92*	
		For Walnut, Add	*294.37*	
		For Cherry, Add	*552.81*	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	907.13	63.40
		For Oak, Add	*182.61*	
		For Ash/Hickory, Add	*182.61*	
		For Walnut, Add	*300.44*	
		For Cherry, Add	*564.21*	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,533.12	83.41
		For Oak, Add	*319.71*	
		For Ash/Hickory, Add	*319.71*	
		For Walnut, Add	*526.03*	
		For Cherry, Add	*987.83*	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,641.05	90.08
		For Oak, Add	*341.85*	
		For Ash/Hickory, Add	*341.85*	
		For Walnut, Add	*562.44*	
		For Cherry, Add	*1,056.22*	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,754.26	96.76
		For Oak, Add	*365.21*	
		For Ash/Hickory, Add	*365.21*	
		For Walnut, Add	*600.88*	
		For Cherry, Add	*1,128.42*	

08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	829.11	46.71
		For Oak, Add	*172.15*	
		For Ash/Hickory, Add	*172.15*	
		For Walnut, Add	*283.24*	
		For Cherry, Add	*531.91*	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	872.56	50.05
		For Oak, Add	*180.76*	
		For Ash/Hickory, Add	*180.76*	
		For Walnut, Add	*297.40*	
		For Cherry, Add	*558.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	897.61	53.39
		For Oak, Add	*185.07*	
		For Ash/Hickory, Add	*185.07*	
		For Walnut, Add	*304.49*	
		For Cherry, Add	*571.81*	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	922.67	56.72
		For Oak, Add	*189.37*	
		For Ash/Hickory, Add	*189.37*	
		For Walnut, Add	*311.57*	
		For Cherry, Add	*585.10*	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	945.14	60.06
		For Oak, Add	*193.06*	
		For Ash/Hickory, Add	*193.06*	
		For Walnut, Add	*317.64*	
		For Cherry, Add	*596.50*	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	970.19	63.40
		For Oak, Add	*197.36*	
		For Ash/Hickory, Add	*197.36*	
		For Walnut, Add	*324.72*	
		For Cherry, Add	*609.80*	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,638.22	83.41
		For Oak, Add	*344.31*	
		For Ash/Hickory, Add	*344.31*	
		For Walnut, Add	*566.49*	
		For Cherry, Add	*1,063.82*	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,761.92	90.08
		For Oak, Add	*370.13*	
		For Ash/Hickory, Add	*370.13*	
		For Walnut, Add	*608.98*	
		For Cherry, Add	*1,143.61*	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,880.38	96.76
		For Oak, Add	*394.73*	
		For Ash/Hickory, Add	*394.73*	
		For Walnut, Add	*649.44*	
		For Cherry, Add	*1,219.60*	

08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door *(08 14 73 00-0024)*

08 14 73 00-0046	EA	2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced	881.66	46.71
		For Oak, Add	*184.45*	
		For Ash/Hickory, Add	*184.45*	
		For Walnut, Add	*303.48*	
		For Cherry, Add	*569.90*	
08 14 73 00-0047	EA	2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	925.12	50.05
		For Oak, Add	*193.06*	
		For Ash/Hickory, Add	*193.06*	
		For Walnut, Add	*317.64*	
		For Cherry, Add	*596.50*	
08 14 73 00-0048	EA	2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	952.79	53.39
		For Oak, Add	*197.98*	
		For Ash/Hickory, Add	*197.98*	
		For Walnut, Add	*325.73*	
		For Cherry, Add	*611.70*	
08 14 73 00-0049	EA	2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	980.48	56.72
		For Oak, Add	*202.90*	
		For Ash/Hickory, Add	*202.90*	
		For Walnut, Add	*333.83*	
		For Cherry, Add	*626.90*	
08 14 73 00-0050	EA	2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,002.94	60.06
		For Oak, Add	*206.58*	
		For Ash/Hickory, Add	*206.58*	
		For Walnut, Add	*339.89*	
		For Cherry, Add	*638.29*	
08 14 73 00-0051	EA	3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,030.62	63.40
		For Oak, Add	*211.50*	
		For Ash/Hickory, Add	*211.50*	
		For Walnut, Add	*347.99*	
		For Cherry, Add	*653.49*	
08 14 73 00-0052	EA	4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,743.32	83.41
		For Oak, Add	*368.90*	
		For Ash/Hickory, Add	*368.90*	
		For Walnut, Add	*606.95*	
		For Cherry, Add	*1,139.81*	
08 14 73 00-0053	EA	5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,872.27	90.08
		For Oak, Add	*395.95*	
		For Ash/Hickory, Add	*395.95*	
		For Walnut, Add	*651.46*	
		For Cherry, Add	*1,223.40*	
08 14 73 00-0054	EA	6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	2,001.24	96.76
		For Oak, Add	*423.01*	
		For Ash/Hickory, Add	*423.01*	
		For Walnut, Add	*695.97*	
		For Cherry, Add	*1,306.98*	

08 14 73 00-0055 Accessories *(08 14 73 00-0001)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 73 00-0056		**Jamb Replacement** *(08 14 73 00-0055)*		
08 14 73 00-0057	EA	4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors	151.66	
		For Oak, Add	*9.60*	
		For Ash/Hickory, Add	*15.03*	
		For Walnut, Add	*32.87*	
		For Cherry, Add	*52.07*	
08 14 73 00-0058	EA	5-1/4" Birch Jamb Replacement For Pocket Doors	154.40	
		For Oak, Add	*9.91*	
		For Ash/Hickory, Add	*15.52*	
		For Walnut, Add	*33.93*	
		For Cherry, Add	*53.75*	
08 14 73 00-0059	EA	6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors	172.21	
		For Oak, Add	*11.92*	
		For Ash/Hickory, Add	*18.67*	
		For Walnut, Add	*40.82*	
		For Cherry, Add	*64.67*	
08 14 73 00-0060		**Track And Hardware Replacement Kits** *(08 14 73 00-0055)*		
		Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.		
08 14 73 00-0061	EA	Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	316.46	
08 14 73 00-0062	EA	2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	319.16	
08 14 73 00-0063	EA	3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	324.57	
08 14 73 00-0064	EA	Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	375.96	
08 14 73 00-0065	EA	2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	378.66	
08 14 73 00-0066	EA	3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	384.07	
08 14 73 00-0067	EA	Up To 2'-6" x 8' Door Track And Hardware	403.00	
08 14 73 00-0068	EA	2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	405.71	
08 14 73 00-0069	EA	3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	411.12	
08 14 73 00-0070	EA	Double Door Converging Kit For Pocket Door	47.06	
08 14 73 00-0071		**Bi-Pass Doors** *(08 14 73)*		
		Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 Lb. maximum door weight (each opening).		
08 14 73 00-0072		**Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors** *(08 14 73 00-0071)*		
08 14 73 00-0073	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	487.46	106.73
08 14 73 00-0074	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	535.05	113.40
08 14 73 00-0075	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	583.21	120.07
08 14 73 00-0076	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	796.08	126.74
08 14 73 00-0077		**Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors** *(08 14 73 00-0071)*		
08 14 73 00-0078	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	455.72	106.73
08 14 73 00-0079	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	485.56	113.40
08 14 73 00-0080	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	528.74	120.07
08 14 73 00-0081	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors	732.60	126.74
08 14 73 00-0082		**Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors** *(08 14 73 00-0071)*		
08 14 73 00-0083	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	488.35	106.73
08 14 73 00-0084	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	532.85	113.40
08 14 73 00-0085	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	579.55	120.07
08 14 73 00-0086	EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Pass Doors	797.86	126.74
08 14 76		**Bifolding Wood Doors** *(08 14)*		
08 14 76 00-0001		**Bi-Fold Wood Doors** *(08 14 76)*		
		Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.		
08 14 76 00-0002		**Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0003	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	237.79	80.04
08 14 76 00-0004	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	251.13	86.72
08 14 76 00-0005	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	269.64	93.39
08 14 76 00-0006	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	282.98	100.06
08 14 76 00-0007	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	362.56	106.73
08 14 76 00-0008	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	375.90	113.40
08 14 76 00-0009	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors	400.23	120.07
08 14 76 00-0010		**Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors** *(08 14 76 00-0001)*		
08 14 76 00-0011	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	250.46	80.04
08 14 76 00-0012	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	267.96	86.72
08 14 76 00-0013	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	289.27	93.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 76 00-0014	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	302.61	100.06
08 14 76 00-0015	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	389.70	106.73
08 14 76 00-0016	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	418.21	113.40
08 14 76 00-0017	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors	448.31	120.07
08 14 76 00-0018		Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0019	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	251.05	80.04
08 14 76 00-0020	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	276.08	86.72
08 14 76 00-0021	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	296.76	93.39
08 14 76 00-0022	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	310.10	100.06
08 14 76 00-0023	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	396.25	106.73
08 14 76 00-0024	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	412.22	113.40
08 14 76 00-0025	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	448.31	120.07
08 14 76 00-0026		Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0027	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	627.83	80.04
08 14 76 00-0028	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	716.74	86.72
08 14 76 00-0029	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	817.90	93.39
08 14 76 00-0030	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	831.24	100.06
08 14 76 00-0031	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,148.92	106.73
08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,313.41	113.40
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors	1,502.40	120.07
08 14 76 00-0034		Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	801.44	80.04
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	869.93	86.72
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	950.66	93.39
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	964.00	100.06
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,496.15	106.73
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,619.78	113.40
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors	1,767.93	120.07
08 14 76 00-0042		Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors *(08 14 76 00-0001)*		
08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	242.25	80.04
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	260.80	86.72
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	285.16	93.39
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	289.21	100.06
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	355.21	106.73
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	383.13	113.40
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High-Density Fiberboard (HDF) Faced Wood Bi-Fold Doors	427.98	120.07

08 15 Plastic Doors *(08 10)*

Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 Composite Doors *(08 10)*

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 Fiberglass Doors *(08 16)*

See CSI section 08 70 00 00-0000 for finish hardware.

08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors *(08 16 13)*

08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0001)*

08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0002)*

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,568.59	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,809.37	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,175.87	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0004)*

08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,568.59	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,904.60	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,277.05	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0015 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0016	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,235.20	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0017	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,323.22	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0018	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,929.77	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0019 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0014)*

08 16 13 00-0020	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,235.20	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0021	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,632.71	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0022	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,044.84	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0023 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*

08 16 13 00-0024 6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*

08 16 13 00-0025	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,235.20	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0026	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,323.22	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0027	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,929.77	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0028		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0023)*		
08 16 13 00-0029	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,235.20	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0030	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,632.71	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0031	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,044.84	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0032		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0013)*		
08 16 13 00-0033		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0034	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,235.20	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0035	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,323.22	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0036	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,929.77	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0037		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0032)*		
08 16 13 00-0038	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,235.20	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0039	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	4,632.71	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0040	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	5,044.84	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0041		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0003)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0043	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,772.94	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0044		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf) *(08 16 13 00-0041)*		
08 16 13 00-0045	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf)	3,772.94	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0046		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf) *(08 16 13 00-0002)*		
08 16 13 00-0047	SI	1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf)	0.51	
08 16 13 00-0048	SI	1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf)	0.52	
08 16 13 00-0049	SI	1/4" Wire, Factory Installed Vision Glass (Chem-Pruf)	0.68	
08 16 13 00-0050	SI	1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf)	0.66	
08 16 13 00-0051	SI	Factory Installed Molded Louver (Chem-Pruf)	1.31	
08 16 13 00-0052	SI	Factory Installed Molded Louver With Insect Screen (Chem-Pruf)	1.46	
08 16 13 00-0053	LF	Weather Strip (Chem-Pruf)	13.89	
08 16 13 00-0054	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf)	17.86	
08 16 13 00-0055	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf)	37.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0056	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf)	41.66	
08 16 13 00-0057	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf)	81.34	

08 16 13 00-0058 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0001)*

08 16 13 00-0059 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0058)*

Note: White, tan, brown or gray finish. Includes factory hardware prep.

08 16 13 00-0060 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0061 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0062	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,728.54	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0063	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,766.42	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0064	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,899.80	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0065 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0060)*

08 16 13 00-0066	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,728.54	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0067	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,886.45	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	2,899.80	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0069 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

08 16 13 00-0070 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*

08 16 13 00-0071 6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,528.99	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,622.08	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0074	EA	4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,841.88	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

08 16 13 00-0075 7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0070)*

08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,528.99	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,655.69	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0078	EA	4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,945.11	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0079		60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0080		6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,528.99	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,622.08	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,841.88	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0084		7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0079)*		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,528.99	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,655.69	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,945.11	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0088		90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0069)*		
08 16 13 00-0089		6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0090	EA	3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,528.99	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0091	EA	3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,622.08	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0092	EA	4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,841.88	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0093		7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0088)*		
08 16 13 00-0094	EA	3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,528.99	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0095	EA	3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,655.69	83.41
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0096	EA	4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	4,945.11	90.08
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0097		Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0059)*		
		Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0098		6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		
08 16 13 00-0099	EA	3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,088.63	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0100		7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door) *(08 16 13 00-0097)*		
08 16 13 00-0101	EA	3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door)	3,088.63	80.07
		For Custom Color Finish, Add	*185.50*	
		For Stainless Steel Continuous Hinge, Add	*412.90*	
08 16 13 00-0102		Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door) *(08 16 13 00-0058)*		
08 16 13 00-0103	SI	1/4" Tempered, Factory Installed Vision Glass (Skule Door)	1.13	
08 16 13 00-0104	SI	1/4" Laminated, Factory Installed Vision Glass (Skule Door)	1.17	
08 16 13 00-0105	SI	1/4" Wire, Factory Installed Vision Glass (Skule Door)	1.23	
08 16 13 00-0106	SI	1/2" Insulated, Factory Installed Vision Glass (Skule Door)	1.77	
08 16 13 00-0107	SI	Factory Installed Molded Louver (Skule Door)	0.70	
08 16 13 00-0108	SI	Factory Installed Molded Louver With Insect Screen (Skule Door)	1.12	
08 16 13 00-0109	LF	Weather Strip (Skule Door)	9.60	
08 16 13 00-0110	LF	Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door)	12.00	
08 16 13 00-0111	LF	1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door)	38.41	
08 16 13 00-0112	LF	Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door)	136.83	
08 16 13 00-0113	LF	2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door)	52.81	
08 16 13 00-0114		Galvanized Insulated Poly Core Composite Doors *(08 16 13)*		
08 16 13 00-0115	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N)	1,406.79	80.07

08 17 Integrated Door Opening Assemblies *(08 10)*

08 17 23 Integrated Metal Door Opening Assemblies *(08 17)*

08 17 23 00-0001		Pre-Hung Interior Door Units *(08 17 23)* Note: Includes door, frame, and trim, all mounting hardware (standard duty ball bearing hinges). Excludes lockset.		
08 17 23 00-0002		Hollow Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*		
08 17 23 00-0003		Birch Faced *(08 17 23 00-0002)*		
08 17 23 00-0004	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	412.23	83.41
		For 8' Door Height, Add	*58.90*	
08 17 23 00-0005	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	427.30	83.41
		For 8' Door Height, Add	*62.52*	
08 17 23 00-0006	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	449.07	86.75
		For 8' Door Height, Add	*66.14*	
08 17 23 00-0007	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	460.23	90.08
		For 8' Door Height, Add	*67.21*	
08 17 23 00-0008	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	487.58	90.08
		For 8' Door Height, Add	*73.78*	
08 17 23 00-0009	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	513.95	93.42
		For 8' Door Height, Add	*78.50*	
08 17 23 00-0010	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	764.40	136.80
		For 8' Door Height, Add	*117.79*	
08 17 23 00-0011	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	814.60	146.81
		For 8' Door Height, Add	*125.04*	
08 17 23 00-0012	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Birch Faced Door	873.77	156.81
		For 8' Door Height, Add	*134.43*	
08 17 23 00-0013		Lauan Faced *(08 17 23 00-0002)*		
08 17 23 00-0014	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	371.92	83.41
		For 8' Door Height, Add	*49.22*	
08 17 23 00-0015	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	385.83	83.41
		For 8' Door Height, Add	*52.56*	
08 17 23 00-0016	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	404.22	86.75
		For 8' Door Height, Add	*55.38*	
08 17 23 00-0017	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	419.19	90.08
		For 8' Door Height, Add	*57.36*	
08 17 23 00-0018	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	442.04	90.08
		For 8' Door Height, Add	*62.85*	
08 17 23 00-0019	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	476.61	93.42
		For 8' Door Height, Add	*69.54*	
08 17 23 00-0020	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	683.79	136.80
		For 8' Door Height, Add	*98.45*	
08 17 23 00-0021	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	731.57	146.81
		For 8' Door Height, Add	*105.11*	
08 17 23 00-0022	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Lauan Faced Door	791.73	156.81
		For 8' Door Height, Add	*114.74*	
08 17 23 00-0023		Tempered Hardboard Faced *(08 17 23 00-0002)*		
08 17 23 00-0024	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	334.03	83.41
		For 8' Door Height, Add	*40.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0025	EA	2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	346.23	83.41
		For 8' Door Height, Add	*43.06*	
08 17 23 00-0026	EA	2'-8" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	358.68	86.75
		For 8' Door Height, Add	*44.45*	
08 17 23 00-0027	EA	3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	376.93	90.08
		For 8' Door Height, Add	*47.22*	
08 17 23 00-0028	EA	3'-4" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	398.56	90.08
		For 8' Door Height, Add	*52.42*	
08 17 23 00-0029	EA	3'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	410.29	93.42
		For 8' Door Height, Add	*53.63*	
08 17 23 00-0030	EA	Pair 2' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	595.15	136.80
		For 8' Door Height, Add	*77.17*	
08 17 23 00-0031	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	652.40	146.81
		For 8' Door Height, Add	*86.11*	
08 17 23 00-0032	EA	Pair 3' x 7' x 1-3/8" Prehung Hollow Core, Hardboard Faced Door	707.15	156.81
		For 8' Door Height, Add	*94.45*	

08 17 23 00-0033 Solid Core Doors, 1-3/8" Thick *(08 17 23 00-0001)*

08 17 23 00-0034 Birch Faced *(08 17 23 00-0033)*

08 17 23 00-0035	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	541.88	83.41
		For 8' Door Height, Add	*90.01*	
08 17 23 00-0036	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	561.60	83.41
		For 8' Door Height, Add	*94.75*	
08 17 23 00-0037	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	587.95	86.75
		For 8' Door Height, Add	*99.47*	
08 17 23 00-0038	EA	3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	618.64	90.08
		For 8' Door Height, Add	*105.24*	
08 17 23 00-0039	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	666.79	90.08
		For 8' Door Height, Add	*116.79*	
08 17 23 00-0040	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	716.01	93.42
		For 8' Door Height, Add	*127.00*	
08 17 23 00-0041	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,023.71	136.80
		For 8' Door Height, Add	*180.03*	
08 17 23 00-0042	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,083.17	146.81
		For 8' Door Height, Add	*189.50*	
08 17 23 00-0043	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Birch Faced Door	1,190.57	156.81
		For 8' Door Height, Add	*210.47*	

08 17 23 00-0044 Lauan Faced *(08 17 23 00-0033)*

08 17 23 00-0045	EA	2'-0" Or 2'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	463.37	83.41
		For 8' Door Height, Add	*71.17*	
08 17 23 00-0046	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	479.67	83.41
		For 8' Door Height, Add	*75.08*	
08 17 23 00-0047	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	502.62	86.75
		For 8' Door Height, Add	*78.99*	
08 17 23 00-0048	EA	3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	525.75	90.08
		For 8' Door Height, Add	*82.94*	
08 17 23 00-0049	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	563.76	90.08
		For 8' Door Height, Add	*92.06*	
08 17 23 00-0050	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	594.99	93.42
		For 8' Door Height, Add	*97.95*	
08 17 23 00-0051	EA	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	866.67	136.80
		For 8' Door Height, Add	*142.34*	
08 17 23 00-0052	EA	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	919.32	146.81
		For 8' Door Height, Add	*150.17*	
08 17 23 00-0053	EA	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Lauan Faced Door	1,004.79	156.81
		For 8' Door Height, Add	*165.88*	

08 17 23 00-0054 Tempered Hardboard Faced *(08 17 23 00-0033)*

08 17 23 00-0055	EA	2'-0" - 2'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	446.70	83.41
		For 8' Door Height, Add	*67.17*	
08 17 23 00-0056	EA	2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	462.91	83.41
		For 8' Door Height, Add	*71.06*	
08 17 23 00-0057	EA	2'-8" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	485.84	86.75
		For 8' Door Height, Add	*74.96*	
08 17 23 00-0058	EA	3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	498.52	90.08
		For 8' Door Height, Add	*76.41*	
08 17 23 00-0059	EA	3'-4" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	533.63	90.08
		For 8' Door Height, Add	*84.83*	
08 17 23 00-0060	EA	3'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	562.95	93.42
		For 8' Door Height, Add	*90.26*	
08 17 23 00-0061	PR	Pair 2' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	833.35	136.80
		For 8' Door Height, Add	*134.34*	
08 17 23 00-0062	PR	Pair 2'-6" x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	885.77	146.81
		For 8' Door Height, Add	*142.12*	
08 17 23 00-0063	PR	Pair 3' x 7' x 1-3/8" Prehung Solid Core, Hardboard Faced Door	950.32	156.81
		For 8' Door Height, Add	*152.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0064		Hollow Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*		
08 17 23 00-0065		Birch Faced *(08 17 23 00-0064)*		
08 17 23 00-0066	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	473.54	83.41
		For 8' Door Height, Add	*73.61*	
08 17 23 00-0067	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	485.12	83.41
		For 8' Door Height, Add	*76.39*	
08 17 23 00-0068	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	496.07	86.75
		For 8' Door Height, Add	*77.42*	
08 17 23 00-0069	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	521.61	90.08
		For 8' Door Height, Add	*81.95*	
08 17 23 00-0070	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	571.70	90.08
		For 8' Door Height, Add	*93.97*	
08 17 23 00-0071	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	636.91	93.42
		For 8' Door Height, Add	*108.01*	
08 17 23 00-0072	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	887.08	136.80
		For 8' Door Height, Add	*147.23*	
08 17 23 00-0073	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	930.20	146.81
		For 8' Door Height, Add	*152.78*	
08 17 23 00-0074	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Birch Faced Door	996.56	156.81
		For 8' Door Height, Add	*163.90*	
08 17 23 00-0075		Lauan Faced *(08 17 23 00-0064)*		
08 17 23 00-0076	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	427.36	83.41
		For 8' Door Height, Add	*62.53*	
08 17 23 00-0077	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	445.32	83.41
		For 8' Door Height, Add	*66.84*	
08 17 23 00-0078	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	466.56	86.75
		For 8' Door Height, Add	*70.34*	
08 17 23 00-0079	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	479.00	90.08
		For 8' Door Height, Add	*71.72*	
08 17 23 00-0080	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	511.85	90.08
		For 8' Door Height, Add	*79.61*	
08 17 23 00-0081	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	539.76	93.42
		For 8' Door Height, Add	*84.70*	
08 17 23 00-0082	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	794.69	136.80
		For 8' Door Height, Add	*125.06*	
08 17 23 00-0083	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	850.60	146.81
		For 8' Door Height, Add	*133.68*	
08 17 23 00-0084	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Lauan Faced Door	911.32	156.81
		For 8' Door Height, Add	*143.44*	
08 17 23 00-0085		Tempered Hardboard Faced *(08 17 23 00-0064)*		
08 17 23 00-0086	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	375.15	83.41
		For 8' Door Height, Add	*50.00*	
08 17 23 00-0087	EA	2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	380.96	83.41
		For 8' Door Height, Add	*51.39*	
08 17 23 00-0088	EA	2'-8" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	399.20	86.75
		For 8' Door Height, Add	*54.17*	
08 17 23 00-0089	EA	3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	417.45	90.08
		For 8' Door Height, Add	*56.95*	
08 17 23 00-0090	EA	3'-4" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	430.67	90.08
		For 8' Door Height, Add	*60.12*	
08 17 23 00-0091	EA	3'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	443.15	93.42
		For 8' Door Height, Add	*61.51*	
08 17 23 00-0092	EA	Pair 2' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	674.20	136.80
		For 8' Door Height, Add	*96.15*	
08 17 23 00-0093	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	721.87	146.81
		For 8' Door Height, Add	*102.78*	
08 17 23 00-0094	EA	Pair 3' x 7' x 1-3/4" Prehung Hollow Core, Hardboard Faced Door	788.23	156.81
		For 8' Door Height, Add	*113.90*	
08 17 23 00-0095		Solid Core Doors, 1-3/4" Thick *(08 17 23 00-0001)*		
08 17 23 00-0096		Birch Faced *(08 17 23 00-0095)*		
08 17 23 00-0097	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	599.31	83.41
		For 8' Door Height, Add	*103.80*	
08 17 23 00-0098	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	617.32	83.41
		For 8' Door Height, Add	*108.12*	
08 17 23 00-0099	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	630.01	86.75
		For 8' Door Height, Add	*109.56*	
08 17 23 00-0100	EA	3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	654.69	90.08
		For 8' Door Height, Add	*113.89*	
08 17 23 00-0101	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	706.89	90.08
		For 8' Door Height, Add	*126.42*	
08 17 23 00-0102	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	766.28	93.42
		For 8' Door Height, Add	*139.07*	
08 17 23 00-0103	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,138.57	136.80
		For 8' Door Height, Add	*207.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0104	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,194.59	146.81
		For 8' Door Height, Add	*216.24*	
08 17 23 00-0105	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Birch Faced Door	1,262.69	156.81
		For 8' Door Height, Add	*227.77*	
08 17 23 00-0106		**Lauan Faced** *(08 17 23 00-0095)*		
08 17 23 00-0107	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	570.46	83.41
		For 8' Door Height, Add	*96.87*	
08 17 23 00-0108	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	571.64	83.41
		For 8' Door Height, Add	*97.16*	
08 17 23 00-0109	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	589.94	86.75
		For 8' Door Height, Add	*99.95*	
08 17 23 00-0110	EA	3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	605.03	90.08
		For 8' Door Height, Add	*101.97*	
08 17 23 00-0111	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	643.43	90.08
		For 8' Door Height, Add	*111.18*	
08 17 23 00-0112	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	679.75	93.42
		For 8' Door Height, Add	*118.30*	
08 17 23 00-0113	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,080.90	136.80
		For 8' Door Height, Add	*193.75*	
08 17 23 00-0114	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,103.24	146.81
		For 8' Door Height, Add	*194.31*	
08 17 23 00-0115	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Lauan Faced Door	1,163.37	156.81
		For 8' Door Height, Add	*203.94*	
08 17 23 00-0116		**Tempered Hardboard Faced** *(08 17 23 00-0095)*		
08 17 23 00-0117	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	509.20	83.41
		For 8' Door Height, Add	*82.17*	
08 17 23 00-0118	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	515.19	83.41
		For 8' Door Height, Add	*83.61*	
08 17 23 00-0119	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	527.89	86.75
		For 8' Door Height, Add	*85.06*	
08 17 23 00-0120	EA	3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	546.59	90.08
		For 8' Door Height, Add	*87.94*	
08 17 23 00-0121	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	573.46	90.08
		For 8' Door Height, Add	*94.39*	
08 17 23 00-0122	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	605.32	93.42
		For 8' Door Height, Add	*100.43*	
08 17 23 00-0123	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	958.34	136.80
		For 8' Door Height, Add	*164.34*	
08 17 23 00-0124	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	990.36	146.81
		For 8' Door Height, Add	*167.22*	
08 17 23 00-0125	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Hardboard Faced Door	1,046.46	156.81
		For 8' Door Height, Add	*175.88*	
08 17 23 00-0126		**Oak Or Maple Faced** *(08 17 23 00-0095)*		
08 17 23 00-0127	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	939.41	83.41
		For 8' Door Height, Add	*185.42*	
08 17 23 00-0128	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	944.13	83.41
		For 8' Door Height, Add	*186.55*	
08 17 23 00-0129	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	990.74	86.75
		For 8' Door Height, Add	*196.14*	
08 17 23 00-0130	EA	3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,007.85	90.08
		For 8' Door Height, Add	*198.64*	
08 17 23 00-0131	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,097.57	90.08
		For 8' Door Height, Add	*220.18*	
08 17 23 00-0132	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,210.56	93.42
		For 8' Door Height, Add	*245.69*	
08 17 23 00-0133	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,818.80	136.80
		For 8' Door Height, Add	*370.86*	
08 17 23 00-0134	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,848.27	146.81
		For 8' Door Height, Add	*373.12*	
08 17 23 00-0135	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Oak Or Maple Faced Door	1,969.00	156.81
		For 8' Door Height, Add	*397.29*	
08 17 23 00-0136		**Walnut Faced** *(08 17 23 00-0095)*		
08 17 23 00-0137	EA	2'-0" Or 2'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,180.70	83.41
		For 8' Door Height, Add	*243.33*	
08 17 23 00-0138	EA	2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,222.86	83.41
		For 8' Door Height, Add	*253.45*	
08 17 23 00-0139	EA	2'-8" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,243.66	86.75
		For 8' Door Height, Add	*256.84*	
08 17 23 00-0140	EA	3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,292.55	90.08
		For 8' Door Height, Add	*266.97*	
08 17 23 00-0141	EA	3'-4" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,414.93	90.08
		For 8' Door Height, Add	*296.34*	
08 17 23 00-0142	EA	3'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	1,545.18	93.42
		For 8' Door Height, Add	*326.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 17 23 00-0143	EA	Pair 2' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,301.36	136.80
		For 8' Door Height, Add	*486.66*	
08 17 23 00-0144	EA	Pair 2'-6" x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,405.68	146.81
		For 8' Door Height, Add	*506.90*	
08 17 23 00-0145	EA	Pair 3' x 7' x 1-3/4" Prehung Solid Core, Walnut Faced Door	2,538.41	156.81
		For 8' Door Height, Add	*533.94*	

08 18 Glass Doors *(08 10)*

08 18 16 Sliding Glass Doors *(08 18)*

08 18 16 00-0001 Sliding Aluminum-Framed Glass Doors *(08 18 16)*

08 18 16 00-0002 Residential Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0001)*

08 18 16 00-0003 5/8" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*

08 18 16 00-0004	SF	Up To 6' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	56.50	6.00
		For Custom Quality, Add	*10.15*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*7.31*	
08 18 16 00-0005	SF	>6' Up To 12' Wide Sliding Glass Door 5/8" Insulated Glass With Frame, Trim, Hardware	48.07	3.74
		For Custom Quality, Add	*9.70*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*6.99*	

08 18 16 00-0006 1" Insulating Glass, Sliding Aluminum-Framed Glass Doors *(08 18 16 00-0002)*

08 18 16 00-0007	SF	Up To 6' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	63.78	6.00
		For Custom Quality, Add	*11.97*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.62*	
08 18 16 00-0008	SF	>6' Up To 12' Wide Sliding Glass Door 1" Insulated Glass With Frame, Trim, Hardware	55.24	3.74
		For Custom Quality, Add	*11.50*	
		For Tempered Glass, Add	*1.42*	
		For Anodized Or Colored Aluminum Frames, Add	*8.28*	

08 18 16 00-0009 Sliding Wood-Framed Glass Doors *(08 18 16)*

08 18 16 00-0010 Residential Wood Sliding Doors With 5/8" Glass *(08 18 16 00-0009)*

08 18 16 00-0011	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,101.96	180.17
08 18 16 00-0012	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,566.14	220.21
08 18 16 00-0013	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Frame, Trim, Hardware	2,964.91	253.57
08 18 16 00-0014	EA	6' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,304.60	180.17
08 18 16 00-0015	EA	8' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	2,827.87	220.21
08 18 16 00-0016	EA	9' x 6' 8" Sliding Glass Door, Wood, 5/8" Insulated Glass With Grille, Frame, Trim, Hardware	3,288.82	253.57

08 30 Specialty Doors and Frames *(08)*

Note: Includes caulk, sealant and mounting anchors.

08 31 Access Doors and Panels *(08 30)*

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

08 31 13 Access Doors and Frames *(08 31)*

08 31 13 00-0001 Stainless Steel Access Doors *(08 31 13)*

08 31 13 00-0002 Fire Rated Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch	463.61	61.24
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	539.83	65.24
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	630.68	69.00
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch	728.34	72.51
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch	745.15	72.88
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch	964.03	75.14

08 31 13 00-0009 Stainless Steel Access Doors *(08 31 13 00-0001)*

08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch	184.67	46.96
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch	220.93	61.24
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch	315.13	65.24
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch	338.28	69.00
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch	392.90	72.51
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch	448.01	72.88

08 31 13 00-0016 Steel Access Doors *(08 31 13)*

Note: Includes paintable powder coated finish.

08 31 13 00-0017 Insulated Fire Rated Steel Access Doors *(08 31 13 00-0016)*

08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch	308.87	61.62
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	384.11	65.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	383.28	69.00
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch	456.61	72.88
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch	477.79	72.88
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	630.26	75.14
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	728.30	78.27
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch	903.58	78.27
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch	1,160.71	93.92
08 31 13 00-0027		Steel Access Doors *(08 31 13 00-0016)*		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch	154.33	47.21
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch	165.33	61.62
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch	191.18	65.24
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch	196.23	69.00
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch	234.28	72.88
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch	240.11	72.88
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch	311.44	75.14
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch	415.17	78.27
08 31 13 00-0036		Fiberglass Reinforced Polyester (FRP) Access Doors *(08 31 13)*		
08 31 13 00-0037	EA	8" x 8" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	195.80	46.96
08 31 13 00-0038	EA	12" x 12" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	217.12	50.09
08 31 13 00-0039	EA	12" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	269.82	53.22
08 31 13 00-0040	EA	18" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	322.34	56.35
08 31 13 00-0041	EA	24" x 18" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	378.54	59.23
08 31 13 00-0042	EA	24" x 24" Fiberglass Reinforced Polyester (FRP) Access Door With Lock	406.84	59.48
08 31 13 00-0043		Steel Recessed Access Doors For Drywall Application *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0044	EA	8" x 8" Recessed Steel Access Door With Cam Latch	224.50	46.96
		For Recessed Doors In Acoustical Tile, Add	*17.98*	
08 31 13 00-0045	EA	12" x 12" Recessed Steel Access Door With Cam Latch	234.74	50.34
		For Recessed Doors In Acoustical Tile, Add	*20.14*	
08 31 13 00-0046	EA	12" x 18" Recessed Steel Access Door With Cam Latch	252.44	53.22
		For Recessed Doors In Acoustical Tile, Add	*20.70*	
08 31 13 00-0047	EA	18" x 18" Recessed Steel Access Door With Cam Latch	297.40	56.35
		For Recessed Doors In Acoustical Tile, Add	*17.38*	
08 31 13 00-0048	EA	24" x 18" Recessed Steel Access Door With Cam Latch	312.88	59.48
		For Recessed Doors In Acoustical Tile, Add	*18.51*	
08 31 13 00-0049	EA	24" x 24" Recessed Steel Access Door With Cam Latch	343.68	59.48
		For Recessed Doors In Acoustical Tile, Add	*13.89*	
08 31 13 00-0050	EA	24" x 36" Recessed Steel Access Door With Cam Latch	427.90	75.14
		For Recessed Doors In Acoustical Tile, Add	*18.46*	
08 31 13 00-0051	EA	36" x 36" Recessed Steel Access Door With Cam Latch	617.07	78.27
		For Recessed Doors In Acoustical Tile, Add	*-6.46*	
08 31 13 00-0052		Steel Crawl Space Doors And Frames *(08 31 13)*		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0053	EA	24" x 24" Steel Crawl Space Door With Cam Latch	257.12	79.27
08 31 13 00-0054	EA	30" x 24" Steel Crawl Space Door With Cam Latch	363.64	96.06
08 31 13 00-0055	EA	30" x 30" Steel Crawl Space Door With Cam Latch	408.04	104.32

08 33 Coiling Doors and Grilles *(08 30)*

08 33 13 Coiling Counter Doors *(08 33)*

08 33 13 00-0001 Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0002 Galvanized Steel Overhead Rolling Counter Doors *(08 33 13 00-0001)*

Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0003	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,474.64	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0004	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,615.81	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0005	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	3,885.30	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0006	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,247.94	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0007	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,109.90	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0008	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,343.02	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0009	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,464.52	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0010	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)	4,749.16	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0011		**Stainless Steel Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA	4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,172.31	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0013	EA	6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,755.15	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0014	EA	8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	5,918.86	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0015	EA	10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	7,200.05	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0016	EA	4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,126.05	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0017	EA	6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,359.28	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0018	EA	8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	6,516.16	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0019	EA	10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)	8,213.92	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	
08 33 13 00-0020		**Aluminum Overhead Rolling Counter Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA	4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,748.43	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0022	EA	6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	4,943.19	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0023	EA	8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,487.83	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0024	EA	10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,488.34	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0025	EA	4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,624.85	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0026	EA	6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	5,898.17	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0027	EA	8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	6,070.81	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)	7,566.65	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	
08 33 13 00-0029		**Galvanized Steel Overhead Rolling Counter Fire Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,321.65	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,533.40	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,873.48	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,306.70	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	4,745.15	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,013.57	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,205.65	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640)	5,384.41	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	
08 33 13 00-0038		**Stainless Steel Overhead Rolling Counter Fire Doors** *(08 33 13 00-0001)* Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	6,655.91	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,503.69	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,667.40	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,372.48	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,185.77	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,471.98	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	7,734.84	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641)	9,485.58	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors *(08 33 13)*

08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,741.01	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	8,935.77	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	20,970.69	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,604.50	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,033.15	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,355.16	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	9,600.83	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655)	10,682.81	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0057 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,767.21	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	7,961.97	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,214.47	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,630.70	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,643.63	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	8,965.64	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,308.69	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656)	9,611.63	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0066 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	12,802.29	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	13,862.01	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	16,039.19	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,320.38	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	14,391.87	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	15,578.84	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	17,219.33	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657)	19,446.95	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0075 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,639.10	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	7,780.27	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,120.34	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,835.90	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,062.60	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	8,613.36	509.00
		For Motor Operator (With Safety Reverse), Add	*777.26*	
08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	9,087.77	529.39
		For Motor Operator (With Safety Reverse), Add	*782.35*	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658)	10,607.63	572.68
		For Motor Operator (With Safety Reverse), Add	*793.17*	

08 33 13 00-0084 Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,451.59	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	15,981.45	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660)	18,158.63	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	

08 33 13 00-0088 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	8,203.77	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	11,027.13	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661)	12,496.55	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	

08 33 13 00-0092 Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood *(08 33 13 00-0047)*

Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	7,215.59	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,062.60	458.15
		For Motor Operator (With Safety Reverse), Add	*764.54*	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	8,614.43	486.78
		For Motor Operator (With Safety Reverse), Add	*770.31*	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662)	9,541.74	572.68
		For Motor Operator (With Safety Reverse), Add	*792.46*	

08 33 16 Coiling Counter Grilles *(08 33)*

08 33 16 00-0001 Galvanized Steel Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,538.64	200.44
		For Lexan Lattice Pattern, Add	*144.89*	
		For Staggered Brick Pattern, Add	*184.05*	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,733.25	234.80
		For Lexan Lattice Pattern, Add	*159.48*	
		For Staggered Brick Pattern, Add	*249.68*	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,925.31	267.22
		For Lexan Lattice Pattern, Add	*174.26*	
		For Staggered Brick Pattern, Add	*315.32*	
08 33 16 00-0005	EA	10' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,145.88	303.52
		For Lexan Lattice Pattern, Add	*193.03*	
		For Staggered Brick Pattern, Add	*380.96*	
08 33 16 00-0006	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,366.65	337.88
		For Lexan Lattice Pattern, Add	*211.80*	
		For Staggered Brick Pattern, Add	*446.58*	
08 33 16 00-0007	EA	14' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,667.03	366.51
		For Lexan Lattice Pattern, Add	*242.42*	
		For Staggered Brick Pattern, Add	*517.73*	
08 33 16 00-0008	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,965.71	400.87
		For Lexan Lattice Pattern, Add	*273.05*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0009	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,360.02	458.15
		For Lexan Lattice Pattern, Add	*303.68*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0010	EA	20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,775.89	534.31
		For Lexan Lattice Pattern, Add	*337.31*	
		For Staggered Brick Pattern, Add	*731.17*	
08 33 16 00-0011	EA	24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,676.74	641.40
		For Lexan Lattice Pattern, Add	*426.18*	
		For Staggered Brick Pattern, Add	*756.07*	
08 33 16 00-0012	EA	30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,796.57	801.76
		For Lexan Lattice Pattern, Add	*525.88*	
		For Staggered Brick Pattern, Add	*867.88*	
08 33 16 00-0013	EA	4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,590.37	200.44
		For Lexan Lattice Pattern, Add	*152.65*	
		For Staggered Brick Pattern, Add	*213.83*	
08 33 16 00-0014	EA	6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,805.23	234.80
		For Lexan Lattice Pattern, Add	*170.28*	
		For Staggered Brick Pattern, Add	*290.81*	
08 33 16 00-0015	EA	8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	1,935.54	267.33
		For Lexan Lattice Pattern, Add	*175.79*	
		For Staggered Brick Pattern, Add	*367.80*	
08 33 16 00-0016	EA	10' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,141.61	303.52
		For Lexan Lattice Pattern, Add	*192.39*	
		For Staggered Brick Pattern, Add	*444.77*	
08 33 16 00-0017	EA	12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,349.58	337.88
		For Lexan Lattice Pattern, Add	*208.98*	
		For Staggered Brick Pattern, Add	*521.75*	
08 33 16 00-0018	EA	14' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,673.63	366.51
		For Lexan Lattice Pattern, Add	*243.41*	
		For Staggered Brick Pattern, Add	*620.00*	
08 33 16 00-0019	EA	16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	2,997.68	400.87
		For Lexan Lattice Pattern, Add	*277.85*	
		For Staggered Brick Pattern, Add	*718.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0020	EA	18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,417.36	458.15
		For Lexan Lattice Pattern, Add	*312.28*	
		For Staggered Brick Pattern, Add	*718.25*	
08 33 16 00-0021	EA	20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	3,834.50	534.31
		For Lexan Lattice Pattern, Add	*346.71*	
		For Staggered Brick Pattern, Add	*914.76*	
08 33 16 00-0022	EA	24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	4,809.33	641.40
		For Lexan Lattice Pattern, Add	*446.07*	
		For Staggered Brick Pattern, Add	*1,054.53*	
08 33 16 00-0023	EA	30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift	5,879.12	801.76
		For Lexan Lattice Pattern, Add	*538.26*	
		For Staggered Brick Pattern, Add	*1,182.20*	

08 33 16 00-0024 Aluminum Overhead Coiling Counter Grilles (Width x Height) *(08 33 16)*

08 33 16 00-0025	EA	4' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,644.49	200.44
		For Lexan Lattice Pattern, Add	*160.77*	
		For Staggered Brick Pattern, Add	*184.05*	
08 33 16 00-0026	EA	6' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,878.92	234.80
		For Lexan Lattice Pattern, Add	*181.33*	
		For Staggered Brick Pattern, Add	*249.68*	
08 33 16 00-0027	EA	8' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,110.81	267.22
		For Lexan Lattice Pattern, Add	*202.08*	
		For Staggered Brick Pattern, Add	*315.32*	
08 33 16 00-0028	EA	10' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,371.20	303.52
		For Lexan Lattice Pattern, Add	*226.83*	
		For Staggered Brick Pattern, Add	*380.96*	
08 33 16 00-0029	EA	12' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,633.49	337.88
		For Lexan Lattice Pattern, Add	*251.57*	
		For Staggered Brick Pattern, Add	*446.58*	
08 33 16 00-0030	EA	14' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,998.18	366.51
		For Lexan Lattice Pattern, Add	*292.10*	
		For Staggered Brick Pattern, Add	*517.73*	
08 33 16 00-0031	EA	16' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,362.89	400.87
		For Lexan Lattice Pattern, Add	*332.63*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0032	EA	18' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,823.23	458.15
		For Lexan Lattice Pattern, Add	*373.16*	
		For Staggered Brick Pattern, Add	*588.88*	
08 33 16 00-0033	EA	20' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,285.09	534.31
		For Lexan Lattice Pattern, Add	*413.69*	
		For Staggered Brick Pattern, Add	*731.17*	
08 33 16 00-0034	EA	24' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,311.83	641.40
		For Lexan Lattice Pattern, Add	*521.45*	
		For Staggered Brick Pattern, Add	*756.07*	
08 33 16 00-0035	EA	30' x 4', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,539.92	801.76
		For Lexan Lattice Pattern, Add	*637.38*	
		For Staggered Brick Pattern, Add	*867.88*	
08 33 16 00-0036	EA	4' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	1,749.12	200.44
		For Lexan Lattice Pattern, Add	*176.47*	
		For Staggered Brick Pattern, Add	*213.83*	
08 33 16 00-0037	EA	6' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,043.36	234.80
		For Lexan Lattice Pattern, Add	*206.00*	
		For Staggered Brick Pattern, Add	*290.81*	
08 33 16 00-0038	EA	8' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,253.02	267.33
		For Lexan Lattice Pattern, Add	*223.42*	
		For Staggered Brick Pattern, Add	*367.80*	
08 33 16 00-0039	EA	10' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,538.50	303.52
		For Lexan Lattice Pattern, Add	*251.92*	
		For Staggered Brick Pattern, Add	*444.77*	
08 33 16 00-0040	EA	12' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	2,825.90	337.88
		For Lexan Lattice Pattern, Add	*280.43*	
		For Staggered Brick Pattern, Add	*521.75*	
08 33 16 00-0041	EA	14' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,229.34	366.51
		For Lexan Lattice Pattern, Add	*326.77*	
		For Staggered Brick Pattern, Add	*620.00*	
08 33 16 00-0042	EA	16' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	3,632.78	400.87
		For Lexan Lattice Pattern, Add	*373.11*	
		For Staggered Brick Pattern, Add	*718.25*	
08 33 16 00-0043	EA	18' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,131.84	458.15
		For Lexan Lattice Pattern, Add	*419.45*	
		For Staggered Brick Pattern, Add	*718.25*	
08 33 16 00-0044	EA	20' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	4,628.37	534.31
		For Lexan Lattice Pattern, Add	*465.79*	
		For Staggered Brick Pattern, Add	*914.76*	
08 33 16 00-0045	EA	24' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	5,761.96	641.40
		For Lexan Lattice Pattern, Add	*588.97*	
		For Staggered Brick Pattern, Add	*1,054.53*	
08 33 16 00-0046	EA	30' x 6', Aluminum Overhead Coiling Counter Grilles, Manual Lift	6,988.23	801.76
		For Lexan Lattice Pattern, Add	*704.63*	
		For Staggered Brick Pattern, Add	*1,182.20*	

08 33 23 Overhead Coiling Doors *(08 33)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0051 for scissor lifts, 01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 23 00-0965 for forklift.

08 33 23 11 Overhead Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,560.25	665.95
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,670.06	705.12
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,666.38	705.12
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,780.98	744.29
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,811.68	763.91
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	1,965.05	822.64
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,093.37	861.81
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,057.07	861.81
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,122.56	881.40
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,199.69	900.99
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,351.52	940.16
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,194.63	900.99
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,327.35	940.16
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,478.18	979.33
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift	2,593.98	1,018.51

08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,716.95	991.09
		For 3/4" Insulated Slats, Add	*1,548.86*	
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,822.03	1,013.62
		For 3/4" Insulated Slats, Add	*1,599.46*	
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,132.97	1,081.19
		For 3/4" Insulated Slats, Add	*1,748.25*	
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,406.00	1,126.23
		For 3/4" Insulated Slats, Add	*1,896.71*	
08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,974.47	1,036.13
		For 3/4" Insulated Slats, Add	*1,685.68*	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,291.40	1,126.23
		For 3/4" Insulated Slats, Add	*1,810.76*	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,518.26	1,171.29
		For 3/4" Insulated Slats, Add	*1,924.59*	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,805.44	1,216.33
		For 3/4" Insulated Slats, Add	*2,083.66*	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,243.71	1,081.19
		For 3/4" Insulated Slats, Add	*1,831.31*	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,492.24	1,126.23
		For 3/4" Insulated Slats, Add	*1,961.39*	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,830.90	1,216.33
		For 3/4" Insulated Slats, Add	*2,102.76*	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,197.11	1,255.51
		For 3/4" Insulated Slats, Add	*2,328.45*	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,323.84	1,333.85
		For 3/4" Insulated Slats, Add	*2,325.56*	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,810.28	1,412.20
		For 3/4" Insulated Slats, Add	*2,592.47*	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,316.74	1,490.55
		For 3/4" Insulated Slats, Add	*2,874.37*	

08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,278.71	891.97
		For 3/4" Insulated Slats, Add	*1,344.06*	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,527.36	941.54
		For 3/4" Insulated Slats, Add	*1,468.56*	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,704.42	980.71
		For 3/4" Insulated Slats, Add	*1,552.38*	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	3,743.29	1,040.65
		For 3/4" Insulated Slats, Add	*1,506.62*	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,107.69	1,139.75
		For 3/4" Insulated Slats, Add	*1,656.03*	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,338.74	1,178.93
		For 3/4" Insulated Slats, Add	*1,780.36*	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,887.10	1,218.11
		For 3/4" Insulated Slats, Add	*2,142.66*	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,474.63	1,276.86
		For 3/4" Insulated Slats, Add	*2,509.85*	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,067.89	1,114.97
		For 3/4" Insulated Slats, Add	*1,657.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,400.38	1,189.30
		For 3/4" Insulated Slats, Add	*1,813.65*	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,666.77	1,238.87
		For 3/4" Insulated Slats, Add	*1,951.46*	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,194.10	1,278.03
		For 3/4" Insulated Slats, Add	*2,297.99*	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,760.58	1,336.80
		For 3/4" Insulated Slats, Add	*2,649.40*	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	4,798.25	1,288.41
		For 3/4" Insulated Slats, Add	*1,988.18*	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,145.11	1,337.97
		For 3/4" Insulated Slats, Add	*2,186.33*	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,771.70	1,416.32
		For 3/4" Insulated Slats, Add	*2,558.33*	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,476.62	1,533.84
		For 3/4" Insulated Slats, Add	*2,940.13*	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,203.33	1,690.53
		For 3/4" Insulated Slats, Add	*3,289.29*	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,008.39	1,886.40
		For 3/4" Insulated Slats, Add	*3,648.26*	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,891.80	2,121.44
		For 3/4" Insulated Slats, Add	*4,017.01*	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,851.80	2,395.65
		For 3/4" Insulated Slats, Add	*4,394.24*	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,161.72	1,337.97
		For 3/4" Insulated Slats, Add	*2,198.78*	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	5,504.79	1,381.06
		For 3/4" Insulated Slats, Add	*2,402.22*	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,283.73	1,459.41
		For 3/4" Insulated Slats, Add	*2,888.50*	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,141.01	1,576.93
		For 3/4" Insulated Slats, Add	*3,384.56*	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,990.30	1,733.62
		For 3/4" Insulated Slats, Add	*3,825.66*	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,917.94	1,929.49
		For 3/4" Insulated Slats, Add	*4,276.55*	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,923.92	2,164.53
		For 3/4" Insulated Slats, Add	*4,737.23*	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,086.57	2,477.92
		For 3/4" Insulated Slats, Add	*5,217.49*	

08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover)

08 33 23 11-0065	EA	14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,292.47	1,557.94
		For 3/4" Insulated Slats, Add	*2,771.95*	
08 33 23 11-0066	EA	14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,880.47	1,636.28
		For 3/4" Insulated Slats, Add	*3,115.02*	
08 33 23 11-0067	EA	14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,583.20	1,714.64
		For 3/4" Insulated Slats, Add	*3,544.13*	
08 33 23 11-0068	EA	14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,292.56	1,832.16
		For 3/4" Insulated Slats, Add	*3,929.25*	
08 33 23 11-0069	EA	14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,119.46	1,988.84
		For 3/4" Insulated Slats, Add	*4,353.55*	
08 33 23 11-0070	EA	14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,945.62	2,145.54
		For 3/4" Insulated Slats, Add	*4,777.31*	
08 33 23 11-0071	EA	14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,625.04	2,341.41
		For 3/4" Insulated Slats, Add	*5,792.04*	
08 33 23 11-0072	EA	14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,382.81	2,576.45
		For 3/4" Insulated Slats, Add	*6,816.57*	
08 33 23 11-0073	EA	16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,555.97	1,791.63
		For 3/4" Insulated Slats, Add	*3,427.43*	
08 33 23 11-0074	EA	16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,221.11	1,869.98
		For 3/4" Insulated Slats, Add	*3,828.36*	
08 33 23 11-0075	EA	16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,816.48	1,948.33
		For 3/4" Insulated Slats, Add	*4,176.95*	
08 33 23 11-0076	EA	16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,510.38	2,065.85
		For 3/4" Insulated Slats, Add	*4,550.48*	
08 33 23 11-0077	EA	16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,340.77	2,222.54
		For 3/4" Insulated Slats, Add	*4,977.41*	
08 33 23 11-0078	EA	16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,281.09	2,379.23
		For 3/4" Insulated Slats, Add	*5,486.77*	
08 33 23 11-0079	EA	16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,692.26	2,575.10
		For 3/4" Insulated Slats, Add	*6,300.32*	
08 33 23 11-0080	EA	16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,192.37	2,810.14
		For 3/4" Insulated Slats, Add	*7,131.60*	
08 33 23 11-0081	EA	18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,191.08	2,015.59
		For 3/4" Insulated Slats, Add	*3,623.78*	
08 33 23 11-0082	EA	18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,789.26	2,093.94
		For 3/4" Insulated Slats, Add	*3,974.48*	
08 33 23 11-0083	EA	18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,741.48	2,211.46
		For 3/4" Insulated Slats, Add	*4,541.74*	
08 33 23 11-0084	EA	18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,636.93	2,368.15
		For 3/4" Insulated Slats, Add	*5,017.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0085	EA	18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,616.14	2,564.03
		For 3/4" Insulated Slats, Add	*5,507.04*	
08 33 23 11-0086	EA	18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,674.41	2,799.06
		For 3/4" Insulated Slats, Add	*6,006.95*	
08 33 23 11-0087	EA	18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,439.10	3,073.27
		For 3/4" Insulated Slats, Add	*6,987.69*	
08 33 23 11-0088	EA	18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,314.30	3,386.66
		For 3/4" Insulated Slats, Add	*8,002.36*	
08 33 23 11-0089	EA	20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,367.07	2,317.94
		For 3/4" Insulated Slats, Add	*4,127.85*	
08 33 23 11-0090	EA	20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,483.72	2,396.28
		For 3/4" Insulated Slats, Add	*4,867.40*	
08 33 23 11-0091	EA	20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,899.67	2,834.07
		For 3/4" Insulated Slats, Add	*5,382.21*	
08 33 23 11-0092	EA	20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,101.20	2,951.59
		For 3/4" Insulated Slats, Add	*6,136.46*	
08 33 23 11-0093	EA	20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,550.70	3,108.28
		For 3/4" Insulated Slats, Add	*7,027.72*	
08 33 23 11-0094	EA	20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,161.22	3,264.97
		For 3/4" Insulated Slats, Add	*8,039.73*	
08 33 23 11-0095	EA	20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,857.66	3,460.84
		For 3/4" Insulated Slats, Add	*9,067.24*	
08 33 23 11-0096	EA	20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,659.08	3,695.88
		For 3/4" Insulated Slats, Add	*10,124.50*	
08 33 23 11-0097	EA	22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,312.68	2,743.97
		For 3/4" Insulated Slats, Add	*4,304.59*	
08 33 23 11-0098	EA	22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,573.23	2,861.49
		For 3/4" Insulated Slats, Add	*5,103.10*	
08 33 23 11-0099	EA	22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,294.34	3,117.47
		For 3/4" Insulated Slats, Add	*6,073.89*	
08 33 23 11-0100	EA	22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,847.24	3,234.99
		For 3/4" Insulated Slats, Add	*7,091.67*	
08 33 23 11-0101	EA	22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,483.56	3,391.67
		For 3/4" Insulated Slats, Add	*8,123.03*	
08 33 23 11-0102	EA	22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,280.29	3,548.37
		For 3/4" Insulated Slats, Add	*9,274.72*	
08 33 23 11-0103	EA	22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	20,160.67	3,744.23
		For 3/4" Insulated Slats, Add	*10,440.17*	
08 33 23 11-0104	EA	22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	22,108.68	3,979.27
		For 3/4" Insulated Slats, Add	*11,607.38*	
08 33 23 11-0105	EA	24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,364.72	3,018.35
		For 3/4" Insulated Slats, Add	*4,750.56*	
08 33 23 11-0106	EA	24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,222.44	3,096.70
		For 3/4" Insulated Slats, Add	*5,295.92*	
08 33 23 11-0107	EA	24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,050.78	3,175.05
		For 3/4" Insulated Slats, Add	*6,569.24*	
08 33 23 11-0108	EA	24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,778.75	3,292.57
		For 3/4" Insulated Slats, Add	*7,718.31*	
08 33 23 11-0109	EA	24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,519.36	3,449.26
		For 3/4" Insulated Slats, Add	*8,827.91*	
08 33 23 11-0110	EA	24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,419.19	3,605.95
		For 3/4" Insulated Slats, Add	*10,056.91*	
08 33 23 11-0111	EA	24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,732.88	3,821.41
		For 3/4" Insulated Slats, Add	*11,522.86*	
08 33 23 11-0112	EA	24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	24,100.28	4,036.86
		For 3/4" Insulated Slats, Add	*13,029.09*	

08 33 23 11-0113 18 Gauge Galvanized Steel Overhead Coiling Doors *(08 33 23 11-0001)*

Note: With curtain hood (barrel cover).

08 33 23 11-0114	EA	14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	6,924.71	1,635.88
		For 3/4" Insulated Slats, Add	*3,148.78*	
08 33 23 11-0115	EA	14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	7,585.26	1,718.14
		For 3/4" Insulated Slats, Add	*3,541.36*	
08 33 23 11-0116	EA	14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,377.72	1,800.41
		For 3/4" Insulated Slats, Add	*4,032.88*	
08 33 23 11-0117	EA	14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,169.99	1,923.73
		For 3/4" Insulated Slats, Add	*4,472.84*	
08 33 23 11-0118	EA	14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,089.57	2,088.25
		For 3/4" Insulated Slats, Add	*4,956.86*	
08 33 23 11-0119	EA	14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,008.33	2,252.78
		For 3/4" Insulated Slats, Add	*5,440.27*	
08 33 23 11-0120	EA	14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,900.48	2,458.52
		For 3/4" Insulated Slats, Add	*6,602.31*	
08 33 23 11-0121	EA	14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,874.92	2,705.31
		For 3/4" Insulated Slats, Add	*7,774.65*	
08 33 23 11-0122	EA	16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	8,330.97	1,881.26
		For 3/4" Insulated Slats, Add	*3,896.75*	
08 33 23 11-0123	EA	16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,080.23	1,963.52
		For 3/4" Insulated Slats, Add	*4,355.86*	
08 33 23 11-0124	EA	16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,749.23	2,045.79
		For 3/4" Insulated Slats, Add	*4,754.79*	
08 33 23 11-0125	EA	16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,523.70	2,169.11
		For 3/4" Insulated Slats, Add	*5,181.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0126	EA	16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,447.32	2,333.63
		For 3/4" Insulated Slats, Add	*5,668.45*	
08 33 23 11-0127	EA	16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,497.35	2,498.16
		For 3/4" Insulated Slats, Add	*6,250.31*	
08 33 23 11-0128	EA	16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,081.01	2,703.90
		For 3/4" Insulated Slats, Add	*7,180.98*	
08 33 23 11-0129	EA	16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,759.13	2,950.69
		For 3/4" Insulated Slats, Add	*8,131.08*	
08 33 23 11-0130	EA	18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,016.57	2,116.30
		For 3/4" Insulated Slats, Add	*4,116.95*	
08 33 23 11-0131	EA	18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	9,688.79	2,198.56
		For 3/4" Insulated Slats, Add	*4,518.29*	
08 33 23 11-0132	EA	18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,760.35	2,322.04
		For 3/4" Insulated Slats, Add	*5,167.71*	
08 33 23 11-0133	EA	18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,758.78	2,486.57
		For 3/4" Insulated Slats, Add	*5,710.88*	
08 33 23 11-0134	EA	18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,845.71	2,692.15
		For 3/4" Insulated Slats, Add	*6,269.00*	
08 33 23 11-0135	EA	18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,015.70	2,938.94
		For 3/4" Insulated Slats, Add	*6,838.00*	
08 33 23 11-0136	EA	18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,990.25	3,226.94
		For 3/4" Insulated Slats, Add	*7,959.01*	
08 33 23 11-0137	EA	18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	18,084.04	3,556.00
		For 3/4" Insulated Slats, Add	*9,118.03*	
08 33 23 11-0138	EA	20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	10,308.50	2,433.77
		For 3/4" Insulated Slats, Add	*4,689.08*	
08 33 23 11-0139	EA	20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,576.96	2,516.02
		For 3/4" Insulated Slats, Add	*5,537.60*	
08 33 23 11-0140	EA	20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,875.52	2,975.77
		For 3/4" Insulated Slats, Add	*5,936.94*	
08 33 23 11-0141	EA	20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,196.20	3,099.24
		For 3/4" Insulated Slats, Add	*6,773.20*	
08 33 23 11-0142	EA	20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,787.61	3,263.77
		For 3/4" Insulated Slats, Add	*7,761.10*	
08 33 23 11-0143	EA	20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,557.93	3,428.29
		For 3/4" Insulated Slats, Add	*8,883.17*	
08 33 23 11-0144	EA	20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,418.92	3,633.88
		For 3/4" Insulated Slats, Add	*10,021.85*	
08 33 23 11-0145	EA	20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,391.76	3,880.67
		For 3/4" Insulated Slats, Add	*11,192.98*	
08 33 23 11-0146	EA	22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	11,123.12	2,881.12
		For 3/4" Insulated Slats, Add	*4,740.94*	
08 33 23 11-0147	EA	22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,509.37	3,004.59
		For 3/4" Insulated Slats, Add	*5,626.38*	
08 33 23 11-0148	EA	22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	14,390.53	3,273.32
		For 3/4" Insulated Slats, Add	*6,701.15*	
08 33 23 11-0149	EA	22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	16,101.61	3,396.80
		For 3/4" Insulated Slats, Add	*7,830.21*	
08 33 23 11-0150	EA	22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,900.60	3,561.32
		For 3/4" Insulated Slats, Add	*8,973.79*	
08 33 23 11-0151	EA	22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,877.80	3,725.85
		For 3/4" Insulated Slats, Add	*10,251.03*	
08 33 23 11-0152	EA	22' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,943.18	3,931.44
		For 3/4" Insulated Slats, Add	*11,542.99*	
08 33 23 11-0153	EA	22' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	24,078.93	4,178.23
		For 3/4" Insulated Slats, Add	*12,836.31*	
08 33 23 11-0154	EA	24' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	12,258.51	3,169.28
		For 3/4" Insulated Slats, Add	*5,232.28*	
08 33 23 11-0155	EA	24' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	13,201.95	3,251.55
		For 3/4" Insulated Slats, Add	*5,837.04*	
08 33 23 11-0156	EA	24' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	15,223.85	3,333.81
		For 3/4" Insulated Slats, Add	*7,250.63*	
08 33 23 11-0157	EA	24' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	17,129.46	3,457.12
		For 3/4" Insulated Slats, Add	*8,525.59*	
08 33 23 11-0158	EA	24' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	19,044.34	3,621.65
		For 3/4" Insulated Slats, Add	*9,756.09*	
08 33 23 11-0159	EA	24' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	21,136.11	3,786.18
		For 3/4" Insulated Slats, Add	*11,119.26*	
08 33 23 11-0160	EA	24' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	23,680.61	4,012.44
		For 3/4" Insulated Slats, Add	*12,744.80*	
08 33 23 11-0161	EA	24' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift	26,284.65	4,238.72
		For 3/4" Insulated Slats, Add	*14,415.09*	

08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) *(08 33 23 11)*

Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports and weatherseal. See CSI section 05 12 23 00-0422 for lightweight framing and angle iron.

08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0164	EA	4' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	2,996.59	891.97
08 33 23 11-0165	EA	4' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,214.65	941.54
08 33 23 11-0166	EA	4' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,736.61	980.71
08 33 23 11-0167	EA	6' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,653.13	1,040.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0168	EA	6' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,998.42	1,139.75
08 33 23 11-0169	EA	6' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,223.90	1,178.93
08 33 23 11-0170	EA	6' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,493.48	1,218.11
08 33 23 11-0171	EA	6' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,805.44	1,276.86
08 33 23 11-0172	EA	8' x 8', 0.04" Aluminum Overhead Coiling Door, Chain Lift	3,983.22	1,114.97
08 33 23 11-0173	EA	8' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,331.01	1,189.30
08 33 23 11-0174	EA	8' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,632.37	1,238.87
08 33 23 11-0175	EA	8' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,902.18	1,278.03
08 33 23 11-0176	EA	8' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,212.20	1,336.80
08 33 23 11-0177	EA	10' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	4,747.01	1,288.41
08 33 23 11-0178	EA	10' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,043.81	1,337.97
08 33 23 11-0179	EA	10' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,444.23	1,416.32
08 33 23 11-0180	EA	10' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,924.34	1,533.84
08 33 23 11-0181	EA	10' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,656.82	1,690.53
08 33 23 11-0182	EA	10' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,467.55	1,886.40
08 33 23 11-0183	EA	10' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,352.62	2,121.44
08 33 23 11-0184	EA	10' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,317.22	2,395.65
08 33 23 11-0185	EA	12' x 10', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,038.85	1,337.97
08 33 23 11-0186	EA	12' x 12', 0.04" Aluminum Overhead Coiling Door, Chain Lift	5,602.34	1,381.06
08 33 23 11-0187	EA	12' x 14', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,131.01	1,459.41
08 33 23 11-0188	EA	12' x 16', 0.04" Aluminum Overhead Coiling Door, Chain Lift	6,740.27	1,576.93
08 33 23 11-0189	EA	12' x 18', 0.04" Aluminum Overhead Coiling Door, Chain Lift	7,560.58	1,733.62
08 33 23 11-0190	EA	12' x 20', 0.04" Aluminum Overhead Coiling Door, Chain Lift	8,461.17	1,929.49
08 33 23 11-0191	EA	12' x 22', 0.04" Aluminum Overhead Coiling Door, Chain Lift	9,160.06	2,164.53
08 33 23 11-0192	EA	12' x 24', 0.04" Aluminum Overhead Coiling Door, Chain Lift	10,018.22	2,477.92

08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors *(08 33 23 11-0162)*

08 33 23 11-0194	EA	14' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	5,771.72	1,557.94
08 33 23 11-0195	EA	14' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,459.58	1,636.28
08 33 23 11-0196	EA	14' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,134.89	1,714.64
08 33 23 11-0197	EA	14' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,838.22	1,832.16
08 33 23 11-0198	EA	14' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,660.81	1,988.84
08 33 23 11-0199	EA	14' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,483.34	2,145.54
08 33 23 11-0200	EA	14' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,395.24	2,341.41
08 33 23 11-0201	EA	14' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,385.62	2,576.45
08 33 23 11-0202	EA	16' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	6,718.46	1,791.63
08 33 23 11-0203	EA	16' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,436.17	1,869.98
08 33 23 11-0204	EA	16' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,125.61	1,948.33
08 33 23 11-0205	EA	16' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,913.82	2,065.85
08 33 23 11-0206	EA	16' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,836.97	2,222.54
08 33 23 11-0207	EA	16' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,807.25	2,379.23
08 33 23 11-0208	EA	16' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,818.13	2,575.10
08 33 23 11-0209	EA	16' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,858.68	2,810.14
08 33 23 11-0210	EA	18' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	7,513.74	2,015.59
08 33 23 11-0211	EA	18' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,280.19	2,093.94
08 33 23 11-0212	EA	18' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,196.30	2,211.46
08 33 23 11-0213	EA	18' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,178.53	2,368.15
08 33 23 11-0214	EA	18' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,249.16	2,564.03
08 33 23 11-0215	EA	18' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,391.86	2,799.06
08 33 23 11-0216	EA	18' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,611.33	3,073.27
08 33 23 11-0217	EA	18' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,915.43	3,386.66
08 33 23 11-0218	EA	20' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	8,589.88	2,317.94
08 33 23 11-0219	EA	20' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	9,370.46	2,396.28
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,647.40	2,513.80
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,576.86	2,670.50
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,732.34	2,866.36
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,994.45	3,101.40
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,284.62	3,375.61
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,686.18	3,689.00
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	10,144.30	2,743.97
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,177.66	2,861.49
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	12,601.23	3,117.47
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,727.29	3,234.99
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,930.18	3,391.67
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	16,144.03	3,548.37
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,376.53	3,744.23
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,695.21	3,979.27
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,178.77	3,018.35
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift	11,814.77	3,096.70
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift	13,294.71	3,175.05
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift	14,549.65	3,292.57
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift	15,818.51	3,449.26
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift	17,087.40	3,605.95
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift	18,598.04	3,801.82
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift	20,234.21	4,036.86

08 33 23 11-0242 Overhead Coiling Door Accessories *(08 33 23 11)*

08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only	5.66	1.67
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors	35.58	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors	33.94	2.00
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors	312.78	83.41
08 33 23 11-0247	LF	3" High Vision Lites, 5/8" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	16.98	
08 33 23 11-0248	LF	10" High Vision Lites, 1" Insulated Glazing With Wind Lock For Overhead Coiling Doors Note: Additional cost for factory supplied.	67.90	
08 33 23 11-0249	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	1,938.28	266.92
08 33 23 11-0250	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,439.25	266.92
08 33 23 11-0251	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,293.15	300.28
08 33 23 11-0252	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes three button inside station controls and mounting hardware.	2,704.46	300.28
08 33 23 11-0253	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,948.60	333.64
08 33 23 11-0254	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	3,198.12	333.64
08 33 23 11-0255	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles	85.35	
08 33 23 11-0256	EA	Remote Transmitter Kit For Coiling Door Operators	417.02	133.46

08 33 23 11-0257 Removal And Reinstallation Of Roll-Up Door And Support *(08 33 23 11)*

Note: Includes storage, cleaning and supply materials.

08 33 23 11-0258	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports	28.38	

08 33 23 13 Overhead Rapid Coiling Doors *(08 33 23)*

Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0965 for forklift.

08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13)*

Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.

08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0001)*

08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,448.65	488.45
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,743.95	511.14
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,037.33	533.83
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,328.76	556.52
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,624.08	579.21
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,917.45	601.90

08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	5,743.95	511.14
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,037.33	533.83
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,328.76	556.52
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,624.08	579.21
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,917.45	601.90
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,210.83	624.58

08 33 23 13-0017 7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,037.33	533.83
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,328.76	556.52
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,624.08	579.21
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,917.45	601.90
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,210.83	624.58
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,506.15	647.27

08 33 23 13-0024 8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) *(08 33 23 13-0002)*

08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,328.76	556.52
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,624.08	579.21
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,917.45	601.90
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,210.83	624.58
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,506.15	647.27
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,797.58	669.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0031		**9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)** *(08 33 23 13-0002)*		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,624.08	579.21
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,917.45	601.90
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,210.83	624.58
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,506.15	647.27
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,797.58	669.96
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,092.89	692.64
08 33 23 13-0038		**10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)** *(08 33 23 13-0002)*		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	6,917.45	601.90
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,210.83	624.58
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,506.15	647.27
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	7,797.58	669.96
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,092.89	692.64
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®)	8,386.26	715.33
08 33 23 13-0045		**Rytec® Bantam® Door Options** *(08 33 23 13-0001)*		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	12.11	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors	26.64	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	38.75	
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors	368.12	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors	714.71	66.72
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors	714.71	66.72
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.	3,027.85	133.46
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator Note: Includes open/close/stop control.	385.33	66.72
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator	375.65	66.72
08 33 23 13-0055		**2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13)* Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		
08 33 23 13-0056		**2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0055)*		
08 33 23 13-0057		**6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,646.55	533.83
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,917.96	556.52
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,230.64	579.21
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,665.30	601.90
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,108.95	624.58
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,853.98	647.27
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,383.72	669.96
08 33 23 13-0065		**7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	16,977.16	556.52
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,322.13	579.21
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,755.00	601.90
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,213.00	624.58
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,816.30	647.27
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,543.38	669.96
08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,117.99	692.64
08 33 23 13-0073		**8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)** *(08 33 23 13-0056)*		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,379.54	579.21
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,810.62	601.90
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,286.55	624.58
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,907.80	647.27
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,468.04	669.96
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,259.71	692.64
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,909.65	715.33

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0081		9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	17,869.82	601.90
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,342.16	624.58
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,963.41	647.27
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,541.59	669.96
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,148.49	692.64
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,778.69	715.33
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,469.90	738.02
08 33 23 13-0089		10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	18,388.81	624.58
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,022.61	647.27
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,595.41	669.96
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,207.69	692.64
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,886.33	715.33
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,025.00	738.02
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,177.25	760.70
08 33 23 13-0097		11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,056.70	647.27
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,643.85	669.96
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,263.30	692.64
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,943.74	715.33
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,390.97	738.02
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,274.12	760.70
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,997.63	783.39
08 33 23 13-0105		12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®) *(08 33 23 13-0056)*		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	19,659.99	669.96
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,295.59	692.64
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	20,988.59	715.33
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	21,451.96	738.02
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	22,060.64	760.70
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,080.15	783.39
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®)	23,789.30	806.08
08 33 23 13-0113		Rytec® PredaDoor® Door Options *(08 33 23 13-0055)*		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	849.96	133.46
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors	1,235.67	133.46
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors	14.53	
08 33 23 13-0117		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13)*		
		Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tension system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
08 33 23 13-0118		3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0117)*		
08 33 23 13-0119		8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,289.78	1,201.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0121	EA	8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,436.02	1,235.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0122	EA	8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,435.16	1,269.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0123	EA	8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,509.65	1,303.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0124	EA	8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,727.65	1,337.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0125	EA	8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,367.99	1,371.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0126	EA	8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,367.12	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0127	EA	8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,258.04	1,441.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0128	EA	8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,675.69	1,479.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0129	EA	8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,822.12	1,517.79
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0130	EA	8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,241.78	1,557.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,200.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*3,300.00*	
08 33 23 13-0131		9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0132	EA	9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,436.02	1,235.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0133	EA	9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,435.16	1,269.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0134	EA	9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,509.65	1,303.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0135	EA	9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,727.65	1,337.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,367.99	1,371.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,367.12	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,655.08	1,439.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,675.69	1,479.33
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,822.12	1,517.79
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,241.78	1,557.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,932.82	1,597.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*2,750.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,125.00*	
08 33 23 13-0143		10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,435.16	1,269.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,509.65	1,303.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,727.65	1,337.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,367.99	1,371.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,367.12	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,655.08	1,439.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,871.30	1,473.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0151	EA	10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,820.64	1,517.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0152	EA	10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,240.26	1,556.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0153	EA	10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,931.26	1,596.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	
08 33 23 13-0154	EA	10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,356.99	1,638.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,300.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*4,950.00*	

08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0156	EA	11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,509.65	1,303.21
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0157	EA	11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,727.65	1,337.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0158	EA	11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,367.99	1,371.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0159	EA	11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,367.12	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0160	EA	11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,655.08	1,439.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0161	EA	11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,871.30	1,473.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0162	EA	11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,231.02	1,507.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0163	EA	11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,236.62	1,554.68
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0164	EA	11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,927.53	1,595.10
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0165	EA	11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,353.16	1,636.57
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,046.38	1,679.12
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*3,850.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*5,775.00*	

08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,727.65	1,337.24
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,367.99	1,371.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,367.12	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,655.08	1,439.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,871.30	1,473.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,231.02	1,507.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,208.63	1,541.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,921.94	1,592.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,347.41	1,633.70
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,040.48	1,676.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,735.76	1,719.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,400.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,600.00*	

08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,107.10	1,371.27
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0181	EA	13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,384.30	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0182	EA	13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,595.13	1,439.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0183	EA	13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,001.50	1,473.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0184	EA	13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,402.49	1,507.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0185	EA	13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,442.88	1,541.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0186	EA	13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,233.92	1,575.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0187	EA	13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,450.53	1,630.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0188	EA	13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,145.35	1,672.41
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0189	EA	13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,848.18	1,715.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	
08 33 23 13-0190	EA	13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,347.91	1,760.51
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*4,950.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*6,975.00*	

08 33 23 13-0191 14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0192	EA	14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,384.30	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0193	EA	14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,595.13	1,439.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0194	EA	14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	35,001.50	1,473.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0195	EA	14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,402.49	1,507.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,442.88	1,541.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,233.92	1,575.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,408.87	1,609.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,135.90	1,667.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,838.48	1,711.06
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,337.96	1,755.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,600.91	1,801.19
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*5,480.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,370.00*	

08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	33,527.64	1,405.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,934.51	1,439.34
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,335.58	1,473.37
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,376.26	1,507.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,167.00	1,541.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,341.38	1,575.47
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,093.54	1,646.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,828.48	1,706.05
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,327.70	1,750.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,590.38	1,795.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,886.70	1,842.62
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0215 16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0216	EA	16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,997.23	1,470.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0217	EA	16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,401.46	1,506.31
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0218	EA	16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,445.31	1,541.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0219	EA	16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,239.22	1,577.54
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0220	EA	16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,416.76	1,613.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0221	EA	16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,098.05	1,648.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0222	EA	16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,785.15	1,684.38
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0223	EA	16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,317.46	1,745.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0224	EA	16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,579.88	1,790.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0225	EA	16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,875.93	1,837.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	
08 33 23 13-0226	EA	16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,186.02	1,884.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,070.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*7,790.00*	

08 33 23 13-0227 17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0228	EA	17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	36,269.99	1,504.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0229	EA	17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,443.36	1,540.96
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0230	EA	17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	38,862.79	1,577.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0231	EA	17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	40,421.71	1,613.82
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,852.77	1,650.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	43,979.38	1,686.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,028.49	1,723.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	47,569.41	1,785.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,865.19	1,831.85
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,175.00	1,879.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,415.60	1,928.35
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	37,815.57	1,539.13
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,364.55	1,576.39
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,051.09	1,613.67
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,731.82	1,650.94
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,484.23	1,688.22
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,972.90	1,725.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,531.31	1,762.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,794.16	1,826.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,164.01	1,873.99
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0249	EA	18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,340.38	1,922.71
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0250	EA	18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,587.11	1,972.69
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
		For 304 Stainless Steel Side Frame Tower, Add	*6,720.00*	
		For 316 Stainless Steel Side Frame Tower, Add	*8,230.00*	
08 33 23 13-0251		19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*		
08 33 23 13-0252	EA	19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	39,360.80	1,574.52
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0253	EA	19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,049.06	1,612.65
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0254	EA	19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,731.50	1,650.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0255	EA	19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,485.63	1,688.91
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0256	EA	19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,976.01	1,727.04
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0257	EA	19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,536.14	1,765.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0258	EA	19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,747.77	1,803.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0259	EA	19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,153.05	1,868.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0260	EA	19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,329.14	1,917.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0261	EA	19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,575.57	1,966.93
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0262	EA	19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,824.60	2,018.07
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0264	EA	20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	41,045.24	1,610.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0265	EA	20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	42,729.43	1,649.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0266	EA	20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	44,485.31	1,688.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0267	EA	20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	46,977.45	1,727.75
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0268	EA	20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	49,539.33	1,766.76
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0269	EA	20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	50,752.71	1,805.77
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0270	EA	20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	52,105.60	1,844.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0271	EA	20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	54,317.93	1,911.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0272	EA	20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,564.07	1,961.18
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0273	EA	20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,812.79	2,012.17
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0274	EA	20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,792.92	2,064.48
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0276	EA	21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	51,307.42	1,727.59
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0277	EA	21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,801.34	1,767.49
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0278	EA	21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	56,363.07	1,807.40
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0279	EA	21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,582.12	1,847.30
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0280	EA	21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,934.87	1,887.20
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0281	EA	21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,150.28	1,955.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0282	EA	21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,398.71	2,006.29
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0283	EA	21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,649.77	2,058.45
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0284	EA	21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,632.30	2,111.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0286	EA	22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	53,262.37	1,767.32
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0287	EA	22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,760.07	1,808.15
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0288	EA	22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	58,321.70	1,848.97
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0289	EA	22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,540.66	1,889.79
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0290	EA	22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,899.11	1,930.61
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0291	EA	22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,117.66	2,000.42
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0292	EA	22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,368.42	2,052.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0293	EA	22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,619.95	2,105.79
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0294	EA	22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,606.88	2,160.55
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0296	EA	23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	55,221.10	1,807.98
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0297	EA	23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,718.74	1,849.74
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0298	EA	23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	60,284.19	1,891.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0299	EA	23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	61,505.02	1,933.26
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0300	EA	23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,863.42	1,975.02
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0301	EA	23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	65,087.11	2,046.43
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0302	EA	23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,338.33	2,099.64
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0303	EA	23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,594.25	2,154.23
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0304	EA	23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	71,583.71	2,210.23
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) *(08 33 23 13-0118)*

08 33 23 13-0306	EA	24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	57,179.77	1,849.56
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0307	EA	24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	59,679.32	1,892.28
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0308	EA	24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	62,248.62	1,935.00
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0309	EA	24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	63,471.38	1,977.72
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0310	EA	24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	64,829.76	2,020.44
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0311	EA	24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	67,054.80	2,093.50
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0312	EA	24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	69,310.41	2,147.92
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0313	EA	24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	71,570.78	2,203.78
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	
08 33 23 13-0314	EA	24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	73,558.93	2,261.08
		For NEMA 4X Control Box, Add	*675.00*	
		For 2 Speed Motor, 60" Open, 30" Close, Add	*1,100.00*	
		For AC Variable Speed Motor And Controls, Add	*2,750.00*	

08 33 23 13-0315 Rytec® Fast-Seal® Door Options *(08 33 23 13-0117)*

08 33 23 13-0316	LF	Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Multiply linear foot price x width of door.	53.82
08 33 23 13-0317	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	583.04
08 33 23 13-0318	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	968.75
08 33 23 13-0319	EA	>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	1,424.63
08 33 23 13-0320	EA	>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors	2,131.24
08 33 23 13-0321	EA	One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	340.86
08 33 23 13-0322	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 90" wide.	672.74
08 33 23 13-0323	EA	Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 102" wide.	852.14
08 33 23 13-0324	EA	Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 136" wide.	1,345.48
08 33 23 13-0325	EA	One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors	394.67
08 33 23 13-0326	EA	Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 108" wide.	780.38
08 33 23 13-0327	EA	Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 144" wide.	968.75
08 33 23 13-0328	EA	Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors Note: Door must be at least 192" wide.	1,560.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0329	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10'	774.92	
		For 304 Stainless Steel, Add	*123.99*	
		For 316 Stainless Steel, Add	*542.44*	
08 33 23 13-0330	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14'	1,007.40	
		For 304 Stainless Steel, Add	*161.18*	
		For 316 Stainless Steel, Add	*705.18*	
08 33 23 13-0331	EA	Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18'	1,317.37	
		For 304 Stainless Steel, Add	*210.78*	
		For 316 Stainless Steel, Add	*922.16*	
08 33 23 13-0332	EA	Through Wall Brake Release	200.50	
08 33 23 13-0333	EA	Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons	22,240.35	
		For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	*-6,200.00*	

08 33 23 13-0334 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13)*

Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lb. polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.

08 33 23 13-0335 High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0334)*

08 33 23 13-0336 8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0337	EA	8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,402.14	1,201.12
08 33 23 13-0338	EA	8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,698.82	1,235.15
08 33 23 13-0339	EA	8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,222.20	1,269.18
08 33 23 13-0340	EA	8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,745.58	1,303.21
08 33 23 13-0341	EA	8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,270.89	1,337.24
08 33 23 13-0342	EA	8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,794.26	1,371.27
08 33 23 13-0343	EA	8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,089.01	1,405.31
08 33 23 13-0344	EA	8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,619.34	1,441.85
08 33 23 13-0345	EA	8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,604.93	1,479.33
08 33 23 13-0346	EA	8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,910.49	1,517.79
08 33 23 13-0347	EA	8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,673.34	1,557.26

08 33 23 13-0348 9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0349	EA	9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,698.82	1,235.15
08 33 23 13-0350	EA	9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,993.58	1,269.18
08 33 23 13-0351	EA	9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,518.89	1,303.21
08 33 23 13-0352	EA	9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,270.89	1,337.24
08 33 23 13-0353	EA	9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,565.64	1,371.27
08 33 23 13-0354	EA	9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,089.01	1,405.31
08 33 23 13-0355	EA	9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,614.32	1,439.34
08 33 23 13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,149.62	1,479.33
08 33 23 13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,365.80	1,517.79
08 33 23 13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,585.90	1,557.26
08 33 23 13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,806.13	1,597.75

08 33 23 13-0360 10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,361.45	1,269.18
08 33 23 13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,658.14	1,303.21
08 33 23 13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,181.51	1,337.24
08 33 23 13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,933.51	1,371.27
08 33 23 13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,456.88	1,405.31
08 33 23 13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,982.19	1,439.34
08 33 23 13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,505.57	1,473.37
08 33 23 13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,276.87	1,517.05
08 33 23 13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,266.39	1,556.50
08 33 23 13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,715.19	1,596.96
08 33 23 13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,939.42	1,638.48

08 33 23 13-0372 11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*

08 33 23 13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,429.52	1,303.21
08 33 23 13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,952.89	1,337.24
08 33 23 13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,478.20	1,371.27
08 33 23 13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,230.19	1,405.31
08 33 23 13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,753.56	1,439.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,276.94	1,473.37
08 33 23 13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,486.19	1,507.40
08 33 23 13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,946.67	1,554.68
08 33 23 13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,395.40	1,595.10
08 33 23 13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,846.21	1,636.58
08 33 23 13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,070.55	1,679.12
08 33 23 13-0384		12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,726.20	1,337.24
08 33 23 13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,249.57	1,371.27
08 33 23 13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,772.94	1,405.31
08 33 23 13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,524.94	1,439.34
08 33 23 13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,276.94	1,473.37
08 33 23 13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,712.88	1,507.40
08 33 23 13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,148.81	1,541.43
08 33 23 13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,618.42	1,592.30
08 33 23 13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,295.76	1,633.70
08 33 23 13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,748.60	1,676.17
08 33 23 13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,203.63	1,719.76
08 33 23 13-0396		13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,249.57	1,371.27
08 33 23 13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,546.26	1,405.31
08 33 23 13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,069.63	1,439.34
08 33 23 13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,050.26	1,473.37
08 33 23 13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,712.88	1,507.40
08 33 23 13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,377.43	1,541.43
08 33 23 13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,813.37	1,575.47
08 33 23 13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,517.08	1,630.03
08 33 23 13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,198.33	1,672.42
08 33 23 13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,879.85	1,715.91
08 33 23 13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,336.95	1,760.51
08 33 23 13-0408		14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,546.26	1,405.31
08 33 23 13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,841.00	1,439.34
08 33 23 13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,593.01	1,473.37
08 33 23 13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,028.94	1,507.40
08 33 23 13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,148.81	1,541.43
08 33 23 13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,813.37	1,575.47
08 33 23 13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,704.61	1,609.49
08 33 23 13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,415.55	1,667.70
08 33 23 13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,098.78	1,711.06
08 33 23 13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,782.31	1,755.53
08 33 23 13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,698.71	1,801.18
08 33 23 13-0420		15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,978.77	1,437.63
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,503.72	1,472.45
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,257.27	1,507.25
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,237.54	1,542.07
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,587.59	1,576.89
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,480.40	1,611.69
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,373.21	1,646.52
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,088.79	1,706.05
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,000.68	1,750.40
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,914.87	1,795.93
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,831.44	1,842.61
08 33 23 13-0432		16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) *(08 33 23 13-0335)*		
08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,271.59	1,470.70
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,026.76	1,506.31
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,781.94	1,541.92
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,676.34	1,577.53
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,254.68	1,613.15
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,151.02	1,648.77
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,045.45	1,684.38
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,990.44	1,745.28
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,904.37	1,790.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,820.66	1,837.22
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,968.01	1,884.99
08 33 23 13-0444		**17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,796.48	1,504.52
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,324.66	1,540.95
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,220.72	1,577.39
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,116.77	1,613.82
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,696.75	1,650.26
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,821.42	1,686.69
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,717.48	1,723.12
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,893.90	1,785.44
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,809.92	1,831.85
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,956.99	1,879.48
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,106.52	1,928.35
08 33 23 13-0456		**18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,321.00	1,539.13
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,850.87	1,576.40
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,432.52	1,613.68
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,558.88	1,650.93
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,140.55	1,688.21
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,266.89	1,725.48
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,621.87	1,762.76
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,799.21	1,826.50
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,945.99	1,873.99
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,095.24	1,922.71
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,247.04	1,972.70
08 33 23 13-0468		**19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,302.43	1,574.52
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,062.62	1,612.66
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,874.62	1,650.79
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,002.69	1,688.92
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,814.69	1,727.05
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,942.77	1,765.17
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,297.52	1,803.30
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,479.73	1,868.51
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,855.39	1,917.08
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,006.87	1,966.93
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,389.59	2,018.08
08 33 23 13-0480		**20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,742.74	1,610.74
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,504.68	1,649.74
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,089.81	1,688.76
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,448.26	1,727.75
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,262.01	1,766.76
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,618.53	1,805.77
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,976.96	1,844.78
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,388.86	1,911.48
08 33 23 13-0489	EA	20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,768.69	1,961.18
08 33 23 13-0490	EA	20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,149.16	2,012.16
08 33 23 13-0491	EA	20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,532.29	2,064.49
08 33 23 13-0492		**21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0493	EA	21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,045.45	1,647.78
08 33 23 13-0494	EA	21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,177.07	1,687.69
08 33 23 13-0495	EA	21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,308.68	1,727.59
08 33 23 13-0496	EA	21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,895.60	1,767.49
08 33 23 13-0497	EA	21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,711.14	1,807.40
08 33 23 13-0498	EA	21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,298.07	1,847.30
08 33 23 13-0499	EA	21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,656.37	1,887.21
08 33 23 13-0500	EA	21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,299.97	1,955.45
08 33 23 13-0501	EA	21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,682.08	2,006.29
08 33 23 13-0502	EA	21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,064.90	2,058.45
08 33 23 13-0503	EA	21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,679.05	2,111.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0504		**22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0505	EA	22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,576.56	1,685.69
08 33 23 13-0506	EA	22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,481.38	1,726.51
08 33 23 13-0507	EA	22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,756.02	1,767.32
08 33 23 13-0508	EA	22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,344.77	1,808.15
08 33 23 13-0509	EA	22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,388.85	1,848.97
08 33 23 13-0510	EA	22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,977.61	1,889.80
08 33 23 13-0511	EA	22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	58,339.68	1,930.61
08 33 23 13-0512	EA	22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,986.42	2,000.41
08 33 23 13-0513	EA	22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	63,597.55	2,052.42
08 33 23 13-0514	EA	22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	66,211.39	2,105.80
08 33 23 13-0515	EA	22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,828.01	2,160.54
08 33 23 13-0516		**23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0517	EA	23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,250.60	1,724.45
08 33 23 13-0518	EA	23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,928.68	1,766.22
08 33 23 13-0519	EA	23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,976.56	1,807.98
08 33 23 13-0520	EA	23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,795.81	1,849.74
08 33 23 13-0521	EA	23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	54,841.77	1,891.49
08 33 23 13-0522	EA	23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	57,432.41	1,933.25
08 33 23 13-0523	EA	23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	60,251.68	1,975.02
08 33 23 13-0524	EA	23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	62,901.62	2,046.44
08 33 23 13-0525	EA	23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	65,515.15	2,099.64
08 33 23 13-0526	EA	23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	68,360.08	2,154.23
08 33 23 13-0527	EA	23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,979.20	2,210.24
08 33 23 13-0528		**24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)** *(08 33 23 13-0335)*		
08 33 23 13-0529	EA	24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,697.80	1,764.12
08 33 23 13-0530	EA	24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,922.49	1,806.84
08 33 23 13-0531	EA	24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,427.60	1,849.56
08 33 23 13-0532	EA	24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,020.15	1,892.28
08 33 23 13-0533	EA	24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	56,296.64	1,935.00
08 33 23 13-0534	EA	24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	59,117.83	1,977.71
08 33 23 13-0535	EA	24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	61,937.09	2,020.44
08 33 23 13-0536	EA	24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	64,818.94	2,093.49
08 33 23 13-0537	EA	24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	67,434.92	2,147.93
08 33 23 13-0538	EA	24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	70,282.35	2,203.77
08 33 23 13-0539	EA	24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	73,132.69	2,261.08
08 33 23 13-0540		**Rytec® Powerhouse™ Door Options** *(08 33 23 13-0334)*		
08 33 23 13-0541	EA	Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	2,964.37	
08 33 23 13-0542	EA	9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,022.49	
08 33 23 13-0543	EA	10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,080.62	
08 33 23 13-0544	EA	11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,138.74	
08 33 23 13-0545	EA	12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,196.87	
08 33 23 13-0546	EA	13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,254.99	
08 33 23 13-0547	EA	14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,313.11	
08 33 23 13-0548	EA	15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,371.24	
08 33 23 13-0549	EA	16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,429.36	
08 33 23 13-0550	EA	17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,487.49	
08 33 23 13-0551	EA	18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,545.61	
08 33 23 13-0552	EA	19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,603.74	
08 33 23 13-0553	EA	20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,661.86	
08 33 23 13-0554	EA	21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,719.99	
08 33 23 13-0555	EA	22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,778.11	
08 33 23 13-0556	EA	23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,836.24	
08 33 23 13-0557	EA	24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors	3,894.36	
08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors	678.12	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door Note: Includes System 4 Controller In NEMA 4 Enclosure	1,666.24	
08 33 23 13-0560		**Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)** *(08 33 23 13)* Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.		
08 33 23 13-0561		**Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)** *(08 33 23 13-0560)*		
08 33 23 13-0562		**8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** *(08 33 23 13-0561)*		
08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	35,987.88	1,601.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,026.49	1,635.52
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,065.10	1,669.55
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,105.50	1,703.58
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,144.10	1,737.61
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,182.70	1,771.65
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,160.59	1,805.68
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,194.39	1,841.79
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,229.07	1,878.62
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,265.20	1,916.20
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,302.85	1,954.52
08 33 23 13-0574		9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	37,026.49	1,635.52
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,065.10	1,669.55
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,105.50	1,703.58
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,144.10	1,737.61
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,182.70	1,771.65
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,221.30	1,805.68
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,199.20	1,839.71
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,218.50	1,876.50
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,272.49	1,914.04
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,310.05	1,952.32
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,349.14	1,991.36
08 33 23 13-0586		10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	38,065.10	1,669.55
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,105.50	1,703.58
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,144.10	1,737.61
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,182.70	1,771.65
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,221.30	1,805.68
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,259.91	1,839.71
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,237.80	1,873.74
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,274.61	1,911.22
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,312.06	1,949.44
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,351.03	1,988.44
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,391.57	2,028.19
08 33 23 13-0598		11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	39,105.50	1,703.58
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,144.10	1,737.61
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,182.70	1,771.65
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,221.30	1,805.68
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,259.91	1,839.71
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,298.51	1,873.74
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,274.61	1,907.77
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,314.72	1,945.93
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,353.55	1,984.84
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,393.95	2,024.54
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,435.92	2,065.04
08 33 23 13-0610		12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	40,144.10	1,737.61
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,182.70	1,771.65
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,221.30	1,805.68
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,259.91	1,839.71
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,298.51	1,873.74
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,337.11	1,907.77
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,315.01	1,941.81
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,354.83	1,980.64
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,395.05	2,020.25
08 33 23 13-0620	EA	12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,436.86	2,060.66
08 33 23 13-0621	EA	12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,482.23	2,101.87
08 33 23 13-0622		13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0623	EA	13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	41,182.70	1,771.65
08 33 23 13-0624	EA	13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	42,221.30	1,805.68
08 33 23 13-0625	EA	13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	43,259.91	1,839.71
08 33 23 13-0626	EA	13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,298.51	1,873.74
08 33 23 13-0627	EA	13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,337.11	1,907.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0628	EA	13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,375.73	1,941.81
08 33 23 13-0629	EA	13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,353.62	1,975.83
08 33 23 13-0630	EA	13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,394.94	2,015.35
08 33 23 13-0631	EA	13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,436.54	2,055.65
08 33 23 13-0632	EA	13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,479.78	2,096.78
08 33 23 13-0633	EA	13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,524.63	2,138.71
08 33 23 13-0634		14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0635	EA	14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,160.59	1,805.68
08 33 23 13-0636	EA	14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,199.20	1,839.71
08 33 23 13-0637	EA	14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,237.80	1,873.74
08 33 23 13-0638	EA	14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,274.61	1,907.77
08 33 23 13-0639	EA	14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,315.01	1,941.81
08 33 23 13-0640	EA	14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,353.62	1,975.83
08 33 23 13-0641	EA	14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,383.26	2,009.87
08 33 23 13-0642	EA	14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,425.36	2,050.06
08 33 23 13-0643	EA	14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,468.35	2,091.07
08 33 23 13-0644	EA	14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,512.99	2,132.89
08 33 23 13-0645	EA	14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,559.32	2,175.54
08 33 23 13-0646		15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0647	EA	15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,194.39	1,841.79
08 33 23 13-0648	EA	15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,236.44	1,876.50
08 33 23 13-0649	EA	15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,274.61	1,911.22
08 33 23 13-0650	EA	15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,314.72	1,945.93
08 33 23 13-0651	EA	15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,354.83	1,980.64
08 33 23 13-0652	EA	15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,394.94	2,015.35
08 33 23 13-0653	EA	15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,425.36	2,050.06
08 33 23 13-0654	EA	15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,468.35	2,091.07
08 33 23 13-0655	EA	15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,512.99	2,132.89
08 33 23 13-0656	EA	15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,559.32	2,175.54
08 33 23 13-0657	EA	15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,607.33	2,219.06
08 33 23 13-0658		16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0659	EA	16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,229.07	1,878.62
08 33 23 13-0660	EA	16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,272.49	1,914.04
08 33 23 13-0661	EA	16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,312.06	1,949.44
08 33 23 13-0662	EA	16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,353.55	1,984.84
08 33 23 13-0663	EA	16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,395.05	2,020.25
08 33 23 13-0664	EA	16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,436.54	2,055.65
08 33 23 13-0665	EA	16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,468.35	2,091.07
08 33 23 13-0666	EA	16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,512.99	2,132.89
08 33 23 13-0667	EA	16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,559.32	2,175.54
08 33 23 13-0668	EA	16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,607.33	2,219.06
08 33 23 13-0669	EA	16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,659.02	2,263.44
08 33 23 13-0670		17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0671	EA	17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,265.20	1,916.20
08 33 23 13-0672	EA	17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,310.05	1,952.32
08 33 23 13-0673	EA	17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,351.03	1,988.44
08 33 23 13-0674	EA	17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,393.95	2,024.54
08 33 23 13-0675	EA	17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,436.86	2,060.66
08 33 23 13-0676	EA	17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,479.78	2,096.78
08 33 23 13-0677	EA	17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,512.99	2,132.89
08 33 23 13-0678	EA	17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,559.32	2,175.54
08 33 23 13-0679	EA	17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,607.33	2,219.06
08 33 23 13-0680	EA	17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,659.02	2,263.44
08 33 23 13-0681	EA	17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,710.56	2,308.71
08 33 23 13-0682		18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0683	EA	18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,517.91	1,954.52
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,562.27	1,991.36
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,606.63	2,028.19
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,649.04	2,065.04
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,695.35	2,101.87
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,737.76	2,138.71
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,774.38	2,175.54
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,822.39	2,219.06
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,872.15	2,263.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,923.68	2,308.71
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,977.03	2,354.89
08 33 23 13-0694		19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,876.78	1,993.62
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,924.54	2,031.19
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,968.45	2,068.76
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,014.28	2,106.33
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,060.11	2,143.91
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,105.93	2,181.48
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,142.08	2,219.06
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,191.83	2,263.44
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,243.37	2,308.71
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,296.72	2,354.89
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,353.85	2,401.98
08 33 23 13-0706		20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®) *(08 33 23 13-0561)*		
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,558.30	2,033.89
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,608.33	2,071.26
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,653.14	2,109.97
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,701.24	2,148.67
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,747.98	2,187.36
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	56,794.75	2,224.74
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	57,833.14	2,263.44
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	58,884.89	2,308.81
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	59,937.98	2,355.52
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	60,993.74	2,402.23
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	62,050.81	2,450.28
08 33 23 13-0718		Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0560)*		
08 33 23 13-0719		8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,098.87	1,067.66
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,892.33	1,090.35
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,685.79	1,113.03
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,475.68	1,135.72
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,269.14	1,158.41
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,062.61	1,181.09
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,333.36	1,203.78
08 33 23 13-0727		9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,892.33	1,090.35
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,685.79	1,113.03
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,475.68	1,135.72
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,269.14	1,158.41
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,062.61	1,181.09
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,856.06	1,203.78
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,126.82	1,226.48
08 33 23 13-0735		10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,685.79	1,113.03
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,475.68	1,135.72
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,269.14	1,158.41
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,062.61	1,181.09
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,856.06	1,203.78
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,649.53	1,226.48
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,920.28	1,249.16
08 33 23 13-0743		11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,475.68	1,135.72
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,269.14	1,158.41
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,062.61	1,181.09
08 33 23 13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,856.06	1,203.78
08 33 23 13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,649.53	1,226.48
08 33 23 13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,442.99	1,249.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,710.15	1,271.85
08 33 23 13-0751		12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	39,269.14	1,158.41
08 33 23 13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,062.61	1,181.09
08 33 23 13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,856.06	1,203.78
08 33 23 13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,649.53	1,226.48
08 33 23 13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,442.99	1,249.16
08 33 23 13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,236.45	1,271.85
08 33 23 13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,503.63	1,294.54
08 33 23 13-0759		13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,062.61	1,181.09
08 33 23 13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	40,856.06	1,203.78
08 33 23 13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	41,649.53	1,226.48
08 33 23 13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	42,442.99	1,249.16
08 33 23 13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	43,236.45	1,271.85
08 33 23 13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	44,029.93	1,294.54
08 33 23 13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,297.09	1,317.23
08 33 23 13-0767		14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) *(08 33 23 13-0718)*		
08 33 23 13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	48,333.36	1,203.78
08 33 23 13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,126.82	1,226.48
08 33 23 13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	49,920.28	1,249.16
08 33 23 13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	50,710.15	1,271.85
08 33 23 13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	51,503.63	1,294.54
08 33 23 13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	52,297.09	1,317.23
08 33 23 13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	53,090.56	1,339.91
08 33 23 13-0775		Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0560)*		
08 33 23 13-0776		8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,535.28	1,067.66
08 33 23 13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,328.74	1,090.35
08 33 23 13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,122.20	1,113.03
08 33 23 13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,913.88	1,135.72
08 33 23 13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,707.34	1,158.41
08 33 23 13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,486.99	1,175.09
08 33 23 13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,911.44	1,181.09
08 33 23 13-0784		9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,328.74	1,090.35
08 33 23 13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,122.20	1,113.03
08 33 23 13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,913.88	1,135.72
08 33 23 13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,707.34	1,158.41
08 33 23 13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,499.01	1,181.09
08 33 23 13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,275.12	1,195.11
08 33 23 13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,017.52	1,203.78
08 33 23 13-0792		10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,122.20	1,113.03
08 33 23 13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,913.88	1,135.72
08 33 23 13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,707.34	1,158.41
08 33 23 13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,499.01	1,181.09
08 33 23 13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,292.47	1,203.78
08 33 23 13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,073.92	1,220.47
08 33 23 13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,033.44	1,226.48
08 33 23 13-0800		11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,913.88	1,135.72
08 33 23 13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,707.34	1,158.41
08 33 23 13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,499.01	1,181.09
08 33 23 13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,292.47	1,203.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,085.94	1,226.48
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,867.39	1,243.15
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,049.35	1,249.16
08 33 23 13-0808		12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,707.34	1,158.41
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,499.01	1,181.09
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,292.47	1,203.78
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,085.94	1,226.48
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,879.40	1,249.16
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,658.19	1,264.50
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,065.26	1,271.85
08 33 23 13-0816		13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,499.01	1,181.09
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,292.47	1,203.78
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,085.94	1,226.48
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,879.40	1,249.16
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,672.86	1,271.85
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,452.98	1,287.86
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	45,081.20	1,294.54
08 33 23 13-0824		14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) *(08 33 23 13-0775)*		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,956.81	1,203.78
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	43,972.73	1,226.48
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	44,988.64	1,249.16
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	46,002.76	1,271.85
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	47,020.48	1,294.54
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,024.38	1,311.21
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	48,036.39	1,317.23
08 33 23 13-0832		Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0560)*		
08 33 23 13-0833		8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,926.81	1,067.66
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,935.12	1,090.35
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,941.49	1,113.03
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,480.68	1,135.72
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,021.80	1,158.41
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,562.92	1,181.09
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,104.04	1,203.78
08 33 23 13-0841		9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,935.12	1,090.35
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,941.49	1,113.03
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,947.87	1,135.72
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,488.99	1,158.41
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,028.18	1,181.09
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,569.29	1,203.78
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,120.10	1,226.48
08 33 23 13-0849		10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,941.49	1,113.03
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,947.87	1,135.72
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,954.24	1,158.41
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,495.37	1,181.09
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,034.54	1,203.78
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,575.67	1,226.48
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,136.16	1,249.16
08 33 23 13-0857		11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) *(08 33 23 13-0832)*		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,947.87	1,135.72
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,954.24	1,158.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,960.62	1,181.09
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,501.73	1,203.78
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,042.86	1,226.48
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,582.04	1,249.16
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,150.28	1,271.85
08 33 23 13-0865		**12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0866	EA	12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,954.24	1,158.41
08 33 23 13-0867	EA	12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,960.62	1,181.09
08 33 23 13-0868	EA	12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,966.98	1,203.78
08 33 23 13-0869	EA	12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,508.11	1,226.48
08 33 23 13-0870	EA	12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,049.22	1,249.16
08 33 23 13-0871	EA	12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,588.40	1,271.85
08 33 23 13-0872	EA	12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,168.29	1,294.54
08 33 23 13-0873		**13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0874	EA	13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,960.62	1,181.09
08 33 23 13-0875	EA	13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,966.98	1,203.78
08 33 23 13-0876	EA	13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,973.36	1,226.48
08 33 23 13-0877	EA	13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	53,514.48	1,249.16
08 33 23 13-0878	EA	13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	55,055.59	1,271.85
08 33 23 13-0879	EA	13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,596.73	1,294.54
08 33 23 13-0880	EA	13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	58,184.34	1,317.23
08 33 23 13-0881		**14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)** *(08 33 23 13-0832)*		
08 33 23 13-0882	EA	14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,966.98	1,203.78
08 33 23 13-0883	EA	14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	51,973.36	1,226.48
08 33 23 13-0884	EA	14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	52,979.73	1,249.16
08 33 23 13-0885	EA	14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	54,520.84	1,271.85
08 33 23 13-0886	EA	14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	56,061.98	1,294.54
08 33 23 13-0887	EA	14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	57,603.09	1,317.23
08 33 23 13-0888	EA	14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	59,190.72	1,339.91
08 33 23 13-0889		**Rytec® Spiral® Door Options** *(08 33 23 13-0560)*		
08 33 23 13-0890	EA	Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Per door price.	583.04	
08 33 23 13-0891	EA	Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	394.67	
08 33 23 13-0892	EA	>13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	583.04	
08 33 23 13-0893	EA	Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	394.67	
08 33 23 13-0894	EA	>13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors Note: Maximum of 4 per door.	583.04	
08 33 23 13-0895	EA	Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors	1,102.21	66.72
08 33 23 13-0896	EA	Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	3,173.16	133.46
08 33 23 13-0897	EA	>13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	5,693.70	133.46
08 33 23 13-0898	EA	>16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors	6,474.08	133.46
08 33 23 13-0899	EA	Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors	678.12	
08 33 23 13-0900		**Activation And Control Box Options For High Speed Doors** *(08 33 23 13)*		
08 33 23 13-0901	EA	Pull Cord For High-Speed Rolling Doors	276.98	66.72
08 33 23 13-0902	EA	Emergency Stop, Pushbutton Control For High-Speed Rolling Doors	210.24	33.36
08 33 23 13-0903	EA	NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors	264.06	33.36
08 33 23 13-0904	EA	On/Off Selector Switch, Remote Control For High-Speed Rolling Doors	183.33	33.36
08 33 23 13-0905	EA	On/Off Key Switch, Remote Control For High-Speed Rolling Doors	282.00	33.36
08 33 23 13-0906	EA	Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors	461.39	33.36
08 33 23 13-0907	EA	Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors	506.24	33.36
08 33 23 13-0908	EA	Radio Control For High-Speed Rolling Doors Note: Includes one receiver and two transmitters.	783.22	60.06
08 33 23 13-0909	EA	Floor Loop For High-Speed Rolling Doors Note: Excludes sealant.	1,050.14	
08 33 23 13-0910	EA	Reflective Type Photo Eye For High-Speed Rolling Doors	675.06	60.06
08 33 23 13-0911	EA	Thru-Beam Type Photo Eye For High-Speed Rolling Doors	881.89	60.06
08 33 23 13-0912	EA	Motion Detector For High-Speed Rolling Doors	761.78	40.04
08 33 23 13-0913	EA	Remote Warning Horn For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	528.13	66.72
08 33 23 13-0914	EA	Remote Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	716.50	66.72
08 33 23 13-0915	EA	Remote Warning Horn And Strobe Light For High-Speed Rolling Doors Note: Includes wall box and mounting hardware.	815.17	66.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0916	EA	Red And Green Red Light For High-Speed Rolling Doors Note: Includes mounting hardware.	1,012.51	66.72

08 33 26 Overhead Coiling Grilles *(08 33)*

Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.
Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0965 for forklift.

08 33 26 00-0001 Galvanized Steel Overhead Coiling Grilles (Width x Height) *(08 33 26)*

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,019.62	240.53
		For Lexan Lattice Pattern, Add	*199.94*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*206.75*	
		For Staggered Brick Pattern, Add	*279.86*	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,257.46	240.53
		For Lexan Lattice Pattern, Add	*235.62*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*310.12*	
		For Staggered Brick Pattern, Add	*379.02*	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,728.38	300.66
		For Lexan Lattice Pattern, Add	*280.28*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*413.49*	
		For Staggered Brick Pattern, Add	*478.17*	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,071.38	300.66
		For Lexan Lattice Pattern, Add	*331.73*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*436.11*	
		For Staggered Brick Pattern, Add	*676.48*	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,294.16	481.06
		For Lexan Lattice Pattern, Add	*437.63*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*826.98*	
		For Staggered Brick Pattern, Add	*954.00*	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,338.15	601.32
		For Lexan Lattice Pattern, Add	*543.53*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,033.73*	
		For Staggered Brick Pattern, Add	*1,231.50*	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,694.19	721.57
		For Lexan Lattice Pattern, Add	*695.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,240.47*	
		For Staggered Brick Pattern, Add	*1,385.28*	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,161.54	881.93
		For Lexan Lattice Pattern, Add	*847.47*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,436.75*	
		For Staggered Brick Pattern, Add	*1,510.83*	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,192.01	240.53
		For Lexan Lattice Pattern, Add	*225.80*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*258.43*	
		For Staggered Brick Pattern, Add	*332.48*	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,507.22	240.53
		For Lexan Lattice Pattern, Add	*273.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*387.63*	
		For Staggered Brick Pattern, Add	*472.14*	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,004.39	300.66
		For Lexan Lattice Pattern, Add	*322.06*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*516.87*	
		For Staggered Brick Pattern, Add	*611.80*	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,433.96	300.66
		For Lexan Lattice Pattern, Add	*386.50*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*775.30*	
		For Staggered Brick Pattern, Add	*891.12*	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,771.59	481.06
		For Lexan Lattice Pattern, Add	*509.24*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,033.73*	
		For Staggered Brick Pattern, Add	*1,228.74*	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,927.84	601.32
		For Lexan Lattice Pattern, Add	*631.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,292.15*	
		For Staggered Brick Pattern, Add	*1,566.34*	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,406.66	721.57
		For Lexan Lattice Pattern, Add	*802.00*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,550.78*	
		For Staggered Brick Pattern, Add	*1,813.94*	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,261.67	881.93
		For Lexan Lattice Pattern, Add	*1,012.49*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,815.74*	
		For Staggered Brick Pattern, Add	*2,032.03*	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,389.42	240.53
		For Lexan Lattice Pattern, Add	*255.41*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*310.12*	
		For Staggered Brick Pattern, Add	*384.34*	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,446.57	240.53
		For Lexan Lattice Pattern, Add	*263.99*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*465.17*	
		For Staggered Brick Pattern, Add	*563.70*	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,987.88	300.66
		For Lexan Lattice Pattern, Add	*319.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*620.22*	
		For Staggered Brick Pattern, Add	*743.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,846.86	300.66
		For Lexan Lattice Pattern, Add	*448.05*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*930.32*	
		For Staggered Brick Pattern, Add	*1,101.81*	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,446.48	481.06
		For Lexan Lattice Pattern, Add	*610.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,240.46*	
		For Staggered Brick Pattern, Add	*1,531.84*	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,867.31	601.32
		For Lexan Lattice Pattern, Add	*772.91*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,550.58*	
		For Staggered Brick Pattern, Add	*1,961.85*	
08 33 26 00-0024	EA	24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,319.66	721.57
		For Lexan Lattice Pattern, Add	*938.95*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,860.71*	
		For Staggered Brick Pattern, Add	*2,074.39*	
08 33 26 00-0025	EA	30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,348.61	881.93
		For Lexan Lattice Pattern, Add	*1,175.53*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,156.28*	
		For Staggered Brick Pattern, Add	*2,260.07*	
08 33 26 00-0026	EA	4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,742.51	240.53
		For Lexan Lattice Pattern, Add	*308.38*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*361.67*	
		For Staggered Brick Pattern, Add	*710.87*	
08 33 26 00-0027	EA	6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,128.01	240.53
		For Lexan Lattice Pattern, Add	*366.20*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*542.61*	
		For Staggered Brick Pattern, Add	*872.86*	
08 33 26 00-0028	EA	8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,688.39	300.66
		For Lexan Lattice Pattern, Add	*424.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*723.54*	
		For Staggered Brick Pattern, Add	*1,016.38*	
08 33 26 00-0029	EA	12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,498.20	300.66
		For Lexan Lattice Pattern, Add	*546.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,085.41*	
		For Staggered Brick Pattern, Add	*1,288.84*	
08 33 26 00-0030	EA	16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,119.85	481.06
		For Lexan Lattice Pattern, Add	*711.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,447.22*	
		For Staggered Brick Pattern, Add	*1,724.23*	
08 33 26 00-0031	EA	20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,560.15	601.32
		For Lexan Lattice Pattern, Add	*876.83*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,809.01*	
		For Staggered Brick Pattern, Add	*2,159.62*	
08 33 26 00-0032	EA	24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,039.00	721.57
		For Lexan Lattice Pattern, Add	*1,046.85*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,170.82*	
		For Staggered Brick Pattern, Add	*2,449.26*	
08 33 26 00-0033	EA	30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift	11,520.51	881.93
		For Lexan Lattice Pattern, Add	*1,351.31*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,562.68*	
		For Staggered Brick Pattern, Add	*2,798.39*	

08 33 26 00-0034 Coiling Grilles Accessories *(08 33 26)*

08 33 26 00-0035	LF	For Overhead Framed Rolling Grille Supports	107.28	

08 33 36 Side Coiling Grilles *(08 33)*

08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) *(08 33 36)*

08 33 36 00-0002	EA	12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	3,509.43	672.56
		For Lexan Lattice Pattern, Add	*238.15*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*620.24*	
		For Staggered Brick Pattern, Add	*676.48*	
08 33 36 00-0003	EA	18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	4,799.58	863.94
		For Lexan Lattice Pattern, Add	*349.67*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*951.38*	
		For Staggered Brick Pattern, Add	*1,083.50*	
08 33 36 00-0004	EA	24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	6,174.18	1,089.35
		For Lexan Lattice Pattern, Add	*459.27*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,240.47*	
		For Staggered Brick Pattern, Add	*1,385.28*	
08 33 36 00-0005	EA	30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated	7,264.69	1,202.63
		For Lexan Lattice Pattern, Add	*574.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,436.75*	
		For Staggered Brick Pattern, Add	*1,510.83*	
08 33 36 00-0006	EA	12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	4,174.02	766.82
		For Lexan Lattice Pattern, Add	*297.48*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*775.30*	
		For Staggered Brick Pattern, Add	*891.12*	
08 33 36 00-0007	EA	18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	5,731.19	984.90
		For Lexan Lattice Pattern, Add	*437.35*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,141.81*	
		For Staggered Brick Pattern, Add	*1,353.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 36 00-0008	EA	24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	7,305.85	1,241.46
		For Lexan Lattice Pattern, Add	*563.65*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,550.78*	
		For Staggered Brick Pattern, Add	*1,813.94*	
08 33 36 00-0009	EA	30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated	8,715.90	1,371.00
		For Lexan Lattice Pattern, Add	*717.40*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,815.74*	
		For Staggered Brick Pattern, Add	*2,032.03*	
08 33 36 00-0010	EA	12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	4,848.99	863.94
		For Lexan Lattice Pattern, Add	*357.08*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*930.32*	
		For Staggered Brick Pattern, Add	*1,101.81*	
08 33 36 00-0011	EA	18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	6,674.79	1,109.63
		For Lexan Lattice Pattern, Add	*523.98*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,373.63*	
		For Staggered Brick Pattern, Add	*1,679.97*	
08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	8,569.64	1,399.06
		For Lexan Lattice Pattern, Add	*688.90*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,860.71*	
		For Staggered Brick Pattern, Add	*2,074.39*	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	10,152.87	1,543.38
		For Lexan Lattice Pattern, Add	*861.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,156.28*	
		For Staggered Brick Pattern, Add	*2,260.07*	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	5,510.50	955.23
		For Lexan Lattice Pattern, Add	*417.52*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,085.41*	
		For Staggered Brick Pattern, Add	*1,288.84*	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	7,612.81	1,226.69
		For Lexan Lattice Pattern, Add	*611.66*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*1,569.90*	
		For Staggered Brick Pattern, Add	*1,866.57*	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	9,763.37	1,546.58
		For Lexan Lattice Pattern, Add	*803.72*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,170.82*	
		For Staggered Brick Pattern, Add	*2,449.26*	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	11,572.20	1,707.73
		For Lexan Lattice Pattern, Add	*1,004.13*	
		For Aluminum With Clear Or Anodized Bronze Finish, Add	*2,562.68*	
		For Staggered Brick Pattern, Add	*2,798.39*	

08 33 43 Overhead Coiling Smoke Curtains *(08 33)*

08 33 43 00-0001 Elevator Smoke Guard *(08 33 43)*

08 33 43 00-0002	EA	Elevator Smoke Guard, 55" Width Housing (Smoke Guard 400)	15,620.88	672.56
08 33 43 00-0003	EA	Elevator Smoke Guard, 64" Width Housing (Smoke Guard 400)	16,200.80	672.56
08 33 43 00-0004	EA	Elevator Smoke Guard, 73" Width Housing (Smoke Guard 400)	16,780.73	672.56

08 34 Special Function Doors *(08 30)*

08 34 23 Sidewalk and Basement Doors *(08 34)*

08 34 23 00-0001 Drainage Doors *(08 34 23)*

08 34 23 00-0002 Single Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,287.17	237.69
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,569.15	248.36
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,663.17	253.70
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,827.64	259.04
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,121.41	272.39
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,159.02	266.11
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,395.18	272.39
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,498.42	278.66
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,734.61	284.93
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,165.38	300.94

08 34 23 00-0013 Double Leaf Aluminum Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,550.13	266.11
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,679.85	284.93
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,384.96	316.97
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,478.83	316.97

08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors *(08 34 23 00-0001)*

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,014.63	237.69
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,343.54	248.36
08 34 23 00-0021	EA	3' x 2' 6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,547.11	253.70
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,875.84	259.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,318.24	272.39
08 34 23 00-0024		**Double Leaf Aluminum H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,316.69	266.11
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,416.36	284.93
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,255.67	316.97
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,895.86	316.97
08 34 23 00-0029		**Single Leaf Steel Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J Series.		
08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	1,973.88	237.69
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,073.78	248.36
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,309.41	253.70
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,557.07	259.04
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,972.46	272.39
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,831.35	266.11
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,224.08	272.39
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,209.49	278.66
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,578.29	284.93
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,817.98	300.94
08 34 23 00-0040		**Double Leaf Steel Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD Series.		
08 34 23 00-0041	EA	4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,478.36	266.11
08 34 23 00-0042	EA	4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,650.18	284.93
08 34 23 00-0043	EA	4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,548.94	316.97
08 34 23 00-0044	EA	5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door	4,680.73	316.97
08 34 23 00-0045		**Single Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA	2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,363.76	237.69
08 34 23 00-0047	EA	2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,559.52	248.36
08 34 23 00-0048	EA	3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	3,687.35	253.70
08 34 23 00-0049	EA	3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	4,342.39	259.04
08 34 23 00-0050	EA	3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,117.25	272.39
08 34 23 00-0051		**Double Leaf Steel H2O Drainage Doors** *(08 34 23 00-0001)*		
		Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA	4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	5,635.07	266.11
08 34 23 00-0053	EA	4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	6,298.15	284.93
08 34 23 00-0054	EA	4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,353.62	316.97
08 34 23 00-0055	EA	5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door	9,113.98	316.97
08 34 23 00-0056		**Single Leaf Aluminum Drainage Door** *(08 34 23 00-0001)*		
		Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,130.07	237.69
08 34 23 00-0058	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,756.05	248.36
08 34 23 00-0059	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	3,995.54	253.70
08 34 23 00-0060	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,239.53	259.04
08 34 23 00-0061	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant	4,820.51	272.39
08 34 23 00-0062		**Non-Drainage Doors** *(08 34 23)*		
08 34 23 00-0063		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0064	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,240.35	237.69
08 34 23 00-0065	EA	2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,490.93	248.36
08 34 23 00-0066	EA	3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,592.87	253.70
08 34 23 00-0067	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,655.59	259.04
08 34 23 00-0068	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,066.66	272.39
08 34 23 00-0069	EA	2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,869.65	266.11
08 34 23 00-0070	EA	3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,082.30	272.39
08 34 23 00-0071	EA	2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,326.17	278.66
08 34 23 00-0072	EA	3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,460.95	284.93
08 34 23 00-0073	EA	3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,790.29	300.94
08 34 23 00-0074		**Single Leaf Aluminum Non-Drainage Doors** *(08 34 23 00-0062)*		
		Note: Bilco - K Series.		
08 34 23 00-0075	EA	2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,029.15	237.69
08 34 23 00-0076	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,224.98	248.36
08 34 23 00-0077	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,350.38	253.70
08 34 23 00-0078	EA	3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,436.57	259.04
08 34 23 00-0079	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	1,659.91	272.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0080		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0081	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,354.62	266.11
08 34 23 00-0082		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - KD Series.		
08 34 23 00-0083	EA	4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,265.39	284.93
08 34 23 00-0084	EA	4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,158.26	316.97
08 34 23 00-0085	EA	5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	3,220.84	316.97
08 34 23 00-0086		Single Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - T Series.		
08 34 23 00-0087	EA	2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,123.02	237.69
08 34 23 00-0088	EA	2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,303.20	248.36
08 34 23 00-0089	EA	3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,389.49	253.70
08 34 23 00-0090	EA	3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,514.79	259.04
08 34 23 00-0091	EA	3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	1,761.59	272.39
08 34 23 00-0092		Double Leaf Aluminum Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - TD Series.		
08 34 23 00-0093	EA	4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	2,398.37	284.93
08 34 23 00-0094	EA	4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,322.52	316.97
08 34 23 00-0095	EA	5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering	3,369.46	316.97
08 34 23 00-0096		Single Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - Q Series.		
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,350.94	237.69
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,510.64	248.36
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,698.43	253.70
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	1,802.26	259.04
08 34 23 00-0101	EA	2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door	2,053.87	259.04
08 34 23 00-0102		Double Leaf Steel Non-Drainage Doors *(08 34 23 00-0062)*		
		Note: Bilco - QD Series.		
08 34 23 00-0103	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door	2,723.51	266.11
08 34 23 00-0104		Basement Doors *(08 34 23)*		
		Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.		
08 34 23 00-0105	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal	1,855.66	300.28
08 34 23 00-0106	EA	30" High x 47" Wide x 58" Long, Basement Door	1,545.43	227.54
08 34 23 00-0107	EA	22" High x 51" Wide x 64" Long, Basement Door	1,607.60	250.23
08 34 23 00-0108	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door	1,717.69	266.92
08 34 23 00-0109	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door	1,901.81	300.28
08 34 53		**Security Doors and Frames** *(08 34)*		
08 34 53 00-0001		Metal Security Doors, Bullet Resistant *(08 34 53)*		
		Note: Includes door, frame, hardware hinges, lockset and cylinder, all UL 753 Listed.		
08 34 53 00-0002	SF	Metal Security Door	80.88	9.40
08 34 53 00-0003	EA	Up To 3' x 7' (.38 caliber) Medium-Small Arms Metal Security Door	3,314.43	469.02
08 34 53 00-0004	EA	Up To 3' x 7' (.44 caliber) Super-Small Arms Metal Security Door	3,931.72	497.89
08 34 53 00-0005		Metal Security Doors *(08 34 53)*		
		Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.		
08 34 53 00-0006	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O)	1,130.31	85.90
		Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.		
08 34 53 00-0007	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O)	1,130.31	85.90
		Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.		
08 34 53 00-0008	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O)	1,609.58	85.90
		Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.		
08 34 73		**Sound Control Door Assemblies** *(08 34)*		
08 34 73 13		**Metal Sound Control Door Assemblies** *(08 34 73)*		
08 34 73 13-0001		Steel Acoustical Door Assembly *(08 34 73 13)*		
		Note: Includes seal.		
08 34 73 13-0002		Steel Acoustical Doors *(08 34 73 13-0001)*		
		Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc. See CSI section 08 71 11 00-2087 for exit devices (panic bar).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	4,460.62	240.22
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*532.94*	
		For 45 Minutes Fire Rated, Add	*224.40*	
		For 60 Minutes Fire Rated, Add	*336.60*	
		For 90 Minutes Fire Rated, Add	*560.99*	
		For 120 Minutes Fire Rated, Add	*785.39*	
		For 45 STC Rating, Deduct	*-938.73*	
		For 48 STC Rating, Deduct	*-673.19*	
		For 52 STC Rating, Add	*523.59*	
		For 56 STC Rating, Add	*1,421.18*	
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	4,716.55	250.23
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*565.14*	
		For 45 Minutes Fire Rated, Add	*237.95*	
		For 60 Minutes Fire Rated, Add	*356.93*	
		For 90 Minutes Fire Rated, Add	*594.88*	
		For 120 Minutes Fire Rated, Add	*832.83*	
		For 45 STC Rating, Deduct	*-995.43*	
		For 48 STC Rating, Deduct	*-713.85*	
		For 52 STC Rating, Add	*555.22*	
		For 56 STC Rating, Add	*1,507.03*	
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	5,002.51	270.25
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*597.33*	
		For 45 Minutes Fire Rated, Add	*251.51*	
		For 60 Minutes Fire Rated, Add	*377.26*	
		For 90 Minutes Fire Rated, Add	*628.76*	
		For 120 Minutes Fire Rated, Add	*880.27*	
		For 45 STC Rating, Deduct	*-1,052.13*	
		For 48 STC Rating, Deduct	*-754.52*	
		For 52 STC Rating, Add	*586.85*	
		For 56 STC Rating, Add	*1,592.87*	
08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors, Unrated	8,849.18	456.42
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,065.89*	
		For 45 Minutes Fire Rated, Add	*448.79*	
		For 60 Minutes Fire Rated, Add	*673.19*	
		For 90 Minutes Fire Rated, Add	*1,121.99*	
		For 120 Minutes Fire Rated, Add	*1,570.78*	
		For 45 STC Rating, Deduct	*-1,877.46*	
		For 48 STC Rating, Deduct	*-1,346.38*	
		For 52 STC Rating, Add	*1,047.19*	
		For 56 STC Rating, Add	*2,842.37*	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door, Unrated	9,313.00	460.43
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,130.27*	
		For 45 Minutes Fire Rated, Add	*475.90*	
		For 60 Minutes Fire Rated, Add	*713.85*	
		For 90 Minutes Fire Rated, Add	*1,189.76*	
		For 120 Minutes Fire Rated, Add	*1,665.66*	
		For 45 STC Rating, Deduct	*-1,990.86*	
		For 48 STC Rating, Deduct	*-1,427.71*	
		For 52 STC Rating, Add	*1,110.44*	
		For 56 STC Rating, Add	*3,014.05*	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,001.55	150.81
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*604.89*	
		For 45 Minutes Fire Rated, Add	*254.69*	
		For 60 Minutes Fire Rated, Add	*382.04*	
		For 90 Minutes Fire Rated, Add	*636.73*	
		For 120 Minutes Fire Rated, Add	*891.42*	
		For 45 STC Rating, Deduct	*-1,065.46*	
		For 48 STC Rating, Deduct	*-764.07*	
		For 52 STC Rating, Add	*594.28*	
		For 56 STC Rating, Add	*1,613.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,288.65	262.91
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*641.43*	
		For 45 Minutes Fire Rated, Add	*270.08*	
		For 60 Minutes Fire Rated, Add	*405.11*	
		For 90 Minutes Fire Rated, Add	*675.19*	
		For 120 Minutes Fire Rated, Add	*945.26*	
		For 45 STC Rating, Deduct	*-1,129.81*	
		For 48 STC Rating, Deduct	*-810.23*	
		For 52 STC Rating, Add	*630.18*	
		For 56 STC Rating, Add	*1,710.48*	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	5,609.11	284.27
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	*1,569.74*	
		For Half Window Vision Lite, Add	*1,624.77*	
		For Full Window Vision Lite, Add	*1,679.79*	
		For 8' Height, Add	*677.97*	
		For 45 Minutes Fire Rated, Add	*285.46*	
		For 60 Minutes Fire Rated, Add	*428.19*	
		For 90 Minutes Fire Rated, Add	*713.65*	
		For 120 Minutes Fire Rated, Add	*999.11*	
		For 45 STC Rating, Deduct	*-1,194.17*	
		For 48 STC Rating, Deduct	*-856.38*	
		For 52 STC Rating, Add	*666.07*	
		For 56 STC Rating, Add	*1,807.91*	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors, Unrated	9,422.14	479.11
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,137.83*	
		For 45 Minutes Fire Rated, Add	*479.09*	
		For 60 Minutes Fire Rated, Add	*718.63*	
		For 90 Minutes Fire Rated, Add	*1,197.72*	
		For 120 Minutes Fire Rated, Add	*1,676.81*	
		For 45 STC Rating, Deduct	*-2,004.18*	
		For 48 STC Rating, Deduct	*-1,437.26*	
		For 52 STC Rating, Add	*1,117.87*	
		For 56 STC Rating, Add	*3,034.22*	
08 34 73 13-0012	PR	Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door, Unrated	9,917.78	483.11
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	*3,139.48*	
		For Pair Half Window Vision Lites, Add	*3,249.53*	
		For Pair Full Window Vision Lites, Add	*3,359.59*	
		For 8' Height, Add	*1,206.56*	
		For 45 Minutes Fire Rated, Add	*508.03*	
		For 60 Minutes Fire Rated, Add	*762.04*	
		For 90 Minutes Fire Rated, Add	*1,270.07*	
		For 120 Minutes Fire Rated, Add	*1,778.09*	
		For 45 STC Rating, Deduct	*-2,125.24*	
		For 48 STC Rating, Deduct	*-1,524.08*	
		For 52 STC Rating, Add	*1,185.39*	
		For 56 STC Rating, Add	*3,217.50*	

08 34 73 13-0013 Steel Acoustical Door Frames *(08 34 73 13-0001)*

Note: Includes threshold and rating up to STC 55.

08 34 73 13-0014	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,171.68	133.46
		For 8' Height, Add	*303.35*	
		For 45 Minutes Fire Rated, Add	*184.65*	
		For 60 Minutes Fire Rated, Add	*316.54*	
		For 90 Minutes Fire Rated, Add	*448.43*	
		For 120 Minutes Fire Rated, Add	*633.08*	
08 34 73 13-0015	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,246.41	133.46
		For 8' Height, Add	*311.95*	
		For 45 Minutes Fire Rated, Add	*189.88*	
		For 60 Minutes Fire Rated, Add	*325.51*	
		For 90 Minutes Fire Rated, Add	*461.14*	
		For 120 Minutes Fire Rated, Add	*651.02*	
08 34 73 13-0016	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,321.13	133.46
		For 8' Height, Add	*320.54*	
		For 45 Minutes Fire Rated, Add	*195.11*	
		For 60 Minutes Fire Rated, Add	*334.48*	
		For 90 Minutes Fire Rated, Add	*473.84*	
		For 120 Minutes Fire Rated, Add	*668.95*	
08 34 73 13-0017	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,395.85	133.46
		For 8' Height, Add	*329.13*	
		For 45 Minutes Fire Rated, Add	*200.34*	
		For 60 Minutes Fire Rated, Add	*343.44*	
		For 90 Minutes Fire Rated, Add	*486.54*	
		For 120 Minutes Fire Rated, Add	*686.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0018	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,614.31	146.81
		For 8' Height, Add	*348.12*	
		For 45 Minutes Fire Rated, Add	*211.90*	
		For 60 Minutes Fire Rated, Add	*363.25*	
		For 90 Minutes Fire Rated, Add	*514.61*	
		For 120 Minutes Fire Rated, Add	*726.50*	
08 34 73 13-0019	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,697.72	146.81
		For 8' Height, Add	*357.71*	
		For 45 Minutes Fire Rated, Add	*217.74*	
		For 60 Minutes Fire Rated, Add	*373.26*	
		For 90 Minutes Fire Rated, Add	*528.79*	
		For 120 Minutes Fire Rated, Add	*746.52*	
08 34 73 13-0020	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,772.45	146.81
		For 8' Height, Add	*366.30*	
		For 45 Minutes Fire Rated, Add	*222.97*	
		For 60 Minutes Fire Rated, Add	*382.23*	
		For 90 Minutes Fire Rated, Add	*541.49*	
		For 120 Minutes Fire Rated, Add	*764.46*	
08 34 73 13-0021	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	3,865.12	146.81
		For 8' Height, Add	*376.96*	
		For 45 Minutes Fire Rated, Add	*229.45*	
		For 60 Minutes Fire Rated, Add	*393.35*	
		For 90 Minutes Fire Rated, Add	*557.24*	
		For 120 Minutes Fire Rated, Add	*786.70*	
08 34 73 13-0022	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,049.38	153.47
		For 8' Height, Add	*395.08*	
		For 45 Minutes Fire Rated, Add	*240.48*	
		For 60 Minutes Fire Rated, Add	*412.26*	
		For 90 Minutes Fire Rated, Add	*584.03*	
		For 120 Minutes Fire Rated, Add	*824.51*	
08 34 73 13-0023	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,124.10	153.47
		For 8' Height, Add	*403.67*	
		For 45 Minutes Fire Rated, Add	*245.71*	
		For 60 Minutes Fire Rated, Add	*421.22*	
		For 90 Minutes Fire Rated, Add	*596.73*	
		For 120 Minutes Fire Rated, Add	*842.45*	
08 34 73 13-0024	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,198.82	153.47
		For 8' Height, Add	*412.26*	
		For 45 Minutes Fire Rated, Add	*250.94*	
		For 60 Minutes Fire Rated, Add	*430.19*	
		For 90 Minutes Fire Rated, Add	*609.43*	
		For 120 Minutes Fire Rated, Add	*860.38*	
08 34 73 13-0025	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame	4,282.23	153.47
		For 8' Height, Add	*421.86*	
		For 45 Minutes Fire Rated, Add	*256.78*	
		For 60 Minutes Fire Rated, Add	*440.20*	
		For 90 Minutes Fire Rated, Add	*623.61*	
		For 120 Minutes Fire Rated, Add	*880.40*	
08 34 73 13-0026	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	6,946.29	173.50
		For 8' Height, Add	*719.02*	
		For 45 Minutes Fire Rated, Add	*437.66*	
		For 60 Minutes Fire Rated, Add	*750.28*	
		For 90 Minutes Fire Rated, Add	*1,062.89*	
		For 120 Minutes Fire Rated, Add	*1,500.55*	
08 34 73 13-0027	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,017.53	173.50
		For 8' Height, Add	*727.21*	
		For 45 Minutes Fire Rated, Add	*442.65*	
		For 60 Minutes Fire Rated, Add	*758.83*	
		For 90 Minutes Fire Rated, Add	*1,075.00*	
		For 120 Minutes Fire Rated, Add	*1,517.65*	
08 34 73 13-0028	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,093.99	173.50
		For 8' Height, Add	*736.00*	
		For 45 Minutes Fire Rated, Add	*448.00*	
		For 60 Minutes Fire Rated, Add	*768.00*	
		For 90 Minutes Fire Rated, Add	*1,088.00*	
		For 120 Minutes Fire Rated, Add	*1,536.00*	
08 34 73 13-0029	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,172.19	173.50
		For 8' Height, Add	*744.99*	
		For 45 Minutes Fire Rated, Add	*453.47*	
		For 60 Minutes Fire Rated, Add	*777.39*	
		For 90 Minutes Fire Rated, Add	*1,101.30*	
		For 120 Minutes Fire Rated, Add	*1,554.77*	
08 34 73 13-0030	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,441.90	180.17
		For 8' Height, Add	*772.94*	
		For 45 Minutes Fire Rated, Add	*470.49*	
		For 60 Minutes Fire Rated, Add	*806.55*	
		For 90 Minutes Fire Rated, Add	*1,142.61*	
		For 120 Minutes Fire Rated, Add	*1,613.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0031	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,518.49	180.17
		For 8' Height, Add	*781.75*	
		For 45 Minutes Fire Rated, Add	*475.85*	
		For 60 Minutes Fire Rated, Add	*815.74*	
		For 90 Minutes Fire Rated, Add	*1,155.63*	
		For 120 Minutes Fire Rated, Add	*1,631.48*	
08 34 73 13-0032	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,600.68	180.17
		For 8' Height, Add	*791.20*	
		For 45 Minutes Fire Rated, Add	*481.60*	
		For 60 Minutes Fire Rated, Add	*825.60*	
		For 90 Minutes Fire Rated, Add	*1,169.60*	
		For 120 Minutes Fire Rated, Add	*1,651.20*	
08 34 73 13-0033	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,684.75	180.17
		For 8' Height, Add	*800.87*	
		For 45 Minutes Fire Rated, Add	*487.49*	
		For 60 Minutes Fire Rated, Add	*835.69*	
		For 90 Minutes Fire Rated, Add	*1,183.89*	
		For 120 Minutes Fire Rated, Add	*1,671.38*	
08 34 73 13-0034	EA	3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,464.78	133.46
		For 8' Height, Add	*337.06*	
		For 45 Minutes Fire Rated, Add	*205.17*	
		For 60 Minutes Fire Rated, Add	*351.71*	
		For 90 Minutes Fire Rated, Add	*498.26*	
		For 120 Minutes Fire Rated, Add	*703.43*	
08 34 73 13-0035	EA	3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,547.80	133.46
		For 8' Height, Add	*346.61*	
		For 45 Minutes Fire Rated, Add	*210.98*	
		For 60 Minutes Fire Rated, Add	*361.68*	
		For 90 Minutes Fire Rated, Add	*512.37*	
		For 120 Minutes Fire Rated, Add	*723.35*	
08 34 73 13-0036	EA	3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,630.83	133.46
		For 8' Height, Add	*356.16*	
		For 45 Minutes Fire Rated, Add	*216.79*	
		For 60 Minutes Fire Rated, Add	*371.64*	
		For 90 Minutes Fire Rated, Add	*526.49*	
		For 120 Minutes Fire Rated, Add	*743.28*	
08 34 73 13-0037	EA	3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,713.85	133.46
		For 8' Height, Add	*365.70*	
		For 45 Minutes Fire Rated, Add	*222.60*	
		For 60 Minutes Fire Rated, Add	*381.60*	
		For 90 Minutes Fire Rated, Add	*540.60*	
		For 120 Minutes Fire Rated, Add	*763.20*	
08 34 73 13-0038	EA	3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	3,950.66	146.81
		For 8' Height, Add	*386.80*	
		For 45 Minutes Fire Rated, Add	*235.44*	
		For 60 Minutes Fire Rated, Add	*403.61*	
		For 90 Minutes Fire Rated, Add	*571.79*	
		For 120 Minutes Fire Rated, Add	*807.23*	
08 34 73 13-0039	EA	3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,043.34	146.81
		For 8' Height, Add	*397.45*	
		For 45 Minutes Fire Rated, Add	*241.93*	
		For 60 Minutes Fire Rated, Add	*414.74*	
		For 90 Minutes Fire Rated, Add	*587.54*	
		For 120 Minutes Fire Rated, Add	*829.47*	
08 34 73 13-0040	EA	3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,126.36	146.81
		For 8' Height, Add	*407.00*	
		For 45 Minutes Fire Rated, Add	*247.74*	
		For 60 Minutes Fire Rated, Add	*424.70*	
		For 90 Minutes Fire Rated, Add	*601.66*	
		For 120 Minutes Fire Rated, Add	*849.40*	
08 34 73 13-0041	EA	3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,229.34	146.81
		For 8' Height, Add	*418.84*	
		For 45 Minutes Fire Rated, Add	*254.95*	
		For 60 Minutes Fire Rated, Add	*437.06*	
		For 90 Minutes Fire Rated, Add	*619.16*	
		For 120 Minutes Fire Rated, Add	*874.11*	
08 34 73 13-0042	EA	4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,431.10	153.47
		For 8' Height, Add	*438.98*	
		For 45 Minutes Fire Rated, Add	*267.20*	
		For 60 Minutes Fire Rated, Add	*458.06*	
		For 90 Minutes Fire Rated, Add	*648.92*	
		For 120 Minutes Fire Rated, Add	*916.13*	
08 34 73 13-0043	EA	4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,514.12	153.47
		For 8' Height, Add	*448.52*	
		For 45 Minutes Fire Rated, Add	*273.01*	
		For 60 Minutes Fire Rated, Add	*468.03*	
		For 90 Minutes Fire Rated, Add	*663.04*	
		For 120 Minutes Fire Rated, Add	*936.05*	
08 34 73 13-0044	EA	4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,597.14	153.47
		For 8' Height, Add	*458.07*	
		For 45 Minutes Fire Rated, Add	*278.83*	
		For 60 Minutes Fire Rated, Add	*477.99*	
		For 90 Minutes Fire Rated, Add	*677.15*	
		For 120 Minutes Fire Rated, Add	*955.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0045	EA	4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame	4,689.82	153.47
		For 8' Height, Add	*468.73*	
		For 45 Minutes Fire Rated, Add	*285.31*	
		For 60 Minutes Fire Rated, Add	*489.11*	
		For 90 Minutes Fire Rated, Add	*692.90*	
		For 120 Minutes Fire Rated, Add	*978.22*	
08 34 73 13-0046	EA	6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,640.99	173.50
		For 8' Height, Add	*798.91*	
		For 45 Minutes Fire Rated, Add	*486.29*	
		For 60 Minutes Fire Rated, Add	*833.64*	
		For 90 Minutes Fire Rated, Add	*1,180.99*	
		For 120 Minutes Fire Rated, Add	*1,667.28*	
08 34 73 13-0047	EA	6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,720.15	173.50
		For 8' Height, Add	*808.01*	
		For 45 Minutes Fire Rated, Add	*491.83*	
		For 60 Minutes Fire Rated, Add	*843.14*	
		For 90 Minutes Fire Rated, Add	*1,194.45*	
		For 120 Minutes Fire Rated, Add	*1,686.28*	
08 34 73 13-0048	EA	6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,805.11	173.50
		For 8' Height, Add	*817.78*	
		For 45 Minutes Fire Rated, Add	*497.78*	
		For 60 Minutes Fire Rated, Add	*853.34*	
		For 90 Minutes Fire Rated, Add	*1,208.89*	
		For 120 Minutes Fire Rated, Add	*1,706.67*	
08 34 73 13-0049	EA	6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	7,891.99	173.50
		For 8' Height, Add	*827.77*	
		For 45 Minutes Fire Rated, Add	*503.86*	
		For 60 Minutes Fire Rated, Add	*863.76*	
		For 90 Minutes Fire Rated, Add	*1,223.66*	
		For 120 Minutes Fire Rated, Add	*1,727.52*	
08 34 73 13-0050	EA	7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,188.70	180.17
		For 8' Height, Add	*858.82*	
		For 45 Minutes Fire Rated, Add	*522.76*	
		For 60 Minutes Fire Rated, Add	*896.16*	
		For 90 Minutes Fire Rated, Add	*1,269.57*	
		For 120 Minutes Fire Rated, Add	*1,792.33*	
08 34 73 13-0051	EA	7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,273.80	180.17
		For 8' Height, Add	*868.61*	
		For 45 Minutes Fire Rated, Add	*528.72*	
		For 60 Minutes Fire Rated, Add	*906.38*	
		For 90 Minutes Fire Rated, Add	*1,284.03*	
		For 120 Minutes Fire Rated, Add	*1,812.75*	
08 34 73 13-0052	EA	7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,365.13	180.17
		For 8' Height, Add	*879.11*	
		For 45 Minutes Fire Rated, Add	*535.11*	
		For 60 Minutes Fire Rated, Add	*917.34*	
		For 90 Minutes Fire Rated, Add	*1,299.56*	
		For 120 Minutes Fire Rated, Add	*1,834.67*	
08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	8,458.53	180.17
		For 8' Height, Add	*889.85*	
		For 45 Minutes Fire Rated, Add	*541.65*	
		For 60 Minutes Fire Rated, Add	*928.54*	
		For 90 Minutes Fire Rated, Add	*1,315.44*	
		For 120 Minutes Fire Rated, Add	*1,857.09*	

08 34 73 16 Wood Sound Control Door Assemblies *(08 34 73)*

08 34 73 16-0001 Wood Acoustical Door Assembly *(08 34 73 16)*

Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.

08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,688.77	373.68
		For 8' Height, Add	*159.19*	
		For 2-1/4" Thick, Add	*151.43*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated Note: Includes the prefinished door, frame, hinges and seals.	2,889.61	373.68
		For 8' Height, Add	*175.66*	
		For 2-1/4" Thick, Add	*167.09*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,001.19	373.68
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*184.81*	
		For 2-1/4" Thick, Add	*175.80*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System, Unrated	3,112.76	373.68
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*193.96*	
		For 2-1/4" Thick, Add	*184.50*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System, Unrated	3,603.69	373.68
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*234.22*	
		For 2-1/4" Thick, Add	*222.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System, Unrated	4,674.81	373.68
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*322.05*	
		For 2-1/4" Thick, Add	*306.34*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System, Unrated	4,882.34	373.68
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*339.07*	
		For 2-1/4" Thick, Add	*322.53*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	5,712.46	373.68
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*407.14*	
		For 2-1/4" Thick, Add	*387.28*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System, Unrated	6,331.70	373.68
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*457.92*	
		For 2-1/4" Thick, Add	*435.58*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0011	EA	3' x 7' x 1-3/4" Thick, STC 52, Wood Acoustical Door System, Unrated	7,101.74	240.22
		For 8' Height, Add	*542.95*	
		For 2-1/4" Thick, Add	*516.46*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0012	EA	3' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	7,896.29	240.22
		For 8' Height, Add	*608.10*	
		For 2-1/4" Thick, Add	*578.44*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0013	EA	3'-6" x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	2,861.06	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*171.13*	
		For 2-1/4" Thick, Add	*162.79*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0014	EA	3'-6" x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,076.96	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*188.84*	
		For 2-1/4" Thick, Add	*179.63*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0015	EA	3'-6" x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,196.90	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*198.67*	
		For 2-1/4" Thick, Add	*188.98*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0016	EA	3'-6" x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System, Unrated	3,316.84	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*208.51*	
		For 2-1/4" Thick, Add	*198.34*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0017	EA	3'-6" x 7' x 1-3/4" Thick, STC 35, Wood Acoustical Door System, Unrated	3,844.59	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*251.78*	
		For 2-1/4" Thick, Add	*239.50*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0018	EA	3'-6" x 7' x 1-3/4" Thick, STC 41, Wood Acoustical Door System, Unrated	4,996.05	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*346.20*	
		For 2-1/4" Thick, Add	*329.32*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0019	EA	3'-6" x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System, Unrated	5,219.14	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*364.50*	
		For 2-1/4" Thick, Add	*346.72*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0020	EA	3'-6" x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	6,111.52	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*437.67*	
		For 2-1/4" Thick, Add	*416.32*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0021	EA	3'-6" x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System, Unrated	6,777.20	387.03
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*492.26*	
		For 2-1/4" Thick, Add	*468.25*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0022	EA	3'-6" x 7' x 1-3/4" Thick, STC 52, Wood Acoustical Door System, Unrated	7,598.33	240.22
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*583.67*	
		For 2-1/4" Thick, Add	*555.19*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0023	EA	3'-6" x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	7,896.29	240.22
		Note: Includes the prefinished door, frame, hinges and seals.		
		For 8' Height, Add	*608.10*	
		For 2-1/4" Thick, Add	*578.44*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0024	EA	4' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System, Unrated	2,907.21	240.22
		For 8' Height, Add	*198.99*	
		For 2-1/4" Thick, Add	*189.29*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0025	EA	4' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System, Unrated	3,158.25	240.22
		For 8' Height, Add	*219.58*	
		For 2-1/4" Thick, Add	*208.87*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 16-0026	EA	4' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System, Unrated	3,297.72	240.22
		For 8' Height, Add	*231.02*	
		For 2-1/4" Thick, Add	*219.75*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0027	EA	4' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System, Unrated	3,437.19	240.22
		For 8' Height, Add	*242.45*	
		For 2-1/4" Thick, Add	*230.63*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0028	EA	4' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System, Unrated	4,050.85	240.22
		For 8' Height, Add	*292.77*	
		For 2-1/4" Thick, Add	*278.49*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0029	EA	4' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System, Unrated	5,389.75	240.22
		For 8' Height, Add	*402.56*	
		For 2-1/4" Thick, Add	*382.93*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0030	EA	4' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System, Unrated	5,649.16	240.22
		For 8' Height, Add	*423.83*	
		For 2-1/4" Thick, Add	*403.16*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0031	EA	4' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System, Unrated	6,686.81	240.22
		For 8' Height, Add	*508.92*	
		For 2-1/4" Thick, Add	*484.10*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0032	EA	4' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System, Unrated	7,460.86	240.22
		For 8' Height, Add	*572.39*	
		For 2-1/4" Thick, Add	*544.47*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0033	EA	4' x 7' x 1-3/4" Thick, STC 52, Wood Acoustical Door System, Unrated	8,757.06	240.22
		For 8' Height, Add	*678.68*	
		For 2-1/4" Thick, Add	*645.58*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	
08 34 73 16-0034	EA	4' x 7' x 1-3/4" Thick, STC 56, Wood Acoustical Door System, Unrated	9,750.25	240.22
		For 8' Height, Add	*760.12*	
		For 2-1/4" Thick, Add	*723.04*	
		For 20 Minutes Fire Rated, Add	*50.00*	
		For 45 Minutes Fire Rated, Add	*80.00*	
		For 60 Minutes Fire Rated, Add	*115.00*	
		For 90 Minutes Fire Rated, Add	*145.00*	

08 36 Panel Doors *(08 30)*

08 36 13 Sectional Doors *(08 36)*

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0965 for forklift.

08 36 13 00-0001 Sectional Wood Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0002 Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,043.79	533.83
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,749.12	592.55
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	4,759.94	709.99
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	6,756.73	822.10
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,356.68	1,067.66
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	7,168.31	1,334.58
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	12,752.44	1,778.99

08 36 13 00-0010 Residential Grade, Wood Sectional Overhead Doors *(08 36 13 00-0001)*

Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,566.86	266.92
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*498.85*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0012	EA	16' x 7', Residential Grade, Wood Sectional Door, Manual Lift	2,412.13	266.92
		For Hardboard Face, Add	*115.00*	
		For Insulation, Add	*117.00*	
		For Motor Operator With Remote Controls, Add	*538.52*	
		For Each Glass Vision Panel In Door, Add	*50.00*	
08 36 13 00-0013		Sectional Metal Overhead Doors (Width x Height) *(08 36 13)*		
		Note: Includes tracks and all hardware.		
08 36 13 00-0014		Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*		
08 36 13 00-0015		Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*		
		Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA	8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,076.74	467.10
		For 20 Gauge Steel Door, Add	*165.67*	
		For 16 Gauge Steel Door, Add	*285.64*	
		For Aluminum, Mill Finish, Add	*130.25*	
		For Aluminum, Anodized Finish, Add	*364.47*	
08 36 13 00-0017	EA	8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,446.97	533.83
		For 20 Gauge Steel Door, Add	*200.00*	
		For 16 Gauge Steel Door, Add	*344.83*	
		For Aluminum, Mill Finish, Add	*157.24*	
		For Aluminum, Anodized Finish, Add	*440.00*	
08 36 13 00-0018	EA	8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,020.98	667.28
		For 20 Gauge Steel Door, Add	*244.53*	
		For 16 Gauge Steel Door, Add	*421.60*	
		For Aluminum, Mill Finish, Add	*192.25*	
		For Aluminum, Anodized Finish, Add	*537.96*	
08 36 13 00-0019	EA	10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,341.52	533.83
		For 20 Gauge Steel Door, Add	*184.71*	
		For 16 Gauge Steel Door, Add	*318.47*	
		For Aluminum, Mill Finish, Add	*145.22*	
		For Aluminum, Anodized Finish, Add	*406.36*	
08 36 13 00-0020	EA	10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,885.93	667.28
		For 20 Gauge Steel Door, Add	*224.95*	
		For 16 Gauge Steel Door, Add	*387.84*	
		For Aluminum, Mill Finish, Add	*176.85*	
		For Aluminum, Anodized Finish, Add	*494.88*	
08 36 13 00-0021	EA	10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,632.23	867.48
		For 20 Gauge Steel Door, Add	*275.11*	
		For 16 Gauge Steel Door, Add	*474.32*	
		For Aluminum, Mill Finish, Add	*216.29*	
		For Aluminum, Anodized Finish, Add	*605.24*	
08 36 13 00-0022	EA	10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,295.32	1,067.66
		For 20 Gauge Steel Door, Add	*313.20*	
		For 16 Gauge Steel Door, Add	*540.00*	
		For Aluminum, Mill Finish, Add	*246.24*	
		For Aluminum, Anodized Finish, Add	*689.04*	
08 36 13 00-0023	EA	12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,797.16	667.28
		For 20 Gauge Steel Door, Add	*212.07*	
		For 16 Gauge Steel Door, Add	*365.65*	
		For Aluminum, Mill Finish, Add	*166.73*	
		For Aluminum, Anodized Finish, Add	*466.56*	
08 36 13 00-0024	EA	12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,499.05	867.48
		For 20 Gauge Steel Door, Add	*255.80*	
		For 16 Gauge Steel Door, Add	*441.03*	
		For Aluminum, Mill Finish, Add	*201.11*	
		For Aluminum, Anodized Finish, Add	*562.75*	
08 36 13 00-0025	EA	12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,271.25	1,067.66
		For 20 Gauge Steel Door, Add	*309.71*	
		For 16 Gauge Steel Door, Add	*533.98*	
		For Aluminum, Mill Finish, Add	*243.50*	
		For Aluminum, Anodized Finish, Add	*681.36*	
08 36 13 00-0026	EA	12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,039.77	1,267.84
		For 20 Gauge Steel Door, Add	*363.09*	
		For 16 Gauge Steel Door, Add	*626.02*	
		For Aluminum, Mill Finish, Add	*285.47*	
		For Aluminum, Anodized Finish, Add	*798.80*	
08 36 13 00-0027	EA	12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,015.73	1,534.76
		For 20 Gauge Steel Door, Add	*427.20*	
		For 16 Gauge Steel Door, Add	*736.56*	
		For Aluminum, Mill Finish, Add	*335.87*	
		For Aluminum, Anodized Finish, Add	*939.84*	
08 36 13 00-0028	EA	14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,323.31	867.48
		For 20 Gauge Steel Door, Add	*230.31*	
		For 16 Gauge Steel Door, Add	*397.09*	
		For Aluminum, Mill Finish, Add	*181.07*	
		For Aluminum, Anodized Finish, Add	*506.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0029	EA	14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,088.12	1,067.66
		For 20 Gauge Steel Door, Add	*283.16*	
		For 16 Gauge Steel Door, Add	*488.20*	
		For Aluminum, Mill Finish, Add	*222.62*	
		For Aluminum, Anodized Finish, Add	*622.94*	
08 36 13 00-0030	EA	14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,045.58	1,334.58
		For 20 Gauge Steel Door, Add	*344.58*	
		For 16 Gauge Steel Door, Add	*594.11*	
		For Aluminum, Mill Finish, Add	*270.91*	
		For Aluminum, Anodized Finish, Add	*758.08*	
08 36 13 00-0031	EA	14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,817.79	1,534.76
		For 20 Gauge Steel Door, Add	*398.50*	
		For 16 Gauge Steel Door, Add	*687.07*	
		For Aluminum, Mill Finish, Add	*313.30*	
		For Aluminum, Anodized Finish, Add	*876.70*	
08 36 13 00-0032	EA	14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,688.04	1,734.94
		For 20 Gauge Steel Door, Add	*466.63*	
		For 16 Gauge Steel Door, Add	*804.54*	
		For Aluminum, Mill Finish, Add	*366.87*	
		For Aluminum, Anodized Finish, Add	*1,026.59*	
08 36 13 00-0033	EA	16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,023.36	1,067.66
		For 20 Gauge Steel Door, Add	*273.77*	
		For 16 Gauge Steel Door, Add	*472.01*	
		For Aluminum, Mill Finish, Add	*215.24*	
		For Aluminum, Anodized Finish, Add	*602.28*	
08 36 13 00-0034	EA	16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,977.12	1,334.58
		For 20 Gauge Steel Door, Add	*334.66*	
		For 16 Gauge Steel Door, Add	*576.99*	
		For Aluminum, Mill Finish, Add	*263.11*	
		For Aluminum, Anodized Finish, Add	*736.24*	
08 36 13 00-0035	EA	16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,852.91	1,534.76
		For 20 Gauge Steel Door, Add	*403.59*	
		For 16 Gauge Steel Door, Add	*695.85*	
		For Aluminum, Mill Finish, Add	*317.31*	
		For Aluminum, Anodized Finish, Add	*887.90*	
08 36 13 00-0036	EA	16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,965.53	1,734.94
		For 20 Gauge Steel Door, Add	*506.87*	
		For 16 Gauge Steel Door, Add	*873.91*	
		For Aluminum, Mill Finish, Add	*398.50*	
		For Aluminum, Anodized Finish, Add	*1,115.11*	
08 36 13 00-0037	EA	16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,111.70	2,001.86
		For 20 Gauge Steel Door, Add	*595.65*	
		For 16 Gauge Steel Door, Add	*1,026.99*	
		For Aluminum, Mill Finish, Add	*468.31*	
		For Aluminum, Anodized Finish, Add	*1,310.44*	
08 36 13 00-0038	EA	18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,119.59	1,334.58
		For 20 Gauge Steel Door, Add	*355.31*	
		For 16 Gauge Steel Door, Add	*612.61*	
		For Aluminum, Mill Finish, Add	*279.35*	
		For Aluminum, Anodized Finish, Add	*781.69*	
08 36 13 00-0039	EA	18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,108.23	1,534.76
		For 20 Gauge Steel Door, Add	*440.61*	
		For 16 Gauge Steel Door, Add	*759.68*	
		For Aluminum, Mill Finish, Add	*346.41*	
		For Aluminum, Anodized Finish, Add	*969.35*	
08 36 13 00-0040	EA	18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,372.51	1,734.94
		For 20 Gauge Steel Door, Add	*565.88*	
		For 16 Gauge Steel Door, Add	*975.66*	
		For Aluminum, Mill Finish, Add	*444.90*	
		For Aluminum, Anodized Finish, Add	*1,244.94*	
08 36 13 00-0041	EA	18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,520.54	2,001.86
		For 20 Gauge Steel Door, Add	*654.94*	
		For 16 Gauge Steel Door, Add	*1,129.20*	
		For Aluminum, Mill Finish, Add	*514.92*	
		For Aluminum, Anodized Finish, Add	*1,440.86*	
08 36 13 00-0042	EA	18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,783.26	2,268.77
		For 20 Gauge Steel Door, Add	*760.63*	
		For 16 Gauge Steel Door, Add	*1,311.42*	
		For Aluminum, Mill Finish, Add	*598.01*	
		For Aluminum, Anodized Finish, Add	*1,673.38*	
08 36 13 00-0043	EA	20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,817.79	1,534.76
		For 20 Gauge Steel Door, Add	*398.50*	
		For 16 Gauge Steel Door, Add	*687.07*	
		For Aluminum, Mill Finish, Add	*313.30*	
		For Aluminum, Anodized Finish, Add	*876.70*	
08 36 13 00-0044	EA	20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,806.44	1,734.94
		For 20 Gauge Steel Door, Add	*483.80*	
		For 16 Gauge Steel Door, Add	*834.14*	
		For Aluminum, Mill Finish, Add	*380.37*	
		For Aluminum, Anodized Finish, Add	*1,064.36*	
08 36 13 00-0045	EA	20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,378.10	2,001.86
		For 20 Gauge Steel Door, Add	*634.28*	
		For 16 Gauge Steel Door, Add	*1,093.59*	
		For Aluminum, Mill Finish, Add	*498.68*	
		For Aluminum, Anodized Finish, Add	*1,395.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0046	EA	20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,526.11	2,268.77
		For 20 Gauge Steel Door, Add	*723.34*	
		For 16 Gauge Steel Door, Add	*1,247.14*	
		For Aluminum, Mill Finish, Add	*568.69*	
		For Aluminum, Anodized Finish, Add	*1,591.34*	
08 36 13 00-0047	EA	20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,721.20	2,535.69
		For 20 Gauge Steel Door, Add	*964.22*	
		For 16 Gauge Steel Door, Add	*1,662.45*	
		For Aluminum, Mill Finish, Add	*758.07*	
		For Aluminum, Anodized Finish, Add	*2,121.28*	
08 36 13 00-0048	EA	22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,480.84	1,734.94
		For 20 Gauge Steel Door, Add	*436.59*	
		For 16 Gauge Steel Door, Add	*752.74*	
		For Aluminum, Mill Finish, Add	*343.25*	
		For Aluminum, Anodized Finish, Add	*960.49*	
08 36 13 00-0049	EA	22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,980.38	2,001.86
		For 20 Gauge Steel Door, Add	*576.61*	
		For 16 Gauge Steel Door, Add	*994.16*	
		For Aluminum, Mill Finish, Add	*453.34*	
		For Aluminum, Anodized Finish, Add	*1,268.55*	
08 36 13 00-0050	EA	22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,442.87	2,268.77
		For 20 Gauge Steel Door, Add	*711.27*	
		For 16 Gauge Steel Door, Add	*1,226.33*	
		For Aluminum, Mill Finish, Add	*559.20*	
		For Aluminum, Anodized Finish, Add	*1,564.79*	
08 36 13 00-0051	EA	22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,123.67	2,535.69
		For 20 Gauge Steel Door, Add	*877.58*	
		For 16 Gauge Steel Door, Add	*1,513.06*	
		For Aluminum, Mill Finish, Add	*689.96*	
		For Aluminum, Anodized Finish, Add	*1,930.67*	
08 36 13 00-0052	EA	22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,536.16	2,802.61
		For 20 Gauge Steel Door, Add	*1,004.99*	
		For 16 Gauge Steel Door, Add	*1,732.74*	
		For Aluminum, Mill Finish, Add	*790.13*	
		For Aluminum, Anodized Finish, Add	*2,210.98*	
08 36 13 00-0053	EA	24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,194.15	2,001.86
		For 20 Gauge Steel Door, Add	*462.61*	
		For 16 Gauge Steel Door, Add	*797.60*	
		For Aluminum, Mill Finish, Add	*363.71*	
		For Aluminum, Anodized Finish, Add	*1,017.74*	
08 36 13 00-0054	EA	24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,750.98	2,268.77
		For 20 Gauge Steel Door, Add	*610.94*	
		For 16 Gauge Steel Door, Add	*1,053.35*	
		For Aluminum, Mill Finish, Add	*480.33*	
		For Aluminum, Anodized Finish, Add	*1,344.08*	
08 36 13 00-0055	EA	24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,627.89	2,535.69
		For 20 Gauge Steel Door, Add	*805.69*	
		For 16 Gauge Steel Door, Add	*1,389.12*	
		For Aluminum, Mill Finish, Add	*633.44*	
		For Aluminum, Anodized Finish, Add	*1,772.51*	
08 36 13 00-0056	EA	24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,877.59	2,802.61
		For 20 Gauge Steel Door, Add	*909.50*	
		For 16 Gauge Steel Door, Add	*1,568.10*	
		For Aluminum, Mill Finish, Add	*715.05*	
		For Aluminum, Anodized Finish, Add	*2,000.90*	
08 36 13 00-0057	EA	24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,323.44	3,069.52
		For 20 Gauge Steel Door, Add	*1,041.74*	
		For 16 Gauge Steel Door, Add	*1,796.11*	
		For Aluminum, Mill Finish, Add	*819.02*	
		For Aluminum, Anodized Finish, Add	*2,291.83*	

08 36 13 00-0058 Insulated, 24 Gauge Galvanized Steel Sectional Doors *(08 36 13 00-0014)*

Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.

08 36 13 00-0059	EA	8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	2,621.14	467.10
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*210.87*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*421.74*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,096.51*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,108.68*	
		For Aluminum, Mill Finish, Add	*192.31*	
		For Aluminum, Anodized Finish, Add	*538.13*	
08 36 13 00-0060	EA	8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,122.69	533.83
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*256.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*513.76*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,335.77*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,568.79*	
		For Aluminum, Mill Finish, Add	*234.27*	
		For Aluminum, Anodized Finish, Add	*655.55*	
08 36 13 00-0061	EA	8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,836.17	667.28
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*312.70*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*625.40*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,626.03*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,126.99*	
		For Aluminum, Mill Finish, Add	*285.18*	
		For Aluminum, Anodized Finish, Add	*798.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0062	EA	10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,047.65	533.83
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*247.50*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*495.00*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,286.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,474.99*	
		For Aluminum, Mill Finish, Add	*225.72*	
		For Aluminum, Anodized Finish, Add	*631.62*	
08 36 13 00-0063	EA	10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,743.73	667.28
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*301.14*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*602.29*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,565.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,011.44*	
		For Aluminum, Mill Finish, Add	*274.64*	
		For Aluminum, Anodized Finish, Add	*768.52*	
08 36 13 00-0064	EA	10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,759.86	867.48
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*378.12*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*756.23*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,966.20*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,781.15*	
		For Aluminum, Mill Finish, Add	*344.84*	
		For Aluminum, Anodized Finish, Add	*964.95*	
08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,526.59	1,067.66
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*423.91*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*847.82*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,204.33*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,239.09*	
		For Aluminum, Mill Finish, Add	*386.60*	
		For Aluminum, Anodized Finish, Add	*1,081.82*	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	3,602.43	667.28
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*283.48*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*566.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,474.10*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,834.81*	
		For Aluminum, Mill Finish, Add	*258.53*	
		For Aluminum, Anodized Finish, Add	*723.44*	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,492.98	867.48
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*344.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*689.51*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,792.73*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,447.55*	
		For Aluminum, Mill Finish, Add	*314.42*	
		For Aluminum, Anodized Finish, Add	*879.81*	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,479.50	1,067.66
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*418.02*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*836.05*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,173.72*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,180.23*	
		For Aluminum, Mill Finish, Add	*381.24*	
		For Aluminum, Anodized Finish, Add	*1,066.79*	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,408.44	1,267.84
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*484.09*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*968.19*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,517.29*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,840.94*	
		For Aluminum, Mill Finish, Add	*441.49*	
		For Aluminum, Anodized Finish, Add	*1,235.41*	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,779.60	1,534.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*588.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,177.52*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,061.56*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,887.61*	
		For Aluminum, Mill Finish, Add	*536.95*	
		For Aluminum, Anodized Finish, Add	*1,502.52*	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	4,285.39	867.48
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*318.81*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*637.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,657.79*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,188.06*	
		For Aluminum, Mill Finish, Add	*290.75*	
		For Aluminum, Anodized Finish, Add	*813.59*	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,313.77	1,067.66
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*397.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*794.61*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,065.99*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,973.06*	
		For Aluminum, Mill Finish, Add	*362.34*	
		For Aluminum, Anodized Finish, Add	*1,013.93*	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,466.89	1,334.58
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*474.72*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*949.44*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,468.53*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,747.18*	
		For Aluminum, Mill Finish, Add	*432.94*	
		For Aluminum, Anodized Finish, Add	*1,211.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,619.10	1,534.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*568.70*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,137.40*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,957.23*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,686.99*	
		For Aluminum, Mill Finish, Add	*518.65*	
		For Aluminum, Anodized Finish, Add	*1,451.32*	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,743.43	1,734.94
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*659.19*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,318.39*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,427.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,591.93*	
		For Aluminum, Mill Finish, Add	*601.18*	
		For Aluminum, Anodized Finish, Add	*1,682.26*	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,134.10	1,067.66
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*374.85*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*749.70*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,949.21*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,748.48*	
		For Aluminum, Mill Finish, Add	*341.86*	
		For Aluminum, Anodized Finish, Add	*956.61*	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	6,606.45	1,334.58
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*492.16*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*984.33*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,559.25*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,921.63*	
		For Aluminum, Mill Finish, Add	*448.85*	
		For Aluminum, Anodized Finish, Add	*1,256.00*	
08 36 13 00-0078	EA	16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,713.31	1,534.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*580.48*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,160.95*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,018.47*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,804.75*	
		For Aluminum, Mill Finish, Add	*529.39*	
		For Aluminum, Anodized Finish, Add	*1,481.37*	
08 36 13 00-0079	EA	16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,827.15	1,734.94
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*669.66*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,339.32*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,482.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,696.58*	
		For Aluminum, Mill Finish, Add	*610.73*	
		For Aluminum, Anodized Finish, Add	*1,708.97*	
08 36 13 00-0080	EA	16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,435.59	2,001.86
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*803.98*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,607.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,180.70*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,039.81*	
		For Aluminum, Mill Finish, Add	*733.23*	
		For Aluminum, Anodized Finish, Add	*2,051.76*	
08 36 13 00-0081	EA	18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	5,929.58	1,334.58
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*407.55*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*815.11*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,119.28*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,075.54*	
		For Aluminum, Mill Finish, Add	*371.69*	
		For Aluminum, Anodized Finish, Add	*1,040.08*	
08 36 13 00-0082	EA	18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,341.73	1,534.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*534.03*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,068.06*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,776.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,340.28*	
		For Aluminum, Mill Finish, Add	*487.03*	
		For Aluminum, Anodized Finish, Add	*1,362.84*	
08 36 13 00-0083	EA	18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,520.12	1,734.94
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*631.28*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,262.56*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,282.65*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,312.79*	
		For Aluminum, Mill Finish, Add	*575.73*	
		For Aluminum, Anodized Finish, Add	*1,611.02*	
08 36 13 00-0084	EA	18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,613.53	2,001.86
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*826.22*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,652.45*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,296.36*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,262.24*	
		For Aluminum, Mill Finish, Add	*753.52*	
		For Aluminum, Anodized Finish, Add	*2,108.52*	
08 36 13 00-0085	EA	18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,634.06	2,268.77
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*887.06*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,774.12*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,612.72*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,870.61*	
		For Aluminum, Mill Finish, Add	*809.00*	
		For Aluminum, Anodized Finish, Add	*2,263.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0086	EA	20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	7,308.58	1,534.76
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*529.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,059.77*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,755.40*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,298.84*	
		For Aluminum, Mill Finish, Add	*483.25*	
		For Aluminum, Anodized Finish, Add	*1,352.26*	
08 36 13 00-0087	EA	20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,596.90	1,734.94
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*640.88*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,281.75*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,332.56*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,408.76*	
		For Aluminum, Mill Finish, Add	*584.48*	
		For Aluminum, Anodized Finish, Add	*1,635.52*	
08 36 13 00-0088	EA	20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	10,971.13	2,001.86
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*870.92*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,741.85*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,528.80*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,709.24*	
		For Aluminum, Mill Finish, Add	*794.28*	
		For Aluminum, Anodized Finish, Add	*2,222.60*	
08 36 13 00-0089	EA	20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,953.29	2,268.77
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*926.97*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,853.93*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,820.22*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,269.65*	
		For Aluminum, Mill Finish, Add	*845.39*	
		For Aluminum, Anodized Finish, Add	*2,365.61*	
08 36 13 00-0090	EA	20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,877.48	2,535.69
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,100.76*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,201.52*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,723.94*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,007.58*	
		For Aluminum, Mill Finish, Add	*1,003.89*	
		For Aluminum, Anodized Finish, Add	*2,809.13*	
08 36 13 00-0091	EA	22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,022.96	1,734.94
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*569.13*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,138.27*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,959.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,691.34*	
		For Aluminum, Mill Finish, Add	*519.05*	
		For Aluminum, Anodized Finish, Add	*1,452.43*	
08 36 13 00-0092	EA	22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	9,907.03	2,001.86
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*737.91*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,475.82*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,837.14*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*7,379.11*	
		For Aluminum, Mill Finish, Add	*672.98*	
		For Aluminum, Anodized Finish, Add	*1,883.15*	
08 36 13 00-0093	EA	22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,761.42	2,268.77
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*902.98*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,805.96*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,695.50*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,029.81*	
		For Aluminum, Mill Finish, Add	*823.52*	
		For Aluminum, Anodized Finish, Add	*2,304.41*	
08 36 13 00-0094	EA	22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	13,216.33	2,535.69
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,018.11*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,036.23*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,294.19*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*10,181.14*	
		For Aluminum, Mill Finish, Add	*928.52*	
		For Aluminum, Anodized Finish, Add	*2,598.23*	
08 36 13 00-0095	EA	22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	15,070.65	2,802.61
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,183.18*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,366.37*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,152.55*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,831.83*	
		For Aluminum, Mill Finish, Add	*1,079.06*	
		For Aluminum, Anodized Finish, Add	*3,019.48*	
08 36 13 00-0096	EA	24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	8,942.34	2,001.86
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*617.33*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,234.65*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*3,210.09*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,173.25*	
		For Aluminum, Mill Finish, Add	*563.00*	
		For Aluminum, Anodized Finish, Add	*1,575.41*	
08 36 13 00-0097	EA	24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	11,020.03	2,268.77
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*810.31*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,620.62*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*4,213.60*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*8,103.08*	
		For Aluminum, Mill Finish, Add	*739.00*	
		For Aluminum, Anodized Finish, Add	*2,067.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0098	EA	24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	12,775.00	2,535.69
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*962.95*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,925.90*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,007.33*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*9,629.48*	
		For Aluminum, Mill Finish, Add	*878.21*	
		For Aluminum, Anodized Finish, Add	*2,457.44*	
08 36 13 00-0099	EA	24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	14,632.81	2,802.61
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,128.45*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,256.91*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*5,867.95*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*11,284.53*	
		For Aluminum, Mill Finish, Add	*1,029.15*	
		For Aluminum, Anodized Finish, Add	*2,879.81*	
08 36 13 00-0100	EA	24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift	16,461.02	3,069.52
		For 22 Gauge Steel Ribbed, Heavy-Duty Door, Add	*1,290.25*	
		For 20 Gauge Steel Ribbed, Heavy-Duty Door, Add	*2,580.50*	
		For 18 Gauge Steel Ribbed, Heavy-Duty Door, Add	*6,709.30*	
		For 16 Gauge Steel Ribbed, Heavy-Duty Door, Add	*12,902.50*	
		For Aluminum, Mill Finish, Add	*1,176.71*	
		For Aluminum, Anodized Finish, Add	*3,292.72*	

08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors *(08 36 13 00-0013)*

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102	EA	9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,263.20	266.92
		For Aluminum Or Fiberglass, Add	*184.74*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*315.84*	
08 36 13 00-0103	EA	9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,370.14	266.92
		For Aluminum Or Fiberglass, Add	*217.89*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*372.52*	
08 36 13 00-0104	EA	16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,747.24	305.35
		For Aluminum Or Fiberglass, Add	*305.51*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*522.32*	
08 36 13 00-0105	EA	16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift	1,915.29	305.35
		For Aluminum Or Fiberglass, Add	*357.60*	
		For Each Glass Vision Panel In Door, Add	*27.00*	
		For Insulated Door, Add	*611.38*	

08 36 13 00-0106 Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports *(08 36 13 00-0013)*

Note: Includes storage, cleaning and supply materials.

08 36 13 00-0107	SF	Removal And Reinstallation Of Sectional Metal Overhead Door And Supports	18.97	

08 36 13 00-0108 Sectional Fiberglass Overhead Doors (Width x Height) *(08 36 13)*

08 36 13 00-0109 Fiberglass Sectional Overhead Doors *(08 36 13 00-0108)*

08 36 13 00-0110 Non-Insulated, Fiberglass Sectional Doors *(08 36 13 00-0109)*

Note: Includes 2" door, tracks and hardware. Excludes frame.

08 36 13 00-0111	EA	8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,382.80	467.10
08 36 13 00-0112	EA	8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,813.94	533.83
08 36 13 00-0113	EA	8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,354.84	667.28
08 36 13 00-0114	EA	10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	2,785.36	533.83
08 36 13 00-0115	EA	10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,297.51	600.56
08 36 13 00-0116	EA	10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,172.10	834.11
08 36 13 00-0117	EA	10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,050.67	1,067.66
08 36 13 00-0118	EA	12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	3,314.34	667.28
08 36 13 00-0119	EA	12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,155.42	834.11
08 36 13 00-0120	EA	12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,986.58	1,000.93
08 36 13 00-0121	EA	12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,149.81	1,334.58
08 36 13 00-0122	EA	12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,185.30	1,601.49
08 36 13 00-0123	EA	14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,109.92	934.20
08 36 13 00-0124	EA	14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,950.61	1,067.66
08 36 13 00-0125	EA	14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,064.04	1,334.58
08 36 13 00-0126	EA	14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,175.77	1,601.49
08 36 13 00-0127	EA	14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,023.34	1,734.94
08 36 13 00-0128	EA	16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift	4,671.87	1,067.66
08 36 13 00-0129	EA	16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift	5,568.22	1,201.12
08 36 13 00-0130	EA	16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift	6,746.43	1,468.03
08 36 13 00-0131	EA	16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift	7,911.37	1,734.94
08 36 13 00-0132	EA	16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift	8,810.67	1,868.40

08 36 13 00-0133 Insulated, Fiberglass Sectional Doors *(08 36 13 00-0109)*

Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.

08 36 13 00-0134	EA	8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	2,860.80	467.10
08 36 13 00-0135	EA	8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,390.22	533.83
08 36 13 00-0136	EA	8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,021.52	667.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0137	EA	10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,352.20	533.83
08 36 13 00-0138	EA	10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	3,989.36	600.56
08 36 13 00-0139	EA	10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	4,998.38	834.11
08 36 13 00-0140	EA	10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	6,012.96	1,067.66
08 36 13 00-0141	EA	12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	3,967.66	667.28
08 36 13 00-0142	EA	12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	4,976.20	834.11
08 36 13 00-0143	EA	12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	5,971.67	1,000.93
08 36 13 00-0144	EA	12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	7,298.42	1,334.58
08 36 13 00-0145	EA	12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	8,499.80	1,601.49
08 36 13 00-0146	EA	14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	4,849.72	934.20
08 36 13 00-0147	EA	14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	5,879.88	1,067.66
08 36 13 00-0148	EA	14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	7,184.36	1,334.58
08 36 13 00-0149	EA	14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	8,487.13	1,601.49
08 36 13 00-0150	EA	14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	9,526.53	1,734.94
08 36 13 00-0151	EA	16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift	5,509.16	1,067.66
08 36 13 00-0152	EA	16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift	6,613.06	1,201.12
08 36 13 00-0153	EA	16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift	8,003.54	1,468.03
08 36 13 00-0154	EA	16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift	9,377.60	1,734.94
08 36 13 00-0155	EA	16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift	10,485.24	1,868.40

08 36 13 00-0156 Sectional Overhead Door Accessories *(08 36 13)*

08 36 13 00-0157 Sectional Overhead Door Accessories *(08 36 13 00-0156)*

08 36 13 00-0158	LF	Flap Seal For Sectional Overhead Doors	4.45	1.67
08 36 13 00-0159	LF	Weather Seal At Top Of Door For Sectional Overhead Doors	6.23	2.08
08 36 13 00-0160	LF	Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors	3.80	1.67
08 36 13 00-0161	EA	Cylinder Lock For Sectional Overhead Doors	348.02	83.41
08 36 13 00-0162	EA	Manual Chain Hoist For Sectional Overhead Doors	779.88	166.82
08 36 13 00-0163	EA	3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	2,754.93	266.92
08 36 13 00-0164	EA	1/2 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,454.40	266.92
08 36 13 00-0165	EA	3/4 HP Trolley Operator For Sectional Overhead Doors Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.	1,882.73	266.92
		For Door Height >12', Add *Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.*	*10.00*	
08 36 13 00-0166	SF	Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	32.05	
08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	19.99	
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	19.50	
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	13.29	
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	50.94	
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors Note: Additional cost for factory supplied.	34.38	
08 36 13 00-0172	SF	Up To 2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	68.77	
08 36 13 00-0173	SF	>2 SF Per Window 1-5/8" Insulated Glazing For Sectional Metal Overhead Doors Note: Additional cost for factory supplied.	46.42	
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	663.05	133.46
08 36 13 00-0175	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,031.16	201.41
08 36 13 00-0176	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.	1,531.91	335.69
08 36 13 00-0177	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	1.91	
08 36 13 00-0178	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	2.46	
08 36 13 00-0179	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors Note: Additional cost for factory supplied/installed spring. Per SF of Door.	3.25	

08 38 Traffic Doors *(08 30)*

08 38 13 Flexible Strip Doors *(08 38)*

08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Strip Doors *(08 38 13)*

08 38 13 00-0002	SF	8" Smooth Strip, 0.080" Thick, 50% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	25.25	8.01
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*0.79*	
		For Ribbed Strip Material, Add	*1.66*	
08 38 13 00-0003	SF	8" Smooth Strip, 0.080" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	35.17	10.68
		For Cooler/Freezer Doors, USDA Grade, Add *Note: Low temperature to -40 degree F.*	*1.12*	
		For Ribbed Strip Material, Add	*2.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 13 00-0004	SF	12" Smooth Strip, 0.120" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	21.97	6.67
		For Cooler/Freezer Doors, USDA Grade, Add	*1.00*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.09*	
08 38 13 00-0005	SF	12" Smooth Strip, 0.120" Thick, 100% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	28.52	7.34
		For Cooler/Freezer Doors, USDA Grade, Add	*1.25*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.63*	
08 38 13 00-0006	SF	16" Smooth Strip, 0.160" Thick, 66% Overlap, Clear Polyvinyl Chloride (PVC) Strip Door	23.34	6.67
		For Cooler/Freezer Doors, USDA Grade, Add	*1.27*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*2.66*	
08 38 13 00-0007		Clear Polyvinyl Chloride (PVC) Replacement Strips *(08 38 13)*		
08 38 13 00-0008	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip	84.12	37.64
		For Cooler/Freezer Doors, USDA Grade, Add	*2.27*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*4.77*	
08 38 13 00-0009	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip	87.31	37.64
		For Cooler/Freezer Doors, USDA Grade, Add	*2.59*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*5.44*	
08 38 13 00-0010	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip	129.20	46.58
		For Cooler/Freezer Doors, USDA Grade, Add	*5.31*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*11.16*	
08 38 13 00-0011	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip	139.99	46.58
		For Cooler/Freezer Doors, USDA Grade, Add	*6.39*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*13.42*	
08 38 13 00-0012	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip	150.12	46.58
		For Cooler/Freezer Doors, USDA Grade, Add	*7.41*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*15.55*	
08 38 13 00-0013	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip	268.54	47.51
		For Cooler/Freezer Doors, USDA Grade, Add	*17.35*	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	*36.42*	

08 38 16 Flexible Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 16 00-0001		0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro) *(08 38 16)*		
08 38 16 00-0002		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0001)*		
08 38 16 00-0003		Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*		
08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	8,691.63	133.46
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,415.81	133.46
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	19,844.87	153.47
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	22,280.25	166.82
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	34,812.84	166.82
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	36,434.10	166.82
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	40,524.08	200.18
08 38 16 00-0011		Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors *(08 38 16 00-0002)*		
08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	9,699.80	133.46
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	10,506.26	133.46
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	23,558.40	153.47
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	25,977.29	166.82
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	39,052.83	166.82
08 38 16 00-0017	EA	108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	40,702.00	166.82
08 38 16 00-0018	EA	120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door	45,272.23	200.18
08 38 16 00-0019		0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP) *(08 38 16)*		
		Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020		Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0021		84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0022	EA	24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,260.40	73.40
08 38 16 00-0023	EA	40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,522.66	73.40
08 38 16 00-0024		96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0020)*		
08 38 16 00-0025	EA	24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,522.66	73.40
08 38 16 00-0026	EA	40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	3,596.64	73.40
08 38 16 00-0027		Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0019)*		
08 38 16 00-0028		84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0029	EA	48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	6,480.74	126.78
08 38 16 00-0030	EA	80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,005.28	126.78
08 38 16 00-0031		96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors *(08 38 16 00-0027)*		
08 38 16 00-0032	EA	48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,005.28	126.78
08 38 16 00-0033	EA	80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors	7,153.23	126.78

08 38 19 Rigid Traffic Doors *(08 38)*

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

08 38 19 00-0001		0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3) *(08 38 19)*		
		Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002		Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*		
08 38 19 00-0003		84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		
08 38 19 00-0004	EA	24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,545.56	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0005	EA	28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,666.61	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0006	EA	30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,720.36	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0007	EA	32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,794.33	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0008	EA	36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,875.01	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0009	EA	40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,036.40	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0010	EA	42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,103.47	90.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0011		96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0012	EA	24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,754.03	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0013	EA	28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,848.18	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0014	EA	30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,908.66	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0015	EA	32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	1,962.45	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0016	EA	36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,150.73	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0017	EA	40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,191.07	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0018	EA	42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	2,251.41	90.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0019 Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0001)*

08 38 19 00-0020 84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

08 38 19 00-0021	EA	48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,051.07	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0022	EA	56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,293.16	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0023	EA	60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,387.31	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0024	EA	64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,535.26	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0025	EA	72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,696.59	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0026	EA	80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,019.39	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0027	EA	84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,113.53	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0028 96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors *(08 38 19 00-0019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0029	EA	48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,468.01	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0030	EA	56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,656.30	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0031	EA	60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,763.90	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0032	EA	64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	3,871.50	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0033	EA	72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,248.03	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0034	EA	80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,328.73	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0035	EA	84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door	4,409.43	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0036 3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.

08 38 19 00-0037 Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*

08 38 19 00-0038 84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*

08 38 19 00-0039	EA	24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	2,782.93	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0040	EA	28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,099.00	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0041	EA	30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,233.45	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0042	EA	32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,367.95	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0043	EA	36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,415.00	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0044	EA	40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,690.72	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0045	EA	42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,959.53	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0046	EA	44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,006.60	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0047 96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0037)*

08 38 19 00-0048	EA	24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,051.93	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0049	EA	28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,381.44	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0050	EA	30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,515.89	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0051	EA	32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,684.02	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0052	EA	36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	3,811.76	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0053	EA	40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,080.76	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0054	EA	42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,208.35	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0055	EA	44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	4,376.47	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0056 Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0036)*

08 38 19 00-0057 84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0058	EA	48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	5,525.81	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0059	EA	56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,157.95	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0060	EA	60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,413.49	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0061	EA	64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,682.49	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0062	EA	72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,776.57	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0063	EA	80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,328.01	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0064	EA	84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,825.65	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0065	EA	88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,919.80	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0066 96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0056)*

08 38 19 00-0067	EA	48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,063.80	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0068	EA	56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,722.84	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0069	EA	60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	6,978.38	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0070	EA	64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,314.62	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0071	EA	72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	7,570.11	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0072	EA	80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,108.10	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0073	EA	84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,323.29	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0074	EA	88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door	8,659.53	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0075 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) *(08 38 19)*

Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.

08 38 19 00-0076 Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0077 84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0078	EA	24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,916.32	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0079	EA	28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,460.00	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0080	EA	30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,611.66	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0081	EA	32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,666.03	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0082	EA	36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,727.10	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0083	EA	40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,234.53	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,671.34	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,734.77	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0086 96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0076)*

08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,034.11	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,704.65	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,865.38	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,937.87	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,962.69	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,334.21	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,761.96	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,834.45	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0095 Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0075)*

08 38 19 00-0096 84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,792.58	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,879.94	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,169.91	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,278.64	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,400.77	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,415.64	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,249.29	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,376.15	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0105 96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors *(08 38 19 00-0095)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,028.18	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,369.26	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,677.34	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,822.33	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,871.96	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,614.99	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0112	EA	84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,430.52	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0113	EA	88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	11,575.50	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0114 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) *(08 38 19)*

Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.

08 38 19 00-0115 Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*

08 38 19 00-0116 84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0117	EA	24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	3,751.31	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0118	EA	28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,107.73	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0119	EA	30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,208.55	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0120	EA	32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,295.98	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0121	EA	36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,450.62	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0122	EA	40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,618.75	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0123	EA	42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,773.23	90.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0124	EA	44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,887.56	90.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

08 38 19 00-0125 96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0115)*

08 38 19 00-0126	EA	24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,053.93	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0127	EA	28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,430.52	73.40
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0128	EA	30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,538.07	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0129	EA	32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,585.15	76.74
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0130	EA	36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,726.34	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0131	EA	40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	4,948.26	80.07
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0132	EA	42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,075.85	90.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0133	EA	44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	5,190.17	90.08
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0134		Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0114)*		
08 38 19 00-0135		84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0136	EA	48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	7,462.57	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0137	EA	56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,175.40	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0138	EA	60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,363.70	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0139	EA	64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,538.55	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0140	EA	72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,847.83	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0141	EA	80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,184.07	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0142	EA	84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,453.07	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0143	EA	88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,681.71	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0144		96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors *(08 38 19 00-0134)*		
08 38 19 00-0145	EA	48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,067.81	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0146	EA	56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	8,820.99	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0147	EA	60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,022.73	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0148	EA	64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,116.88	126.78
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0149	EA	72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,399.27	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0150	EA	80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	9,843.11	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0151	EA	84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,058.30	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0152	EA	88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door	10,286.95	133.46
		For Each 14" x 16" Window, Add	*22.00*	
		For Each 15" x 20" Window, Add	*28.00*	
		For Each 18" x 30" Window, Add	*41.00*	
08 38 19 00-0153		1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) *(08 38 19)*		
		Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154		Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0155		84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0156	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,684.06	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0157	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,879.08	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0158	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,060.61	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0159	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,174.93	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0160	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,464.07	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0161	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,692.72	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0162	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,894.28	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0163	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,109.48	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0164		90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0165	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	3,818.56	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0166	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,053.93	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0167	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,174.93	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0168	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,336.33	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0169	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,645.65	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0170	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,921.36	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0171	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,109.48	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0172	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,311.22	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0173		96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0154)*		
08 38 19 00-0174	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,161.53	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0175	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,208.60	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0176	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,410.30	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0177	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,558.25	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0178	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	4,874.29	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0179	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,203.81	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0180	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,378.47	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0181	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	5,580.21	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0182		Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0153)*		
08 38 19 00-0183		84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0184	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,328.07	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0185	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,718.11	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0186	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,067.81	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0187	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,296.45	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0188	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,874.73	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0189	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,332.02	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0190	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,695.16	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0191	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,125.55	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0192		90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0193	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	7,597.07	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0194	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,067.81	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0195	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,296.45	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0196	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,619.24	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0197	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,237.87	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0198	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,789.31	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0199	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,125.55	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0200	EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,529.04	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0201		96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors *(08 38 19 00-0182)*		
08 38 19 00-0202	EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,283.00	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0203	EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,377.15	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0204	EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	8,767.19	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0205	EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,063.08	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0206	EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	9,695.16	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0207	EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,354.20	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0208	EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	10,663.54	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0209	EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door	11,067.03	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0210 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10) *(08 38 19)*

Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.

08 38 19 00-0211 Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*

08 38 19 00-0212 84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,684.06	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,879.08	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,060.61	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,174.93	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,464.07	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,692.72	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,894.28	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,109.48	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*

08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,818.56	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,053.93	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,174.93	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,336.33	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,645.65	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,921.36	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,109.48	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,311.22	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0230		96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0211)*		
08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,161.53	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,208.60	73.40
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,410.30	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,558.25	76.74
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,874.29	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,203.81	80.07
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,378.47	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,580.21	90.08
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0239		Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0210)*		
08 38 19 00-0240		84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0241	EA	48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,328.07	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0242	EA	56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,718.11	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0243	EA	60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,067.81	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0244	EA	64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,296.45	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0245	EA	72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,874.73	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0246	EA	80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,332.02	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0247	EA	84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,695.16	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0248	EA	88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,125.55	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0249		90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0250	EA	48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	7,597.07	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0251	EA	56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,067.81	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0252	EA	60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,296.45	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0253	EA	64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,619.24	126.78
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0254	EA	72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,237.87	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0255	EA	80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,789.31	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0256	EA	84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,125.55	133.46
		For Each 15" x 20" Window, Add	*6.00*	
		For Each 18" x 30" Window, Add	*19.00*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0257		EA	88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,529.04	133.46
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0258			96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors *(08 38 19 00-0239)*		
08 38 19 00-0259		EA	48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,283.00	126.78
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0260		EA	56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,377.15	126.78
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0261		EA	60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	8,767.19	126.78
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0262		EA	64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,063.08	126.78
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0263		EA	72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	9,695.16	133.46
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0264		EA	80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,354.20	133.46
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0265		EA	84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	10,663.54	133.46
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0266		EA	88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	11,067.03	133.46
			For Each 15" x 20" Window, Add	*6.00*	
			For Each 18" x 30" Window, Add	*19.00*	
08 38 19 00-0267			Rigid Impact Traffic Door Accessories *(08 38 19)*		
08 38 19 00-0268			Bumper Strips For Impact Traffic Doors *(08 38 19 00-0267)*		
			Note: Includes two bumpers per set.		
08 38 19 00-0269		SET	24" Wide, Bumper Strips For Impact Traffic Doors	302.21	53.39
08 38 19 00-0270		SET	30" Wide, Bumper Strips For Impact Traffic Doors	335.83	53.39
08 38 19 00-0271		SET	36" Wide, Bumper Strips For Impact Traffic Doors	362.73	53.39
08 38 19 00-0272		SET	48" Wide, Bumper Strips For Impact Traffic Doors	409.81	53.39
08 38 19 00-0273			Easy Spring Bumpers For Impact Traffic Doors *(08 38 19 00-0267)*		
			Note: Includes two bumpers per set.		
08 38 19 00-0274		SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors	846.92	53.39
08 38 19 00-0275		SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors	1,129.37	53.39
08 38 19 00-0276		SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors	1,674.08	53.39
08 38 19 00-0277		SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors	1,936.35	53.39
08 38 19 00-0278		SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors	2,205.34	53.39
08 38 19 00-0279			Scuff Plates For Impact Traffic Doors *(08 38 19 00-0267)*		
			Note: Includes two 0.090" thermoplastic plates per set.		
08 38 19 00-0280			12" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0281		SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates	362.73	53.39
08 38 19 00-0282		SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates	389.63	53.39
08 38 19 00-0283		SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates	423.26	53.39
08 38 19 00-0284		SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates	470.33	53.39
08 38 19 00-0285		SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates	497.23	53.39
08 38 19 00-0286			24" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0287		SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates	497.23	53.39
08 38 19 00-0288		SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates	618.28	53.39
08 38 19 00-0289		SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates	685.53	53.39
08 38 19 00-0290		SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates	779.67	53.39
08 38 19 00-0291		SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates	840.20	53.39
08 38 19 00-0292			30" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0293		SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates	618.28	53.39
08 38 19 00-0294		SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates	725.87	53.39
08 38 19 00-0295		SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates	806.57	53.39
08 38 19 00-0296		SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates	954.52	53.39
08 38 19 00-0297		SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates	1,055.39	53.39
08 38 19 00-0298			36" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0299		SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates	685.53	53.39
08 38 19 00-0300		SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates	806.57	53.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates	941.07	53.39
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates	1,015.04	53.39
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates	1,129.37	53.39
08 38 19 00-0304		48" High, Scuff Plates For Impact Traffic Doors *(08 38 19 00-0279)*		
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates	840.20	53.39
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates	1,055.39	53.39
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates	1,129.37	53.39
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates	1,270.59	53.39
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates	1,425.26	53.39
08 38 19 00-0310		Base Plates For Impact Traffic Doors *(08 38 19 00-0267)* Note: Includes two base plates per set.		
08 38 19 00-0311		Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0312		12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	349.28	53.39
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	376.18	53.39
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	389.63	53.39
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	450.16	53.39
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	477.06	53.39
08 38 19 00-0318		24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	450.16	53.39
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	490.51	53.39
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	530.85	53.39
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	564.48	53.39
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	618.28	53.39
08 38 19 00-0324		30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	517.40	53.39
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	551.03	53.39
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	631.73	53.39
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	719.15	53.39
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	759.50	53.39
08 38 19 00-0330		36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0331	SET	24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	551.03	53.39
08 38 19 00-0332	SET	30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	618.28	53.39
08 38 19 00-0333	SET	36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	719.15	53.39
08 38 19 00-0334	SET	42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	799.85	53.39
08 38 19 00-0335	SET	48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	846.92	53.39
08 38 19 00-0336		48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0311)*		
08 38 19 00-0337	SET	24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	705.70	53.39
08 38 19 00-0338	SET	30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	799.85	53.39
08 38 19 00-0339	SET	36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	927.62	53.39
08 38 19 00-0340	SET	42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	988.14	53.39
08 38 19 00-0341	SET	48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors	1,068.84	53.39
08 38 19 00-0342		Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0343		12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0344	SET	24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	470.33	53.39
08 38 19 00-0345	SET	30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	497.23	53.39
08 38 19 00-0346	SET	36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	577.93	53.39
08 38 19 00-0347	SET	42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	618.28	53.39
08 38 19 00-0348	SET	48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	732.60	53.39
08 38 19 00-0349		24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0350	SET	24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	658.63	53.39
08 38 19 00-0351	SET	30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	779.67	53.39
08 38 19 00-0352	SET	36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	900.72	53.39
08 38 19 00-0353	SET	42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,048.67	53.39
08 38 19 00-0354	SET	48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,183.16	53.39
08 38 19 00-0355		30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0356	SET	24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	752.77	53.39
08 38 19 00-0357	SET	30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	914.17	53.39
08 38 19 00-0358	SET	36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,062.12	53.39
08 38 19 00-0359	SET	42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,216.79	53.39
08 38 19 00-0360	SET	48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,398.36	53.39
08 38 19 00-0361		36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0362	SET	24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	873.82	53.39
08 38 19 00-0363	SET	30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,048.67	53.39
08 38 19 00-0364	SET	36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,250.41	53.39
08 38 19 00-0365	SET	42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,445.43	53.39
08 38 19 00-0366	SET	48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,613.56	53.39
08 38 19 00-0367		48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0342)*		
08 38 19 00-0368	SET	24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,089.02	53.39
08 38 19 00-0369	SET	30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,505.96	53.39
08 38 19 00-0370	SET	36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,613.56	53.39
08 38 19 00-0371	SET	42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,936.35	53.39
08 38 19 00-0372	SET	48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	2,124.64	53.39
08 38 19 00-0373		One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0310)*		
08 38 19 00-0374		12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0375	SET	24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	416.53	53.39
08 38 19 00-0376	SET	30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	450.16	53.39
08 38 19 00-0377	SET	36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	490.51	53.39
08 38 19 00-0378	SET	42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	537.58	53.39
08 38 19 00-0379	SET	48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	611.55	53.39
08 38 19 00-0380		24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0381	SET	24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	564.48	53.39
08 38 19 00-0382	SET	30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	645.18	53.39
08 38 19 00-0383	SET	36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	725.87	53.39
08 38 19 00-0384	SET	42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	813.30	53.39
08 38 19 00-0385	SET	48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	914.17	53.39
08 38 19 00-0386		30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0387	SET	24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	645.18	53.39
08 38 19 00-0388	SET	30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	746.05	53.39
08 38 19 00-0389	SET	36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	860.37	53.39
08 38 19 00-0390	SET	42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,001.59	53.39
08 38 19 00-0391	SET	48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,095.74	53.39
08 38 19 00-0392		36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0393	SET	24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	725.87	53.39
08 38 19 00-0394	SET	30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	860.37	53.39
08 38 19 00-0395	SET	36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,001.59	53.39
08 38 19 00-0396	SET	42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,142.82	53.39
08 38 19 00-0397	SET	48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,243.69	53.39
08 38 19 00-0398		48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors *(08 38 19 00-0373)*		
08 38 19 00-0399	SET	24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	914.17	53.39
08 38 19 00-0400	SET	30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,122.64	53.39
08 38 19 00-0401	SET	36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,243.69	53.39
08 38 19 00-0402	SET	42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,485.78	53.39
08 38 19 00-0403	SET	48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors	1,553.03	53.39
08 38 19 00-0404		Jamb Guards For Impact Traffic Doors *(08 38 19 00-0267)*		
08 38 19 00-0405	EA	3" x 9", Jamb Guard For Impact Traffic Doors	571.08	66.72
08 38 19 00-0406	EA	5" x 18", Jamb Guard For Impact Traffic Doors	772.83	66.72
08 38 19 00-0407	EA	5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors	1,512.56	66.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0408		**Other Impact Traffic Door Accessories** *(08 38 19 00-0267)*		
08 38 19 00-0409	EA	Push Plate For Impact Traffic Doors	140.96	33.36
08 38 19 00-0410	EA	Pull Handle For Impact Traffic Doors	188.03	33.36
08 38 19 00-0411	EA	Deadbolt Lock For Impact Traffic Doors	477.20	33.36
08 38 19 00-0412	PR	Lock Hole Reinforcements For Impact Traffic Doors	598.25	33.36
08 38 19 00-0413	PR	Padlock Brackets For Impact Traffic Doors	235.11	33.36
08 38 19 00-0414		**Impact Traffic Door Knock Down Frames** *(08 38 19)*		
		Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.		
08 38 19 00-0415		**Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0416		**84" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0417	EA	24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,401.31	100.10
08 38 19 00-0418	EA	28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,650.11	110.10
08 38 19 00-0419	EA	30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,686.30	116.77
08 38 19 00-0420	EA	32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,726.31	126.78
08 38 19 00-0421	EA	36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,765.42	133.46
08 38 19 00-0422	EA	40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,840.43	140.13
08 38 19 00-0423	EA	42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,895.06	146.81
08 38 19 00-0424	EA	44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,931.00	153.47
08 38 19 00-0425		**90" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0426	EA	24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,431.30	100.10
08 38 19 00-0427	EA	28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,685.82	110.10
08 38 19 00-0428	EA	30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,722.63	116.77
08 38 19 00-0429	EA	32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,763.13	126.78
08 38 19 00-0430	EA	36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,802.88	133.46
08 38 19 00-0431	EA	40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,879.43	140.13
08 38 19 00-0432	EA	42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,935.07	146.81
08 38 19 00-0433	EA	44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,971.62	153.47
08 38 19 00-0434		**96" Height, Single Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0415)*		
08 38 19 00-0435	EA	24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,471.18	100.10
08 38 19 00-0436	EA	28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,733.30	110.10
08 38 19 00-0437	EA	30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,770.85	116.77
08 38 19 00-0438	EA	32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,800.22	126.78
08 38 19 00-0439	EA	36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,852.64	133.46
08 38 19 00-0440	EA	40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,918.43	140.13
08 38 19 00-0441	EA	42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	1,988.26	146.81
08 38 19 00-0442	EA	44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame	2,028.51	150.13
08 38 19 00-0443		**Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0414)*		
08 38 19 00-0444		**84" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0445	EA	48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,965.63	153.47
08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	1,996.83	156.15
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,036.15	160.15
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,088.15	166.82
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,120.00	173.50
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,192.60	174.83
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,241.09	176.83
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,299.32	180.17
08 38 19 00-0453		**90" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,007.06	153.47
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,038.86	156.15
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,079.05	160.15
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,132.00	166.82
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,164.38	173.50
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,238.66	174.83
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,288.26	176.83
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,347.80	180.17
08 38 19 00-0462		**96" Height, Double Door, Impact Traffic Door Knock Down Frames** *(08 38 19 00-0443)*		
08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,055.41	153.47
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,080.82	156.15
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,136.01	160.15
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,175.85	166.82
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,223.22	173.50
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,306.58	174.83
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,350.94	176.83
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame	2,400.59	180.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 40 Entrances, Storefronts, and Curtain Walls *(08)*

08 42 Entrances *(08 40)*

08 42 13 Aluminum-Framed Entrances *(08 42)*

08 42 13 00-0001 Aluminum Framed Entrance Doors *(08 42 13)*

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2087 for exit device, 08 71 11 00-2236 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,006.24	763.96
		For Bronze Finish, Add	*428.56*	
		For Black Finish, Add	*1,230.85*	
		For 8' High Door, Add	*444.00*	
		For 10' High Door, Add	*965.22*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,145.79	839.55
		For Bronze Finish, Add	*431.33*	
		For Black Finish, Add	*1,238.82*	
		For 8' High Door, Add	*446.88*	
		For 10' High Door, Add	*971.47*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	8,404.29	1,145.71
		For Bronze Finish, Add	*742.55*	
		For Black Finish, Add	*2,132.67*	
		For 8' High Door, Add	*769.31*	
		For 10' High Door, Add	*1,672.42*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	9,798.96	1,248.44
		For Bronze Finish, Add	*879.18*	
		For Black Finish, Add	*2,525.08*	
		For 8' High Door, Add	*910.87*	
		For 10' High Door, Add	*1,980.14*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,531.62	763.96
		For Bronze Finish, Add	*486.87*	
		For Black Finish, Add	*1,398.34*	
		For 8' High Door, Add	*504.42*	
		For 10' High Door, Add	*1,096.56*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	5,703.69	839.55
		For Bronze Finish, Add	*493.26*	
		For Black Finish, Add	*1,416.68*	
		For 8' High Door, Add	*511.04*	
		For 10' High Door, Add	*1,110.95*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	9,397.51	1,145.71
		For Bronze Finish, Add	*852.80*	
		For Black Finish, Add	*2,449.31*	
		For 8' High Door, Add	*883.53*	
		For 10' High Door, Add	*1,920.73*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors Note: Including Glazing, Trim And Hardware	10,763.18	1,248.44
		For Bronze Finish, Add	*986.21*	
		For Black Finish, Add	*2,832.47*	
		For 8' High Door, Add	*1,021.75*	
		For 10' High Door, Add	*2,221.20*	
		For 1" Insulated Glazing, Add	*328.89*	

08 42 26 All-Glass Entrances *(08 42)*

08 42 26 00-0001 Full Glass Entrance Doors *(08 42 26)*

Note: Includes trim, necessary anchors, tempered glass, and standard hardware (hinges, handle, push plate, lock, closer). Excludes panic devices.

08 42 26 00-0002	EA	3' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door Note: Including Trim And Hardware	8,006.30	286.34
		For Anodized Color, Add	*1,234.97*	
		For Stainless Steel, Add	*4,459.60*	
		For 8' High Door, Add	*789.01*	
		For 10' High Door, Add	*1,715.23*	
		For 1" Insulated Glazing, Add	*164.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 26 00-0003	PR	6' x 7' x 1/2" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1/2")	14,590.53	343.61
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,331.77*	
		For Stainless Steel, Add	*8,420.30*	
		For 8' High Door, Add	*1,489.74*	
		For 10' High Door, Add	*3,238.58*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 26 00-0004	EA	3' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door	9,242.33	286.34
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,457.45*	
		For Stainless Steel, Add	*5,263.02*	
		For 8' High Door, Add	*931.15*	
		For 10' High Door, Add	*2,024.24*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 26 00-0005	PR	6' x 7' x 5/8" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 5/8")	17,251.79	343.61
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,810.80*	
		For Stainless Steel, Add	*10,150.11*	
		For 8' High Door, Add	*1,795.79*	
		For 10' High Door, Add	*3,903.89*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 26 00-0006	EA	3' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door	10,473.52	286.34
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*1,679.07*	
		For Stainless Steel, Add	*6,063.30*	
		For 8' High Door, Add	*1,072.74*	
		For 10' High Door, Add	*2,332.04*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 26 00-0007	PR	6' x 7' x 3/4" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 3/4")	19,908.71	343.61
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*3,289.05*	
		For Stainless Steel, Add	*11,877.11*	
		For 8' High Door, Add	*2,101.34*	
		For 10' High Door, Add	*4,568.12*	
		For 1" Insulated Glazing, Add	*328.89*	
08 42 26 00-0008	EA	3' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door	12,940.68	286.34
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*2,123.16*	
		For Stainless Steel, Add	*7,666.95*	
		For 8' High Door, Add	*1,356.46*	
		For 10' High Door, Add	*2,948.83*	
		For 1" Insulated Glazing, Add	*164.44*	
08 42 26 00-0009	PR	6' x 7' x 1" Thick, Full Glass, Tempered, Glass Entrance Door (Per Pair 3' x 7' x 1")	25,226.85	343.61
		Note: Including Trim And Hardware		
		For Anodized Color, Add	*4,246.31*	
		For Stainless Steel, Add	*15,333.90*	
		For 8' High Door, Add	*2,712.92*	
		For 10' High Door, Add	*5,897.66*	
		For 1" Insulated Glazing, Add	*328.89*	

08 42 26 00-0010 Frames For Full Glass Doors *(08 42 26)*

08 42 26 00-0011	LF	Glass Entrance Door, Light Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	34.82	3.43
08 42 26 00-0012	LF	Glass Entrance Door, Heavy Weight Aluminum Frame, 1/8" x 17" Shaped Jamb - Head	44.71	4.58

08 42 29 Automatic Entrances *(08 42)*

08 42 29 23 Sliding Automatic Entrances *(08 42 29)*

Note: Power-operated automatic sliding doors may be used as emergency egress doors as they can break-out in the direction of egress. Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.

08 42 29 23-0001 Bronze Finished Framed Sliding Automatic Entrances *(08 42 29 23)*

08 42 29 23-0002 2 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*

Note: Single sliding.

08 42 29 23-0003	EA	5'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	4,784.10	114.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*341.63*	
		For Emergency Egress On All Panels, Add	*911.01*	
08 42 29 23-0004	EA	6'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,271.93	154.63
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*372.20*	
		For Emergency Egress On All Panels, Add	*992.54*	
08 42 29 23-0005	EA	7'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	5,729.06	171.81
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*403.91*	
		For Emergency Egress On All Panels, Add	*1,077.09*	
08 42 29 23-0006	EA	8'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	6,172.57	188.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*434.60*	
		For Emergency Egress On All Panels, Add	*1,158.92*	
08 42 29 23-0007	EA	10'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,141.73	229.07
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*576.27*	
		For Emergency Egress On All Panels, Add	*1,536.72*	
08 42 29 23-0008	EA	12'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	8,403.27	269.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*589.87*	
		For Emergency Egress On All Panels, Add	*1,572.99*	
08 42 29 23-0009	EA	15'-0" x 6'-8" 2 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,316.35	309.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*802.34*	
		For Emergency Egress On All Panels, Add	*2,139.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0010		4 Panel, Bronze Finished Framed Sliding Automatic Entrance *(08 42 29 23-0001)*		
		Note: Bi-parting.		
08 42 29 23-0011	EA	12'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	9,487.04	286.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.58*	
		For Emergency Egress On All Panels, Add	*1,782.87*	
08 42 29 23-0012	EA	14'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	10,400.41	314.97
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*732.78*	
		For Emergency Egress On All Panels, Add	*1,954.09*	
08 42 29 23-0013	EA	16'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	11,313.78	343.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*796.99*	
		For Emergency Egress On All Panels, Add	*2,125.31*	
08 42 29 23-0014	EA	18'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	13,750.13	372.24
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*975.42*	
		For Emergency Egress On All Panels, Add	*2,601.13*	
08 42 29 23-0015	EA	20'-0" x 6'-8" 4 Panel, Bronze Finished Framed Sliding Automatic Entrance	16,186.51	400.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,153.86*	
		For Emergency Egress On All Panels, Add	*3,076.95*	
08 42 29 23-0016		Aluminum Finished Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0017		2 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*		
		Note: Single sliding.		
08 42 29 23-0018	EA	5'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,354.96	114.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*309.44*	
		For Emergency Egress On All Panels, Add	*825.18*	
08 42 29 23-0019	EA	6'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	4,804.43	154.63
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*337.14*	
		For Emergency Egress On All Panels, Add	*899.04*	
08 42 29 23-0020	EA	7'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,213.84	171.81
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*365.27*	
		For Emergency Egress On All Panels, Add	*974.05*	
08 42 29 23-0021	EA	8'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	5,626.66	188.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*393.65*	
		For Emergency Egress On All Panels, Add	*1,049.74*	
08 42 29 23-0022	EA	10'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,417.92	229.07
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*521.98*	
		For Emergency Egress On All Panels, Add	*1,391.95*	
08 42 29 23-0023	EA	12'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	7,662.33	269.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*534.30*	
		For Emergency Egress On All Panels, Add	*1,424.80*	
08 42 29 23-0024	EA	15'-0" x 6'-8" 2 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,308.62	309.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*726.76*	
		For Emergency Egress On All Panels, Add	*1,938.02*	
08 42 29 23-0025		4 Panel, Aluminum Finished Framed Sliding Automatic Entrance *(08 42 29 23-0016)*		
		Note: Bi-parting.		
08 42 29 23-0026	EA	12'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	8,647.28	286.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*605.60*	
		For Emergency Egress On All Panels, Add	*1,614.92*	
08 42 29 23-0027	EA	14'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	9,479.96	314.97
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*663.75*	
		For Emergency Egress On All Panels, Add	*1,770.00*	
08 42 29 23-0028	EA	16'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	10,312.64	343.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*721.91*	
		For Emergency Egress On All Panels, Add	*1,925.08*	
08 42 29 23-0029	EA	18'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	12,524.92	372.24
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*883.53*	
		For Emergency Egress On All Panels, Add	*2,356.09*	
08 42 29 23-0030	EA	20'-0" x 6'-8" 4 Panel, Aluminum Finished Framed Sliding Automatic Entrance	14,737.22	400.76
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,045.16*	
		For Emergency Egress On All Panels, Add	*2,787.09*	
08 42 29 23-0031		Stainless Steel Framed Sliding Automatic Entrances *(08 42 29 23)*		
08 42 29 23-0032		2 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Single sliding.		
08 42 29 23-0033	EA	5'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	5,509.39	114.53
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*396.02*	
		For Emergency Egress On All Panels, Add	*1,056.06*	
08 42 29 23-0034	EA	6'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	6,062.19	154.63
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*431.47*	
		For Emergency Egress On All Panels, Add	*1,150.59*	
08 42 29 23-0035	EA	7'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	7,060.89	171.81
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*503.80*	
		For Emergency Egress On All Panels, Add	*1,343.46*	
08 42 29 23-0036	EA	8'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	8,118.13	188.99
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*580.51*	
		For Emergency Egress On All Panels, Add	*1,548.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 29 23-0037	EA	10'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,365.26	229.07
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*668.03*	
		For Emergency Egress On All Panels, Add	*1,781.42*	
08 42 29 23-0038	EA	12'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	9,655.62	269.16
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*683.80*	
		For Emergency Egress On All Panels, Add	*1,823.46*	
08 42 29 23-0039	EA	15'-0" x 6'-8" 2 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,019.92	309.25
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*930.11*	
		For Emergency Egress On All Panels, Add	*2,480.28*	
08 42 29 23-0040		4 Panel, Stainless Steel Framed Sliding Automatic Entrance *(08 42 29 23-0031)*		
		Note: Bi-parting.		
08 42 29 23-0041	EA	12'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	10,906.56	286.34
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*775.04*	
		For Emergency Egress On All Panels, Add	*2,066.78*	
08 42 29 23-0042	EA	14'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	11,956.20	314.97
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*849.47*	
		For Emergency Egress On All Panels, Add	*2,265.25*	
08 42 29 23-0043	EA	16'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	13,005.84	343.61
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*923.90*	
		For Emergency Egress On All Panels, Add	*2,463.72*	
08 42 29 23-0044	EA	18'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	15,821.09	372.24
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,130.75*	
		For Emergency Egress On All Panels, Add	*3,015.32*	
08 42 29 23-0045	EA	20'-0" x 6'-8" 4 Panel, Stainless Steel Framed Sliding Automatic Entrance	18,636.36	400.87
		For 7'-8" Frame Height (6'-11" Clear Door Opening Height), Add	*1,337.60*	
		For Emergency Egress On All Panels, Add	*3,566.92*	
08 42 29 23-0046		Accessories For Sliding Automatic Entrances *(08 42 29 23)*		
		See CSI section 08 42 29 33-0006 for eye operators.		
08 42 29 23-0047	EA	Automatic 2 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	10,596.47	1,334.58
		Note: Includes motor for pair of sliding doors (2 panels).		
08 42 29 23-0048	EA	Automatic 4 Panel Sliding Door Motor, Activation Eye Or Push Button Controls	18,068.33	2,001.86
		Note: Includes motor for pair of sliding doors (4 panel).		
08 42 29 33		**Swinging Automatic Entrances** *(08 42 29)*		
		Note: Excludes glazing.		
08 42 29 33-0001		Swing Door Operators, Up To 350 Lb. Panel Weight *(08 42 29 33)*		
		Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 Lb. Panel	4,217.25	510.23
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	7,414.66	680.35
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 Lb. Panel	3,519.89	408.18
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 Lb. Panel	6,426.95	612.28
08 42 29 33-0006		Activation Devices For Door Operators *(08 42 29 33)*		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	434.42	40.82
		Note: Includes wiring harness and relays.		
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)	384.41	40.82
		Note: Includes wiring harness and relays.		
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38)	388.40	40.82
		Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)	190.15	40.82
		Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)	205.91	40.82
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA	1-11/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)	125.56	40.82
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath)	642.05	102.05
		Note: Includes receiver and two push plate transmitters.		
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	*-64.00*	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)	946.86	51.02
		Note: Includes wiring harness and relays.		
08 42 29 33-0015	EA	Guard Rail For Door With Operator	238.04	51.02
08 42 33		**Revolving Door Entrances** *(08 42)*		
08 42 33 00-0001		Aluminum Revolving Doors *(08 42 33)*		
		Note: Includes 3/4" tempered glass.		
08 42 33 00-0002	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	41,200.57	6,876.18
		For Automatic Controls, Add	*8,631.94*	
		For Powder Coated, Add	*1,560.65*	
08 42 33 00-0003	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	55,957.16	10,314.42
		For Automatic Controls, Add	*10,522.91*	
		For Powder Coated, Add	*1,961.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 42 33 00-0004	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Aluminum, With Frame And Hardware	84,298.54	12,377.25
		For Automatic Controls, Add	*11,657.49*	
		For Powder Coated, Add	*3,468.10*	
08 42 33 00-0005	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	45,833.26	7,563.74
		For Automatic Controls, Add	*9,017.85*	
		For Powder Coated, Add	*1,747.75*	
08 42 33 00-0006	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	61,918.55	11,346.23
		For Automatic Controls, Add	*11,038.63*	
		For Powder Coated, Add	*2,196.25*	
08 42 33 00-0007	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Aluminum, With Frame And Hardware	94,133.43	13,614.98
		For Automatic Controls, Add	*12,413.88*	
		For Powder Coated, Add	*3,883.89*	

08 42 33 00-0008 Stainless Steel Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0009	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	42,235.10	6,876.18
		For Automatic Controls, Add	*8,631.94*	
08 42 33 00-0010	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	57,257.18	10,314.42
		For Automatic Controls, Add	*10,522.91*	
08 42 33 00-0011	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Stainless Steel, With Frame And Hardware	86,597.51	12,377.25
		For Automatic Controls, Add	*11,657.49*	
08 42 33 00-0012	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	46,994.59	7,563.74
		For Automatic Controls, Add	*9,017.85*	
08 42 33 00-0013	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	63,377.89	11,346.23
		For Automatic Controls, Add	*11,038.63*	
08 42 33 00-0014	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Stainless Steel, With Frame And Hardware	96,714.16	13,614.98
		For Automatic Controls, Add	*12,413.88*	

08 42 33 00-0015 Bronze Revolving Doors *(08 42 33)*

Note: Includes 3/4" tempered glass.

08 42 33 00-0016	EA	4'-6" To 5' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	38,586.68	6,876.18
		For Automatic Controls, Add	*8,631.94*	
08 42 33 00-0017	EA	5'-6" To 6' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	52,672.51	10,314.42
		For Automatic Controls, Add	*10,522.91*	
08 42 33 00-0018	EA	6'-6" To 7' Diameter Revolving Door 6'-10" To 7' High Door, Bronze, With Frame And Hardware	78,489.89	12,377.25
		For Automatic Controls, Add	*11,657.49*	
08 42 33 00-0019	EA	4'-6" To 5' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	42,908.35	7,563.74
		For Automatic Controls, Add	*9,017.85*	
08 42 33 00-0020	EA	5'-6" To 6' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	58,243.07	11,346.23
		For Automatic Controls, Add	*11,038.63*	
08 42 33 00-0021	EA	6'-6" To 7' Diameter Revolving Door 7'-2" To 8' High Door, Bronze, With Frame And Hardware	87,633.63	13,614.98
		For Automatic Controls, Add	*12,413.88*	

08 42 36 Balanced Door Entrances *(08 42)*

08 42 36 00-0001 Balanced Doors, With Glass *(08 42 36)*

Note: Includes 3/4" tempered glass, check and door guide, top pivot with bearing, torsion bar closer spring, bottom arm, semi-automatic hold open device, floor box, door roller guide, bottom pivot, top arm.

08 42 36 00-0002	EA	2'-6" x 7'-0" Balanced Door, Stainless Steel	14,653.64	367.57
		For Bronze Instead Of Stainless Steel, Deduct	*-3,433.60*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,373.44*	
		For Tinted Glass, Add	*686.72*	
		For Aluminum, Painted Finish, Deduct	*-4,120.32*	
08 42 36 00-0003	EA	3'-0" x 7'-0" Balanced Door, Stainless Steel	15,211.39	367.57
		For Bronze Instead Of Stainless Steel, Deduct	*-3,573.04*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,429.22*	
		For Tinted Glass, Add	*714.61*	
		For Aluminum, Painted Finish, Deduct	*-4,287.65*	
08 42 36 00-0004	EA	3'-6" x 7'-0" Balanced Door, Stainless Steel	16,566.03	367.57
		For Bronze Instead Of Stainless Steel, Deduct	*-3,911.70*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,564.68*	
		For Tinted Glass, Add	*782.34*	
		For Aluminum, Painted Finish, Deduct	*-4,694.04*	
08 42 36 00-0005	EA	4'-0" x 7'-0" Balanced Door, Stainless Steel	18,159.77	367.57
		For Bronze Instead Of Stainless Steel, Deduct	*-4,310.14*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*1,724.05*	
		For Tinted Glass, Add	*862.03*	
		For Aluminum, Painted Finish, Deduct	*-5,172.16*	
08 42 36 00-0006	PR	Pair 3'-0" x 7'-0" Balanced Door, Stainless Steel	30,330.90	698.62
		For Bronze Instead Of Stainless Steel, Deduct	*-7,146.09*	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*2,858.44*	
		For Tinted Glass, Add	*1,429.22*	
		For Aluminum, Painted Finish, Deduct	*-8,575.31*	

08 43 Storefronts *(08 40)*

08 43 13 Aluminum-Framed Storefronts *(08 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0001		**Aluminum Storefront Framing Assembly** *(08 43 13)* Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.		
08 43 13 00-0002		**1-3/4" x 4-1/2" Frame, Aluminum Storefront Framing Assembly** *(08 43 13 00-0001)* Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0003	SF	5' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.24	8.41
		For Various Color Class I Anodized Finish, Add	*1.11*	
		For Black Color Class I Anodized Finish, Add	*3.33*	
08 43 13 00-0004	SF	6' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.07	7.57
		For Various Color Class I Anodized Finish, Add	*1.00*	
		For Black Color Class I Anodized Finish, Add	*2.99*	
08 43 13 00-0005	SF	7' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.80	6.98
		For Various Color Class I Anodized Finish, Add	*0.91*	
		For Black Color Class I Anodized Finish, Add	*2.74*	
08 43 13 00-0006	SF	8' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.11	6.53
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.56*	
08 43 13 00-0007	SF	9' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.78	6.18
		For Various Color Class I Anodized Finish, Add	*0.80*	
		For Black Color Class I Anodized Finish, Add	*2.41*	
08 43 13 00-0008	SF	10' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.73	5.91
		For Various Color Class I Anodized Finish, Add	*0.77*	
		For Black Color Class I Anodized Finish, Add	*2.30*	
08 43 13 00-0009	SF	11' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.86	5.68
		For Various Color Class I Anodized Finish, Add	*0.74*	
		For Black Color Class I Anodized Finish, Add	*2.21*	
08 43 13 00-0010	SF	12' High, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.15	5.49
		For Various Color Class I Anodized Finish, Add	*0.71*	
		For Black Color Class I Anodized Finish, Add	*2.13*	
08 43 13 00-0011		**1-3/4" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly** *(08 43 13 00-0001)* Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0012	SF	5' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.75	11.00
		For Various Color Class I Anodized Finish, Add	*1.45*	
		For Black Color Class I Anodized Finish, Add	*4.35*	
08 43 13 00-0013	SF	6' High With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	35.96	9.74
		For Various Color Class I Anodized Finish, Add	*1.28*	
		For Black Color Class I Anodized Finish, Add	*3.83*	
08 43 13 00-0014	SF	7' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.66	8.82
		For Various Color Class I Anodized Finish, Add	*1.16*	
		For Black Color Class I Anodized Finish, Add	*3.47*	
08 43 13 00-0015	SF	8' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.11	8.14
		For Various Color Class I Anodized Finish, Add	*1.06*	
		For Black Color Class I Anodized Finish, Add	*3.19*	
08 43 13 00-0016	SF	9' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.12	7.56
		For Various Color Class I Anodized Finish, Add	*0.99*	
		For Black Color Class I Anodized Finish, Add	*2.98*	
08 43 13 00-0017	SF	10' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.48	7.22
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.81*	
08 43 13 00-0018	SF	11' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	25.25	6.87
		For Various Color Class I Anodized Finish, Add	*0.89*	
		For Black Color Class I Anodized Finish, Add	*2.67*	
08 43 13 00-0019	SF	12' High, With Horizontal Mullion, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.14	6.53
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.55*	
08 43 13 00-0020		**1-3/4" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly** *(08 43 13 00-0001)* Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0021	SF	5' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	50.30	13.51
		For Various Color Class I Anodized Finish, Add	*1.79*	
		For Black Color Class I Anodized Finish, Add	*5.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0022	SF	6' High With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	44.00	11.79
		For Various Color Class I Anodized Finish, Add	*1.56*	
		For Black Color Class I Anodized Finish, Add	*4.68*	
08 43 13 00-0023	SF	7' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.45	10.65
		For Various Color Class I Anodized Finish, Add	*1.40*	
		For Black Color Class I Anodized Finish, Add	*4.19*	
08 43 13 00-0024	SF	8' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.04	9.74
		For Various Color Class I Anodized Finish, Add	*1.28*	
		For Black Color Class I Anodized Finish, Add	*3.83*	
08 43 13 00-0025	SF	9' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.32	9.04
		For Various Color Class I Anodized Finish, Add	*1.18*	
		For Black Color Class I Anodized Finish, Add	*3.54*	
08 43 13 00-0026	SF	10' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.26	8.48
		For Various Color Class I Anodized Finish, Add	*1.11*	
		For Black Color Class I Anodized Finish, Add	*3.32*	
08 43 13 00-0027	SF	11' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.55	8.02
		For Various Color Class I Anodized Finish, Add	*1.04*	
		For Black Color Class I Anodized Finish, Add	*3.13*	
08 43 13 00-0028	SF	12' High, With Two Horizontal Mullions, 1-3/4" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.11	7.67
		For Various Color Class I Anodized Finish, Add	*0.99*	
		For Black Color Class I Anodized Finish, Add	*2.98*	

08 43 13 00-0029 2" x 4-1/2" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0030	SF	5' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	32.18	8.82
		For Various Color Class I Anodized Finish, Add	*1.13*	
		For Black Color Class I Anodized Finish, Add	*3.40*	
08 43 13 00-0031	SF	6' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.91	7.91
		For Various Color Class I Anodized Finish, Add	*1.01*	
		For Black Color Class I Anodized Finish, Add	*3.04*	
08 43 13 00-0032	SF	7' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.46	7.33
		For Various Color Class I Anodized Finish, Add	*0.93*	
		For Black Color Class I Anodized Finish, Add	*2.78*	
08 43 13 00-0033	SF	8' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.69	6.87
		For Various Color Class I Anodized Finish, Add	*0.86*	
		For Black Color Class I Anodized Finish, Add	*2.59*	
08 43 13 00-0034	SF	9' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	23.29	6.41
		For Various Color Class I Anodized Finish, Add	*0.81*	
		For Black Color Class I Anodized Finish, Add	*2.44*	
08 43 13 00-0035	SF	10' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	22.28	6.18
		For Various Color Class I Anodized Finish, Add	*0.77*	
		For Black Color Class I Anodized Finish, Add	*2.32*	
08 43 13 00-0036	SF	11' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	21.26	5.95
		For Various Color Class I Anodized Finish, Add	*0.74*	
		For Black Color Class I Anodized Finish, Add	*2.22*	
08 43 13 00-0037	SF	12' High, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	20.57	5.73
		For Various Color Class I Anodized Finish, Add	*0.71*	
		For Black Color Class I Anodized Finish, Add	*2.14*	

08 43 13 00-0038 2" x 4-1/2" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0039	SF	5' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	42.65	11.91
		For Various Color Class I Anodized Finish, Add	*1.47*	
		For Black Color Class I Anodized Finish, Add	*4.42*	
08 43 13 00-0040	SF	6' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	37.52	10.53
		For Various Color Class I Anodized Finish, Add	*1.30*	
		For Black Color Class I Anodized Finish, Add	*3.89*	
08 43 13 00-0041	SF	7' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.92	9.51
		For Various Color Class I Anodized Finish, Add	*1.17*	
		For Black Color Class I Anodized Finish, Add	*3.51*	
08 43 13 00-0042	SF	8' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.20	8.82
		For Various Color Class I Anodized Finish, Add	*1.08*	
		For Black Color Class I Anodized Finish, Add	*3.23*	
08 43 13 00-0043	SF	9' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.18	8.25
		For Various Color Class I Anodized Finish, Add	*1.00*	
		For Black Color Class I Anodized Finish, Add	*3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0044	SF	10' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.38	7.78
		For Various Color Class I Anodized Finish, Add	*0.94*	
		For Black Color Class I Anodized Finish, Add	*2.83*	
08 43 13 00-0045	SF	11' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.01	7.33
		For Various Color Class I Anodized Finish, Add	*0.89*	
		For Black Color Class I Anodized Finish, Add	*2.68*	
08 43 13 00-0046	SF	12' High With Horizontal Mullion, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	24.88	6.99
		For Various Color Class I Anodized Finish, Add	*0.85*	
		For Black Color Class I Anodized Finish, Add	*2.56*	

08 43 13 00-0047 2" x 4-1/2" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0048	SF	5' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	51.62	14.20
		For Various Color Class I Anodized Finish, Add	*1.81*	
		For Black Color Class I Anodized Finish, Add	*5.44*	
08 43 13 00-0049	SF	6' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	45.09	12.37
		For Various Color Class I Anodized Finish, Add	*1.58*	
		For Black Color Class I Anodized Finish, Add	*4.74*	
08 43 13 00-0050	SF	7' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.37	11.11
		For Various Color Class I Anodized Finish, Add	*1.41*	
		For Black Color Class I Anodized Finish, Add	*4.24*	
08 43 13 00-0051	SF	8' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.91	10.19
		For Various Color Class I Anodized Finish, Add	*1.29*	
		For Black Color Class I Anodized Finish, Add	*3.86*	
08 43 13 00-0052	SF	9' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.15	9.40
		For Various Color Class I Anodized Finish, Add	*1.19*	
		For Black Color Class I Anodized Finish, Add	*3.57*	
08 43 13 00-0053	SF	10' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.93	8.82
		For Various Color Class I Anodized Finish, Add	*1.11*	
		For Black Color Class I Anodized Finish, Add	*3.34*	
08 43 13 00-0054	SF	11' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	30.18	8.36
		For Various Color Class I Anodized Finish, Add	*1.05*	
		For Black Color Class I Anodized Finish, Add	*3.14*	
08 43 13 00-0055	SF	12' High With Two Horizontal Mullions, 2" x 4-1/2" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.61	8.02
		For Various Color Class I Anodized Finish, Add	*1.00*	
		For Black Color Class I Anodized Finish, Add	*2.99*	

08 43 13 00-0056 2-1/2" x 5" Frame, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*

Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.

08 43 13 00-0057	SF	5' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.29	9.04
		For Various Color Class I Anodized Finish, Add	*1.60*	
		For Black Color Class I Anodized Finish, Add	*4.80*	
08 43 13 00-0058	SF	6' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.24	8.14
		For Various Color Class I Anodized Finish, Add	*1.44*	
		For Black Color Class I Anodized Finish, Add	*4.32*	
08 43 13 00-0059	SF	7' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.40	7.44
		For Various Color Class I Anodized Finish, Add	*1.32*	
		For Black Color Class I Anodized Finish, Add	*3.97*	
08 43 13 00-0060	SF	8' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.28	6.99
		For Various Color Class I Anodized Finish, Add	*1.24*	
		For Black Color Class I Anodized Finish, Add	*3.71*	
08 43 13 00-0061	SF	9' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	29.59	6.65
		For Various Color Class I Anodized Finish, Add	*1.17*	
		For Black Color Class I Anodized Finish, Add	*3.51*	
08 43 13 00-0062	SF	10' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	28.24	6.30
		For Various Color Class I Anodized Finish, Add	*1.12*	
		For Black Color Class I Anodized Finish, Add	*3.35*	
08 43 13 00-0063	SF	11' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	27.17	6.07
		For Various Color Class I Anodized Finish, Add	*1.07*	
		For Black Color Class I Anodized Finish, Add	*3.22*	
08 43 13 00-0064	SF	12' High, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	26.21	5.84
		For Various Color Class I Anodized Finish, Add	*1.04*	
		For Black Color Class I Anodized Finish, Add	*3.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 13 00-0065		2-1/2" x 5" Frame With Horizontal Mullion, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, single horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0066	SF	5' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	53.16	12.15
		For Various Color Class I Anodized Finish, Add	*2.08*	
		For Black Color Class I Anodized Finish, Add	*6.25*	
08 43 13 00-0067	SF	6' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.95	10.77
		For Various Color Class I Anodized Finish, Add	*1.84*	
		For Black Color Class I Anodized Finish, Add	*5.52*	
08 43 13 00-0068	SF	7' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	42.59	9.74
		For Various Color Class I Anodized Finish, Add	*1.67*	
		For Black Color Class I Anodized Finish, Add	*5.01*	
08 43 13 00-0069	SF	8' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	39.29	8.93
		For Various Color Class I Anodized Finish, Add	*1.54*	
		For Black Color Class I Anodized Finish, Add	*4.62*	
08 43 13 00-0070	SF	9' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.70	8.36
		For Various Color Class I Anodized Finish, Add	*1.44*	
		For Black Color Class I Anodized Finish, Add	*4.32*	
08 43 13 00-0071	SF	10' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	34.67	7.91
		For Various Color Class I Anodized Finish, Add	*1.36*	
		For Black Color Class I Anodized Finish, Add	*4.08*	
08 43 13 00-0072	SF	11' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	33.00	7.56
		For Various Color Class I Anodized Finish, Add	*1.29*	
		For Black Color Class I Anodized Finish, Add	*3.88*	
08 43 13 00-0073	SF	12' High with Horizontal Mullion, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	31.51	7.22
		For Various Color Class I Anodized Finish, Add	*1.24*	
		For Black Color Class I Anodized Finish, Add	*3.71*	
08 43 13 00-0074		2-1/2" x 5" Frame With Two Horizontal Mullions, Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
		Note: Includes subsill flashing, clear class II finish frames (sill, head jamb, vertical wall jamb, two horizontal mullion), fasteners, caulking and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing.		
08 43 13 00-0075	SF	5' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	64.19	14.20
		For Various Color Class I Anodized Finish, Add	*2.57*	
		For Black Color Class I Anodized Finish, Add	*7.70*	
08 43 13 00-0076	SF	6' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	56.41	12.60
		For Various Color Class I Anodized Finish, Add	*2.24*	
		For Black Color Class I Anodized Finish, Add	*6.73*	
08 43 13 00-0077	SF	7' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	50.64	11.34
		For Various Color Class I Anodized Finish, Add	*2.01*	
		For Black Color Class I Anodized Finish, Add	*6.04*	
08 43 13 00-0078	SF	8' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	46.39	10.31
		For Various Color Class I Anodized Finish, Add	*1.84*	
		For Black Color Class I Anodized Finish, Add	*5.53*	
08 43 13 00-0079	SF	9' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	43.00	9.62
		For Various Color Class I Anodized Finish, Add	*1.71*	
		For Black Color Class I Anodized Finish, Add	*5.12*	
08 43 13 00-0080	SF	10' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	40.30	9.04
		For Various Color Class I Anodized Finish, Add	*1.60*	
		For Black Color Class I Anodized Finish, Add	*4.80*	
08 43 13 00-0081	SF	11' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	38.04	8.48
		For Various Color Class I Anodized Finish, Add	*1.51*	
		For Black Color Class I Anodized Finish, Add	*4.54*	
08 43 13 00-0082	SF	12' High With Two Horizontal Mullions, 2-1/2" x 5" Frame, Vertical Mullions 4' On Center, Aluminum Storefront Framing Assembly	36.25	8.14
		For Various Color Class I Anodized Finish, Add	*1.44*	
		For Black Color Class I Anodized Finish, Add	*4.32*	
08 43 13 00-0083		Accessories For Aluminum Storefront Framing Assembly *(08 43 13 00-0001)*		
08 43 13 00-0084	LF	For 3/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	40.93	7.62
08 43 13 00-0085	LF	For 1-1/4" x 4-3/16" x 10 Gauge Galvanized Steel Reinforcing, Storefront Framing	46.73	8.39
08 43 13 00-0086	LF	For 1-7/16" x 4-5/8" x 1/4" Steel Reinforcing, Storefront Framing	72.42	9.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 43 19		**Stainless-Steel-Framed Storefronts** *(08 43)*		
08 43 19 00-0001		Stainless Steel Storefront Framing Assembly *(08 43 19)* Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 43 13 00-0083 for reinforcing steel (where required), 08 81 23 13-0000 for appropriate glazing material.		
08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	55.59	5.73
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	*4.69*	
08 44		**Curtain Wall and Glazed Assemblies** *(08 40)*		
08 44 13		**Glazed Aluminum Curtain Walls** *(08 44)*		
08 44 13 00-0001		Curtain Walls *(08 44 13)*		
08 44 13 00-0002		Coping Sections *(08 44 13 00-0001)*		
08 44 13 00-0003	LF	Curtain Wall, 1/8" x 8" Coping Section Shaped (3") Aluminum System Framing Section	71.08	3.43
		For Bronze Anodized Aluminum, Add	*7.65*	
		For Stainless Steel, Add	*31.60*	
		For Black Anodized Finish, Add	*13.77*	
08 44 13 00-0004	LF	Curtain Wall, 1/8" x 9" Coping Section Shaped (4") Aluminum System Framing Section	73.80	3.43
		For Bronze Anodized Aluminum, Add	*8.06*	
		For Stainless Steel, Add	*33.23*	
		For Black Anodized Finish, Add	*14.50*	
08 44 13 00-0005	LF	Curtain Wall, 1/8" x 12-1/2" Coping Section Shaped (5-1/2") Aluminum Framing Section	88.78	4.58
		For Bronze Anodized Aluminum, Add	*9.56*	
		For Stainless Steel, Add	*39.50*	
		For Black Anodized Finish, Add	*17.21*	
08 44 13 00-0006		Sill Section *(08 44 13 00-0001)*		
08 44 13 00-0007	LF	Aluminum Curtain Wall, 1/8" x 6" Sill Section Shaped Aluminum System Framing Section	59.81	2.29
		For Bronze Anodized Aluminum, Add	*6.85*	
		For Stainless Steel, Add	*28.11*	
		For Black Anodized Finish, Add	*12.33*	
08 44 13 00-0008	LF	Aluminum Curtain Wall, 1/8" x 7" Sill Section Shaped Aluminum System Framing Section	64.69	2.29
		For Bronze Anodized Aluminum, Add	*7.58*	
		For Stainless Steel, Add	*31.04*	
		For Black Anodized Finish, Add	*13.65*	
08 44 13 00-0009	LF	Aluminum Curtain Wall, 1/8" x 8-1/2" Sill Section Shaped Aluminum System Framing Section	69.63	2.29
		For Bronze Anodized Aluminum, Add	*8.32*	
		For Stainless Steel, Add	*34.00*	
		For Black Anodized Finish, Add	*14.98*	
08 44 13 00-0010		Aluminum Column Covers *(08 44 13 00-0001)* Note: Includes all clips and fasteners.		
08 44 13 00-0011	LF	Aluminum Column Covers, 1/8" x 26", Shaped	143.66	5.73
		For Bronze Anodized Aluminum, Add	*16.71*	
		For Stainless Steel, Add	*68.45*	
		For Black Anodized Finish, Add	*30.08*	
08 44 13 00-0012	LF	Aluminum Column Covers, 1/8" x 34", Shaped	176.40	5.73
		For Bronze Anodized Aluminum, Add	*21.33*	
		For Stainless Steel, Add	*87.04*	
		For Black Anodized Finish, Add	*38.40*	
08 44 13 00-0013	LF	Aluminum Column Covers, 1/8" x 38", Shaped	189.01	5.73
		For Bronze Anodized Aluminum, Add	*23.22*	
		For Stainless Steel, Add	*94.60*	
		For Black Anodized Finish, Add	*41.80*	
08 44 13 00-0014		Spandrel Covers *(08 44 13 00-0001)* Note: Where exterior facing only is described in the following the interior face will be tempered hardboard (to be painted).		
08 44 13 00-0015	SF	1" Spandrel Cover, Aluminum Both Faces	57.94	2.29
		For Bronze Anodized Aluminum, Add	*7.25*	
		For Stainless Steel, Add	*29.47*	
		For Black Anodized Finish, Add	*13.04*	
08 44 13 00-0016	SF	1" Spandrel Cover, Aluminum Exterior Face	50.77	2.29
		For Bronze Anodized Aluminum, Add	*6.17*	
		For Stainless Steel, Add	*25.17*	
		For Black Anodized Finish, Add	*11.11*	
08 44 13 00-0017	SF	1" Spandrel Cover, Epoxy Both Faces	110.12	2.29
		For Bronze Anodized Aluminum, Add	*15.07*	
		For Stainless Steel, Add	*60.78*	
		For Black Anodized Finish, Add	*27.13*	
08 44 13 00-0018	SF	1" Spandrel Cover, Epoxy Exterior Face Only	89.91	2.29
		For Bronze Anodized Aluminum, Add	*12.04*	
		For Stainless Steel, Add	*48.65*	
		For Black Anodized Finish, Add	*21.68*	
08 44 13 00-0019	SF	2" Spandrel Cover, Aluminum Both Faces	65.12	2.29
		For Bronze Anodized Aluminum, Add	*7.95*	
		For Stainless Steel, Add	*32.40*	
		For Black Anodized Finish, Add	*14.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0020	SF	2" Spandrel Cover, Aluminum Exterior Face	58.34	2.29
		For Bronze Anodized Aluminum, Add	*6.93*	
		For Stainless Steel, Add	*28.33*	
		For Black Anodized Finish, Add	*12.48*	
08 44 13 00-0021	SF	2" Spandrel Cover, Epoxy Both Faces	125.86	2.29
		For Bronze Anodized Aluminum, Add	*17.06*	
		For Stainless Steel, Add	*68.84*	
		For Black Anodized Finish, Add	*30.71*	
08 44 13 00-0022	SF	2" Spandrel Cover, Epoxy Exterior Face Only	102.54	2.29
		For Bronze Anodized Aluminum, Add	*13.56*	
		For Stainless Steel, Add	*54.85*	
		For Black Anodized Finish, Add	*24.41*	
08 44 13 00-0023		**Curtain Wall, Aluminum System Framing Sections** *(08 44 13 00-0001)*		
		Note: The prices are based on stock shapes of anodized aluminum, plain color and of 0.125" thickness.		
08 44 13 00-0024	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Jamb Aluminum Framed Window Walls	86.53	2.29
		For Bronze Anodized Aluminum, Add	*11.62*	
		For Stainless Steel, Add	*46.92*	
		For Black Anodized Finish, Add	*20.91*	
08 44 13 00-0025	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Head Aluminum Framed Window Walls	86.35	2.29
		For Bronze Anodized Aluminum, Add	*11.62*	
		For Stainless Steel, Add	*46.91*	
		For Black Anodized Finish, Add	*20.91*	
08 44 13 00-0026	LF	Aluminum System Curtain Wall, 1-1/2" x 3" Mullion Aluminum Framed Window Walls	86.35	2.29
		For Bronze Anodized Aluminum, Add	*11.62*	
		For Stainless Steel, Add	*46.91*	
		For Black Anodized Finish, Add	*20.91*	
		For Corner Mullion, Add	*20.70*	
08 44 13 00-0027	LF	Aluminum System Curtain Wall, 2" x 4" Jamb Aluminum Framed Window Walls	106.28	4.58
		For Bronze Anodized Aluminum, Add	*13.88*	
		For Stainless Steel, Add	*56.21*	
		For Black Anodized Finish, Add	*24.98*	
08 44 13 00-0028	LF	Aluminum System Curtain Wall, 2" x 4" Horizontal Aluminum Framed Window Walls	106.28	4.58
		For Bronze Anodized Aluminum, Add	*13.88*	
		For Stainless Steel, Add	*56.21*	
		For Black Anodized Finish, Add	*24.98*	
08 44 13 00-0029	LF	Aluminum System Curtain Wall, 2" x 4" Mullion Aluminum Framed Window Walls	106.28	4.58
		For Bronze Anodized Aluminum, Add	*13.88*	
		For Stainless Steel, Add	*56.21*	
		For Black Anodized Finish, Add	*24.98*	
		For Corner Mullion, Add	*25.20*	
08 44 13 00-0030	LF	Aluminum System Curtain Wall, 2" x 6" Jamb Aluminum Framed Window Walls	116.68	5.04
		For Bronze Anodized Aluminum, Add	*15.21*	
		For Stainless Steel, Add	*61.61*	
		For Black Anodized Finish, Add	*27.38*	
08 44 13 00-0031	LF	Aluminum System Curtain Wall, 2" x 6" Horizontal Aluminum Framed Window Walls	116.68	5.04
		For Bronze Anodized Aluminum, Add	*15.21*	
		For Stainless Steel, Add	*61.61*	
		For Black Anodized Finish, Add	*27.38*	
08 44 13 00-0032	LF	Aluminum System Curtain Wall, 2" x 6" Mullion Aluminum Framed Window Walls	116.68	5.04
		For Bronze Anodized Aluminum, Add	*15.21*	
		For Stainless Steel, Add	*61.61*	
		For Black Anodized Finish, Add	*27.38*	
		For Corner Mullion, Add	*27.64*	
08 44 13 00-0033	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Jamb Aluminum Framed Window Walls	127.31	5.73
		For Bronze Anodized Aluminum, Add	*16.55*	
		For Stainless Steel, Add	*67.05*	
		For Black Anodized Finish, Add	*29.79*	
08 44 13 00-0034	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Horizontal Aluminum Framed Window Walls	127.31	5.73
		For Bronze Anodized Aluminum, Add	*16.55*	
		For Stainless Steel, Add	*67.05*	
		For Black Anodized Finish, Add	*29.79*	
08 44 13 00-0035	LF	Aluminum System Curtain Wall, 3" x 5-1/2" Mullion Aluminum Framed Window Walls	127.31	5.73
		For Bronze Anodized Aluminum, Add	*16.55*	
		For Stainless Steel, Add	*67.05*	
		For Black Anodized Finish, Add	*29.79*	
		For Corner Mullion, Add	*30.13*	
08 44 13 00-0036	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Jamb Aluminum Framed Window Walls	142.96	6.18
		For Bronze Anodized Aluminum, Add	*18.67*	
		For Stainless Steel, Add	*75.59*	
		For Black Anodized Finish, Add	*33.60*	
08 44 13 00-0037	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Horizontal Aluminum Framed Window Walls	142.96	6.18
		For Bronze Anodized Aluminum, Add	*18.67*	
		For Stainless Steel, Add	*75.59*	
		For Black Anodized Finish, Add	*33.60*	
08 44 13 00-0038	LF	Aluminum System Curtain Wall, 3" x 6-3/4" Mullion Aluminum Framed Window Walls	142.96	6.18
		For Bronze Anodized Aluminum, Add	*18.67*	
		For Stainless Steel, Add	*75.59*	
		For Black Anodized Finish, Add	*33.60*	
		For Corner Mullion, Add	*33.89*	
08 44 13 00-0039	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Jamb Aluminum Framed Window Walls	164.12	6.87
		For Bronze Anodized Aluminum, Add	*21.43*	
		For Stainless Steel, Add	*86.78*	
		For Black Anodized Finish, Add	*38.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 44 13 00-0040	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Horizontal Aluminum Framed Window Walls	164.12	6.87
		For Bronze Anodized Aluminum, Add	*21.43*	
		For Stainless Steel, Add	*86.78*	
		For Black Anodized Finish, Add	*38.57*	
08 44 13 00-0041	LF	Aluminum System Curtain Wall, 3" x 8-3/4" Mullion Aluminum Framed Window Walls	164.12	6.87
		For Bronze Anodized Aluminum, Add	*21.43*	
		For Stainless Steel, Add	*86.78*	
		For Black Anodized Finish, Add	*38.57*	
		For Corner Mullion, Add	*38.91*	

08 45 Translucent Wall and Roof Assemblies *(08 40)*

08 45 23 Fiberglass-Sandwich-Panel Assemblies *(08 45)*

08 45 23 00-0001 Translucent Fiberglass Sandwich-Panels 2-3/4" Thick *(08 45 23)*

08 45 23 00-0002	SF	<5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	138.67	6.02
		For Aluminum Frame, Add	*12.96*	
08 45 23 00-0003	SF	>5,000 SF Translucent Fiberglass Sandwich-Panel 2-3/4" Thick, Metal Framed	127.11	5.12
		For Aluminum Frame, Add	*11.94*	

08 50 Windows *(08)*

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

08 51 Metal Windows *(08 50)*

08 51 13 Aluminum Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 13 00-0001 Aluminum Windows *(08 51 13)*

Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.

08 51 13 00-0002 Single Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0003 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400) *(08 51 13 00-0002)*

08 51 13 00-0004	EA	Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,257.64	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*62.65*	
		For Clear Anodized Finish, Add	*52.21*	
		For Color Anodized Finish, Add	*73.09*	
08 51 13 00-0005	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,432.16	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*72.32*	
		For Clear Anodized Finish, Add	*60.26*	
		For Color Anodized Finish, Add	*84.37*	
08 51 13 00-0006	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,578.64	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*26.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*80.31*	
		For Clear Anodized Finish, Add	*66.92*	
		For Color Anodized Finish, Add	*93.69*	
08 51 13 00-0007	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,697.10	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.61*	
		For Clear Anodized Finish, Add	*72.18*	
		For Color Anodized Finish, Add	*101.05*	
08 51 13 00-0008	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	1,983.74	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*34.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*103.01*	
		For Clear Anodized Finish, Add	*85.84*	
		For Color Anodized Finish, Add	*120.18*	
08 51 13 00-0009	SF	>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)	65.26	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.15*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.44*	
		For Clear Anodized Finish, Add	*2.86*	
		For Color Anodized Finish, Add	*4.01*	

08 51 13 00-0010 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100) *(08 51 13 00-0002)*

08 51 13 00-0011	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,000.43	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*107.21*	
		For Clear Anodized Finish, Add	*89.35*	
		For Color Anodized Finish, Add	*125.08*	
08 51 13 00-0012	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,238.02	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*120.67*	
		For Clear Anodized Finish, Add	*100.56*	
		For Color Anodized Finish, Add	*140.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0013	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,433.55	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.60*	
		For Clear Anodized Finish, Add	*109.67*	
		For Color Anodized Finish, Add	*153.53*	
08 51 13 00-0014	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	2,622.08	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*142.11*	
		For Clear Anodized Finish, Add	*118.43*	
		For Color Anodized Finish, Add	*165.80*	
08 51 13 00-0015	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	3,160.99	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*173.64*	
		For Clear Anodized Finish, Add	*144.70*	
		For Color Anodized Finish, Add	*202.58*	
08 51 13 00-0016	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)	104.50	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*5.79*	
		For Clear Anodized Finish, Add	*4.82*	
		For Color Anodized Finish, Add	*6.75*	

08 51 13 00-0017 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0018	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,126.56	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.26*	
		For 70% Fluoropolymer Finish (Duranar), Add	*114.78*	
		For Clear Anodized Finish, Add	*95.65*	
		For Color Anodized Finish, Add	*133.91*	
08 51 13 00-0019	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,413.20	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.18*	
		For Clear Anodized Finish, Add	*109.32*	
		For Color Anodized Finish, Add	*153.04*	
08 51 13 00-0020	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,643.77	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*48.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*144.21*	
		For Clear Anodized Finish, Add	*120.18*	
		For Color Anodized Finish, Add	*168.25*	
08 51 13 00-0021	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,867.35	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*156.83*	
		For Clear Anodized Finish, Add	*130.69*	
		For Color Anodized Finish, Add	*182.96*	
08 51 13 00-0022	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,462.31	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*63.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*191.72*	
		For Clear Anodized Finish, Add	*159.77*	
		For Color Anodized Finish, Add	*223.68*	
08 51 13 00-0023	SF	>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	114.52	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.13*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.39*	
		For Clear Anodized Finish, Add	*5.33*	
		For Color Anodized Finish, Add	*7.46*	

08 51 13 00-0024 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) *(08 51 13 00-0002)*

08 51 13 00-0025	EA	Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,364.81	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*129.08*	
		For Clear Anodized Finish, Add	*107.56*	
		For Color Anodized Finish, Add	*150.59*	
08 51 13 00-0026	EA	>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,742.55	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*150.94*	
		For Clear Anodized Finish, Add	*125.78*	
		For Color Anodized Finish, Add	*176.10*	
08 51 13 00-0027	EA	>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	2,980.13	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*54.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*164.39*	
		For Clear Anodized Finish, Add	*137.00*	
		For Color Anodized Finish, Add	*191.79*	
08 51 13 00-0028	EA	>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,203.70	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*177.01*	
		For Clear Anodized Finish, Add	*147.51*	
		For Color Anodized Finish, Add	*206.51*	
08 51 13 00-0029	EA	>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	3,749.62	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*69.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*208.96*	
		For Clear Anodized Finish, Add	*174.14*	
		For Color Anodized Finish, Add	*243.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0030	SF	>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)	124.12	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.97*	
		For Clear Anodized Finish, Add	*5.81*	
		For Color Anodized Finish, Add	*8.13*	

08 51 13 00-0031 Double Hung Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0032 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) *(08 51 13 00-0031)*

08 51 13 00-0033	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,446.84	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.67*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.00*	
		For Clear Anodized Finish, Add	*61.67*	
		For Color Anodized Finish, Add	*86.33*	
08 51 13 00-0034	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,614.35	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.75*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.25*	
		For Clear Anodized Finish, Add	*69.37*	
		For Color Anodized Finish, Add	*97.12*	
08 51 13 00-0035	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,753.83	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*90.82*	
		For Clear Anodized Finish, Add	*75.68*	
		For Color Anodized Finish, Add	*105.95*	
08 51 13 00-0036	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	1,900.32	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.94*	
		For 70% Fluoropolymer Finish (Duranar), Add	*98.81*	
		For Clear Anodized Finish, Add	*82.34*	
		For Color Anodized Finish, Add	*115.27*	
08 51 13 00-0037	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	2,257.03	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*119.41*	
		For Clear Anodized Finish, Add	*99.51*	
		For Color Anodized Finish, Add	*139.31*	
08 51 13 00-0038	SF	>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)	74.37	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.98*	
		For Clear Anodized Finish, Add	*3.32*	
		For Color Anodized Finish, Add	*4.65*	

08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000) *(08 51 13 00-0031)*

08 51 13 00-0040	EA	Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	1,846.26	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*32.65*	
		For 70% Fluoropolymer Finish (Duranar), Add	*97.96*	
		For Clear Anodized Finish, Add	*81.64*	
		For Color Anodized Finish, Add	*114.29*	
08 51 13 00-0041	EA	>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,167.94	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*38.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*116.46*	
		For Clear Anodized Finish, Add	*97.05*	
		For Color Anodized Finish, Add	*135.87*	
08 51 13 00-0042	EA	>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,426.54	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.18*	
		For Clear Anodized Finish, Add	*109.32*	
		For Color Anodized Finish, Add	*153.04*	
08 51 13 00-0043	EA	>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	2,720.19	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*148.00*	
		For Clear Anodized Finish, Add	*123.33*	
		For Color Anodized Finish, Add	*172.66*	
08 51 13 00-0044	EA	>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	3,273.11	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*60.12*	
		For 70% Fluoropolymer Finish (Duranar), Add	*180.37*	
		For Clear Anodized Finish, Add	*150.31*	
		For Color Anodized Finish, Add	*210.43*	
08 51 13 00-0045	SF	>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)	108.22	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.01*	
		For Clear Anodized Finish, Add	*5.01*	
		For Color Anodized Finish, Add	*7.01*	

08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400) *(08 51 13 00-0031)*

08 51 13 00-0047	EA	Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,399.85	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*131.18*	
		For Clear Anodized Finish, Add	*109.32*	
		For Color Anodized Finish, Add	*153.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0048	EA	>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	2,777.59	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.01*	
		For 70% Fluoropolymer Finish (Duranar), Add	*153.04*	
		For Clear Anodized Finish, Add	*127.54*	
		For Color Anodized Finish, Add	*178.55*	
08 51 13 00-0049	EA	>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,092.25	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.04*	
		For 70% Fluoropolymer Finish (Duranar), Add	*171.12*	
		For Clear Anodized Finish, Add	*142.60*	
		For Color Anodized Finish, Add	*199.64*	
08 51 13 00-0050	EA	>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	3,399.91	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*188.78*	
		For Clear Anodized Finish, Add	*157.32*	
		For Color Anodized Finish, Add	*220.24*	
08 51 13 00-0051	EA	>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	4,163.06	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.92*	
		For 70% Fluoropolymer Finish (Duranar), Add	*233.77*	
		For Clear Anodized Finish, Add	*194.81*	
		For Color Anodized Finish, Add	*272.73*	
08 51 13 00-0052	SF	>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)	137.86	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.79*	
		For Clear Anodized Finish, Add	*6.49*	
		For Color Anodized Finish, Add	*9.09*	

08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900) *(08 51 13 00-0031)*

08 51 13 00-0054	EA	Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	3,891.77	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*73.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*219.89*	
		For Clear Anodized Finish, Add	*183.24*	
		For Color Anodized Finish, Add	*256.54*	
08 51 13 00-0055	EA	>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	4,276.51	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*80.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*242.18*	
		For Clear Anodized Finish, Add	*201.81*	
		For Color Anodized Finish, Add	*282.54*	
08 51 13 00-0056	EA	>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	4,731.32	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*89.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*268.67*	
		For Clear Anodized Finish, Add	*223.89*	
		For Color Anodized Finish, Add	*313.44*	
08 51 13 00-0057	EA	>20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	5,508.49	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*104.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*314.49*	
		For Clear Anodized Finish, Add	*262.08*	
		For Color Anodized Finish, Add	*366.91*	
08 51 13 00-0058	SF	>30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)	182.50	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.47*	
		For Clear Anodized Finish, Add	*8.72*	
		For Color Anodized Finish, Add	*12.21*	

08 51 13 00-0059 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) *(08 51 13 00-0031)*

08 51 13 00-0060	EA	Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,475.45	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*104.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*314.91*	
		For Clear Anodized Finish, Add	*262.43*	
		For Color Anodized Finish, Add	*367.40*	
08 51 13 00-0061	EA	>10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	5,909.24	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*113.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*340.14*	
		For Clear Anodized Finish, Add	*283.45*	
		For Color Anodized Finish, Add	*396.83*	
08 51 13 00-0062	EA	>15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	6,406.10	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*123.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*369.15*	
		For Clear Anodized Finish, Add	*307.63*	
		For Color Anodized Finish, Add	*430.68*	
08 51 13 00-0063	EA	>20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	7,281.37	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*140.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*420.87*	
		For Clear Anodized Finish, Add	*350.72*	
		For Color Anodized Finish, Add	*491.01*	
08 51 13 00-0064	SF	>30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600)	242.06	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.04*	
		For Clear Anodized Finish, Add	*11.70*	
		For Color Anodized Finish, Add	*16.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0065		Horizontal Sliding Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0066		One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*		
08 51 13 00-0067		2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) *(08 51 13 00-0066)*		
08 51 13 00-0068	EA	Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,292.68	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.58*	
		For 70% Fluoropolymer Finish (Duranar), Add	*64.75*	
		For Clear Anodized Finish, Add	*53.96*	
		For Color Anodized Finish, Add	*75.54*	
08 51 13 00-0069	EA	>6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,474.20	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.84*	
		For Clear Anodized Finish, Add	*62.37*	
		For Color Anodized Finish, Add	*87.31*	
08 51 13 00-0070	EA	>10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,606.67	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.99*	
		For Clear Anodized Finish, Add	*68.32*	
		For Color Anodized Finish, Add	*95.65*	
08 51 13 00-0071	EA	>15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	1,746.15	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.85*	
		For 70% Fluoropolymer Finish (Duranar), Add	*89.55*	
		For Clear Anodized Finish, Add	*74.63*	
		For Color Anodized Finish, Add	*104.48*	
08 51 13 00-0072	EA	>20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	2,046.81	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*106.79*	
		For Clear Anodized Finish, Add	*88.99*	
		For Color Anodized Finish, Add	*124.59*	
08 51 13 00-0073	SF	>30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400)	67.36	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.19*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.56*	
		For Clear Anodized Finish, Add	*2.97*	
		For Color Anodized Finish, Add	*4.15*	
08 51 13 00-0074		3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) *(08 51 13 00-0066)*		
08 51 13 00-0075	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,182.62	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*118.15*	
		For Clear Anodized Finish, Add	*98.45*	
		For Color Anodized Finish, Add	*137.84*	
08 51 13 00-0076	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,476.27	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*44.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*134.96*	
		For Clear Anodized Finish, Add	*112.47*	
		For Color Anodized Finish, Add	*157.46*	
08 51 13 00-0077	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,706.84	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.33*	
		For 70% Fluoropolymer Finish (Duranar), Add	*148.00*	
		For Clear Anodized Finish, Add	*123.33*	
		For Color Anodized Finish, Add	*172.66*	
08 51 13 00-0078	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	2,930.41	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*53.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*160.61*	
		For Clear Anodized Finish, Add	*133.84*	
		For Color Anodized Finish, Add	*187.38*	
08 51 13 00-0079	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	3,434.28	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*63.35*	
		For 70% Fluoropolymer Finish (Duranar), Add	*190.04*	
		For Clear Anodized Finish, Add	*158.37*	
		For Color Anodized Finish, Add	*221.72*	
08 51 13 00-0080	SF	>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800)	113.61	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.11*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.34*	
		For Clear Anodized Finish, Add	*5.28*	
		For Color Anodized Finish, Add	*7.39*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0081		Two Rolling Sashes, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*			
08 51 13 00-0082		3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) *(08 51 13 00-0081)*			
08 51 13 00-0083	EA	Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		1,474.87	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add		*25.23*	
		For 70% Fluoropolymer Finish (Duranar), Add		*75.68*	
		For Clear Anodized Finish, Add		*63.07*	
		For Color Anodized Finish, Add		*88.29*	
08 51 13 00-0084	EA	>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		1,712.46	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add		*29.71*	
		For 70% Fluoropolymer Finish (Duranar), Add		*89.13*	
		For Clear Anodized Finish, Add		*74.28*	
		For Color Anodized Finish, Add		*103.99*	
08 51 13 00-0085	EA	>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		1,865.95	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add		*32.51*	
		For 70% Fluoropolymer Finish (Duranar), Add		*97.54*	
		For Clear Anodized Finish, Add		*81.29*	
		For Color Anodized Finish, Add		*113.80*	
08 51 13 00-0086	EA	>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		1,991.42	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add		*34.76*	
		For 70% Fluoropolymer Finish (Duranar), Add		*104.27*	
		For Clear Anodized Finish, Add		*86.89*	
		For Color Anodized Finish, Add		*121.65*	
08 51 13 00-0087	EA	>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		2,334.11	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add		*41.34*	
		For 70% Fluoropolymer Finish (Duranar), Add		*124.03*	
		For Clear Anodized Finish, Add		*103.36*	
		For Color Anodized Finish, Add		*144.70*	
08 51 13 00-0088	SF	>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)		76.89	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add		*1.38*	
		For 70% Fluoropolymer Finish (Duranar), Add		*4.13*	
		For Clear Anodized Finish, Add		*3.44*	
		For Color Anodized Finish, Add		*4.82*	
08 51 13 00-0089		Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows *(08 51 13 00-0065)*			
08 51 13 00-0090		4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) *(08 51 13 00-0089)*			
08 51 13 00-0091	EA	Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		4,130.69	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add		*78.34*	
		For 70% Fluoropolymer Finish (Duranar), Add		*235.03*	
		For Clear Anodized Finish, Add		*195.86*	
		For Color Anodized Finish, Add		*274.20*	
08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		4,752.67	148.13
		For 50% Fluoropolymer Finish (Acrynar), Add		*90.12*	
		For 70% Fluoropolymer Finish (Duranar), Add		*270.35*	
		For Clear Anodized Finish, Add		*225.29*	
		For Color Anodized Finish, Add		*315.40*	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		5,144.43	156.15
		For 50% Fluoropolymer Finish (Acrynar), Add		*97.68*	
		For 70% Fluoropolymer Finish (Duranar), Add		*293.05*	
		For Clear Anodized Finish, Add		*244.21*	
		For Color Anodized Finish, Add		*341.89*	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		6,242.92	176.16
		For 50% Fluoropolymer Finish (Acrynar), Add		*118.99*	
		For 70% Fluoropolymer Finish (Duranar), Add		*356.96*	
		For Clear Anodized Finish, Add		*297.47*	
		For Color Anodized Finish, Add		*416.45*	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		7,214.95	200.18
		For 50% Fluoropolymer Finish (Acrynar), Add		*137.63*	
		For 70% Fluoropolymer Finish (Duranar), Add		*412.88*	
		For Clear Anodized Finish, Add		*344.07*	
		For Color Anodized Finish, Add		*481.69*	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)		122.65	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add		*2.29*	
		For 70% Fluoropolymer Finish (Duranar), Add		*6.88*	
		For Clear Anodized Finish, Add		*5.73*	
		For Color Anodized Finish, Add		*8.02*	
08 51 13 00-0097		Fixed Aluminum Windows *(08 51 13 00-0001)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0098		2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) *(08 51 13 00-0097)*		
08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	963.33	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*15.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.99*	
		For Clear Anodized Finish, Add	*37.49*	
		For Color Anodized Finish, Add	*52.49*	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,116.82	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*17.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*53.40*	
		For Clear Anodized Finish, Add	*44.50*	
		For Color Anodized Finish, Add	*62.30*	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,179.22	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*18.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*56.34*	
		For Clear Anodized Finish, Add	*46.95*	
		For Color Anodized Finish, Add	*65.73*	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,241.62	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*59.28*	
		For Clear Anodized Finish, Add	*49.40*	
		For Color Anodized Finish, Add	*69.16*	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	1,710.45	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*28.87*	
		For 70% Fluoropolymer Finish (Duranar), Add	*86.61*	
		For Clear Anodized Finish, Add	*72.18*	
		For Color Anodized Finish, Add	*101.05*	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280)	56.15	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.89*	
		For Clear Anodized Finish, Add	*2.41*	
		For Color Anodized Finish, Add	*3.37*	
08 51 13 00-0105		2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) *(08 51 13 00-0097)*		
08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,271.65	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*21.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*63.49*	
		For Clear Anodized Finish, Add	*52.91*	
		For Color Anodized Finish, Add	*74.07*	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,474.20	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.95*	
		For 70% Fluoropolymer Finish (Duranar), Add	*74.84*	
		For Clear Anodized Finish, Add	*62.37*	
		For Color Anodized Finish, Add	*87.31*	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,592.66	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*81.15*	
		For Clear Anodized Finish, Add	*67.62*	
		For Color Anodized Finish, Add	*94.67*	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,718.13	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*29.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*87.87*	
		For Clear Anodized Finish, Add	*73.23*	
		For Color Anodized Finish, Add	*102.52*	
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	2,334.11	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*41.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*124.03*	
		For Clear Anodized Finish, Add	*103.36*	
		For Color Anodized Finish, Add	*144.70*	
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	76.89	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*4.13*	
		For Clear Anodized Finish, Add	*3.44*	
		For Color Anodized Finish, Add	*4.82*	
08 51 13 00-0112		3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100) *(08 51 13 00-0097)*		
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,061.43	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.87*	
		For Clear Anodized Finish, Add	*42.40*	
		For Color Anodized Finish, Add	*59.35*	
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,263.98	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.74*	
		For 70% Fluoropolymer Finish (Duranar), Add	*62.23*	
		For Clear Anodized Finish, Add	*51.86*	
		For Color Anodized Finish, Add	*72.60*	
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,368.42	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*67.69*	
		For Clear Anodized Finish, Add	*56.41*	
		For Color Anodized Finish, Add	*78.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,479.87	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*24.53*	
		For 70% Fluoropolymer Finish (Duranar), Add	*73.58*	
		For Clear Anodized Finish, Add	*61.32*	
		For Color Anodized Finish, Add	*85.84*	
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	2,060.82	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*107.63*	
		For Clear Anodized Finish, Add	*89.70*	
		For Color Anodized Finish, Add	*125.57*	
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	67.78	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.59*	
		For Clear Anodized Finish, Add	*2.99*	
		For Color Anodized Finish, Add	*4.18*	
08 51 13 00-0119		4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500) *(08 51 13 00-0097)*		
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,054.42	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*50.45*	
		For Clear Anodized Finish, Add	*42.04*	
		For Color Anodized Finish, Add	*58.86*	
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,235.95	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*20.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*60.54*	
		For Clear Anodized Finish, Add	*50.45*	
		For Color Anodized Finish, Add	*70.63*	
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,340.39	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*22.00*	
		For 70% Fluoropolymer Finish (Duranar), Add	*66.01*	
		For Clear Anodized Finish, Add	*55.01*	
		For Color Anodized Finish, Add	*77.01*	
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,451.84	152.14
		For 50% Fluoropolymer Finish (Acrynar), Add	*23.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*71.90*	
		For Clear Anodized Finish, Add	*59.91*	
		For Color Anodized Finish, Add	*83.88*	
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	2,032.79	160.15
		For 50% Fluoropolymer Finish (Acrynar), Add	*35.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*105.95*	
		For Clear Anodized Finish, Add	*88.29*	
		For Color Anodized Finish, Add	*123.61*	
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	66.87	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*1.18*	
		For 70% Fluoropolymer Finish (Duranar), Add	*3.53*	
		For Clear Anodized Finish, Add	*2.94*	
		For Color Anodized Finish, Add	*4.12*	
08 51 13 00-0126		Projected Aluminum Windows *(08 51 13 00-0001)*		
08 51 13 00-0127		Single Vent, Projected Aluminum Windows *(08 51 13 00-0126)*		
08 51 13 00-0128		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0127)*		
08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,490.29	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*25.54*	
		For 70% Fluoropolymer Finish (Duranar), Add	*76.61*	
		For Clear Anodized Finish, Add	*63.84*	
		For Color Anodized Finish, Add	*89.37*	
08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,620.66	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*27.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*83.63*	
		For Clear Anodized Finish, Add	*69.69*	
		For Color Anodized Finish, Add	*97.56*	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,774.85	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.69*	
		For 70% Fluoropolymer Finish (Duranar), Add	*92.08*	
		For Clear Anodized Finish, Add	*76.73*	
		For Color Anodized Finish, Add	*107.42*	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	110.32	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*6.14*	
		For Clear Anodized Finish, Add	*5.12*	
		For Color Anodized Finish, Add	*7.16*	
08 51 13 00-0133		2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0127)*		
08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,109.81	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.93*	
		For 70% Fluoropolymer Finish (Duranar), Add	*113.78*	
		For Clear Anodized Finish, Add	*94.81*	
		For Color Anodized Finish, Add	*132.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,342.50	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.31*	
		For 70% Fluoropolymer Finish (Duranar), Add	*126.94*	
		For Clear Anodized Finish, Add	*105.78*	
		For Color Anodized Finish, Add	*148.09*	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	2,615.74	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.51*	
		For 70% Fluoropolymer Finish (Duranar), Add	*142.53*	
		For Clear Anodized Finish, Add	*118.78*	
		For Color Anodized Finish, Add	*166.29*	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)	166.38	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.50*	
		For Clear Anodized Finish, Add	*7.92*	
		For Color Anodized Finish, Add	*11.09*	

08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0127)*

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,342.18	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*42.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*127.72*	
		For Clear Anodized Finish, Add	*106.43*	
		For Color Anodized Finish, Add	*149.01*	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,613.12	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*47.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*143.17*	
		For Clear Anodized Finish, Add	*119.31*	
		For Color Anodized Finish, Add	*167.04*	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	2,931.08	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*53.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*161.45*	
		For Clear Anodized Finish, Add	*134.54*	
		For Color Anodized Finish, Add	*188.36*	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)	187.40	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*10.76*	
		For Clear Anodized Finish, Add	*8.97*	
		For Color Anodized Finish, Add	*12.56*	

08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0127)*

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)	2,502.23	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*137.32*	
		For Clear Anodized Finish, Add	*114.44*	
		For Color Anodized Finish, Add	*160.21*	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	2,799.59	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*51.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*154.36*	
		For Clear Anodized Finish, Add	*128.64*	
		For Color Anodized Finish, Add	*180.09*	
08 51 13 00-0146	EA	>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	3,148.31	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.16*	
		For 70% Fluoropolymer Finish (Duranar), Add	*174.49*	
		For Clear Anodized Finish, Add	*145.40*	
		For Color Anodized Finish, Add	*203.57*	
08 51 13 00-0147	SF	>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600)	201.91	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.88*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.63*	
		For Clear Anodized Finish, Add	*9.70*	
		For Color Anodized Finish, Add	*13.57*	

08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0127)*

08 51 13 00-0149	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,481.56	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.36*	
		For 70% Fluoropolymer Finish (Duranar), Add	*136.08*	
		For Clear Anodized Finish, Add	*113.40*	
		For Color Anodized Finish, Add	*158.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0150	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	2,775.56	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*50.97*	
		For 70% Fluoropolymer Finish (Duranar), Add	*152.92*	
		For Clear Anodized Finish, Add	*127.43*	
		For Color Anodized Finish, Add	*178.41*	
08 51 13 00-0151	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	3,120.28	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*57.60*	
		For 70% Fluoropolymer Finish (Duranar), Add	*172.80*	
		For Clear Anodized Finish, Add	*144.00*	
		For Color Anodized Finish, Add	*201.60*	
08 51 13 00-0152	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750)	200.01	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.84*	
		For 70% Fluoropolymer Finish (Duranar), Add	*11.52*	
		For Clear Anodized Finish, Add	*9.60*	
		For Color Anodized Finish, Add	*13.44*	

08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows *(08 51 13 00-0126)*

08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) *(08 51 13 00-0153)*

08 51 13 00-0155	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,166.64	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*39.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*117.19*	
		For Clear Anodized Finish, Add	*97.66*	
		For Color Anodized Finish, Add	*136.72*	
08 51 13 00-0156	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,408.65	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*43.64*	
		For 70% Fluoropolymer Finish (Duranar), Add	*130.91*	
		For Clear Anodized Finish, Add	*109.09*	
		For Color Anodized Finish, Add	*152.72*	
08 51 13 00-0157	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	2,692.82	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*147.16*	
		For Clear Anodized Finish, Add	*122.63*	
		For Color Anodized Finish, Add	*171.68*	
08 51 13 00-0158	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250)	171.28	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.80*	
		For Clear Anodized Finish, Add	*8.16*	
		For Color Anodized Finish, Add	*11.43*	

08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) *(08 51 13 00-0153)*

08 51 13 00-0160	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,147.62	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*58.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*176.05*	
		For Clear Anodized Finish, Add	*146.70*	
		For Color Anodized Finish, Add	*205.39*	
08 51 13 00-0161	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	3,551.49	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*66.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*199.48*	
		For Clear Anodized Finish, Add	*166.23*	
		For Color Anodized Finish, Add	*232.72*	
08 51 13 00-0162	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	4,024.24	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*75.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*227.04*	
		For Clear Anodized Finish, Add	*189.20*	
		For Color Anodized Finish, Add	*264.88*	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500)	260.28	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.05*	
		For 70% Fluoropolymer Finish (Duranar), Add	*15.14*	
		For Clear Anodized Finish, Add	*12.61*	
		For Color Anodized Finish, Add	*17.66*	

08 51 13 00-0164 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) *(08 51 13 00-0153)*

08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,354.12	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.81*	
		For 70% Fluoropolymer Finish (Duranar), Add	*188.44*	
		For Clear Anodized Finish, Add	*157.03*	
		For Color Anodized Finish, Add	*219.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	3,792.06	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*71.30*	
		For 70% Fluoropolymer Finish (Duranar), Add	*213.91*	
		For Clear Anodized Finish, Add	*178.26*	
		For Color Anodized Finish, Add	*249.56*	
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	4,304.54	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*81.29*	
		For 70% Fluoropolymer Finish (Duranar), Add	*243.86*	
		For Clear Anodized Finish, Add	*203.22*	
		For Color Anodized Finish, Add	*284.50*	
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500)	278.50	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.41*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.23*	
		For Clear Anodized Finish, Add	*13.52*	
		For Color Anodized Finish, Add	*18.93*	

08 51 13 00-0169 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) *(08 51 13 00-0153)*

08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,333.52	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.40*	
		For 70% Fluoropolymer Finish (Duranar), Add	*187.20*	
		For Clear Anodized Finish, Add	*156.00*	
		For Color Anodized Finish, Add	*218.40*	
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	3,768.02	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*70.82*	
		For 70% Fluoropolymer Finish (Duranar), Add	*212.47*	
		For Clear Anodized Finish, Add	*177.06*	
		For Color Anodized Finish, Add	*247.88*	
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	4,276.51	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*80.73*	
		For 70% Fluoropolymer Finish (Duranar), Add	*242.18*	
		For Clear Anodized Finish, Add	*201.81*	
		For Color Anodized Finish, Add	*282.54*	
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600)	277.10	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.38*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.15*	
		For Clear Anodized Finish, Add	*13.45*	
		For Color Anodized Finish, Add	*18.84*	

08 51 13 00-0174 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) *(08 51 13 00-0153)*

08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	3,653.62	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*68.80*	
		For 70% Fluoropolymer Finish (Duranar), Add	*206.41*	
		For Clear Anodized Finish, Add	*172.00*	
		For Color Anodized Finish, Add	*240.81*	
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	4,140.96	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*78.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*234.84*	
		For Clear Anodized Finish, Add	*195.70*	
		For Color Anodized Finish, Add	*273.99*	
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	4,710.97	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*89.42*	
		For 70% Fluoropolymer Finish (Duranar), Add	*268.25*	
		For Clear Anodized Finish, Add	*223.54*	
		For Color Anodized Finish, Add	*312.95*	
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750)	305.83	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.96*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.87*	
		For Clear Anodized Finish, Add	*14.89*	
		For Color Anodized Finish, Add	*20.85*	

08 51 13 00-0179 Casement Aluminum Windows *(08 51 13 00-0001)*

08 51 13 00-0180 Single Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0181 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0180)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0182	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,743.25	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*30.59*	
		For 70% Fluoropolymer Finish (Duranar), Add	*91.78*	
		For Clear Anodized Finish, Add	*76.49*	
		For Color Anodized Finish, Add	*107.08*	
08 51 13 00-0183	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	1,915.39	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*33.77*	
		For 70% Fluoropolymer Finish (Duranar), Add	*101.31*	
		For Clear Anodized Finish, Add	*84.43*	
		For Color Anodized Finish, Add	*118.20*	
08 51 13 00-0184	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	2,118.21	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*37.56*	
		For 70% Fluoropolymer Finish (Duranar), Add	*112.68*	
		For Clear Anodized Finish, Add	*93.90*	
		For Color Anodized Finish, Add	*131.46*	
08 51 13 00-0185	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220)	133.23	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*2.50*	
		For 70% Fluoropolymer Finish (Duranar), Add	*7.51*	
		For Clear Anodized Finish, Add	*6.26*	
		For Color Anodized Finish, Add	*8.77*	

08 51 13 00-0186 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0180)*

08 51 13 00-0187	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,682.95	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*148.17*	
		For Clear Anodized Finish, Add	*123.47*	
		For Color Anodized Finish, Add	*172.86*	
08 51 13 00-0188	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,010.10	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*55.66*	
		For 70% Fluoropolymer Finish (Duranar), Add	*166.99*	
		For Clear Anodized Finish, Add	*139.16*	
		For Color Anodized Finish, Add	*194.83*	
08 51 13 00-0189	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,393.57	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*63.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*189.20*	
		For Clear Anodized Finish, Add	*157.67*	
		For Color Anodized Finish, Add	*220.73*	
08 51 13 00-0190	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200)	218.23	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.20*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.61*	
		For Clear Anodized Finish, Add	*10.51*	
		For Color Anodized Finish, Add	*14.72*	

08 51 13 00-0191 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0180)*

08 51 13 00-0192	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	2,698.44	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*49.70*	
		For 70% Fluoropolymer Finish (Duranar), Add	*149.09*	
		For Clear Anodized Finish, Add	*124.25*	
		For Color Anodized Finish, Add	*173.94*	
08 51 13 00-0193	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,028.17	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*56.03*	
		For 70% Fluoropolymer Finish (Duranar), Add	*168.08*	
		For Clear Anodized Finish, Add	*140.06*	
		For Color Anodized Finish, Add	*196.09*	
08 51 13 00-0194	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,414.59	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*63.49*	
		For 70% Fluoropolymer Finish (Duranar), Add	*190.46*	
		For Clear Anodized Finish, Add	*158.72*	
		For Color Anodized Finish, Add	*222.21*	
08 51 13 00-0195	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200)	219.63	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.23*	
		For 70% Fluoropolymer Finish (Duranar), Add	*12.70*	
		For Clear Anodized Finish, Add	*10.58*	
		For Color Anodized Finish, Add	*14.81*	

08 51 13 00-0196 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0180)*

08 51 13 00-0197	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	2,858.49	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*52.90*	
		For 70% Fluoropolymer Finish (Duranar), Add	*158.70*	
		For Clear Anodized Finish, Add	*132.25*	
		For Color Anodized Finish, Add	*185.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0198	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	3,214.64	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*59.76*	
		For 70% Fluoropolymer Finish (Duranar), Add	*179.27*	
		For Clear Anodized Finish, Add	*149.39*	
		For Color Anodized Finish, Add	*209.14*	
08 51 13 00-0199	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	3,631.82	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*67.83*	
		For 70% Fluoropolymer Finish (Duranar), Add	*203.50*	
		For Clear Anodized Finish, Add	*169.58*	
		For Color Anodized Finish, Add	*237.41*	
08 51 13 00-0200	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720)	234.14	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.52*	
		For 70% Fluoropolymer Finish (Duranar), Add	*13.57*	
		For Clear Anodized Finish, Add	*11.31*	
		For Color Anodized Finish, Add	*15.83*	

08 51 13 00-0201 Fixed Over Vent, Casement Aluminum Windows *(08 51 13 00-0179)*

08 51 13 00-0202 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) *(08 51 13 00-0201)*

08 51 13 00-0203	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,027.23	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*36.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*108.82*	
		For Clear Anodized Finish, Add	*90.69*	
		For Color Anodized Finish, Add	*126.96*	
08 51 13 00-0204	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,246.21	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*40.39*	
		For 70% Fluoropolymer Finish (Duranar), Add	*121.16*	
		For Clear Anodized Finish, Add	*100.97*	
		For Color Anodized Finish, Add	*141.35*	
08 51 13 00-0205	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	2,503.62	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*45.27*	
		For 70% Fluoropolymer Finish (Duranar), Add	*135.80*	
		For Clear Anodized Finish, Add	*113.17*	
		For Color Anodized Finish, Add	*158.44*	
08 51 13 00-0206	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220)	158.88	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*3.02*	
		For 70% Fluoropolymer Finish (Duranar), Add	*9.05*	
		For Clear Anodized Finish, Add	*7.54*	
		For Color Anodized Finish, Add	*10.56*	

08 51 13 00-0207 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) *(08 51 13 00-0201)*

08 51 13 00-0208	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	2,966.89	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*55.07*	
		For 70% Fluoropolymer Finish (Duranar), Add	*165.20*	
		For Clear Anodized Finish, Add	*137.67*	
		For Color Anodized Finish, Add	*192.74*	
08 51 13 00-0209	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,340.92	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*62.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*186.84*	
		For Clear Anodized Finish, Add	*155.70*	
		For Color Anodized Finish, Add	*217.98*	
08 51 13 00-0210	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	3,778.98	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*70.78*	
		For 70% Fluoropolymer Finish (Duranar), Add	*212.33*	
		For Clear Anodized Finish, Add	*176.94*	
		For Color Anodized Finish, Add	*247.71*	
08 51 13 00-0211	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200)	243.95	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*4.72*	
		For 70% Fluoropolymer Finish (Duranar), Add	*14.16*	
		For Clear Anodized Finish, Add	*11.80*	
		For Color Anodized Finish, Add	*16.52*	

08 51 13 00-0212 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) *(08 51 13 00-0201)*

08 51 13 00-0213	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,312.85	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*61.99*	
		For 70% Fluoropolymer Finish (Duranar), Add	*185.96*	
		For Clear Anodized Finish, Add	*154.97*	
		For Color Anodized Finish, Add	*216.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0214	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	3,743.98	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*70.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*211.03*	
		For Clear Anodized Finish, Add	*175.86*	
		For Color Anodized Finish, Add	*246.20*	
08 51 13 00-0215	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	4,248.48	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*80.17*	
		For 70% Fluoropolymer Finish (Duranar), Add	*240.50*	
		For Clear Anodized Finish, Add	*200.41*	
		For Color Anodized Finish, Add	*280.58*	
08 51 13 00-0216	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200)	275.20	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.34*	
		For 70% Fluoropolymer Finish (Duranar), Add	*16.03*	
		For Clear Anodized Finish, Add	*13.36*	
		For Color Anodized Finish, Add	*18.70*	

08 51 13 00-0217 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) *(08 51 13 00-0201)*

08 51 13 00-0218	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	3,627.77	128.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*68.28*	
		For 70% Fluoropolymer Finish (Duranar), Add	*204.85*	
		For Clear Anodized Finish, Add	*170.71*	
		For Color Anodized Finish, Add	*239.00*	
08 51 13 00-0219	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	4,110.89	136.12
		For 50% Fluoropolymer Finish (Acrynar), Add	*77.68*	
		For 70% Fluoropolymer Finish (Duranar), Add	*233.04*	
		For Clear Anodized Finish, Add	*194.20*	
		For Color Anodized Finish, Add	*271.88*	
08 51 13 00-0220	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	4,675.93	144.13
		For 50% Fluoropolymer Finish (Acrynar), Add	*88.71*	
		For 70% Fluoropolymer Finish (Duranar), Add	*266.14*	
		For Clear Anodized Finish, Add	*221.79*	
		For Color Anodized Finish, Add	*310.50*	
08 51 13 00-0221	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)	303.72	4.81
		For 50% Fluoropolymer Finish (Acrynar), Add	*5.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*17.74*	
		For Clear Anodized Finish, Add	*14.79*	
		For Color Anodized Finish, Add	*20.70*	

08 51 13 00-0222 Aluminum Window Accessories *(08 51 13)*

08 51 13 00-0223 Aluminum Window Mullions *(08 51 13 00-0222)*

08 51 13 00-0224	LF	Integral Mullions For Aluminum Windows	55.71	6.00
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.89*	
		For 70% Fluoropolymer Finish (Duranar), Add	*2.68*	
		For Clear Anodized Finish, Add	*2.23*	
		For Color Anodized Finish, Add	*3.12*	

08 51 13 00-0225 Aluminum Window Panning *(08 51 13 00-0222)*

Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.

08 51 13 00-0226	EA	Up To 6 SF Window, Aluminum Window Panning	607.95	47.52
		For 50% Fluoropolymer Finish (Acrynar), Add	*10.57*	
		For 70% Fluoropolymer Finish (Duranar), Add	*31.72*	
		For Clear Anodized Finish, Add	*26.44*	
		For Color Anodized Finish, Add	*37.01*	
08 51 13 00-0227	EA	>6 To 10 SF Window, Aluminum Window Panning	813.65	79.21
		For 50% Fluoropolymer Finish (Acrynar), Add	*13.63*	
		For 70% Fluoropolymer Finish (Duranar), Add	*40.90*	
		For Clear Anodized Finish, Add	*34.08*	
		For Color Anodized Finish, Add	*47.71*	
08 51 13 00-0228	EA	>10 To 15 SF Window, Aluminum Window Panning	943.37	118.82
		For 50% Fluoropolymer Finish (Acrynar), Add	*14.91*	
		For 70% Fluoropolymer Finish (Duranar), Add	*44.72*	
		For Clear Anodized Finish, Add	*37.27*	
		For Color Anodized Finish, Add	*52.17*	
08 51 13 00-0229	EA	>15 To 20 SF Window, Aluminum Window Panning	1,085.83	158.43
		For 50% Fluoropolymer Finish (Acrynar), Add	*16.44*	
		For 70% Fluoropolymer Finish (Duranar), Add	*49.31*	
		For Clear Anodized Finish, Add	*41.09*	
		For Color Anodized Finish, Add	*57.52*	
08 51 13 00-0230	EA	>20 To 30 SF Window, Aluminum Window Panning	1,364.36	237.64
		For 50% Fluoropolymer Finish (Acrynar), Add	*19.37*	
		For 70% Fluoropolymer Finish (Duranar), Add	*58.10*	
		For Clear Anodized Finish, Add	*48.42*	
		For Color Anodized Finish, Add	*67.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0231	SF	>30 SF Window, Aluminum Window Panning	46.76	9.91
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.61*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.82*	
		For Clear Anodized Finish, Add	*1.51*	
		For Color Anodized Finish, Add	*2.12*	

08 51 13 00-0232 Aluminum Window Muntins, Grilles Or Dividers *(08 51 13 00-0222)*

08 51 13 00-0233	SF	Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows	10.88	6.00
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.06*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.17*	
		For Clear Anodized Finish, Add	*0.14*	
		For Color Anodized Finish, Add	*0.20*	
08 51 13 00-0234	SF	Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows	19.16	6.00
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.22*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.67*	
		For Clear Anodized Finish, Add	*0.56*	
		For Color Anodized Finish, Add	*0.78*	
08 51 13 00-0235	SF	Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	35.95	6.00
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.32*	
		For 70% Fluoropolymer Finish (Duranar), Add	*0.96*	
		For Clear Anodized Finish, Add	*0.80*	
		For Color Anodized Finish, Add	*1.12*	
08 51 13 00-0236	SF	True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows	44.99	6.00
		For 50% Fluoropolymer Finish (Acrynar), Add	*0.45*	
		For 70% Fluoropolymer Finish (Duranar), Add	*1.34*	
		For Clear Anodized Finish, Add	*1.12*	
		For Color Anodized Finish, Add	*1.56*	

08 51 13 00-0237 Other Aluminum Window Accessories *(08 51 13 00-0222)*

08 51 13 00-0238	EA	Roto Operator For Casement Aluminum Windows	529.94	26.68
08 51 13 00-0239	EA	Head And Sill Automatic Locks For Hung Aluminum Windows	249.64	26.68

08 51 19 Stainless-Steel Windows *(08 51)*

See CSI section 08 80 00 00-0000 for glazing.

08 51 19 00-0001 Stainless Steel Windows Types *(08 51 19)*

08 51 19 00-0002 Industrial *(08 51 19 00-0001)*

08 51 19 00-0003	SF	Stainless Steel Window With Horizontal Pivot Sash	120.86	8.01
08 51 19 00-0004	SF	Stainless Steel Window, Fixed Sash	90.52	8.01

08 51 19 00-0005 Projected Sash *(08 51 19 00-0001)*

08 51 19 00-0006	SF	Commercial Projected Sash Window - 40% Vented Stainless Steel	126.52	8.01
08 51 19 00-0007	SF	Intermediate Projected Sash Window - 40% Vented Stainless Steel	139.94	8.01

08 51 19 00-0008 Other Type Sash *(08 51 19 00-0001)*

08 51 19 00-0009	SF	Double Hung Stainless Steel Window Sash	153.32	8.01
08 51 19 00-0010	SF	Single Hung Stainless Steel Window Sash	107.74	8.01
08 51 19 00-0011	SF	Stainless Steel Picture Window Sash	89.62	8.01
08 51 19 00-0012	SF	Sliding Stainless Steel Window	158.23	8.01

08 51 19 00-0013 Casements *(08 51 19 00-0001)*

08 51 19 00-0014	SF	Stainless Steel Window Casements, 100% Vented Operable, Factory Primed	137.16	8.01
08 51 19 00-0015	SF	Stainless Steel Window Casements, 50% Vented Operable, Factory Primed	118.30	8.01
08 51 19 00-0016	SF	Stainless Steel Window Casements, Fixed Sash, Factory Primed	82.71	8.01

08 51 23 Steel Windows *(08 51)*

Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for glazing.

08 51 23 00-0001 Steel Windows *(08 51 23)*

08 51 23 00-0002 Industrial *(08 51 23 00-0001)*

08 51 23 00-0003	SF	Industrial Steel Window With Horizontal Pivot Sash	86.49	8.01
08 51 23 00-0004	SF	Industrial Steel Window, With Fixed Sash	77.46	8.01
08 51 23 00-0005	SF	Industrial Steel Window, With Operable Security Sash	123.54	8.01
08 51 23 00-0006	SF	Industrial Steel Window, With Fixed Security Sash	105.47	8.01

08 51 23 00-0007 Projected Sash *(08 51 23 00-0001)*

08 51 23 00-0008	SF	Commercial Projected Sash Window - 40% Vented Steel	97.30	8.01
08 51 23 00-0009	SF	Intermediate Projected Sash Window - 40% Vented Steel	107.23	8.01

08 51 23 00-0010 Other Type Sash *(08 51 23 00-0001)*

08 51 23 00-0011	SF	Double Hung Steel Window Sash	124.78	8.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 23 00-0012	SF	Steel Picture Window Sash	54.04	8.01
08 51 23 00-0013	SF	Fire Rated Double Hung Steel Window Sash	128.69	10.01
08 51 23 00-0014	SF	Single Hung Steel Window Sash	88.50	8.01
08 51 23 00-0015		Casements *(08 51 23 00-0001)*		
08 51 23 00-0016	SF	Steel Window Casements, 100% Vented Operable, Factory Primed	111.94	4.00
08 51 23 00-0017	SF	Steel Window Casements, 50% Vented Operable, Factory Primed	96.91	4.00
08 51 23 00-0018	SF	Steel Window Casements, Fixed Sash, Factory Primed	68.57	6.00
08 51 23 00-0019		Mullions *(08 51 23 00-0001)*		
08 51 23 00-0020	LF	Open Faced Steel Mullion	40.88	6.00
08 51 23 00-0021	LF	Covered Steel Mullions	69.28	6.00
08 51 23 00-0022		Removal And Reinstallation Of Metal Window And Frame *(08 51 23)* Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.		
08 51 23 00-0023	SF	Removal And Reinstallation Of Metal Window And Frame	20.89	

08 51 69 Metal Storm Windows *(08 51)*

08 51 69 00-0001		Storm Windows *(08 51 69)*		
08 51 69 00-0002	SF	Double Hung, Aluminum, Combination Storm And Screen	49.18	4.00

08 52 Wood Windows *(08 50)*

08 52 11 Wood Windows *(08 52)*

08 52 11 00-0001		Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11)* Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.		
08 52 11 00-0002		30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0003	EA	20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	372.33	
		For Low-E Insulated Glass, Add	*29.63*	
		For Aluminum Clad Exterior, Add	*31.75*	
08 52 11 00-0004	EA	24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	395.03	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0005	EA	28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	419.25	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0006	EA	30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	432.12	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0007	EA	32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	443.47	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0008	EA	34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	457.87	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0009	EA	36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	464.70	
		For Low-E Insulated Glass, Add	*38.38*	
		For Aluminum Clad Exterior, Add	*41.12*	
08 52 11 00-0010	EA	40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	493.44	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0011	EA	44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows	517.66	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0012		34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0013	EA	20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	395.03	
		For Low-E Insulated Glass, Add	*31.76*	
		For Aluminum Clad Exterior, Add	*34.03*	
08 52 11 00-0014	EA	24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	419.25	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0015	EA	28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	439.73	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0016	EA	30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	457.87	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0017	EA	32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	469.22	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0018	EA	34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	482.09	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0019	EA	36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	493.44	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	517.66	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows	541.89	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	

08 52 11 00-0022 36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	406.04	
		For Low-E Insulated Glass, Add	*33.04*	
		For Aluminum Clad Exterior, Add	*35.40*	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	430.26	
		For Low-E Insulated Glass, Add	*35.39*	
		For Aluminum Clad Exterior, Add	*37.91*	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	456.01	
		For Low-E Insulated Glass, Add	*37.94*	
		For Aluminum Clad Exterior, Add	*40.65*	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	467.35	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	480.23	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	491.57	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	504.44	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	527.14	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows	551.37	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	

08 52 11 00-0032 38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	421.12	
		For Low-E Insulated Glass, Add	*34.11*	
		For Aluminum Clad Exterior, Add	*36.54*	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	445.35	
		For Low-E Insulated Glass, Add	*36.45*	
		For Aluminum Clad Exterior, Add	*39.06*	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	471.09	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	483.96	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	495.31	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	508.17	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	519.53	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	543.76	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows	567.98	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	

08 52 11 00-0042 46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	469.22	
		For Low-E Insulated Glass, Add	*39.01*	
		For Aluminum Clad Exterior, Add	*41.80*	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	493.44	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	517.66	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	529.02	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	541.89	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	553.24	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0049	EA	36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	566.11	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0050	EA	40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	590.32	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0051	EA	44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows	616.08	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	

08 52 11 00-0052 48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0053	EA	20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	480.23	
		For Low-E Insulated Glass, Add	*40.29*	
		For Aluminum Clad Exterior, Add	*43.17*	
08 52 11 00-0054	EA	24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	504.44	
		For Low-E Insulated Glass, Add	*42.63*	
		For Aluminum Clad Exterior, Add	*45.68*	
08 52 11 00-0055	EA	28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	527.14	
		For Low-E Insulated Glass, Add	*44.77*	
		For Aluminum Clad Exterior, Add	*47.96*	
08 52 11 00-0056	EA	30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	540.02	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0057	EA	32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	551.37	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0058	EA	34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	564.24	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0059	EA	36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	575.59	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0060	EA	40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	601.33	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0061	EA	44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows	625.56	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	

08 52 11 00-0062 50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows

(08 52 11 00-0001)

08 52 11 00-0063	EA	20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	495.31	
		For Low-E Insulated Glass, Add	*41.35*	
		For Aluminum Clad Exterior, Add	*44.31*	
08 52 11 00-0064	EA	24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	519.53	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0065	EA	28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	543.76	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0066	EA	30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	555.10	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0067	EA	32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	567.98	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0068	EA	34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	579.32	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0069	EA	36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	592.19	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0070	EA	40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	617.95	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0071	EA	44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows	642.16	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0072		**54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0073	EA	20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	519.53	
		For Low-E Insulated Glass, Add	*43.70*	
		For Aluminum Clad Exterior, Add	*46.82*	
08 52 11 00-0074	EA	24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	543.76	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0075	EA	28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	567.98	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0076	EA	30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	579.32	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0077	EA	32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	592.19	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	605.07	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	617.95	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	642.16	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows	666.38	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0082		**58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	541.89	
		For Low-E Insulated Glass, Add	*46.04*	
		For Aluminum Clad Exterior, Add	*49.33*	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	566.11	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	590.32	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	603.20	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	616.08	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	627.43	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	640.29	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	664.51	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows	687.22	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0092		**60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** *(08 52 11 00-0001)*		
08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	551.37	
		For Low-E Insulated Glass, Add	*47.11*	
		For Aluminum Clad Exterior, Add	*50.48*	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	575.59	
		For Low-E Insulated Glass, Add	*49.46*	
		For Aluminum Clad Exterior, Add	*52.99*	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	601.33	
		For Low-E Insulated Glass, Add	*52.01*	
		For Aluminum Clad Exterior, Add	*55.73*	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	614.21	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	625.56	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	638.43	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	649.78	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	674.00	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows	698.22	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0102		62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	567.98	
		For Low-E Insulated Glass, Add	*48.39*	
		For Aluminum Clad Exterior, Add	*51.85*	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	592.19	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	617.95	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	629.30	
		For Low-E Insulated Glass, Add	*54.36*	
		For Aluminum Clad Exterior, Add	*58.24*	
08 52 11 00-0107	EA	32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	642.16	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0108	EA	34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	653.52	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0109	EA	36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	666.38	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0110	EA	40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	689.09	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0111	EA	44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows	713.31	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0112		66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0113	EA	20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	592.19	
		For Low-E Insulated Glass, Add	*50.73*	
		For Aluminum Clad Exterior, Add	*54.36*	
08 52 11 00-0114	EA	24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	617.95	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0115	EA	28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	642.16	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0116	EA	30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	653.52	
		For Low-E Insulated Glass, Add	*56.70*	
		For Aluminum Clad Exterior, Add	*60.75*	
08 52 11 00-0117	EA	32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	666.38	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0118	EA	34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	677.74	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	
08 52 11 00-0119	EA	36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	689.09	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0120	EA	40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	713.31	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0121	EA	44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows	737.53	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0122		70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows		
		(08 52 11 00-0001)		
08 52 11 00-0123	EA	20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	616.08	
		For Low-E Insulated Glass, Add	*53.29*	
		For Aluminum Clad Exterior, Add	*57.10*	
08 52 11 00-0124	EA	24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	640.29	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0125	EA	28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	664.51	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0126	EA	30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	675.87	
		For Low-E Insulated Glass, Add	*59.05*	
		For Aluminum Clad Exterior, Add	*63.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0127	EA	32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	687.22	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0128	EA	34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	704.61	
		For Low-E Insulated Glass, Add	*62.02*	
		For Aluminum Clad Exterior, Add	*66.45*	
08 52 11 00-0129	EA	36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	713.03	
		For Low-E Insulated Glass, Add	*62.68*	
		For Aluminum Clad Exterior, Add	*67.16*	
08 52 11 00-0130	EA	40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	735.67	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0131	EA	44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows	761.41	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0132		74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0133	EA	20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	642.16	
		For Low-E Insulated Glass, Add	*55.64*	
		For Aluminum Clad Exterior, Add	*59.61*	
08 52 11 00-0134	EA	24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	666.38	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0135	EA	28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	689.09	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	701.96	
		For Low-E Insulated Glass, Add	*61.39*	
		For Aluminum Clad Exterior, Add	*65.78*	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	713.31	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	726.18	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	737.53	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	763.28	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows	787.50	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	
08 52 11 00-0142		78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows *(08 52 11 00-0001)*		
08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	673.86	
		For Low-E Insulated Glass, Add	*57.98*	
		For Aluminum Clad Exterior, Add	*62.12*	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	696.56	
		For Low-E Insulated Glass, Add	*60.11*	
		For Aluminum Clad Exterior, Add	*64.41*	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	720.78	
		For Low-E Insulated Glass, Add	*62.46*	
		For Aluminum Clad Exterior, Add	*66.92*	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	733.65	
		For Low-E Insulated Glass, Add	*63.74*	
		For Aluminum Clad Exterior, Add	*68.29*	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	745.01	
		For Low-E Insulated Glass, Add	*64.80*	
		For Aluminum Clad Exterior, Add	*69.43*	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	757.88	
		For Low-E Insulated Glass, Add	*66.08*	
		For Aluminum Clad Exterior, Add	*70.80*	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	770.75	
		For Low-E Insulated Glass, Add	*67.36*	
		For Aluminum Clad Exterior, Add	*72.17*	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	794.97	
		For Low-E Insulated Glass, Add	*69.71*	
		For Aluminum Clad Exterior, Add	*74.69*	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows	819.20	
		For Low-E Insulated Glass, Add	*72.05*	
		For Aluminum Clad Exterior, Add	*77.20*	
08 52 11 00-0152		Commercial And Institutional Heavy Double Hung Windows *(08 52 11)*		
		Note: With true divided lites. Performance grade DP 40 in NWWDA I.S. 2-93. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.		
08 52 11 00-0153	SF	Up To 21 SF Double Hung Wood Window With True Divided Lite	198.19	16.69
		For Insulating Glass, Add	*14.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0154	SF	21 To 40 SF Double Hung Wood Window With True Divided Lite	184.66	18.55
		For Insulating Glass, Add	*12.55*	
08 52 11 00-0155	SF	40 SF And Over Double Hung Wood Window With True Divided Lite	171.59	20.82
		For Insulating Glass, Add	*11.04*	

08 52 11 00-0156 Architectural And Historic Reproduction Wood Windows *(08 52 11)*

Note: Fixed casement, awning, and double hung. With true divided lites. Casement performance grade DP 40; awning performance grade DP 25; double hung performance grade DP 30. Includes complete unit with hardware, blocking and accessories, glazing, caulking, prepare opening, anchors, testing and certifications. Excludes painting.

08 52 11 00-0157	SF	Up To 21 SF Architectural And Historic Reproduction Wood Window	215.58	16.68
		For Insulating Glass, Add	*15.49*	
08 52 11 00-0158	SF	21 To 40 SF Architectural And Historic Reproduction Wood Window	194.05	18.54
		For Insulating Glass, Add	*13.34*	
08 52 11 00-0159	SF	40 SF And Over Architectural And Historic Reproduction Wood Window	177.09	20.81
		For Insulating Glass, Add	*11.51*	

08 52 11 00-0160 Removal And Reinstallation Of Wood Window And Frame *(08 52 11)*

Note: Includes storage, cleaning and supply materials.

08 52 11 00-0161	SF	Removal And Reinstallation Of Wood Windows And Frames	32.07	

08 52 16 Plastic-Clad Wood Windows *(08 52)*

08 52 16 00-0001 Double Hung Wood Clad Windows *(08 52 16)*

Note: Double hung windows feature two movable sashes that operate vertically and open independently.

08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	431.42	61.39
		For Low-E Insulated Glass, Add	*37.04*	
		For Tempered Clear Insulated Glass, Add	*61.73*	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	456.78	64.06
		For Low-E Insulated Glass, Add	*39.44*	
		For Tempered Clear Insulated Glass, Add	*65.73*	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	480.47	66.72
		For Low-E Insulated Glass, Add	*41.64*	
		For Tempered Clear Insulated Glass, Add	*69.40*	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	504.16	69.40
		For Low-E Insulated Glass, Add	*43.84*	
		For Tempered Clear Insulated Glass, Add	*73.07*	

08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	467.78	65.40
		For Low-E Insulated Glass, Add	*40.44*	
		For Tempered Clear Insulated Glass, Add	*67.40*	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	493.14	68.06
		For Low-E Insulated Glass, Add	*42.84*	
		For Tempered Clear Insulated Glass, Add	*71.40*	
08 52 16 00-0011	EA	31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	516.84	70.73
		For Low-E Insulated Glass, Add	*45.04*	
		For Tempered Clear Insulated Glass, Add	*75.07*	
08 52 16 00-0012	EA	35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	540.53	73.40
		For Low-E Insulated Glass, Add	*47.25*	
		For Tempered Clear Insulated Glass, Add	*78.74*	

08 52 16 00-0013 47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0014	EA	23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	504.16	69.40
		For Low-E Insulated Glass, Add	*43.84*	
		For Tempered Clear Insulated Glass, Add	*73.07*	
08 52 16 00-0015	EA	27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	527.84	72.07
		For Low-E Insulated Glass, Add	*46.05*	
		For Tempered Clear Insulated Glass, Add	*76.74*	
08 52 16 00-0016	EA	31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	553.20	74.74
		For Low-E Insulated Glass, Add	*48.45*	
		For Tempered Clear Insulated Glass, Add	*80.75*	
08 52 16 00-0017	EA	35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	576.89	77.41
		For Low-E Insulated Glass, Add	*50.65*	
		For Tempered Clear Insulated Glass, Add	*84.42*	

08 52 16 00-0018 53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0019	EA	23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	540.53	73.40
		For Low-E Insulated Glass, Add	*47.25*	
		For Tempered Clear Insulated Glass, Add	*78.74*	
08 52 16 00-0020	EA	27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	564.21	76.07
		For Low-E Insulated Glass, Add	*49.45*	
		For Tempered Clear Insulated Glass, Add	*82.41*	
08 52 16 00-0021	EA	31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	587.90	78.74
		For Low-E Insulated Glass, Add	*51.65*	
		For Tempered Clear Insulated Glass, Add	*86.08*	
08 52 16 00-0022	EA	35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	613.26	81.41
		For Low-E Insulated Glass, Add	*54.05*	
		For Tempered Clear Insulated Glass, Add	*90.09*	

08 52 16 00-0023 56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0024	EA	19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	534.18	73.40
		For Low-E Insulated Glass, Add	*46.65*	
		For Tempered Clear Insulated Glass, Add	*77.74*	
08 52 16 00-0025	EA	23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	557.88	75.40
		For Low-E Insulated Glass, Add	*48.85*	
		For Tempered Clear Insulated Glass, Add	*81.41*	
08 52 16 00-0026	EA	27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	583.23	78.74
		For Low-E Insulated Glass, Add	*51.25*	
		For Tempered Clear Insulated Glass, Add	*85.42*	
08 52 16 00-0027	EA	31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	606.92	81.41
		For Low-E Insulated Glass, Add	*53.45*	
		For Tempered Clear Insulated Glass, Add	*89.09*	
08 52 16 00-0028	EA	35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	630.61	84.07
		For Low-E Insulated Glass, Add	*55.65*	
		For Tempered Clear Insulated Glass, Add	*92.76*	
08 52 16 00-0029	EA	39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	654.30	86.75
		For Low-E Insulated Glass, Add	*57.86*	
		For Tempered Clear Insulated Glass, Add	*96.43*	

08 52 16 00-0030 59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0031	EA	19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	553.20	74.74
		For Low-E Insulated Glass, Add	*48.45*	
		For Tempered Clear Insulated Glass, Add	*80.75*	
08 52 16 00-0032	EA	23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	576.89	77.41
		For Low-E Insulated Glass, Add	*50.65*	
		For Tempered Clear Insulated Glass, Add	*84.42*	
08 52 16 00-0033	EA	27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	600.58	80.07
		For Low-E Insulated Glass, Add	*52.85*	
		For Tempered Clear Insulated Glass, Add	*88.09*	
08 52 16 00-0034	EA	31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	624.26	82.75
		For Low-E Insulated Glass, Add	*55.05*	
		For Tempered Clear Insulated Glass, Add	*91.76*	
08 52 16 00-0035	EA	35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	647.95	85.41
		For Low-E Insulated Glass, Add	*57.26*	
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0036	EA	39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	673.31	88.08
		For Low-E Insulated Glass, Add	*59.66*	
		For Tempered Clear Insulated Glass, Add	*99.43*	

08 52 16 00-0037 65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	613.26	81.41
		For Low-E Insulated Glass, Add	*54.05*	
		For Tempered Clear Insulated Glass, Add	*90.09*	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	636.95	84.07
		For Low-E Insulated Glass, Add	*56.25*	
		For Tempered Clear Insulated Glass, Add	*93.76*	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	660.64	86.75
		For Low-E Insulated Glass, Add	*58.46*	
		For Tempered Clear Insulated Glass, Add	*97.43*	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	684.32	89.42
		For Low-E Insulated Glass, Add	*60.66*	
		For Tempered Clear Insulated Glass, Add	*101.10*	

08 52 16 00-0042 71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) *(08 52 16 00-0002)*

08 52 16 00-0043	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	647.95	85.41
		For Low-E Insulated Glass, Add	*57.26*	
		For Tempered Clear Insulated Glass, Add	*95.43*	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	673.31	88.08
		For Low-E Insulated Glass, Add	*59.66*	
		For Tempered Clear Insulated Glass, Add	*99.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	697.01	90.75
		For Low-E Insulated Glass, Add	*61.86*	
		For Tempered Clear Insulated Glass, Add	*103.10*	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)	720.70	93.42
		For Low-E Insulated Glass, Add	*64.06*	
		For Tempered Clear Insulated Glass, Add	*106.77*	

08 52 16 00-0047 Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0001)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0048 36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	530.18	61.39
		For Tempered Low-E Insulated Glass, Add	*81.75*	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	562.21	63.40
		For Tempered Low-E Insulated Glass, Add	*87.09*	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	595.91	66.06
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	613.60	68.06
		For Tempered Low-E Insulated Glass, Add	*95.76*	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	629.61	69.40
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.62	70.73
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	663.31	71.40
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.33	74.07
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.03	76.74
		For Tempered Low-E Insulated Glass, Add	*115.11*	

08 52 16 00-0058 40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	562.21	64.06
		For Tempered Low-E Insulated Glass, Add	*87.09*	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	595.91	66.06
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	629.61	68.73
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	645.62	70.73
		For Tempered Low-E Insulated Glass, Add	*101.10*	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	663.31	72.07
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	679.33	73.40
		For Tempered Low-E Insulated Glass, Add	*106.77*	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.33	74.07
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.03	76.74
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	762.73	79.41
		For Tempered Low-E Insulated Glass, Add	*120.78*	

08 52 16 00-0068 44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	595.91	66.72
		For Tempered Low-E Insulated Glass, Add	*92.76*	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	629.61	68.73
		For Tempered Low-E Insulated Glass, Add	*98.43*	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	663.31	71.40
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0072	EA	31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	679.33	73.40
		For Tempered Low-E Insulated Glass, Add	*106.77*	
08 52 16 00-0073	EA	33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.33	74.74
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0074	EA	35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.03	76.07
		For Tempered Low-E Insulated Glass, Add	*112.44*	
08 52 16 00-0075	EA	37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.03	76.74
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0076	EA	41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	762.73	79.41
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0077	EA	45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	796.45	82.07
		For Tempered Low-E Insulated Glass, Add	*126.46*	

08 52 16 00-0078 48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0079	EA	21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	629.61	69.40
		For Tempered Low-E Insulated Glass, Add	*98.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0080	EA	25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	663.31	71.40
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0081	EA	29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.33	74.07
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0082	EA	31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.03	76.07
		For Tempered Low-E Insulated Glass, Add	*112.44*	
08 52 16 00-0083	EA	33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.03	77.41
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0084	EA	35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	745.06	78.74
		For Tempered Low-E Insulated Glass, Add	*117.78*	
08 52 16 00-0085	EA	37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	762.73	79.41
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0086	EA	41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	796.45	82.07
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0087	EA	45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	828.47	84.75
		For Tempered Low-E Insulated Glass, Add	*131.80*	

08 52 16 00-0088 52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0089	EA	21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	663.31	72.07
		For Tempered Low-E Insulated Glass, Add	*104.10*	
08 52 16 00-0090	EA	25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.33	74.07
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0091	EA	29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.03	76.74
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0092	EA	31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	745.06	78.74
		For Tempered Low-E Insulated Glass, Add	*117.78*	
08 52 16 00-0093	EA	33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	762.73	80.07
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0094	EA	35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	778.75	81.41
		For Tempered Low-E Insulated Glass, Add	*123.45*	
08 52 16 00-0095	EA	37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	796.45	82.07
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0096	EA	41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	828.47	84.75
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0097	EA	45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	862.17	87.41
		For Tempered Low-E Insulated Glass, Add	*137.47*	

08 52 16 00-0098 56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0099	EA	21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	695.33	74.74
		For Tempered Low-E Insulated Glass, Add	*109.44*	
08 52 16 00-0100	EA	25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.03	76.74
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0101	EA	29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	762.73	79.41
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0102	EA	31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	778.75	81.41
		For Tempered Low-E Insulated Glass, Add	*123.45*	
08 52 16 00-0103	EA	33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	796.45	82.75
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0104	EA	35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	812.45	84.07
		For Tempered Low-E Insulated Glass, Add	*129.13*	
08 52 16 00-0105	EA	37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	828.47	84.75
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0106	EA	41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	862.17	87.41
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0107	EA	45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	895.87	90.08
		For Tempered Low-E Insulated Glass, Add	*143.14*	

08 52 16 00-0108 60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0109	EA	21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	729.03	77.41
		For Tempered Low-E Insulated Glass, Add	*115.11*	
08 52 16 00-0110	EA	25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	762.73	79.41
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	796.45	82.07
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	812.45	84.07
		For Tempered Low-E Insulated Glass, Add	*129.13*	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	828.47	85.41
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	846.15	86.75
		For Tempered Low-E Insulated Glass, Add	*134.80*	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	862.17	87.41
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	895.87	90.08
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	927.90	92.75
		For Tempered Low-E Insulated Glass, Add	*148.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0118		64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	762.73	80.07
		For Tempered Low-E Insulated Glass, Add	*120.78*	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	796.45	82.07
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	828.47	84.75
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	846.15	86.75
		For Tempered Low-E Insulated Glass, Add	*134.80*	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	862.17	88.08
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	878.19	89.42
		For Tempered Low-E Insulated Glass, Add	*140.14*	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	895.87	90.08
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	927.90	92.75
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	961.59	95.42
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0128		68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	796.45	82.75
		For Tempered Low-E Insulated Glass, Add	*126.46*	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	828.47	84.75
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	862.17	87.41
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	878.19	89.42
		For Tempered Low-E Insulated Glass, Add	*140.14*	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	895.87	90.75
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	911.88	92.09
		For Tempered Low-E Insulated Glass, Add	*145.81*	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	927.90	92.75
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	961.59	95.42
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	995.30	98.10
		For Tempered Low-E Insulated Glass, Add	*159.82*	
08 52 16 00-0138		72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0139	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	828.47	85.41
		For Tempered Low-E Insulated Glass, Add	*131.80*	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	862.17	87.41
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	895.87	90.08
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	911.88	92.09
		For Tempered Low-E Insulated Glass, Add	*145.81*	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	927.90	93.42
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	945.58	94.76
		For Tempered Low-E Insulated Glass, Add	*151.48*	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	961.59	95.42
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	995.30	98.10
		For Tempered Low-E Insulated Glass, Add	*159.82*	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,029.00	100.76
		For Tempered Low-E Insulated Glass, Add	*165.50*	
08 52 16 00-0148		76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*		
08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	862.17	88.08
		For Tempered Low-E Insulated Glass, Add	*137.47*	
08 52 16 00-0150	EA	25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	895.87	90.08
		For Tempered Low-E Insulated Glass, Add	*143.14*	
08 52 16 00-0151	EA	29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	927.90	92.75
		For Tempered Low-E Insulated Glass, Add	*148.48*	
08 52 16 00-0152	EA	31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	945.58	94.76
		For Tempered Low-E Insulated Glass, Add	*151.48*	
08 52 16 00-0153	EA	33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	961.59	96.09
		For Tempered Low-E Insulated Glass, Add	*154.15*	
08 52 16 00-0154	EA	35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	979.28	97.42
		For Tempered Low-E Insulated Glass, Add	*157.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0155	EA	37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	995.30	98.10
		For Tempered Low-E Insulated Glass, Add	*159.82*	
08 52 16 00-0156	EA	41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,029.00	100.76
		For Tempered Low-E Insulated Glass, Add	*165.50*	
08 52 16 00-0157	EA	45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,061.03	103.43
		For Tempered Low-E Insulated Glass, Add	*170.83*	

08 52 16 00-0158 84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0159	EA	21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,324.96	93.42
		For Tempered Low-E Insulated Glass, Add	*227.89*	
08 52 16 00-0160	EA	25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,372.00	95.42
		For Tempered Low-E Insulated Glass, Add	*236.23*	
08 52 16 00-0161	EA	29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,419.04	98.10
		For Tempered Low-E Insulated Glass, Add	*244.57*	
08 52 16 00-0162	EA	31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,441.74	100.10
		For Tempered Low-E Insulated Glass, Add	*248.58*	
08 52 16 00-0163	EA	33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,466.09	101.42
		For Tempered Low-E Insulated Glass, Add	*252.91*	
08 52 16 00-0164	EA	35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,488.78	102.76
		For Tempered Low-E Insulated Glass, Add	*256.92*	
08 52 16 00-0165	EA	37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,511.47	103.43
		For Tempered Low-E Insulated Glass, Add	*260.92*	
08 52 16 00-0166	EA	41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,558.51	106.10
		For Tempered Low-E Insulated Glass, Add	*269.26*	
08 52 16 00-0167	EA	45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,605.56	108.77
		For Tempered Low-E Insulated Glass, Add	*277.61*	

08 52 16 00-0168 88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) *(08 52 16 00-0047)*

08 52 16 00-0169	EA	21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,372.00	96.09
		For Tempered Low-E Insulated Glass, Add	*236.23*	
08 52 16 00-0170	EA	25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,419.04	98.10
		For Tempered Low-E Insulated Glass, Add	*244.57*	
08 52 16 00-0171	EA	29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,466.09	100.76
		For Tempered Low-E Insulated Glass, Add	*252.91*	
08 52 16 00-0172	EA	31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,488.78	102.76
		For Tempered Low-E Insulated Glass, Add	*256.92*	
08 52 16 00-0173	EA	33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,511.47	104.10
		For Tempered Low-E Insulated Glass, Add	*260.92*	
08 52 16 00-0174	EA	35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,535.83	105.43
		For Tempered Low-E Insulated Glass, Add	*265.26*	
08 52 16 00-0175	EA	37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,558.51	106.10
		For Tempered Low-E Insulated Glass, Add	*269.26*	
08 52 16 00-0176	EA	41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,605.56	108.77
		For Tempered Low-E Insulated Glass, Add	*277.61*	
08 52 16 00-0177	EA	45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	1,652.60	111.43
		For Tempered Low-E Insulated Glass, Add	*285.95*	

08 52 16 00-0178 Casement Wood Clad Windows *(08 52 16)*

Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.

08 52 16 00-0179 Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0178)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0180 One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*

08 52 16 00-0181 24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0182	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	464.84	50.71
		For Tempered Clear Insulated Glass, Add	*72.95*	
08 52 16 00-0183	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	491.47	52.05
		For Tempered Clear Insulated Glass, Add	*77.47*	
08 52 16 00-0184	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	521.32	54.72
		For Tempered Clear Insulated Glass, Add	*82.38*	
08 52 16 00-0185	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	548.88	57.39
		For Tempered Clear Insulated Glass, Add	*86.82*	

08 52 16 00-0186 28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0180)*

08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	498.46	53.39
		For Tempered Clear Insulated Glass, Add	*78.61*	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	525.09	54.72
		For Tempered Clear Insulated Glass, Add	*83.13*	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	554.94	57.39
		For Tempered Clear Insulated Glass, Add	*88.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	569.97	60.06
		For Tempered Clear Insulated Glass, Add	*89.97*	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	604.37	62.72
		For Tempered Clear Insulated Glass, Add	*96.05*	
08 52 16 00-0192		**35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	558.71	57.39
		For Tempered Clear Insulated Glass, Add	*88.79*	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	587.23	60.06
		For Tempered Clear Insulated Glass, Add	*93.69*	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	617.09	62.06
		For Tempered Clear Insulated Glass, Add	*98.59*	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	663.92	64.72
		For Tempered Clear Insulated Glass, Add	*106.89*	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	708.40	66.72
		For Tempered Clear Insulated Glass, Add	*114.99*	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	751.66	68.06
		For Tempered Clear Insulated Glass, Add	*123.11*	
08 52 16 00-0199		**40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	599.34	61.39
		For Tempered Clear Insulated Glass, Add	*95.58*	
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	625.96	62.72
		For Tempered Clear Insulated Glass, Add	*100.10*	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	655.81	65.40
		For Tempered Clear Insulated Glass, Add	*105.01*	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	723.38	68.06
		For Tempered Clear Insulated Glass, Add	*117.45*	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	769.97	70.73
		For Tempered Clear Insulated Glass, Add	*125.97*	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	813.81	73.40
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0206		**48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	657.15	66.72
		For Tempered Clear Insulated Glass, Add	*105.01*	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	685.66	68.06
		For Tempered Clear Insulated Glass, Add	*109.91*	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	715.53	70.73
		For Tempered Clear Insulated Glass, Add	*114.81*	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	808.54	73.40
		For Tempered Clear Insulated Glass, Add	*132.35*	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	845.10	76.07
		For Tempered Clear Insulated Glass, Add	*138.86*	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	899.92	78.74
		For Tempered Clear Insulated Glass, Add	*148.75*	
08 52 16 00-0213		**52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	696.43	69.40
		For Tempered Clear Insulated Glass, Add	*111.79*	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	723.07	70.73
		For Tempered Clear Insulated Glass, Add	*116.32*	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	752.93	73.40
		For Tempered Clear Insulated Glass, Add	*121.22*	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	867.63	76.07
		For Tempered Clear Insulated Glass, Add	*143.10*	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	922.05	78.74
		For Tempered Clear Insulated Glass, Add	*153.18*	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	958.05	81.41
		For Tempered Clear Insulated Glass, Add	*159.31*	
08 52 16 00-0220		**59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	752.93	73.40
		For Tempered Clear Insulated Glass, Add	*121.22*	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	781.44	76.07
		For Tempered Clear Insulated Glass, Add	*126.13*	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	811.29	78.07
		For Tempered Clear Insulated Glass, Add	*131.03*	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	952.40	80.75
		For Tempered Clear Insulated Glass, Add	*158.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0225	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	991.06	82.75
		For Tempered Clear Insulated Glass, Add	*165.12*	
08 52 16 00-0226	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,042.82	85.41
		For Tempered Clear Insulated Glass, Add	*174.40*	
08 52 16 00-0227		**64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0228	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	793.53	77.41
		For Tempered Clear Insulated Glass, Add	*128.01*	
08 52 16 00-0229	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	820.17	78.74
		For Tempered Clear Insulated Glass, Add	*132.54*	
08 52 16 00-0230	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	850.02	81.41
		For Tempered Clear Insulated Glass, Add	*137.44*	
08 52 16 00-0231	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,011.88	84.07
		For Tempered Clear Insulated Glass, Add	*168.74*	
08 52 16 00-0232	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,047.86	86.75
		For Tempered Clear Insulated Glass, Add	*175.14*	
08 52 16 00-0233	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,102.30	89.42
		For Tempered Clear Insulated Glass, Add	*184.96*	
08 52 16 00-0234		**71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0180)*		
08 52 16 00-0235	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	850.02	81.41
		For Tempered Clear Insulated Glass, Add	*137.44*	
08 52 16 00-0236	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	878.54	84.07
		For Tempered Clear Insulated Glass, Add	*142.34*	
08 52 16 00-0237	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	908.39	86.08
		For Tempered Clear Insulated Glass, Add	*147.25*	
08 52 16 00-0238	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,096.65	88.75
		For Tempered Clear Insulated Glass, Add	*183.83*	
08 52 16 00-0239	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,140.76	90.75
		For Tempered Clear Insulated Glass, Add	*191.85*	
08 52 16 00-0240	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	1,187.07	93.42
		For Tempered Clear Insulated Glass, Add	*200.05*	
08 52 16 00-0241		**Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0179)*		
08 52 16 00-0242		**24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0243	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	829.19	65.40
		For Tempered Clear Insulated Glass, Add	*139.68*	
08 52 16 00-0244	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	941.99	70.73
		For Tempered Clear Insulated Glass, Add	*160.10*	
08 52 16 00-0245	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,072.54	76.07
		For Tempered Clear Insulated Glass, Add	*184.08*	
08 52 16 00-0246		**28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0247	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	894.37	68.06
		For Tempered Clear Insulated Glass, Add	*151.65*	
08 52 16 00-0248	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,007.17	73.40
		For Tempered Clear Insulated Glass, Add	*172.07*	
08 52 16 00-0249	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,137.72	78.74
		For Tempered Clear Insulated Glass, Add	*196.05*	
08 52 16 00-0250		**35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0251	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	886.35	68.06
		For Tempered Clear Insulated Glass, Add	*150.05*	
08 52 16 00-0252	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,001.30	73.40
		For Tempered Clear Insulated Glass, Add	*171.17*	
08 52 16 00-0253	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,121.35	78.74
		For Tempered Clear Insulated Glass, Add	*193.04*	
08 52 16 00-0254	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,260.25	83.41
		For Tempered Clear Insulated Glass, Add	*218.69*	
08 52 16 00-0255	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,353.36	87.41
		For Tempered Clear Insulated Glass, Add	*235.71*	
08 52 16 00-0256	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,508.44	93.42
		For Tempered Clear Insulated Glass, Add	*264.32*	
08 52 16 00-0257		**40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0241)*		
08 52 16 00-0258	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	966.57	71.40
		For Tempered Clear Insulated Glass, Add	*164.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0259	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,081.51	76.07
		For Tempered Clear Insulated Glass, Add	*185.87*	
08 52 16 00-0260	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,201.56	81.41
		For Tempered Clear Insulated Glass, Add	*207.75*	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,340.47	86.75
		For Tempered Clear Insulated Glass, Add	*233.39*	
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,443.58	90.75
		For Tempered Clear Insulated Glass, Add	*252.41*	
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,877.17	96.76
		For Tempered Clear Insulated Glass, Add	*336.73*	

08 52 16 00-0264 48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,084.73	76.74
		For Tempered Clear Insulated Glass, Add	*186.25*	
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,201.56	81.41
		For Tempered Clear Insulated Glass, Add	*207.75*	
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,321.62	86.75
		For Tempered Clear Insulated Glass, Add	*229.62*	
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,460.52	92.09
		For Tempered Clear Insulated Glass, Add	*255.27*	
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,559.28	96.09
		For Tempered Clear Insulated Glass, Add	*273.42*	
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,708.71	102.10
		For Tempered Clear Insulated Glass, Add	*300.90*	

08 52 16 00-0271 52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,163.61	79.41
		For Tempered Clear Insulated Glass, Add	*200.96*	
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,278.56	84.07
		For Tempered Clear Insulated Glass, Add	*222.08*	
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,384.61	89.42
		For Tempered Clear Insulated Glass, Add	*241.16*	
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,537.51	94.76
		For Tempered Clear Insulated Glass, Add	*269.60*	
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,641.00	98.76
		For Tempered Clear Insulated Glass, Add	*288.70*	
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,787.59	104.76
		For Tempered Clear Insulated Glass, Add	*315.61*	

08 52 16 00-0278 59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,280.45	84.07
		For Tempered Clear Insulated Glass, Add	*222.46*	
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,395.39	89.42
		For Tempered Clear Insulated Glass, Add	*243.58*	
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,515.43	94.76
		For Tempered Clear Insulated Glass, Add	*265.45*	
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,654.35	99.42
		For Tempered Clear Insulated Glass, Add	*291.10*	
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,757.83	103.43
		For Tempered Clear Insulated Glass, Add	*310.19*	
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,902.53	109.43
		For Tempered Clear Insulated Glass, Add	*336.73*	

08 52 16 00-0285 64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,360.66	87.41
		For Tempered Clear Insulated Glass, Add	*237.17*	
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,475.60	92.09
		For Tempered Clear Insulated Glass, Add	*258.29*	
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,597.54	97.42
		For Tempered Clear Insulated Glass, Add	*280.54*	
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,736.44	102.76
		For Tempered Clear Insulated Glass, Add	*306.18*	

08 52 16 00-0290 71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0241)*

08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,477.49	92.09
		For Tempered Clear Insulated Glass, Add	*258.66*	
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,592.43	97.42
		For Tempered Clear Insulated Glass, Add	*279.78*	
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,712.48	102.76
		For Tempered Clear Insulated Glass, Add	*301.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,851.39	107.43
		For Tempered Clear Insulated Glass, Add	*327.30*	
08 52 16 00-0295		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0179)*		
08 52 16 00-0296		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0297	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,312.89	86.08
		For Tempered Clear Insulated Glass, Add	*228.15*	
08 52 16 00-0298	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,526.56	94.76
		For Tempered Clear Insulated Glass, Add	*267.41*	
08 52 16 00-0299		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0300	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,392.93	88.75
		For Tempered Clear Insulated Glass, Add	*243.09*	
08 52 16 00-0301	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,592.60	97.42
		For Tempered Clear Insulated Glass, Add	*279.55*	
08 52 16 00-0302		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0303	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,340.86	86.75
		For Tempered Clear Insulated Glass, Add	*233.47*	
08 52 16 00-0304	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,512.22	93.42
		For Tempered Clear Insulated Glass, Add	*265.08*	
08 52 16 00-0305	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,723.80	102.76
		For Tempered Clear Insulated Glass, Add	*303.92*	
08 52 16 00-0306		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0307	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,417.23	90.75
		For Tempered Clear Insulated Glass, Add	*247.41*	
08 52 16 00-0308	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,594.31	96.76
		For Tempered Clear Insulated Glass, Add	*280.16*	
08 52 16 00-0309	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,804.01	105.43
		For Tempered Clear Insulated Glass, Add	*318.63*	
08 52 16 00-0310		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0311	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,712.48	102.10
		For Tempered Clear Insulated Glass, Add	*301.66*	
08 52 16 00-0312	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,922.18	110.77
		For Tempered Clear Insulated Glass, Add	*340.13*	
08 52 16 00-0313		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0314	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,791.36	104.76
		For Tempered Clear Insulated Glass, Add	*316.37*	
08 52 16 00-0315	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,001.06	113.44
		For Tempered Clear Insulated Glass, Add	*354.84*	
08 52 16 00-0316		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0295)*		
08 52 16 00-0317	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	1,906.31	109.43
		For Tempered Clear Insulated Glass, Add	*337.49*	
08 52 16 00-0318	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series)	2,117.89	118.77
		For Tempered Clear Insulated Glass, Add	*376.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0319		Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0178)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320		One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0321		24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0322	EA	17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	552.53	50.71
		For Tempered Low-E Insulated Glass, Add	*90.49*	
08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	584.81	52.05
		For Tempered Low-E Insulated Glass, Add	*96.14*	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	620.79	54.72
		For Tempered Low-E Insulated Glass, Add	*102.27*	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	653.91	57.39
		For Tempered Low-E Insulated Glass, Add	*107.83*	
08 52 16 00-0326		28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	593.22	53.39
		For Tempered Low-E Insulated Glass, Add	*97.56*	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	625.50	54.72
		For Tempered Low-E Insulated Glass, Add	*103.21*	
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	661.49	57.39
		For Tempered Low-E Insulated Glass, Add	*109.34*	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	678.94	60.06
		For Tempered Low-E Insulated Glass, Add	*111.77*	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	720.93	62.72
		For Tempered Low-E Insulated Glass, Add	*119.36*	
08 52 16 00-0332		35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	666.20	57.39
		For Tempered Low-E Insulated Glass, Add	*110.29*	
08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	700.84	60.06
		For Tempered Low-E Insulated Glass, Add	*116.41*	
08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	736.84	62.06
		For Tempered Low-E Insulated Glass, Add	*122.54*	
08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	794.03	64.72
		For Tempered Low-E Insulated Glass, Add	*132.91*	
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	848.64	66.72
		For Tempered Low-E Insulated Glass, Add	*143.04*	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	902.05	68.06
		For Tempered Low-E Insulated Glass, Add	*153.19*	
08 52 16 00-0339		40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	715.31	61.39
		For Tempered Low-E Insulated Glass, Add	*118.77*	
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	747.59	62.72
		For Tempered Low-E Insulated Glass, Add	*124.43*	
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	783.57	65.40
		For Tempered Low-E Insulated Glass, Add	*130.56*	
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	866.69	68.06
		For Tempered Low-E Insulated Glass, Add	*146.11*	
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	923.93	70.73
		For Tempered Low-E Insulated Glass, Add	*156.76*	
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	977.40	73.40
		For Tempered Low-E Insulated Glass, Add	*166.39*	
08 52 16 00-0346		48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	784.91	66.72
		For Tempered Low-E Insulated Glass, Add	*130.56*	
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	819.55	68.06
		For Tempered Low-E Insulated Glass, Add	*136.69*	
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	855.54	70.73
		For Tempered Low-E Insulated Glass, Add	*142.81*	
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	970.48	73.40
		For Tempered Low-E Insulated Glass, Add	*164.73*	
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,015.18	76.07
		For Tempered Low-E Insulated Glass, Add	*172.87*	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,082.37	78.74
		For Tempered Low-E Insulated Glass, Add	*185.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0353		52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	832.68	69.40
		For Tempered Low-E Insulated Glass, Add	*139.04*	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	864.97	70.73
		For Tempered Low-E Insulated Glass, Add	*144.70*	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	900.96	73.40
		For Tempered Low-E Insulated Glass, Add	*150.83*	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,043.00	76.07
		For Tempered Low-E Insulated Glass, Add	*178.17*	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,110.03	78.74
		For Tempered Low-E Insulated Glass, Add	*190.78*	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,153.70	81.41
		For Tempered Low-E Insulated Glass, Add	*198.44*	
08 52 16 00-0360		59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0361	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	900.96	73.40
		For Tempered Low-E Insulated Glass, Add	*150.83*	
08 52 16 00-0362	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	935.60	76.07
		For Tempered Low-E Insulated Glass, Add	*156.96*	
08 52 16 00-0363	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	971.58	78.07
		For Tempered Low-E Insulated Glass, Add	*163.09*	
08 52 16 00-0364	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,146.63	80.75
		For Tempered Low-E Insulated Glass, Add	*197.03*	
08 52 16 00-0365	EA	31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,193.95	82.75
		For Tempered Low-E Insulated Glass, Add	*205.69*	
08 52 16 00-0366	EA	35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,257.33	85.41
		For Tempered Low-E Insulated Glass, Add	*217.30*	
08 52 16 00-0367		64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0368	EA	17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	950.04	77.41
		For Tempered Low-E Insulated Glass, Add	*159.31*	
08 52 16 00-0369	EA	20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	982.34	78.74
		For Tempered Low-E Insulated Glass, Add	*164.97*	
08 52 16 00-0370	EA	24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,018.32	81.41
		For Tempered Low-E Insulated Glass, Add	*171.10*	
08 52 16 00-0371	EA	28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,219.31	84.07
		For Tempered Low-E Insulated Glass, Add	*210.23*	
08 52 16 00-0372	EA	31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,263.29	86.75
		For Tempered Low-E Insulated Glass, Add	*218.23*	
08 52 16 00-0373	EA	35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,330.01	89.42
		For Tempered Low-E Insulated Glass, Add	*230.50*	
08 52 16 00-0374		71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0320)*		
08 52 16 00-0375	EA	17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,018.32	81.41
		For Tempered Low-E Insulated Glass, Add	*171.10*	
08 52 16 00-0376	EA	20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,052.97	84.07
		For Tempered Low-E Insulated Glass, Add	*177.23*	
08 52 16 00-0377	EA	24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,088.95	86.08
		For Tempered Low-E Insulated Glass, Add	*183.36*	
08 52 16 00-0378	EA	28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,322.93	88.75
		For Tempered Low-E Insulated Glass, Add	*229.09*	
08 52 16 00-0379	EA	31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,377.07	90.75
		For Tempered Low-E Insulated Glass, Add	*239.11*	
08 52 16 00-0380	EA	35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,433.63	93.42
		For Tempered Low-E Insulated Glass, Add	*249.36*	
08 52 16 00-0381		Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0382		24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0383	EA	40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	996.79	65.40
		For Tempered Low-E Insulated Glass, Add	*173.20*	
08 52 16 00-0384	EA	48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,135.12	70.73
		For Tempered Low-E Insulated Glass, Add	*198.73*	
08 52 16 00-0385	EA	56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,295.64	76.07
		For Tempered Low-E Insulated Glass, Add	*228.70*	
08 52 16 00-0386		28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0387	EA	40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,076.93	68.06
		For Tempered Low-E Insulated Glass, Add	*188.16*	
08 52 16 00-0388	EA	48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,215.27	73.40
		For Tempered Low-E Insulated Glass, Add	*213.69*	
08 52 16 00-0389	EA	56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,375.78	78.74
		For Tempered Low-E Insulated Glass, Add	*243.66*	
08 52 16 00-0390		35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0391	EA	33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,066.91	68.06
		For Tempered Low-E Insulated Glass, Add	*186.16*	
08 52 16 00-0392	EA	40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,208.26	73.40
		For Tempered Low-E Insulated Glass, Add	*212.56*	
08 52 16 00-0393	EA	48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,355.65	78.74
		For Tempered Low-E Insulated Glass, Add	*239.90*	
08 52 16 00-0394	EA	56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,526.61	83.41
		For Tempered Low-E Insulated Glass, Add	*271.96*	
08 52 16 00-0395	EA	62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,640.99	87.41
		For Tempered Low-E Insulated Glass, Add	*293.23*	
08 52 16 00-0396	EA	71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,831.85	93.42
		For Tempered Low-E Insulated Glass, Add	*329.00*	
08 52 16 00-0397		40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0398	EA	33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,165.52	71.40
		For Tempered Low-E Insulated Glass, Add	*204.54*	
08 52 16 00-0399	EA	40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,306.86	76.07
		For Tempered Low-E Insulated Glass, Add	*230.94*	
08 52 16 00-0400	EA	48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,454.25	81.41
		For Tempered Low-E Insulated Glass, Add	*258.29*	
08 52 16 00-0401	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,625.22	86.75
		For Tempered Low-E Insulated Glass, Add	*290.34*	
08 52 16 00-0402	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,752.10	90.75
		For Tempered Low-E Insulated Glass, Add	*314.12*	
08 52 16 00-0403	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,291.09	96.76
		For Tempered Low-E Insulated Glass, Add	*419.52*	
08 52 16 00-0404		48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0405	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,310.54	76.74
		For Tempered Low-E Insulated Glass, Add	*231.41*	
08 52 16 00-0406	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,454.25	81.41
		For Tempered Low-E Insulated Glass, Add	*258.29*	
08 52 16 00-0407	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,601.65	86.75
		For Tempered Low-E Insulated Glass, Add	*285.63*	
08 52 16 00-0408	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,772.60	92.09
		For Tempered Low-E Insulated Glass, Add	*317.69*	
08 52 16 00-0409	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,894.06	96.09
		For Tempered Low-E Insulated Glass, Add	*340.38*	
08 52 16 00-0410	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,077.84	102.10
		For Tempered Low-E Insulated Glass, Add	*374.73*	
08 52 16 00-0411		52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0412	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,407.81	79.41
		For Tempered Low-E Insulated Glass, Add	*249.80*	
08 52 16 00-0413	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,549.16	84.07
		For Tempered Low-E Insulated Glass, Add	*276.20*	
08 52 16 00-0414	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,682.55	89.42
		For Tempered Low-E Insulated Glass, Add	*300.74*	
08 52 16 00-0415	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,867.52	94.76
		For Tempered Low-E Insulated Glass, Add	*335.60*	
08 52 16 00-0416	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,994.88	98.76
		For Tempered Low-E Insulated Glass, Add	*359.47*	
08 52 16 00-0417	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,175.11	104.76
		For Tempered Low-E Insulated Glass, Add	*393.12*	
08 52 16 00-0418		59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0419	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,551.52	84.07
		For Tempered Low-E Insulated Glass, Add	*276.67*	
08 52 16 00-0420	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,692.86	89.42
		For Tempered Low-E Insulated Glass, Add	*303.07*	
08 52 16 00-0421	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,840.25	94.76
		For Tempered Low-E Insulated Glass, Add	*330.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0422	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,011.22	99.42
		For Tempered Low-E Insulated Glass, Add	*362.47*	
08 52 16 00-0423	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,138.58	103.43
		For Tempered Low-E Insulated Glass, Add	*386.34*	
08 52 16 00-0424	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,316.45	109.43
		For Tempered Low-E Insulated Glass, Add	*419.52*	
08 52 16 00-0425		64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0426	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,650.12	87.41
		For Tempered Low-E Insulated Glass, Add	*295.06*	
08 52 16 00-0427	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,791.46	92.09
		For Tempered Low-E Insulated Glass, Add	*321.46*	
08 52 16 00-0428	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,941.21	97.42
		For Tempered Low-E Insulated Glass, Add	*349.27*	
08 52 16 00-0429	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,112.17	102.76
		For Tempered Low-E Insulated Glass, Add	*381.33*	
08 52 16 00-0430		71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0381)*		
08 52 16 00-0431	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,793.82	92.09
		For Tempered Low-E Insulated Glass, Add	*321.93*	
08 52 16 00-0432	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,935.16	97.42
		For Tempered Low-E Insulated Glass, Add	*348.33*	
08 52 16 00-0433	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,082.56	102.76
		For Tempered Low-E Insulated Glass, Add	*375.67*	
08 52 16 00-0434	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,253.52	107.43
		For Tempered Low-E Insulated Glass, Add	*407.73*	
08 52 16 00-0435		One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0319)*		
08 52 16 00-0436		24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0437	EA	71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,594.58	86.08
		For Tempered Low-E Insulated Glass, Add	*284.48*	
08 52 16 00-0438	EA	84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,853.82	94.76
		For Tempered Low-E Insulated Glass, Add	*332.86*	
08 52 16 00-0439		28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0440	EA	71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,689.79	88.75
		For Tempered Low-E Insulated Glass, Add	*302.46*	
08 52 16 00-0441	EA	84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,935.04	97.42
		For Tempered Low-E Insulated Glass, Add	*348.04*	
08 52 16 00-0442		35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0443	EA	61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,625.70	86.75
		For Tempered Low-E Insulated Glass, Add	*290.44*	
08 52 16 00-0444	EA	71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,836.56	93.42
		For Tempered Low-E Insulated Glass, Add	*329.94*	
08 52 16 00-0445	EA	84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,096.70	102.76
		For Tempered Low-E Insulated Glass, Add	*378.50*	
08 52 16 00-0446		40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0447	EA	61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,719.49	90.75
		For Tempered Low-E Insulated Glass, Add	*307.86*	
08 52 16 00-0448	EA	71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	1,937.52	96.76
		For Tempered Low-E Insulated Glass, Add	*348.80*	
08 52 16 00-0449	EA	84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,195.30	105.43
		For Tempered Low-E Insulated Glass, Add	*396.89*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0450		48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0451	EA	71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,082.56	102.10
		For Tempered Low-E Insulated Glass, Add	*375.67*	
08 52 16 00-0452	EA	84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,340.34	110.77
		For Tempered Low-E Insulated Glass, Add	*423.76*	
08 52 16 00-0453		52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0454	EA	71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,179.82	104.76
		For Tempered Low-E Insulated Glass, Add	*394.06*	
08 52 16 00-0455	EA	84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,437.61	113.44
		For Tempered Low-E Insulated Glass, Add	*442.15*	
08 52 16 00-0456		59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0435)*		
08 52 16 00-0457	EA	71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,321.17	109.43
		For Tempered Low-E Insulated Glass, Add	*420.46*	
08 52 16 00-0458	EA	84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)	2,581.30	118.77
		For Tempered Low-E Insulated Glass, Add	*469.02*	
08 52 16 00-0459		Awning Wood Clad Windows *(08 52 16)* Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460		Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0459)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461		Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		
08 52 16 00-0462		17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0463	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	503.33	54.72
		For Tempered Clear Insulated Glass, Add	*78.78*	
08 52 16 00-0464	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	538.84	57.39
		For Tempered Clear Insulated Glass, Add	*84.81*	
08 52 16 00-0465	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	567.91	59.39
		For Tempered Clear Insulated Glass, Add	*89.83*	
08 52 16 00-0466	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	604.77	62.06
		For Tempered Clear Insulated Glass, Add	*96.13*	
08 52 16 00-0467	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	647.26	65.40
		For Tempered Clear Insulated Glass, Add	*103.30*	
08 52 16 00-0468	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	712.63	70.73
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0469	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	753.80	73.40
		For Tempered Clear Insulated Glass, Add	*121.40*	
08 52 16 00-0470	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	814.05	78.74
		For Tempered Clear Insulated Glass, Add	*131.58*	
08 52 16 00-0471	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	836.86	81.41
		For Tempered Clear Insulated Glass, Add	*134.81*	
08 52 16 00-0472	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series)	896.47	86.08
		For Tempered Clear Insulated Glass, Add	*144.86*	
08 52 16 00-0473		20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0474	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	530.90	57.39
		For Tempered Clear Insulated Glass, Add	*83.49*	
08 52 16 00-0475	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	569.24	60.06
		For Tempered Clear Insulated Glass, Add	*90.09*	
08 52 16 00-0476	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	594.31	61.39
		For Tempered Clear Insulated Glass, Add	*94.31*	
08 52 16 00-0477	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	635.17	64.06
		For Tempered Clear Insulated Glass, Add	*101.41*	
08 52 16 00-0478	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	677.68	68.06
		For Tempered Clear Insulated Glass, Add	*108.58*	
08 52 16 00-0479	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	741.15	72.74
		For Tempered Clear Insulated Glass, Add	*119.14*	
08 52 16 00-0480	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	782.31	76.07
		For Tempered Clear Insulated Glass, Add	*126.30*	
08 52 16 00-0481	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	844.46	80.07
		For Tempered Clear Insulated Glass, Add	*136.86*	
08 52 16 00-0482	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	865.07	84.07
		For Tempered Clear Insulated Glass, Add	*139.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0483	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	926.54	88.08
		For Tempered Clear Insulated Glass, Add	*150.08*	
08 52 16 00-0484	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,422.79	97.42
		For Tempered Clear Insulated Glass, Add	*245.86*	

08 52 16 00-0485 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0486	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	565.47	60.06
		For Tempered Clear Insulated Glass, Add	*89.34*	
08 52 16 00-0487	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	600.99	62.72
		For Tempered Clear Insulated Glass, Add	*95.37*	
08 52 16 00-0488	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	625.24	64.06
		For Tempered Clear Insulated Glass, Add	*99.42*	
08 52 16 00-0489	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	666.91	66.72
		For Tempered Clear Insulated Glass, Add	*106.69*	
08 52 16 00-0490	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	709.41	70.73
		For Tempered Clear Insulated Glass, Add	*113.86*	
08 52 16 00-0491	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	774.77	75.40
		For Tempered Clear Insulated Glass, Add	*124.79*	
08 52 16 00-0492	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	815.94	78.74
		For Tempered Clear Insulated Glass, Add	*131.96*	
08 52 16 00-0493	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	878.07	82.75
		For Tempered Clear Insulated Glass, Add	*142.52*	
08 52 16 00-0494	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	896.47	86.75
		For Tempered Clear Insulated Glass, Add	*144.86*	
08 52 16 00-0495	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	956.02	90.75
		For Tempered Clear Insulated Glass, Add	*154.90*	
08 52 16 00-0496	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,496.91	100.10
		For Tempered Clear Insulated Glass, Add	*259.61*	

08 52 16 00-0497 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0498	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	565.17	62.72
		For Tempered Clear Insulated Glass, Add	*88.21*	
08 52 16 00-0499	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	619.54	65.40
		For Tempered Clear Insulated Glass, Add	*98.02*	
08 52 16 00-0500	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	654.57	66.72
		For Tempered Clear Insulated Glass, Add	*104.22*	
08 52 16 00-0501	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	719.39	69.40
		For Tempered Clear Insulated Glass, Add	*116.12*	
08 52 16 00-0502	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	784.52	73.40
		For Tempered Clear Insulated Glass, Add	*127.81*	
08 52 16 00-0503	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	880.06	78.07
		For Tempered Clear Insulated Glass, Add	*144.78*	
08 52 16 00-0504	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	941.96	81.41
		For Tempered Clear Insulated Glass, Add	*156.10*	
08 52 16 00-0505	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,036.16	85.41
		For Tempered Clear Insulated Glass, Add	*173.07*	
08 52 16 00-0506	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,071.24	89.42
		For Tempered Clear Insulated Glass, Add	*178.75*	
08 52 16 00-0507	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,162.50	93.42
		For Tempered Clear Insulated Glass, Add	*195.13*	
08 52 16 00-0508	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,537.57	102.76
		For Tempered Clear Insulated Glass, Add	*266.68*	

08 52 16 00-0509 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*

08 52 16 00-0510	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	654.57	66.72
		For Tempered Clear Insulated Glass, Add	*104.22*	
08 52 16 00-0511	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	692.15	68.73
		For Tempered Clear Insulated Glass, Add	*110.94*	
08 52 16 00-0512	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	743.87	71.40
		For Tempered Clear Insulated Glass, Add	*120.21*	
08 52 16 00-0513	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	801.72	74.74
		For Tempered Clear Insulated Glass, Add	*130.45*	
08 52 16 00-0514	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	885.97	80.07
		For Tempered Clear Insulated Glass, Add	*145.16*	
08 52 16 00-0515	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	944.07	82.75
		For Tempered Clear Insulated Glass, Add	*155.72*	
08 52 16 00-0516	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,026.99	88.08
		For Tempered Clear Insulated Glass, Add	*170.43*	
08 52 16 00-0517	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,084.85	90.75
		For Tempered Clear Insulated Glass, Add	*180.67*	
08 52 16 00-0518	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,169.34	95.42
		For Tempered Clear Insulated Glass, Add	*195.70*	
08 52 16 00-0519	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,638.81	104.10
		For Tempered Clear Insulated Glass, Add	*286.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0520		35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0521	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	743.87	71.40
		For Tempered Clear Insulated Glass, Add	*120.21*	
08 52 16 00-0522	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	817.35	74.07
		For Tempered Clear Insulated Glass, Add	*133.84*	
08 52 16 00-0523	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	882.49	77.41
		For Tempered Clear Insulated Glass, Add	*145.54*	
08 52 16 00-0524	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	978.01	82.75
		For Tempered Clear Insulated Glass, Add	*162.51*	
08 52 16 00-0525	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,041.81	85.41
		For Tempered Clear Insulated Glass, Add	*174.20*	
08 52 16 00-0526	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,134.13	90.75
		For Tempered Clear Insulated Glass, Add	*190.79*	
08 52 16 00-0527	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	993.07	93.42
		For Tempered Clear Insulated Glass, Add	*161.25*	
08 52 16 00-0528	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,065.72	98.10
		For Tempered Clear Insulated Glass, Add	*173.91*	
08 52 16 00-0529		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0530	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	871.17	77.41
		For Tempered Clear Insulated Glass, Add	*143.27*	
08 52 16 00-0531	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series)	979.67	81.41
		For Tempered Clear Insulated Glass, Add	*163.64*	
08 52 16 00-0532		48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0533	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,034.59	82.75
		For Tempered Clear Insulated Glass, Add	*173.82*	
08 52 16 00-0534	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,144.98	86.75
		For Tempered Clear Insulated Glass, Add	*194.56*	
08 52 16 00-0535	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,306.51	91.42
		For Tempered Clear Insulated Glass, Add	*224.74*	
08 52 16 00-0536		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,278.93	90.08
		For Tempered Clear Insulated Glass, Add	*219.75*	
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,375.66	93.42
		For Tempered Clear Insulated Glass, Add	*237.76*	
08 52 16 00-0539		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0461)*		
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,397.35	90.75
		For Tempered Clear Insulated Glass, Add	*243.17*	
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,446.40	98.10
		For Tempered Clear Insulated Glass, Add	*250.04*	
08 52 16 00-0542	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,599.59	101.42
		For Tempered Clear Insulated Glass, Add	*279.35*	
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	1,756.42	106.77
		For Tempered Clear Insulated Glass, Add	*308.58*	
08 52 16 00-0544		Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0460)*		
08 52 16 00-0545		17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*		
08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	444.88	54.72
		For Tempered Clear Insulated Glass, Add	*67.09*	
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	478.50	57.39
		For Tempered Clear Insulated Glass, Add	*72.75*	
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	500.74	59.39
		For Tempered Clear Insulated Glass, Add	*76.39*	
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	536.88	62.06
		For Tempered Clear Insulated Glass, Add	*82.55*	
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	575.60	65.40
		For Tempered Clear Insulated Glass, Add	*88.96*	
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	635.32	70.73
		For Tempered Clear Insulated Glass, Add	*98.77*	
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	670.83	73.40
		For Tempered Clear Insulated Glass, Add	*104.80*	
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	727.31	78.74
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	766.04	81.41
		For Tempered Clear Insulated Glass, Add	*120.64*	
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series)	822.52	86.08
		For Tempered Clear Insulated Glass, Add	*130.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 52 16 00-0556 20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	471.51	57.39
		For Tempered Clear Insulated Glass, Add	*71.61*	
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	505.13	60.06
		For Tempered Clear Insulated Glass, Add	*77.27*	
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	525.54	61.39
		For Tempered Clear Insulated Glass, Add	*80.55*	
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	565.39	64.06
		For Tempered Clear Insulated Glass, Add	*87.45*	
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	604.13	68.06
		For Tempered Clear Insulated Glass, Add	*93.87*	
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	661.95	72.74
		For Tempered Clear Insulated Glass, Add	*103.30*	
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	699.34	76.07
		For Tempered Clear Insulated Glass, Add	*109.71*	
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	753.94	80.07
		For Tempered Clear Insulated Glass, Add	*118.76*	
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	794.55	84.07
		For Tempered Clear Insulated Glass, Add	*125.55*	
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	849.15	88.08
		For Tempered Clear Insulated Glass, Add	*134.60*	

08 52 16 00-0567 24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	501.36	60.06
		For Tempered Clear Insulated Glass, Add	*76.52*	
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	534.99	62.72
		For Tempered Clear Insulated Glass, Add	*82.17*	
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	553.27	64.06
		For Tempered Clear Insulated Glass, Add	*85.03*	
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	593.36	66.72
		For Tempered Clear Insulated Glass, Add	*91.98*	
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	632.09	70.73
		For Tempered Clear Insulated Glass, Add	*98.39*	
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	689.91	75.40
		For Tempered Clear Insulated Glass, Add	*107.82*	
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	727.31	78.74
		For Tempered Clear Insulated Glass, Add	*114.23*	
08 52 16 00-0575	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	783.78	82.75
		For Tempered Clear Insulated Glass, Add	*123.66*	
08 52 16 00-0576	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	822.52	86.75
		For Tempered Clear Insulated Glass, Add	*130.07*	
08 52 16 00-0577	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	879.02	90.75
		For Tempered Clear Insulated Glass, Add	*139.50*	

08 52 16 00-0578 28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0579	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	504.82	62.72
		For Tempered Clear Insulated Glass, Add	*76.14*	
08 52 16 00-0580	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	549.76	65.40
		For Tempered Clear Insulated Glass, Add	*84.06*	
08 52 16 00-0581	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	574.60	66.72
		For Tempered Clear Insulated Glass, Add	*88.23*	
08 52 16 00-0582	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	598.70	69.40
		For Tempered Clear Insulated Glass, Add	*91.98*	
08 52 16 00-0583	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	682.69	73.40
		For Tempered Clear Insulated Glass, Add	*107.44*	
08 52 16 00-0584	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	759.37	78.07
		For Tempered Clear Insulated Glass, Add	*120.64*	
08 52 16 00-0585	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	809.96	81.41
		For Tempered Clear Insulated Glass, Add	*129.70*	
08 52 16 00-0586	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	885.30	85.41
		For Tempered Clear Insulated Glass, Add	*142.90*	
08 52 16 00-0587	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	939.12	89.42
		For Tempered Clear Insulated Glass, Add	*152.32*	
08 52 16 00-0588	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,014.46	93.42
		For Tempered Clear Insulated Glass, Add	*165.52*	

08 52 16 00-0589 31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0590	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	574.60	66.72
		For Tempered Clear Insulated Glass, Add	*88.23*	
08 52 16 00-0591	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	605.79	68.73
		For Tempered Clear Insulated Glass, Add	*93.67*	
08 52 16 00-0592	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	647.91	71.40
		For Tempered Clear Insulated Glass, Add	*101.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0593	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	696.16	74.74
		For Tempered Clear Insulated Glass, Add	*109.34*	
08 52 16 00-0594	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	766.02	80.07
		For Tempered Clear Insulated Glass, Add	*121.17*	
08 52 16 00-0595	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	812.93	82.75
		For Tempered Clear Insulated Glass, Add	*129.49*	
08 52 16 00-0596	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	881.45	88.08
		For Tempered Clear Insulated Glass, Add	*141.32*	
08 52 16 00-0597	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	928.12	90.75
		For Tempered Clear Insulated Glass, Add	*149.32*	
08 52 16 00-0598	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	996.62	95.42
		For Tempered Clear Insulated Glass, Add	*161.16*	

08 52 16 00-0599 35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0544)*

08 52 16 00-0600	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	647.91	71.40
		For Tempered Clear Insulated Glass, Add	*101.02*	
08 52 16 00-0601	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	709.86	74.07
		For Tempered Clear Insulated Glass, Add	*112.35*	
08 52 16 00-0602	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	761.80	77.41
		For Tempered Clear Insulated Glass, Add	*121.40*	
08 52 16 00-0603	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	840.36	82.75
		For Tempered Clear Insulated Glass, Add	*134.98*	
08 52 16 00-0604	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	890.95	85.41
		For Tempered Clear Insulated Glass, Add	*144.03*	
08 52 16 00-0605	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	966.30	90.75
		For Tempered Clear Insulated Glass, Add	*157.23*	
08 52 16 00-0606	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,018.23	93.42
		For Tempered Clear Insulated Glass, Add	*166.28*	
08 52 16 00-0607	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series)	1,093.57	98.10
		For Tempered Clear Insulated Glass, Add	*179.48*	

08 52 16 00-0608 Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0459)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

08 52 16 00-0609 Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*

08 52 16 00-0610 17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0611	EA	24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	596.68	54.72
		For Tempered Low-E Insulated Glass, Add	*97.45*	
08 52 16 00-0612	EA	28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	639.73	57.39
		For Tempered Low-E Insulated Glass, Add	*104.99*	
08 52 16 00-0613	EA	31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	675.06	59.39
		For Tempered Low-E Insulated Glass, Add	*111.26*	
08 52 16 00-0614	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	719.80	62.06
		For Tempered Low-E Insulated Glass, Add	*119.14*	
08 52 16 00-0615	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	771.24	65.40
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 16 00-0616	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	850.29	70.73
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0617	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	900.42	73.40
		For Tempered Low-E Insulated Glass, Add	*150.72*	
08 52 16 00-0618	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	973.40	78.74
		For Tempered Low-E Insulated Glass, Add	*163.45*	
08 52 16 00-0619	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,000.24	81.41
		For Tempered Low-E Insulated Glass, Add	*167.48*	
08 52 16 00-0620	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,072.42	86.08
		For Tempered Low-E Insulated Glass, Add	*180.05*	

08 52 16 00-0621 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0622	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	630.14	57.39
		For Tempered Low-E Insulated Glass, Add	*103.34*	
08 52 16 00-0623	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	676.73	60.06
		For Tempered Low-E Insulated Glass, Add	*111.59*	
08 52 16 00-0624	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	707.06	61.39
		For Tempered Low-E Insulated Glass, Add	*116.86*	
08 52 16 00-0625	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	756.80	64.06
		For Tempered Low-E Insulated Glass, Add	*125.74*	
08 52 16 00-0626	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	808.26	68.06
		For Tempered Low-E Insulated Glass, Add	*134.69*	
08 52 16 00-0627	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	884.93	72.74
		For Tempered Low-E Insulated Glass, Add	*147.89*	
08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	935.06	76.07
		For Tempered Low-E Insulated Glass, Add	*156.85*	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,010.40	80.07
		For Tempered Low-E Insulated Glass, Add	*170.05*	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,034.49	84.07
		For Tempered Low-E Insulated Glass, Add	*173.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,109.00	88.08
		For Tempered Low-E Insulated Glass, Add	*186.57*	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,724.98	97.42
		For Tempered Low-E Insulated Glass, Add	*306.29*	

08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	672.02	60.06
		For Tempered Low-E Insulated Glass, Add	*110.65*	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	715.08	62.72
		For Tempered Low-E Insulated Glass, Add	*118.19*	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	744.38	64.06
		For Tempered Low-E Insulated Glass, Add	*123.25*	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	795.14	66.72
		For Tempered Low-E Insulated Glass, Add	*132.34*	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	846.59	70.73
		For Tempered Low-E Insulated Glass, Add	*141.29*	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	925.63	75.40
		For Tempered Low-E Insulated Glass, Add	*154.96*	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	975.76	78.74
		For Tempered Low-E Insulated Glass, Add	*163.92*	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,051.09	82.75
		For Tempered Low-E Insulated Glass, Add	*177.12*	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,072.42	86.75
		For Tempered Low-E Insulated Glass, Add	*180.05*	
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,144.52	90.75
		For Tempered Low-E Insulated Glass, Add	*192.60*	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,816.29	100.10
		For Tempered Low-E Insulated Glass, Add	*323.49*	

08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0646	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	670.30	62.72
		For Tempered Low-E Insulated Glass, Add	*109.24*	
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	736.92	65.40
		For Tempered Low-E Insulated Glass, Add	*121.49*	
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	779.71	66.72
		For Tempered Low-E Insulated Glass, Add	*129.25*	
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	859.41	69.40
		For Tempered Low-E Insulated Glass, Add	*144.12*	
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	939.15	73.40
		For Tempered Low-E Insulated Glass, Add	*158.74*	
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,055.90	78.07
		For Tempered Low-E Insulated Glass, Add	*179.95*	
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,131.94	81.41
		For Tempered Low-E Insulated Glass, Add	*194.09*	
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,247.36	85.41
		For Tempered Low-E Insulated Glass, Add	*215.31*	
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,289.54	89.42
		For Tempered Low-E Insulated Glass, Add	*222.41*	
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,606.57	93.42
		For Tempered Low-E Insulated Glass, Add	*283.95*	
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,865.78	102.76
		For Tempered Low-E Insulated Glass, Add	*332.32*	

08 52 16 00-0657 31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*

08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	779.71	66.72
		For Tempered Low-E Insulated Glass, Add	*129.25*	
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	825.69	68.73
		For Tempered Low-E Insulated Glass, Add	*137.65*	
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	889.01	71.40
		For Tempered Low-E Insulated Glass, Add	*149.24*	
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	959.65	74.74
		For Tempered Low-E Insulated Glass, Add	*162.04*	
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,062.29	80.07
		For Tempered Low-E Insulated Glass, Add	*180.43*	
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,133.59	82.75
		For Tempered Low-E Insulated Glass, Add	*193.62*	
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,234.90	88.08
		For Tempered Low-E Insulated Glass, Add	*212.01*	
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,305.55	90.75
		For Tempered Low-E Insulated Glass, Add	*224.81*	
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,408.84	95.42
		For Tempered Low-E Insulated Glass, Add	*243.60*	
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,991.34	104.10
		For Tempered Low-E Insulated Glass, Add	*356.63*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0668		35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0669	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	889.01	71.40
		For Tempered Low-E Insulated Glass, Add	*149.24*	
08 52 16 00-0670	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	979.52	74.07
		For Tempered Low-E Insulated Glass, Add	*166.28*	
08 52 16 00-0671	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,059.27	77.41
		For Tempered Low-E Insulated Glass, Add	*180.89*	
08 52 16 00-0672	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,176.02	82.75
		For Tempered Low-E Insulated Glass, Add	*202.11*	
08 52 16 00-0673	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,254.43	85.41
		For Tempered Low-E Insulated Glass, Add	*216.72*	
08 52 16 00-0674	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,367.49	90.75
		For Tempered Low-E Insulated Glass, Add	*237.46*	
08 52 16 00-0675	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,189.50	93.42
		For Tempered Low-E Insulated Glass, Add	*200.53*	
08 52 16 00-0676	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,277.97	98.10
		For Tempered Low-E Insulated Glass, Add	*216.36*	
08 52 16 00-0677		40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0678	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,038.45	77.41
		For Tempered Low-E Insulated Glass, Add	*178.06*	
08 52 16 00-0679	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,183.09	82.75
		For Tempered Low-E Insulated Glass, Add	*203.52*	
08 52 16 00-0680		48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0681	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,246.73	82.75
		For Tempered Low-E Insulated Glass, Add	*216.25*	
08 52 16 00-0682	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,383.06	86.75
		For Tempered Low-E Insulated Glass, Add	*242.18*	
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,582.30	91.42
		For Tempered Low-E Insulated Glass, Add	*279.89*	
08 52 16 00-0684		59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0685	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,548.49	90.08
		For Tempered Low-E Insulated Glass, Add	*273.66*	
08 52 16 00-0686	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,667.73	93.42
		For Tempered Low-E Insulated Glass, Add	*296.18*	
08 52 16 00-0687		71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0609)*		
08 52 16 00-0688	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,696.18	90.75
		For Tempered Low-E Insulated Glass, Add	*302.93*	
08 52 16 00-0689	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,753.82	98.10
		For Tempered Low-E Insulated Glass, Add	*311.53*	
08 52 16 00-0690	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,943.64	101.42
		For Tempered Low-E Insulated Glass, Add	*348.16*	
08 52 16 00-0691	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	2,137.00	106.77
		For Tempered Low-E Insulated Glass, Add	*384.69*	
08 52 16 00-0692		Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0608)*		
08 52 16 00-0693		17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0694	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	523.60	54.72
		For Tempered Low-E Insulated Glass, Add	*82.83*	
08 52 16 00-0695	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	564.30	57.39
		For Tempered Low-E Insulated Glass, Add	*89.91*	
08 52 16 00-0696	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	591.10	59.39
		For Tempered Low-E Insulated Glass, Add	*94.47*	
08 52 16 00-0697	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	634.94	62.06
		For Tempered Low-E Insulated Glass, Add	*102.16*	
08 52 16 00-0698	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	681.67	65.40
		For Tempered Low-E Insulated Glass, Add	*110.18*	
08 52 16 00-0699	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	753.65	70.73
		For Tempered Low-E Insulated Glass, Add	*122.44*	
08 52 16 00-0700	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	796.70	73.40
		For Tempered Low-E Insulated Glass, Add	*129.98*	
08 52 16 00-0701	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	864.97	78.74
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0702	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	911.71	81.41
		For Tempered Low-E Insulated Glass, Add	*149.78*	
08 52 16 00-0703	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series)	979.98	86.08
		For Tempered Low-E Insulated Glass, Add	*161.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0704		**20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0705	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	555.90	57.39
		For Tempered Low-E Insulated Glass, Add	*88.49*	
08 52 16 00-0706	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	596.59	60.06
		For Tempered Low-E Insulated Glass, Add	*95.56*	
08 52 16 00-0707	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	621.10	61.39
		For Tempered Low-E Insulated Glass, Add	*99.66*	
08 52 16 00-0708	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	669.58	64.06
		For Tempered Low-E Insulated Glass, Add	*108.29*	
08 52 16 00-0709	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	716.33	68.06
		For Tempered Low-E Insulated Glass, Add	*116.31*	
08 52 16 00-0710	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	785.93	72.74
		For Tempered Low-E Insulated Glass, Add	*128.09*	
08 52 16 00-0711	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	831.34	76.07
		For Tempered Low-E Insulated Glass, Add	*136.11*	
08 52 16 00-0712	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	897.26	80.07
		For Tempered Low-E Insulated Glass, Add	*147.42*	
08 52 16 00-0713	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	946.35	84.07
		For Tempered Low-E Insulated Glass, Add	*155.91*	
08 52 16 00-0714	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,012.27	88.08
		For Tempered Low-E Insulated Glass, Add	*167.22*	
08 52 16 00-0715		**24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0716	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	591.87	60.06
		For Tempered Low-E Insulated Glass, Add	*94.62*	
08 52 16 00-0717	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	632.58	62.72
		For Tempered Low-E Insulated Glass, Add	*101.69*	
08 52 16 00-0718	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	654.42	64.06
		For Tempered Low-E Insulated Glass, Add	*105.26*	
08 52 16 00-0719	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	703.21	66.72
		For Tempered Low-E Insulated Glass, Add	*113.95*	
08 52 16 00-0720	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	749.95	70.73
		For Tempered Low-E Insulated Glass, Add	*121.96*	
08 52 16 00-0721	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	819.56	75.40
		For Tempered Low-E Insulated Glass, Add	*133.75*	
08 52 16 00-0722	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	864.97	78.74
		For Tempered Low-E Insulated Glass, Add	*141.76*	
08 52 16 00-0723	EA	59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	933.23	82.75
		For Tempered Low-E Insulated Glass, Add	*153.55*	
08 52 16 00-0724	EA	64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	979.98	86.75
		For Tempered Low-E Insulated Glass, Add	*161.56*	
08 52 16 00-0725	EA	71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,048.26	90.75
		For Tempered Low-E Insulated Glass, Add	*173.35*	
08 52 16 00-0726		**28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0727	EA	24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	594.87	62.72
		For Tempered Low-E Insulated Glass, Add	*94.15*	
08 52 16 00-0728	EA	28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	649.71	65.40
		For Tempered Low-E Insulated Glass, Add	*104.05*	
08 52 16 00-0729	EA	31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	679.75	66.72
		For Tempered Low-E Insulated Glass, Add	*109.26*	
08 52 16 00-0730	EA	35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	708.55	69.40
		For Tempered Low-E Insulated Glass, Add	*113.95*	
08 52 16 00-0731	EA	40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	811.86	73.40
		For Tempered Low-E Insulated Glass, Add	*133.28*	
08 52 16 00-0732	EA	48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	905.04	78.07
		For Tempered Low-E Insulated Glass, Add	*149.78*	
08 52 16 00-0733	EA	52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	966.94	81.41
		For Tempered Low-E Insulated Glass, Add	*161.09*	
08 52 16 00-0734	EA	59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,058.78	85.41
		For Tempered Low-E Insulated Glass, Add	*177.59*	
08 52 16 00-0735	EA	64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,124.39	89.42
		For Tempered Low-E Insulated Glass, Add	*189.38*	
08 52 16 00-0736	EA	71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,216.23	93.42
		For Tempered Low-E Insulated Glass, Add	*205.88*	
08 52 16 00-0737		**31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0692)*		
08 52 16 00-0738	EA	28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series)	679.75	66.72
		For Tempered Low-E Insulated Glass, Add	*109.26*	
08 52 16 00-0739	EA	31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	717.74	68.73
		For Tempered Low-E Insulated Glass, Add	*116.06*	
08 52 16 00-0740	EA	35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	769.06	71.40
		For Tempered Low-E Insulated Glass, Add	*125.25*	

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08 52 16 00-0741	EA	40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	827.71	74.74
		For Tempered Low-E Insulated Glass, Add	*135.65*	
08 52 16 00-0742	EA	48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	912.35	80.07
		For Tempered Low-E Insulated Glass, Add	*150.44*	
08 52 16 00-0743	EA	52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	969.66	82.75
		For Tempered Low-E Insulated Glass, Add	*160.84*	
08 52 16 00-0744	EA	59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,052.98	88.08
		For Tempered Low-E Insulated Glass, Add	*175.63*	
08 52 16 00-0745	EA	64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,109.64	90.75
		For Tempered Low-E Insulated Glass, Add	*185.63*	
08 52 16 00-0746	EA	71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,192.93	95.42
		For Tempered Low-E Insulated Glass, Add	*200.42*	
08 52 16 00-0747		35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0692)*		
08 52 16 00-0748	EA	31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	769.06	71.40
		For Tempered Low-E Insulated Glass, Add	*125.25*	
08 52 16 00-0749	EA	35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	845.16	74.07
		For Tempered Low-E Insulated Glass, Add	*139.41*	
08 52 16 00-0750	EA	40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	908.42	77.41
		For Tempered Low-E Insulated Glass, Add	*150.72*	
08 52 16 00-0751	EA	48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,003.94	82.75
		For Tempered Low-E Insulated Glass, Add	*167.69*	
08 52 16 00-0752	EA	52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,065.86	85.41
		For Tempered Low-E Insulated Glass, Add	*179.01*	
08 52 16 00-0753	EA	59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,157.71	90.75
		For Tempered Low-E Insulated Glass, Add	*195.51*	
08 52 16 00-0754	EA	64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,220.95	93.42
		For Tempered Low-E Insulated Glass, Add	*206.82*	
08 52 16 00-0755	EA	71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series)	1,312.79	98.10
		For Tempered Low-E Insulated Glass, Add	*223.32*	
08 52 16 00-0756		Horizontal Sliding Wood Clad Windows *(08 52 16)*		
		Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
08 52 16 00-0757		One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0758		17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0759	EA	47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	624.21	70.73
		For Tempered Clear Insulated Glass, Add	*96.82*	
08 52 16 00-0760		23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0761	EA	35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	574.31	65.40
		For Tempered Clear Insulated Glass, Add	*88.44*	
08 52 16 00-0762	EA	47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	671.78	74.74
		For Tempered Clear Insulated Glass, Add	*104.73*	
08 52 16 00-0763		35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0764	EA	35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	671.78	74.74
		For Tempered Clear Insulated Glass, Add	*104.73*	
08 52 16 00-0765	EA	47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	769.26	82.75
		For Tempered Clear Insulated Glass, Add	*121.02*	
08 52 16 00-0766	EA	59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	866.73	90.08
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0767	EA	71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	964.20	98.10
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0768		41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) *(08 52 16 00-0757)*		
08 52 16 00-0769	EA	35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	721.69	78.74
		For Tempered Clear Insulated Glass, Add	*113.11*	
08 52 16 00-0770	EA	47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	816.83	86.75
		For Tempered Clear Insulated Glass, Add	*128.93*	
08 52 16 00-0771	EA	59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	914.30	94.09
		For Tempered Clear Insulated Glass, Add	*145.23*	
08 52 16 00-0772	EA	71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,093.23	102.10
		For Tempered Clear Insulated Glass, Add	*177.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0773		**47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0757)*		
08 52 16 00-0774	EA	35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	769.26	82.75
		For Tempered Clear Insulated Glass, Add	*121.02*	
08 52 16 00-0775	EA	47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	866.73	90.75
		For Tempered Clear Insulated Glass, Add	*137.31*	
08 52 16 00-0776	EA	59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	964.20	98.10
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0777	EA	71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,061.66	106.10
		For Tempered Clear Insulated Glass, Add	*169.89*	
08 52 16 00-0778		**53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0757)*		
08 52 16 00-0779	EA	47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	914.30	94.76
		For Tempered Clear Insulated Glass, Add	*145.23*	
08 52 16 00-0780	EA	59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,011.77	102.10
		For Tempered Clear Insulated Glass, Add	*161.52*	
08 52 16 00-0781	EA	71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,109.25	110.10
		For Tempered Clear Insulated Glass, Add	*177.81*	
08 52 16 00-0782		**59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)** *(08 52 16 00-0757)*		
08 52 16 00-0783	EA	47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	964.20	98.76
		For Tempered Clear Insulated Glass, Add	*153.60*	
08 52 16 00-0784	EA	59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,061.66	106.10
		For Tempered Clear Insulated Glass, Add	*169.89*	
08 52 16 00-0785	EA	71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)	1,159.32	114.11
		For Tempered Clear Insulated Glass, Add	*186.22*	
08 52 16 00-0786		**Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0756)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0787		**22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0788	EA	35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,390.96	65.40
		For Tempered Low-E Insulated Glass, Add	*251.77*	
08 52 16 00-0789	EA	47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,656.00	74.74
		For Tempered Low-E Insulated Glass, Add	*301.57*	
08 52 16 00-0790		**35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0791	EA	35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,676.94	74.74
		For Tempered Low-E Insulated Glass, Add	*305.76*	
08 52 16 00-0792	EA	47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,944.32	82.75
		For Tempered Low-E Insulated Glass, Add	*356.03*	
08 52 16 00-0793	EA	59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,209.36	90.08
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0794	EA	71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,474.39	98.10
		For Tempered Low-E Insulated Glass, Add	*455.64*	
08 52 16 00-0795		**41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0796	EA	35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,810.64	78.74
		For Tempered Low-E Insulated Glass, Add	*330.90*	
08 52 16 00-0797	EA	47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,075.67	86.75
		For Tempered Low-E Insulated Glass, Add	*380.70*	
08 52 16 00-0798	EA	59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,343.03	94.09
		For Tempered Low-E Insulated Glass, Add	*430.97*	
08 52 16 00-0799	EA	71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,608.08	102.10
		For Tempered Low-E Insulated Glass, Add	*480.78*	
08 52 16 00-0800		**47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series)** *(08 52 16 00-0786)*		
08 52 16 00-0801	EA	35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	1,944.32	82.75
		For Tempered Low-E Insulated Glass, Add	*356.03*	
08 52 16 00-0802	EA	47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,209.36	90.75
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0803	EA	59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,474.39	98.10
		For Tempered Low-E Insulated Glass, Add	*455.64*	
08 52 16 00-0804	EA	71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,741.75	106.10
		For Tempered Low-E Insulated Glass, Add	*505.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0805		59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-0786)*		
08 52 16 00-0806	EA	35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,209.36	90.75
		For Tempered Low-E Insulated Glass, Add	*405.84*	
08 52 16 00-0807	EA	47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,474.39	98.76
		For Tempered Low-E Insulated Glass, Add	*455.64*	
08 52 16 00-0808	EA	59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	2,741.75	106.10
		For Tempered Low-E Insulated Glass, Add	*505.91*	
08 52 16 00-0809	EA	71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)	3,006.80	114.11
		For Tempered Low-E Insulated Glass, Add	*555.72*	
08 52 16 00-0810		Picture Wood Clad Windows *(08 52 16)* Note: Picture windows are fixed windows.		
08 52 16 00-0811		Picture Wood Clad Windows For Awning And Casement Windows *(08 52 16 00-0810)*		
08 52 16 00-0812		Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0811)* Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0813		12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0814	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	490.81	53.39
		For Tempered Clear Insulated Glass, Add	*76.81*	
08 52 16 00-0815	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	574.23	58.72
		For Tempered Clear Insulated Glass, Add	*91.36*	
08 52 16 00-0816	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	610.01	61.39
		For Tempered Clear Insulated Glass, Add	*97.45*	
08 52 16 00-0817	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	661.65	66.72
		For Tempered Clear Insulated Glass, Add	*105.91*	
08 52 16 00-0818	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	697.09	69.40
		For Tempered Clear Insulated Glass, Add	*111.66*	
08 52 16 00-0819	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	748.71	74.74
		For Tempered Clear Insulated Glass, Add	*120.12*	
08 52 16 00-0820		35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0821	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	545.10	65.40
		For Tempered Clear Insulated Glass, Add	*82.86*	
08 52 16 00-0822	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	630.06	69.40
		For Tempered Clear Insulated Glass, Add	*98.52*	
08 52 16 00-0823	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	755.29	74.07
		For Tempered Clear Insulated Glass, Add	*121.43*	
08 52 16 00-0824	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	837.00	76.74
		For Tempered Clear Insulated Glass, Add	*136.71*	
08 52 16 00-0825	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	959.00	81.41
		For Tempered Clear Insulated Glass, Add	*159.24*	
08 52 16 00-0826	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,043.95	84.75
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0827	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,547.80	89.42
		For Tempered Clear Insulated Glass, Add	*273.79*	
08 52 16 00-0828		40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0829	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	630.06	69.40
		For Tempered Clear Insulated Glass, Add	*98.52*	
08 52 16 00-0830	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	715.01	72.07
		For Tempered Clear Insulated Glass, Add	*114.18*	
08 52 16 00-0831	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	840.25	77.41
		For Tempered Clear Insulated Glass, Add	*137.09*	
08 52 16 00-0832	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	921.96	80.07
		For Tempered Clear Insulated Glass, Add	*152.36*	
08 52 16 00-0833	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,043.95	85.41
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0834	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,128.90	88.08
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,250.90	93.42
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0836		48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*		
08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	755.29	74.74
		For Tempered Clear Insulated Glass, Add	*121.43*	
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	840.25	77.41
		For Tempered Clear Insulated Glass, Add	*137.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	965.48	82.75
		For Tempered Clear Insulated Glass, Add	*160.00*	
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,047.19	85.41
		For Tempered Clear Insulated Glass, Add	*175.27*	
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,169.19	90.75
		For Tempered Clear Insulated Glass, Add	*197.80*	
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,254.14	93.42
		For Tempered Clear Insulated Glass, Add	*213.46*	
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,376.13	98.76
		For Tempered Clear Insulated Glass, Add	*235.99*	

08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	837.00	77.41
		For Tempered Clear Insulated Glass, Add	*136.71*	
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	921.96	80.07
		For Tempered Clear Insulated Glass, Add	*152.36*	
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,047.19	85.41
		For Tempered Clear Insulated Glass, Add	*175.27*	
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,128.90	88.08
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,250.90	93.42
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,335.85	96.09
		For Tempered Clear Insulated Glass, Add	*228.73*	
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,570.49	101.42
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	959.00	81.41
		For Tempered Clear Insulated Glass, Add	*159.24*	
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,043.95	85.41
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,169.19	90.08
		For Tempered Clear Insulated Glass, Add	*197.80*	
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,250.90	92.75
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,372.89	97.42
		For Tempered Clear Insulated Glass, Add	*235.61*	
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,457.84	100.76
		For Tempered Clear Insulated Glass, Add	*251.26*	
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,579.83	105.43
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,043.95	85.41
		For Tempered Clear Insulated Glass, Add	*174.89*	
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,128.90	88.08
		For Tempered Clear Insulated Glass, Add	*190.55*	
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,254.14	93.42
		For Tempered Clear Insulated Glass, Add	*213.46*	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,335.85	96.09
		For Tempered Clear Insulated Glass, Add	*228.73*	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,570.49	101.42
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) *(08 52 16 00-0812)*

08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,165.94	89.42
		For Tempered Clear Insulated Glass, Add	*197.42*	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,250.90	93.42
		For Tempered Clear Insulated Glass, Add	*213.08*	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,376.13	98.10
		For Tempered Clear Insulated Glass, Add	*235.99*	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,457.84	100.76
		For Tempered Clear Insulated Glass, Add	*251.26*	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)	1,579.83	105.43
		For Tempered Clear Insulated Glass, Add	*273.79*	

08 52 16 00-0872 Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0811)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0873		**12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0874	EA	40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	580.89	53.39
		For Tempered Low-E Insulated Glass, Add	*94.82*	
08 52 16 00-0875	EA	48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	681.38	58.72
		For Tempered Low-E Insulated Glass, Add	*112.79*	
08 52 16 00-0876	EA	52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	724.30	61.39
		For Tempered Low-E Insulated Glass, Add	*120.30*	
08 52 16 00-0877	EA	59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	785.86	66.72
		For Tempered Low-E Insulated Glass, Add	*130.75*	
08 52 16 00-0878	EA	64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	828.05	69.40
		For Tempered Low-E Insulated Glass, Add	*137.85*	
08 52 16 00-0879	EA	71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	889.59	74.74
		For Tempered Low-E Insulated Glass, Add	*148.29*	
08 52 16 00-0880		**35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0881	EA	35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	642.28	65.40
		For Tempered Low-E Insulated Glass, Add	*102.30*	
08 52 16 00-0882	EA	40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	745.61	69.40
		For Tempered Low-E Insulated Glass, Add	*121.63*	
08 52 16 00-0883	EA	48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	897.71	74.07
		For Tempered Low-E Insulated Glass, Add	*149.92*	
08 52 16 00-0884	EA	52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	997.33	76.74
		For Tempered Low-E Insulated Glass, Add	*168.77*	
08 52 16 00-0885	EA	59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,145.76	81.41
		For Tempered Low-E Insulated Glass, Add	*196.59*	
08 52 16 00-0886	EA	64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,249.07	84.75
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0887	EA	71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,868.92	89.42
		For Tempered Low-E Insulated Glass, Add	*338.02*	
08 52 16 00-0888		**40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0889	EA	35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	745.61	69.40
		For Tempered Low-E Insulated Glass, Add	*121.63*	
08 52 16 00-0890	EA	40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	848.92	72.07
		For Tempered Low-E Insulated Glass, Add	*140.96*	
08 52 16 00-0891	EA	48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,001.03	77.41
		For Tempered Low-E Insulated Glass, Add	*169.24*	
08 52 16 00-0892	EA	52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,100.66	80.07
		For Tempered Low-E Insulated Glass, Add	*188.10*	
08 52 16 00-0893	EA	59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,249.07	85.41
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0894	EA	64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,352.38	88.08
		For Tempered Low-E Insulated Glass, Add	*235.24*	
08 52 16 00-0895	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,500.81	93.42
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0896		**48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0897	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	897.71	74.74
		For Tempered Low-E Insulated Glass, Add	*149.92*	
08 52 16 00-0898	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,001.03	77.41
		For Tempered Low-E Insulated Glass, Add	*169.24*	
08 52 16 00-0899	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,153.13	82.75
		For Tempered Low-E Insulated Glass, Add	*197.53*	
08 52 16 00-0900	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,252.76	85.41
		For Tempered Low-E Insulated Glass, Add	*216.39*	
08 52 16 00-0901	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,401.18	90.75
		For Tempered Low-E Insulated Glass, Add	*244.20*	
08 52 16 00-0902	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,504.49	93.42
		For Tempered Low-E Insulated Glass, Add	*263.53*	
08 52 16 00-0903	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,652.91	98.76
		For Tempered Low-E Insulated Glass, Add	*291.35*	
08 52 16 00-0904		**52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)** *(08 52 16 00-0872)*		
08 52 16 00-0905	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	997.33	77.41
		For Tempered Low-E Insulated Glass, Add	*168.77*	
08 52 16 00-0906	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,100.66	80.07
		For Tempered Low-E Insulated Glass, Add	*188.10*	
08 52 16 00-0907	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,252.76	85.41
		For Tempered Low-E Insulated Glass, Add	*216.39*	
08 52 16 00-0908	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,352.38	88.08
		For Tempered Low-E Insulated Glass, Add	*235.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0909	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,500.81	93.42
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0910	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,604.12	96.09
		For Tempered Low-E Insulated Glass, Add	*282.39*	
08 52 16 00-0911	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,891.61	101.42
		For Tempered Low-E Insulated Glass, Add	*338.02*	

08 52 16 00-0912 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0913	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,145.76	81.41
		For Tempered Low-E Insulated Glass, Add	*196.59*	
08 52 16 00-0914	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,249.07	85.41
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0915	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,401.18	90.08
		For Tempered Low-E Insulated Glass, Add	*244.20*	
08 52 16 00-0916	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,500.81	92.75
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0917	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,649.22	97.42
		For Tempered Low-E Insulated Glass, Add	*290.87*	
08 52 16 00-0918	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,752.53	100.76
		For Tempered Low-E Insulated Glass, Add	*310.20*	
08 52 16 00-0919	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,900.95	105.43
		For Tempered Low-E Insulated Glass, Add	*338.02*	

08 52 16 00-0920 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0921	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,249.07	85.41
		For Tempered Low-E Insulated Glass, Add	*215.92*	
08 52 16 00-0922	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,352.38	88.08
		For Tempered Low-E Insulated Glass, Add	*235.24*	
08 52 16 00-0923	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,504.49	93.42
		For Tempered Low-E Insulated Glass, Add	*263.53*	
08 52 16 00-0924	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,604.12	96.09
		For Tempered Low-E Insulated Glass, Add	*282.39*	
08 52 16 00-0925	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,891.61	101.42
		For Tempered Low-E Insulated Glass, Add	*338.02*	

08 52 16 00-0926 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series) *(08 52 16 00-0872)*

08 52 16 00-0927	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,397.48	89.42
		For Tempered Low-E Insulated Glass, Add	*243.73*	
08 52 16 00-0928	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,500.81	93.42
		For Tempered Low-E Insulated Glass, Add	*263.06*	
08 52 16 00-0929	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,652.91	98.10
		For Tempered Low-E Insulated Glass, Add	*291.35*	
08 52 16 00-0930	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,752.53	100.76
		For Tempered Low-E Insulated Glass, Add	*310.20*	
08 52 16 00-0931	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)	1,900.95	105.43
		For Tempered Low-E Insulated Glass, Add	*338.02*	

08 52 16 00-0932 Picture Wood Clad Windows For Double Hung Windows *(08 52 16 00-0810)*

08 52 16 00-0933 Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0932)*

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

08 52 16 00-0934 35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0935	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	699.42	83.41
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-0936	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	718.04	85.41
		For Tempered Clear Insulated Glass, Add	*109.44*	

08 52 16 00-0937 47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0938	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	718.04	85.41
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-0939	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	871.22	101.42
		For Tempered Clear Insulated Glass, Add	*133.67*	

08 52 16 00-0940 53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*

08 52 16 00-0941	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	815.34	95.42
		For Tempered Clear Insulated Glass, Add	*124.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0942	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	833.97	97.42
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-0943		56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0944	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	699.42	84.07
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-0945	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	815.34	95.42
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-0946		59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0947	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	718.04	85.41
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-0948	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	833.97	97.42
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-0949	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	871.22	101.42
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0950	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	910.55	105.43
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-0951		65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0952	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	910.55	105.43
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-0953		71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series) *(08 52 16 00-0933)*		
08 52 16 00-0954	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)	871.22	101.42
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-0955		Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0932)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956		48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0957	EA	12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	779.19	62.72
		For Tempered Low-E Insulated Glass, Add	*130.75*	
08 52 16 00-0958	EA	37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,088.25	80.07
		For Tempered Low-E Insulated Glass, Add	*185.89*	
08 52 16 00-0959	EA	41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,135.37	82.07
		For Tempered Low-E Insulated Glass, Add	*194.24*	
08 52 16 00-0960	EA	47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,206.03	86.08
		For Tempered Low-E Insulated Glass, Add	*206.77*	
08 52 16 00-0961	EA	51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,253.14	89.42
		For Tempered Low-E Insulated Glass, Add	*215.13*	
08 52 16 00-0962	EA	59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,349.45	94.09
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0963	EA	67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,445.77	100.10
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0964		52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-0965	EA	12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	828.38	65.40
		For Tempered Low-E Insulated Glass, Add	*139.52*	
08 52 16 00-0966	EA	37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,135.37	82.75
		For Tempered Low-E Insulated Glass, Add	*194.24*	
08 52 16 00-0967	EA	41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,184.56	84.75
		For Tempered Low-E Insulated Glass, Add	*203.01*	
08 52 16 00-0968	EA	47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,253.14	88.75
		For Tempered Low-E Insulated Glass, Add	*215.13*	
08 52 16 00-0969	EA	51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,302.33	92.09
		For Tempered Low-E Insulated Glass, Add	*223.90*	
08 52 16 00-0970	EA	59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,398.65	96.76
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0971	EA	67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,494.96	102.76
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-0972		56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0973	EA	12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	875.49	68.06
		For Tempered Low-E Insulated Glass, Add	*147.87*	
08 52 16 00-0974	EA	37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,184.56	85.41
		For Tempered Low-E Insulated Glass, Add	*203.01*	
08 52 16 00-0975	EA	41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,231.67	87.41
		For Tempered Low-E Insulated Glass, Add	*211.37*	
08 52 16 00-0976	EA	47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,302.33	91.42
		For Tempered Low-E Insulated Glass, Add	*223.90*	
08 52 16 00-0977	EA	51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,349.45	94.76
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0978	EA	59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,445.77	99.42
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0979	EA	67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,544.16	105.43
		For Tempered Low-E Insulated Glass, Add	*266.93*	

08 52 16 00-0980 60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0981	EA	12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	924.70	70.73
		For Tempered Low-E Insulated Glass, Add	*156.65*	
08 52 16 00-0982	EA	37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,231.67	88.08
		For Tempered Low-E Insulated Glass, Add	*211.37*	
08 52 16 00-0983	EA	41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,280.88	90.08
		For Tempered Low-E Insulated Glass, Add	*220.14*	
08 52 16 00-0984	EA	47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,349.45	94.09
		For Tempered Low-E Insulated Glass, Add	*232.26*	
08 52 16 00-0985	EA	51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,398.65	97.42
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0986	EA	59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,494.96	102.10
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-0987	EA	67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,591.27	108.10
		For Tempered Low-E Insulated Glass, Add	*275.28*	

08 52 16 00-0988 64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0989	EA	12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	971.82	73.40
		For Tempered Low-E Insulated Glass, Add	*165.00*	
08 52 16 00-0990	EA	37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,280.88	90.75
		For Tempered Low-E Insulated Glass, Add	*220.14*	
08 52 16 00-0991	EA	41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,330.08	92.75
		For Tempered Low-E Insulated Glass, Add	*228.91*	
08 52 16 00-0992	EA	47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,398.65	96.76
		For Tempered Low-E Insulated Glass, Add	*241.03*	
08 52 16 00-0993	EA	51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,445.77	100.10
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-0994	EA	59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,544.16	104.76
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-0995	EA	67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,640.47	110.77
		For Tempered Low-E Insulated Glass, Add	*284.05*	

08 52 16 00-0996 68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-0997	EA	12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,021.01	76.07
		For Tempered Low-E Insulated Glass, Add	*173.77*	
08 52 16 00-0998	EA	37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,330.08	93.42
		For Tempered Low-E Insulated Glass, Add	*228.91*	
08 52 16 00-0999	EA	41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,377.18	95.42
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-1000	EA	47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,445.77	99.42
		For Tempered Low-E Insulated Glass, Add	*249.38*	
08 52 16 00-1001	EA	51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,494.96	102.76
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-1002	EA	59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,591.27	107.43
		For Tempered Low-E Insulated Glass, Add	*275.28*	
08 52 16 00-1003	EA	67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,687.58	113.44
		For Tempered Low-E Insulated Glass, Add	*292.41*	

08 52 16 00-1004 72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*

08 52 16 00-1005	EA	12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,068.12	78.74
		For Tempered Low-E Insulated Glass, Add	*182.13*	
08 52 16 00-1006	EA	37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,377.18	96.09
		For Tempered Low-E Insulated Glass, Add	*237.27*	
08 52 16 00-1007	EA	41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,426.38	98.10
		For Tempered Low-E Insulated Glass, Add	*246.04*	
08 52 16 00-1008	EA	47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,494.96	102.10
		For Tempered Low-E Insulated Glass, Add	*258.15*	
08 52 16 00-1009	EA	51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,544.16	105.43
		For Tempered Low-E Insulated Glass, Add	*266.93*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1010	EA	59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,640.47	110.10
		For Tempered Low-E Insulated Glass, Add	*284.05*	
08 52 16 00-1011	EA	67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,736.78	116.11
		For Tempered Low-E Insulated Glass, Add	*301.18*	
08 52 16 00-1012		76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) *(08 52 16 00-0955)*		
08 52 16 00-1013	EA	12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,117.32	81.41
		For Tempered Low-E Insulated Glass, Add	*190.90*	
08 52 16 00-1014	EA	37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,426.38	98.76
		For Tempered Low-E Insulated Glass, Add	*246.04*	
08 52 16 00-1015	EA	41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,473.49	100.76
		For Tempered Low-E Insulated Glass, Add	*254.39*	
08 52 16 00-1016	EA	47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,544.16	104.76
		For Tempered Low-E Insulated Glass, Add	*266.93*	
08 52 16 00-1017	EA	51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,591.27	108.10
		For Tempered Low-E Insulated Glass, Add	*275.28*	
08 52 16 00-1018	EA	59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,687.58	112.77
		For Tempered Low-E Insulated Glass, Add	*292.41*	
08 52 16 00-1019	EA	67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series)	1,783.89	118.77
		For Tempered Low-E Insulated Glass, Add	*309.53*	
08 52 16 00-1020		Picture Wood Clad Windows For Horizontal Sliding Windows *(08 52 16 00-0810)*		
08 52 16 00-1021		Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1020)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022		35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1023	EA	56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	699.42	83.41
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-1024	EA	59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	718.04	85.41
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1025		47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1026	EA	47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	718.04	85.41
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1027	EA	71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	871.22	101.42
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1028		53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1029	EA	56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	815.34	95.42
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-1030	EA	59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	833.97	97.42
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-1031		56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1032	EA	35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	699.42	84.07
		For Tempered Clear Insulated Glass, Add	*106.52*	
08 52 16 00-1033	EA	53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	815.34	95.42
		For Tempered Clear Insulated Glass, Add	*124.90*	
08 52 16 00-1034		59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1035	EA	35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	718.04	85.41
		For Tempered Clear Insulated Glass, Add	*109.44*	
08 52 16 00-1036	EA	53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	833.97	97.42
		For Tempered Clear Insulated Glass, Add	*127.82*	
08 52 16 00-1037	EA	59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	871.22	101.42
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1038	EA	65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	910.55	105.43
		For Tempered Clear Insulated Glass, Add	*139.94*	
08 52 16 00-1039		65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1040	EA	59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	910.55	105.43
		For Tempered Clear Insulated Glass, Add	*139.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1041		71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) *(08 52 16 00-1021)*		
08 52 16 00-1042	EA	47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series)	871.22	101.42
		For Tempered Clear Insulated Glass, Add	*133.67*	
08 52 16 00-1043		Basement Wood Clad Windows *(08 52 16)*		
		Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044		Basement Wood Clad Windows (Andersen 400 Series) *(08 52 16 00-1043)*		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA	32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series)	370.53	53.39
08 52 16 00-1046	EA	32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series)	390.35	53.39
08 52 16 00-1047	EA	32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series)	407.77	53.39
08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows *(08 52 16)*		
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	51.54	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	75.95	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	103.08	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	130.20	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	184.45	
08 52 16 00-1055		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	82.46	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	121.52	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	164.92	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	208.32	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows	295.12	
08 52 16 00-1061		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	98.95	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	145.82	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	197.90	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	249.98	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows	354.14	
08 52 16 00-1067		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows *(08 52 16 00-1048)*		
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	118.75	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	174.98	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	237.48	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	299.98	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows	424.97	
08 52 66		**Wood Window Screens** *(08 52)*		
08 52 66 00-0001		Insect Screens For Wood Clad Windows *(08 52 66)*		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows	47.67	9.24
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows	56.01	9.24
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows	60.18	9.24
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows	68.52	9.24
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows	85.20	9.24
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows	93.54	9.24
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows	101.89	9.24
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows	110.23	9.24
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows	3.32	0.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 53 Plastic Windows *(08 50)*

08 53 13 Vinyl Windows *(08 53)*

08 53 13 00-0001 Single Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	446.17	61.39
		For Colored Vinyl, Add	*32.34*	
		For Tinted Glass, Add	*38.81*	
		For Low-E Insulated Glass, Add	*80.85*	
		For Obscure Glass, Add	*88.93*	
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	469.53	64.06
		For Colored Vinyl, Add	*34.14*	
		For Tinted Glass, Add	*40.97*	
		For Low-E Insulated Glass, Add	*85.35*	
		For Obscure Glass, Add	*93.89*	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	479.15	65.40
		For Colored Vinyl, Add	*34.84*	
		For Tinted Glass, Add	*41.80*	
		For Low-E Insulated Glass, Add	*87.09*	
		For Obscure Glass, Add	*95.80*	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	489.70	66.72
		For Colored Vinyl, Add	*35.62*	
		For Tinted Glass, Add	*42.75*	
		For Low-E Insulated Glass, Add	*89.06*	
		For Obscure Glass, Add	*97.97*	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	517.07	69.40
		For Colored Vinyl, Add	*37.83*	
		For Tinted Glass, Add	*45.39*	
		For Low-E Insulated Glass, Add	*94.57*	
		For Obscure Glass, Add	*104.02*	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200)	561.05	74.74
		For Colored Vinyl, Add	*41.16*	
		For Tinted Glass, Add	*49.39*	
		For Low-E Insulated Glass, Add	*102.90*	
		For Obscure Glass, Add	*113.18*	

08 53 13 00-0010 36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	455.18	62.72
		For Colored Vinyl, Add	*32.97*	
		For Tinted Glass, Add	*39.57*	
		For Low-E Insulated Glass, Add	*82.43*	
		For Obscure Glass, Add	*90.68*	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	478.54	64.06
		For Colored Vinyl, Add	*34.78*	
		For Tinted Glass, Add	*41.73*	
		For Low-E Insulated Glass, Add	*86.94*	
		For Obscure Glass, Add	*95.63*	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	488.17	66.72
		For Colored Vinyl, Add	*35.47*	
		For Tinted Glass, Add	*42.57*	
		For Low-E Insulated Glass, Add	*88.68*	
		For Obscure Glass, Add	*97.55*	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	498.70	68.06
		For Colored Vinyl, Add	*36.26*	
		For Tinted Glass, Add	*43.51*	
		For Low-E Insulated Glass, Add	*90.65*	
		For Obscure Glass, Add	*99.71*	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	526.09	70.73
		For Colored Vinyl, Add	*38.46*	
		For Tinted Glass, Add	*46.15*	
		For Low-E Insulated Glass, Add	*96.16*	
		For Obscure Glass, Add	*105.77*	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200)	570.07	76.07
		For Colored Vinyl, Add	*41.79*	
		For Tinted Glass, Add	*50.15*	
		For Low-E Insulated Glass, Add	*104.48*	
		For Obscure Glass, Add	*114.93*	

08 53 13 00-0017 38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	463.89	64.06
		For Colored Vinyl, Add	*33.58*	
		For Tinted Glass, Add	*40.29*	
		For Low-E Insulated Glass, Add	*83.94*	
		For Obscure Glass, Add	*92.34*	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	487.26	66.72
		For Colored Vinyl, Add	*35.38*	
		For Tinted Glass, Add	*42.46*	
		For Low-E Insulated Glass, Add	*88.45*	
		For Obscure Glass, Add	*97.30*	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	497.28	68.06
		For Colored Vinyl, Add	*36.12*	
		For Tinted Glass, Add	*43.34*	
		For Low-E Insulated Glass, Add	*90.29*	
		For Obscure Glass, Add	*99.32*	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	507.83	69.40
		For Colored Vinyl, Add	*36.90*	
		For Tinted Glass, Add	*44.28*	
		For Low-E Insulated Glass, Add	*92.26*	
		For Obscure Glass, Add	*101.48*	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	535.66	72.07
		For Colored Vinyl, Add	*39.15*	
		For Tinted Glass, Add	*46.98*	
		For Low-E Insulated Glass, Add	*97.88*	
		For Obscure Glass, Add	*107.67*	
08 53 13 00-0023	EA	44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200)	580.25	77.41
		For Colored Vinyl, Add	*42.54*	
		For Tinted Glass, Add	*51.05*	
		For Low-E Insulated Glass, Add	*106.36*	
		For Obscure Glass, Add	*117.00*	

08 53 13 00-0024 44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0025	EA	24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	490.58	68.06
		For Colored Vinyl, Add	*35.45*	
		For Tinted Glass, Add	*42.54*	
		For Low-E Insulated Glass, Add	*88.62*	
		For Obscure Glass, Add	*97.48*	
08 53 13 00-0026	EA	28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	513.95	70.73
		For Colored Vinyl, Add	*37.25*	
		For Tinted Glass, Add	*44.70*	
		For Low-E Insulated Glass, Add	*93.12*	
		For Obscure Glass, Add	*102.43*	
08 53 13 00-0027	EA	30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	525.30	72.07
		For Colored Vinyl, Add	*38.12*	
		For Tinted Glass, Add	*45.74*	
		For Low-E Insulated Glass, Add	*95.29*	
		For Obscure Glass, Add	*104.82*	
08 53 13 00-0028	EA	32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	535.85	73.40
		For Colored Vinyl, Add	*38.90*	
		For Tinted Glass, Add	*46.68*	
		For Low-E Insulated Glass, Add	*97.26*	
		For Obscure Glass, Add	*106.99*	
08 53 13 00-0029	EA	36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	564.99	76.07
		For Colored Vinyl, Add	*41.29*	
		For Tinted Glass, Add	*49.54*	
		For Low-E Insulated Glass, Add	*103.21*	
		For Obscure Glass, Add	*113.53*	
08 53 13 00-0030	EA	44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200)	611.26	81.41
		For Colored Vinyl, Add	*44.84*	
		For Tinted Glass, Add	*53.81*	
		For Low-E Insulated Glass, Add	*112.11*	
		For Obscure Glass, Add	*123.32*	

08 53 13 00-0031 46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0032	EA	24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	499.61	69.40
		For Colored Vinyl, Add	*36.08*	
		For Tinted Glass, Add	*43.30*	
		For Low-E Insulated Glass, Add	*90.20*	
		For Obscure Glass, Add	*99.22*	
08 53 13 00-0033	EA	28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	522.96	72.07
		For Colored Vinyl, Add	*37.88*	
		For Tinted Glass, Add	*45.46*	
		For Low-E Insulated Glass, Add	*94.71*	
		For Obscure Glass, Add	*104.18*	
08 53 13 00-0034	EA	30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.73	73.40
		For Colored Vinyl, Add	*38.79*	
		For Tinted Glass, Add	*46.55*	
		For Low-E Insulated Glass, Add	*96.98*	
		For Obscure Glass, Add	*106.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0035	EA	32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	545.26	74.74
		For Colored Vinyl, Add	*39.58*	
		For Tinted Glass, Add	*47.49*	
		For Low-E Insulated Glass, Add	*98.95*	
		For Obscure Glass, Add	*108.84*	
08 53 13 00-0036	EA	36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	574.82	77.41
		For Colored Vinyl, Add	*42.00*	
		For Tinted Glass, Add	*50.40*	
		For Low-E Insulated Glass, Add	*105.00*	
		For Obscure Glass, Add	*115.50*	
08 53 13 00-0037	EA	44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200)	621.69	82.75
		For Colored Vinyl, Add	*45.62*	
		For Tinted Glass, Add	*54.75*	
		For Low-E Insulated Glass, Add	*114.05*	
		For Obscure Glass, Add	*125.46*	

08 53 13 00-0038 48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0039	EA	24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	508.72	70.73
		For Colored Vinyl, Add	*36.73*	
		For Tinted Glass, Add	*44.07*	
		For Low-E Insulated Glass, Add	*91.81*	
		For Obscure Glass, Add	*100.99*	
08 53 13 00-0040	EA	28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	532.09	73.40
		For Colored Vinyl, Add	*38.53*	
		For Tinted Glass, Add	*46.23*	
		For Low-E Insulated Glass, Add	*96.32*	
		For Obscure Glass, Add	*105.95*	
08 53 13 00-0041	EA	30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	544.24	74.74
		For Colored Vinyl, Add	*39.48*	
		For Tinted Glass, Add	*47.37*	
		For Low-E Insulated Glass, Add	*98.69*	
		For Obscure Glass, Add	*108.56*	
08 53 13 00-0042	EA	32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	554.78	76.07
		For Colored Vinyl, Add	*40.26*	
		For Tinted Glass, Add	*48.32*	
		For Low-E Insulated Glass, Add	*100.66*	
		For Obscure Glass, Add	*110.73*	
08 53 13 00-0043	EA	36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	584.80	78.74
		For Colored Vinyl, Add	*42.73*	
		For Tinted Glass, Add	*51.28*	
		For Low-E Insulated Glass, Add	*106.83*	
		For Obscure Glass, Add	*117.51*	
08 53 13 00-0044	EA	44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200)	632.24	84.07
		For Colored Vinyl, Add	*46.41*	
		For Tinted Glass, Add	*55.69*	
		For Low-E Insulated Glass, Add	*116.02*	
		For Obscure Glass, Add	*127.62*	

08 53 13 00-0045 50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0046	EA	24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	517.43	72.07
		For Colored Vinyl, Add	*37.33*	
		For Tinted Glass, Add	*44.80*	
		For Low-E Insulated Glass, Add	*93.33*	
		For Obscure Glass, Add	*102.66*	
08 53 13 00-0047	EA	28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	540.79	74.74
		For Colored Vinyl, Add	*39.13*	
		For Tinted Glass, Add	*46.96*	
		For Low-E Insulated Glass, Add	*97.83*	
		For Obscure Glass, Add	*107.61*	
08 53 13 00-0048	EA	30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	553.41	76.07
		For Colored Vinyl, Add	*40.13*	
		For Tinted Glass, Add	*48.15*	
		For Low-E Insulated Glass, Add	*100.32*	
		For Obscure Glass, Add	*110.35*	
08 53 13 00-0049	EA	32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	563.95	77.41
		For Colored Vinyl, Add	*40.91*	
		For Tinted Glass, Add	*49.10*	
		For Low-E Insulated Glass, Add	*102.29*	
		For Obscure Glass, Add	*112.51*	
08 53 13 00-0050	EA	36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	594.38	80.07
		For Colored Vinyl, Add	*43.42*	
		For Tinted Glass, Add	*52.11*	
		For Low-E Insulated Glass, Add	*108.56*	
		For Obscure Glass, Add	*119.41*	
08 53 13 00-0051	EA	44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200)	642.37	85.41
		For Colored Vinyl, Add	*47.16*	
		For Tinted Glass, Add	*56.59*	
		For Low-E Insulated Glass, Add	*117.89*	
		For Obscure Glass, Add	*129.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0052		52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0053	EA	24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	526.20	73.40
		For Colored Vinyl, Add	*37.94*	
		For Tinted Glass, Add	*45.53*	
		For Low-E Insulated Glass, Add	*94.85*	
		For Obscure Glass, Add	*104.33*	
08 53 13 00-0054	EA	28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	549.56	76.07
		For Colored Vinyl, Add	*39.74*	
		For Tinted Glass, Add	*47.69*	
		For Low-E Insulated Glass, Add	*99.36*	
		For Obscure Glass, Add	*109.29*	
08 53 13 00-0055	EA	30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	562.63	77.41
		For Colored Vinyl, Add	*40.78*	
		For Tinted Glass, Add	*48.94*	
		For Low-E Insulated Glass, Add	*101.96*	
		For Obscure Glass, Add	*112.15*	
08 53 13 00-0056	EA	32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	573.17	78.74
		For Colored Vinyl, Add	*41.57*	
		For Tinted Glass, Add	*49.88*	
		For Low-E Insulated Glass, Add	*103.92*	
		For Obscure Glass, Add	*114.31*	
08 53 13 00-0057	EA	36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	604.05	81.41
		For Colored Vinyl, Add	*44.12*	
		For Tinted Glass, Add	*52.95*	
		For Low-E Insulated Glass, Add	*110.31*	
		For Obscure Glass, Add	*121.34*	
08 53 13 00-0058	EA	44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200)	652.61	86.75
		For Colored Vinyl, Add	*47.91*	
		For Tinted Glass, Add	*57.49*	
		For Low-E Insulated Glass, Add	*119.78*	
		For Obscure Glass, Add	*131.76*	
08 53 13 00-0059		54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0060	EA	24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	534.95	74.74
		For Colored Vinyl, Add	*38.55*	
		For Tinted Glass, Add	*46.26*	
		For Low-E Insulated Glass, Add	*96.37*	
		For Obscure Glass, Add	*106.01*	
08 53 13 00-0061	EA	28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	558.32	77.41
		For Colored Vinyl, Add	*40.35*	
		For Tinted Glass, Add	*48.42*	
		For Low-E Insulated Glass, Add	*100.88*	
		For Obscure Glass, Add	*110.97*	
08 53 13 00-0062	EA	30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	571.80	78.74
		For Colored Vinyl, Add	*41.43*	
		For Tinted Glass, Add	*49.72*	
		For Low-E Insulated Glass, Add	*103.58*	
		For Obscure Glass, Add	*113.94*	
08 53 13 00-0063	EA	32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	582.34	80.07
		For Colored Vinyl, Add	*42.22*	
		For Tinted Glass, Add	*50.66*	
		For Low-E Insulated Glass, Add	*105.55*	
		For Obscure Glass, Add	*116.10*	
08 53 13 00-0064	EA	36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	613.62	82.75
		For Colored Vinyl, Add	*44.81*	
		For Tinted Glass, Add	*53.78*	
		For Low-E Insulated Glass, Add	*112.04*	
		For Obscure Glass, Add	*123.24*	
08 53 13 00-0065	EA	44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200)	662.74	88.08
		For Colored Vinyl, Add	*48.66*	
		For Tinted Glass, Add	*58.39*	
		For Low-E Insulated Glass, Add	*121.65*	
		For Obscure Glass, Add	*133.81*	
08 53 13 00-0066		60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*		
08 53 13 00-0067	EA	24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	562.00	78.74
		For Colored Vinyl, Add	*40.45*	
		For Tinted Glass, Add	*48.54*	
		For Low-E Insulated Glass, Add	*101.13*	
		For Obscure Glass, Add	*111.24*	
08 53 13 00-0068	EA	28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	585.37	81.41
		For Colored Vinyl, Add	*42.26*	
		For Tinted Glass, Add	*50.71*	
		For Low-E Insulated Glass, Add	*105.64*	
		For Obscure Glass, Add	*116.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0069	EA	30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	600.06	82.75
		For Colored Vinyl, Add	*43.46*	
		For Tinted Glass, Add	*52.15*	
		For Low-E Insulated Glass, Add	*108.65*	
		For Obscure Glass, Add	*119.51*	
08 53 13 00-0070	EA	32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	610.61	84.07
		For Colored Vinyl, Add	*44.25*	
		For Tinted Glass, Add	*53.09*	
		For Low-E Insulated Glass, Add	*110.61*	
		For Obscure Glass, Add	*121.67*	
08 53 13 00-0071	EA	36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	643.22	86.75
		For Colored Vinyl, Add	*46.97*	
		For Tinted Glass, Add	*56.37*	
		For Low-E Insulated Glass, Add	*117.43*	
		For Obscure Glass, Add	*129.17*	
08 53 13 00-0072	EA	44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200)	694.05	92.09
		For Colored Vinyl, Add	*50.99*	
		For Tinted Glass, Add	*61.19*	
		For Low-E Insulated Glass, Add	*127.47*	
		For Obscure Glass, Add	*140.22*	

08 53 13 00-0073 62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0074	EA	24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	570.77	80.07
		For Colored Vinyl, Add	*41.06*	
		For Tinted Glass, Add	*49.27*	
		For Low-E Insulated Glass, Add	*102.66*	
		For Obscure Glass, Add	*112.92*	
08 53 13 00-0075	EA	28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	594.12	82.75
		For Colored Vinyl, Add	*42.86*	
		For Tinted Glass, Add	*51.44*	
		For Low-E Insulated Glass, Add	*107.16*	
		For Obscure Glass, Add	*117.88*	
08 53 13 00-0076	EA	30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	609.34	84.07
		For Colored Vinyl, Add	*44.12*	
		For Tinted Glass, Add	*52.94*	
		For Low-E Insulated Glass, Add	*110.30*	
		For Obscure Glass, Add	*121.32*	
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	619.87	85.41
		For Colored Vinyl, Add	*44.91*	
		For Tinted Glass, Add	*53.89*	
		For Low-E Insulated Glass, Add	*112.26*	
		For Obscure Glass, Add	*123.49*	
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	652.89	88.08
		For Colored Vinyl, Add	*47.67*	
		For Tinted Glass, Add	*57.21*	
		For Low-E Insulated Glass, Add	*119.18*	
		For Obscure Glass, Add	*131.10*	
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200)	704.34	93.42
		For Colored Vinyl, Add	*51.75*	
		For Tinted Glass, Add	*62.10*	
		For Low-E Insulated Glass, Add	*129.38*	
		For Obscure Glass, Add	*142.31*	

08 53 13 00-0080 66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	588.59	82.75
		For Colored Vinyl, Add	*42.31*	
		For Tinted Glass, Add	*50.77*	
		For Low-E Insulated Glass, Add	*105.78*	
		For Obscure Glass, Add	*116.36*	
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	611.95	85.41
		For Colored Vinyl, Add	*44.11*	
		For Tinted Glass, Add	*52.94*	
		For Low-E Insulated Glass, Add	*110.28*	
		For Obscure Glass, Add	*121.31*	
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	627.99	86.75
		For Colored Vinyl, Add	*45.45*	
		For Tinted Glass, Add	*54.54*	
		For Low-E Insulated Glass, Add	*113.62*	
		For Obscure Glass, Add	*124.98*	
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	638.52	88.08
		For Colored Vinyl, Add	*46.24*	
		For Tinted Glass, Add	*55.48*	
		For Low-E Insulated Glass, Add	*115.59*	
		For Obscure Glass, Add	*127.15*	
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	672.45	90.75
		For Colored Vinyl, Add	*49.09*	
		For Tinted Glass, Add	*58.91*	
		For Low-E Insulated Glass, Add	*122.74*	
		For Obscure Glass, Add	*135.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200)	724.96	96.09
		For Colored Vinyl, Add	*53.28*	
		For Tinted Glass, Add	*63.93*	
		For Low-E Insulated Glass, Add	*133.20*	
		For Obscure Glass, Add	*146.51*	

08 53 13 00-0087 72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) *(08 53 13 00-0002)*

08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	615.65	86.75
		For Colored Vinyl, Add	*44.22*	
		For Tinted Glass, Add	*53.06*	
		For Low-E Insulated Glass, Add	*110.54*	
		For Obscure Glass, Add	*121.59*	
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	639.00	89.42
		For Colored Vinyl, Add	*46.02*	
		For Tinted Glass, Add	*55.22*	
		For Low-E Insulated Glass, Add	*115.04*	
		For Obscure Glass, Add	*126.55*	
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	655.04	90.75
		For Colored Vinyl, Add	*47.35*	
		For Tinted Glass, Add	*56.82*	
		For Low-E Insulated Glass, Add	*118.38*	
		For Obscure Glass, Add	*130.22*	
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	665.57	92.09
		For Colored Vinyl, Add	*48.14*	
		For Tinted Glass, Add	*57.77*	
		For Low-E Insulated Glass, Add	*120.35*	
		For Obscure Glass, Add	*132.39*	
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	699.49	94.76
		For Colored Vinyl, Add	*51.00*	
		For Tinted Glass, Add	*61.20*	
		For Low-E Insulated Glass, Add	*127.50*	
		For Obscure Glass, Add	*140.24*	
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200)	752.00	100.10
		For Colored Vinyl, Add	*55.18*	
		For Tinted Glass, Add	*66.22*	
		For Low-E Insulated Glass, Add	*137.96*	
		For Obscure Glass, Add	*151.75*	

08 53 13 00-0094 Replacement, Single Hung Vinyl Windows (Silver Line 2000) *(08 53 13 00-0001)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	659.05	70.06
		For Colored Vinyl, Add	*51.89*	
		For Tinted Glass, Add	*62.27*	
		For Low-E Insulated Glass, Add	*129.73*	
		For Obscure Glass, Add	*142.70*	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	722.40	76.74
		For Colored Vinyl, Add	*56.89*	
		For Tinted Glass, Add	*68.27*	
		For Low-E Insulated Glass, Add	*142.23*	
		For Obscure Glass, Add	*156.46*	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	780.69	83.41
		For Colored Vinyl, Add	*61.39*	
		For Tinted Glass, Add	*73.66*	
		For Low-E Insulated Glass, Add	*153.47*	
		For Obscure Glass, Add	*168.81*	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	821.20	90.08
		For Colored Vinyl, Add	*64.10*	
		For Tinted Glass, Add	*76.92*	
		For Low-E Insulated Glass, Add	*160.26*	
		For Obscure Glass, Add	*176.28*	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	863.74	96.76
		For Colored Vinyl, Add	*67.02*	
		For Tinted Glass, Add	*80.43*	
		For Low-E Insulated Glass, Add	*167.56*	
		For Obscure Glass, Add	*184.31*	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	938.02	103.43
		For Colored Vinyl, Add	*73.12*	
		For Tinted Glass, Add	*87.74*	
		For Low-E Insulated Glass, Add	*182.79*	
		For Obscure Glass, Add	*201.07*	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	7.82	0.86
		For Colored Vinyl, Add	*0.61*	
		For Tinted Glass, Add	*0.73*	
		For Low-E Insulated Glass, Add	*1.52*	
		For Obscure Glass, Add	*1.67*	

08 53 13 00-0102 Double Hung Vinyl Windows *(08 53 13)*

08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0102)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0104		34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	641.50	61.39
		For Colored Vinyl, Add	*51.87*	
		For Tinted Glass, Add	*62.25*	
		For Low-E Insulated Glass, Add	*129.68*	
		For Obscure Glass, Add	*142.65*	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	664.86	64.06
		For Colored Vinyl, Add	*53.67*	
		For Tinted Glass, Add	*64.41*	
		For Low-E Insulated Glass, Add	*134.19*	
		For Obscure Glass, Add	*147.60*	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	676.15	65.40
		For Colored Vinyl, Add	*54.54*	
		For Tinted Glass, Add	*65.44*	
		For Low-E Insulated Glass, Add	*136.34*	
		For Obscure Glass, Add	*149.98*	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	686.70	66.72
		For Colored Vinyl, Add	*55.32*	
		For Tinted Glass, Add	*66.39*	
		For Low-E Insulated Glass, Add	*138.31*	
		For Obscure Glass, Add	*152.14*	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	712.40	69.40
		For Colored Vinyl, Add	*57.36*	
		For Tinted Glass, Add	*68.83*	
		For Low-E Insulated Glass, Add	*143.40*	
		For Obscure Glass, Add	*157.74*	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	754.20	74.74
		For Colored Vinyl, Add	*60.47*	
		For Tinted Glass, Add	*72.57*	
		For Low-E Insulated Glass, Add	*151.18*	
		For Obscure Glass, Add	*166.30*	
08 53 13 00-0111		36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	650.51	62.72
		For Colored Vinyl, Add	*52.51*	
		For Tinted Glass, Add	*63.01*	
		For Low-E Insulated Glass, Add	*131.27*	
		For Obscure Glass, Add	*144.39*	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	673.87	65.40
		For Colored Vinyl, Add	*54.31*	
		For Tinted Glass, Add	*65.17*	
		For Low-E Insulated Glass, Add	*135.77*	
		For Obscure Glass, Add	*149.35*	
08 53 13 00-0114	EA	30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	685.18	66.72
		For Colored Vinyl, Add	*55.17*	
		For Tinted Glass, Add	*66.21*	
		For Low-E Insulated Glass, Add	*137.93*	
		For Obscure Glass, Add	*151.72*	
08 53 13 00-0115	EA	32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	695.71	68.06
		For Colored Vinyl, Add	*55.96*	
		For Tinted Glass, Add	*67.15*	
		For Low-E Insulated Glass, Add	*139.90*	
		For Obscure Glass, Add	*153.89*	
08 53 13 00-0116	EA	36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	721.42	70.73
		For Colored Vinyl, Add	*58.00*	
		For Tinted Glass, Add	*69.59*	
		For Low-E Insulated Glass, Add	*144.99*	
		For Obscure Glass, Add	*159.49*	
08 53 13 00-0117	EA	44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	763.22	76.07
		For Colored Vinyl, Add	*61.11*	
		For Tinted Glass, Add	*73.33*	
		For Low-E Insulated Glass, Add	*152.77*	
		For Obscure Glass, Add	*168.05*	
08 53 13 00-0118		38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0119	EA	24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	658.62	64.06
		For Colored Vinyl, Add	*53.05*	
		For Tinted Glass, Add	*63.66*	
		For Low-E Insulated Glass, Add	*132.63*	
		For Obscure Glass, Add	*145.89*	
08 53 13 00-0120	EA	28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	681.98	66.72
		For Colored Vinyl, Add	*54.85*	
		For Tinted Glass, Add	*65.82*	
		For Low-E Insulated Glass, Add	*137.13*	
		For Obscure Glass, Add	*150.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0121	EA	30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	693.63	68.06
		For Colored Vinyl, Add	*55.75*	
		For Tinted Glass, Add	*66.90*	
		For Low-E Insulated Glass, Add	*139.38*	
		For Obscure Glass, Add	*153.32*	
08 53 13 00-0122	EA	32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	704.18	69.40
		For Colored Vinyl, Add	*56.54*	
		For Tinted Glass, Add	*67.85*	
		For Low-E Insulated Glass, Add	*141.35*	
		For Obscure Glass, Add	*155.48*	
08 53 13 00-0123	EA	36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	730.38	72.07
		For Colored Vinyl, Add	*58.63*	
		For Tinted Glass, Add	*70.35*	
		For Low-E Insulated Glass, Add	*146.56*	
		For Obscure Glass, Add	*161.22*	
08 53 13 00-0124	EA	44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900)	772.69	77.41
		For Colored Vinyl, Add	*61.79*	
		For Tinted Glass, Add	*74.15*	
		For Low-E Insulated Glass, Add	*154.47*	
		For Obscure Glass, Add	*169.92*	
08 53 13 00-0125		44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0126	EA	24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	686.37	68.06
		For Colored Vinyl, Add	*55.03*	
		For Tinted Glass, Add	*66.03*	
		For Low-E Insulated Glass, Add	*137.56*	
		For Obscure Glass, Add	*151.32*	
08 53 13 00-0127	EA	28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	709.74	70.73
		For Colored Vinyl, Add	*56.83*	
		For Tinted Glass, Add	*68.19*	
		For Low-E Insulated Glass, Add	*142.07*	
		For Obscure Glass, Add	*156.27*	
08 53 13 00-0128	EA	30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	719.31	72.07
		For Colored Vinyl, Add	*57.52*	
		For Tinted Glass, Add	*69.02*	
		For Low-E Insulated Glass, Add	*143.80*	
		For Obscure Glass, Add	*158.17*	
08 53 13 00-0129	EA	32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	729.86	73.40
		For Colored Vinyl, Add	*58.31*	
		For Tinted Glass, Add	*69.97*	
		For Low-E Insulated Glass, Add	*145.76*	
		For Obscure Glass, Add	*160.34*	
08 53 13 00-0130	EA	36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	757.17	76.07
		For Colored Vinyl, Add	*60.50*	
		For Tinted Glass, Add	*72.60*	
		For Low-E Insulated Glass, Add	*151.26*	
		For Obscure Glass, Add	*166.38*	
08 53 13 00-0131	EA	44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900)	802.03	81.41
		For Colored Vinyl, Add	*63.92*	
		For Tinted Glass, Add	*76.71*	
		For Low-E Insulated Glass, Add	*159.80*	
		For Obscure Glass, Add	*175.78*	
08 53 13 00-0132		46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0133	EA	24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	694.43	69.40
		For Colored Vinyl, Add	*55.56*	
		For Tinted Glass, Add	*66.68*	
		For Low-E Insulated Glass, Add	*138.91*	
		For Obscure Glass, Add	*152.80*	
08 53 13 00-0134	EA	28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	717.78	72.07
		For Colored Vinyl, Add	*57.37*	
		For Tinted Glass, Add	*68.84*	
		For Low-E Insulated Glass, Add	*143.41*	
		For Obscure Glass, Add	*157.75*	
08 53 13 00-0135	EA	30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	727.93	73.40
		For Colored Vinyl, Add	*58.11*	
		For Tinted Glass, Add	*69.73*	
		For Low-E Insulated Glass, Add	*145.28*	
		For Obscure Glass, Add	*159.81*	
08 53 13 00-0136	EA	32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	738.46	74.74
		For Colored Vinyl, Add	*58.90*	
		For Tinted Glass, Add	*70.68*	
		For Low-E Insulated Glass, Add	*147.25*	
		For Obscure Glass, Add	*161.97*	
08 53 13 00-0137	EA	36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	766.14	77.41
		For Colored Vinyl, Add	*61.13*	
		For Tinted Glass, Add	*73.36*	
		For Low-E Insulated Glass, Add	*152.83*	
		For Obscure Glass, Add	*168.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0138	EA	44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900)	812.50	82.75
		For Colored Vinyl, Add	*64.70*	
		For Tinted Glass, Add	*77.64*	
		For Low-E Insulated Glass, Add	*161.76*	
		For Obscure Glass, Add	*177.93*	

08 53 13 00-0139 48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0140	EA	24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	702.58	70.73
		For Colored Vinyl, Add	*56.11*	
		For Tinted Glass, Add	*67.33*	
		For Low-E Insulated Glass, Add	*140.28*	
		For Obscure Glass, Add	*154.31*	
08 53 13 00-0141	EA	28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	725.95	73.40
		For Colored Vinyl, Add	*57.91*	
		For Tinted Glass, Add	*69.50*	
		For Low-E Insulated Glass, Add	*144.79*	
		For Obscure Glass, Add	*159.26*	
08 53 13 00-0142	EA	30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	736.38	74.74
		For Colored Vinyl, Add	*58.69*	
		For Tinted Glass, Add	*70.43*	
		For Low-E Insulated Glass, Add	*146.73*	
		For Obscure Glass, Add	*161.40*	
08 53 13 00-0143	EA	32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	746.92	76.07
		For Colored Vinyl, Add	*59.48*	
		For Tinted Glass, Add	*71.37*	
		For Low-E Insulated Glass, Add	*148.70*	
		For Obscure Glass, Add	*163.56*	
08 53 13 00-0144	EA	36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	775.11	78.74
		For Colored Vinyl, Add	*61.76*	
		For Tinted Glass, Add	*74.12*	
		For Low-E Insulated Glass, Add	*154.41*	
		For Obscure Glass, Add	*169.85*	
08 53 13 00-0145	EA	44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900)	822.80	84.07
		For Colored Vinyl, Add	*65.46*	
		For Tinted Glass, Add	*78.56*	
		For Low-E Insulated Glass, Add	*163.66*	
		For Obscure Glass, Add	*180.03*	

08 53 13 00-0146 50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0147	EA	24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	710.63	72.07
		For Colored Vinyl, Add	*56.65*	
		For Tinted Glass, Add	*67.98*	
		For Low-E Insulated Glass, Add	*141.63*	
		For Obscure Glass, Add	*155.79*	
08 53 13 00-0148	EA	28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	733.99	74.74
		For Colored Vinyl, Add	*58.45*	
		For Tinted Glass, Add	*70.14*	
		For Low-E Insulated Glass, Add	*146.13*	
		For Obscure Glass, Add	*160.74*	
08 53 13 00-0149	EA	30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	744.94	76.07
		For Colored Vinyl, Add	*59.28*	
		For Tinted Glass, Add	*71.14*	
		For Low-E Insulated Glass, Add	*148.20*	
		For Obscure Glass, Add	*163.02*	
08 53 13 00-0150	EA	32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	755.48	77.41
		For Colored Vinyl, Add	*60.07*	
		For Tinted Glass, Add	*72.08*	
		For Low-E Insulated Glass, Add	*150.17*	
		For Obscure Glass, Add	*165.18*	
08 53 13 00-0151	EA	36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	784.07	80.07
		For Colored Vinyl, Add	*62.39*	
		For Tinted Glass, Add	*74.87*	
		For Low-E Insulated Glass, Add	*155.98*	
		For Obscure Glass, Add	*171.58*	
08 53 13 00-0152	EA	44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900)	833.23	85.41
		For Colored Vinyl, Add	*66.24*	
		For Tinted Glass, Add	*79.49*	
		For Low-E Insulated Glass, Add	*165.60*	
		For Obscure Glass, Add	*182.16*	

08 53 13 00-0153 52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0154	EA	24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	718.74	73.40
		For Colored Vinyl, Add	*57.19*	
		For Tinted Glass, Add	*68.63*	
		For Low-E Insulated Glass, Add	*142.98*	
		For Obscure Glass, Add	*157.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0155	EA	28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	742.09	76.07
		For Colored Vinyl, Add	*59.00*	
		For Tinted Glass, Add	*70.79*	
		For Low-E Insulated Glass, Add	*147.49*	
		For Obscure Glass, Add	*162.24*	
08 53 13 00-0156	EA	30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	753.40	77.41
		For Colored Vinyl, Add	*59.86*	
		For Tinted Glass, Add	*71.83*	
		For Low-E Insulated Glass, Add	*149.65*	
		For Obscure Glass, Add	*164.61*	
08 53 13 00-0157	EA	32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	763.94	78.74
		For Colored Vinyl, Add	*60.65*	
		For Tinted Glass, Add	*72.78*	
		For Low-E Insulated Glass, Add	*151.62*	
		For Obscure Glass, Add	*166.78*	
08 53 13 00-0158	EA	36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	793.90	81.41
		For Colored Vinyl, Add	*63.11*	
		For Tinted Glass, Add	*75.73*	
		For Low-E Insulated Glass, Add	*157.77*	
		For Obscure Glass, Add	*173.55*	
08 53 13 00-0159	EA	44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900)	843.47	86.75
		For Colored Vinyl, Add	*67.00*	
		For Tinted Glass, Add	*80.40*	
		For Low-E Insulated Glass, Add	*167.49*	
		For Obscure Glass, Add	*184.24*	

08 53 13 00-0160 54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0161	EA	24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	726.88	74.74
		For Colored Vinyl, Add	*57.74*	
		For Tinted Glass, Add	*69.29*	
		For Low-E Insulated Glass, Add	*144.35*	
		For Obscure Glass, Add	*158.79*	
08 53 13 00-0162	EA	28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	750.25	77.41
		For Colored Vinyl, Add	*59.54*	
		For Tinted Glass, Add	*71.45*	
		For Low-E Insulated Glass, Add	*148.86*	
		For Obscure Glass, Add	*163.75*	
08 53 13 00-0163	EA	30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	762.01	78.74
		For Colored Vinyl, Add	*60.45*	
		For Tinted Glass, Add	*72.54*	
		For Low-E Insulated Glass, Add	*151.13*	
		For Obscure Glass, Add	*166.25*	
08 53 13 00-0164	EA	32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	772.55	80.07
		For Colored Vinyl, Add	*61.24*	
		For Tinted Glass, Add	*73.49*	
		For Low-E Insulated Glass, Add	*153.10*	
		For Obscure Glass, Add	*168.41*	
08 53 13 00-0165	EA	36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	803.72	82.75
		For Colored Vinyl, Add	*63.82*	
		For Tinted Glass, Add	*76.59*	
		For Low-E Insulated Glass, Add	*159.56*	
		For Obscure Glass, Add	*175.52*	
08 53 13 00-0166	EA	44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900)	853.75	88.08
		For Colored Vinyl, Add	*67.76*	
		For Tinted Glass, Add	*81.31*	
		For Low-E Insulated Glass, Add	*169.40*	
		For Obscure Glass, Add	*186.34*	

08 53 13 00-0167 60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*

08 53 13 00-0168	EA	24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	751.29	78.74
		For Colored Vinyl, Add	*59.38*	
		For Tinted Glass, Add	*71.26*	
		For Low-E Insulated Glass, Add	*148.45*	
		For Obscure Glass, Add	*163.30*	
08 53 13 00-0169	EA	28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	774.66	81.41
		For Colored Vinyl, Add	*61.18*	
		For Tinted Glass, Add	*73.42*	
		For Low-E Insulated Glass, Add	*152.96*	
		For Obscure Glass, Add	*168.26*	
08 53 13 00-0170	EA	30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	789.40	82.75
		For Colored Vinyl, Add	*62.39*	
		For Tinted Glass, Add	*74.87*	
		For Low-E Insulated Glass, Add	*155.98*	
		For Obscure Glass, Add	*171.58*	
08 53 13 00-0171	EA	32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	799.95	84.07
		For Colored Vinyl, Add	*63.18*	
		For Tinted Glass, Add	*75.81*	
		For Low-E Insulated Glass, Add	*157.95*	
		For Obscure Glass, Add	*173.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0172	EA	36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	833.07	86.75
		For Colored Vinyl, Add	*65.96*	
		For Tinted Glass, Add	*79.15*	
		For Low-E Insulated Glass, Add	*164.89*	
		For Obscure Glass, Add	*181.38*	
08 53 13 00-0173	EA	44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900)	884.71	92.09
		For Colored Vinyl, Add	*70.05*	
		For Tinted Glass, Add	*84.06*	
		For Low-E Insulated Glass, Add	*175.14*	
		For Obscure Glass, Add	*192.65*	
08 53 13 00-0174		62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0175	EA	24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	759.40	80.07
		For Colored Vinyl, Add	*59.93*	
		For Tinted Glass, Add	*71.91*	
		For Low-E Insulated Glass, Add	*149.81*	
		For Obscure Glass, Add	*164.79*	
08 53 13 00-0176	EA	28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	782.75	82.75
		For Colored Vinyl, Add	*61.73*	
		For Tinted Glass, Add	*74.07*	
		For Low-E Insulated Glass, Add	*154.32*	
		For Obscure Glass, Add	*169.75*	
08 53 13 00-0177	EA	30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	798.73	84.07
		For Colored Vinyl, Add	*63.06*	
		For Tinted Glass, Add	*75.67*	
		For Low-E Insulated Glass, Add	*157.64*	
		For Obscure Glass, Add	*173.41*	
08 53 13 00-0178	EA	32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	809.26	85.41
		For Colored Vinyl, Add	*63.84*	
		For Tinted Glass, Add	*76.61*	
		For Low-E Insulated Glass, Add	*159.61*	
		For Obscure Glass, Add	*175.57*	
08 53 13 00-0179	EA	36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	842.78	88.08
		For Colored Vinyl, Add	*66.66*	
		For Tinted Glass, Add	*79.99*	
		For Low-E Insulated Glass, Add	*166.66*	
		For Obscure Glass, Add	*183.32*	
08 53 13 00-0180	EA	44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900)	896.01	93.42
		For Colored Vinyl, Add	*70.92*	
		For Tinted Glass, Add	*85.10*	
		For Low-E Insulated Glass, Add	*177.29*	
		For Obscure Glass, Add	*195.02*	
08 53 13 00-0181		66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		
08 53 13 00-0182	EA	24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	777.42	82.75
		For Colored Vinyl, Add	*61.19*	
		For Tinted Glass, Add	*73.43*	
		For Low-E Insulated Glass, Add	*152.99*	
		For Obscure Glass, Add	*168.28*	
08 53 13 00-0183	EA	28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	800.78	85.41
		For Colored Vinyl, Add	*63.00*	
		For Tinted Glass, Add	*75.60*	
		For Low-E Insulated Glass, Add	*157.49*	
		For Obscure Glass, Add	*173.24*	
08 53 13 00-0184	EA	30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	817.43	86.75
		For Colored Vinyl, Add	*64.39*	
		For Tinted Glass, Add	*77.27*	
		For Low-E Insulated Glass, Add	*160.98*	
		For Obscure Glass, Add	*177.08*	
08 53 13 00-0185	EA	32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	827.96	88.08
		For Colored Vinyl, Add	*65.18*	
		For Tinted Glass, Add	*78.22*	
		For Low-E Insulated Glass, Add	*162.95*	
		For Obscure Glass, Add	*179.25*	
08 53 13 00-0186	EA	36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	862.45	90.75
		For Colored Vinyl, Add	*68.09*	
		For Tinted Glass, Add	*81.71*	
		For Low-E Insulated Glass, Add	*170.24*	
		For Obscure Glass, Add	*187.26*	
08 53 13 00-0187	EA	44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	917.80	96.09
		For Colored Vinyl, Add	*72.56*	
		For Tinted Glass, Add	*87.07*	
		For Low-E Insulated Glass, Add	*181.41*	
		For Obscure Glass, Add	*199.55*	
08 53 13 00-0188		72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900) *(08 53 13 00-0103)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0189	EA	24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	804.48	86.75
		For Colored Vinyl, Add	*63.10*	
		For Tinted Glass, Add	*75.72*	
		For Low-E Insulated Glass, Add	*157.75*	
		For Obscure Glass, Add	*173.52*	
08 53 13 00-0190	EA	28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	827.83	89.42
		For Colored Vinyl, Add	*64.90*	
		For Tinted Glass, Add	*77.88*	
		For Low-E Insulated Glass, Add	*162.25*	
		For Obscure Glass, Add	*178.48*	
08 53 13 00-0191	EA	30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	844.48	90.75
		For Colored Vinyl, Add	*66.30*	
		For Tinted Glass, Add	*79.56*	
		For Low-E Insulated Glass, Add	*165.74*	
		For Obscure Glass, Add	*182.32*	
08 53 13 00-0192	EA	32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	855.01	92.09
		For Colored Vinyl, Add	*67.08*	
		For Tinted Glass, Add	*80.50*	
		For Low-E Insulated Glass, Add	*167.71*	
		For Obscure Glass, Add	*184.48*	
08 53 13 00-0193	EA	36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	889.49	94.76
		For Colored Vinyl, Add	*70.00*	
		For Tinted Glass, Add	*84.00*	
		For Low-E Insulated Glass, Add	*175.00*	
		For Obscure Glass, Add	*192.49*	
08 53 13 00-0194	EA	44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	944.84	100.10
		For Colored Vinyl, Add	*74.47*	
		For Tinted Glass, Add	*89.36*	
		For Low-E Insulated Glass, Add	*186.17*	
		For Obscure Glass, Add	*204.78*	

08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500) *(08 53 13 00-0102)*
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0196	EA	Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	788.78	70.06
		For Colored Vinyl, Add	*64.87*	
		For Tinted Glass, Add	*77.84*	
		For Low-E Insulated Glass, Add	*162.16*	
		For Obscure Glass, Add	*178.38*	
08 53 13 00-0197	EA	>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	869.90	76.74
		For Colored Vinyl, Add	*71.64*	
		For Tinted Glass, Add	*85.97*	
		For Low-E Insulated Glass, Add	*179.11*	
		For Obscure Glass, Add	*197.02*	
08 53 13 00-0198	EA	>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	945.96	83.41
		For Colored Vinyl, Add	*77.91*	
		For Tinted Glass, Add	*93.50*	
		For Low-E Insulated Glass, Add	*194.79*	
		For Obscure Glass, Add	*214.26*	
08 53 13 00-0199	EA	>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,000.69	90.08
		For Colored Vinyl, Add	*82.05*	
		For Tinted Glass, Add	*98.46*	
		For Low-E Insulated Glass, Add	*205.13*	
		For Obscure Glass, Add	*225.64*	
08 53 13 00-0200	EA	>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,059.22	96.76
		For Colored Vinyl, Add	*86.57*	
		For Tinted Glass, Add	*103.89*	
		For Low-E Insulated Glass, Add	*216.43*	
		For Obscure Glass, Add	*238.07*	
08 53 13 00-0201	EA	>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	1,151.27	103.43
		For Colored Vinyl, Add	*94.44*	
		For Tinted Glass, Add	*113.33*	
		For Low-E Insulated Glass, Add	*236.10*	
		For Obscure Glass, Add	*259.71*	
08 53 13 00-0202	UI	>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	9.60	0.86
		For Colored Vinyl, Add	*0.79*	
		For Tinted Glass, Add	*0.94*	
		For Low-E Insulated Glass, Add	*1.97*	
		For Obscure Glass, Add	*2.16*	

08 53 13 00-0203 Casement Vinyl Windows *(08 53 13)*

08 53 13 00-0204 New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0203)*
Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0205 One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0206 24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0207	EA	17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	588.86	50.71
		For Colored Vinyl, Add	*48.88*	
		For Tinted Glass, Add	*58.65*	
		For Low-E Insulated Glass, Add	*122.19*	
		For Obscure Glass, Add	*134.41*	
08 53 13 00-0208	EA	20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	609.36	52.05
		For Colored Vinyl, Add	*50.53*	
		For Tinted Glass, Add	*60.63*	
		For Low-E Insulated Glass, Add	*126.32*	
		For Obscure Glass, Add	*138.95*	
08 53 13 00-0209	EA	24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	631.19	54.72
		For Colored Vinyl, Add	*52.18*	
		For Tinted Glass, Add	*62.61*	
		For Low-E Insulated Glass, Add	*130.44*	
		For Obscure Glass, Add	*143.48*	
08 53 13 00-0210	EA	28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	671.21	57.39
		For Colored Vinyl, Add	*55.64*	
		For Tinted Glass, Add	*66.77*	
		For Low-E Insulated Glass, Add	*139.11*	
		For Obscure Glass, Add	*153.02*	

08 53 13 00-0211 28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0212	EA	17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	624.91	53.39
		For Colored Vinyl, Add	*51.95*	
		For Tinted Glass, Add	*62.34*	
		For Low-E Insulated Glass, Add	*129.87*	
		For Obscure Glass, Add	*142.86*	
08 53 13 00-0213	EA	20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	647.29	54.72
		For Colored Vinyl, Add	*53.79*	
		For Tinted Glass, Add	*64.54*	
		For Low-E Insulated Glass, Add	*134.47*	
		For Obscure Glass, Add	*147.91*	
08 53 13 00-0214	EA	24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	670.96	57.39
		For Colored Vinyl, Add	*55.62*	
		For Tinted Glass, Add	*66.74*	
		For Low-E Insulated Glass, Add	*139.05*	
		For Obscure Glass, Add	*152.95*	
08 53 13 00-0215	EA	28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	713.21	60.06
		For Colored Vinyl, Add	*59.31*	
		For Tinted Glass, Add	*71.17*	
		For Low-E Insulated Glass, Add	*148.28*	
		For Obscure Glass, Add	*163.10*	

08 53 13 00-0216 36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0217	EA	17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	667.25	57.39
		For Colored Vinyl, Add	*55.25*	
		For Tinted Glass, Add	*66.30*	
		For Low-E Insulated Glass, Add	*138.12*	
		For Obscure Glass, Add	*151.93*	
08 53 13 00-0218	EA	20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	690.55	60.06
		For Colored Vinyl, Add	*57.18*	
		For Tinted Glass, Add	*68.61*	
		For Low-E Insulated Glass, Add	*142.95*	
		For Obscure Glass, Add	*157.24*	
08 53 13 00-0219	EA	24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	715.24	62.06
		For Colored Vinyl, Add	*59.11*	
		For Tinted Glass, Add	*70.93*	
		For Low-E Insulated Glass, Add	*147.78*	
		For Obscure Glass, Add	*162.56*	
08 53 13 00-0220	EA	28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	759.27	64.72
		For Colored Vinyl, Add	*62.98*	
		For Tinted Glass, Add	*75.58*	
		For Low-E Insulated Glass, Add	*157.45*	
		For Obscure Glass, Add	*173.20*	

08 53 13 00-0221 40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0222	EA	17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	705.77	61.39
		For Colored Vinyl, Add	*58.43*	
		For Tinted Glass, Add	*70.12*	
		For Low-E Insulated Glass, Add	*146.08*	
		For Obscure Glass, Add	*160.69*	
08 53 13 00-0223	EA	20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	730.38	62.72
		For Colored Vinyl, Add	*60.49*	
		For Tinted Glass, Add	*72.59*	
		For Low-E Insulated Glass, Add	*151.23*	
		For Obscure Glass, Add	*166.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0224	EA	24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	756.33	65.40
		For Colored Vinyl, Add	*62.56*	
		For Tinted Glass, Add	*75.07*	
		For Low-E Insulated Glass, Add	*156.39*	
		For Obscure Glass, Add	*172.03*	
08 53 13 00-0225	EA	28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	804.01	68.06
		For Colored Vinyl, Add	*66.79*	
		For Tinted Glass, Add	*80.15*	
		For Low-E Insulated Glass, Add	*166.97*	
		For Obscure Glass, Add	*183.67*	

08 53 13 00-0226 48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0227	EA	17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	748.58	66.72
		For Colored Vinyl, Add	*61.65*	
		For Tinted Glass, Add	*73.98*	
		For Low-E Insulated Glass, Add	*154.12*	
		For Obscure Glass, Add	*169.53*	
08 53 13 00-0228	EA	20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	774.31	68.06
		For Colored Vinyl, Add	*63.82*	
		For Tinted Glass, Add	*76.58*	
		For Low-E Insulated Glass, Add	*159.55*	
		For Obscure Glass, Add	*175.50*	
08 53 13 00-0229	EA	24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	801.44	70.73
		For Colored Vinyl, Add	*66.00*	
		For Tinted Glass, Add	*79.20*	
		For Low-E Insulated Glass, Add	*164.99*	
		For Obscure Glass, Add	*181.49*	
08 53 13 00-0230	EA	28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	853.95	73.40
		For Colored Vinyl, Add	*70.71*	
		For Tinted Glass, Add	*84.86*	
		For Low-E Insulated Glass, Add	*176.79*	
		For Obscure Glass, Add	*194.46*	

08 53 13 00-0231 52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0232	EA	17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	785.91	69.40
		For Colored Vinyl, Add	*64.85*	
		For Tinted Glass, Add	*77.81*	
		For Low-E Insulated Glass, Add	*162.11*	
		For Obscure Glass, Add	*178.32*	
08 53 13 00-0233	EA	20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	813.17	70.73
		For Colored Vinyl, Add	*67.17*	
		For Tinted Glass, Add	*80.60*	
		For Low-E Insulated Glass, Add	*167.93*	
		For Obscure Glass, Add	*184.72*	
08 53 13 00-0234	EA	24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	841.72	73.40
		For Colored Vinyl, Add	*69.49*	
		For Tinted Glass, Add	*83.39*	
		For Low-E Insulated Glass, Add	*173.73*	
		For Obscure Glass, Add	*191.10*	
08 53 13 00-0235	EA	28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	895.13	76.07
		For Colored Vinyl, Add	*74.30*	
		For Tinted Glass, Add	*89.16*	
		For Low-E Insulated Glass, Add	*185.75*	
		For Obscure Glass, Add	*204.32*	

08 53 13 00-0236 60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*

08 53 13 00-0237	EA	17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	827.24	73.40
		For Colored Vinyl, Add	*68.04*	
		For Tinted Glass, Add	*81.65*	
		For Low-E Insulated Glass, Add	*170.11*	
		For Obscure Glass, Add	*187.12*	
08 53 13 00-0238	EA	20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	855.97	76.07
		For Colored Vinyl, Add	*70.52*	
		For Tinted Glass, Add	*84.62*	
		For Low-E Insulated Glass, Add	*176.29*	
		For Obscure Glass, Add	*193.92*	
08 53 13 00-0239	EA	24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	886.04	78.07
		For Colored Vinyl, Add	*72.99*	
		For Tinted Glass, Add	*87.59*	
		For Low-E Insulated Glass, Add	*182.47*	
		For Obscure Glass, Add	*200.72*	
08 53 13 00-0240	EA	28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	940.32	80.75
		For Colored Vinyl, Add	*77.88*	
		For Tinted Glass, Add	*93.46*	
		For Low-E Insulated Glass, Add	*194.71*	
		For Obscure Glass, Add	*214.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0241		64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0242	EA	17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	865.13	77.41
		For Colored Vinyl, Add	*71.17*	
		For Tinted Glass, Add	*85.40*	
		For Low-E Insulated Glass, Add	*177.92*	
		For Obscure Glass, Add	*195.71*	
08 53 13 00-0243	EA	20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	894.63	78.74
		For Colored Vinyl, Add	*73.72*	
		For Tinted Glass, Add	*88.46*	
		For Low-E Insulated Glass, Add	*184.29*	
		For Obscure Glass, Add	*202.72*	
08 53 13 00-0244	EA	24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	926.73	81.41
		For Colored Vinyl, Add	*76.39*	
		For Tinted Glass, Add	*91.67*	
		For Low-E Insulated Glass, Add	*190.98*	
		For Obscure Glass, Add	*210.08*	
08 53 13 00-0245	EA	28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	979.75	84.07
		For Colored Vinyl, Add	*81.16*	
		For Tinted Glass, Add	*97.39*	
		For Low-E Insulated Glass, Add	*202.90*	
		For Obscure Glass, Add	*223.19*	
08 53 13 00-0246		72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0205)*		
08 53 13 00-0247	EA	17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	911.39	81.41
		For Colored Vinyl, Add	*74.86*	
		For Tinted Glass, Add	*89.83*	
		For Low-E Insulated Glass, Add	*187.14*	
		For Obscure Glass, Add	*205.86*	
08 53 13 00-0248	EA	20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	942.46	84.07
		For Colored Vinyl, Add	*77.56*	
		For Tinted Glass, Add	*93.08*	
		For Low-E Insulated Glass, Add	*193.91*	
		For Obscure Glass, Add	*213.30*	
08 53 13 00-0249	EA	24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	973.13	86.08
		For Colored Vinyl, Add	*80.10*	
		For Tinted Glass, Add	*96.12*	
		For Low-E Insulated Glass, Add	*200.24*	
		For Obscure Glass, Add	*220.27*	
08 53 13 00-0250	EA	28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550)	1,025.49	88.75
		For Colored Vinyl, Add	*84.80*	
		For Tinted Glass, Add	*101.76*	
		For Low-E Insulated Glass, Add	*212.00*	
		For Obscure Glass, Add	*233.20*	
08 53 13 00-0251		Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*		
08 53 13 00-0252		36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0253	EA	33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,197.26	68.06
		For Colored Vinyl, Add	*106.11*	
		For Tinted Glass, Add	*127.34*	
		For Low-E Insulated Glass, Add	*265.29*	
		For Obscure Glass, Add	*291.81*	
08 53 13 00-0254	EA	40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,239.92	73.40
		For Colored Vinyl, Add	*109.45*	
		For Tinted Glass, Add	*131.33*	
		For Low-E Insulated Glass, Add	*273.61*	
		For Obscure Glass, Add	*300.97*	
08 53 13 00-0255	EA	48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,283.96	78.74
		For Colored Vinyl, Add	*112.78*	
		For Tinted Glass, Add	*135.34*	
		For Low-E Insulated Glass, Add	*281.95*	
		For Obscure Glass, Add	*310.15*	
08 53 13 00-0256	EA	56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,334.19	83.41
		For Colored Vinyl, Add	*116.74*	
		For Tinted Glass, Add	*140.08*	
		For Low-E Insulated Glass, Add	*291.84*	
		For Obscure Glass, Add	*321.03*	
08 53 13 00-0257		40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*		
08 53 13 00-0258	EA	33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,268.12	71.40
		For Colored Vinyl, Add	*112.53*	
		For Tinted Glass, Add	*135.04*	
		For Low-E Insulated Glass, Add	*281.33*	
		For Obscure Glass, Add	*309.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0259	EA	40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,313.51	76.07
		For Colored Vinyl, Add	*116.14*	
		For Tinted Glass, Add	*139.36*	
		For Low-E Insulated Glass, Add	*290.34*	
		For Obscure Glass, Add	*319.38*	
08 53 13 00-0260	EA	48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,360.30	81.41
		For Colored Vinyl, Add	*119.75*	
		For Tinted Glass, Add	*143.70*	
		For Low-E Insulated Glass, Add	*299.37*	
		For Obscure Glass, Add	*329.31*	
08 53 13 00-0261	EA	56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,408.85	86.75
		For Colored Vinyl, Add	*123.54*	
		For Tinted Glass, Add	*148.24*	
		For Low-E Insulated Glass, Add	*308.84*	
		For Obscure Glass, Add	*339.72*	

08 53 13 00-0262 48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0263	EA	33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,344.24	76.74
		For Colored Vinyl, Add	*119.08*	
		For Tinted Glass, Add	*142.89*	
		For Low-E Insulated Glass, Add	*297.69*	
		For Obscure Glass, Add	*327.46*	
08 53 13 00-0264	EA	40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,391.62	81.41
		For Colored Vinyl, Add	*122.88*	
		For Tinted Glass, Add	*147.46*	
		For Low-E Insulated Glass, Add	*307.20*	
		For Obscure Glass, Add	*337.92*	
08 53 13 00-0265	EA	48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,440.38	86.75
		For Colored Vinyl, Add	*126.69*	
		For Tinted Glass, Add	*152.03*	
		For Low-E Insulated Glass, Add	*316.72*	
		For Obscure Glass, Add	*348.39*	
08 53 13 00-0266	EA	56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,493.55	92.09
		For Colored Vinyl, Add	*130.94*	
		For Tinted Glass, Add	*157.13*	
		For Low-E Insulated Glass, Add	*327.35*	
		For Obscure Glass, Add	*360.08*	

08 53 13 00-0267 52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0268	EA	33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,414.88	79.41
		For Colored Vinyl, Add	*125.61*	
		For Tinted Glass, Add	*150.73*	
		For Low-E Insulated Glass, Add	*314.02*	
		For Obscure Glass, Add	*345.42*	
08 53 13 00-0269	EA	40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,464.90	84.07
		For Colored Vinyl, Add	*129.67*	
		For Tinted Glass, Add	*155.61*	
		For Low-E Insulated Glass, Add	*324.19*	
		For Obscure Glass, Add	*356.60*	
08 53 13 00-0270	EA	48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,516.24	89.42
		For Colored Vinyl, Add	*133.74*	
		For Tinted Glass, Add	*160.49*	
		For Low-E Insulated Glass, Add	*334.35*	
		For Obscure Glass, Add	*367.79*	
08 53 13 00-0271	EA	56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,570.33	94.76
		For Colored Vinyl, Add	*138.08*	
		For Tinted Glass, Add	*165.70*	
		For Low-E Insulated Glass, Add	*345.21*	
		For Obscure Glass, Add	*379.73*	

08 53 13 00-0272 60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0273	EA	33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,489.53	84.07
		For Colored Vinyl, Add	*132.14*	
		For Tinted Glass, Add	*158.56*	
		For Low-E Insulated Glass, Add	*330.34*	
		For Obscure Glass, Add	*363.38*	
08 53 13 00-0274	EA	40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,542.18	89.42
		For Colored Vinyl, Add	*136.47*	
		For Tinted Glass, Add	*163.76*	
		For Low-E Insulated Glass, Add	*341.17*	
		For Obscure Glass, Add	*375.29*	
08 53 13 00-0275	EA	48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,596.11	94.76
		For Colored Vinyl, Add	*140.79*	
		For Tinted Glass, Add	*168.95*	
		For Low-E Insulated Glass, Add	*351.99*	
		For Obscure Glass, Add	*387.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0276	EA	56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,651.07	99.42
		For Colored Vinyl, Add	*145.22*	
		For Tinted Glass, Add	*174.27*	
		For Low-E Insulated Glass, Add	*363.05*	
		For Obscure Glass, Add	*399.36*	

08 53 13 00-0277 64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0278	EA	33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,563.63	87.41
		For Colored Vinyl, Add	*138.88*	
		For Tinted Glass, Add	*166.66*	
		For Low-E Insulated Glass, Add	*347.20*	
		For Obscure Glass, Add	*381.92*	
08 53 13 00-0279	EA	40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,616.28	92.09
		For Colored Vinyl, Add	*143.21*	
		For Tinted Glass, Add	*171.85*	
		For Low-E Insulated Glass, Add	*358.03*	
		For Obscure Glass, Add	*393.83*	
08 53 13 00-0280	EA	48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,670.01	97.42
		For Colored Vinyl, Add	*147.52*	
		For Tinted Glass, Add	*177.02*	
		For Low-E Insulated Glass, Add	*368.79*	
		For Obscure Glass, Add	*405.67*	
08 53 13 00-0281	EA	56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,725.16	102.76
		For Colored Vinyl, Add	*151.96*	
		For Tinted Glass, Add	*182.36*	
		For Low-E Insulated Glass, Add	*379.91*	
		For Obscure Glass, Add	*417.90*	

08 53 13 00-0282 72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0251)*

08 53 13 00-0283	EA	33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,644.76	92.09
		For Colored Vinyl, Add	*146.06*	
		For Tinted Glass, Add	*175.27*	
		For Low-E Insulated Glass, Add	*365.15*	
		For Obscure Glass, Add	*401.66*	
08 53 13 00-0284	EA	40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,697.41	97.42
		For Colored Vinyl, Add	*150.39*	
		For Tinted Glass, Add	*180.47*	
		For Low-E Insulated Glass, Add	*375.98*	
		For Obscure Glass, Add	*413.57*	
08 53 13 00-0285	EA	48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,751.40	102.76
		For Colored Vinyl, Add	*154.72*	
		For Tinted Glass, Add	*185.67*	
		For Low-E Insulated Glass, Add	*386.80*	
		For Obscure Glass, Add	*425.48*	
08 53 13 00-0286	EA	56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,806.36	107.43
		For Colored Vinyl, Add	*159.15*	
		For Tinted Glass, Add	*190.98*	
		For Low-E Insulated Glass, Add	*397.87*	
		For Obscure Glass, Add	*437.66*	

08 53 13 00-0287 Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0204)*

08 53 13 00-0288 36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0289	EA	62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,476.54	86.75
		For Colored Vinyl, Add	*130.30*	
		For Tinted Glass, Add	*156.36*	
		For Low-E Insulated Glass, Add	*325.76*	
		For Obscure Glass, Add	*358.34*	
08 53 13 00-0290	EA	72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,544.76	93.42
		For Colored Vinyl, Add	*135.79*	
		For Tinted Glass, Add	*162.95*	
		For Low-E Insulated Glass, Add	*339.48*	
		For Obscure Glass, Add	*373.43*	
08 53 13 00-0291	EA	86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,668.06	103.43
		For Colored Vinyl, Add	*146.12*	
		For Tinted Glass, Add	*175.34*	
		For Low-E Insulated Glass, Add	*365.30*	
		For Obscure Glass, Add	*401.83*	

08 53 13 00-0292 40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0293	EA	62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,574.75	90.75
		For Colored Vinyl, Add	*139.46*	
		For Tinted Glass, Add	*167.35*	
		For Low-E Insulated Glass, Add	*348.65*	
		For Obscure Glass, Add	*383.51*	
08 53 13 00-0294	EA	72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,643.54	96.76
		For Colored Vinyl, Add	*145.00*	
		For Tinted Glass, Add	*174.00*	
		For Low-E Insulated Glass, Add	*362.51*	
		For Obscure Glass, Add	*398.76*	
08 53 13 00-0295	EA	86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,774.25	106.77
		For Colored Vinyl, Add	*156.07*	
		For Tinted Glass, Add	*187.29*	
		For Low-E Insulated Glass, Add	*390.18*	
		For Obscure Glass, Add	*429.20*	

08 53 13 00-0296 48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0297	EA	62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,665.21	96.09
		For Colored Vinyl, Add	*147.30*	
		For Tinted Glass, Add	*176.76*	
		For Low-E Insulated Glass, Add	*368.26*	
		For Obscure Glass, Add	*405.08*	
08 53 13 00-0298	EA	72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,747.65	102.10
		For Colored Vinyl, Add	*154.35*	
		For Tinted Glass, Add	*185.22*	
		For Low-E Insulated Glass, Add	*385.87*	
		For Obscure Glass, Add	*424.45*	
08 53 13 00-0299	EA	86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,884.70	112.11
		For Colored Vinyl, Add	*166.05*	
		For Tinted Glass, Add	*199.26*	
		For Low-E Insulated Glass, Add	*415.12*	
		For Obscure Glass, Add	*456.63*	

08 53 13 00-0300 52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0301	EA	62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,758.95	98.76
		For Colored Vinyl, Add	*156.14*	
		For Tinted Glass, Add	*187.37*	
		For Low-E Insulated Glass, Add	*390.36*	
		For Obscure Glass, Add	*429.39*	
08 53 13 00-0302	EA	72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,846.57	105.43
		For Colored Vinyl, Add	*163.57*	
		For Tinted Glass, Add	*196.29*	
		For Low-E Insulated Glass, Add	*408.93*	
		For Obscure Glass, Add	*449.82*	
08 53 13 00-0303	EA	86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,004.48	114.77
		For Colored Vinyl, Add	*177.49*	
		For Tinted Glass, Add	*212.99*	
		For Low-E Insulated Glass, Add	*443.74*	
		For Obscure Glass, Add	*488.11*	

08 53 13 00-0304 60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0305	EA	62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,856.64	103.43
		For Colored Vinyl, Add	*164.98*	
		For Tinted Glass, Add	*197.97*	
		For Low-E Insulated Glass, Add	*412.45*	
		For Obscure Glass, Add	*453.69*	
08 53 13 00-0306	EA	72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,948.13	110.10
		For Colored Vinyl, Add	*172.79*	
		For Tinted Glass, Add	*207.35*	
		For Low-E Insulated Glass, Add	*431.98*	
		For Obscure Glass, Add	*475.18*	
08 53 13 00-0307	EA	86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,128.27	119.45
		For Colored Vinyl, Add	*188.94*	
		For Tinted Glass, Add	*226.73*	
		For Low-E Insulated Glass, Add	*472.35*	
		For Obscure Glass, Add	*519.58*	

08 53 13 00-0308 64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0309	EA	62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	1,963.13	106.77
		For Colored Vinyl, Add	*174.96*	
		For Tinted Glass, Add	*209.95*	
		For Low-E Insulated Glass, Add	*437.40*	
		For Obscure Glass, Add	*481.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0310	EA	72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,054.57	113.44
		For Colored Vinyl, Add	*182.77*	
		For Tinted Glass, Add	*219.32*	
		For Low-E Insulated Glass, Add	*456.92*	
		For Obscure Glass, Add	*502.61*	
08 53 13 00-0311	EA	86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,234.72	122.78
		For Colored Vinyl, Add	*198.92*	
		For Tinted Glass, Add	*238.70*	
		For Low-E Insulated Glass, Add	*497.29*	
		For Obscure Glass, Add	*547.02*	

08 53 13 00-0312 72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550) *(08 53 13 00-0287)*

08 53 13 00-0313	EA	62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,072.50	111.43
		For Colored Vinyl, Add	*184.96*	
		For Tinted Glass, Add	*221.96*	
		For Low-E Insulated Glass, Add	*462.41*	
		For Obscure Glass, Add	*508.65*	
08 53 13 00-0314	EA	72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,163.94	118.11
		For Colored Vinyl, Add	*192.77*	
		For Tinted Glass, Add	*231.33*	
		For Low-E Insulated Glass, Add	*481.93*	
		For Obscure Glass, Add	*530.12*	
08 53 13 00-0315	EA	86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550)	2,344.09	127.45
		For Colored Vinyl, Add	*208.92*	
		For Tinted Glass, Add	*250.70*	
		For Low-E Insulated Glass, Add	*522.30*	
		For Obscure Glass, Add	*574.52*	

08 53 13 00-0316 Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0203)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0317 One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0318	EA	Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	759.30	56.72
		For Colored Vinyl, Add	*64.59*	
		For Tinted Glass, Add	*77.50*	
		For Low-E Insulated Glass, Add	*161.47*	
		For Obscure Glass, Add	*177.61*	
08 53 13 00-0319	EA	>53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	862.51	63.40
		For Colored Vinyl, Add	*73.57*	
		For Tinted Glass, Add	*88.29*	
		For Low-E Insulated Glass, Add	*183.93*	
		For Obscure Glass, Add	*202.33*	
08 53 13 00-0320	EA	>63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	955.57	70.06
		For Colored Vinyl, Add	*81.54*	
		For Tinted Glass, Add	*97.85*	
		For Low-E Insulated Glass, Add	*203.86*	
		For Obscure Glass, Add	*224.25*	
08 53 13 00-0321	EA	>73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,038.48	76.74
		For Colored Vinyl, Add	*88.50*	
		For Tinted Glass, Add	*106.20*	
		For Low-E Insulated Glass, Add	*221.25*	
		For Obscure Glass, Add	*243.38*	
08 53 13 00-0322	EA	>83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,111.23	83.41
		For Colored Vinyl, Add	*94.44*	
		For Tinted Glass, Add	*113.33*	
		For Low-E Insulated Glass, Add	*236.10*	
		For Obscure Glass, Add	*259.71*	
08 53 13 00-0323	EA	>93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	1,154.54	90.08
		For Colored Vinyl, Add	*97.44*	
		For Tinted Glass, Add	*116.92*	
		For Low-E Insulated Glass, Add	*243.59*	
		For Obscure Glass, Add	*267.95*	
08 53 13 00-0324	UI	>101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500)	11.38	0.86
		For Colored Vinyl, Add	*0.97*	
		For Tinted Glass, Add	*1.16*	
		For Low-E Insulated Glass, Add	*2.41*	
		For Obscure Glass, Add	*2.65*	

08 53 13 00-0325 Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0326	EA	Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,270.63	70.06
		For Colored Vinyl, Add	*113.05*	
		For Tinted Glass, Add	*135.66*	
		For Low-E Insulated Glass, Add	*282.63*	
		For Obscure Glass, Add	*310.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0327	EA	>73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,396.69	76.74
		For Colored Vinyl, Add	*124.32*	
		For Tinted Glass, Add	*149.19*	
		For Low-E Insulated Glass, Add	*310.81*	
		For Obscure Glass, Add	*341.89*	
08 53 13 00-0328	EA	>83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,512.61	83.41
		For Colored Vinyl, Add	*134.58*	
		For Tinted Glass, Add	*161.49*	
		For Low-E Insulated Glass, Add	*336.45*	
		For Obscure Glass, Add	*370.09*	
08 53 13 00-0329	EA	>93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,590.44	90.08
		For Colored Vinyl, Add	*141.03*	
		For Tinted Glass, Add	*169.23*	
		For Low-E Insulated Glass, Add	*352.57*	
		For Obscure Glass, Add	*387.82*	
08 53 13 00-0330	EA	>101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,673.60	96.76
		For Colored Vinyl, Add	*148.01*	
		For Tinted Glass, Add	*177.61*	
		For Low-E Insulated Glass, Add	*370.02*	
		For Obscure Glass, Add	*407.02*	
08 53 13 00-0331	EA	>110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,760.57	103.43
		For Colored Vinyl, Add	*155.37*	
		For Tinted Glass, Add	*186.45*	
		For Low-E Insulated Glass, Add	*388.43*	
		For Obscure Glass, Add	*427.27*	
08 53 13 00-0332	UI	>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	14.68	0.86
		For Colored Vinyl, Add	*1.30*	
		For Tinted Glass, Add	*1.55*	
		For Low-E Insulated Glass, Add	*3.24*	
		For Obscure Glass, Add	*3.56*	

08 53 13 00-0333 Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500) *(08 53 13 00-0316)*

08 53 13 00-0334	EA	Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,326.23	70.06
		For Colored Vinyl, Add	*118.61*	
		For Tinted Glass, Add	*142.33*	
		For Low-E Insulated Glass, Add	*296.53*	
		For Obscure Glass, Add	*326.18*	
08 53 13 00-0335	EA	>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,458.38	76.74
		For Colored Vinyl, Add	*130.49*	
		For Tinted Glass, Add	*156.59*	
		For Low-E Insulated Glass, Add	*326.23*	
		For Obscure Glass, Add	*358.85*	
08 53 13 00-0336	EA	>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,583.44	83.41
		For Colored Vinyl, Add	*141.66*	
		For Tinted Glass, Add	*169.99*	
		For Low-E Insulated Glass, Add	*354.16*	
		For Obscure Glass, Add	*389.57*	
08 53 13 00-0337	EA	>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,667.37	90.08
		For Colored Vinyl, Add	*148.72*	
		For Tinted Glass, Add	*178.46*	
		For Low-E Insulated Glass, Add	*371.80*	
		For Obscure Glass, Add	*408.98*	
08 53 13 00-0338	EA	>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,757.38	96.76
		For Colored Vinyl, Add	*156.39*	
		For Tinted Glass, Add	*187.66*	
		For Low-E Insulated Glass, Add	*390.97*	
		For Obscure Glass, Add	*430.06*	
08 53 13 00-0339	EA	>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	1,851.97	103.43
		For Colored Vinyl, Add	*164.51*	
		For Tinted Glass, Add	*197.41*	
		For Low-E Insulated Glass, Add	*411.28*	
		For Obscure Glass, Add	*452.41*	
08 53 13 00-0340	UI	>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500)	15.44	0.86
		For Colored Vinyl, Add	*1.37*	
		For Tinted Glass, Add	*1.65*	
		For Low-E Insulated Glass, Add	*3.43*	
		For Obscure Glass, Add	*3.77*	

08 53 13 00-0341 Awning Vinyl Windows *(08 53 13)*

08 53 13 00-0342 New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0341)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0343 Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0342)*

08 53 13 00-0344 17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0345	EA	24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	765.29	54.72
		For Colored Vinyl, Add	*65.59*	
		For Tinted Glass, Add	*78.70*	
		For Low-E Insulated Glass, Add	*163.97*	
		For Obscure Glass, Add	*180.36*	
08 53 13 00-0346	EA	28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	801.09	57.39
		For Colored Vinyl, Add	*68.63*	
		For Tinted Glass, Add	*82.36*	
		For Low-E Insulated Glass, Add	*171.58*	
		For Obscure Glass, Add	*188.74*	
08 53 13 00-0347	EA	36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	856.14	62.06
		For Colored Vinyl, Add	*73.20*	
		For Tinted Glass, Add	*87.84*	
		For Low-E Insulated Glass, Add	*183.01*	
		For Obscure Glass, Add	*201.31*	
08 53 13 00-0348	EA	40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	891.54	65.40
		For Colored Vinyl, Add	*76.08*	
		For Tinted Glass, Add	*91.29*	
		For Low-E Insulated Glass, Add	*190.19*	
		For Obscure Glass, Add	*209.21*	
08 53 13 00-0349	EA	48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	949.65	70.73
		For Colored Vinyl, Add	*80.82*	
		For Tinted Glass, Add	*96.98*	
		For Low-E Insulated Glass, Add	*202.05*	
		For Obscure Glass, Add	*222.25*	

08 53 13 00-0350 20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	807.38	57.39
		For Colored Vinyl, Add	*69.39*	
		For Tinted Glass, Add	*83.27*	
		For Low-E Insulated Glass, Add	*173.49*	
		For Obscure Glass, Add	*190.83*	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	843.18	60.06
		For Colored Vinyl, Add	*72.44*	
		For Tinted Glass, Add	*86.93*	
		For Low-E Insulated Glass, Add	*181.10*	
		For Obscure Glass, Add	*199.21*	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	902.44	64.06
		For Colored Vinyl, Add	*77.43*	
		For Tinted Glass, Add	*92.92*	
		For Low-E Insulated Glass, Add	*193.58*	
		For Obscure Glass, Add	*212.94*	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	937.91	68.06
		For Colored Vinyl, Add	*80.31*	
		For Tinted Glass, Add	*96.37*	
		For Low-E Insulated Glass, Add	*200.78*	
		For Obscure Glass, Add	*220.86*	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,000.16	72.74
		For Colored Vinyl, Add	*85.47*	
		For Tinted Glass, Add	*102.56*	
		For Low-E Insulated Glass, Add	*213.67*	
		For Obscure Glass, Add	*235.04*	

08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450) *(08 53 13 00-0343)*

08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	833.83	60.06
		For Colored Vinyl, Add	*71.51*	
		For Tinted Glass, Add	*85.81*	
		For Low-E Insulated Glass, Add	*178.77*	
		For Obscure Glass, Add	*196.64*	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	869.65	62.72
		For Colored Vinyl, Add	*74.55*	
		For Tinted Glass, Add	*89.46*	
		For Low-E Insulated Glass, Add	*186.38*	
		For Obscure Glass, Add	*205.02*	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	931.03	66.72
		For Colored Vinyl, Add	*79.76*	
		For Tinted Glass, Add	*95.71*	
		For Low-E Insulated Glass, Add	*199.39*	
		For Obscure Glass, Add	*219.33*	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	969.89	70.73
		For Colored Vinyl, Add	*82.98*	
		For Tinted Glass, Add	*99.57*	
		For Low-E Insulated Glass, Add	*207.44*	
		For Obscure Glass, Add	*228.18*	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,033.02	75.40
		For Colored Vinyl, Add	*88.22*	
		For Tinted Glass, Add	*105.87*	
		For Low-E Insulated Glass, Add	*220.55*	
		For Obscure Glass, Add	*242.61*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0362			**28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)** *(08 53 13 00-0343)*		
08 53 13 00-0363	EA		24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	860.36	62.72
			For Colored Vinyl, Add	*73.62*	
			For Tinted Glass, Add	*88.35*	
			For Low-E Insulated Glass, Add	*184.06*	
			For Obscure Glass, Add	*202.47*	
08 53 13 00-0364	EA		28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	896.16	65.40
			For Colored Vinyl, Add	*76.67*	
			For Tinted Glass, Add	*92.00*	
			For Low-E Insulated Glass, Add	*191.68*	
			For Obscure Glass, Add	*210.84*	
08 53 13 00-0365	EA		36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	959.68	69.40
			For Colored Vinyl, Add	*82.09*	
			For Tinted Glass, Add	*98.51*	
			For Low-E Insulated Glass, Add	*205.22*	
			For Obscure Glass, Add	*225.74*	
08 53 13 00-0366	EA		40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,001.69	73.40
			For Colored Vinyl, Add	*85.62*	
			For Tinted Glass, Add	*102.75*	
			For Low-E Insulated Glass, Add	*214.06*	
			For Obscure Glass, Add	*235.46*	
08 53 13 00-0367	EA		48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,065.88	78.07
			For Colored Vinyl, Add	*90.97*	
			For Tinted Glass, Add	*109.17*	
			For Low-E Insulated Glass, Add	*227.43*	
			For Obscure Glass, Add	*250.18*	
08 53 13 00-0368			**36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)** *(08 53 13 00-0343)*		
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,015.52	74.07
			For Colored Vinyl, Add	*86.74*	
			For Tinted Glass, Add	*104.09*	
			For Low-E Insulated Glass, Add	*216.85*	
			For Obscure Glass, Add	*238.53*	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,057.59	77.41
			For Colored Vinyl, Add	*90.28*	
			For Tinted Glass, Add	*108.33*	
			For Low-E Insulated Glass, Add	*225.70*	
			For Obscure Glass, Add	*248.26*	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	1,125.99	82.75
			For Colored Vinyl, Add	*96.05*	
			For Tinted Glass, Add	*115.26*	
			For Low-E Insulated Glass, Add	*240.13*	
			For Obscure Glass, Add	*264.14*	
08 53 13 00-0372			**Replacement, Awning Vinyl Windows (Silver Line 7400)** *(08 53 13 00-0341)*		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	799.66	56.72
			For Colored Vinyl, Add	*68.62*	
			For Tinted Glass, Add	*82.35*	
			For Low-E Insulated Glass, Add	*171.56*	
			For Obscure Glass, Add	*188.71*	
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	926.48	63.40
			For Colored Vinyl, Add	*79.97*	
			For Tinted Glass, Add	*95.96*	
			For Low-E Insulated Glass, Add	*199.93*	
			For Obscure Glass, Add	*219.92*	
08 53 13 00-0375	EA		>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,048.24	70.06
			For Colored Vinyl, Add	*90.81*	
			For Tinted Glass, Add	*108.97*	
			For Low-E Insulated Glass, Add	*227.03*	
			For Obscure Glass, Add	*249.73*	
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,164.91	76.74
			For Colored Vinyl, Add	*101.14*	
			For Tinted Glass, Add	*121.37*	
			For Low-E Insulated Glass, Add	*252.86*	
			For Obscure Glass, Add	*278.15*	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,276.51	83.41
			For Colored Vinyl, Add	*110.97*	
			For Tinted Glass, Add	*133.16*	
			For Low-E Insulated Glass, Add	*277.42*	
			For Obscure Glass, Add	*305.16*	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	1,334.03	90.08
			For Colored Vinyl, Add	*115.39*	
			For Tinted Glass, Add	*138.46*	
			For Low-E Insulated Glass, Add	*288.47*	
			For Obscure Glass, Add	*317.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0379	UI	>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400)	13.15	0.86
		For Colored Vinyl, Add	*1.14*	
		For Tinted Glass, Add	*1.37*	
		For Low-E Insulated Glass, Add	*2.86*	
		For Obscure Glass, Add	*3.14*	

08 53 13 00-0380 Horizontal Sliding Vinyl Windows *(08 53 13)*

08 53 13 00-0381 New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0382 20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0383	EA	36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	435.99	65.40
		For Colored Vinyl, Add	*30.65*	
		For Tinted Glass, Add	*36.78*	
		For Low-E Insulated Glass, Add	*76.63*	
		For Obscure Glass, Add	*84.30*	
08 53 13 00-0384	EA	48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	482.06	73.40
		For Colored Vinyl, Add	*33.66*	
		For Tinted Glass, Add	*40.39*	
		For Low-E Insulated Glass, Add	*84.15*	
		For Obscure Glass, Add	*92.56*	
08 53 13 00-0385	EA	54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	505.09	76.74
		For Colored Vinyl, Add	*35.16*	
		For Tinted Glass, Add	*42.19*	
		For Low-E Insulated Glass, Add	*87.91*	
		For Obscure Glass, Add	*96.70*	
08 53 13 00-0386	EA	60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	528.13	80.75
		For Colored Vinyl, Add	*36.67*	
		For Tinted Glass, Add	*44.00*	
		For Low-E Insulated Glass, Add	*91.66*	
		For Obscure Glass, Add	*100.83*	
08 53 13 00-0387	EA	64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	543.47	84.07
		For Colored Vinyl, Add	*37.67*	
		For Tinted Glass, Add	*45.20*	
		For Low-E Insulated Glass, Add	*94.16*	
		For Obscure Glass, Add	*103.58*	
08 53 13 00-0388	EA	72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	574.20	88.75
		For Colored Vinyl, Add	*39.67*	
		For Tinted Glass, Add	*47.60*	
		For Low-E Insulated Glass, Add	*99.18*	
		For Obscure Glass, Add	*109.09*	

08 53 13 00-0389 24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0390	EA	36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	458.24	68.06
		For Colored Vinyl, Add	*32.34*	
		For Tinted Glass, Add	*38.81*	
		For Low-E Insulated Glass, Add	*80.86*	
		For Obscure Glass, Add	*88.95*	
08 53 13 00-0391	EA	48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	505.68	76.07
		For Colored Vinyl, Add	*35.49*	
		For Tinted Glass, Add	*42.58*	
		For Low-E Insulated Glass, Add	*88.72*	
		For Obscure Glass, Add	*97.59*	
08 53 13 00-0392	EA	54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	529.57	79.41
		For Colored Vinyl, Add	*37.08*	
		For Tinted Glass, Add	*44.49*	
		For Low-E Insulated Glass, Add	*92.69*	
		For Obscure Glass, Add	*101.96*	
08 53 13 00-0393	EA	60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	553.17	83.41
		For Colored Vinyl, Add	*38.64*	
		For Tinted Glass, Add	*46.36*	
		For Low-E Insulated Glass, Add	*96.59*	
		For Obscure Glass, Add	*106.25*	
08 53 13 00-0394	EA	64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	568.97	86.75
		For Colored Vinyl, Add	*39.68*	
		For Tinted Glass, Add	*47.62*	
		For Low-E Insulated Glass, Add	*99.20*	
		For Obscure Glass, Add	*109.12*	
08 53 13 00-0395	EA	72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	600.61	91.42
		For Colored Vinyl, Add	*41.78*	
		For Tinted Glass, Add	*50.13*	
		For Low-E Insulated Glass, Add	*104.45*	
		For Obscure Glass, Add	*114.89*	

08 53 13 00-0396 36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0397	EA	36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	525.43	76.07
		For Colored Vinyl, Add	*37.46*	
		For Tinted Glass, Add	*44.95*	
		For Low-E Insulated Glass, Add	*93.66*	
		For Obscure Glass, Add	*103.02*	
08 53 13 00-0398	EA	48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	577.28	84.07
		For Colored Vinyl, Add	*41.05*	
		For Tinted Glass, Add	*49.26*	
		For Low-E Insulated Glass, Add	*102.62*	
		For Obscure Glass, Add	*112.88*	
08 53 13 00-0399	EA	54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	603.27	87.41
		For Colored Vinyl, Add	*42.84*	
		For Tinted Glass, Add	*51.41*	
		For Low-E Insulated Glass, Add	*107.11*	
		For Obscure Glass, Add	*117.82*	
08 53 13 00-0400	EA	60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	629.19	91.42
		For Colored Vinyl, Add	*44.64*	
		For Tinted Glass, Add	*53.56*	
		For Low-E Insulated Glass, Add	*111.59*	
		For Obscure Glass, Add	*122.75*	
08 53 13 00-0401	EA	64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	646.51	93.42
		For Colored Vinyl, Add	*45.83*	
		For Tinted Glass, Add	*55.00*	
		For Low-E Insulated Glass, Add	*114.59*	
		For Obscure Glass, Add	*126.04*	
08 53 13 00-0402	EA	72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	681.12	99.42
		For Colored Vinyl, Add	*48.23*	
		For Tinted Glass, Add	*57.87*	
		For Low-E Insulated Glass, Add	*120.57*	
		For Obscure Glass, Add	*132.62*	

08 53 13 00-0403 42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0404	EA	36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	559.02	80.07
		For Colored Vinyl, Add	*40.02*	
		For Tinted Glass, Add	*48.03*	
		For Low-E Insulated Glass, Add	*100.05*	
		For Obscure Glass, Add	*110.06*	
08 53 13 00-0405	EA	48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	613.12	88.08
		For Colored Vinyl, Add	*43.83*	
		For Tinted Glass, Add	*52.59*	
		For Low-E Insulated Glass, Add	*109.57*	
		For Obscure Glass, Add	*120.53*	
08 53 13 00-0406	EA	54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	640.21	91.42
		For Colored Vinyl, Add	*45.74*	
		For Tinted Glass, Add	*54.89*	
		For Low-E Insulated Glass, Add	*114.35*	
		For Obscure Glass, Add	*125.78*	
08 53 13 00-0407	EA	60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	667.26	95.42
		For Colored Vinyl, Add	*47.64*	
		For Tinted Glass, Add	*57.17*	
		For Low-E Insulated Glass, Add	*119.11*	
		For Obscure Glass, Add	*131.02*	
08 53 13 00-0408	EA	64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	685.24	98.76
		For Colored Vinyl, Add	*48.91*	
		For Tinted Glass, Add	*58.69*	
		For Low-E Insulated Glass, Add	*122.27*	
		For Obscure Glass, Add	*134.49*	
08 53 13 00-0409	EA	72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	721.36	103.43
		For Colored Vinyl, Add	*51.45*	
		For Tinted Glass, Add	*61.74*	
		For Low-E Insulated Glass, Add	*128.63*	
		For Obscure Glass, Add	*141.49*	

08 53 13 00-0410 44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0411	EA	36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	570.22	81.41
		For Colored Vinyl, Add	*40.87*	
		For Tinted Glass, Add	*49.05*	
		For Low-E Insulated Glass, Add	*102.19*	
		For Obscure Glass, Add	*112.40*	
08 53 13 00-0412	EA	48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	625.08	89.42
		For Colored Vinyl, Add	*44.76*	
		For Tinted Glass, Add	*53.71*	
		For Low-E Insulated Glass, Add	*111.90*	
		For Obscure Glass, Add	*123.08*	
08 53 13 00-0413	EA	54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	652.49	92.75
		For Colored Vinyl, Add	*46.70*	
		For Tinted Glass, Add	*56.04*	
		For Low-E Insulated Glass, Add	*116.75*	
		For Obscure Glass, Add	*128.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0414	EA	60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	679.93	96.76
		For Colored Vinyl, Add	*48.64*	
		For Tinted Glass, Add	*58.37*	
		For Low-E Insulated Glass, Add	*121.61*	
		For Obscure Glass, Add	*133.77*	
08 53 13 00-0415	EA	64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	698.23	100.10
		For Colored Vinyl, Add	*49.94*	
		For Tinted Glass, Add	*59.92*	
		For Low-E Insulated Glass, Add	*124.84*	
		For Obscure Glass, Add	*137.33*	
08 53 13 00-0416	EA	72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	734.75	104.76
		For Colored Vinyl, Add	*52.52*	
		For Tinted Glass, Add	*63.03*	
		For Low-E Insulated Glass, Add	*131.31*	
		For Obscure Glass, Add	*144.44*	

08 53 13 00-0417 46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0418	EA	36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	581.43	82.75
		For Colored Vinyl, Add	*41.73*	
		For Tinted Glass, Add	*50.07*	
		For Low-E Insulated Glass, Add	*104.32*	
		For Obscure Glass, Add	*114.75*	
08 53 13 00-0419	EA	48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	636.99	90.75
		For Colored Vinyl, Add	*45.68*	
		For Tinted Glass, Add	*54.82*	
		For Low-E Insulated Glass, Add	*114.21*	
		For Obscure Glass, Add	*125.63*	
08 53 13 00-0420	EA	54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	664.79	94.09
		For Colored Vinyl, Add	*47.66*	
		For Tinted Glass, Add	*57.19*	
		For Low-E Insulated Glass, Add	*119.16*	
		For Obscure Glass, Add	*131.07*	
08 53 13 00-0421	EA	60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	692.56	98.10
		For Colored Vinyl, Add	*49.64*	
		For Tinted Glass, Add	*59.57*	
		For Low-E Insulated Glass, Add	*124.10*	
		For Obscure Glass, Add	*136.50*	
08 53 13 00-0422	EA	64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	711.10	101.42
		For Colored Vinyl, Add	*50.96*	
		For Tinted Glass, Add	*61.15*	
		For Low-E Insulated Glass, Add	*127.40*	
		For Obscure Glass, Add	*140.13*	
08 53 13 00-0423	EA	72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	748.17	106.10
		For Colored Vinyl, Add	*53.60*	
		For Tinted Glass, Add	*64.32*	
		For Low-E Insulated Glass, Add	*134.00*	
		For Obscure Glass, Add	*147.39*	

08 53 13 00-0424 48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0425	EA	36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	592.62	84.07
		For Colored Vinyl, Add	*42.58*	
		For Tinted Glass, Add	*51.10*	
		For Low-E Insulated Glass, Add	*106.45*	
		For Obscure Glass, Add	*117.10*	
08 53 13 00-0426	EA	48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	648.94	92.09
		For Colored Vinyl, Add	*46.61*	
		For Tinted Glass, Add	*55.93*	
		For Low-E Insulated Glass, Add	*116.53*	
		For Obscure Glass, Add	*128.18*	
08 53 13 00-0427	EA	54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	677.11	95.42
		For Colored Vinyl, Add	*48.63*	
		For Tinted Glass, Add	*58.35*	
		For Low-E Insulated Glass, Add	*121.57*	
		For Obscure Glass, Add	*133.72*	
08 53 13 00-0428	EA	60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	705.24	99.42
		For Colored Vinyl, Add	*50.64*	
		For Tinted Glass, Add	*60.77*	
		For Low-E Insulated Glass, Add	*126.60*	
		For Obscure Glass, Add	*139.25*	
08 53 13 00-0429	EA	64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	724.02	102.76
		For Colored Vinyl, Add	*51.98*	
		For Tinted Glass, Add	*62.38*	
		For Low-E Insulated Glass, Add	*129.96*	
		For Obscure Glass, Add	*142.95*	
08 53 13 00-0430	EA	72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	761.61	107.43
		For Colored Vinyl, Add	*54.67*	
		For Tinted Glass, Add	*65.61*	
		For Low-E Insulated Glass, Add	*136.69*	
		For Obscure Glass, Add	*150.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0431		50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0432	EA	36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	603.82	85.41
		For Colored Vinyl, Add	*43.43*	
		For Tinted Glass, Add	*52.12*	
		For Low-E Insulated Glass, Add	*108.58*	
		For Obscure Glass, Add	*119.44*	
08 53 13 00-0433	EA	48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	660.86	93.42
		For Colored Vinyl, Add	*47.54*	
		For Tinted Glass, Add	*57.04*	
		For Low-E Insulated Glass, Add	*118.84*	
		For Obscure Glass, Add	*130.72*	
08 53 13 00-0434	EA	54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	689.38	96.76
		For Colored Vinyl, Add	*49.59*	
		For Tinted Glass, Add	*59.50*	
		For Low-E Insulated Glass, Add	*123.97*	
		For Obscure Glass, Add	*136.36*	
08 53 13 00-0435	EA	60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	717.90	100.76
		For Colored Vinyl, Add	*51.64*	
		For Tinted Glass, Add	*61.97*	
		For Low-E Insulated Glass, Add	*129.10*	
		For Obscure Glass, Add	*142.00*	
08 53 13 00-0436	EA	64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	736.95	104.10
		For Colored Vinyl, Add	*53.01*	
		For Tinted Glass, Add	*63.61*	
		For Low-E Insulated Glass, Add	*132.52*	
		For Obscure Glass, Add	*145.77*	
08 53 13 00-0437	EA	72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	774.99	108.77
		For Colored Vinyl, Add	*55.75*	
		For Tinted Glass, Add	*66.90*	
		For Low-E Insulated Glass, Add	*139.37*	
		For Obscure Glass, Add	*153.30*	
08 53 13 00-0438		52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0439	EA	36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	615.02	86.75
		For Colored Vinyl, Add	*44.29*	
		For Tinted Glass, Add	*53.14*	
		For Low-E Insulated Glass, Add	*110.72*	
		For Obscure Glass, Add	*121.79*	
08 53 13 00-0440	EA	48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	672.82	94.76
		For Colored Vinyl, Add	*48.47*	
		For Tinted Glass, Add	*58.16*	
		For Low-E Insulated Glass, Add	*121.16*	
		For Obscure Glass, Add	*133.28*	
08 53 13 00-0441	EA	54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	701.69	98.10
		For Colored Vinyl, Add	*50.55*	
		For Tinted Glass, Add	*60.66*	
		For Low-E Insulated Glass, Add	*126.38*	
		For Obscure Glass, Add	*139.02*	
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	730.62	102.10
		For Colored Vinyl, Add	*52.64*	
		For Tinted Glass, Add	*63.17*	
		For Low-E Insulated Glass, Add	*131.61*	
		For Obscure Glass, Add	*144.77*	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	749.88	105.43
		For Colored Vinyl, Add	*54.04*	
		For Tinted Glass, Add	*64.84*	
		For Low-E Insulated Glass, Add	*135.09*	
		For Obscure Glass, Add	*148.60*	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	788.43	110.10
		For Colored Vinyl, Add	*56.82*	
		For Tinted Glass, Add	*68.19*	
		For Low-E Insulated Glass, Add	*142.06*	
		For Obscure Glass, Add	*156.26*	
08 53 13 00-0445		54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.22	88.08
		For Colored Vinyl, Add	*45.14*	
		For Tinted Glass, Add	*54.17*	
		For Low-E Insulated Glass, Add	*112.85*	
		For Obscure Glass, Add	*124.13*	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	684.73	96.09
		For Colored Vinyl, Add	*49.39*	
		For Tinted Glass, Add	*59.27*	
		For Low-E Insulated Glass, Add	*123.47*	
		For Obscure Glass, Add	*135.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	714.02	99.42
		For Colored Vinyl, Add	*51.52*	
		For Tinted Glass, Add	*61.82*	
		For Low-E Insulated Glass, Add	*128.79*	
		For Obscure Glass, Add	*141.67*	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	743.30	103.43
		For Colored Vinyl, Add	*53.64*	
		For Tinted Glass, Add	*64.37*	
		For Low-E Insulated Glass, Add	*134.11*	
		For Obscure Glass, Add	*147.52*	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	762.79	106.77
		For Colored Vinyl, Add	*55.06*	
		For Tinted Glass, Add	*66.07*	
		For Low-E Insulated Glass, Add	*137.65*	
		For Obscure Glass, Add	*151.42*	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	801.81	111.43
		For Colored Vinyl, Add	*57.89*	
		For Tinted Glass, Add	*69.47*	
		For Low-E Insulated Glass, Add	*144.74*	
		For Obscure Glass, Add	*159.21*	

08 53 13 00-0452 60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800) *(08 53 13 00-0381)*

08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	682.30	92.09
		For Colored Vinyl, Add	*49.95*	
		For Tinted Glass, Add	*59.94*	
		For Low-E Insulated Glass, Add	*124.87*	
		For Obscure Glass, Add	*137.35*	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	720.57	100.10
		For Colored Vinyl, Add	*52.17*	
		For Tinted Glass, Add	*62.61*	
		For Low-E Insulated Glass, Add	*130.43*	
		For Obscure Glass, Add	*143.47*	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	750.96	103.43
		For Colored Vinyl, Add	*54.41*	
		For Tinted Glass, Add	*65.29*	
		For Low-E Insulated Glass, Add	*136.03*	
		For Obscure Glass, Add	*149.63*	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	781.31	107.43
		For Colored Vinyl, Add	*56.64*	
		For Tinted Glass, Add	*67.97*	
		For Low-E Insulated Glass, Add	*141.61*	
		For Obscure Glass, Add	*155.77*	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	801.58	110.77
		For Colored Vinyl, Add	*58.14*	
		For Tinted Glass, Add	*69.76*	
		For Low-E Insulated Glass, Add	*145.34*	
		For Obscure Glass, Add	*159.88*	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	842.06	115.44
		For Colored Vinyl, Add	*61.12*	
		For Tinted Glass, Add	*73.34*	
		For Low-E Insulated Glass, Add	*152.80*	
		For Obscure Glass, Add	*168.07*	

08 53 13 00-0459 Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700) *(08 53 13 00-0380)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	714.65	70.06
		For Colored Vinyl, Add	*57.45*	
		For Tinted Glass, Add	*68.94*	
		For Low-E Insulated Glass, Add	*143.63*	
		For Obscure Glass, Add	*157.99*	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	785.62	76.74
		For Colored Vinyl, Add	*63.22*	
		For Tinted Glass, Add	*75.86*	
		For Low-E Insulated Glass, Add	*158.04*	
		For Obscure Glass, Add	*173.84*	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	851.52	83.41
		For Colored Vinyl, Add	*68.47*	
		For Tinted Glass, Add	*82.16*	
		For Low-E Insulated Glass, Add	*171.18*	
		For Obscure Glass, Add	*188.29*	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	898.13	90.08
		For Colored Vinyl, Add	*71.80*	
		For Tinted Glass, Add	*86.16*	
		For Low-E Insulated Glass, Add	*179.49*	
		For Obscure Glass, Add	*197.44*	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	947.52	96.76
		For Colored Vinyl, Add	*75.40*	
		For Tinted Glass, Add	*90.48*	
		For Low-E Insulated Glass, Add	*188.50*	
		For Obscure Glass, Add	*207.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	1,029.41	103.43
		For Colored Vinyl, Add	*82.26*	
		For Tinted Glass, Add	*98.71*	
		For Low-E Insulated Glass, Add	*205.64*	
		For Obscure Glass, Add	*226.20*	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	8.58	0.86
		For Colored Vinyl, Add	*0.69*	
		For Tinted Glass, Add	*0.82*	
		For Low-E Insulated Glass, Add	*1.71*	
		For Obscure Glass, Add	*1.88*	

08 53 13 00-0467 Basement Vinyl Windows *(08 53 13)*

08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900) *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	411.42	53.39
		For Colored Vinyl, Add	*30.47*	
		For Tinted Glass, Add	*36.56*	
		For Low-E Insulated Glass, Add	*76.16*	
		For Obscure Glass, Add	*83.78*	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	446.96	53.39
		For Colored Vinyl, Add	*34.02*	
		For Tinted Glass, Add	*40.82*	
		For Low-E Insulated Glass, Add	*85.05*	
		For Obscure Glass, Add	*93.55*	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	467.27	53.39
		For Colored Vinyl, Add	*36.05*	
		For Tinted Glass, Add	*43.26*	
		For Low-E Insulated Glass, Add	*90.13*	
		For Obscure Glass, Add	*99.14*	

08 53 13 00-0472 Replacement, Basement Vinyl Windows *(08 53 13 00-0467)*

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	535.69	52.05
		For Colored Vinyl, Add	*43.16*	
		For Tinted Glass, Add	*51.79*	
		For Low-E Insulated Glass, Add	*107.90*	
		For Obscure Glass, Add	*118.69*	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	594.86	60.06
		For Colored Vinyl, Add	*47.48*	
		For Tinted Glass, Add	*56.97*	
		For Low-E Insulated Glass, Add	*118.69*	
		For Obscure Glass, Add	*130.56*	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	10.36	0.86
		For Colored Vinyl, Add	*0.86*	
		For Tinted Glass, Add	*1.04*	
		For Low-E Insulated Glass, Add	*2.16*	
		For Obscure Glass, Add	*2.37*	

08 53 13 00-0476 Accessories For Vinyl Windows *(08 53 13)*

08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0476)*

08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	71.08
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	91.39
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	117.71
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	138.94
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	170.79

08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows *(08 53 13 00-0477)*

08 53 13 00-0485	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	161.56
08 53 13 00-0486	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	193.87
08 53 13 00-0487	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	244.64
08 53 13 00-0488	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	304.65
08 53 13 00-0489	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows	364.66

08 53 66 Vinyl Window Screens *(08 53)*

08 53 66 00-0001 Insect Screens For Vinyl Windows *(08 53 66)*

08 53 66 00-0002	EA	Up To 6 SF, Insect Screen For Vinyl Windows	64.63	9.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 66 00-0003	EA	>6 To 9 SF, Insect Screen For Vinyl Windows	92.32	9.24
08 53 66 00-0004	EA	>9 To 12 SF, Insect Screen For Vinyl Windows	101.56	9.24
08 53 66 00-0005	EA	>12 To 15 SF, Insect Screen For Vinyl Windows	120.02	9.24
08 53 66 00-0006	EA	>15 To 20 SF, Insect Screen For Vinyl Windows	161.56	9.24
08 53 66 00-0007	EA	>20 To 25 SF, Insect Screen For Vinyl Windows	180.03	9.24
08 53 66 00-0008	EA	>25 To 30 SF, Insect Screen For Vinyl Windows	207.72	9.24
08 53 66 00-0009	EA	>30 To 35 SF, Insect Screen For Vinyl Windows	226.19	9.24
08 53 66 00-0010	SF	>35 SF, Insect Screen For Vinyl Windows	6.92	0.18

08 56 Special Function Windows *(08 50)*

08 56 19 Pass Windows *(08 56)*

08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame *(08 56 19)*

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA	24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	4,838.15	687.22
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*45.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*295.00*	
08 56 19 00-0003	EA	30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,331.44	744.48
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*60.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*370.00*	
08 56 19 00-0004	EA	36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	5,606.08	801.76
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*70.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*445.00*	
08 56 19 00-0005	EA	48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	7,018.61	916.29
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*100.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*650.00*	
08 56 19 00-0006	EA	72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame	9,463.40	1,374.44
		For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	*150.00*	
		For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	*975.00*	

08 56 56 Security Window Screens *(08 56)*

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

08 56 56 00-0001 Wire Mesh Security Screen *(08 56 56)*

08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0003	SF	13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	36.18	5.16
		For Painted Steel, Add	*2.93*	
		For Galvanized Steel, Add	*5.86*	
		For Aluminum, Add	*11.72*	
		For Stainless Steel, Add	*51.29*	
08 56 56 00-0004	SF	11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	37.02	5.16
		For Painted Steel, Add	*3.02*	
		For Galvanized Steel, Add	*6.03*	
		For Aluminum, Add	*12.06*	
		For Stainless Steel, Add	*52.76*	
08 56 56 00-0005	SF	9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	40.89	5.16
		For Painted Steel, Add	*3.40*	
		For Galvanized Steel, Add	*6.80*	
		For Aluminum, Add	*13.61*	
		For Stainless Steel, Add	*59.54*	
08 56 56 00-0006	SF	6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen	49.16	5.16
		For Painted Steel, Add	*4.23*	
		For Galvanized Steel, Add	*8.46*	
		For Aluminum, Add	*16.92*	
		For Stainless Steel, Add	*74.01*	

08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen *(08 56 56 00-0001)*

08 56 56 00-0008	SF	13 Gauge, Wire Mesh, Operable, Steel Security Window Screen	50.91	6.30
		For Painted Steel, Add	*4.18*	
		For Galvanized Steel, Add	*8.35*	
		For Aluminum, Add	*16.70*	
		For Stainless Steel, Add	*73.06*	
08 56 56 00-0009	SF	11 Gauge, Wire Mesh, Operable, Steel Security Window Screen	52.18	6.30
		For Painted Steel, Add	*4.30*	
		For Galvanized Steel, Add	*8.60*	
		For Aluminum, Add	*17.21*	
		For Stainless Steel, Add	*75.29*	
08 56 56 00-0010	SF	9 Gauge, Wire Mesh, Operable, Steel Security Window Screen	57.73	6.30
		For Painted Steel, Add	*4.86*	
		For Galvanized Steel, Add	*9.71*	
		For Aluminum, Add	*19.43*	
		For Stainless Steel, Add	*85.00*	
08 56 56 00-0011	SF	6 Gauge, Wire Mesh, Operable, Steel Security Window Screen	69.33	6.30
		For Painted Steel, Add	*6.02*	
		For Galvanized Steel, Add	*12.03*	
		For Aluminum, Add	*24.07*	
		For Stainless Steel, Add	*105.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0012		**Wire Cloth Security Screen** *(08 56 56)* Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013		**Wire Cloth, Inoperable, Security Window Screens** *(08 56 56 00-0012)*		
08 56 56 00-0014	SF	24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	23.21	3.43
		For Painted Steel, Add	*0.87*	
		For Galvanized Steel, Add	*2.62*	
		For Aluminum, Add	*5.24*	
		For Stainless Steel, Add	*21.85*	
08 56 56 00-0015	SF	22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	24.39	3.43
		For Painted Steel, Add	*0.93*	
		For Galvanized Steel, Add	*2.80*	
		For Aluminum, Add	*5.60*	
		For Stainless Steel, Add	*23.33*	
08 56 56 00-0016	SF	20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	26.23	3.43
		For Painted Steel, Add	*1.03*	
		For Galvanized Steel, Add	*3.08*	
		For Aluminum, Add	*6.15*	
		For Stainless Steel, Add	*25.63*	
08 56 56 00-0017	SF	18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen	29.76	3.43
		For Painted Steel, Add	*1.20*	
		For Galvanized Steel, Add	*3.60*	
		For Aluminum, Add	*7.21*	
		For Stainless Steel, Add	*30.04*	
08 56 56 00-0018		**Wire Cloth, Operable, Security Window Screens** *(08 56 56 00-0012)*		
08 56 56 00-0019	SF	24 Gauge, Wire Cloth, Operable, Steel Security Window Screen	31.78	4.58
		For Painted Steel, Add	*1.25*	
		For Galvanized Steel, Add	*3.74*	
		For Aluminum, Add	*7.47*	
		For Stainless Steel, Add	*31.14*	
08 56 56 00-0020	SF	22 Gauge, Wire Cloth, Operable, Steel Security Window Screen	33.59	4.58
		For Painted Steel, Add	*1.34*	
		For Galvanized Steel, Add	*4.01*	
		For Aluminum, Add	*8.02*	
		For Stainless Steel, Add	*33.40*	
08 56 56 00-0021	SF	20 Gauge, Wire Cloth, Operable, Steel Security Window Screen	36.11	4.58
		For Painted Steel, Add	*1.46*	
		For Galvanized Steel, Add	*4.39*	
		For Aluminum, Add	*8.77*	
		For Stainless Steel, Add	*36.55*	
08 56 56 00-0022	SF	18 Gauge, Wire Cloth, Operable, Steel Security Window Screen	41.16	4.58
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*5.14*	
		For Aluminum, Add	*10.29*	
		For Stainless Steel, Add	*42.86*	
08 56 56 00-0023		**Expanded Metal Security Screen** *(08 56 56)* Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024		**Expanded Metal, Inoperable, Security Screen** *(08 56 56 00-0023)*		
08 56 56 00-0025	SF	1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen	44.43	8.59
		For Painted Steel, Add	*1.71*	
		For Galvanized Steel, Add	*5.12*	
		For Aluminum, Add	*10.24*	
		For Stainless Steel, Add	*42.65*	
08 56 56 00-0026	SF	1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	51.59	10.31
		For Painted Steel, Add	*1.95*	
		For Galvanized Steel, Add	*5.85*	
		For Aluminum, Add	*11.70*	
		For Stainless Steel, Add	*48.74*	
08 56 56 00-0027	SF	3/4" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	57.41	12.60
		For Painted Steel, Add	*2.13*	
		For Galvanized Steel, Add	*6.38*	
		For Aluminum, Add	*12.76*	
		For Stainless Steel, Add	*53.15*	
08 56 56 00-0028	SF	3/4" #9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	66.90	14.89
		For Painted Steel, Add	*2.43*	
		For Galvanized Steel, Add	*7.29*	
		For Aluminum, Add	*14.57*	
		For Stainless Steel, Add	*60.71*	
08 56 56 00-0029	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	62.22	14.32
		For Painted Steel, Add	*2.25*	
		For Galvanized Steel, Add	*6.76*	
		For Aluminum, Add	*13.51*	
		For Stainless Steel, Add	*56.30*	
08 56 56 00-0030	SF	3 Lb./SF, Expanded Metal, Inoperable, Steel Security Window Screen	78.40	18.33
		For Painted Steel, Add	*2.83*	
		For Galvanized Steel, Add	*8.50*	
		For Aluminum, Add	*16.99*	
		For Stainless Steel, Add	*70.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0031		**Expanded Metal, Operable, Security Screen** *(08 56 56 00-0023)*		
08 56 56 00-0032	SF	1/4" #18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	40.55	10.31
		For Painted Steel, Add	*1.40*	
		For Galvanized Steel, Add	*4.19*	
		For Aluminum, Add	*8.39*	
		For Stainless Steel, Add	*34.94*	
08 56 56 00-0033	SF	1/2" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	70.52	12.60
		For Painted Steel, Add	*2.78*	
		For Galvanized Steel, Add	*8.34*	
		For Aluminum, Add	*16.69*	
		For Stainless Steel, Add	*69.54*	
08 56 56 00-0034	SF	3/4" #13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	77.85	14.32
		For Painted Steel, Add	*3.03*	
		For Galvanized Steel, Add	*9.10*	
		For Aluminum, Add	*18.20*	
		For Stainless Steel, Add	*75.84*	
08 56 56 00-0035	SF	1-1/2" #9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	83.67	16.03
		For Painted Steel, Add	*3.21*	
		For Galvanized Steel, Add	*9.63*	
		For Aluminum, Add	*19.26*	
		For Stainless Steel, Add	*80.25*	
08 56 56 00-0036	SF	3/4" #9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	90.97	18.33
		For Painted Steel, Add	*3.46*	
		For Galvanized Steel, Add	*10.38*	
		For Aluminum, Add	*20.76*	
		For Stainless Steel, Add	*86.51*	
08 56 56 00-0037	SF	3 Lb./SF, Expanded Metal, Operable, Steel Security Window Screen	104.72	20.04
		For Painted Steel, Add	*4.03*	
		For Galvanized Steel, Add	*12.10*	
		For Aluminum, Add	*24.20*	
		For Stainless Steel, Add	*100.84*	
08 56 56 00-0038		**Perforated Metal Security Screen** *(08 56 56)*		
08 56 56 00-0039		**Perforated Metal, Inoperable, Steel Security Window Screen** *(08 56 56 00-0038)*		
08 56 56 00-0040	SF	22 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	40.82	5.16
		For Painted Steel, Add	*1.70*	
		For Galvanized Steel, Add	*5.09*	
		For Aluminum, Add	*10.19*	
		For Stainless Steel, Add	*33.95*	
08 56 56 00-0041	SF	20 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	42.16	5.16
		For Painted Steel, Add	*1.76*	
		For Galvanized Steel, Add	*5.29*	
		For Aluminum, Add	*10.59*	
		For Stainless Steel, Add	*35.29*	
08 56 56 00-0042	SF	18 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	46.70	5.16
		For Painted Steel, Add	*1.99*	
		For Galvanized Steel, Add	*5.97*	
		For Aluminum, Add	*11.95*	
		For Stainless Steel, Add	*39.83*	
08 56 56 00-0043	SF	16 Gauge Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	55.27	5.16
		For Painted Steel, Add	*2.42*	
		For Galvanized Steel, Add	*7.26*	
		For Aluminum, Add	*14.52*	
		For Stainless Steel, Add	*48.40*	
08 56 56 00-0044		**Perforated Metal, Operable, Steel Security Window Screen** *(08 56 56 00-0038)*		
08 56 56 00-0045	SF	22 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	57.39	6.30
		For Painted Steel, Add	*2.41*	
		For Galvanized Steel, Add	*7.23*	
		For Aluminum, Add	*14.47*	
		For Stainless Steel, Add	*48.23*	
08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	59.75	6.30
		For Painted Steel, Add	*2.53*	
		For Galvanized Steel, Add	*7.59*	
		For Aluminum, Add	*15.18*	
		For Stainless Steel, Add	*50.59*	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	65.63	6.30
		For Painted Steel, Add	*2.82*	
		For Galvanized Steel, Add	*8.47*	
		For Aluminum, Add	*16.94*	
		For Stainless Steel, Add	*56.47*	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	77.90	6.30
		For Painted Steel, Add	*3.44*	
		For Galvanized Steel, Add	*10.31*	
		For Aluminum, Add	*20.62*	
		For Stainless Steel, Add	*68.74*	
08 56 56 00-0049		**Removal And Reinstallation Of Security Screens And Guards** *(08 56 56)*		
08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens	14.43	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 59		**Service and Teller Window Units** *(08 56)*		
08 56 59 00-0001		Communicator For Window *(08 56 59)*		
08 56 59 00-0002	EA	Electronic Two-Way Talk-thru Hands-Free Audio Communicator (Haven SC-350) Note: Communicator is designed for applications where a fire shutter or window shade is present. Two-way communication is accomplished through the use of speakers and micro-phones located on each side of the partition. The Master unit is equipped with a 15" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote Unit is window-mounted and may incorporate a level 3 bullet-resistive insert.	2,711.51	229.07
08 56 59 00-0003	EA	Electronic Two-Way Audio Communicator (Haven SC-300) Note: Communicator is designed for application where a cutout in the barrier is impractical. Two-way communication is accomplished through the use of speakers and microphones located on each side of the partition. The master unit is equipped with a 20" gooseneck microphone, power on/off switch, power-on LED, and external volume controls. The Remote unit is vandal-resistant with all controls located within the housing.	2,358.56	229.07
08 56 59 00-0004	EA	Electronic Two-Way Talk-Thru Communication System (Norcon TTU-1)	2,138.99	229.07
08 56 59 00-0005		Speak-Thru Communicator For Window *(08 56 59)*		
08 56 59 00-0006	EA	5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru (CRL 834A) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	163.66	
08 56 59 00-0007	EA	6-3/16" Diameter, Polished Stainless Steel, No-Draft Speak-Thru (Brixwell 834LPS) Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	240.10	
08 56 59 00-0008		Counter Drop-In Deal Tray *(08 56 59)*		
08 56 59 00-0009	EA	16" Wide x 10" Deep x 1-9/16" High, Brushed Stainless Steel, Standard Drop-In Deal Tray (CRL CTDB16)	454.30	50.35
08 60		**Roof Windows and Skylights** *(08)* Note: Includes hardware, caulk, sealant and necessary anchors.		
08 62		**Unit Skylights** *(08 60)*		
08 62 23		**Tubular Skylights** *(08 62)*		
08 62 23 00-0001		Aluminum Framed Solar Tube Skylights *(08 62 23)* Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.		
08 62 23 00-0002		31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*		
08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,338.92	192.56
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,056.49*	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,414.94	197.38
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,057.46*	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,488.75	202.18
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,058.42*	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,593.53	207.00
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,059.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,685.05	211.82
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,060.34*	
08 62 23 00-0008	EA	7' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,758.85	216.63
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,061.31*	
08 62 23 00-0009	EA	8' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,832.65	221.44
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,062.27*	
08 62 23 00-0010	EA	9' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,955.14	226.26
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,063.23*	
08 62 23 00-0011	EA	10' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,028.95	231.07
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,064.20*	
08 62 23 00-0012	EA	11' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,104.97	235.89
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,065.16*	
08 62 23 00-0013	EA	12' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,178.77	240.71
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,066.12*	
08 62 23 00-0014	EA	13' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,301.26	245.51
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,067.08*	
08 62 23 00-0015	EA	14' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,375.07	250.33
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,068.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0016	EA	15' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,448.88	255.14
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,069.01*	
08 62 23 00-0017	EA	16' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,522.67	259.96
		For Class 3 Hail Rated, Add	*4.00*	
		For Polycarbonate Diffuser Lens, Add	*7.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*20.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*49.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*69.00*	
		For Single Blade Louver, Add	*1,069.97*	

08 62 23 00-0018 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0019	EA	2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,637.68	192.56
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,056.49*	
08 62 23 00-0020	EA	3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,742.47	197.38
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,057.46*	
08 62 23 00-0021	EA	4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,847.26	202.18
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,058.42*	
08 62 23 00-0022	EA	5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	1,952.04	207.00
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,059.38*	
08 62 23 00-0023	EA	6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,123.22	211.82
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,060.34*	
08 62 23 00-0024	EA	7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,228.00	216.63
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,061.31*	
08 62 23 00-0025	EA	8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,332.79	221.44
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,062.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0026	EA	9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,503.96	226.26
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,063.23*	
08 62 23 00-0027	EA	10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,608.76	231.07
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,064.20*	
08 62 23 00-0028	EA	11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,713.55	235.89
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,065.16*	
08 62 23 00-0029	EA	12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,818.33	240.71
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,066.12*	
08 62 23 00-0030	EA	13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,989.51	245.51
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,067.08*	
08 62 23 00-0031	EA	14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,094.30	250.33
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,068.05*	
08 62 23 00-0032	EA	15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,199.09	255.14
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,069.01*	
08 62 23 00-0033	EA	16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,303.86	259.96
		For Class 3 Hail Rated, Add	*5.00*	
		For Polycarbonate Diffuser Lens, Add	*8.00*	
		For High Velocity Hurricane Zone Rated, Add	*14.00*	
		For FM Approved, Add	*22.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*50.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*86.00*	
		For Single Blade Louver, Add	*1,069.97*	

08 62 23 00-0034 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights *(08 62 23 00-0001)*

08 62 23 00-0035	EA	2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,201.45	216.63
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,061.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0036	EA	3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,348.28	221.44
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,062.27*	
08 62 23 00-0037	EA	4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,497.32	226.26
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,063.23*	
08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,644.17	231.07
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,064.20*	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	2,879.52	235.89
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,065.16*	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,026.35	240.71
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,066.12*	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,173.19	245.51
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,067.08*	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,410.76	250.33
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,068.05*	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,557.59	255.14
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,069.01*	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,704.42	259.96
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,069.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	3,851.25	264.77
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,070.93*	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,086.61	269.58
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,071.90*	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,233.44	274.40
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,072.86*	
08 62 23 00-0048	EA	15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,382.48	279.22
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,073.82*	
08 62 23 00-0049	EA	16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight	4,529.32	284.02
		For Class 3 Hail Rated, Add	*10.00*	
		For Polycarbonate Diffuser Lens, Add	*14.00*	
		For High Velocity Hurricane Zone Rated, Add	*22.00*	
		For FM Approved, Add	*36.00*	
		For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add	*95.00*	
		For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add	*145.00*	
		For Single Blade Louver, Add	*1,074.79*	

08 63 Metal-Framed Skylights *(08 60)*

08 63 13 Domed Metal-Framed Skylights *(08 63)*

08 63 13 00-0001 Domed Aluminum Framed Skylights *(08 63 13)*

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0002)*

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	865.10	129.98
08 63 13 00-0006	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,040.20	139.60
08 63 13 00-0007	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,402.60	154.05
08 63 13 00-0008	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,573.79	163.67
08 63 13 00-0009	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,100.80	139.60
08 63 13 00-0010	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,361.50	154.05
08 63 13 00-0011	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,476.24	163.67
08 63 13 00-0012	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,672.91	173.31
08 63 13 00-0013	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,937.76	187.75
08 63 13 00-0014	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,386.73	163.67
08 63 13 00-0015	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,499.65	168.49
08 63 13 00-0016	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,682.80	173.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0017	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,819.12	178.12
08 63 13 00-0018	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,005.93	192.56
08 63 13 00-0019	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,241.62	202.18
08 63 13 00-0020	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,635.97	173.31
08 63 13 00-0021	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,778.02	182.93
08 63 13 00-0022	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,000.19	187.75
08 63 13 00-0023	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,120.91	197.38
08 63 13 00-0024	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,434.67	207.00

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,060.22	129.98
08 63 13 00-0027	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,231.42	139.60
08 63 13 00-0028	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,554.79	154.05
08 63 13 00-0029	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,729.88	163.67
08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,241.29	139.60
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,470.77	154.05
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,593.30	163.67
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,805.59	173.31
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,015.80	187.75
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,496.00	163.67
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,624.52	168.49
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,749.13	173.31
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,893.27	178.12
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,044.95	192.56
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,284.55	202.18
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,764.74	173.31
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,918.51	182.93
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,082.14	187.75
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,210.67	197.38
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,493.21	207.00

08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,075.83	129.98
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,262.63	139.60
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,597.72	154.05
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,280.31	139.60
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,525.40	154.05
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,636.23	163.67
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,852.42	173.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,531.12	163.67
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,655.74	168.49
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,799.86	173.31
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,944.00	178.12
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,107.39	192.56
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,811.57	173.31
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,980.94	182.93
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,144.58	187.75
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,273.10	197.38

08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights *(08 63 13 00-0003)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,103.14	129.98
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,305.56	139.60
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,636.74	154.05
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,870.37	163.67
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,319.33	139.60
08 63 13 00-0069	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,560.52	154.05
08 63 13 00-0070	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,675.25	163.67
08 63 13 00-0071	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,910.95	173.31
08 63 13 00-0072	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,574.04	163.67
08 63 13 00-0073	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,698.67	168.49
08 63 13 00-0074	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,854.50	173.31
08 63 13 00-0075	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,002.53	178.12
08 63 13 00-0076	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,169.83	192.56
08 63 13 00-0077	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	1,870.11	173.31
08 63 13 00-0078	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,039.48	182.93
08 63 13 00-0079	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,207.02	187.75
08 63 13 00-0080	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight	2,343.35	197.38

08 63 13 00-0081 Curb Top Inserts *(08 63 13 00-0003)*

Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.

08 63 13 00-0082 Single Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0083	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	272.23	62.58
08 63 13 00-0084	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	360.47	72.21
08 63 13 00-0085	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	580.96	96.28
08 63 13 00-0086	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	536.97	86.65
08 63 13 00-0087	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert	642.92	96.28

08 63 13 00-0088 Double Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0089	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	362.96	62.58
08 63 13 00-0090	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	535.30	72.21
08 63 13 00-0091	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	897.42	96.28
08 63 13 00-0092	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	873.35	86.65
08 63 13 00-0093	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert	1,081.09	96.28

08 63 13 00-0094 Triple Glazed, Aluminum Framed Curb Top Inserts *(08 63 13 00-0081)*

08 63 13 00-0095	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	451.48	62.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0096	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	701.28	72.21
08 63 13 00-0097	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,286.90	96.28
08 63 13 00-0098	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,187.59	86.65
08 63 13 00-0099	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert	1,488.29	96.28
08 63 13 00-0100		**Pyramid Style Fixed Dome, Aluminum Framed Skylights** *(08 63 13 00-0002)*		
08 63 13 00-0101		**Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight** *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	794.86	129.98
08 63 13 00-0103	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	991.54	139.60
08 63 13 00-0104	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,277.47	163.67
08 63 13 00-0105	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,593.04	173.31
08 63 13 00-0106		**Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight** *(08 63 13 00-0100)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,099.24	129.98
08 63 13 00-0108	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,303.72	139.60
08 63 13 00-0109	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,562.34	163.67
08 63 13 00-0110	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight	1,854.50	173.31
08 63 13 00-0111		**Double Hip Style Fixed Dome, Aluminum Framed Skylights** *(08 63 13 00-0002)*		
08 63 13 00-0112		**Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight** *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	939.25	129.98
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,285.54	154.05
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,511.36	163.67
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,213.22	154.05
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,324.05	163.67
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,587.06	173.31
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,855.81	187.75
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,394.29	168.49
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,530.61	173.31
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,678.64	178.12
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,834.23	192.56
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,155.77	202.18
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,735.10	182.93
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,941.66	187.75
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,081.89	197.38
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,391.75	207.00
08 63 13 00-0129		**Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight** *(08 63 13 00-0111)*		
		Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,071.92	129.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,250.93	139.60
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,574.31	154.05
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,268.60	139.60
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,398.95	149.24
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,501.99	154.05
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,612.82	163.67
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,832.91	173.31
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,515.51	168.49
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,640.13	168.49
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,776.45	173.31
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,916.68	178.12
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,076.17	192.56
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,784.26	173.31
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,953.63	182.93
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,113.36	187.75
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,237.98	197.38

08 63 13 00-0147 Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight *(08 63 13 00-0111)*

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,239.22	139.60
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,625.04	154.05
08 63 13 00-0150	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,544.91	154.05
08 63 13 00-0151	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,663.55	163.67
08 63 13 00-0152	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,895.34	173.31
08 63 13 00-0153	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,686.96	168.49
08 63 13 00-0154	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,834.99	173.31
08 63 13 00-0155	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	1,986.92	178.12
08 63 13 00-0156	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,138.61	192.56
08 63 13 00-0157	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,023.87	182.93
08 63 13 00-0158	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,191.41	187.75
08 63 13 00-0159	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight	2,323.83	197.38

08 63 13 00-0160 Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0001)*

08 63 13 00-0161 Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0160)*

Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.

08 63 13 00-0162 Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*

08 63 13 00-0163 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*

08 63 13 00-0164	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,135.58	192.56
08 63 13 00-0165	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,761.20	182.93
08 63 13 00-0166	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,397.03	192.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0167		25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0168	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,692.59	192.56
08 63 13 00-0169	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,333.82	182.93
08 63 13 00-0170	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,047.70	192.56
08 63 13 00-0171		30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0162)*		
08 63 13 00-0172	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,141.36	192.56
08 63 13 00-0173	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,774.78	182.93
08 63 13 00-0174	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,488.66	192.56
08 63 13 00-0175		Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0161)*		
08 63 13 00-0176		10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0177	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,158.99	192.56
08 63 13 00-0178	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	4,784.61	182.93
08 63 13 00-0179	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 10 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	5,432.15	192.56
08 63 13 00-0180		25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0181	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,723.81	192.56
08 63 13 00-0182	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,357.24	182.93
08 63 13 00-0183	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 25 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,086.73	192.56
08 63 13 00-0184		30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights *(08 63 13 00-0175)*		
08 63 13 00-0185	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,164.77	192.56
08 63 13 00-0186	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,798.20	182.93
08 63 13 00-0187	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, 30 Lb. Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,527.69	192.56

08 66 Wood-Framed Skylights *(08 60)*

08 66 00 00-0001		Wood-Framed Skylights (Andersen 400 Series) *(08 66)*		
08 66 00 00-0002	EA	16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	795.64	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*115.50*	
		For Aluminum Shingle Flashing, Add	*92.40*	
08 66 00 00-0003	EA	16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	814.50	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*120.22*	
		For Aluminum Shingle Flashing, Add	*96.17*	
08 66 00 00-0004	EA	24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	769.72	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*109.02*	
		For Aluminum Shingle Flashing, Add	*87.22*	
08 66 00 00-0005	EA	24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	828.64	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*123.75*	
		For Aluminum Shingle Flashing, Add	*99.00*	
08 66 00 00-0006	EA	24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	878.14	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*136.13*	
		For Aluminum Shingle Flashing, Add	*108.90*	
08 66 00 00-0007	EA	24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	958.29	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0008	EA	24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,059.65	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*181.50*	
		For Aluminum Shingle Flashing, Add	*145.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 66 00 00-0009	EA	27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	769.72	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*109.02*	
		For Aluminum Shingle Flashing, Add	*87.22*	
08 66 00 00-0010	EA	28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	889.93	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*139.07*	
		For Aluminum Shingle Flashing, Add	*111.26*	
08 66 00 00-0011	EA	28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	958.29	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0012	EA	28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,036.07	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*175.61*	
		For Aluminum Shingle Flashing, Add	*140.49*	
08 66 00 00-0013	EA	28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,139.79	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*201.54*	
		For Aluminum Shingle Flashing, Add	*161.23*	
08 66 00 00-0014	EA	38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	795.64	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*115.50*	
		For Aluminum Shingle Flashing, Add	*92.40*	
08 66 00 00-0015	EA	38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	828.64	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*123.75*	
		For Aluminum Shingle Flashing, Add	*99.00*	
08 66 00 00-0016	EA	38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	889.93	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*139.07*	
		For Aluminum Shingle Flashing, Add	*111.26*	
08 66 00 00-0017	EA	44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,106.79	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*193.29*	
		For Aluminum Shingle Flashing, Add	*154.63*	
08 66 00 00-0018	EA	46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	814.50	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*120.22*	
		For Aluminum Shingle Flashing, Add	*96.17*	
08 66 00 00-0019	EA	46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	878.14	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*136.13*	
		For Aluminum Shingle Flashing, Add	*108.90*	
08 66 00 00-0020	EA	46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	958.29	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0021	EA	46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,106.79	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*193.29*	
		For Aluminum Shingle Flashing, Add	*154.63*	
08 66 00 00-0022	EA	57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	958.29	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*156.16*	
		For Aluminum Shingle Flashing, Add	*124.93*	
08 66 00 00-0023	EA	57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,036.07	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*175.61*	
		For Aluminum Shingle Flashing, Add	*140.49*	
08 66 00 00-0024	EA	72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,059.65	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*181.50*	
		For Aluminum Shingle Flashing, Add	*145.20*	
08 66 00 00-0025	EA	72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,139.79	166.82
		For Tempered Laminated Low-E Insulated Glass, Add	*201.54*	
		For Aluminum Shingle Flashing, Add	*161.23*	

08 70 Hardware *(08)*

08 71 Door Hardware *(08 70)*

08 71 11 Door Hardware *(08 71)*

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of exisiting door where required for modifications.

08 71 11 00-0001 Hinges *(08 71 11)*

Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.

08 71 11 00-0002 Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0001)*

Note: US26D (BHMA 626) satin chrome finish.

08 71 11 00-0003 Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0004	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	96.18	9.34
		For Clear Coated Bright Brass, Add	*6.55*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0005	PR	4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	105.47	13.35
		For Clear Coated Bright Brass, Add	*7.29*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0006	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	119.82	14.68
		For Clear Coated Bright Brass, Add	*6.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0007 Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0008	PR	3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	110.40	9.34
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0009	PR	4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	126.76	13.35
		For Clear Coated Bright Brass, Add	*8.41*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0010	PR	4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	129.32	14.68
		For Clear Coated Bright Brass, Add	*7.43*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0011	PR	5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	151.05	17.35
		For Clear Coated Bright Brass, Add	*8.69*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0012	PR	5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	151.99	17.35
		For Clear Coated Bright Brass, Add	*8.82*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0013	PR	6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	162.80	22.29
		For Clear Coated Bright Brass, Add	*10.34*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0014 Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0015	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	124.87	9.34
08 71 11 00-0016	PR	4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	141.22	13.35
08 71 11 00-0017	PR	4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	145.05	14.68
08 71 11 00-0018	PR	5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	168.40	17.35

08 71 11 00-0019 Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0020	PR	4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	160.88	14.68
		For Clear Coated Bright Brass, Add	*11.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0021	PR	5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	182.88	17.35
		For Clear Coated Bright Brass, Add	*13.15*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0022	PR	5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	202.76	17.35
		For Clear Coated Bright Brass, Add	*15.93*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0023 Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges *(08 71 11 00-0002)*

Note: Set into mortised edge of the door and surface applied to the face of the frame.

08 71 11 00-0024	PR	4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	164.81	14.68
		For Clear Coated Bright Brass, Add	*12.40*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0025	PR	5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge	194.07	17.35
		For Clear Coated Bright Brass, Add	*14.71*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0026 Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge *(08 71 11 00-0002)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0027	PR	4-1/2" x 4-1/2" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	160.05	14.68
		For Clear Coated Bright Brass, Add	*11.73*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0028	PR	5" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	185.05	22.29
		For Clear Coated Bright Brass, Add	*13.45*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0029	PR	6" x 5" Heavy-Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge	219.20	22.29
		For Clear Coated Bright Brass, Add	*18.23*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0030 Mortised, Wrought Steel Hinges *(08 71 11 00-0001)*

Note: Clear coated, US 26D satin chrome finish (BHMA 652).

08 71 11 00-0031 Full Mortise, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0032	PR	3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	69.33	9.34
		For Primed For Paint Finish, Deduct	*-3.79*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.37*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-2.28*	
		For Stainless Steel, Add	*10.43*	
		For Heavy-Duty, Add	*2.85*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0033 PR 4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	87.66	13.35
For Primed For Paint Finish, Deduct	*-4.19*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*2.62*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-2.51*	
For Stainless Steel, Add	*11.52*	
For Heavy-Duty, Add	*3.14*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0034 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge	101.78	14.68
For Primed For Paint Finish, Deduct	*-5.10*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*3.19*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-3.06*	
For Stainless Steel, Add	*14.04*	
For Heavy-Duty, Add	*3.83*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0035 Full Mortise, Ball Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.

08 71 11 00-0036 PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	119.52	9.34
For Primed For Paint Finish, Deduct	*-13.83*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*8.65*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-8.30*	
For Stainless Steel, Add	*38.04*	
For Heavy-Duty, Add	*10.37*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0037 PR 4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	145.04	13.35
For Primed For Paint Finish, Deduct	*-15.66*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*9.79*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-9.40*	
For Stainless Steel, Add	*43.08*	
For Heavy-Duty, Add	*11.75*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0038 PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	117.67	14.68
For Primed For Paint Finish, Deduct	*-8.28*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*5.18*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-4.97*	
For Stainless Steel, Add	*22.78*	
For Heavy-Duty, Add	*6.21*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0039 PR 5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	203.47	17.35
For Primed For Paint Finish, Deduct	*-22.90*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*14.31*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-13.74*	
For Stainless Steel, Add	*62.98*	
For Heavy-Duty, Add	*17.18*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0040 PR 5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	219.63	17.35
For Primed For Paint Finish, Deduct	*-26.13*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*16.33*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-15.68*	
For Stainless Steel, Add	*71.86*	
For Heavy-Duty, Add	*19.60*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0041 PR 6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge	268.90	17.35
For Primed For Paint Finish, Deduct	*-35.99*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*22.49*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-21.59*	
For Stainless Steel, Add	*98.96*	
For Heavy-Duty, Add	*26.99*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

08 71 11 00-0042 Half Surface, Plain Bearing, Wrought Steel Hinges *(08 71 11 00-0030)*

Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.

08 71 11 00-0043 PR 3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	148.51	9.34
For Primed For Paint Finish, Deduct	*-19.63*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*12.27*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-11.78*	
For Stainless Steel, Add	*53.98*	
For Heavy-Duty, Add	*14.72*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0044 PR 4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	177.95	13.35
For Primed For Paint Finish, Deduct	*-22.25*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.90*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-13.35*	
For Stainless Steel, Add	*61.18*	
For Heavy-Duty, Add	*16.68*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0045 PR 4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	200.58	14.68
For Primed For Paint Finish, Deduct	*-24.86*	
For Bright Chrome Plated Finish US26 (BHMA 625), Add	*15.54*	
For Satin Brass Plated Clear Coated Finish, Deduct	*-14.92*	
For Stainless Steel, Add	*68.38*	
For Heavy-Duty, Add	*18.65*	
For Pair Of Non-Removable Pins (NRP), Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0046	PR	5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge	226.37	17.35
		For Primed For Paint Finish, Deduct	*-27.48*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.18*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-16.49*	
		For Stainless Steel, Add	*75.57*	
		For Heavy-Duty, Add	*20.61*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0047		**Half Surface, Ball Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0048	PR	4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	207.39	14.68
		For Primed For Paint Finish, Deduct	*-28.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*17.58*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-16.88*	
		For Stainless Steel, Add	*77.37*	
		For Heavy-Duty, Add	*21.10*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0049	PR	4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	231.92	14.68
		For Primed For Paint Finish, Deduct	*-31.13*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*19.46*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-18.68*	
		For Stainless Steel, Add	*85.61*	
		For Heavy-Duty, Add	*23.35*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0050	PR	5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge	268.90	17.35
		For Primed For Paint Finish, Deduct	*-35.99*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*22.49*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-21.59*	
		For Stainless Steel, Add	*98.96*	
		For Heavy-Duty, Add	*26.99*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0051		**Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0052	PR	4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge	161.78	14.68
		For Primed For Paint Finish, Deduct	*-17.10*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.69*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-10.26*	
		For Stainless Steel, Add	*47.04*	
		For Heavy-Duty, Add	*12.83*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0053		**Blank Butt Hinges** *(08 71 11 00-0030)*		
08 71 11 00-0054	PR	3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge	34.75	6.00
		For Primed For Paint Finish, Deduct	*-2.18*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*1.36*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-1.31*	
		For Stainless Steel, Add	*5.99*	
		For Heavy-Duty, Add	*1.63*	
		For Pair Of Non-Removable Pins (NRP), Add	*6.00*	
08 71 11 00-0055		**Full Mortise, Single Acting Spring, Wrought Steel Hinges** *(08 71 11 00-0030)*		
		Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0056	PR	3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	132.04	9.34
		For Primed For Paint Finish, Deduct	*-16.34*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*10.21*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-9.80*	
		For Stainless Steel, Add	*44.92*	
08 71 11 00-0057	PR	4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge	173.57	13.35
		For Primed For Paint Finish, Deduct	*-21.37*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*13.36*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-12.82*	
		For Stainless Steel, Add	*58.77*	
08 71 11 00-0058	PR	4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge	233.43	14.68
		For Primed For Paint Finish, Deduct	*-31.43*	
		For Bright Chrome Plated Finish US26 (BHMA 625), Add	*19.65*	
		For Satin Brass Plated Clear Coated Finish, Deduct	*-18.86*	
		For Stainless Steel, Add	*86.44*	
08 71 11 00-0059		**Offset And Pivot Hinges** *(08 71 11 00-0001)*		
		Note: Satin chrome plated, US26D.		
08 71 11 00-0060		**Offset Swing Clear Hinges** *(08 71 11 00-0059)*		
		Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0061	EA	4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges	193.11	4.16
08 71 11 00-0062		**Offset Pivot Hinges** *(08 71 11 00-0059)*		
08 71 11 00-0063		**3/4" Offset Pivot Hinges** *(08 71 11 00-0062)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0064		3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0065		Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0066		200 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0067	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	159.84	13.35
08 71 11 00-0068	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	214.32	13.35
08 71 11 00-0069	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	244.59	13.35
08 71 11 00-0070	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	244.59	13.35
08 71 11 00-0071	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	244.59	13.35
08 71 11 00-0072	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	244.59	13.35
08 71 11 00-0073	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top)	244.59	13.35
08 71 11 00-0074	EA	Painted Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	175.58	13.35
08 71 11 00-0075	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	222.81	13.35
08 71 11 00-0076	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.27	13.35
08 71 11 00-0077	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.27	13.35
08 71 11 00-0078	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.27	13.35
08 71 11 00-0079	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.27	13.35
08 71 11 00-0080	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top)	254.27	13.35
08 71 11 00-0081	EA	Painted Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	159.84	13.35
08 71 11 00-0082	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	214.32	13.35
08 71 11 00-0083	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	244.59	13.35
08 71 11 00-0084	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	244.59	13.35
08 71 11 00-0085	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	244.59	13.35
08 71 11 00-0086	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	244.59	13.35
08 71 11 00-0087	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top)	244.59	13.35
08 71 11 00-0088		500 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0089	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	166.51	16.69
08 71 11 00-0090	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	220.99	16.69
08 71 11 00-0091	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.26	16.69
08 71 11 00-0092	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.26	16.69
08 71 11 00-0093	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.26	16.69
08 71 11 00-0094	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.26	16.69
08 71 11 00-0095	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top)	251.26	16.69
08 71 11 00-0096		600 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0097	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	166.51	16.69
08 71 11 00-0098	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	220.99	16.69
08 71 11 00-0099	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.26	16.69
08 71 11 00-0100	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.26	16.69
08 71 11 00-0101	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.26	16.69
08 71 11 00-0102	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.26	16.69
08 71 11 00-0103	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top)	251.26	16.69
08 71 11 00-0104		700 Lb. Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0065)*		
08 71 11 00-0105	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	166.51	16.69
08 71 11 00-0106	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	220.99	16.69
08 71 11 00-0107	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.26	16.69
08 71 11 00-0108	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.26	16.69
08 71 11 00-0109	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.26	16.69
08 71 11 00-0110	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.26	16.69
08 71 11 00-0111	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top)	251.26	16.69
08 71 11 00-0112		Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0113		200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0114	EA	Painted Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	198.57	13.35
08 71 11 00-0115	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	244.59	13.35
08 71 11 00-0116	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.27	13.35
08 71 11 00-0117	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.27	13.35
08 71 11 00-0118	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.27	13.35
08 71 11 00-0119	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.27	13.35
08 71 11 00-0120	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT)	277.27	13.35
08 71 11 00-0121		500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0122	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	220.99	16.69
08 71 11 00-0123	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	235.51	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0124	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	260.94	16.69
08 71 11 00-0125	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	260.94	16.69
08 71 11 00-0126	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	260.94	16.69
08 71 11 00-0127	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	260.94	16.69
08 71 11 00-0128	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT)	260.94	16.69
08 71 11 00-0129		600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0130	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	220.99	16.69
08 71 11 00-0131	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	235.51	16.69
08 71 11 00-0132	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	260.94	16.69
08 71 11 00-0133	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	260.94	16.69
08 71 11 00-0134	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	260.94	16.69
08 71 11 00-0135	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	260.94	16.69
08 71 11 00-0136	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT)	260.94	16.69
08 71 11 00-0137		700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0112)*		
08 71 11 00-0138	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	220.99	16.69
08 71 11 00-0139	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	235.51	16.69
08 71 11 00-0140	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	260.94	16.69
08 71 11 00-0141	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	260.94	16.69
08 71 11 00-0142	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	260.94	16.69
08 71 11 00-0143	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	260.94	16.69
08 71 11 00-0144	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT)	260.94	16.69
08 71 11 00-0145		Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0064)*		
08 71 11 00-0146		200 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0147	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	175.58	13.35
08 71 11 00-0148	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	222.81	13.35
08 71 11 00-0149	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.27	13.35
08 71 11 00-0150	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.27	13.35
08 71 11 00-0151	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.27	13.35
08 71 11 00-0152	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	316.11	13.35
08 71 11 00-0153	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM)	254.27	13.35
08 71 11 00-0154	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	175.58	13.35
08 71 11 00-0155	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	222.81	13.35
08 71 11 00-0156	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.27	13.35
08 71 11 00-0157	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.27	13.35
08 71 11 00-0158	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.27	13.35
08 71 11 00-0159	EA	Dark Bronze Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.27	13.35
08 71 11 00-0160	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM)	254.27	13.35
08 71 11 00-0161	EA	Painted Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	152.59	13.35
08 71 11 00-0162	EA	Satin Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	207.07	13.35
08 71 11 00-0163	EA	Bright Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.53	13.35
08 71 11 00-0164	EA	Satin Brass Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.53	13.35
08 71 11 00-0165	EA	Satin Bronze Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.53	13.35
08 71 11 00-0166	EA	Dark Bronze Finish, 200 Lb. Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.53	13.35
08 71 11 00-0167	EA	Bright Chrome Finish, 200 Lb. Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM)	238.53	13.35
08 71 11 00-0168		500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0169	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	267.00	16.69
08 71 11 00-0170	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	283.94	16.69
08 71 11 00-0171	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	283.94	16.69
08 71 11 00-0172	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	283.94	16.69
08 71 11 00-0173	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	283.94	16.69
08 71 11 00-0174	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	283.94	16.69
08 71 11 00-0175	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM)	288.78	16.69
08 71 11 00-0176		600 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0177	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	229.48	16.69
08 71 11 00-0178	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	251.26	16.69
08 71 11 00-0179	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.00	16.69
08 71 11 00-0180	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.00	16.69
08 71 11 00-0181	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.00	16.69
08 71 11 00-0182	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.00	16.69
08 71 11 00-0183	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM)	267.00	16.69
08 71 11 00-0184		700 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges *(08 71 11 00-0145)*		
08 71 11 00-0185	EA	Painted Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	524.83	16.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0186	EA	Satin Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	563.56	16.69
08 71 11 00-0187	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.32	16.69
08 71 11 00-0188	EA	Satin Brass Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.32	16.69
08 71 11 00-0189	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.32	16.69
08 71 11 00-0190	EA	Dark Bronze Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.32	16.69
08 71 11 00-0191	EA	Bright Chrome Finish, 700 Lb. Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM)	625.32	16.69
08 71 11 00-0192		Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0063)*		
08 71 11 00-0193		Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0194		500 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0195	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	313.01	16.69
08 71 11 00-0196	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	369.88	16.69
08 71 11 00-0197	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	415.89	16.69
08 71 11 00-0198	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	415.89	16.69
08 71 11 00-0199	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top)	415.89	16.69
08 71 11 00-0200		600 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0201	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	313.01	16.69
08 71 11 00-0202	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	369.88	16.69
08 71 11 00-0203	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	415.89	16.69
08 71 11 00-0204	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	415.89	16.69
08 71 11 00-0205	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top)	415.89	16.69
08 71 11 00-0206		700 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0207	EA	Painted Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	313.01	16.69
08 71 11 00-0208	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	369.88	16.69
08 71 11 00-0209	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	415.89	16.69
08 71 11 00-0210	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	415.89	16.69
08 71 11 00-0211	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top)	415.89	16.69
08 71 11 00-0212		1,000 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0213	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	329.35	20.02
08 71 11 00-0214	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	376.56	20.02
08 71 11 00-0215	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	398.36	20.02
08 71 11 00-0216	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	398.36	20.02
08 71 11 00-0217	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top)	398.36	20.02
08 71 11 00-0218		1,750 Lb. Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0193)*		
08 71 11 00-0219	EA	Painted Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	329.35	20.02
08 71 11 00-0220	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	376.56	20.02
08 71 11 00-0221	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	398.36	20.02
08 71 11 00-0222	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	398.36	20.02
08 71 11 00-0223	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top)	398.36	20.02
08 71 11 00-0224		Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0225		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0226	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	322.67	16.69
08 71 11 00-0227	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	375.94	16.69
08 71 11 00-0228	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	391.68	16.69
08 71 11 00-0229	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	391.68	16.69
08 71 11 00-0230	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT)	391.68	16.69
08 71 11 00-0231		600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0232	EA	Painted Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	322.67	16.69
08 71 11 00-0233	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	375.94	16.69
08 71 11 00-0234	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	391.68	16.69
08 71 11 00-0235	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	391.68	16.69
08 71 11 00-0236	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT)	391.68	16.69
08 71 11 00-0237		700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0238	EA	Painted Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	322.67	16.69
08 71 11 00-0239	EA	Satin Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	375.94	16.69
08 71 11 00-0240	EA	Bright Stainless Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	391.68	16.69
08 71 11 00-0241	EA	Bright Brass Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	391.68	16.69
08 71 11 00-0242	EA	Satin Bronze Finish, 700 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT)	391.68	16.69
08 71 11 00-0243		1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0244	EA	Painted Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	360.84	20.02
08 71 11 00-0245	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	415.30	20.02
08 71 11 00-0246	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	429.82	20.02
08 71 11 00-0247	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	429.82	20.02
08 71 11 00-0248	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT)	429.82	20.02
08 71 11 00-0249		1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0224)*		
08 71 11 00-0250	EA	Painted Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	360.84	20.02
08 71 11 00-0251	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	415.30	20.02
08 71 11 00-0252	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	429.82	20.02
08 71 11 00-0253	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	429.82	20.02
08 71 11 00-0254	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT)	429.82	20.02
08 71 11 00-0255		Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0192)*		
08 71 11 00-0256		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0257	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	360.22	16.69
08 71 11 00-0258	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	446.16	16.69
08 71 11 00-0259	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	478.84	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0260	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	478.84	16.69
08 71 11 00-0261	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM)	478.84	16.69
08 71 11 00-0262		600 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0263	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	354.16	16.69
08 71 11 00-0264	EA	Satin Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	375.94	16.69
08 71 11 00-0265	EA	Bright Stainless Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	431.63	16.69
08 71 11 00-0266	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	431.63	16.69
08 71 11 00-0267	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM)	431.63	16.69
08 71 11 00-0268		1,000 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0269	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	406.83	20.02
08 71 11 00-0270	EA	Satin Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	452.84	20.02
08 71 11 00-0271	EA	Bright Stainless Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	469.78	20.02
08 71 11 00-0272	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	469.78	20.02
08 71 11 00-0273	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM)	469.78	20.02
08 71 11 00-0274		1,750 Lb. Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges *(08 71 11 00-0255)*		
08 71 11 00-0275	EA	Painted Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	577.52	20.02
08 71 11 00-0276	EA	Satin Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	616.26	20.02
08 71 11 00-0277	EA	Bright Stainless Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	632.00	20.02
08 71 11 00-0278	EA	Bright Brass Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	632.00	20.02
08 71 11 00-0279	EA	Satin Bronze Finish, 1,750 Lb. Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM)	632.00	20.02
08 71 11 00-0280		1-1/2" Offset Pivot Hinges *(08 71 11 00-0062)*		
08 71 11 00-0281		Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0280)*		
08 71 11 00-0282		Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0283		400 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0284	EA	Painted Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	369.88	16.69
08 71 11 00-0285	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	400.15	16.69
08 71 11 00-0286	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	423.14	16.69
08 71 11 00-0287	EA	Bright Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	423.14	16.69
08 71 11 00-0288	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top)	423.14	16.69
08 71 11 00-0289		500 Lb. Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0282)*		
08 71 11 00-0290	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	369.88	16.69
08 71 11 00-0291	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	400.15	16.69
08 71 11 00-0292	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	423.14	16.69
08 71 11 00-0293	EA	Bright Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	423.14	16.69
08 71 11 00-0294	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top)	423.14	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0295		Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0296		400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0297	EA	Painted Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	384.40	16.69
08 71 11 00-0298	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	431.63	16.69
08 71 11 00-0299	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	454.63	16.69
08 71 11 00-0300	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	454.63	16.69
08 71 11 00-0301	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT)	454.63	16.69
08 71 11 00-0302		500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0295)*		
08 71 11 00-0303	EA	Painted Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	384.40	16.69
08 71 11 00-0304	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	431.63	16.69
08 71 11 00-0305	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	454.63	16.69
08 71 11 00-0306	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	454.63	16.69
08 71 11 00-0307	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT)	454.63	16.69
08 71 11 00-0308		Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0281)*		
08 71 11 00-0309		400 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0310	EA	Painted Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	375.94	16.69
08 71 11 00-0311	EA	Satin Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	431.63	16.69
08 71 11 00-0312	EA	Bright Stainless Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	454.63	16.69
08 71 11 00-0313	EA	Bright Brass Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	454.63	16.69
08 71 11 00-0314	EA	Satin Bronze Finish, 400 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM)	454.63	16.69
08 71 11 00-0315		500 Lb. Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges *(08 71 11 00-0308)*		
08 71 11 00-0316	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	609.58	16.69
08 71 11 00-0317	EA	Satin Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	672.52	16.69
08 71 11 00-0318	EA	Bright Stainless Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	688.27	16.69
08 71 11 00-0319	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	688.27	16.69
08 71 11 00-0320	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM)	688.27	16.69
08 71 11 00-0321		Center Hung Pivot Hinges *(08 71 11 00-0059)*		
08 71 11 00-0322		Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0321)*		
08 71 11 00-0323		300 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0324	EA	Painted Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	191.32	13.35
08 71 11 00-0325	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.07	13.35
08 71 11 00-0326	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.07	13.35
08 71 11 00-0327	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.07	13.35
08 71 11 00-0328	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.07	13.35
08 71 11 00-0329	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.07	13.35
08 71 11 00-0330	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top)	207.07	13.35
08 71 11 00-0331		500 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges *(08 71 11 00-0322)*		
08 71 11 00-0332	EA	Painted Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	197.99	16.69
08 71 11 00-0333	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	213.74	16.69
08 71 11 00-0334	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	213.74	16.69
08 71 11 00-0335	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	213.74	16.69
08 71 11 00-0336	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	213.74	16.69
08 71 11 00-0337	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	213.74	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0338	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top)	213.74	16.69
08 71 11 00-0339		**600 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0322)*		
08 71 11 00-0340	EA	Painted Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	197.99	16.69
08 71 11 00-0341	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	213.74	16.69
08 71 11 00-0342	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	213.74	16.69
08 71 11 00-0343	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	213.74	16.69
08 71 11 00-0344	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	213.74	16.69
08 71 11 00-0345	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	213.74	16.69
08 71 11 00-0346	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	213.74	16.69
08 71 11 00-0347		**1,000 Lb. Max Door Weight, Top Mount, Center Hung Pivot Hinges** *(08 71 11 00-0322)*		
08 71 11 00-0348	EA	Painted Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	313.61	20.02
08 71 11 00-0349	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	366.90	20.02
08 71 11 00-0350	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	422.57	20.02
08 71 11 00-0351	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	422.57	20.02
08 71 11 00-0352	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	422.57	20.02
08 71 11 00-0353	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	422.57	20.02
08 71 11 00-0354	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	422.57	20.02
08 71 11 00-0355		**Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0321)*		
08 71 11 00-0356		**300 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0357	EA	Painted Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	145.31	13.35
08 71 11 00-0358	EA	Satin Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	168.33	13.35
08 71 11 00-0359	EA	Bright Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.32	13.35
08 71 11 00-0360	EA	Satin Brass Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.32	13.35
08 71 11 00-0361	EA	Satin Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.32	13.35
08 71 11 00-0362	EA	Dark Bronze Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.32	13.35
08 71 11 00-0363	EA	Bright Chrome Finish, 300 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	191.32	13.35
08 71 11 00-0364		**500 Lb. Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0365	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	213.74	16.69
08 71 11 00-0366	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	220.99	16.69
08 71 11 00-0367	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	220.99	16.69
08 71 11 00-0368	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	220.99	16.69
08 71 11 00-0369	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	220.99	16.69
08 71 11 00-0370	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	220.99	16.69
08 71 11 00-0371	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	220.99	16.69
08 71 11 00-0372	EA	Painted Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	213.74	16.69
08 71 11 00-0373	EA	Satin Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	220.99	16.69
08 71 11 00-0374	EA	Bright Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	220.99	16.69
08 71 11 00-0375	EA	Satin Brass Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	220.99	16.69
08 71 11 00-0376	EA	Satin Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	220.99	16.69
08 71 11 00-0377	EA	Dark Bronze Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	220.99	16.69
08 71 11 00-0378	EA	Bright Chrome Finish, 500 Lb. Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	220.99	16.69
08 71 11 00-0379		**600 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0380	EA	Painted Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	431.63	16.69
08 71 11 00-0381	EA	Satin Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	454.63	16.69
08 71 11 00-0382	EA	Bright Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	478.84	16.69
08 71 11 00-0383	EA	Satin Brass Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	478.84	16.69
08 71 11 00-0384	EA	Satin Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	478.84	16.69
08 71 11 00-0385	EA	Dark Bronze Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	478.84	16.69
08 71 11 00-0386	EA	Bright Chrome Finish, 600 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	478.84	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0387		**1,000 Lb. Max Door Weight, Bottom Mount, Center Hung Pivot Hinges** *(08 71 11 00-0355)*		
08 71 11 00-0388	EA	Painted Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	795.42	20.02
08 71 11 00-0389	EA	Satin Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	818.41	20.02
08 71 11 00-0390	EA	Bright Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	849.90	20.02
08 71 11 00-0391	EA	Satin Brass Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	849.90	20.02
08 71 11 00-0392	EA	Satin Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	849.90	20.02
08 71 11 00-0393	EA	Dark Bronze Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	849.90	20.02
08 71 11 00-0394	EA	Bright Chrome Finish, 1,000 Lb. Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	849.90	20.02
08 71 11 00-0395		**Continuous Barrel-Type Hinge** *(08 71 11 00-0001)*		
08 71 11 00-0396	LF	1-1/2" Wide, Steel, Continuous Barrel-Type Hinge	33.15	5.34
		For Stainless Steel, Add	*6.49*	
		For Brass Or Nickel, Add	*7.08*	
		For Aluminum, Add	*2.31*	
		For Medium Gauge, Deduct	*-2.36*	
08 71 11 00-0397	LF	2" Wide, Steel, Continuous Barrel-Type Hinge	33.94	5.34
		For Stainless Steel, Add	*6.92*	
		For Brass Or Nickel, Add	*7.55*	
		For Aluminum, Add	*2.47*	
		For Medium Gauge, Deduct	*-2.52*	
08 71 11 00-0398	LF	2-1/2" Wide, Steel, Continuous Barrel-Type Hinge	35.51	5.34
		For Stainless Steel, Add	*7.79*	
		For Brass Or Nickel, Add	*8.50*	
		For Aluminum, Add	*2.78*	
		For Medium Gauge, Deduct	*-2.83*	
08 71 11 00-0399	LF	3" Wide, Steel, Continuous Barrel-Type Hinge	37.29	5.34
		For Stainless Steel, Add	*8.77*	
		For Brass Or Nickel, Add	*9.56*	
		For Aluminum, Add	*3.12*	
		For Medium Gauge, Deduct	*-3.19*	
08 71 11 00-0400		**Continuous Geared Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0401	LF	Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053)	65.42	5.34
		For Bronze Finish, Add	*16.53*	
		For Heavy-Duty, Add	*11.78*	
08 71 11 00-0402	LF	Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057)	70.57	5.34
		For Bronze Finish, Add	*18.46*	
		For Heavy-Duty, Add	*13.15*	
08 71 11 00-0403	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112)	44.75	5.34
		For Bronze Finish, Add	*8.78*	
08 71 11 00-0404	LF	Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy-Duty (Roton 780-112HD)	52.22	5.34
		For Bronze Finish, Add	*11.58*	
08 71 11 00-0405		**Mortised, Primed Steel, Double Acting Spring Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0406	PR	2", Mortised, Primed Steel, Double Acting Spring Hinge	196.60	9.34
		For Satin Brass, Add	*35.97*	
08 71 11 00-0407	PR	3", Mortised, Primed Steel, Double Acting Spring Hinge	210.02	12.01
		For Satin Brass, Add	*35.99*	
08 71 11 00-0408	PR	4", Mortised, Primed Steel, Double Acting Spring Hinge	231.54	14.68
		For Satin Brass, Add	*37.95*	
08 71 11 00-0409	PR	5", Mortised, Primed Steel, Double Acting Spring Hinge	305.53	17.35
		For Satin Brass, Add	*52.51*	
08 71 11 00-0410	PR	6", Mortised, Primed Steel, Double Acting Spring Hinge	341.06	20.02
		For Satin Brass, Add	*57.83*	
08 71 11 00-0411	PR	7", Mortised, Primed Steel, Double Acting Spring Hinge	411.92	22.69
		For Satin Brass, Add	*71.64*	
08 71 11 00-0412	PR	8", Mortised, Primed Steel, Double Acting Spring Hinge	565.78	63.40
		For Satin Brass, Add	*105.36*	
08 71 11 00-0413		**Security Hinges** *(08 71 11 00-0001)*		
08 71 11 00-0414	EA	4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge	45.58	9.34
08 71 11 00-0415		**Concealed Circuit Electric Hinge Option** *(08 71 11 00-0001)*		
		Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.		
08 71 11 00-0416	EA	4 Wire Concealed Circuit Electric Hinge Option	315.77	
08 71 11 00-0417	EA	6 Wire Concealed Circuit Electric Hinge Option	372.81	
08 71 11 00-0418	EA	8 Wire Concealed Circuit Electric Hinge Option	429.86	
08 71 11 00-0419		**Hinge Filler Plates For Door Frames** *(08 71 11 00-0001)*		
08 71 11 00-0420	PR	Hinge Filler Plates For Door Frames	23.68	6.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0421		Door Trim *(08 71 11)*		
08 71 11 00-0422		Floor Stops, Wall Stops And Bumpers *(08 71 11 00-0421)*		
08 71 11 00-0423		Floor Stops *(08 71 11 00-0422)*		
08 71 11 00-0424		Aluminum Floor Stops *(08 71 11 00-0423)*		
08 71 11 00-0425	EA	1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430)	37.27	16.69
08 71 11 00-0426	EA	1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436)	41.16	16.69
08 71 11 00-0427	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438)	42.64	16.69
08 71 11 00-0428	EA	2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441)	65.21	16.69
08 71 11 00-0429	EA	3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448)	67.91	16.69
08 71 11 00-0430		Brass Floor Stops *(08 71 11 00-0423)*		
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	41.70	16.69
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.19	16.69
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.19	16.69
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	43.76	16.69
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	44.52	16.69
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	44.52	16.69
08 71 11 00-0437	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	44.52	16.69
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	42.64	16.69
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	44.89	16.69
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	44.89	16.69
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	45.77	16.69
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	46.52	16.69
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	46.52	16.69
08 71 11 00-0444	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	50.07	16.69
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	45.04	16.69
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	45.04	16.69
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	47.50	16.69
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	47.50	16.69
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	47.50	16.69
08 71 11 00-0450	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	47.50	16.69
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	46.74	16.69
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	46.74	16.69
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	49.13	16.69
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	49.13	16.69
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.13	16.69
08 71 11 00-0456	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.13	16.69
08 71 11 00-0457	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	67.39	16.69
08 71 11 00-0458	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	68.46	16.69
08 71 11 00-0459	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	71.03	16.69
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	73.13	16.69
08 71 11 00-0461	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	73.13	16.69
08 71 11 00-0462	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	81.65	16.69
08 71 11 00-0463	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	81.65	16.69
08 71 11 00-0464	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	78.50	16.69
08 71 11 00-0465	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	80.01	16.69
08 71 11 00-0466	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	80.01	16.69
08 71 11 00-0467	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	80.01	16.69
08 71 11 00-0468	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	80.01	16.69
08 71 11 00-0469	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	91.69	16.69
08 71 11 00-0470	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	91.69	16.69
08 71 11 00-0471	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	54.68	16.69
08 71 11 00-0472	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	56.63	16.69
08 71 11 00-0473	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	61.02	16.69
08 71 11 00-0474	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	61.02	16.69
08 71 11 00-0475	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	61.02	16.69
08 71 11 00-0476	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	62.33	16.69
08 71 11 00-0477		Steel Floor Stops *(08 71 11 00-0423)*		
08 71 11 00-0478	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	47.10	16.69
08 71 11 00-0479	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S) Note: Includes drilling. Excludes Grout.	119.36	16.69
08 71 11 00-0480	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L) Note: Includes drilling. Excludes Grout.	125.51	16.69
08 71 11 00-0481		Wall Stops *(08 71 11 00-0422)*		
08 71 11 00-0482		Aluminum Wall Stops *(08 71 11 00-0481)*		
08 71 11 00-0483	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	18.72	6.67
08 71 11 00-0484	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	27.30	10.01
08 71 11 00-0485		Brass Wall Stops *(08 71 11 00-0481)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	31.94	6.67
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	31.94	6.67
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	31.94	6.67
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	37.71	6.67
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	38.25	6.67
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	38.25	6.67
08 71 11 00-0492	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	38.25	6.67
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	88.76	10.01
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	90.79	10.01
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	90.79	10.01
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	90.79	10.01
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	90.79	10.01
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	90.79	10.01
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	74.44	10.01
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.42	10.01
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.42	10.01
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	85.42	10.01
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	85.42	10.01
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	88.03	10.01
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	88.03	10.01
08 71 11 00-0506	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	142.27	10.01
08 71 11 00-0507		**Steel Wall Stops** *(08 71 11 00-0481)*		
08 71 11 00-0508	EA	3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63)	14.47	6.67
08 71 11 00-0509		**Hinge Pin Door Stops** *(08 71 11 00-0422)*		
08 71 11 00-0510		**Aluminum Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0511	EA	Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70)	30.03	13.35
08 71 11 00-0512		**Brass Hinge Pin Door Stops** *(08 71 11 00-0509)*		
08 71 11 00-0513	EA	Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72)	30.66	13.35
08 71 11 00-0514	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73)	34.67	13.35
08 71 11 00-0515	EA	Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	44.31	13.35
08 71 11 00-0516	EA	Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	44.31	13.35
08 71 11 00-0517	EA	Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70)	44.31	13.35
08 71 11 00-0518	EA	Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70)	48.83	13.35
08 71 11 00-0519	EA	Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	48.83	13.35
08 71 11 00-0520	EA	Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70)	48.83	13.35
08 71 11 00-0521	EA	Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70)	48.83	13.35
08 71 11 00-0522		**Wall Bumpers** *(08 71 11 00-0422)*		
08 71 11 00-0523		**Brass Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0524	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	39.67	16.69
08 71 11 00-0525	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	39.67	16.69
08 71 11 00-0526	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407)	39.67	16.69
08 71 11 00-0527	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.69
08 71 11 00-0528	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.69
08 71 11 00-0529	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.69
08 71 11 00-0530	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407)	40.22	16.69
08 71 11 00-0531	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	58.78	16.69
08 71 11 00-0532	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	63.82	16.69
08 71 11 00-0533	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402)	63.82	16.69
08 71 11 00-0534	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402)	63.82	16.69
08 71 11 00-0535	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	63.82	16.69
08 71 11 00-0536	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402)	63.82	16.69
08 71 11 00-0537	EA	2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402)	64.94	16.69
08 71 11 00-0538		**Rubber Wall Bumpers** *(08 71 11 00-0522)*		
08 71 11 00-0539	EA	1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W)	37.67	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0540		Holders *(08 71 11 00-0421)*		
08 71 11 00-0541		Plunger Type Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0542		Aluminum Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0543	EA	Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153)	93.76	10.01
08 71 11 00-0544		Brass Plunger Type Door Holders *(08 71 11 00-0541)*		
08 71 11 00-0545	EA	Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.03	10.01
08 71 11 00-0546	EA	Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.03	10.01
08 71 11 00-0547	EA	Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.03	10.01
08 71 11 00-0548	EA	Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.03	10.01
08 71 11 00-0549	EA	Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.03	10.01
08 71 11 00-0550	EA	Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.03	10.01
08 71 11 00-0551	EA	Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154)	153.03	10.01
08 71 11 00-0552		Kick Down Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0553		Aluminum Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0554	EA	Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455)	32.06	10.01
08 71 11 00-0555		Brass Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0556	EA	Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455)	68.92	10.01
08 71 11 00-0557	EA	Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455)	68.92	10.01
08 71 11 00-0558	EA	Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	68.92	10.01
08 71 11 00-0559	EA	Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	78.53	10.01
08 71 11 00-0560	EA	Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455)	78.53	10.01
08 71 11 00-0561	EA	Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455)	78.53	10.01
08 71 11 00-0562	EA	Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455)	80.96	10.01
08 71 11 00-0563		Steel Kick Down Door Holders *(08 71 11 00-0552)*		
08 71 11 00-0564	EA	Steel Kick Down Door Holder (Ives FS544)	39.49	10.01
08 71 11 00-0565		Floor Mounted Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0566		Brass Floor Mounted Door Holders *(08 71 11 00-0565)*		
08 71 11 00-0567	EA	Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	134.96	20.02
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0568	EA	Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	134.96	20.02
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0569	EA	Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	166.90	20.02
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0570	EA	Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	166.90	20.02
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0571	EA	Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	166.90	20.02
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0572	EA	Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40)	166.90	20.02
		For >1/2" To 1-1/16" Door To Floor Clearance, Add	*1.78*	
		For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	*10.53*	
		For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	*15.80*	
08 71 11 00-0573		Wall Mounted Door Holders *(08 71 11 00-0540)*		
08 71 11 00-0574		Aluminum Wall Mounted Door Holders *(08 71 11 00-0573)*		
08 71 11 00-0575	EA	4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20)	119.39	11.68
08 71 11 00-0576	EA	Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40)	175.30	20.02
08 71 11 00-0577		Brass Wall Mounted Door Holders *(08 71 11 00-0573)*		
08 71 11 00-0578	EA	3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	109.71	11.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0579	EA	3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.03	11.68
08 71 11 00-0580	EA	3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.03	11.68
08 71 11 00-0581	EA	3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.03	11.68
08 71 11 00-0582	EA	3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.03	11.68
08 71 11 00-0583	EA	3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	127.03	11.68
08 71 11 00-0584	EA	3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449)	131.10	11.68
08 71 11 00-0585	EA	4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	124.21	11.68
08 71 11 00-0586	EA	4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	147.84	11.68
08 71 11 00-0587	EA	4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	147.84	11.68
08 71 11 00-0588	EA	4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	147.84	11.68
08 71 11 00-0589	EA	4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	147.84	11.68
08 71 11 00-0590	EA	4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20)	147.84	11.68
08 71 11 00-0591	EA	Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40)	198.87	20.02
08 71 11 00-0592	EA	Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40)	209.49	20.02
08 71 11 00-0593	EA	Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40)	209.49	20.02
08 71 11 00-0594	EA	Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40)	209.49	20.02
08 71 11 00-0595	EA	Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40)	209.49	20.02
08 71 11 00-0596	EA	Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40)	209.49	20.02

08 71 11 00-0597 Overhead Door Holders *(08 71 11 00-0540)*

08 71 11 00-0598 Surface Mounted, Overhead Door Holders *(08 71 11 00-0597)*

08 71 11 00-0599	EA	Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	617.59	33.36
		For Hold Open, Add	*69.86*	
08 71 11 00-0600	EA	Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	706.77	33.36
		For Hold Open, Add	*82.73*	
08 71 11 00-0601	EA	Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	706.77	33.36
		For Hold Open, Add	*82.73*	
08 71 11 00-0602	EA	Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	706.77	33.36
		For Hold Open, Add	*82.73*	
08 71 11 00-0603	EA	Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)	703.74	33.36
		For Hold Open, Add	*82.29*	

08 71 11 00-0604 Heavy-Duty, Surface Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0605	EA	Heavy-Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	482.91	33.36
08 71 11 00-0606	EA	Heavy-Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	695.85	33.36
08 71 11 00-0607	EA	Heavy-Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	788.67	33.36
08 71 11 00-0608	EA	Heavy-Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	788.67	33.36
08 71 11 00-0609	EA	Heavy-Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90)	788.67	33.36

08 71 11 00-0610 Concealed Mounted, Overhead Door Holders *(08 71 11 00-0597)*

Note: With or without hold open feature.

08 71 11 00-0611	EA	Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	673.41	33.36
08 71 11 00-0612	EA	Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	673.41	33.36
08 71 11 00-0613	EA	Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	709.81	33.36
08 71 11 00-0614	EA	Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	740.75	33.36
08 71 11 00-0615	EA	Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100)	740.75	33.36

08 71 11 00-0616 Silencers *(08 71 11 00-0421)*

08 71 11 00-0617	EA	Replacement Of Rubber Door Silencers Note: For repair / maintenance only. This task is not to be used in conjunction with new door or frame installations.	1.99	

08 71 11 00-0618 Bolts *(08 71 11 00-0421)*

08 71 11 00-0619 Brass Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0620	EA	8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640)	201.53	16.69
08 71 11 00-0621	EA	8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640)	215.55	16.69
08 71 11 00-0622	EA	8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640)	215.55	16.69

08 71 11 00-0623 Steel Surface Bolts *(08 71 11 00-0618)*

08 71 11 00-0624	EA	8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	92.94	16.69
08 71 11 00-0625	EA	8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	92.94	16.69
08 71 11 00-0626	EA	8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453)	92.94	16.69
08 71 11 00-0627	EA	8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	105.19	16.69
08 71 11 00-0628	EA	8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	106.95	16.69
08 71 11 00-0629	EA	8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	110.44	16.69
08 71 11 00-0630	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453)	108.68	16.69
08 71 11 00-0631	EA	12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	113.96	16.69
08 71 11 00-0632	EA	12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453)	120.96	16.69
08 71 11 00-0633	EA	12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453)	126.21	16.69
08 71 11 00-0634	EA	12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360)	196.28	16.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0635		**Door Viewer** *(08 71 11 00-0421)*		
08 71 11 00-0636		**Brass Door Viewer** *(08 71 11 00-0635)*		
08 71 11 00-0637	EA	120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700)	50.07	16.69
08 71 11 00-0638	EA	120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700)	50.07	16.69
08 71 11 00-0639	EA	120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700)	50.07	16.69
08 71 11 00-0640	EA	150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696)	57.90	16.69
08 71 11 00-0641	EA	150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696)	57.90	16.69
08 71 11 00-0642	EA	150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696)	57.90	16.69
08 71 11 00-0643	EA	190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	67.55	16.69
08 71 11 00-0644	EA	190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698)	67.55	16.69
08 71 11 00-0645		**Door Knockers** *(08 71 11 00-0421)*		
08 71 11 00-0646		**Brass Door Knockers** *(08 71 11 00-0645)*		
08 71 11 00-0647	EA	5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125)	74.22	16.69
08 71 11 00-0648	EA	5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125)	81.65	16.69
08 71 11 00-0649	EA	5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125)	81.65	16.69
08 71 11 00-0650	EA	5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125)	81.65	16.69
08 71 11 00-0651	EA	8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107)	109.86	16.69
08 71 11 00-0652	EA	8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107)	127.79	16.69
08 71 11 00-0653		**Hasps** *(08 71 11 00-0421)*		
08 71 11 00-0654	EA	3-1/4", Zinc Plated Finish, Steel Hasp Assembly	35.32	12.59
08 71 11 00-0655	EA	4-1/2", Zinc Plated Finish, Steel Hasp Assembly	37.64	13.35
08 71 11 00-0656	EA	6", Zinc Plated Finish, Steel Hasp Assembly	47.80	15.02
08 71 11 00-0657	EA	6", Zinc Plated Finish, Steel High Security Hasp Assembly	190.14	18.01
08 71 11 00-0658		**Flush Bolts** *(08 71 11 00-0421)*		
08 71 11 00-0659		**Flush Bolts For Metal Doors** *(08 71 11 00-0658)*		
08 71 11 00-0660		**Brass Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
08 71 11 00-0661		**Manual, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0662	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458)	71.91	16.69
08 71 11 00-0663		**Automatic, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0664	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T)	145.18	16.69
08 71 11 00-0665	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B)	145.18	16.69
08 71 11 00-0666	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P)	252.05	26.69
08 71 11 00-0667	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32)	258.61	23.35
08 71 11 00-0668	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33)	268.96	25.02
08 71 11 00-0669		**Constant Latching, Brass Flush Bolts For Metal Doors** *(08 71 11 00-0660)* Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0670	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T)	171.59	16.69
08 71 11 00-0671	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P)	318.27	26.69
08 71 11 00-0672	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52)	311.59	23.35
08 71 11 00-0673	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53)	323.69	25.02
08 71 11 00-0674		**Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0659)*		
08 71 11 00-0675		**Automatic, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0676	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T)	145.18	16.69
08 71 11 00-0677	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B)	145.18	16.69
08 71 11 00-0678	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P)	252.05	26.69
08 71 11 00-0679	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32)	258.61	23.35
08 71 11 00-0680	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33)	268.96	25.02
08 71 11 00-0681		**Constant Latching, Stainless Steel Flush Bolts For Metal Doors** *(08 71 11 00-0674)* Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0682	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T)	171.59	16.69
08 71 11 00-0683	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P)	318.27	26.69
08 71 11 00-0684	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52)	311.59	23.35
08 71 11 00-0685	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53)	323.69	25.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0686		Flush Bolts For Wood Doors *(08 71 11 00-0658)*		
08 71 11 00-0687		Brass Flush Bolts For Wood Doors *(08 71 11 00-0686)*		
08 71 11 00-0688		Manual, Brass Flush Bolts For Wood Doors *(08 71 11 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.		
08 71 11 00-0689	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358)	85.02	16.69
08 71 11 00-0690		Automatic, Brass Flush Bolts For Wood Doors *(08 71 11 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0691	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T)	179.96	16.69
08 71 11 00-0692	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B)	179.96	16.69
08 71 11 00-0693	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P)	332.98	26.69
08 71 11 00-0694	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42)	326.30	23.35
08 71 11 00-0695		Constant Latching, Brass Flush Bolts For Wood Doors *(08 71 11 00-0687)*		
		Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.		
08 71 11 00-0696	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T)	178.60	16.69
08 71 11 00-0697	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P)	332.98	26.69
08 71 11 00-0698	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62)	326.30	23.35
08 71 11 00-0699		Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0686)*		
08 71 11 00-0700		Automatic, Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0701	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T)	179.96	16.69
08 71 11 00-0702	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B)	179.96	16.69
08 71 11 00-0703	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P)	332.98	26.69
08 71 11 00-0704	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42)	326.30	23.35
08 71 11 00-0705		Constant Latching, Stainless Steel Flush Bolts For Wood Doors *(08 71 11 00-0699)*		
		Note: Includes stainless steel construction with bright or satin finish.		
08 71 11 00-0706	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T)	178.60	16.69
08 71 11 00-0707	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P)	332.98	26.69
08 71 11 00-0708	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62)	326.30	23.35
08 71 11 00-0709		Dust Proof Strikes *(08 71 11 00-0658)*		
08 71 11 00-0710	EA	Satin Brass Finish, Brass Dust Proof Strike (Ives DP1)	64.18	13.35
08 71 11 00-0711	EA	Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1)	64.18	13.35
08 71 11 00-0712	EA	Bright Brass Finish, Brass Dust Proof Strike (Ives DP1)	64.18	13.35
08 71 11 00-0713	EA	Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1)	64.18	13.35
08 71 11 00-0714	EA	Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1)	64.18	13.35
08 71 11 00-0715	EA	Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	73.98	13.35
08 71 11 00-0716	EA	Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2)	73.98	13.35
08 71 11 00-0717	EA	Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	73.98	13.35
08 71 11 00-0718	EA	Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2)	73.98	13.35
08 71 11 00-0719	EA	Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2)	73.98	13.35
08 71 11 00-0720		Roller Bumpers *(08 71 11 00-0421)*		
08 71 11 00-0721		Brass Roller Bumpers *(08 71 11 00-0720)*		
08 71 11 00-0722	EA	5" Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470)	67.04	10.01
08 71 11 00-0723	EA	5" Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	78.75	10.01
08 71 11 00-0724	EA	5" Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470)	78.75	10.01
08 71 11 00-0725	EA	4-1/2" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	64.40	10.01
08 71 11 00-0726	EA	4-1/2" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.32	10.01
08 71 11 00-0727	EA	4-1/2" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.32	10.01
08 71 11 00-0728	EA	4-1/2" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471)	73.32	10.01
08 71 11 00-0729	EA	6" Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	67.22	10.01
08 71 11 00-0730	EA	6" Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472)	73.53	10.01
08 71 11 00-0731	EA	6" Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.50	10.01
08 71 11 00-0732	EA	6" Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.50	10.01
08 71 11 00-0733	EA	6" Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.50	10.01
08 71 11 00-0734	EA	6" Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.50	10.01
08 71 11 00-0735	EA	6" Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472)	76.50	10.01
08 71 11 00-0736		Other Door Trim *(08 71 11 00-0421)*		
08 71 11 00-0737		Coat And Hat Hooks *(08 71 11 00-0736)*		
08 71 11 00-0738		Aluminum Coat And Hat Hooks *(08 71 11 00-0737)*		
08 71 11 00-0739	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581)	23.26	10.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0740	EA	1-1/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581)	23.26	10.01
08 71 11 00-0741	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581)	23.47	10.01
08 71 11 00-0742	EA	1-3/4" Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571)	23.10	10.01
08 71 11 00-0743	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571)	23.10	10.01
08 71 11 00-0744	EA	1-3/4" Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571)	23.10	10.01
08 71 11 00-0745	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571)	23.47	10.01
08 71 11 00-0746	EA	1-1/2" Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	24.56	10.01
08 71 11 00-0747	EA	1-1/2" Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405)	24.56	10.01
08 71 11 00-0748	EA	1-1/2" Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	24.56	10.01
08 71 11 00-0749	EA	1-1/2" Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405)	24.56	10.01
08 71 11 00-0750	EA	1-1/2" Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405)	24.56	10.01
08 71 11 00-0751		Brass Coat And Hat Hooks *(08 71 11 00-0737)*		
08 71 11 00-0752	EA	1-1/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581)	29.20	10.01
08 71 11 00-0753	EA	1-1/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581)	29.78	10.01
08 71 11 00-0754	EA	1-1/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581)	30.69	10.01
08 71 11 00-0755	EA	1-1/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581)	30.69	10.01
08 71 11 00-0756	EA	1-1/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581)	31.26	10.01
08 71 11 00-0757	EA	1-3/4" Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571)	33.11	10.01
08 71 11 00-0758	EA	1-3/4" Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571)	35.72	10.01
08 71 11 00-0759	EA	1-3/4" Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571)	35.72	10.01
08 71 11 00-0760	EA	1-3/4" Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571)	35.72	10.01
08 71 11 00-0761	EA	1-3/4" Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571)	36.30	10.01
08 71 11 00-0762		Door Plates And Pulls *(08 71 11)*		
08 71 11 00-0763		Kick Plate *(08 71 11 00-0762)* Note: Ives 8400.		
08 71 11 00-0764		Aluminum Base Material Kick Plate *(08 71 11 00-0763)*		
08 71 11 00-0765		Satin Aluminum Finish, Aluminum Kick Plate *(08 71 11 00-0764)* Note: US28		
08 71 11 00-0766	EA	8" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.02	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0767	EA	8" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.69	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0768	EA	8" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.30	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0769	EA	8" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.94	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0770	EA	8" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.28	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0771	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.86	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0772	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.51	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0773	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.14	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0774	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.44	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0775	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.08	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0776	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.69	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0777	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.04	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0778	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.68	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0779	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.29	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0780	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.30	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0781	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.61	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0782	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.86	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0783	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.16	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0784	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.14	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0785	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.42	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0786	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.73	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0787	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.00	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0788	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.97	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0789	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.25	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0790	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.55	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0791	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.54	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0792	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.79	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0793	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.10	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0794	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.55	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0795	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.47	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0796	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.47	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0797	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	95.36	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0798	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.00	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0799	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.95	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0800	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.89	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0801	EA	12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.87	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0802	EA	12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.47	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0803	EA	12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.42	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0804	EA	12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.39	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0805	EA	12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.02	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0806	EA	12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	138.96	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0807	EA	12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	142.94	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0808	EA	14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	93.41	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0809	EA	14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.03	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0810	EA	14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.70	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0811	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.31	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.55	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.17	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.78	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.39	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.68	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.27	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	144.88	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	152.15	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	156.79	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	161.40	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.70	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.95	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.26	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.51	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.17	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.73	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	135.01	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.26	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	148.19	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.50	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	158.74	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	166.65	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	171.93	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	177.24	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.11	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.42	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0838	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.73	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0839	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	131.04	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	139.98	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.29	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	152.61	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	158.92	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.91	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.22	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	180.53	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	189.50	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	195.81	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0849	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	202.13	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	122.47	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.48	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.49	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.50	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.19	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	160.20	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	167.21	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.22	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	183.89	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	190.90	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	197.91	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	207.60	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	214.61	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	221.62	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	130.18	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.89	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0866	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	145.60	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0867	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	153.30	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	163.72	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	171.43	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	179.14	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	186.84	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	197.21	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	204.92	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	212.63	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	223.01	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	230.72	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	238.43	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.89	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	146.29	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	154.73	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	163.14	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.22	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	182.63	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	191.03	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	199.47	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	210.53	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	218.94	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	227.34	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	238.43	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	246.86	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0891	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	255.27	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0892 Brass Base Material Kick Plate *(08 71 11 00-0763)*

08 71 11 00-0893 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0892)*
Note: US3/US4

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0894	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	136.30	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0895	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	145.04	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	153.80	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	162.54	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	173.95	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.75	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	191.49	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	200.23	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	211.63	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	220.37	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	229.11	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	240.53	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	249.33	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.07	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0908	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	160.38	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0909	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	171.28	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0910	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.25	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.18	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	206.75	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	217.71	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	228.67	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	239.61	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	253.17	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	264.13	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	275.09	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	288.67	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	299.64	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	310.57	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0922	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	184.38	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0923	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	197.56	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	210.66	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.78	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	239.61	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	252.73	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	265.85	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	278.95	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	294.79	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	307.89	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.01	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	336.82	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	349.91	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	363.10	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	211.16	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	226.45	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	241.77	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	257.12	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	275.09	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	290.41	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	305.70	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	321.01	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	339.01	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	354.33	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	369.61	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	387.59	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	402.94	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	418.25	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0950	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	296.34	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0951	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	319.45	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	342.50	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	365.52	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	391.23	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	414.31	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	437.40	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	460.39	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	486.18	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	509.26	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	532.31	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	557.99	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	581.04	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	604.13	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	327.55	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	353.43	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	379.28	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	405.23	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	433.77	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	459.63	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	485.57	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	511.42	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	540.05	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	565.93	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	591.78	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	620.39	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	646.24	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	672.12	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0978	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	361.85	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0979	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	390.59	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	419.40	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	448.11	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	479.60	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	508.38	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	537.12	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	565.93	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	597.31	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	626.11	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	654.89	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	686.31	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	715.12	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	743.84	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	393.52	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	425.12	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	456.76	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	488.43	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	522.75	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	554.42	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	586.06	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	617.73	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	652.00	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	683.63	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	715.30	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	749.62	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	781.29	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	812.87	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1006	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	425.12	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1007	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	459.63	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	494.19	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	528.72	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	565.93	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	600.43	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	634.96	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1013	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	671.38	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	706.65	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	741.16	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	775.69	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1017	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	812.87	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	847.46	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	881.96	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1020 Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0892)*

Note: US10/US10B

08 71 11 00-1021	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	148.06	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	157.84	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	167.70	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	177.47	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	190.01	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	199.81	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.65	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	219.45	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.88	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	241.75	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	251.55	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	264.06	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	273.87	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1034	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.70	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1035	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	175.04	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	187.34	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	199.58	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	211.85	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	226.79	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	239.09	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	251.33	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	263.60	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	278.56	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	290.83	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.06	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	318.08	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	330.31	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.58	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	202.04	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	216.78	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.48	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	246.22	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	263.60	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	278.36	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	293.10	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	307.80	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	325.20	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	339.90	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	354.61	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	372.03	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	386.79	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1062	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	401.50	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1063	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	231.69	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1064	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	248.89	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	266.06	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.23	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.06	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	320.27	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	337.44	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	354.61	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	374.49	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	391.66	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	408.84	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	428.70	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	445.93	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	463.10	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	325.74	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	351.49	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	377.22	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	402.95	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	431.33	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	457.06	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	482.82	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	508.55	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	536.95	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	562.68	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	588.41	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	616.79	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	642.52	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1090	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	668.25	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1091	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	360.20	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	389.09	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	417.93	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	446.82	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	478.31	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	507.17	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	536.04	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	564.90	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	596.41	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	625.31	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	654.20	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	685.69	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	714.59	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	743.42	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	398.12	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	430.24	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	462.27	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	494.39	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	529.10	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	561.16	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	593.25	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	625.31	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	660.09	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	692.12	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	724.18	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	758.95	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	791.01	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1118	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	823.10	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1119	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	433.40	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	468.72	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	503.98	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	539.23	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	577.23	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	612.49	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	647.78	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	683.03	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	721.01	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	756.27	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	791.55	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	829.49	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	864.75	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	900.06	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	468.72	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	507.17	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	545.66	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	584.14	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	625.31	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	663.79	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	702.33	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	740.76	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	781.90	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	820.42	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	858.90	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	900.06	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	938.55	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1146	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	977.03	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1147		Stainless Base Material Kick Plate *(08 71 11 00-0763)*		
08 71 11 00-1148		Bright/Satin Chrome Finish, Stainless Kick Plate *(08 71 11 00-1147)*		
		Note: US26/US26D		
08 71 11 00-1149	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	146.42	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	156.10	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	165.77	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	175.44	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	187.79	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	197.43	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	207.11	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	216.78	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	229.11	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	238.82	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	248.49	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	260.85	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	270.52	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	280.19	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1163	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	173.03	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	185.12	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1165	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	197.20	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	209.29	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	224.07	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	236.16	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	248.24	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	260.33	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	275.07	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	287.16	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	299.24	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1174	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	314.01	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	326.09	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1176	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	338.18	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	199.61	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	214.11	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	228.67	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	243.16	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	260.33	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	274.85	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	289.35	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	303.84	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	321.00	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	335.50	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.02	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	367.20	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	381.75	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	396.25	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	228.86	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	245.83	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	262.77	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	279.67	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	299.24	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	316.18	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	333.08	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	350.02	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	369.67	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	386.58	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	403.48	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1202	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	392.56	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	439.98	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1204	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	456.92	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	326.40	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	352.21	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	378.00	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	403.79	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1209	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	432.23	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	458.02	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	483.84	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	509.63	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	538.09	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	563.88	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	589.67	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	618.11	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	643.90	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	669.69	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	360.94	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	389.90	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	418.80	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	447.76	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	479.32	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	508.25	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	537.18	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	566.11	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	597.69	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	626.65	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	655.61	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1230	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	687.17	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	716.13	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1232	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	745.03	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	398.94	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	431.14	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	463.24	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	495.43	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	530.22	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	562.35	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	594.52	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	626.65	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	661.51	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	693.61	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	725.75	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	760.59	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	792.73	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	824.89	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	434.31	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	469.71	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	505.05	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	540.39	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	578.47	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	613.80	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	649.17	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	684.51	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	722.57	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	757.91	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	793.28	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1258	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	831.30	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	866.64	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1260	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	902.04	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	469.71	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	508.25	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	546.83	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	585.40	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	626.65	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	665.23	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	703.86	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	742.37	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1269	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	783.61	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	822.21	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	860.78	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	902.04	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	940.61	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1274	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate	979.18	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1275 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1147)*

Note: US32D

08 71 11 00-1276	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.15	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.20	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	79.16	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	82.25	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.91	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.87	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.95	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.94	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.62	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.64	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1286	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	108.63	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.33	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1288	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.36	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.35	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.44	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.24	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.01	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1293	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	92.74	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.21	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.98	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	106.72	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.46	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.95	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.69	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.43	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	130.91	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.68	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.41	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.75	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.27	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.79	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.30	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.46	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.01	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.49	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.04	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.19	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.73	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1314	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.28	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	147.45	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1316	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.99	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.48	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.71	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.97	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.27	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.53	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	124.43	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.72	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.99	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.28	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.26	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	153.46	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	158.75	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.71	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	171.97	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.27	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.33	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.06	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	126.52	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.95	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	142.05	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	148.51	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	154.97	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	161.40	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	170.51	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.00	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1342	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.46	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	193.09	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1344	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	198.98	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	205.44	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.69	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.81	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	134.87	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	141.96	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.74	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	158.80	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	165.89	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	172.94	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	182.74	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	189.83	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	196.89	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	206.67	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	213.79	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	220.85	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.03	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	139.89	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	147.79	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.63	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.20	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.10	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	181.94	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	189.83	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	200.36	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	208.26	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1370	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	216.15	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1371	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	226.67	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1372	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	234.57	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	242.43	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.67	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.37	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	157.99	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	166.69	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.99	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.69	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	195.34	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	204.01	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	215.32	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	223.99	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	232.69	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	243.99	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	252.69	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	261.31	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.37	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	158.80	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	168.28	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	177.70	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	189.83	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	199.29	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	208.74	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	218.19	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	230.30	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	239.75	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1398	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	249.21	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	261.31	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1400	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	270.79	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1401	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	280.27	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1402 Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1147)*

Note: US32

08 71 11 00-1403	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.98	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	125.10	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.16	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.25	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	148.98	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.10	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.15	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.27	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.96	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.08	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.20	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.94	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	211.03	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.08	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	137.48	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1418	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	146.31	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1419	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	155.20	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.06	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	175.56	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.42	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	193.31	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.17	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	213.66	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1426	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	222.52	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	231.41	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1428	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	242.89	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	251.78	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	260.64	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	156.94	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	167.60	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	178.24	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.87	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	202.17	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	212.74	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	223.41	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	234.04	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	247.33	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	257.96	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	268.57	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	281.91	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	292.51	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	303.15	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.13	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	191.54	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	203.94	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.35	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	231.41	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.79	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.19	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	268.57	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	283.68	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1454	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.09	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	308.49	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1456	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	323.56	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	335.90	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	348.31	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	198.60	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	212.74	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	226.98	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	241.13	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	257.96	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	272.14	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	286.29	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	300.47	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	317.32	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	331.47	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	345.65	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	362.48	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	376.69	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	390.87	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	220.17	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	236.36	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	252.43	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	268.63	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	287.42	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	303.49	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	319.68	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	344.98	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	354.63	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1482	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	370.76	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	386.89	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1484	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	405.69	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	421.82	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	437.95	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	242.60	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	260.50	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	278.44	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	296.34	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	316.96	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	334.92	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	352.80	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	370.76	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	391.30	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	409.26	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	427.20	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	447.78	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	465.72	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	483.62	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.30	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.01	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	301.72	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	321.43	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	343.84	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	363.58	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	383.32	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	403.03	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	425.39	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1510	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	445.10	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	464.81	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1512	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	487.20	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	506.96	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	526.67	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	282.01	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	303.49	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	325.03	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	346.54	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	370.76	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	392.24	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	413.75	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	435.29	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	459.46	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	480.94	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	502.48	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	526.67	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	548.21	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	569.69	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1529 Satin Nickel Finish, Stainless Kick Plate *(08 71 11 00-1147)*

Note: US15

08 71 11 00-1530	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	150.37	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	160.35	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	170.43	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	180.41	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	193.16	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	203.17	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	213.21	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	223.23	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1538	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	235.87	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	245.95	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1540	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	255.96	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	268.68	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	278.70	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	288.74	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	177.92	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1545	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	190.49	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, StainlessKick Plate	202.99	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	215.52	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	230.72	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1549	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	243.29	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	255.79	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	268.32	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	283.54	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	296.07	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	308.57	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	323.85	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	336.35	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.88	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	205.51	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	220.56	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	235.58	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	250.63	10.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	268.32	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	283.40	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	298.45	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	313.47	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1566	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	331.18	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	346.20	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1568	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.22	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	378.95	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	394.04	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	409.06	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	235.73	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	253.30	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	270.84	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	288.38	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	308.57	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	326.14	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	343.68	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	361.22	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	381.47	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	399.01	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	416.55	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	436.78	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	454.38	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	471.92	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	331.79	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	358.10	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	384.37	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	410.65	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	439.59	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	465.86	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	492.17	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	518.45	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1594	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	547.41	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	573.68	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1596	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	599.96	12.01
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	628.90	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	655.17	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	681.45	12.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	366.99	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1601	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	396.50	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	425.95	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	455.46	10.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	487.57	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	517.05	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	546.53	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	576.01	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	608.14	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	637.65	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	667.16	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	699.27	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	728.78	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	758.23	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	405.66	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	438.47	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	471.18	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	503.99	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	539.38	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	572.13	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	604.90	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	637.65	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1622	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	673.12	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	705.83	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1624	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	738.58	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	774.03	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	806.78	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	839.55	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	441.70	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1629	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	477.77	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	513.78	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	549.79	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	588.55	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	624.56	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	660.60	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	696.61	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	735.34	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	771.35	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	807.39	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	846.08	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	882.09	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	918.17	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	477.77	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	517.05	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	556.36	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	595.66	11.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	637.65	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	676.96	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	716.32	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	755.57	12.01
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1650	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	797.54	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	836.87	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1652	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	876.18	12.68
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	918.17	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	957.47	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1655	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	996.78	13.35
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1656 Plastic Kick Plate *(08 71 11 00-0763)*

08 71 11 00-1657 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1656)*

Note: With four beveled edges.

08 71 11 00-1658	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.56	10.01
08 71 11 00-1659	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.75	10.01
08 71 11 00-1660	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	69.02	10.01
08 71 11 00-1661	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.24	10.01
08 71 11 00-1662	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.16	10.68
08 71 11 00-1663	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.38	10.68
08 71 11 00-1664	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.57	10.68
08 71 11 00-1665	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.84	10.68
08 71 11 00-1666	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.43	11.35
08 71 11 00-1667	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.91	11.35
08 71 11 00-1668	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.18	11.35
08 71 11 00-1669	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.08	12.01
08 71 11 00-1670	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.33	12.01
08 71 11 00-1671	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.55	12.01
08 71 11 00-1672	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	70.67	10.01
08 71 11 00-1673	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.49	10.01
08 71 11 00-1674	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.25	10.01
08 71 11 00-1675	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.01	10.01
08 71 11 00-1676	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	84.49	10.68
08 71 11 00-1677	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.25	10.68
08 71 11 00-1678	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.07	10.68
08 71 11 00-1679	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.83	10.68
08 71 11 00-1680	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.30	11.35
08 71 11 00-1681	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.06	11.35
08 71 11 00-1682	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.87	11.35
08 71 11 00-1683	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.32	12.01
08 71 11 00-1684	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.13	12.01
08 71 11 00-1685	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.89	12.01
08 71 11 00-1686	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.82	10.01
08 71 11 00-1687	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	80.17	10.01
08 71 11 00-1688	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.47	10.01
08 71 11 00-1689	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.85	10.01
08 71 11 00-1690	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	92.83	10.68
08 71 11 00-1691	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.21	10.68
08 71 11 00-1692	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.56	10.68
08 71 11 00-1693	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	102.89	10.68
08 71 11 00-1694	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.85	11.35
08 71 11 00-1695	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	112.21	11.35
08 71 11 00-1696	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.59	11.35
08 71 11 00-1697	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	121.57	12.01
08 71 11 00-1698	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.96	12.01
08 71 11 00-1699	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.26	12.01
08 71 11 00-1700	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.60	10.68
08 71 11 00-1701	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.52	10.68
08 71 11 00-1702	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.39	10.68
08 71 11 00-1703	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.32	10.68
08 71 11 00-1704	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.87	11.35
08 71 11 00-1705	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	107.74	11.35
08 71 11 00-1706	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.67	11.35
08 71 11 00-1707	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.59	11.35
08 71 11 00-1708	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.14	12.01
08 71 11 00-1709	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	126.07	12.01
08 71 11 00-1710	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.96	12.01
08 71 11 00-1711	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	136.49	12.68
08 71 11 00-1712	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	140.42	12.68
08 71 11 00-1713	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.29	12.68
08 71 11 00-1714	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.08	10.68
08 71 11 00-1715	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.22	10.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1716	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	109.28	10.68
08 71 11 00-1717	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.42	10.68
08 71 11 00-1718	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.22	11.35
08 71 11 00-1719	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	127.34	11.35
08 71 11 00-1720	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.48	11.35
08 71 11 00-1721	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.57	11.35
08 71 11 00-1722	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.39	12.01
08 71 11 00-1723	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.50	12.01
08 71 11 00-1724	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	155.64	12.01
08 71 11 00-1725	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.44	12.68
08 71 11 00-1726	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	168.50	12.68
08 71 11 00-1727	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	173.65	12.68
08 71 11 00-1728	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.09	10.68
08 71 11 00-1729	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.88	10.68
08 71 11 00-1730	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.61	10.68
08 71 11 00-1731	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	123.40	10.68
08 71 11 00-1732	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	259.74	11.35
08 71 11 00-1733	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.57	11.35
08 71 11 00-1734	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.36	11.35
08 71 11 00-1735	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	149.09	11.35
08 71 11 00-1736	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	157.56	12.01
08 71 11 00-1737	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.33	12.01
08 71 11 00-1738	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	169.07	12.01
08 71 11 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	177.52	12.68
08 71 11 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	183.25	12.68
08 71 11 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	189.04	12.68
08 71 11 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	115.81	11.35
08 71 11 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.22	11.35
08 71 11 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.61	11.35
08 71 11 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	135.02	11.35
08 71 11 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	144.12	12.01
08 71 11 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	150.50	12.01
08 71 11 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	156.91	12.01
08 71 11 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.33	12.01
08 71 11 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	172.37	12.68
08 71 11 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.79	12.68
08 71 11 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	185.17	12.68
08 71 11 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	194.27	13.35
08 71 11 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	200.68	13.35
08 71 11 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	207.07	13.35
08 71 11 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	122.87	11.35
08 71 11 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.88	11.35
08 71 11 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	136.94	11.35
08 71 11 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	143.95	11.35
08 71 11 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	153.72	12.01
08 71 11 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	160.78	12.01
08 71 11 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	167.79	12.01
08 71 11 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	174.86	12.01
08 71 11 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	184.52	12.68
08 71 11 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	191.59	12.68
08 71 11 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	198.65	12.68
08 71 11 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	208.34	13.35
08 71 11 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	215.40	13.35
08 71 11 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	222.41	13.35
08 71 11 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	129.88	11.35
08 71 11 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	137.57	11.35
08 71 11 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	145.28	11.35
08 71 11 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	152.96	11.35
08 71 11 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	163.33	12.01
08 71 11 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	170.99	12.01
08 71 11 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	178.67	12.01
08 71 11 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	186.38	12.01
08 71 11 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	196.73	12.68
08 71 11 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	204.39	12.68
08 71 11 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	212.07	12.68
08 71 11 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	222.41	13.35
08 71 11 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	230.15	13.35
08 71 11 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	237.83	13.35

08 71 11 00-1784 Mop Plate *(08 71 11 00-0762)*
Note: Ives 8400. See CSI section 08 71 11 00-0762 for 8" High Plates.

08 71 11 00-1785 Aluminum Base Material Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1786 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1785)*
Note: US28

08 71 11 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	56.12	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	57.72	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.25	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	60.85	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.05	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	65.58	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.18	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	68.72	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	72.59	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	74.16	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	75.73	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	79.95	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	81.55	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	83.09	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	64.77	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	67.12	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	69.50	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	71.85	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	75.83	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	78.15	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	80.56	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	82.87	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	87.53	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	89.88	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	92.26	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	97.27	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	99.65	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	101.97	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1815 Brass Base Material Mop Plate *(08 71 11 00-1784)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1816		Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1815)* Note: US3/US4		
08 71 11 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	89.67	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	94.35	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	98.96	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	103.60	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	109.81	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	114.42	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	119.06	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	123.67	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	130.60	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	135.21	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	139.82	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1828	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	147.12	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	151.73	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1830	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	156.40	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1831	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	115.16	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1832	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	122.07	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1833	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	129.02	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	135.94	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	144.49	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	151.46	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	158.35	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	165.33	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	174.49	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	181.47	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	188.42	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	198.00	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	204.94	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1844	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	211.86	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1845		Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1815)*		
		Note: US10/US10B		
08 71 11 00-1846	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	95.68	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1847	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	100.83	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	106.01	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	111.17	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	117.95	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	123.13	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	128.31	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	133.49	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	140.90	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	146.08	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1856	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	151.26	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	159.10	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	164.28	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	169.41	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	124.09	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1861	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	131.89	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	139.64	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	162.47	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	156.72	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	164.47	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	172.21	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	179.95	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	190.03	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	197.78	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	205.52	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	215.92	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1872	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	223.67	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	231.41	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1874 Stainless Base Material Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1875 Bright/Satin Chrome Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US26/US26D

08 71 11 00-1876	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	94.78	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	99.84	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	104.93	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	110.02	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	116.68	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	121.77	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	126.86	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	131.92	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1884	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	139.30	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	144.42	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	149.51	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	157.26	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	162.32	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	167.41	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	122.73	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1891	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	130.32	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1892	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	137.98	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	145.63	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	154.82	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	162.47	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	170.07	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	177.72	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	187.65	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	195.24	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1900	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	202.89	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	213.15	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	220.80	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1903	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	228.42	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1904 Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US32D

08 71 11 00-1905	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	57.64	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	59.30	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.03	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	62.72	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.04	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	67.77	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	69.43	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1912	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	71.15	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	75.13	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	76.85	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	78.58	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	82.90	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	84.62	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	86.32	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	66.97	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	69.55	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1921	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	72.11	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	74.70	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	78.82	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	81.38	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	83.96	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	86.52	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	91.38	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1928	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	93.91	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	96.46	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	101.71	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1931	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	104.23	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1932	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	106.82	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1933 Bright Stainless Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US32

08 71 11 00-1934	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	80.06	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	83.83	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	87.60	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	91.31	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	96.68	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	100.43	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1940	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	104.20	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	107.97	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	113.96	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	117.73	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	121.50	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	127.90	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	131.67	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	135.38	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	100.68	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1949	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	106.37	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	111.99	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1951	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	117.62	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	124.81	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	130.44	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	136.06	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	141.69	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1956	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	149.62	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	155.25	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	160.88	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1959	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	169.16	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1960	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	174.76	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	180.38	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1962 Satin Nickel Finish, Stainless Mop Plate *(08 71 11 00-1874)*

Note: US15

08 71 11 00-1963	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	96.71	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	101.91	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	107.21	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	112.48	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	119.34	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1968	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	124.58	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	129.85	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	135.11	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	142.69	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	147.93	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	153.16	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	161.12	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	166.39	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	171.59	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	125.63	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1978	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	133.51	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	141.40	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	149.28	9.75
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1981	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	158.77	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	166.65	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	174.54	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1984	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	182.46	10.14
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	192.62	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	200.54	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	208.42	10.68
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1988	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	218.97	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	226.85	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate	234.77	11.35
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1991 Plastic Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1992 Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-1991)*

Note: With four beveled edges.

08 71 11 00-1993	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	54.46	9.75
08 71 11 00-1994	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	55.88	9.75
08 71 11 00-1995	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	57.32	9.75
08 71 11 00-1996	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	58.74	9.75
08 71 11 00-1997	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	61.75	10.14
08 71 11 00-1998	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	63.17	10.14
08 71 11 00-1999	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	64.58	10.14
08 71 11 00-2000	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.03	10.14
08 71 11 00-2001	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	69.72	10.68
08 71 11 00-2002	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	71.14	10.68
08 71 11 00-2003	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	72.55	10.68
08 71 11 00-2004	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	76.63	11.35
08 71 11 00-2005	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	78.08	11.35
08 71 11 00-2006	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	79.49	11.35
08 71 11 00-2007	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	62.28	9.75
08 71 11 00-2008	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	64.43	9.75
08 71 11 00-2009	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	66.55	9.75
08 71 11 00-2010	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	68.67	9.75
08 71 11 00-2011	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	72.43	10.14
08 71 11 00-2012	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	74.55	10.14
08 71 11 00-2013	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	76.67	10.14
08 71 11 00-2014	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	78.80	10.14
08 71 11 00-2015	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	83.23	10.68
08 71 11 00-2016	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	85.35	10.68
08 71 11 00-2017	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	87.48	10.68
08 71 11 00-2018	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	92.29	11.35
08 71 11 00-2019	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	94.41	11.35
08 71 11 00-2020	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	96.54	11.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2021		**Armor Door Plate** *(08 71 11 00-0762)*		
		Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.		
08 71 11 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	31.91	1.67
08 71 11 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	30.44	1.30
08 71 11 00-2024	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	35.03	1.67
08 71 11 00-2025	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	33.56	1.30
08 71 11 00-2026	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	71.21	1.67
08 71 11 00-2027	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	69.74	1.30
08 71 11 00-2028		**Pull Handle And Plates** *(08 71 11 00-0762)*		
08 71 11 00-2029		**Pull Handle** *(08 71 11 00-2028)*		
08 71 11 00-2030	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	69.50	11.01
		For Stainless Steel, Add	*10.69*	
		For Brass, Add	*14.51*	
08 71 11 00-2031	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	72.80	11.01
		For Stainless Steel, Add	*12.08*	
		For Brass, Add	*16.39*	
08 71 11 00-2032	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	78.01	11.01
		For Stainless Steel, Add	*14.27*	
		For Brass, Add	*19.36*	
08 71 11 00-2033	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	80.90	11.01
		For Stainless Steel, Add	*15.48*	
		For Brass, Add	*21.01*	
08 71 11 00-2034	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	86.13	11.01
		For Stainless Steel, Add	*17.68*	
		For Brass, Add	*23.99*	
08 71 11 00-2035	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	92.89	11.01
		For Stainless Steel, Add	*20.52*	
		For Brass, Add	*27.84*	
08 71 11 00-2036	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	73.05	11.01
		For Stainless Steel, Add	*12.18*	
		For Brass, Add	*16.54*	
08 71 11 00-2037	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	80.26	11.01
		For Stainless Steel, Add	*15.21*	
		For Brass, Add	*20.65*	
08 71 11 00-2038	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	81.44	11.01
		For Stainless Steel, Add	*15.71*	
		For Brass, Add	*21.32*	
08 71 11 00-2039	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	154.24	11.01
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*20.83*	
		For Brass, Add	*19.17*	
08 71 11 00-2040	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	158.70	11.01
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*21.67*	
		For Brass, Add	*19.95*	
08 71 11 00-2041	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	167.67	11.01
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*23.37*	
		For Brass, Add	*21.51*	
08 71 11 00-2042	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	219.58	11.01
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*33.18*	
		For Brass, Add	*30.54*	
08 71 11 00-2043		**Pull Plate** *(08 71 11 00-2028)*		
08 71 11 00-2044	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	105.92	8.34
		For Stainless Steel, Add	*42.81*	
		For Brass, Add	*54.42*	
08 71 11 00-2045	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	108.44	8.34
		For Stainless Steel, Add	*44.30*	
		For Brass, Add	*56.31*	
08 71 11 00-2046	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	114.19	8.34
		For Stainless Steel, Add	*47.69*	
		For Brass, Add	*60.62*	
08 71 11 00-2047		**Push Bars And Plates** *(08 71 11 00-0762)*		
08 71 11 00-2048		**Push Bars** *(08 71 11 00-2047)*		
08 71 11 00-2049	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate	315.75	8.34
		Note: Up to 34" wide. All finishes.		
08 71 11 00-2050	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	279.07	8.34
		For Brass Push Bar, Add	*42.75*	
08 71 11 00-2051	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	289.38	8.34
		For Brass Push Bar, Add	*44.55*	
08 71 11 00-2052	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	545.40	8.34
		For Brass Push Bar, Add	*89.09*	
08 71 11 00-2053		**Push Plates** *(08 71 11 00-2047)*		
08 71 11 00-2054		**Aluminum Push Plates** *(08 71 11 00-2053)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2055		Clear Anodized Finish, Aluminum Push Plates *(08 71 11 00-2054)* Note: Ives 8200 Series.		
08 71 11 00-2056	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	51.59	8.34
08 71 11 00-2057	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	51.59	8.34
08 71 11 00-2058	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	51.59	8.34
08 71 11 00-2059	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	56.20	8.34
08 71 11 00-2060		Stainless Steel Push Plates *(08 71 11 00-2053)*		
08 71 11 00-2061		Satin Finish, Stainless Steel Push Plates *(08 71 11 00-2060)* Note: Ives 8200 Series.		
08 71 11 00-2062	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	51.59	8.34
08 71 11 00-2063	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	55.14	8.34
08 71 11 00-2064	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	63.24	8.34
08 71 11 00-2065	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	75.22	8.34
08 71 11 00-2066		Brass Push Plates *(08 71 11 00-2053)*		
08 71 11 00-2067		Bright/Satin Brass Finish, Brass Push Plates *(08 71 11 00-2066)* Note: Ives 8200 Series.		
08 71 11 00-2068	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	62.42	8.34
08 71 11 00-2069	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	71.52	8.34
08 71 11 00-2070	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	93.45	8.34
08 71 11 00-2071	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	107.86	8.34
08 71 11 00-2072		Bright/Satin Chrome Finish, Brass Push Plates *(08 71 11 00-2066)* Note: Ives 8200 Series.		
08 71 11 00-2073	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	69.70	8.34
08 71 11 00-2074	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	77.10	8.34
08 71 11 00-2075	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	97.18	8.34
08 71 11 00-2076	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	116.99	8.34
08 71 11 00-2077		Satin/Dark Bronze Finish, Brass Push Plates *(08 71 11 00-2066)* Note: Ives 8200 Series.		
08 71 11 00-2078	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	69.70	8.34
08 71 11 00-2079	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	77.10	8.34
08 71 11 00-2080	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	100.73	8.34
08 71 11 00-2081	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	118.96	8.34
08 71 11 00-2082		Satin Nickel Finish, Brass Push Plates *(08 71 11 00-2066)* Note: Ives 8200 Series.		
08 71 11 00-2083	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	69.70	8.34
08 71 11 00-2084	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	78.95	8.34
08 71 11 00-2085	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	106.34	8.34
08 71 11 00-2086	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	124.57	8.34
08 71 11 00-2087		Exit Devices *(08 71 11)*		
08 71 11 00-2088		Push Bar Exit Device, Von Duprin Series 22 *(08 71 11 00-2087)* Note: Grade 1, BHMA 156.3.		
08 71 11 00-2089	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22) Note: Anodized finish: aluminum or dark brown.	851.95	150.13
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2090	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F) Note: Anodized finish: aluminum or dark brown.	941.30	150.13
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2091	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227) Note: Anodized finish: aluminum or dark brown.	1,221.26	180.17
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2092	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F) Note: Anodized finish: aluminum or dark brown.	1,443.81	166.82
		For 4' Push Bar, Add	*13.87*	
08 71 11 00-2093	EA	Dummy Trim (Von Duprin Series 22, 210DT) Note: Anodized finish: aluminum or dark brown.	117.21	25.02
08 71 11 00-2094	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) Note: Anodized finish: aluminum or dark brown.	245.36	33.36
08 71 11 00-2095	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K) Note: Anodized finish: aluminum or dark brown.	454.36	50.05
08 71 11 00-2096	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L) Note: Anodized finish: aluminum or dark brown.	450.25	50.05
08 71 11 00-2097	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP) Note: Anodized finish: aluminum or dark brown.	449.21	50.05
08 71 11 00-2098	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) Note: Anodized finish: aluminum or dark brown.	361.16	50.05
08 71 11 00-2099	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO) Note: Anodized finish: aluminum or dark brown.	146.12	20.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2100	EA	Dummy Trim (Von Duprin Series 22, 230DT) Note: Anodized finish: aluminum or dark brown.	169.75	25.02
08 71 11 00-2101	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) Note: Anodized finish: aluminum or dark brown.	299.96	33.36
08 71 11 00-2102	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE) Note: Anodized finish: aluminum or dark brown.	357.05	50.05
08 71 11 00-2103	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE) Note: Anodized finish: aluminum or dark brown.	356.01	50.05
08 71 11 00-2104		**Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35** *(08 71 11 00-2087)* Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2105	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35) Note: Aluminum anodized finish.	1,796.93	150.13
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*139.66*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*143.01*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*134.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*53.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*407.79*	
08 71 11 00-2106	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527) Note: Aluminum anodized finish.	2,444.37	180.17
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*196.39*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*201.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*189.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*74.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*573.46*	
08 71 11 00-2107	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F) Note: Aluminum anodized finish.	2,491.96	180.17
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*201.15*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*205.98*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*194.11*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*76.44*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*587.36*	
08 71 11 00-2108	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547) Note: Aluminum anodized finish.	2,535.31	206.86
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*198.15*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*202.90*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*191.21*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*75.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*578.59*	
08 71 11 00-2109	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F) Note: Aluminum anodized finish.	2,658.05	206.86
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*210.42*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*215.47*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*203.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*79.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*614.43*	
08 71 11 00-2110	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548) Note: Aluminum anodized finish.	2,829.64	206.86
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*227.58*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*233.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*219.61*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*86.48*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*664.53*	
08 71 11 00-2111	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F) Note: Aluminum anodized finish.	2,952.38	206.86
		For 4' Push Bar, Add	*13.87*	
		For Accessible Device (AX), Add	*239.85*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*245.61*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*231.46*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*91.14*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*700.37*	
08 71 11 00-2112	EA	Dummy Trim (Von Duprin Series 33/35, DT) Note: Anodized finish: aluminum or dark brown.	402.38	25.02
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*32.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.76*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*98.01*	
08 71 11 00-2113	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP) Note: Anodized finish: aluminum or dark brown.	454.85	33.36
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.88*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*105.54*	
08 71 11 00-2114	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL) Note: Anodized finish: aluminum or dark brown.	733.48	33.36
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.77*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*24.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*186.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2115	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) Note: Anodized finish: aluminum or dark brown.	750.41	50.05
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*59.54*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*23.44*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*180.15*	
08 71 11 00-2116	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE) Note: Anodized finish: aluminum or dark brown.	887.98	50.05
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*72.81*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*220.32*	
08 71 11 00-2117	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT) Note: Anodized finish: aluminum or dark brown.	870.63	50.05
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*215.25*	
08 71 11 00-2118	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) Note: Anodized finish: aluminum or dark brown.	878.74	50.05
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*71.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*28.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*217.62*	
08 71 11 00-2119		**Push Bar Exit Device, Von Duprin Series 98/99** *(08 71 11 00-2087)* Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2120	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,654.41	150.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.50*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*121.64*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*194.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*397.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.40*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*184.34*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*125.40*	
08 71 11 00-2121	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,873.77	150.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*89.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*142.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*228.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*467.06*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*147.34*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*216.59*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*147.34*	
08 71 11 00-2122	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,492.52	150.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*66.62*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*105.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*169.28*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*346.21*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*109.21*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*160.54*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*109.21*	
08 71 11 00-2123	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	1,659.43	150.13
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.80*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*122.13*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*195.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*399.12*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*125.91*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*185.08*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*125.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2124	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,352.91	180.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*114.22*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*181.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*290.23*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*593.57*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*187.25*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*275.25*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*187.25*	
08 71 11 00-2125	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,650.23	180.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*132.36*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*210.47*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*336.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*687.82*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*216.98*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*318.96*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*216.98*	
08 71 11 00-2126	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,475.20	206.86
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*178.69*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*186.37*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*297.81*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*609.07*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*192.14*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*282.44*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*192.14*	
08 71 11 00-2127	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,779.13	206.86
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*206.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*215.85*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*344.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*705.41*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*222.53*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*327.12*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*222.53*	
08 71 11 00-2128	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,785.73	206.86
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*207.56*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*216.49*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*345.94*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*707.51*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*223.19*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*328.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*223.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2129	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,531.04	206.86
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*183.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*191.79*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*306.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*626.77*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*197.72*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*290.65*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*197.72*	
08 71 11 00-2130	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,224.00	206.86
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*155.32*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*162.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*258.87*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*529.44*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*167.02*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*245.51*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*167.02*	
08 71 11 00-2131	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,490.86	206.86
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*180.14*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*187.89*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*300.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*614.03*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*193.70*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*284.74*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*193.70*	
08 71 11 00-2132	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,391.70	180.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*116.59*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*185.39*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*296.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*605.87*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*191.13*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*280.95*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*191.13*	
08 71 11 00-2133	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F) Note: Clear anodized satin aluminum US28 (BHMA 628) finish.	2,545.22	180.17
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*125.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*200.28*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*320.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*654.53*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*206.48*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*303.52*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*206.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2134	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	2,333.28	186.84
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*67.81*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*177.78*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*284.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*581.00*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*183.28*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*269.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*183.28*	
08 71 11 00-2135	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	2,556.59	186.84
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*76.08*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*199.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*318.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*651.79*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*205.61*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*302.25*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*205.61*	
08 71 11 00-2136	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949)	2,125.09	206.86
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*146.13*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*152.41*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*243.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*498.08*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*157.12*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*230.97*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*157.12*	
08 71 11 00-2137	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F)	2,298.18	206.86
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*162.22*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.20*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*270.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*552.95*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*174.43*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*256.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*174.43*	
08 71 11 00-2138	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	2,304.36	206.86
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*162.80*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*169.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*271.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*554.91*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*175.05*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*257.32*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*175.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	2,613.46	206.86
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*191.54*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*199.78*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*319.24*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*652.90*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*205.96*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*302.76*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Cylinder Dogging Indicator (CI), Add	*181.61*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*205.96*	
08 71 11 00-2140	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	3,642.47	173.50
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*492.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,006.59*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*317.54*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.12*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*132.73*	
		For Center Case Dogging (CD-CX), Add	*294.56*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*317.54*	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F)	3,861.83	173.50
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*526.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,076.13*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*339.47*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*126.28*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*141.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*339.47*	
08 71 11 00-2142	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	4,334.68	213.53
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*581.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,190.07*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*375.42*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*139.65*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*156.92*	
		For Center Case Dogging (CD-CX), Add	*294.56*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*375.42*	
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	4,558.01	213.53
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*616.51*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*1,260.86*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*397.75*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*147.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*166.26*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*397.75*	
08 71 11 00-2144	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99)	2,347.49	173.50
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*291.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*596.08*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*188.04*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*69.95*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*107.93*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*188.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2145	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	2,566.85	173.50
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*325.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*665.62*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*209.98*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*78.11*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*120.53*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*209.98*	
08 71 11 00-2146	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	3,039.70	213.53
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*381.17*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*779.56*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*245.92*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*91.48*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*141.16*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*65.17*	
		For Special Center Case Dogging (SD), Add	*272.84*	
		For Dogging Indicator (DI), Add	*166.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*245.92*	
08 71 11 00-2147	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F)	3,263.01	213.53
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*415.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*850.35*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*268.25*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*99.79*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*153.97*	
		For Quiet Electric Latch Retraction (QEL), Add	*867.08*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*84.29*	
		For Safety Glow Touchpad, Add	*304.12*	
		For Accessible Device (AX), Add	*268.25*	
08 71 11 00-2148	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO)	193.81	20.02
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*4.21*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.32*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*23.87*	
08 71 11 00-2149	EA	Dummy Trim (Von Duprin Series 98/99, 990DT)	285.14	25.02
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.55*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*37.13*	
08 71 11 00-2150	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL)	420.65	33.36
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.82*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*14.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*55.63*	
08 71 11 00-2151	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL)	327.44	33.36
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.02*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.53*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*39.78*	
08 71 11 00-2152	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L)	731.49	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*17.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*26.91*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*101.67*	
08 71 11 00-2153	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L)	638.28	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*15.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*22.72*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.82*	
08 71 11 00-2154	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)	638.28	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*15.14*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*22.72*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*85.82*	
08 71 11 00-2155	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)	620.05	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.60*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*82.72*	
08 71 11 00-2156	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)	526.84	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2157	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT)	526.84	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.80*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*17.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*66.87*	
08 71 11 00-2158	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)	602.23	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*14.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*21.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*79.69*	
08 71 11 00-2159	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	509.02	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.85*	
08 71 11 00-2160	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	509.02	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*11.27*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.90*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*63.85*	
08 71 11 00-2161	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	592.19	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*13.76*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*77.98*	
08 71 11 00-2162	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	498.99	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.14*	
08 71 11 00-2163	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	498.99	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*62.14*	
08 71 11 00-2164	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	537.58	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*12.12*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.19*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*68.70*	
08 71 11 00-2165	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	444.38	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.33*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.86*	
08 71 11 00-2166	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	444.38	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.33*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.99*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.86*	
08 71 11 00-2167	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	443.37	50.05
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*9.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.95*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*52.68*	

08 71 11 00-2168 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2087)*

08 71 11 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	1,030.85	50.05
08 71 11 00-2170	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	881.51	50.05
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Panic Device Control Board, Add	*71.80*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	676.67	50.05
08 71 11 00-2172	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	427.85	50.05
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2173	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	688.36	50.05
		For Battery Backup (Includes Board And 2 Batteries), Add	*61.90*	
		For Fire Alarm Interface, Add	*30.95*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*84.18*	
		For 4 Relay Output Board, Add	*69.32*	
		For 4 Relay Logic Board, Add	*190.13*	
		For Fused 8 Zone Distribution Board, Add	*24.76*	
08 71 11 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX)	245.45	33.36
08 71 11 00-2175	EA	EL Conversion Kit, Electric Latch Retraction (Von Duprin)	1,124.84	
		Note: For Von Duprin Series 33A/35A/98/99 Exit Device		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2176		**Removable Verticals, Mullions (Von Duprin)** *(08 71 11 00-2087)*		
08 71 11 00-2177	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72)	607.41	33.36
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-473.95*	
08 71 11 00-2178	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82)	644.50	33.36
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-511.04*	
08 71 11 00-2179	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102)	1,044.58	33.36
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-911.12*	
08 71 11 00-2180	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76)	1,029.74	40.04
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-869.59*	
08 71 11 00-2181	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86)	1,066.83	40.04
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-906.68*	
08 71 11 00-2182	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106)	1,148.23	40.04
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-988.08*	
08 71 11 00-2183	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73)	1,074.31	33.36
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-940.85*	
08 71 11 00-2184	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83)	1,123.20	33.36
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-989.74*	
08 71 11 00-2185	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103)	1,222.31	33.36
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-1,088.85*	
08 71 11 00-2186	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75)	1,659.96	40.04
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-1,499.81*	
08 71 11 00-2187	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85)	1,708.85	40.04
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-1,548.70*	
08 71 11 00-2188	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105)	3,245.27	40.04
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-3,085.12*	
08 71 11 00-2189	EA	Mullion Stabilizer Set (Von Duprin 154)	130.66	26.69
		Note: For use with Von Duprin Panic rim devices.		
		For Owner Furnished Material, Deduct	*-77.27*	
08 71 11 00-2190		**Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55** *(08 71 11 00-2087)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2191	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile	2,368.30	150.13
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*247.96*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*285.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*375.87*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*409.33*	
08 71 11 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile	3,054.45	206.86
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*315.08*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*362.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*477.61*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*520.12*	
08 71 11 00-2193	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	3,333.66	206.86
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*350.26*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*403.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*530.94*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*578.20*	
08 71 11 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	3,123.48	206.86
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*323.77*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*372.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*490.80*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*534.48*	
08 71 11 00-2195	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	3,394.45	206.86
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*357.92*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*411.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*542.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*590.84*	
08 71 11 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile	2,377.70	186.84
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*236.53*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*272.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*358.55*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*390.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2197	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	2,560.07	186.84
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*259.51*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*298.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*393.39*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*428.40*	
08 71 11 00-2198	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	405.70	25.02
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.71*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.15*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*64.75*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*70.51*	
08 71 11 00-2199	EA	Cylinder Assembly, Von Duprin Series 55	189.24	35.36
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*12.07*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*13.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*18.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*19.93*	
08 71 11 00-2200	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	675.00	35.36
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*73.28*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*84.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*111.08*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*120.97*	
08 71 11 00-2201	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	727.40	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*86.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*113.44*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*123.54*	
08 71 11 00-2202	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	601.22	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*58.94*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*67.83*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*89.34*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*97.29*	
08 71 11 00-2203	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	727.40	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*74.84*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*86.12*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*113.44*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*123.54*	
08 71 11 00-2204	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	836.62	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*88.60*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*101.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*134.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*146.26*	
08 71 11 00-2205		**Cross Bar Exit Device, Von Duprin Series 88** *(08 71 11 00-2087)*		
		Note: Grade 1, BHMA 156.3.		
08 71 11 00-2206	EA	42" Crossbar, Rim Type, Exit Device	1,516.22	150.13
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.59*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.71*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*304.62*	
08 71 11 00-2207	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,762.47	150.13
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*42.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*43.59*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*371.85*	
08 71 11 00-2208	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,957.94	180.17
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*45.80*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*47.28*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*403.35*	
08 71 11 00-2209	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	2,490.60	180.17
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*62.31*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*64.32*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*548.77*	
08 71 11 00-2210	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,897.29	206.86
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*41.65*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*42.99*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*366.76*	
08 71 11 00-2211	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	2,381.65	206.86
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*56.66*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*58.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*498.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2212	EA	42" Crossbar, Mortise Lock, Exit Device	2,025.33	186.84
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*47.27*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*48.80*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*416.29*	
08 71 11 00-2213	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	2,151.04	186.84
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*51.17*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*52.82*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*450.61*	
08 71 11 00-2214	EA	Dummy Trim (Von Duprin Series 88, DT)	229.52	25.02
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*5.05*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*5.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*44.44*	
08 71 11 00-2215	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	358.68	33.36
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.22*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*8.49*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*72.42*	
08 71 11 00-2216	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	634.20	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*15.52*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*16.02*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*136.70*	
08 71 11 00-2217	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	592.98	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*14.25*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*14.70*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*125.45*	
08 71 11 00-2218	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	446.12	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*85.36*	
08 71 11 00-2219	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	446.12	50.05
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*9.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.01*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*85.36*	

08 71 11 00-2220 Push Bar Exit Device, Precision Hardware Apex 2000 Series *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.

08 71 11 00-2221	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	2,259.91	150.13
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,859.53*	
08 71 11 00-2222	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	2,387.68	150.13
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-1,987.30*	
08 71 11 00-2223	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	3,104.97	180.17
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,624.52*	
08 71 11 00-2224	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	3,232.74	180.17
		For 4' Push Bar, Add	*13.87*	
		For Owner Furnished Material, Deduct	*-2,752.29*	
08 71 11 00-2225	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	275.33	20.02
		For Owner Furnished Material, Deduct	*-221.94*	
08 71 11 00-2226	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	740.92	25.02
		For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2227	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	807.66	50.05
		For Owner Furnished Material, Deduct	*-674.20*	
08 71 11 00-2228	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	975.80	50.05
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2229	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	975.80	50.05
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2230	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	975.80	50.05
		For Owner Furnished Material, Deduct	*-842.34*	
08 71 11 00-2231	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	201.33	20.02
		For Owner Furnished Material, Deduct	*-147.94*	
08 71 11 00-2232	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	433.25	25.02
		For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2233	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	459.95	33.36
		For Owner Furnished Material, Deduct	*-366.53*	
08 71 11 00-2234	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	647.93	50.05
		For Owner Furnished Material, Deduct	*-514.47*	
08 71 11 00-2235	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	647.93	50.05
		For Owner Furnished Material, Deduct	*-514.47*	

08 71 11 00-2236 Door Closers *(08 71 11)*

Note: Includes standard cover and arm.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2237	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	532.11	38.70
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2238	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4010/4020/4110 Series)	645.14	38.70
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2239	EA	Surface Mounted Heavy-Duty Door Closer (LCN 4040XP/4041 Series)	663.11	38.70
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2240	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	685.60	38.70
		For Delayed Action, Add	*12.60*	
		For AVB (5 Lb. Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2241	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	447.46	38.70
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2242	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	451.24	38.70
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2243	EA	Screen Door - Closer	61.37	14.51
08 71 11 00-2244	EA	Screen Door - Locking Handle	68.21	20.81

08 71 11 00-2245 Concealed Door Closers *(08 71 11)*

08 71 11 00-2246	EA	Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,503.29	114.77
08 71 11 00-2247	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,609.22	114.77
08 71 11 00-2248	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	762.26	46.71
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2249	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	824.23	46.71
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2250 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with strike plate, knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2251 Locksmith Services *(08 71 11 00-2250)*

08 71 11 00-2252	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	2.18	
		For >50, Deduct	*-0.44*	
08 71 11 00-2253	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	160.21	
		For >5, Deduct	*-16.02*	
08 71 11 00-2254	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	160.21	
		For >5, Deduct	*-16.02*	
08 71 11 00-2255	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	183.40	
		For >5, Deduct	*-16.02*	
08 71 11 00-2256	EA	Open Locked Doors	160.21	
08 71 11 00-2257	EA	Install Owner Furnished Cores And Cylinders	67.13	

08 71 11 00-2258 Mortise Locksets And Latchsets *(08 71 11 00-2250)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2259	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	882.44	33.36
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*24.72*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*22.47*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*37.45*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*264.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2260	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset	1,048.86	33.36
		Note: Locked with thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.21*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.46*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.77*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*323.14*	
08 71 11 00-2261	EA	Entrance/Office F04 Mortise Lockset	1,166.57	33.36
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*34.09*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*30.99*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*51.66*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*364.69*	
08 71 11 00-2262	EA	Classroom F05 Mortise Lockset	1,089.25	33.36
		Note: Locked with key outside. Inside always unlocked.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*31.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*28.67*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*47.79*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*337.39*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*81.32*	
08 71 11 00-2263	EA	Storeroom/Closet F07 Mortise Lockset	1,089.25	33.36
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*31.54*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*28.67*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*47.79*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*337.39*	
08 71 11 00-2264	EA	Entrance F08 Mortise Lockset	1,215.86	33.36
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*35.72*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*32.47*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*54.12*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*382.09*	
08 71 11 00-2265	EA	Dormitory/Exit F13 Mortise Lockset	1,047.70	33.36
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*30.17*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*27.43*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*45.71*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*322.73*	

08 71 11 00-2266 Locks And Latches *(08 71 11 00-2250)*

08 71 11 00-2267 Preassembled Locks And Latches *(08 71 11 00-2266)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2268	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210)	1,977.94	33.36
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*56.34*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*93.89*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*662.88*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*349.28*	
		For Grade 2, Deduct	*-730.48*	
08 71 11 00-2269	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220)	2,142.11	33.36
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*61.26*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*102.10*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*720.83*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*379.81*	
		For Grade 2, Deduct	*-794.34*	
08 71 11 00-2270	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261)	2,436.48	33.36
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	
08 71 11 00-2271	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	2,436.48	33.36
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	
08 71 11 00-2272	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	2,436.48	33.36
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*70.09*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*116.82*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*824.74*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*434.57*	
		For Grade 2, Deduct	*-908.85*	

08 71 11 00-2273 Bored Locks And Latches *(08 71 11 00-2266)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2274	EA	Passage/Closet F75 Bored Latchset Note: Both sides always unlocked.	320.87	33.36
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.62*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*9.37*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*66.16*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*34.86*	
		For Grade 2, Deduct	*-9.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.75*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2275	EA	Bath/Bedroom Privacy F76 Bored Lockset Note: Locked with push button inside.	365.56	33.36
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*6.96*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*11.61*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*81.93*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*43.17*	
		For Grade 2, Deduct	*-11.61*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*4.64*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2276	EA	Entrance/Office F82 Bored Lockset Note: Locked with key outside and push button inside.	401.60	33.36
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2277	EA	Classroom F84 Bored Lockset Note: Locked with key outside. Inside always unlocked.	401.60	33.36
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2278	EA	Storeroom/Closet F86 Bored Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	401.60	33.36
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2279	EA	Corridor/Dormitory F90 Bored Lockset Note: Locked with key outside and push button inside.	401.60	33.36
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*8.04*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*13.41*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*94.65*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*49.87*	
		For Grade 2, Deduct	*-13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*5.36*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2280		**Other Locks** *(08 71 11 00-2250)* Note: BHMA A156.5.		
08 71 11 00-2281	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	1,108.24	173.50
08 71 11 00-2282	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	2,510.48	346.99
08 71 11 00-2283		**Pushbutton Combination Locks** *(08 71 11 00-2250)*		
08 71 11 00-2284		**Mechanical Pushbutton Combination Locks** *(08 71 11 00-2283)* Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2285		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)** *(08 71 11 00-2284)* Note: Satin chrome or antique brass finish.		
08 71 11 00-2286	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series)	896.42	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2287	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series)	962.39	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2288	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series)	988.77	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2289	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series)	1,054.74	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2290	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series)	1,008.56	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2291	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series)	1,074.53	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2292	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series)	1,100.92	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	
08 71 11 00-2293	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series)	1,166.89	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
		For Fire Rated, Add	*67.52*	

08 71 11 00-2294 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)

(08 71 11 00-2284)

Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.

08 71 11 00-2295	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	992.73	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2296	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	1,045.51	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2297	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,151.05	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2298	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,190.64	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2299	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,190.64	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2300	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	1,124.67	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Schlage Core, Add	*49.35*	

08 71 11 00-2301 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)

(08 71 11 00-2284)

Note: Satin chrome or antique brass finish.

08 71 11 00-2302	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,199.87	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	
08 71 11 00-2303	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	1,239.45	83.92
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
		For Schlage Core, Add	*49.35*	

08 71 11 00-2304 Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)

(08 71 11 00-2284)

Note: Satin stainless, bright brass or antique brass finish.

08 71 11 00-2305	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	517.76	83.92
		For Schlage Core, Add	*49.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2306	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	691.92	83.92
		For Schlage Core, Add	*49.35*	

08 71 11 00-2307 Electrical Pushbutton Combination Locks *(08 71 11 00-2283)*

Note: Privacy option limits access to privileged users (master codes).

08 71 11 00-2308 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2307)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.

08 71 11 00-2309	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	929.40	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2310	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,087.73	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2311	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,127.31	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2312	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	1,061.34	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2313	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	995.37	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2314	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,127.31	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2315	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,153.69	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2316	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,193.27	83.92
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2317	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	1,127.31	83.92
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2318 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2307)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 11 00-2319	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,193.27	83.92
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2320	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	1,193.27	83.92
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2321 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2307)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2322	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,397.77	83.92
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2323	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	1,397.77	83.92
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2324 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2307)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2325	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,503.32	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2326	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,635.26	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2327	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,661.65	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2328	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,701.23	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2329	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,635.26	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2330 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 11 00-2307)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2331	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,130.02	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2332	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,261.96	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2333	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,288.34	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2334	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,327.92	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2335	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	2,261.96	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*106.35*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2336 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 11 00-2307)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2337	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	3,027.18	83.92
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	

08 71 11 00-2338 Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 11 00-2307)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2339	EA	Twelve Button, Stand-Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,899.13	83.92
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

08 71 11 00-2340 Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 11 00-2307)*

08 71 11 00-2341	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	928.22
08 71 11 00-2342	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	1,192.09
08 71 11 00-2343	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	1,587.90
08 71 11 00-2344	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	470.72
08 71 11 00-2345	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series) Note: Includes 4 C-cell battery pack.	144.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2346	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	172.10	
08 71 11 00-2347		**Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)** *(08 71 11 00-2307)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2348	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,160.29	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-824.60*	
08 71 11 00-2349	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,318.61	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-982.92*	
08 71 11 00-2350	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,358.19	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2351	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	1,292.23	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-956.54*	
08 71 11 00-2352	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,226.26	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-890.57*	
08 71 11 00-2353	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,358.19	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2354	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,384.58	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,048.89*	
08 71 11 00-2355	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,424.16	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,088.47*	
08 71 11 00-2356	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	1,358.19	83.92
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-1,022.50*	
08 71 11 00-2357		**Electrical Pushbutton Combination Locks (Schlage)** *(08 71 11 00-2307)*		
		Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2358	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	1,092.70	83.41
		For Owner Furnished Material, Deduct	*-759.06*	
08 71 11 00-2359	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	1,263.10	83.41
		For Owner Furnished Material, Deduct	*-929.46*	
08 71 11 00-2360	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	1,423.54	83.41
		For Owner Furnished Material, Deduct	*-1,089.90*	
08 71 11 00-2361	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,855.08	83.41
		For Owner Furnished Material, Deduct	*-1,521.44*	
08 71 11 00-2362	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	2,026.58	83.41
		For Owner Furnished Material, Deduct	*-1,692.94*	
08 71 11 00-2363	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	2,227.97	83.41
		For Owner Furnished Material, Deduct	*-1,894.33*	
08 71 11 00-2364	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	2,048.72	83.41
		For Owner Furnished Material, Deduct	*-1,715.08*	
08 71 11 00-2365		**Residential Locks And Latchsets** *(08 71 11 00-2250)*		
08 71 11 00-2366	EA	Residential Entry Lockset With Knobs (Master Keyed)	97.20	20.14
08 71 11 00-2367	EA	Residential Privacy Lockset With Knobs	95.33	20.14
08 71 11 00-2368	EA	Residential Passage Lockset With Knobs	95.08	20.14
08 71 11 00-2369	EA	Residential Dummy Lockset With Knobs	75.73	16.79
08 71 11 00-2370	EA	Residential Entry Lockset With Levers (Master Keyed)	110.12	20.14
08 71 11 00-2371	EA	Residential Privacy Lockset With Levers	105.83	20.14
08 71 11 00-2372	EA	Residential Passage Lockset With Levers	102.72	20.14
08 71 11 00-2373	EA	Residential Dummy Lockset With Levers	77.21	16.79
08 71 11 00-2374		**Deadbolts** *(08 71 11 00-2250)*		
08 71 11 00-2375		**Cylindrical Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2374)*		
		Note: 2-3/8" or 2-3/4" backset.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2376	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	225.14	33.36
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2377	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	256.48	33.36
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2378		**Cylindrical Deadbolts, Grade 2, ANSI 156.5** *(08 71 11 00-2374)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2379	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	203.67	33.36
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2380	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	237.91	33.36
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2381		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2374)* Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2382	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	291.29	33.36
08 71 11 00-2383	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	320.30	33.36
08 71 11 00-2384	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	285.49	33.36
08 71 11 00-2385		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2374)* Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2386	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	370.21	33.36
08 71 11 00-2387	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	417.79	33.36
08 71 11 00-2388	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	329.59	33.36
08 71 11 00-2389		**Surface Mounted Deadbolts** *(08 71 11 00-2374)*		
08 71 11 00-2390	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	156.92	33.36
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2391	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	177.89	33.36
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2392	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	194.56	33.36
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2393	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	215.53	33.36
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2394		**Surface Mounted Deadlatches** *(08 71 11 00-2250)*		
08 71 11 00-2395	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	158.57	33.36
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2396	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	194.64	33.36
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2397		**Electric Strikes** *(08 71 11 00-2250)*		
08 71 11 00-2398	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	400.98	66.72
08 71 11 00-2399	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) Note: For rim mounted lock	1,162.44	66.72
08 71 11 00-2400	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) Note: For rim mounted lock	1,110.91	66.72
08 71 11 00-2401	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) Note: For mortise or cylindrical locks	857.74	66.72
08 71 11 00-2402	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) Note: For mortise or cylindrical locks	1,167.93	66.72
08 71 11 00-2403	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) Note: For mortise or cylindrical locks	1,145.57	66.72
08 71 11 00-2404	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) Note: For mortise or cylindrical locks	1,248.72	66.72
08 71 11 00-2405	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) Note: For mortise or cylindrical locks	1,163.37	66.72
08 71 11 00-2406	EA	12/24 Volt DC, 2,500 Lb. Static Strength, Stainless Steel Body, Dual Voltage Electric Strike Body Only (HES 1006)	578.17	66.72
08 71 11 00-2407	EA	12/24 Volt DC, 3,000 Lb. Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	713.11	66.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2408	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	353.56	66.72
08 71 11 00-2409	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	353.56	66.72
08 71 11 00-2410	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	451.22	66.72
08 71 11 00-2411	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	796.62	66.72
08 71 11 00-2412	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	398.79	66.72
08 71 11 00-2413	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	732.83	66.72
08 71 11 00-2414	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body,Fire Rated Concealed Electric Strike (HES 8500)	648.62	66.72
08 71 11 00-2415	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	771.51	88.08
08 71 11 00-2416	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	876.52	88.08
08 71 11 00-2417	EA	12/24 Volt DC, 1,500 Lb. Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	772.07	88.08

08 71 11 00-2418 Electric Hardware *(08 71 11 00-2250)*

08 71 11 00-2419	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	217.79	
08 71 11 00-2420	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	252.89	
08 71 11 00-2421	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	133.04	33.36
08 71 11 00-2422	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	420.56	33.36
08 71 11 00-2423	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	732.43	33.36
08 71 11 00-2424	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	1,123.66	33.36
08 71 11 00-2425	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	1,241.72	33.36
08 71 11 00-2426	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	1,483.40	33.36
08 71 11 00-2427	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,799.86	33.36
08 71 11 00-2428	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	112.61	33.36
08 71 11 00-2429	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	115.02	33.36
08 71 11 00-2430	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	129.80	33.36
08 71 11 00-2431	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	132.74	33.36
08 71 11 00-2432	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	134.23	33.36
08 71 11 00-2433	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	142.72	33.36
08 71 11 00-2434	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	114.14	33.36
08 71 11 00-2435	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	125.99	33.36
08 71 11 00-2436	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	135.38	33.36
08 71 11 00-2437	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	151.60	33.36
08 71 11 00-2438	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	156.10	33.36
08 71 11 00-2439	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	128.95	33.36
08 71 11 00-2440	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	145.55	33.36
08 71 11 00-2441	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	89.53	33.36
08 71 11 00-2442	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	102.37	33.36
08 71 11 00-2443	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	109.16	33.36
08 71 11 00-2444	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	116.42	33.36
08 71 11 00-2445	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	154.24	33.36
08 71 11 00-2446	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	170.03	33.36
08 71 11 00-2447	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	94.78	33.36
08 71 11 00-2448	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	99.73	33.36
08 71 11 00-2449	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	114.47	33.36
08 71 11 00-2450	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	137.92	33.36
08 71 11 00-2451	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	158.91	33.36
08 71 11 00-2452	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	193.36	33.36
08 71 11 00-2453	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	103.03	33.36
08 71 11 00-2454	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	110.62	33.36
08 71 11 00-2455	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	768.01	33.36
08 71 11 00-2456	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	836.06	46.71

08 71 11 00-2457 Magnetic Locks *(08 71 11 00-2250)*

08 71 11 00-2458	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	899.33	160.15
08 71 11 00-2459	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	1,080.53	180.17
08 71 11 00-2460	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	1,055.22	160.15
08 71 11 00-2461	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	1,236.09	180.17
08 71 11 00-2462	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	1,103.67	173.50
08 71 11 00-2463	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	1,210.58	173.50
08 71 11 00-2464	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490)	1,293.80	173.50
08 71 11 00-2465	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,420.17	200.18
08 71 11 00-2466	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,562.29	200.18
08 71 11 00-2467	EA	Electromagnetic Lock, 1,500 Lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,626.31	200.18
08 71 11 00-2468	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	486.35	66.72
08 71 11 00-2469	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	805.64	66.72
08 71 11 00-2470	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	971.58	66.72

08 71 11 00-2471 Occupancy Indicator Locks *(08 71 11 00-2250)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2472	EA	Occupancy Indicator Deadbolt With Thumbturn (Schlage B571) Note: Standard finish is satin chrome	160.40	33.35
		For Bright Brass Finish, Add	*5.28*	
		For Oil Rubbed Bronze Finish, Add	*14.12*	
		For Aged Bronze Finish, Add	*5.28*	
		For Satin Nickel Finish, Add	*5.28*	
08 71 11 00-2473	EA	Occupancy Indicator Lock And Lever (Vizilok C3F) Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides	234.93	33.35
		For Oil Rubbed Bronze Finish, Add	*5.73*	

08 71 11 00-2474 Door Coordinators *(08 71 11)*

08 71 11 00-2475	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	512.40	41.71
		For Anodized Aluminum Finish, Deduct	*-138.23*	
08 71 11 00-2476	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	537.96	43.37
		For Anodized Aluminum Finish, Deduct	*-145.78*	
08 71 11 00-2477	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	551.00	45.04
		For Anodized Aluminum Finish, Deduct	*-148.33*	
08 71 11 00-2478	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	574.86	46.71
		For Anodized Aluminum Finish, Deduct	*-155.21*	
08 71 11 00-2479	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	615.65	48.38
		For Anodized Aluminum Finish, Deduct	*-168.86*	
08 71 11 00-2480	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	122.02	13.35
		For Anodized Aluminum Finish, Deduct	*-27.45*	
08 71 11 00-2481	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	134.50	15.02
		For Anodized Aluminum Finish, Deduct	*-29.78*	
08 71 11 00-2482	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	154.31	16.69
		For Anodized Aluminum Finish, Deduct	*-35.04*	
08 71 11 00-2483	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	115.51	16.69
08 71 11 00-2484	EA	7" Projection COR Series Gravity Type Door Coordinator	170.88	25.02
		For Anodized Aluminum Finish, Deduct	*-28.31*	
08 71 11 00-2485	EA	9" Projection COR Series Gravity Type Door Coordinator	182.20	25.02
		For Anodized Aluminum Finish, Deduct	*-32.84*	

08 71 11 00-2486 Removal And Reinstallation Of Door Hardware *(08 71 11)*

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2487	EA	Removal And Reinstallation Of Door Lockset, Entrance	100.10
08 71 11 00-2488	EA	Removal And Reinstallation Of Door Lockset, Mortise	160.14
08 71 11 00-2489	EA	Removal And Reinstallation Of Deadbolt Lock	106.77
08 71 11 00-2490	PR	Removal And Reinstallation Of Butts/Hinges	26.69
08 71 11 00-2491	EA	Removal And Reinstallation Of Door Bumper	9.34
08 71 11 00-2492	EA	Removal And Reinstallation Of Surface Mounted Panic Device	266.92
08 71 11 00-2493	EA	Removal And Reinstallation Of Kick Plate	33.36
08 71 11 00-2494	EA	Removal And Reinstallation Of Push Plate	26.68
08 71 11 00-2495	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	133.46
08 71 11 00-2496	EA	Removal And Reinstallation Of Door Handles	20.03

08 71 11 00-2497 Electromagnetic Door Release *(08 71 11)*

08 71 11 00-2498	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	658.76	84.07
08 71 11 00-2499	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	643.08	84.07
08 71 11 00-2500	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	722.14	84.07
08 71 11 00-2501	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	1,188.82	84.07
08 71 11 00-2502	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	1,147.21	84.07
08 71 11 00-2503	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	1,147.21	84.07
08 71 11 00-2504	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	1,045.43	84.07
08 71 11 00-2505	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	1,302.77	84.07
08 71 11 00-2506	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	1,242.69	84.07
08 71 11 00-2507	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	1,532.40	84.07
08 71 11 00-2508	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	737.02	84.07
08 71 11 00-2509	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	724.86	84.07
08 71 11 00-2510	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	1,104.95	84.07
08 71 11 00-2511	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	775.89	84.07
08 71 11 00-2512	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	775.89	84.07
08 71 11 00-2513	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	775.89	84.07

08 71 13 Automatic Door Operators *(08 71)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 13 00-0001		**Automatic Door Operators (LCN)** *(08 71 13)*		
08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,654.32	166.82
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	4,654.32	166.82
08 71 13 00-0004		**Automatic Door Operators (Stanley)** *(08 71 13)*		
08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990)	4,488.14	166.82
08 71 13 00-0006	EA	6" Round Stainless Steel Actuator (Stanley CL2216)	288.56	
08 71 13 00-0007	EA	Power Supply (Stanley Precision ELR151)	1,008.04	
08 71 13 00-0008	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections	3,247.04	133.46
08 71 13 00-0009	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) Note: Includes mounting post only	533.39	89.01
08 71 13 00-0010	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box	332.17	34.05
08 71 13 00-0011	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box	202.84	34.05
08 71 13 00-0012	EA	Touchless Plate Door Operator (Stanley CL2025) Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box	327.74	34.05
08 71 13 00-0013	EA	Door Operator Push Plate Assembly (Stanley CL4976) Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver	1,140.06	51.12
08 71 13 00-0014		**Miscellaneous Devices** *(08 71 13)*		
08 71 13 00-0015	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches	633.94	50.05
08 71 13 00-0016	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	187.72	30.02
08 71 13 00-0017	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	238.78	30.02
08 71 13 00-0018	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	133.50	30.02
08 71 53		**Security Door Hardware** *(08 71)*		
08 71 53 00-0001		**Door Exit Alarm Hardware** *(08 71 53)*		
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	405.76	50.05
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	560.24	50.05
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	471.75	50.05
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.	608.37	50.05
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	707.32	66.72
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) Note: For use with Detex EAX exit alarms.	125.00	66.72

08 72 Weatherstripping, Thresholds and Seals *(08 70)*

08 72 33 Weatherstripping and Seals *(08 72)*

08 72 33 00-0001		**Weather-Stripping And Seals** *(08 72 33)*		
08 72 33 00-0002		**Astragals** *(08 72 33 00-0001)* Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003		**Adhesive Backed Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	5.74	1.01
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	6.40	1.01
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	4.88	1.01
08 72 33 00-0007		**Overlapping Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0008		**Aluminum, Overlapping Astragals** *(08 72 33 00-0007)*		
08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	22.86	6.00
		For Color Anodized Finish, Add	*3.30*	
08 72 33 00-0010		**Stainless Steel, Overlapping Astragals** *(08 72 33 00-0007)*		
08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	46.31	6.00
08 72 33 00-0012		**"T" Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0013		**Aluminum, "T" Astragals** *(08 72 33 00-0012)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	14.83	6.00
		For Color Anodized Finish, Add	*1.04*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	18.69	6.00
		For Color Anodized Finish, Add	*1.36*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	19.29	6.00
		For Color Anodized Finish, Add	*2.60*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	35.81	6.00
		For Color Anodized Finish, Add	*8.38*	
08 72 33 00-0018		**Brass/Bronze, "T" Astragals** *(08 72 33 00-0012)*		
08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	55.66	6.00
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0020		**Locking Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0021		**Outswing Locking Astragals** *(08 72 33 00-0020)*		
		Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022		**Aluminum, Outswing Locking Astragals** *(08 72 33 00-0021)*		
08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	47.97	6.00
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*7.22*	
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	55.71	6.00
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*8.77*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	53.83	6.00
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.52*	
08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	60.12	6.00
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*2.90*	
08 72 33 00-0027		**Inswing Locking Astragals** *(08 72 33 00-0020)*		
		Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028		**Wood, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	56.18	6.00
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	55.90	6.00
		Note: Includes kerf-in foam seal.		
08 72 33 00-0031		**Aluminum, Inswing Locking Astragals** *(08 72 33 00-0027)*		
08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	31.75	6.00
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.98*	
08 72 33 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	38.22	6.00
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*5.27*	
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	34.20	6.00
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*4.47*	
08 72 33 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	40.61	6.00
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*5.75*	
08 72 33 00-0036		**Security Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	29.60	6.00
		For Color Anodized Finish, Add	*17.73*	
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	49.96	6.00
08 72 33 00-0039		**Meeting Stile Astragals** *(08 72 33 00-0002)*		
08 72 33 00-0040		**One Piece, Meeting Stile Astragals** *(08 72 33 00-0039)*		
		Note: Includes an astragal for one door only.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	18.47	6.00
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	28.81	8.94
		For Color Anodized Finish, Add	*4.40*	
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	38.38	8.94
		For Color Anodized Finish, Add	*2.06*	
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	39.60	8.94
		For Color Anodized Finish, Add	*5.45*	
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	37.57	8.94
08 72 33 00-0046		**Two Piece, Meeting Stile Split Astragals** *(08 72 33 00-0039)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	22.88	8.94
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*5.06*	
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	22.88	8.94
		For Color Anodized Finish, Add	*5.06*	
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	22.88	8.94
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*5.06*	
08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	36.29	8.94
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.69*	
08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	29.69	8.94
		For Color Anodized Finish, Add	*4.75*	
08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	30.57	8.94
		For Color Anodized Finish, Add	*5.10*	
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	37.17	8.94
		For Color Anodized Finish, Add	*9.68*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	38.05	8.94
		For Color Anodized Finish, Add	*8.09*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	38.93	8.94
		For Color Anodized Finish, Add	*8.44*	
08 72 33 00-0056		**Two Piece, Adjustable Meeting Stile Split Astragals** *(08 72 33 00-0039)*		
		Note: Includes one astragal for each door.		
08 72 33 00-0057		**Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0056)*		
08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	70.14	8.94
		For Color Anodized Finish, Add	*13.08*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	71.53	8.94
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*10.74*	
08 72 33 00-0060		**Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals** *(08 72 33 00-0056)*		
08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	166.14	8.94
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	155.76	8.94
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0063		**Door Sweeps** *(08 72 33 00-0001)*		
08 72 33 00-0064		**Tack On Door Sweeps** *(08 72 33 00-0063)*		
08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	8.22	3.34
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	8.35	3.34
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	8.74	3.34
08 72 33 00-0068		**Aluminum Retainer Door Sweeps** *(08 72 33 00-0063)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0069		35 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	19.72	6.67
		For Color Anodized Finish, Add	*2.55*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	20.38	6.67
		For Color Anodized Finish, Add	*2.46*	
08 72 33 00-0072		45 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned 45-degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	30.93	6.67
		For Color Anodized Finish, Add	*7.04*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	33.57	6.67
		For Color Anodized Finish, Add	*8.09*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	39.28	6.67
		For Color Anodized Finish, Add	*10.38*	
08 72 33 00-0076		90 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	21.91	6.67
		For Color Anodized Finish, Add	*0.86*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	21.69	6.67
		For Color Anodized Finish, Add	*0.84*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	23.23	6.67
		For Color Anodized Finish, Add	*3.46*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	23.89	6.67
		For Color Anodized Finish, Add	*4.22*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	21.25	6.67
		For Color Anodized Finish, Add	*1.98*	
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	27.41	6.67
		For Color Anodized Finish, Add	*2.81*	
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	22.57	6.67
		For Color Anodized Finish, Add	*1.85*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	16.80	6.67
		For Color Anodized Finish, Add	*1.73*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	16.97	6.67
		For Color Anodized Finish, Add	*1.82*	
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	18.84	6.67
		For Color Anodized Finish, Add	*1.93*	
08 72 33 00-0087		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0088		180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	19.28	6.67
		For Color Anodized Finish, Add	*2.38*	
08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	19.72	6.67
		For Color Anodized Finish, Add	*2.55*	
08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	23.23	6.67
		For Color Anodized Finish, Add	*3.46*	
08 72 33 00-0092		180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*		
08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	23.45	6.67
		For Color Anodized Finish, Add	*4.04*	
08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	23.89	6.67
		For Color Anodized Finish, Add	*4.22*	
08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	25.74	6.67
		For Color Anodized Finish, Add	*4.96*	
08 72 33 00-0096		Mortised, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)* Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	17.30	6.67
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	17.30	6.67
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	17.52	6.67
08 72 33 00-0100		Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0063)*		
08 72 33 00-0101		90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0100)* Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	16.86	6.67
		For Color Anodized Finish, Add	*2.46*	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	19.72	6.67
		For Color Anodized Finish, Add	*2.55*	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	21.86	6.67
		For Color Anodized Finish, Add	*1.70*	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	22.24	6.67
		For Color Anodized Finish, Add	*1.78*	

08 72 33 00-0106 Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0107 90 Degree, Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0106)*

Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.

08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	26.53	6.67

08 72 33 00-0109 Oak Retainer Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0110 90 Degree, Oak Retainer Door Sweeps *(08 72 33 00-0109)*

Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.

08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	21.47	6.67
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	24.94	6.67

08 72 33 00-0113 Door Shoes And Bottoms *(08 72 33 00-0001)*

08 72 33 00-0114 Door Shoes *(08 72 33 00-0113)*

08 72 33 00-0115 Aluminum Retainer Door Shoes *(08 72 33 00-0114)*

08 72 33 00-0116 Bottom Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*

08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	18.62	6.67
		For Color Anodized Finish, Add	*2.11*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	19.28	6.67
		For Color Anodized Finish, Add	*2.38*	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	25.65	6.67
		For Color Anodized Finish, Add	*2.46*	

08 72 33 00-0120 Side Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*

08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	21.47	6.67
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	

08 72 33 00-0122 L Or U Shaped, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*

08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	19.72	6.67
		For Color Anodized Finish, Add	*3.19*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	21.03	6.67
		For Color Anodized Finish, Add	*3.08*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	21.47	6.67
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	30.41	6.67
		For Color Anodized Finish, Add	*3.41*	
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	30.85	6.67
		For Color Anodized Finish, Add	*3.50*	

08 72 33 00-0128 L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*

08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	20.16	6.67
		For Color Anodized Finish, Add	*3.41*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	21.47	6.67
		For Color Anodized Finish, Add	*3.25*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	21.69	6.67
		For Color Anodized Finish, Add	*3.34*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	

08 72 33 00-0132 Vinyl Door Shoes *(08 72 33 00-0114)*

08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	24.45	6.67
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	29.46	6.67

08 72 33 00-0135 Door Bottoms *(08 72 33 00-0113)*

08 72 33 00-0136 Automatic Door Bottoms *(08 72 33 00-0135)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0137		**Aluminum Automatic Door Bottoms** *(08 72 33 00-0136)*		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	42.29	6.67
		For Color Anodized Finish, Add	*5.79*	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	60.42	6.67
		For Color Anodized Finish, Add	*9.42*	
08 72 33 00-0140		**Door Top Protection** *(08 72 33 00-0001)*		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	15.50	5.34
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.32*	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	15.50	5.34
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.32*	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	19.58	5.34
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*2.44*	
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	71.53	
08 72 33 00-0145		**Perimeter Gasketing Weather-Strip** *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		**Adhesive Backed Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	4.90	3.34
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	4.95	3.34
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	6.50	3.34
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	5.37	3.34
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	7.08	3.34
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	6.56	3.34
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	8.68	3.34
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	8.02	3.34
08 72 33 00-0155		**Kerf-In Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	4.36	3.34
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	6.51	3.34
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	4.88	3.34
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	4.82	3.34
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	6.29	3.34
08 72 33 00-0161		**Cushion/Spring Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0162		**Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0161)*		
08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	9.50	3.34
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	9.50	3.34
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	10.07	3.34
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	10.18	3.34
08 72 33 00-0167		**Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0161)*		
08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	9.19	3.34
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	10.07	3.34
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	11.02	3.34
08 72 33 00-0171		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0172		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0171)*		
08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	9.20	3.34
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	9.20	3.34
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	9.20	3.34
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*2.53*	
08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	15.90	3.34
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	16.34	3.34
		For Color Anodized Finish, Add	*4.84*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	16.34	3.34
		For Color Anodized Finish, Add	*3.38*	
08 72 33 00-0179		Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0171)*		
08 72 33 00-0180		Standard Jamb, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	15.57	3.34
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0182		Head Section, Heavy-Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0179)*		
08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy-Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	17.31	3.34
08 72 33 00-0184		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0185		Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	23.67	3.34
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	38.90	3.34
08 72 33 00-0188		Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0189		Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy-Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	33.84	3.34
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	22.45	6.67
		For Color Anodized Finish, Add	*3.64*	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	23.21	6.67
		For Color Anodized Finish, Add	*3.95*	
08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	28.34	3.34
		For Color Anodized Finish, Add	*4.33*	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	29.88	3.34
		For Color Anodized Finish, Add	*4.64*	
08 72 43		**Thresholds** *(08 72)*		
08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	35.03	10.68
		For Color Anodized Finish, Add	*3.34*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	38.77	10.68
		For Color Anodized Finish, Add	*4.84*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	45.22	13.34
		For Color Anodized Finish, Add	*8.31*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	49.42	13.34
		For Color Anodized Finish, Add	*8.04*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	54.46	13.34
		For Color Anodized Finish, Add	*7.39*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	61.93	13.34
		For Color Anodized Finish, Add	*7.15*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	74.33	16.01
		For Color Anodized Finish, Add	*8.58*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	79.38	16.01
		For Color Anodized Finish, Add	*9.84*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	87.44	16.01
		For Color Anodized Finish, Add	*11.85*	
08 72 43 00-0016		**5/16" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	38.11	10.68
		For Color Anodized Finish, Add	*4.00*	
08 72 43 00-0018		**1/2" Height, Aluminum Saddle Thresholds** *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	38.33	10.68
		For Color Anodized Finish, Add	*5.83*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	46.98	13.34
		For Color Anodized Finish, Add	*9.54*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	51.27	13.34
		For Color Anodized Finish, Add	*8.96*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	54.89	13.34
		For Color Anodized Finish, Add	*7.54*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	61.93	13.34
		For Color Anodized Finish, Add	*7.15*	
08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	76.96	16.01
		For Color Anodized Finish, Add	*12.93*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	81.58	16.01
		For Color Anodized Finish, Add	*16.62*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	86.20	16.01
		For Color Anodized Finish, Add	*18.47*	
08 72 43 00-0027		**Brass/Bronze Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0028		**3/16" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	72.92	10.68
08 72 43 00-0030		**1/4" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	108.28	10.68
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	131.27	13.34
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	155.75	13.34
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	179.55	13.34
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	206.75	13.34
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	264.43	16.01
08 72 43 00-0037		**1/2" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	142.15	13.34
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	169.35	13.34
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	196.55	13.34
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	230.55	13.34
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	324.50	16.01
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	308.90	16.01
08 72 43 00-0044		**Stainless Steel Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0045		**1/2" Height, Stainless Steel Saddle Thresholds** *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	121.75	13.34
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	128.55	13.34
08 72 43 00-0048		**Half Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0049		**Aluminum Half Saddle Thresholds** *(08 72 43 00-0048)* Note: Includes mill finish.		
08 72 43 00-0050		**3/4" Height, Aluminum Half Saddle Thresholds** *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	55.41	13.34
		For Color Anodized Finish, Add	*8.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	71.38	13.34
		For Color Anodized Finish, Add	*3.80*	
08 72 43 00-0053		**Offset Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0054		**Aluminum Offset Saddle Thresholds** *(08 72 43 00-0053)*		
		Note: Includes mill finish.		
08 72 43 00-0055		**1/2" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	55.55	13.34
		For Color Anodized Finish, Add	*11.10*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	61.27	13.34
		For Color Anodized Finish, Add	*9.77*	
08 72 43 00-0058		**3/4" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	55.55	13.34
		For Color Anodized Finish, Add	*11.10*	
08 72 43 00-0060		**1" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	63.47	13.34
		For Color Anodized Finish, Add	*10.54*	
08 72 43 00-0062		**Modular Ramp Thresholds** *(08 72 43 00-0001)*		
		Note: Includes mill finish.		
08 72 43 00-0063		**Flush, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	58.53	13.34
		For Non-Slip Surfacing, Add	*95.55*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	72.97	14.68
		For Non-Slip Surfacing, Add	*122.14*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	92.69	16.68
		For Non-Slip Surfacing, Add	*166.15*	
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	117.65	17.34
		For Non-Slip Surfacing, Add	*223.99*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	136.85	18.68
		For Non-Slip Surfacing, Add	*298.50*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	169.39	20.68
		For Non-Slip Surfacing, Add	*332.90*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	188.92	22.68
		For Non-Slip Surfacing, Add	*373.26*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	200.38	24.01
		For Non-Slip Surfacing, Add	*380.88*	
08 72 43 00-0072		**3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	98.77	16.68
		For Non-Slip Surfacing, Add	*176.63*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	115.83	17.34
		For Non-Slip Surfacing, Add	*219.08*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	144.79	20.01
		For Non-Slip Surfacing, Add	*272.38*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	170.04	21.35
		For Non-Slip Surfacing, Add	*331.11*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	195.20	22.68
		For Non-Slip Surfacing, Add	*389.58*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	213.39	24.01
		For Non-Slip Surfacing, Add	*429.94*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	261.23	25.35
		For Non-Slip Surfacing, Add	*547.40*	
08 72 43 00-0080		**7" Top Plate, Offset, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	114.20	18.01
		For Non-Slip Surfacing, Add	*218.88*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	133.92	20.01
		For Non-Slip Surfacing, Add	*262.89*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	160.20	21.35
		For Non-Slip Surfacing, Add	*317.28*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	179.41	22.68
		For Non-Slip Surfacing, Add	*361.94*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	210.62	24.01
		For Non-Slip Surfacing, Add	*422.73*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	228.80	25.35
		For Non-Slip Surfacing, Add	*463.09*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	263.91	26.68
		For Non-Slip Surfacing, Add	*526.35*	
08 72 43 00-0088		**Accessories For Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0089		Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	269.68	16.68
		For Non-Slip Surfacing, Add	*28.36*	
08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	414.42	16.68
		For Non-Slip Surfacing, Add	*45.73*	
08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	819.82	23.35
		For Non-Slip Surfacing, Add	*92.78*	
08 72 43 00-0093		Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*		
08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	269.68	16.68
		For Non-Slip Surfacing, Add	*28.36*	
08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	414.42	16.68
		For Non-Slip Surfacing, Add	*45.73*	
08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	819.82	23.35
		For Non-Slip Surfacing, Add	*92.78*	
08 72 43 00-0097		Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)*		
		Note: Includes vinyl or pile seal.		
08 72 43 00-0098		Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
		Note: Includes mill finish.		
08 72 43 00-0099		Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0100		7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	66.99	13.34
		For Color Anodized Finish, Add	*11.77*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	55.77	13.34
		For Color Anodized Finish, Add	*11.21*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	74.02	13.34
		For Color Anodized Finish, Add	*14.23*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	77.10	13.34
		For Color Anodized Finish, Add	*15.31*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0105		1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*		
08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	53.14	13.34
		For Color Anodized Finish, Add	*9.90*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	56.21	13.34
		For Color Anodized Finish, Add	*11.43*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0108		Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*		
08 72 43 00-0109		7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*		
08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	59.51	13.34
		For Color Anodized Finish, Add	*10.46*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	62.37	13.34
		For Color Anodized Finish, Add	*11.61*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	66.55	13.34
		For Color Anodized Finish, Add	*11.62*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	71.27	13.34
		For Color Anodized Finish, Add	*13.27*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0114		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*		
08 72 43 00-0115		Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0116		7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	197.91	13.34
		For Thermoseal, Add	*0.63*	
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	184.31	13.34
		For Thermoseal, Add	*0.63*	
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	260.47	13.34
		For Thermoseal, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	234.09	13.34
		For Thermoseal, Add	*0.63*	
08 72 43 00-0121		1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*		
08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	194.92	13.34
		For Thermoseal, Add	*0.63*	
08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	204.68	14.68
		For Thermoseal, Add	*0.63*	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	214.06	14.68
		For Thermoseal, Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	264.79	14.68
		For Thermoseal, Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	242.99	15.34
		For Thermoseal, Add	*0.63*	
08 72 43 00-0129		Carpet Separator Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)* Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	40.09	10.68
		For Color Anodized Finish, Add	*5.36*	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	32.58	9.34
		For Color Anodized Finish, Add	*3.23*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	49.84	10.68
		For Color Anodized Finish, Add	*6.60*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	59.07	10.68
		For Color Anodized Finish, Add	*10.29*	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	29.73	9.34
		For Color Anodized Finish, Add	*1.60*	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	32.58	9.34
		For Color Anodized Finish, Add	*2.77*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	50.50	13.34
		For Color Anodized Finish, Add	*6.86*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	53.14	13.34
		For Color Anodized Finish, Add	*5.94*	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0129)*		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	109.78	10.68
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	141.16	9.34
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	131.95	13.34
08 72 43 00-0149		Vinyl Transition Thresholds *(08 72 43 00-0001)* Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	48.15	10.68
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)* Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	48.15	10.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	51.62	13.34
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	55.19	13.34
08 72 43 00-0158		Residential Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0159		Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	20.71	6.67
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	21.44	6.67
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	28.95	7.10
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	29.40	7.36
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	44.59	7.58
08 72 43 00-0165		Vinyl Top, Wood Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	24.74	6.67
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	30.06	7.36
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	55.78	7.36
08 72 43 00-0169		Vinyl Top, Aluminum Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	24.81	6.67
		For Color Anodized Finish, Add	*3.25*	
08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	28.96	7.36
		For Color Anodized Finish, Add	*4.22*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	30.72	7.36
		For Color Anodized Finish, Add	*4.92*	
08 72 43 00-0173		Interlocking Residential Thresholds *(08 72 43 00-0158)*		
08 72 43 00-0174		Aluminum Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0175		1/2" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	54.77	7.58
		For Color Anodized Finish, Add	*10.75*	
08 72 43 00-0177		5/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	36.44	7.10
		For Color Anodized Finish, Add	*5.61*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	33.14	7.36
		For Color Anodized Finish, Add	*7.37*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	38.51	7.58
		For Color Anodized Finish, Add	*5.87*	
08 72 43 00-0181		7/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*		
08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	42.02	7.58
		For Color Anodized Finish, Add	*11.54*	
08 72 43 00-0183		Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0173)*		
08 72 43 00-0184		1/2" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	144.74	7.58
08 72 43 00-0186		5/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	110.21	7.36
08 72 43 00-0188		7/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*		
08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	148.14	7.58
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	209.88	7.79
08 72 43 00-0191		Residential Door Sills *(08 72 43 00-0001)*		
08 72 43 00-0192		Fixed Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	31.47	7.58
		For Color Anodized Finish, Add	*6.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	33.73	7.79
		For Color Anodized Finish, Add	*5.70*	
08 72 43 00-0195		Adjustable Aluminum Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	44.90	7.58
		For Color Anodized Finish, Add	*9.09*	
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	46.09	7.79
		For Color Anodized Finish, Add	*9.31*	
08 72 43 00-0198		Adjustable Wood Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	45.42	7.36
		For Color Anodized Finish, Add	*9.45*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	45.95	7.58
		For Color Anodized Finish, Add	*6.75*	
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	47.95	7.79
		For Color Anodized Finish, Add	*7.12*	
08 72 43 00-0202		Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*		
08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	18.84	6.67
		For Color Anodized Finish, Add	*3.85*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	20.59	6.67
		For Color Anodized Finish, Add	*3.63*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	22.35	6.67
		For Color Anodized Finish, Add	*2.25*	
08 72 43 00-0206		Stone Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0207		Marble Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	21.54	8.27
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	23.88	8.27
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	27.01	8.27
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	34.06	8.27
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	42.32	8.27
08 72 43 00-0213		Corian Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	94.92	11.07

08 75 Window Hardware *(08 70)*

08 75 13 Automatic Window Equipment *(08 75)*

08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75 13)*		
08 75 13 00-0002	EA	Gym Window Electronic Opener	2,235.74	284.27

08 78 Special Function Hardware *(08 70)*

08 78 00 00-0001		Pad Locks *(08 78)*		
08 78 00 00-0002	EA	Combination Padlock	26.70	6.67
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	60.93	6.67
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	56.29	6.67
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	62.04	6.67
08 78 00 00-0006	EA	Commercial U-Bar Lock	75.33	6.67
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	63.19	6.67
08 78 00 00-0008	EA	High Security Padlocks	57.05	6.67
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	30.08	6.67

08 79 Hardware Accessories *(08 70)*

08 79 13 Key Storage Equipment *(08 79)*

08 79 13 00-0001		Key Cabinet *(08 79 13)*		
08 79 13 00-0002		Key Cabinets *(08 79 13 00-0001)*		
08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys	535.02	24.01
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys	722.28	26.68
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys	1,621.31	40.03
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	4,179.78	53.37
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys	4,460.56	35.35
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	10,077.67	26.68
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys	225.00	10.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys	320.85	13.34
08 79 13 00-0011		Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 13 00-0001)*		
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	307.05	20.02
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	347.78	20.02
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box Note: Including Storage And Cleaning	68.06	
08 79 13 00-0015	EA	Relocate Heavy-Duty Key Box, With Combo Lock Door Note: Including Storage And Cleaning	153.47	

08 80 Glazing *(08)*

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks.

08 81 Glass Glazing *(08 80)*

08 81 23 Exterior Glass Glazing *(08 81)*

08 81 23 13 Factory Installed Glass Glazing *(08 81 23)*

08 81 23 13-0001 Clear Float Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0002 Clear Float Factory Installed Glass *(08 81 23 13-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	8.74
		For >50 To 200, Deduct	*-0.26*
		For >200 To 400, Deduct	*-0.52*
		For >400, Deduct	*-0.79*
		For Tinted Glass, Add	*2.19*
		For Reflective Coated Glass, Add	*3.93*
		For Low-E Coated Glass, Add	*2.19*
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	9.37
		For >50 To 200, Deduct	*-0.28*
		For >200 To 400, Deduct	*-0.56*
		For >400, Deduct	*-0.84*
		For Tinted Glass, Add	*2.34*
		For Reflective Coated Glass, Add	*4.22*
		For Low-E Coated Glass, Add	*2.34*
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	11.36
		For >50 To 200, Deduct	*-0.34*
		For >200 To 400, Deduct	*-0.68*
		For >400, Deduct	*-1.02*
		For Tinted Glass, Add	*2.84*
		For Reflective Coated Glass, Add	*5.11*
		For Low-E Coated Glass, Add	*2.84*
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	18.89
		For >50 To 200, Deduct	*-0.57*
		For >200 To 400, Deduct	*-1.13*
		For >400, Deduct	*-1.70*
		For Tinted Glass, Add	*4.72*
		For Reflective Coated Glass, Add	*8.50*
		For Low-E Coated Glass, Add	*4.72*
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	27.48
		For >50 To 200, Deduct	*-0.82*
		For >200 To 400, Deduct	*-1.65*
		For >400, Deduct	*-2.47*
		For Tinted Glass, Add	*6.87*
		For Reflective Coated Glass, Add	*12.37*
		For Low-E Coated Glass, Add	*6.87*
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	30.20
		For >50 To 200, Deduct	*-0.91*
		For >200 To 400, Deduct	*-1.81*
		For >400, Deduct	*-2.72*
		For Tinted Glass, Add	*7.55*
		For Reflective Coated Glass, Add	*13.59*
		For Low-E Coated Glass, Add	*7.55*
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	36.13
		For >50 To 200, Deduct	*-1.08*
		For >200 To 400, Deduct	*-2.17*
		For >400, Deduct	*-3.25*
		For Tinted Glass, Add	*9.03*
		For Reflective Coated Glass, Add	*16.26*
		For Low-E Coated Glass, Add	*9.03*
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	44.63
		For >50 To 200, Deduct	*-1.34*
		For >200 To 400, Deduct	*-2.68*
		For >400, Deduct	*-4.02*
		For Tinted Glass, Add	*11.16*
		For Reflective Coated Glass, Add	*20.08*
		For Low-E Coated Glass, Add	*11.16*

08 81 23 13-0011 Heat Treated Factory Installed Glass *(08 81 23 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0012		**Tempered, Clear Float Factory Installed Glass** *(08 81 23 13-0011)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	13.01	
		For >50 To 200, Deduct	*-0.39*	
		For >200 To 400, Deduct	*-0.78*	
		For >400, Deduct	*-1.17*	
		For Tinted Glass, Add	*3.25*	
		For Reflective Coated Glass, Add	*5.85*	
		For Low-E Coated Glass, Add	*3.25*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	13.90	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.25*	
		For Tinted Glass, Add	*3.48*	
		For Reflective Coated Glass, Add	*6.26*	
		For Low-E Coated Glass, Add	*3.48*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	16.91	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.01*	
		For >400, Deduct	*-1.52*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*7.61*	
		For Low-E Coated Glass, Add	*4.23*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	28.15	
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.69*	
		For >400, Deduct	*-2.53*	
		For Tinted Glass, Add	*7.04*	
		For Reflective Coated Glass, Add	*12.67*	
		For Low-E Coated Glass, Add	*7.04*	
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	40.91	
		For >50 To 200, Deduct	*-1.23*	
		For >200 To 400, Deduct	*-2.45*	
		For >400, Deduct	*-3.68*	
		For Tinted Glass, Add	*10.23*	
		For Reflective Coated Glass, Add	*18.41*	
		For Low-E Coated Glass, Add	*10.23*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	44.94	
		For >50 To 200, Deduct	*-1.35*	
		For >200 To 400, Deduct	*-2.70*	
		For >400, Deduct	*-4.04*	
		For Tinted Glass, Add	*11.24*	
		For Reflective Coated Glass, Add	*20.22*	
		For Low-E Coated Glass, Add	*11.24*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	53.77	
		For >50 To 200, Deduct	*-1.61*	
		For >200 To 400, Deduct	*-3.23*	
		For >400, Deduct	*-4.84*	
		For Tinted Glass, Add	*13.44*	
		For Reflective Coated Glass, Add	*24.20*	
		For Low-E Coated Glass, Add	*13.44*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	66.42	
		For >50 To 200, Deduct	*-1.99*	
		For >200 To 400, Deduct	*-3.99*	
		For >400, Deduct	*-5.98*	
		For Tinted Glass, Add	*16.61*	
		For Reflective Coated Glass, Add	*29.89*	
		For Low-E Coated Glass, Add	*16.61*	
08 81 23 13-0021		**Patterned Factory Installed Glass** *(08 81 23 13)*		
08 81 23 13-0022		**Rough Obscure, Factory Installed Glass** *(08 81 23 13-0021)* Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	71.08	
08 81 23 13-0024		**Patterned, Figured Factory Installed Glass** *(08 81 23 13-0021)* Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	43.18	
08 81 23 13-0027		**Wired Factory Installed Glass** *(08 81 23 13)*		
08 81 23 13-0028		**Square Or Diamond Pattern, Wired Factory Installed Glass** *(08 81 23 13-0027)* Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	111.76	
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	111.76	
08 81 23 13-0031		**Polished, Wired Factory Installed Glass** *(08 81 23 13-0027)*		
08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	122.17	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0033		Frosted Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0034		Frosted Factory Installed Glass *(08 81 23 13-0033)*		
08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	56.50	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.39*	
		For >400, Deduct	*-5.09*	
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	74.14	
		For >50 To 200, Deduct	*-2.22*	
		For >200 To 400, Deduct	*-4.45*	
		For >400, Deduct	*-6.67*	
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	93.71	
		For >50 To 200, Deduct	*-2.81*	
		For >200 To 400, Deduct	*-5.62*	
		For >400, Deduct	*-8.43*	
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	140.08	
		For >50 To 200, Deduct	*-4.20*	
		For >200 To 400, Deduct	*-8.40*	
		For >400, Deduct	*-12.61*	
08 81 23 13-0039		Fire Rated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0040		Fire Rated Factory Installed Glass *(08 81 23 13-0039)*		
08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	53.66	
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	106.83	
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	165.10	
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	218.52	
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	35.44	
		For >50 To 200, Deduct	*-1.06*	
		For >200 To 400, Deduct	*-2.13*	
		For >400, Deduct	*-3.19*	
		For Tinted Glass, Add	*7.09*	
		For Reflective Coated Glass, Add	*10.63*	
		For Low-E Coated Glass, Add	*8.86*	
		For One Piece Heat Strengthened Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	44.24	
		For >50 To 200, Deduct	*-1.33*	
		For >200 To 400, Deduct	*-2.65*	
		For >400, Deduct	*-3.98*	
		For Tinted Glass, Add	*8.85*	
		For Reflective Coated Glass, Add	*13.27*	
		For Low-E Coated Glass, Add	*11.06*	
		For One Piece Heat Strengthened Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	51.11	
		For >50 To 200, Deduct	*-1.53*	
		For >200 To 400, Deduct	*-3.07*	
		For >400, Deduct	*-4.60*	
		For Tinted Glass, Add	*10.22*	
		For Reflective Coated Glass, Add	*15.33*	
		For Low-E Coated Glass, Add	*12.78*	
		For One Piece Heat Strengthened Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass	21.80	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.65*	
		For >200 To 400, Deduct	*-1.31*	
		For >400, Deduct	*-1.96*	
		For Tinted Glass, Add	*3.27*	
		For Reflective Coated Glass, Add	*6.54*	
		For Low-E Coated Glass, Add	*5.45*	
		For One Piece Heat Strengthened Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.00*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass	23.82	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.14*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass	23.86	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.15*	
		For Tinted Glass, Add	*3.58*	
		For Reflective Coated Glass, Add	*7.16*	
		For Low-E Coated Glass, Add	*5.97*	
		For One Piece Heat Strengthened Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.14*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass	22.44	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.35*	
		For >400, Deduct	*-2.02*	
		For Tinted Glass, Add	*3.37*	
		For Reflective Coated Glass, Add	*6.73*	
		For Low-E Coated Glass, Add	*5.61*	
		For One Piece Heat Strengthened Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.54*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.09*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass	23.82	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.43*	
		For >400, Deduct	*-2.14*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass	24.09	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass	24.09	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass	27.54	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.83*	
		For >200 To 400, Deduct	*-1.65*	
		For >400, Deduct	*-2.48*	
		For Tinted Glass, Add	*4.13*	
		For Reflective Coated Glass, Add	*8.26*	
		For Low-E Coated Glass, Add	*6.89*	
		For One Piece Heat Strengthened Glass, Add	*5.51*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.51*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.70*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.79*	
08 81 23 13-0062		3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass	24.09	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.72*	
		For >200 To 400, Deduct	*-1.45*	
		For >400, Deduct	*-2.17*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass	25.24	
		Note: Two 3/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.51*	
		For >400, Deduct	*-2.27*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.73*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass	27.99	
		Note: Two 1/4" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.90*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.85*	
08 81 23 13-0066	SF	1" Thick, Insulated Factory Installed Glass	31.62	
		Note: Two 5/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.95*	
		For >200 To 400, Deduct	*-1.90*	
		For >400, Deduct	*-2.85*	
		For Tinted Glass, Add	*4.74*	
		For Reflective Coated Glass, Add	*9.49*	
		For Low-E Coated Glass, Add	*7.91*	
		For One Piece Heat Strengthened Glass, Add	*6.32*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*6.32*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*13.44*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*4.35*	
08 81 23 13-0067		1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068	SF	3/4" Thick, Insulated Factory Installed Glass	25.24	
		Note: Two 1/8" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-0.76*	
		For >200 To 400, Deduct	*-1.51*	
		For >400, Deduct	*-2.27*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.73*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.47*	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass	27.99	
		Note: Two 3/16" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.90*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.85*	
08 81 23 13-0070	SF	7/8" Thick, Insulated Factory Installed Glass	27.99	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For >50 To 200, Deduct	*-0.84*	
		For >200 To 400, Deduct	*-1.68*	
		For >400, Deduct	*-2.52*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.90*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0071	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	30.61	
		For >50 To 200, Deduct	*-0.92*	
		For >200 To 400, Deduct	*-1.84*	
		For >400, Deduct	*-2.75*	
		For Tinted Glass, Add	*4.59*	
		For Reflective Coated Glass, Add	*9.18*	
		For Low-E Coated Glass, Add	*7.65*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.01*	
		For Argon Gas, Add	*4.21*	

08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass *(08 81 23 13-0050)*

08 81 23 13-0073	SF	1" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	85.72	
		For >50 To 200, Deduct	*-2.57*	
		For >200 To 400, Deduct	*-5.14*	
		For >400, Deduct	*-7.71*	
		For Tinted Glass, Add	*12.86*	
		For Reflective Coated Glass, Add	*25.72*	
		For Low-E Coated Glass, Add	*21.43*	
		For Argon Gas, Add	*11.79*	
08 81 23 13-0074	SF	1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	104.08	
		For >50 To 200, Deduct	*-3.12*	
		For >200 To 400, Deduct	*-6.24*	
		For >400, Deduct	*-9.37*	
		For Tinted Glass, Add	*15.61*	
		For Reflective Coated Glass, Add	*31.22*	
		For Low-E Coated Glass, Add	*26.02*	
		For Argon Gas, Add	*14.31*	
08 81 23 13-0075	SF	1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	122.44	
		For >50 To 200, Deduct	*-3.67*	
		For >200 To 400, Deduct	*-7.35*	
		For >400, Deduct	*-11.02*	
		For Tinted Glass, Add	*18.37*	
		For Reflective Coated Glass, Add	*36.73*	
		For Low-E Coated Glass, Add	*30.61*	
		For Argon Gas, Add	*16.84*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

Note: For replacement of existing glazing (use glass removal modifiers) and includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81 23 23-0001 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF	1/8" Thick, Clear Float Field Installed Glass	22.44	
		For >50 To 200, Deduct	*-1.50*	
		For >200 To 400, Deduct	*-2.72*	
		For >400, Deduct	*-3.66*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.28*	
		For Tinted Glass, Add	*2.19*	
		For Reflective Coated Glass, Add	*3.93*	
		For Low-E Coated Glass, Add	*2.19*	
08 81 23 23-0004	SF	3/16" Thick, Clear Float Field Installed Glass	24.12	
		For >50 To 200, Deduct	*-1.61*	
		For >200 To 400, Deduct	*-2.92*	
		For >400, Deduct	*-3.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.06*	
		For Tinted Glass, Add	*2.34*	
		For Reflective Coated Glass, Add	*4.22*	
		For Low-E Coated Glass, Add	*2.34*	
08 81 23 23-0005	SF	1/4" Thick, Clear Float Field Installed Glass	27.16	
		For >50 To 200, Deduct	*-1.76*	
		For >200 To 400, Deduct	*-3.21*	
		For >400, Deduct	*-4.34*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	
		For Tinted Glass, Add	*2.84*	
		For Reflective Coated Glass, Add	*5.11*	
		For Low-E Coated Glass, Add	*2.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0006	SF	5/16" Thick, Clear Float Field Installed Glass	36.80	
		For >50 To 200, Deduct	*-2.18*	
		For >200 To 400, Deduct	*-4.00*	
		For >400, Deduct	*-5.46*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.43*	
		For Tinted Glass, Add	*4.72*	
		For Reflective Coated Glass, Add	*8.50*	
		For Low-E Coated Glass, Add	*4.72*	
08 81 23 23-0007	SF	3/8" Thick, Clear Float Field Installed Glass	47.49	
		For >50 To 200, Deduct	*-2.63*	
		For >200 To 400, Deduct	*-4.85*	
		For >400, Deduct	*-6.68*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.01*	
		For Tinted Glass, Add	*6.87*	
		For Reflective Coated Glass, Add	*12.37*	
		For Low-E Coated Glass, Add	*6.87*	
08 81 23 23-0008	SF	1/2" Thick, Clear Float Field Installed Glass	52.32	
		For >50 To 200, Deduct	*-2.90*	
		For >200 To 400, Deduct	*-5.35*	
		For >400, Deduct	*-7.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.59*	
		For Tinted Glass, Add	*7.55*	
		For Reflective Coated Glass, Add	*13.59*	
		For Low-E Coated Glass, Add	*7.55*	
08 81 23 23-0009	SF	5/8" Thick, Clear Float Field Installed Glass	63.52	
		For >50 To 200, Deduct	*-3.55*	
		For >200 To 400, Deduct	*-6.55*	
		For >400, Deduct	*-9.00*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.54*	
		For Tinted Glass, Add	*9.03*	
		For Reflective Coated Glass, Add	*16.26*	
		For Low-E Coated Glass, Add	*9.03*	
08 81 23 23-0010	SF	3/4" Thick, Clear Float Field Installed Glass	77.29	
		For >50 To 200, Deduct	*-4.28*	
		For >200 To 400, Deduct	*-7.90*	
		For >400, Deduct	*-10.88*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.50*	
		For Tinted Glass, Add	*11.16*	
		For Reflective Coated Glass, Add	*20.08*	
		For Low-E Coated Glass, Add	*11.16*	

08 81 23 23-0011 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	26.71	
		For >50 To 200, Deduct	*-1.62*	
		For >200 To 400, Deduct	*-2.97*	
		For >400, Deduct	*-4.05*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.28*	
		For Tinted Glass, Add	*3.25*	
		For Reflective Coated Glass, Add	*5.85*	
		For Low-E Coated Glass, Add	*3.25*	
08 81 23 23-0014	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	28.65	
		For >50 To 200, Deduct	*-1.74*	
		For >200 To 400, Deduct	*-3.19*	
		For >400, Deduct	*-4.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.06*	
		For Tinted Glass, Add	*3.48*	
		For Reflective Coated Glass, Add	*6.26*	
		For Low-E Coated Glass, Add	*3.48*	
08 81 23 23-0015	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	32.71	
		For >50 To 200, Deduct	*-1.93*	
		For >200 To 400, Deduct	*-3.54*	
		For >400, Deduct	*-4.84*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	
		For Tinted Glass, Add	*4.23*	
		For Reflective Coated Glass, Add	*7.61*	
		For Low-E Coated Glass, Add	*4.23*	
08 81 23 23-0016	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	46.06	
		For >50 To 200, Deduct	*-2.46*	
		For >200 To 400, Deduct	*-4.55*	
		For >400, Deduct	*-6.29*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.43*	
		For Tinted Glass, Add	*7.04*	
		For Reflective Coated Glass, Add	*12.67*	
		For Low-E Coated Glass, Add	*7.04*	
08 81 23 23-0017	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	60.92	
		For >50 To 200, Deduct	*-3.03*	
		For >200 To 400, Deduct	*-5.66*	
		For >400, Deduct	*-7.88*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.01*	
		For Tinted Glass, Add	*10.23*	
		For Reflective Coated Glass, Add	*18.41*	
		For Low-E Coated Glass, Add	*10.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0018	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	67.06	
		For >50 To 200, Deduct	*-3.34*	
		For >200 To 400, Deduct	*-6.24*	
		For >400, Deduct	*-8.69*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.59*	
		For Tinted Glass, Add	*11.24*	
		For Reflective Coated Glass, Add	*20.22*	
		For Low-E Coated Glass, Add	*11.24*	
08 81 23 23-0019	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	81.16	
		For >50 To 200, Deduct	*-4.08*	
		For >200 To 400, Deduct	*-7.61*	
		For >400, Deduct	*-10.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.54*	
		For Tinted Glass, Add	*13.44*	
		For Reflective Coated Glass, Add	*24.20*	
		For Low-E Coated Glass, Add	*13.44*	
08 81 23 23-0020	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	99.08	
		For >50 To 200, Deduct	*-4.93*	
		For >200 To 400, Deduct	*-9.21*	
		For >400, Deduct	*-12.84*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.50*	
		For Tinted Glass, Add	*16.61*	
		For Reflective Coated Glass, Add	*29.89*	
		For Low-E Coated Glass, Add	*16.61*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	86.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	56.88	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.28*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	58.45	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.45*	

08 81 23 23-0027 Wired Field Installed Glass *(08 81 23 23)*

08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	127.56	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	127.56	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	

08 81 23 23-0031 Polished, Wired Field Installed Glass *(08 81 23 23-0027)*

08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	137.97	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	

08 81 23 23-0033 Frosted Field Installed Glass *(08 81 23 23)*

08 81 23 23-0034 Frosted Field Installed Glass *(08 81 23 23-0033)*

08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	70.20	
		For >50 To 200, Deduct	*-2.93*	
		For >200 To 400, Deduct	*-5.58*	
		For >400, Deduct	*-7.96*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.28*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	88.89	
		For >50 To 200, Deduct	*-3.55*	
		For >200 To 400, Deduct	*-6.81*	
		For >400, Deduct	*-9.77*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.06*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	109.51	
		For >50 To 200, Deduct	*-4.23*	
		For >200 To 400, Deduct	*-8.15*	
		For >400, Deduct	*-11.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	160.09	
		For >50 To 200, Deduct	*-6.00*	
		For >200 To 400, Deduct	*-11.61*	
		For >400, Deduct	*-16.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.01*	

08 81 23 23-0039 Fire Rated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0040 Fire Rated Field Installed Glass *(08 81 23 23-0039)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	69.46	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.64*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	122.63	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.64*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	180.90	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.64*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	234.32	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.64*	
08 81 23 23-0045		Laminated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0046		Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	51.24	
		For >50 To 200, Deduct	*-2.49*	
		For >200 To 400, Deduct	*-4.65*	
		For >400, Deduct	*-6.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	
		For Tinted Glass, Add	*7.09*	
		For Reflective Coated Glass, Add	*10.63*	
		For Low-E Coated Glass, Add	*8.86*	
		For One Piece Heat Strengthened Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*7.09*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	64.25	
		For >50 To 200, Deduct	*-3.13*	
		For >200 To 400, Deduct	*-5.86*	
		For >400, Deduct	*-8.18*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.01*	
		For Tinted Glass, Add	*8.85*	
		For Reflective Coated Glass, Add	*13.27*	
		For Low-E Coated Glass, Add	*11.06*	
		For One Piece Heat Strengthened Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*8.85*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	73.23	
		For >50 To 200, Deduct	*-3.52*	
		For >200 To 400, Deduct	*-6.61*	
		For >400, Deduct	*-9.25*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.59*	
		For Tinted Glass, Add	*10.22*	
		For Reflective Coated Glass, Add	*15.33*	
		For Low-E Coated Glass, Add	*12.78*	
		For One Piece Heat Strengthened Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*10.22*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	82.26	
		For >50 To 200, Deduct	*-3.95*	
		For >200 To 400, Deduct	*-7.41*	
		For >400, Deduct	*-10.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.57*	
		For Tinted Glass, Add	*11.50*	
		For Reflective Coated Glass, Add	*17.25*	
		For Low-E Coated Glass, Add	*14.38*	
		For One Piece Heat Strengthened Glass, Add	*11.50*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*11.50*	
		Note: Double UOM if applied for both interior and exterior glazing		
08 81 23 23-0051		Insulated Field Installed Glass *(08 81 23 23)*		
08 81 23 23-0052		Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	39.50	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-2.25*	
		For >200 To 400, Deduct	*-4.14*	
		For >400, Deduct	*-5.68*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.28*	
		For Tinted Glass, Add	*3.27*	
		For Reflective Coated Glass, Add	*6.54*	
		For Low-E Coated Glass, Add	*5.45*	
		For One Piece Heat Strengthened Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.36*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.27*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	42.26	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-2.37*	
		For >200 To 400, Deduct	*-4.38*	
		For >400, Deduct	*-6.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.83*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	42.61	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-2.40*	
		For >200 To 400, Deduct	*-4.43*	
		For >400, Deduct	*-6.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.06*	
		For Tinted Glass, Add	*3.58*	
		For Reflective Coated Glass, Add	*7.16*	
		For Low-E Coated Glass, Add	*5.97*	
		For One Piece Heat Strengthened Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.77*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.14*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	

08 81 23 23-0057 1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	40.46	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.30*	
		For >200 To 400, Deduct	*-4.23*	
		For >400, Deduct	*-5.80*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.52*	
		For Tinted Glass, Add	*3.37*	
		For Reflective Coated Glass, Add	*6.73*	
		For Low-E Coated Glass, Add	*5.61*	
		For One Piece Heat Strengthened Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.49*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*9.54*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.09*	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	42.26	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.37*	
		For >200 To 400, Deduct	*-4.38*	
		For >400, Deduct	*-6.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.83*	
		For Tinted Glass, Add	*3.57*	
		For Reflective Coated Glass, Add	*7.15*	
		For Low-E Coated Glass, Add	*5.96*	
		For One Piece Heat Strengthened Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.76*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.12*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.28*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	43.76	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.49*	
		For >200 To 400, Deduct	*-4.59*	
		For >400, Deduct	*-6.30*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.75*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	43.76	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	*-2.49*	
		For >200 To 400, Deduct	*-4.59*	
		For >400, Deduct	*-6.30*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.75*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	49.00	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-2.76*	
		For >200 To 400, Deduct	*-5.09*	
		For >400, Deduct	*-6.99*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.10*	
		For Tinted Glass, Add	*4.13*	
		For Reflective Coated Glass, Add	*8.26*	
		For Low-E Coated Glass, Add	*6.89*	
		For One Piece Heat Strengthened Glass, Add	*5.51*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.51*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.70*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.79*	

08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	43.76	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-2.49*	
		For >200 To 400, Deduct	*-4.59*	
		For >400, Deduct	*-6.30*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.75*	
		For Tinted Glass, Add	*3.61*	
		For Reflective Coated Glass, Add	*7.23*	
		For Low-E Coated Glass, Add	*6.02*	
		For One Piece Heat Strengthened Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*4.82*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.24*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.31*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	46.70	
		Note: Two 3/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-2.69*	
		For >200 To 400, Deduct	*-4.95*	
		For >400, Deduct	*-6.78*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.10*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.05*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*10.73*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.47*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass	49.90	
		Note: Two 1/4" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-2.81*	
		For >200 To 400, Deduct	*-5.19*	
		For >400, Deduct	*-7.12*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.43*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Fully Tempered Glass, Add	*5.60*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For One Piece Obscure Glass, Add	*11.90*	
		Note: Double UOM if applied for both interior and exterior glazing		
		For Argon Gas, Add	*3.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass Note: Two 5/16" lites with 3/8" air space.	53.74	
		For >50 To 200, Deduct	*-2.94*	
		For >200 To 400, Deduct	*-5.44*	
		For >400, Deduct	*-7.49*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.59*	
		For Tinted Glass, Add	*4.74*	
		For Reflective Coated Glass, Add	*9.49*	
		For Low-E Coated Glass, Add	*7.91*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.32*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.32*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.44*	
		For Argon Gas, Add	*4.35*	
08 81 23 23-0068		1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)* Note: Type I, Class I, Quality Q3.		
08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass Note: Two 1/8" lites with 1/2" air space.	46.70	
		For >50 To 200, Deduct	*-2.69*	
		For >200 To 400, Deduct	*-4.95*	
		For >400, Deduct	*-6.78*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.10*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*7.57*	
		For Low-E Coated Glass, Add	*6.31*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.05*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*10.73*	
		For Argon Gas, Add	*3.47*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass Note: Two 3/16" lites with 1/2" air space.	49.90	
		For >50 To 200, Deduct	*-2.81*	
		For >200 To 400, Deduct	*-5.19*	
		For >400, Deduct	*-7.12*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.43*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	49.90	
		For >50 To 200, Deduct	*-2.81*	
		For >200 To 400, Deduct	*-5.19*	
		For >400, Deduct	*-7.12*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.43*	
		For Tinted Glass, Add	*4.20*	
		For Reflective Coated Glass, Add	*8.40*	
		For Low-E Coated Glass, Add	*7.00*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*5.60*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*11.90*	
		For Argon Gas, Add	*3.85*	
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass Note: Two 1/4" lites with 1/2" air space.	52.73	
		For >50 To 200, Deduct	*-2.91*	
		For >200 To 400, Deduct	*-5.38*	
		For >400, Deduct	*-7.40*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.59*	
		For Tinted Glass, Add	*4.59*	
		For Reflective Coated Glass, Add	*9.18*	
		For Low-E Coated Glass, Add	*7.65*	
		For One Piece Heat Strengthened Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Fully Tempered Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*6.12*	
		For One Piece Obscure Glass, Add *Note: Double UOM if applied for both interior and exterior glazing*	*13.01*	
		For Argon Gas, Add	*4.21*	
08 81 23 23-0073		Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	107.84	
		For >50 To 200, Deduct	*-4.56*	
		For >200 To 400, Deduct	*-8.68*	
		For >400, Deduct	*-12.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.59*	
		For Tinted Glass, Add	*12.86*	
		For Reflective Coated Glass, Add	*25.72*	
		For Low-E Coated Glass, Add	*21.43*	
		For Argon Gas, Add	*11.79*	
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	129.37	
		For >50 To 200, Deduct	*-5.40*	
		For >200 To 400, Deduct	*-10.29*	
		For >400, Deduct	*-14.68*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.97*	
		For Tinted Glass, Add	*15.61*	
		For Reflective Coated Glass, Add	*31.22*	
		For Low-E Coated Glass, Add	*26.02*	
		For Argon Gas, Add	*14.31*	
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	151.41	
		For >50 To 200, Deduct	*-6.28*	
		For >200 To 400, Deduct	*-11.98*	
		For >400, Deduct	*-17.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*21.73*	
		For Tinted Glass, Add	*18.37*	
		For Reflective Coated Glass, Add	*36.73*	
		For Low-E Coated Glass, Add	*30.61*	
		For Argon Gas, Add	*16.84*	

08 81 23 23-0077 Spandrel Field Installed Glass *(08 81 23 23)*

08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	41.16	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.17*	
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	36.09	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.17*	

08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0077)*

08 81 23 23-0082 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0081)*
Note: Also with aluminum foil vapor barrier.

08 81 23 23-0083	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	46.43	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.17*	
08 81 23 23-0084	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	40.69	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.17*	

08 81 23 23-0085 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0081)*

08 81 23 23-0086	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	56.40	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.17*	
08 81 23 23-0087	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	45.12	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.17*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

08 83 13 Mirrored Glass Glazing *(08 83)*

08 83 13 00-0001 Mirror Glass *(08 83 13)*

08 83 13 00-0002 One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	94.28	7.90
		For >50 To 200, Deduct	*-2.36*	
		For >200 To 400, Deduct	*-3.93*	
		For >400, Deduct	*-6.29*	

08 83 13 00-0004 Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*

08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	133.41	7.90
		For >50 To 200, Deduct	*-3.53*	
		For >200 To 400, Deduct	*-5.89*	
		For >400, Deduct	*-9.42*	

08 83 13 00-0006 Clear Mirror Glass *(08 83 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13 00-0007	SF	1/8" Clear Mirror Glass	30.12	6.32
		For >50 To 200, Deduct	*-0.52*	
		For >200 To 400, Deduct	*-0.87*	
		For >400, Deduct	*-1.40*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	35.70	7.37
		For >50 To 200, Deduct	*-0.64*	
		For >200 To 400, Deduct	*-1.06*	
		For >400, Deduct	*-1.69*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	39.21	7.90
		For >50 To 200, Deduct	*-0.71*	
		For >200 To 400, Deduct	*-1.18*	
		For >400, Deduct	*-1.89*	

08 83 13 00-0010 Tempered, Clear Mirror Glass *(08 83 13 00-0001)*

08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	51.11	6.32
		For >50 To 200, Deduct	*-1.15*	
		For >200 To 400, Deduct	*-1.92*	
		For >400, Deduct	*-3.08*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	57.98	7.37
		For >50 To 200, Deduct	*-1.30*	
		For >200 To 400, Deduct	*-2.17*	
		For >400, Deduct	*-3.48*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	64.04	7.90
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.42*	
		For >400, Deduct	*-3.87*	

08 83 13 00-0014 Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*

08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	40.72	7.90
		For >50 To 200, Deduct	*-0.75*	
		For >200 To 400, Deduct	*-1.26*	
		For >400, Deduct	*-2.01*	

08 83 13 00-0016 Laminated Safety Mirror Glass *(08 83 13 00-0001)*

Note: Clear glass laminated to face of mirror with PVB interlayer.

08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	79.85	7.90
		For >50 To 200, Deduct	*-1.93*	
		For >200 To 400, Deduct	*-3.21*	
		For >400, Deduct	*-5.14*	

08 83 13 00-0018 Accessories For Mirror Glass *(08 83 13)*

08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	5.18
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	5.28
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	6.66
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	8.59

08 84 Plastic Glazing *(08 80)*

Note: Demolition (use glass removal modifiers) for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) *(08 84)*

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	19.54	
		For >50 To 200, Deduct	*-0.48*	
		For >200 To 400, Deduct	*-0.96*	
		For >400, Deduct	*-1.44*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.94*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.60	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.03*	
		For >400, Deduct	*-1.54*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.33*	
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	24.67	
		For >50 To 200, Deduct	*-0.70*	
		For >200 To 400, Deduct	*-1.39*	
		For >400, Deduct	*-2.09*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.74*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	36.06	
		For >50 To 200, Deduct	*-1.25*	
		For >200 To 400, Deduct	*-2.50*	
		For >400, Deduct	*-3.75*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.05*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	45.84	
		For >50 To 200, Deduct	*-1.70*	
		For >200 To 400, Deduct	*-3.40*	
		For >400, Deduct	*-5.10*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	29.67	
		For >50 To 200, Deduct	*-0.99*	
		For >200 To 400, Deduct	*-1.97*	
		For >400, Deduct	*-2.96*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.94*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	34.60	
		For >50 To 200, Deduct	*-1.21*	
		For >200 To 400, Deduct	*-2.43*	
		For >400, Deduct	*-3.64*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.33*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	36.57	
		For >50 To 200, Deduct	*-1.29*	
		For >200 To 400, Deduct	*-2.58*	
		For >400, Deduct	*-3.87*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.74*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	60.95	
		For >50 To 200, Deduct	*-2.50*	
		For >200 To 400, Deduct	*-4.99*	
		For >400, Deduct	*-7.49*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.05*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	64.73	
		For >50 To 200, Deduct	*-2.64*	
		For >200 To 400, Deduct	*-5.29*	
		For >400, Deduct	*-7.93*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	13.37	
		For >50 To 200, Deduct	*-0.19*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.58*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.49*	
		For Colored, Add	*0.78*	
		For Shatterproof, Add	*2.33*	
		For Mirrored, Add	*3.10*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	13.87	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.94*	
		For Colored, Add	*0.79*	
		For Shatterproof, Add	*2.36*	
		For Mirrored, Add	*3.14*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	16.46	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.61*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.33*	
		For Colored, Add	*1.23*	
		For Shatterproof, Add	*3.68*	
		For Mirrored, Add	*4.90*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	18.82	
		For >50 To 200, Deduct	*-0.40*	
		For >200 To 400, Deduct	*-0.81*	
		For >400, Deduct	*-1.21*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.74*	
		For Colored, Add	*1.62*	
		For Shatterproof, Add	*4.85*	
		For Mirrored, Add	*6.46*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	19.26	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.85*	
		For >400, Deduct	*-1.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.80*	
		For Colored, Add	*1.69*	
		For Shatterproof, Add	*5.08*	
		For Mirrored, Add	*6.77*	
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	19.90	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.89*	
		For >400, Deduct	*-1.33*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.05*	
		For Colored, Add	*1.77*	
		For Shatterproof, Add	*5.31*	
		For Mirrored, Add	*7.08*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	23.55	
		For >50 To 200, Deduct	*-0.59*	
		For >200 To 400, Deduct	*-1.17*	
		For >400, Deduct	*-1.76*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*11.85*	
		For Colored, Add	*2.34*	
		For Shatterproof, Add	*7.02*	
		For Mirrored, Add	*9.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	33.23	
		For >50 To 200, Deduct	*-0.91*	
		For >200 To 400, Deduct	*-1.82*	
		For >400, Deduct	*-2.73*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.00*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	44.32	
		For >50 To 200, Deduct	*-1.40*	
		For >200 To 400, Deduct	*-2.80*	
		For >400, Deduct	*-4.20*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.29*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installation includes the gasket.

08 85 00 00-0001 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	32.57	2.29
		For Bronze Anodized Aluminum, Add	*3.94*	
		For Stainless Steel, Add	*16.08*	
		For Black Anodized Finish, Add	*7.09*	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	40.26	2.86
		For Bronze Anodized Aluminum, Add	*5.01*	
		For Stainless Steel, Add	*20.38*	
		For Black Anodized Finish, Add	*9.02*	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	47.92	2.29
		For Bronze Anodized Aluminum, Add	*5.99*	
		For Stainless Steel, Add	*24.34*	
		For Black Anodized Finish, Add	*10.77*	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	58.00	3.43
		For Bronze Anodized Aluminum, Add	*7.15*	
		For Stainless Steel, Add	*29.13*	
		For Black Anodized Finish, Add	*12.88*	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	59.29	2.86
		For Bronze Anodized Aluminum, Add	*7.61*	
		For Stainless Steel, Add	*30.85*	
		For Black Anodized Finish, Add	*13.69*	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	72.01	3.43
		For Bronze Anodized Aluminum, Add	*9.08*	
		For Stainless Steel, Add	*36.91*	
		For Black Anodized Finish, Add	*16.35*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	9.96
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	9.96
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	15.37
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	15.90

08 87 23 Safety and Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	15.62	
		For >1,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.01*	
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	16.62	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.11*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	19.58	
		For >1,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.41*	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	17.73	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	17.73	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.22*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	17.73	
		For >1,000 To 5,000, Deduct	*-0.79*	
		For >5,000, Deduct	*-1.22*	
08 87 23 16-0010		Security And Safety Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	14.51	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-0.90*	
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	14.77	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-0.93*	
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	17.30	
		For >1,000 To 5,000, Deduct	*-0.77*	
		For >5,000, Deduct	*-1.18*	
08 87 23 16-0014		Anti-Graffiti Glazing Films *(08 87 23 16)*		
		Note: Includes cleaning of window glazing prior to installation.		
08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	14.51	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-0.90*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	14.77	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-0.93*	

08 88 Special Function Glazing *(08 80)*

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001 Forced Entry And/or Ballistic Resistant All Glass Laminate *(08 88 53)*

08 88 53 00-0002 Ballistic Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, Up To 15 SF	141.61	
		For Glass Removal And Preparing Opening For New Glazing, Add	*52.25*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 Lb./SF, For A Single Piece, >15 SF	167.46	
		For Glass Removal And Preparing Opening For New Glazing, Add	*52.25*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, Up To 15 SF	189.97	
		For Glass Removal And Preparing Opening For New Glazing, Add	*59.00*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 Lb./SF, For A Single Piece, >15 SF	211.57	
		For Glass Removal And Preparing Opening For New Glazing, Add	*59.00*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, Up To 15 SF	240.40	
		For Glass Removal And Preparing Opening For New Glazing, Add	*67.42*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 Lb./SF, For A Single Piece, >15 SF	257.76	
		For Glass Removal And Preparing Opening For New Glazing, Add	*67.42*	

08 88 53 00-0009 Forced Entry Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	53.06	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.17*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	60.35	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.05*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	68.95	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.05*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	83.68	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.20*	

08 88 53 00-0014 Glass Clad Polycarbonate *(08 88 53)*

08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 Lb./SF	208.75	
		For Glass Removal And Preparing Opening For New Glazing, Add	*64.05*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 Lb./SF	233.10	
		For Glass Removal And Preparing Opening For New Glazing, Add	*74.17*	
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 Lb./SF	299.22	
		For Glass Removal And Preparing Opening For New Glazing, Add	*84.28*	

08 88 53 00-0018 Ballistic Resistant Acrylic *(08 88 53)*

08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 Lb./SF	222.12	
		For Glass Removal And Preparing Opening For New Glazing, Add	*64.05*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 Lb./SF	259.84	
		For Glass Removal And Preparing Opening For New Glazing, Add	*74.17*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 Lb./SF	339.33	
		For Glass Removal And Preparing Opening For New Glazing, Add	*84.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0022		**Ballistic Resistant Fiberglass** *(08 88 53)*		
08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 Lb./SF	87.49	
		For Glass Removal And Preparing Opening For New Glazing, Add	*32.02*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 Lb./SF	103.61	
		For Glass Removal And Preparing Opening For New Glazing, Add	*37.08*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 Lb./SF	117.52	
		For Glass Removal And Preparing Opening For New Glazing, Add	*42.14*	
08 88 53 00-0026		**Forced Entry And/or Ballistic Resistant Polycarbonate** *(08 88 53)*		
08 88 53 00-0027		**Forced Entry Resistant Monolithic Polycarbonate** *(08 88 53 00-0026)*		
		Note: GE-Lexan MR10.		
08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	119.33	
		Note: Level 1 or ASTM F1233, Class II (Step 5).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*51.08*	
08 88 53 00-0029		**Forced Entry Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	147.51	
		For Glass Removal And Preparing Opening For New Glazing, Add	*63.21*	
08 88 53 00-0031		**Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01	183.15	
		Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*67.42*	
08 88 53 00-0033		**Fire Resistant, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01	201.14	
		Note: UL-9 Fire Resistant.		
		For Glass Removal And Preparing Opening For New Glazing, Add	*71.64*	
08 88 53 00-0035		**Insulated, Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01	172.00	
		Note: Level I (1/4" tempered float glass, 1/2" airspace).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*63.21*	
08 88 53 00-0037		**Ballistic And Forced Entry Resistant Polycarbonate Laminate** *(08 88 53 00-0026)*		
08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant	397.89	
		Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*139.90*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant	403.16	
		Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*139.90*	
08 88 53 00-0040		**Ballistic Resistant Glass Clad Polycarbonate Laminate** *(08 88 53 00-0026)*		
		Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant	264.60	
		Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).		
		For Glass Removal And Preparing Opening For New Glazing, Add	*94.38*	

08 90 Louvers and Vents *(08)*

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001		**Motorized Wall Louver Actuator** *(08 91 13)*		
		See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.		
08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	2,079.08	106.64
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	3,216.54	106.64
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	2,241.21	106.64
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	8,917.77	106.64

08 91 16 Operable Wall Louvers *(08 91)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0001		**Adjustable Intake Wall Louvers** *(08 91 16)* See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	577.06	28.23
		For Flange Frame, Add	*52.06*	
		For Clear Lacquer Finish, Add	*104.12*	
		For Baked Enamel Standard Colors, Add	*156.18*	
		For Anodized Finish, Add	*208.24*	
		For Kynar® Standard Colors Finish, Add	*286.33*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	721.34	34.50
		For Flange Frame, Add	*65.23*	
		For Clear Lacquer Finish, Add	*130.47*	
		For Baked Enamel Standard Colors, Add	*195.70*	
		For Anodized Finish, Add	*260.93*	
		For Kynar® Standard Colors Finish, Add	*358.78*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	852.94	40.78
		For Flange Frame, Add	*77.14*	
		For Clear Lacquer Finish, Add	*154.28*	
		For Baked Enamel Standard Colors, Add	*231.42*	
		For Anodized Finish, Add	*308.56*	
		For Kynar® Standard Colors Finish, Add	*424.27*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	998.49	47.05
		For Flange Frame, Add	*90.44*	
		For Clear Lacquer Finish, Add	*180.88*	
		For Baked Enamel Standard Colors, Add	*271.32*	
		For Anodized Finish, Add	*361.76*	
		For Kynar® Standard Colors Finish, Add	*497.42*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,125.03	53.32
		For Flange Frame, Add	*101.84*	
		For Clear Lacquer Finish, Add	*203.68*	
		For Baked Enamel Standard Colors, Add	*305.52*	
		For Anodized Finish, Add	*407.36*	
		For Kynar® Standard Colors Finish, Add	*560.11*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,328.84	59.60
		For Flange Frame, Add	*120.97*	
		For Clear Lacquer Finish, Add	*241.93*	
		For Baked Enamel Standard Colors, Add	*362.90*	
		For Anodized Finish, Add	*483.86*	
		For Kynar® Standard Colors Finish, Add	*665.31*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,514.92	65.87
		For Flange Frame, Add	*138.32*	
		For Clear Lacquer Finish, Add	*276.64*	
		For Baked Enamel Standard Colors, Add	*414.96*	
		For Anodized Finish, Add	*553.28*	
		For Kynar® Standard Colors Finish, Add	*760.75*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,681.94	75.28
		For Flange Frame, Add	*153.14*	
		For Clear Lacquer Finish, Add	*306.28*	
		For Baked Enamel Standard Colors, Add	*459.42*	
		For Anodized Finish, Add	*612.56*	
		For Kynar® Standard Colors Finish, Add	*842.26*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,794.56	81.54
		For Flange Frame, Add	*163.15*	
		For Clear Lacquer Finish, Add	*326.29*	
		For Baked Enamel Standard Colors, Add	*489.44*	
		For Anodized Finish, Add	*652.58*	
		For Kynar® Standard Colors Finish, Add	*897.30*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,936.30	87.82
		For Flange Frame, Add	*176.07*	
		For Clear Lacquer Finish, Add	*352.13*	
		For Baked Enamel Standard Colors, Add	*528.20*	
		For Anodized Finish, Add	*704.26*	
		For Kynar® Standard Colors Finish, Add	*968.36*	
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,060.31	94.09
		For Flange Frame, Add	*187.21*	
		For Clear Lacquer Finish, Add	*374.42*	
		For Baked Enamel Standard Colors, Add	*561.64*	
		For Anodized Finish, Add	*748.85*	
		For Kynar® Standard Colors Finish, Add	*1,029.67*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,219.80	100.36
		For Flange Frame, Add	*201.91*	
		For Clear Lacquer Finish, Add	*403.81*	
		For Baked Enamel Standard Colors, Add	*605.72*	
		For Anodized Finish, Add	*807.62*	
		For Kynar® Standard Colors Finish, Add	*1,110.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,372.94	106.64
		For Flange Frame, Add	*215.97*	
		For Clear Lacquer Finish, Add	*431.93*	
		For Baked Enamel Standard Colors, Add	*647.90*	
		For Anodized Finish, Add	*863.86*	
		For Kynar® Standard Colors Finish, Add	*1,187.81*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,562.76	116.05
		For Flange Frame, Add	*233.07*	
		For Clear Lacquer Finish, Add	*466.13*	
		For Baked Enamel Standard Colors, Add	*699.20*	
		For Anodized Finish, Add	*932.26*	
		For Kynar® Standard Colors Finish, Add	*1,281.86*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,701.91	125.46
		For Flange Frame, Add	*245.10*	
		For Clear Lacquer Finish, Add	*490.20*	
		For Baked Enamel Standard Colors, Add	*735.30*	
		For Anodized Finish, Add	*980.40*	
		For Kynar® Standard Colors Finish, Add	*1,348.04*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	646.61	34.50
		For Flange Frame, Add	*57.76*	
		For Clear Lacquer Finish, Add	*115.52*	
		For Baked Enamel Standard Colors, Add	*173.28*	
		For Anodized Finish, Add	*231.04*	
		For Kynar® Standard Colors Finish, Add	*317.68*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	816.15	43.91
		For Flange Frame, Add	*72.83*	
		For Clear Lacquer Finish, Add	*145.67*	
		For Baked Enamel Standard Colors, Add	*218.50*	
		For Anodized Finish, Add	*291.33*	
		For Kynar® Standard Colors Finish, Add	*400.58*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	957.89	50.19
		For Flange Frame, Add	*85.75*	
		For Clear Lacquer Finish, Add	*171.51*	
		For Baked Enamel Standard Colors, Add	*257.26*	
		For Anodized Finish, Add	*343.01*	
		For Kynar® Standard Colors Finish, Add	*471.64*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,191.99	62.73
		For Flange Frame, Add	*106.65*	
		For Clear Lacquer Finish, Add	*213.31*	
		For Baked Enamel Standard Colors, Add	*319.96*	
		For Anodized Finish, Add	*426.61*	
		For Kynar® Standard Colors Finish, Add	*586.59*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,356.53	69.01
		For Flange Frame, Add	*121.85*	
		For Clear Lacquer Finish, Add	*243.71*	
		For Baked Enamel Standard Colors, Add	*365.56*	
		For Anodized Finish, Add	*487.41*	
		For Kynar® Standard Colors Finish, Add	*670.19*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,521.08	75.28
		For Flange Frame, Add	*137.05*	
		For Clear Lacquer Finish, Add	*274.11*	
		For Baked Enamel Standard Colors, Add	*411.16*	
		For Anodized Finish, Add	*548.21*	
		For Kynar® Standard Colors Finish, Add	*753.79*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,718.56	81.54
		For Flange Frame, Add	*155.55*	
		For Clear Lacquer Finish, Add	*311.09*	
		For Baked Enamel Standard Colors, Add	*466.64*	
		For Anodized Finish, Add	*622.18*	
		For Kynar® Standard Colors Finish, Add	*855.50*	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,905.84	90.95
		For Flange Frame, Add	*172.39*	
		For Clear Lacquer Finish, Add	*344.78*	
		For Baked Enamel Standard Colors, Add	*517.18*	
		For Anodized Finish, Add	*689.57*	
		For Kynar® Standard Colors Finish, Add	*948.16*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,055.13	100.36
		For Flange Frame, Add	*185.44*	
		For Clear Lacquer Finish, Add	*370.88*	
		For Baked Enamel Standard Colors, Add	*556.32*	
		For Anodized Finish, Add	*741.76*	
		For Kynar® Standard Colors Finish, Add	*1,019.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,199.40	106.64
		For Flange Frame, Add	*198.61*	
		For Clear Lacquer Finish, Add	*397.22*	
		For Baked Enamel Standard Colors, Add	*595.84*	
		For Anodized Finish, Add	*794.45*	
		For Kynar® Standard Colors Finish, Add	*1,092.37*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,334.82	112.91
		For Flange Frame, Add	*210.90*	
		For Clear Lacquer Finish, Add	*421.80*	
		For Baked Enamel Standard Colors, Add	*632.70*	
		For Anodized Finish, Add	*843.60*	
		For Kynar® Standard Colors Finish, Add	*1,159.94*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,510.77	119.18
		For Flange Frame, Add	*227.24*	
		For Clear Lacquer Finish, Add	*454.48*	
		For Baked Enamel Standard Colors, Add	*681.72*	
		For Anodized Finish, Add	*908.96*	
		For Kynar® Standard Colors Finish, Add	*1,249.81*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,680.37	125.46
		For Flange Frame, Add	*242.95*	
		For Clear Lacquer Finish, Add	*485.89*	
		For Baked Enamel Standard Colors, Add	*728.84*	
		For Anodized Finish, Add	*971.78*	
		For Kynar® Standard Colors Finish, Add	*1,336.20*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,886.66	134.87
		For Flange Frame, Add	*261.69*	
		For Clear Lacquer Finish, Add	*523.38*	
		For Baked Enamel Standard Colors, Add	*785.08*	
		For Anodized Finish, Add	*1,046.77*	
		For Kynar® Standard Colors Finish, Add	*1,439.31*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,042.28	144.28
		For Flange Frame, Add	*275.37*	
		For Clear Lacquer Finish, Add	*550.74*	
		For Baked Enamel Standard Colors, Add	*826.12*	
		For Anodized Finish, Add	*1,101.49*	
		For Kynar® Standard Colors Finish, Add	*1,514.55*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	722.47	40.78
		For Flange Frame, Add	*64.09*	
		For Clear Lacquer Finish, Add	*128.19*	
		For Baked Enamel Standard Colors, Add	*192.28*	
		For Anodized Finish, Add	*256.37*	
		For Kynar® Standard Colors Finish, Add	*352.51*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	917.36	50.19
		For Flange Frame, Add	*81.70*	
		For Clear Lacquer Finish, Add	*163.40*	
		For Baked Enamel Standard Colors, Add	*245.10*	
		For Anodized Finish, Add	*326.80*	
		For Kynar® Standard Colors Finish, Add	*449.35*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,137.57	59.60
		For Flange Frame, Add	*101.84*	
		For Clear Lacquer Finish, Add	*203.68*	
		For Baked Enamel Standard Colors, Add	*305.52*	
		For Anodized Finish, Add	*407.36*	
		For Kynar® Standard Colors Finish, Add	*560.11*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,341.27	72.14
		For Flange Frame, Add	*119.70*	
		For Clear Lacquer Finish, Add	*239.40*	
		For Baked Enamel Standard Colors, Add	*359.10*	
		For Anodized Finish, Add	*478.80*	
		For Kynar® Standard Colors Finish, Add	*658.34*	
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,522.28	78.42
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,713.43	84.68
		For Flange Frame, Add	*154.41*	
		For Clear Lacquer Finish, Add	*308.81*	
		For Baked Enamel Standard Colors, Add	*463.22*	
		For Anodized Finish, Add	*617.62*	
		For Kynar® Standard Colors Finish, Add	*849.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,948.85	94.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*176.07*	
		For Clear Lacquer Finish, Add	*352.13*	
		For Baked Enamel Standard Colors, Add	*528.20*	
		For Anodized Finish, Add	*704.26*	
		For Kynar® Standard Colors Finish, Add	*968.36*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,146.20	106.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*193.29*	
		For Clear Lacquer Finish, Add	*386.58*	
		For Baked Enamel Standard Colors, Add	*579.88*	
		For Anodized Finish, Add	*773.17*	
		For Kynar® Standard Colors Finish, Add	*1,063.11*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,300.62	112.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*207.48*	
		For Clear Lacquer Finish, Add	*414.96*	
		For Baked Enamel Standard Colors, Add	*622.44*	
		For Anodized Finish, Add	*829.92*	
		For Kynar® Standard Colors Finish, Add	*1,141.13*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,467.58	125.46
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*221.67*	
		For Clear Lacquer Finish, Add	*443.33*	
		For Baked Enamel Standard Colors, Add	*665.00*	
		For Anodized Finish, Add	*886.66*	
		For Kynar® Standard Colors Finish, Add	*1,219.16*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,624.51	131.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*236.11*	
		For Clear Lacquer Finish, Add	*472.21*	
		For Baked Enamel Standard Colors, Add	*708.32*	
		For Anodized Finish, Add	*944.42*	
		For Kynar® Standard Colors Finish, Add	*1,298.58*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,838.46	138.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*256.25*	
		For Clear Lacquer Finish, Add	*512.49*	
		For Baked Enamel Standard Colors, Add	*768.74*	
		For Anodized Finish, Add	*1,024.98*	
		For Kynar® Standard Colors Finish, Add	*1,409.35*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,019.48	144.28
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*273.09*	
		For Clear Lacquer Finish, Add	*546.18*	
		For Baked Enamel Standard Colors, Add	*819.28*	
		For Anodized Finish, Add	*1,092.37*	
		For Kynar® Standard Colors Finish, Add	*1,502.01*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,247.30	153.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*293.99*	
		For Clear Lacquer Finish, Add	*587.98*	
		For Baked Enamel Standard Colors, Add	*881.98*	
		For Anodized Finish, Add	*1,175.97*	
		For Kynar® Standard Colors Finish, Add	*1,616.96*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,414.32	163.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*308.81*	
		For Clear Lacquer Finish, Add	*617.62*	
		For Baked Enamel Standard Colors, Add	*926.44*	
		For Anodized Finish, Add	*1,235.25*	
		For Kynar® Standard Colors Finish, Add	*1,698.47*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	804.69	47.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*71.06*	
		For Clear Lacquer Finish, Add	*142.12*	
		For Baked Enamel Standard Colors, Add	*213.18*	
		For Anodized Finish, Add	*284.24*	
		For Kynar® Standard Colors Finish, Add	*390.83*	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,071.66	62.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*94.62*	
		For Clear Lacquer Finish, Add	*189.24*	
		For Baked Enamel Standard Colors, Add	*283.86*	
		For Anodized Finish, Add	*378.48*	
		For Kynar® Standard Colors Finish, Add	*520.41*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,272.87	72.14
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*112.86*	
		For Clear Lacquer Finish, Add	*225.72*	
		For Baked Enamel Standard Colors, Add	*338.58*	
		For Anodized Finish, Add	*451.44*	
		For Kynar® Standard Colors Finish, Add	*620.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,493.09	81.54
		For Flange Frame, Add	*133.00*	
		For Clear Lacquer Finish, Add	*266.00*	
		For Baked Enamel Standard Colors, Add	*399.00*	
		For Anodized Finish, Add	*532.00*	
		For Kynar® Standard Colors Finish, Add	*731.49*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,690.57	87.82
		For Flange Frame, Add	*151.49*	
		For Clear Lacquer Finish, Add	*302.99*	
		For Baked Enamel Standard Colors, Add	*454.48*	
		For Anodized Finish, Add	*605.97*	
		For Kynar® Standard Colors Finish, Add	*833.21*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,894.32	97.23
		For Flange Frame, Add	*169.99*	
		For Clear Lacquer Finish, Add	*339.97*	
		For Baked Enamel Standard Colors, Add	*509.96*	
		For Anodized Finish, Add	*679.94*	
		For Kynar® Standard Colors Finish, Add	*934.92*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,139.93	103.50
		For Flange Frame, Add	*193.29*	
		For Clear Lacquer Finish, Add	*386.58*	
		For Baked Enamel Standard Colors, Add	*579.88*	
		For Anodized Finish, Add	*773.17*	
		For Kynar® Standard Colors Finish, Add	*1,063.11*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,348.75	112.91
		For Flange Frame, Add	*212.29*	
		For Clear Lacquer Finish, Add	*424.58*	
		For Baked Enamel Standard Colors, Add	*636.88*	
		For Anodized Finish, Add	*849.17*	
		For Kynar® Standard Colors Finish, Add	*1,167.61*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,520.90	119.18
		For Flange Frame, Add	*228.25*	
		For Clear Lacquer Finish, Add	*456.50*	
		For Baked Enamel Standard Colors, Add	*684.76*	
		For Anodized Finish, Add	*913.01*	
		For Kynar® Standard Colors Finish, Add	*1,255.39*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,708.11	131.73
		For Flange Frame, Add	*244.47*	
		For Clear Lacquer Finish, Add	*488.93*	
		For Baked Enamel Standard Colors, Add	*733.40*	
		For Anodized Finish, Add	*977.86*	
		For Kynar® Standard Colors Finish, Add	*1,344.56*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,887.80	141.14
		For Flange Frame, Add	*260.55*	
		For Clear Lacquer Finish, Add	*521.10*	
		For Baked Enamel Standard Colors, Add	*781.66*	
		For Anodized Finish, Add	*1,042.21*	
		For Kynar® Standard Colors Finish, Add	*1,433.04*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,115.68	147.41
		For Flange Frame, Add	*282.09*	
		For Clear Lacquer Finish, Add	*564.17*	
		For Baked Enamel Standard Colors, Add	*846.26*	
		For Anodized Finish, Add	*1,128.34*	
		For Kynar® Standard Colors Finish, Add	*1,551.47*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,313.16	153.69
		For Flange Frame, Add	*300.58*	
		For Clear Lacquer Finish, Add	*601.16*	
		For Baked Enamel Standard Colors, Add	*901.73*	
		For Anodized Finish, Add	*1,202.31*	
		For Kynar® Standard Colors Finish, Add	*1,653.18*	
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,552.38	163.10
		For Flange Frame, Add	*322.62*	
		For Clear Lacquer Finish, Add	*645.24*	
		For Baked Enamel Standard Colors, Add	*967.85*	
		For Anodized Finish, Add	*1,290.47*	
		For Kynar® Standard Colors Finish, Add	*1,774.40*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,742.20	172.51
		For Flange Frame, Add	*339.72*	
		For Clear Lacquer Finish, Add	*679.44*	
		For Baked Enamel Standard Colors, Add	*1,019.15*	
		For Anodized Finish, Add	*1,358.87*	
		For Kynar® Standard Colors Finish, Add	*1,868.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	880.57	53.32
		For Flange Frame, Add	*77.39*	
		For Clear Lacquer Finish, Add	*154.79*	
		For Baked Enamel Standard Colors, Add	*232.18*	
		For Anodized Finish, Add	*309.57*	
		For Kynar® Standard Colors Finish, Add	*425.66*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,193.13	69.01
		For Flange Frame, Add	*105.51*	
		For Clear Lacquer Finish, Add	*211.03*	
		For Baked Enamel Standard Colors, Add	*316.54*	
		For Anodized Finish, Add	*422.05*	
		For Kynar® Standard Colors Finish, Add	*580.32*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,395.61	78.42
		For Flange Frame, Add	*123.88*	
		For Clear Lacquer Finish, Add	*247.76*	
		For Baked Enamel Standard Colors, Add	*371.64*	
		For Anodized Finish, Add	*495.52*	
		For Kynar® Standard Colors Finish, Add	*681.33*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,637.37	87.82
		For Flange Frame, Add	*146.17*	
		For Clear Lacquer Finish, Add	*292.35*	
		For Baked Enamel Standard Colors, Add	*438.52*	
		For Anodized Finish, Add	*584.69*	
		For Kynar® Standard Colors Finish, Add	*803.95*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,861.41	95.35
		For Flange Frame, Add	*167.07*	
		For Clear Lacquer Finish, Add	*334.14*	
		For Baked Enamel Standard Colors, Add	*501.22*	
		For Anodized Finish, Add	*668.29*	
		For Kynar® Standard Colors Finish, Add	*918.90*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,071.53	103.50
		For Flange Frame, Add	*186.45*	
		For Clear Lacquer Finish, Add	*372.90*	
		For Baked Enamel Standard Colors, Add	*559.36*	
		For Anodized Finish, Add	*745.81*	
		For Kynar® Standard Colors Finish, Add	*1,025.49*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,346.28	109.77
		For Flange Frame, Add	*212.67*	
		For Clear Lacquer Finish, Add	*425.34*	
		For Baked Enamel Standard Colors, Add	*638.02*	
		For Anodized Finish, Add	*850.69*	
		For Kynar® Standard Colors Finish, Add	*1,169.70*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,581.70	119.18
		For Flange Frame, Add	*234.33*	
		For Clear Lacquer Finish, Add	*468.66*	
		For Baked Enamel Standard Colors, Add	*703.00*	
		For Anodized Finish, Add	*937.33*	
		For Kynar® Standard Colors Finish, Add	*1,288.83*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,772.78	128.59
		For Flange Frame, Add	*251.56*	
		For Clear Lacquer Finish, Add	*503.12*	
		For Baked Enamel Standard Colors, Add	*754.68*	
		For Anodized Finish, Add	*1,006.24*	
		For Kynar® Standard Colors Finish, Add	*1,383.57*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,968.93	138.00
		For Flange Frame, Add	*269.29*	
		For Clear Lacquer Finish, Add	*538.58*	
		For Baked Enamel Standard Colors, Add	*807.88*	
		For Anodized Finish, Add	*1,077.17*	
		For Kynar® Standard Colors Finish, Add	*1,481.11*	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,171.41	147.41
		For Flange Frame, Add	*287.66*	
		For Clear Lacquer Finish, Add	*575.32*	
		For Baked Enamel Standard Colors, Add	*862.97*	
		For Anodized Finish, Add	*1,150.63*	
		For Kynar® Standard Colors Finish, Add	*1,582.12*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,420.83	153.69
		For Flange Frame, Add	*311.35*	
		For Clear Lacquer Finish, Add	*622.69*	
		For Baked Enamel Standard Colors, Add	*934.04*	
		For Anodized Finish, Add	*1,245.38*	
		For Kynar® Standard Colors Finish, Add	*1,712.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,633.50	159.96
		For Flange Frame, Add	*331.36*	
		For Clear Lacquer Finish, Add	*662.72*	
		For Baked Enamel Standard Colors, Add	*994.07*	
		For Anodized Finish, Add	*1,325.43*	
		For Kynar® Standard Colors Finish, Add	*1,822.47*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,904.39	169.37
		For Flange Frame, Add	*356.57*	
		For Clear Lacquer Finish, Add	*713.13*	
		For Baked Enamel Standard Colors, Add	*1,069.70*	
		For Anodized Finish, Add	*1,426.26*	
		For Kynar® Standard Colors Finish, Add	*1,961.11*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,105.61	178.78
		For Flange Frame, Add	*374.81*	
		For Clear Lacquer Finish, Add	*749.61*	
		For Baked Enamel Standard Colors, Add	*1,124.42*	
		For Anodized Finish, Add	*1,499.22*	
		For Kynar® Standard Colors Finish, Add	*2,061.43*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,008.38	59.60
		For Flange Frame, Add	*88.92*	
		For Clear Lacquer Finish, Add	*177.84*	
		For Baked Enamel Standard Colors, Add	*266.76*	
		For Anodized Finish, Add	*355.68*	
		For Kynar® Standard Colors Finish, Add	*489.06*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,286.74	75.28
		For Flange Frame, Add	*113.62*	
		For Clear Lacquer Finish, Add	*227.24*	
		For Baked Enamel Standard Colors, Add	*340.86*	
		For Anodized Finish, Add	*454.48*	
		For Kynar® Standard Colors Finish, Add	*624.90*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,512.03	84.68
		For Flange Frame, Add	*134.27*	
		For Clear Lacquer Finish, Add	*268.53*	
		For Baked Enamel Standard Colors, Add	*402.80*	
		For Anodized Finish, Add	*537.06*	
		For Kynar® Standard Colors Finish, Add	*738.46*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,768.92	97.23
		For Flange Frame, Add	*157.45*	
		For Clear Lacquer Finish, Add	*314.89*	
		For Baked Enamel Standard Colors, Add	*472.34*	
		For Anodized Finish, Add	*629.78*	
		For Kynar® Standard Colors Finish, Add	*865.95*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,008.20	103.50
		For Flange Frame, Add	*180.12*	
		For Clear Lacquer Finish, Add	*360.24*	
		For Baked Enamel Standard Colors, Add	*540.36*	
		For Anodized Finish, Add	*720.48*	
		For Kynar® Standard Colors Finish, Add	*990.65*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,234.82	109.77
		For Flange Frame, Add	*201.53*	
		For Clear Lacquer Finish, Add	*403.05*	
		For Baked Enamel Standard Colors, Add	*604.58*	
		For Anodized Finish, Add	*806.10*	
		For Kynar® Standard Colors Finish, Add	*1,108.39*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,533.63	116.05
		For Flange Frame, Add	*230.15*	
		For Clear Lacquer Finish, Add	*460.30*	
		For Baked Enamel Standard Colors, Add	*690.46*	
		For Anodized Finish, Add	*920.61*	
		For Kynar® Standard Colors Finish, Add	*1,265.84*	
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,772.84	125.46
		For Flange Frame, Add	*252.19*	
		For Clear Lacquer Finish, Add	*504.38*	
		For Baked Enamel Standard Colors, Add	*756.58*	
		For Anodized Finish, Add	*1,008.77*	
		For Kynar® Standard Colors Finish, Add	*1,387.06*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,987.99	134.87
		For Flange Frame, Add	*271.83*	
		For Clear Lacquer Finish, Add	*543.65*	
		For Baked Enamel Standard Colors, Add	*815.48*	
		For Anodized Finish, Add	*1,087.30*	
		For Kynar® Standard Colors Finish, Add	*1,495.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,189.21	144.28
		For Flange Frame, Add	*290.07*	
		For Clear Lacquer Finish, Add	*580.13*	
		For Baked Enamel Standard Colors, Add	*870.20*	
		For Anodized Finish, Add	*1,160.26*	
		For Kynar® Standard Colors Finish, Add	*1,595.36*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,409.43	153.69
		For Flange Frame, Add	*310.21*	
		For Clear Lacquer Finish, Add	*620.41*	
		For Baked Enamel Standard Colors, Add	*930.62*	
		For Anodized Finish, Add	*1,240.82*	
		For Kynar® Standard Colors Finish, Add	*1,706.13*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,677.84	159.96
		For Flange Frame, Add	*335.79*	
		For Clear Lacquer Finish, Add	*671.58*	
		For Baked Enamel Standard Colors, Add	*1,007.38*	
		For Anodized Finish, Add	*1,343.17*	
		For Kynar® Standard Colors Finish, Add	*1,846.86*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,910.78	166.23
		For Flange Frame, Add	*357.83*	
		For Clear Lacquer Finish, Add	*715.66*	
		For Baked Enamel Standard Colors, Add	*1,073.49*	
		For Anodized Finish, Add	*1,431.32*	
		For Kynar® Standard Colors Finish, Add	*1,968.07*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,214.60	175.64
		For Flange Frame, Add	*386.33*	
		For Clear Lacquer Finish, Add	*772.66*	
		For Baked Enamel Standard Colors, Add	*1,158.99*	
		For Anodized Finish, Add	*1,545.32*	
		For Kynar® Standard Colors Finish, Add	*2,124.82*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,424.69	185.05
		For Flange Frame, Add	*405.46*	
		For Clear Lacquer Finish, Add	*810.92*	
		For Baked Enamel Standard Colors, Add	*1,216.37*	
		For Anodized Finish, Add	*1,621.83*	
		For Kynar® Standard Colors Finish, Add	*2,230.02*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,090.59	65.87
		For Flange Frame, Add	*95.89*	
		For Clear Lacquer Finish, Add	*191.77*	
		For Baked Enamel Standard Colors, Add	*287.66*	
		For Anodized Finish, Add	*383.54*	
		For Kynar® Standard Colors Finish, Add	*527.37*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,386.69	81.54
		For Flange Frame, Add	*122.36*	
		For Clear Lacquer Finish, Add	*244.72*	
		For Baked Enamel Standard Colors, Add	*367.08*	
		For Anodized Finish, Add	*489.44*	
		For Kynar® Standard Colors Finish, Add	*672.97*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,642.32	94.09
		For Flange Frame, Add	*145.41*	
		For Clear Lacquer Finish, Add	*290.83*	
		For Baked Enamel Standard Colors, Add	*436.24*	
		For Anodized Finish, Add	*581.65*	
		For Kynar® Standard Colors Finish, Add	*799.77*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,906.87	103.50
		For Flange Frame, Add	*169.99*	
		For Clear Lacquer Finish, Add	*339.97*	
		For Baked Enamel Standard Colors, Add	*509.96*	
		For Anodized Finish, Add	*679.94*	
		For Kynar® Standard Colors Finish, Add	*934.92*	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,171.48	109.77
		For Flange Frame, Add	*195.19*	
		For Clear Lacquer Finish, Add	*390.38*	
		For Baked Enamel Standard Colors, Add	*585.58*	
		For Anodized Finish, Add	*780.77*	
		For Kynar® Standard Colors Finish, Add	*1,073.56*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,427.23	116.05
		For Flange Frame, Add	*219.51*	
		For Clear Lacquer Finish, Add	*439.02*	
		For Baked Enamel Standard Colors, Add	*658.54*	
		For Anodized Finish, Add	*878.05*	
		For Kynar® Standard Colors Finish, Add	*1,207.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,744.97	125.46
		For Flange Frame, Add	*249.41*	
		For Clear Lacquer Finish, Add	*498.81*	
		For Baked Enamel Standard Colors, Add	*748.22*	
		For Anodized Finish, Add	*997.62*	
		For Kynar® Standard Colors Finish, Add	*1,371.73*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,006.99	134.87
		For Flange Frame, Add	*273.73*	
		For Clear Lacquer Finish, Add	*547.45*	
		For Baked Enamel Standard Colors, Add	*821.18*	
		For Anodized Finish, Add	*1,094.90*	
		For Kynar® Standard Colors Finish, Add	*1,505.49*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,233.54	144.28
		For Flange Frame, Add	*294.50*	
		For Clear Lacquer Finish, Add	*589.00*	
		For Baked Enamel Standard Colors, Add	*883.49*	
		For Anodized Finish, Add	*1,177.99*	
		For Kynar® Standard Colors Finish, Add	*1,619.74*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,463.90	153.69
		For Flange Frame, Add	*315.65*	
		For Clear Lacquer Finish, Add	*631.30*	
		For Baked Enamel Standard Colors, Add	*946.96*	
		For Anodized Finish, Add	*1,262.61*	
		For Kynar® Standard Colors Finish, Add	*1,736.09*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,689.18	163.10
		For Flange Frame, Add	*336.30*	
		For Clear Lacquer Finish, Add	*672.60*	
		For Baked Enamel Standard Colors, Add	*1,008.89*	
		For Anodized Finish, Add	*1,345.19*	
		For Kynar® Standard Colors Finish, Add	*1,849.64*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,993.05	169.37
		For Flange Frame, Add	*365.43*	
		For Clear Lacquer Finish, Add	*730.86*	
		For Baked Enamel Standard Colors, Add	*1,096.29*	
		For Anodized Finish, Add	*1,461.72*	
		For Kynar® Standard Colors Finish, Add	*2,009.87*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,245.00	175.64
		For Flange Frame, Add	*389.37*	
		For Clear Lacquer Finish, Add	*778.74*	
		For Baked Enamel Standard Colors, Add	*1,168.11*	
		For Anodized Finish, Add	*1,557.48*	
		For Kynar® Standard Colors Finish, Add	*2,141.54*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,556.48	181.92
		For Flange Frame, Add	*419.26*	
		For Clear Lacquer Finish, Add	*838.53*	
		For Baked Enamel Standard Colors, Add	*1,257.79*	
		For Anodized Finish, Add	*1,677.06*	
		For Kynar® Standard Colors Finish, Add	*2,305.95*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,788.10	191.33
		For Flange Frame, Add	*440.54*	
		For Clear Lacquer Finish, Add	*881.09*	
		For Baked Enamel Standard Colors, Add	*1,321.63*	
		For Anodized Finish, Add	*1,762.18*	
		For Kynar® Standard Colors Finish, Add	*2,422.99*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,266.48	75.28
		For Flange Frame, Add	*111.59*	
		For Clear Lacquer Finish, Add	*223.19*	
		For Baked Enamel Standard Colors, Add	*334.78*	
		For Anodized Finish, Add	*446.37*	
		For Kynar® Standard Colors Finish, Add	*613.76*	
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,625.91	90.95
		For Flange Frame, Add	*144.40*	
		For Clear Lacquer Finish, Add	*288.80*	
		For Baked Enamel Standard Colors, Add	*433.20*	
		For Anodized Finish, Add	*577.60*	
		For Kynar® Standard Colors Finish, Add	*794.19*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,905.54	106.64
		For Flange Frame, Add	*169.23*	
		For Clear Lacquer Finish, Add	*338.45*	
		For Baked Enamel Standard Colors, Add	*507.68*	
		For Anodized Finish, Add	*676.90*	
		For Kynar® Standard Colors Finish, Add	*930.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,192.95	112.91
		For Flange Frame, Add	*196.71*	
		For Clear Lacquer Finish, Add	*393.42*	
		For Baked Enamel Standard Colors, Add	*590.14*	
		For Anodized Finish, Add	*786.85*	
		For Kynar® Standard Colors Finish, Add	*1,081.92*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,505.70	119.18
		For Flange Frame, Add	*226.73*	
		For Clear Lacquer Finish, Add	*453.46*	
		For Baked Enamel Standard Colors, Add	*680.20*	
		For Anodized Finish, Add	*906.93*	
		For Kynar® Standard Colors Finish, Add	*1,247.03*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,785.51	125.46
		For Flange Frame, Add	*253.46*	
		For Clear Lacquer Finish, Add	*506.92*	
		For Baked Enamel Standard Colors, Add	*760.38*	
		For Anodized Finish, Add	*1,013.84*	
		For Kynar® Standard Colors Finish, Add	*1,394.02*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,155.19	134.87
		For Flange Frame, Add	*288.55*	
		For Clear Lacquer Finish, Add	*577.09*	
		For Baked Enamel Standard Colors, Add	*865.64*	
		For Anodized Finish, Add	*1,154.18*	
		For Kynar® Standard Colors Finish, Add	*1,587.00*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,514.74	144.28
		For Flange Frame, Add	*322.62*	
		For Clear Lacquer Finish, Add	*645.24*	
		For Baked Enamel Standard Colors, Add	*967.85*	
		For Anodized Finish, Add	*1,290.47*	
		For Kynar® Standard Colors Finish, Add	*1,774.40*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,783.10	153.69
		For Flange Frame, Add	*347.57*	
		For Clear Lacquer Finish, Add	*695.14*	
		For Baked Enamel Standard Colors, Add	*1,042.72*	
		For Anodized Finish, Add	*1,390.29*	
		For Kynar® Standard Colors Finish, Add	*1,911.65*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,047.65	163.10
		For Flange Frame, Add	*372.15*	
		For Clear Lacquer Finish, Add	*744.29*	
		For Baked Enamel Standard Colors, Add	*1,116.44*	
		For Anodized Finish, Add	*1,488.58*	
		For Kynar® Standard Colors Finish, Add	*2,046.80*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,303.39	169.37
		For Flange Frame, Add	*396.47*	
		For Clear Lacquer Finish, Add	*792.93*	
		For Baked Enamel Standard Colors, Add	*1,189.40*	
		For Anodized Finish, Add	*1,585.86*	
		For Kynar® Standard Colors Finish, Add	*2,180.56*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,642.73	175.64
		For Flange Frame, Add	*429.14*	
		For Clear Lacquer Finish, Add	*858.29*	
		For Baked Enamel Standard Colors, Add	*1,287.43*	
		For Anodized Finish, Add	*1,716.58*	
		For Kynar® Standard Colors Finish, Add	*2,360.29*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,925.08	181.92
		For Flange Frame, Add	*456.12*	
		For Clear Lacquer Finish, Add	*912.25*	
		For Baked Enamel Standard Colors, Add	*1,368.37*	
		For Anodized Finish, Add	*1,824.50*	
		For Kynar® Standard Colors Finish, Add	*2,508.68*	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,289.75	188.19
		For Flange Frame, Add	*491.34*	
		For Clear Lacquer Finish, Add	*982.67*	
		For Baked Enamel Standard Colors, Add	*1,474.01*	
		For Anodized Finish, Add	*1,965.35*	
		For Kynar® Standard Colors Finish, Add	*2,702.35*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,560.64	197.60
		For Flange Frame, Add	*516.54*	
		For Clear Lacquer Finish, Add	*1,033.09*	
		For Baked Enamel Standard Colors, Add	*1,549.63*	
		For Anodized Finish, Add	*2,066.18*	
		For Kynar® Standard Colors Finish, Add	*2,840.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,343.63	81.54
		For Flange Frame, Add	*118.05*	
		For Clear Lacquer Finish, Add	*236.11*	
		For Baked Enamel Standard Colors, Add	*354.16*	
		For Anodized Finish, Add	*472.21*	
		For Kynar® Standard Colors Finish, Add	*649.29*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,732.13	100.36
		For Flange Frame, Add	*153.14*	
		For Clear Lacquer Finish, Add	*306.28*	
		For Baked Enamel Standard Colors, Add	*459.42*	
		For Anodized Finish, Add	*612.56*	
		For Kynar® Standard Colors Finish, Add	*842.26*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,019.42	112.91
		For Flange Frame, Add	*179.36*	
		For Clear Lacquer Finish, Add	*358.72*	
		For Baked Enamel Standard Colors, Add	*538.08*	
		For Anodized Finish, Add	*717.44*	
		For Kynar® Standard Colors Finish, Add	*986.47*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,335.97	119.18
		For Flange Frame, Add	*209.76*	
		For Clear Lacquer Finish, Add	*419.52*	
		For Baked Enamel Standard Colors, Add	*629.28*	
		For Anodized Finish, Add	*839.04*	
		For Kynar® Standard Colors Finish, Add	*1,153.67*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,666.38	128.59
		For Flange Frame, Add	*240.92*	
		For Clear Lacquer Finish, Add	*481.84*	
		For Baked Enamel Standard Colors, Add	*722.76*	
		For Anodized Finish, Add	*963.68*	
		For Kynar® Standard Colors Finish, Add	*1,325.05*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,962.66	134.87
		For Flange Frame, Add	*269.29*	
		For Clear Lacquer Finish, Add	*538.58*	
		For Baked Enamel Standard Colors, Add	*807.88*	
		For Anodized Finish, Add	*1,077.17*	
		For Kynar® Standard Colors Finish, Add	*1,481.11*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,358.94	144.28
		For Flange Frame, Add	*307.04*	
		For Clear Lacquer Finish, Add	*614.08*	
		For Baked Enamel Standard Colors, Add	*921.11*	
		For Anodized Finish, Add	*1,228.15*	
		For Kynar® Standard Colors Finish, Add	*1,688.71*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,728.63	153.69
		For Flange Frame, Add	*342.13*	
		For Clear Lacquer Finish, Add	*684.25*	
		For Baked Enamel Standard Colors, Add	*1,026.38*	
		For Anodized Finish, Add	*1,368.50*	
		For Kynar® Standard Colors Finish, Add	*1,881.69*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,015.98	163.10
		For Flange Frame, Add	*368.98*	
		For Clear Lacquer Finish, Add	*737.96*	
		For Baked Enamel Standard Colors, Add	*1,106.93*	
		For Anodized Finish, Add	*1,475.91*	
		For Kynar® Standard Colors Finish, Add	*2,029.38*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,298.27	172.51
		For Flange Frame, Add	*395.33*	
		For Clear Lacquer Finish, Add	*790.65*	
		For Baked Enamel Standard Colors, Add	*1,185.98*	
		For Anodized Finish, Add	*1,581.30*	
		For Kynar® Standard Colors Finish, Add	*2,174.29*	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,570.47	178.78
		For Flange Frame, Add	*421.29*	
		For Clear Lacquer Finish, Add	*842.58*	
		For Baked Enamel Standard Colors, Add	*1,263.87*	
		For Anodized Finish, Add	*1,685.16*	
		For Kynar® Standard Colors Finish, Add	*2,317.10*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,938.95	185.05
		For Flange Frame, Add	*456.88*	
		For Clear Lacquer Finish, Add	*913.77*	
		For Baked Enamel Standard Colors, Add	*1,370.65*	
		For Anodized Finish, Add	*1,827.54*	
		For Kynar® Standard Colors Finish, Add	*2,512.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,235.23	191.33
		For Flange Frame, Add	*485.26*	
		For Clear Lacquer Finish, Add	*970.51*	
		For Baked Enamel Standard Colors, Add	*1,455.77*	
		For Anodized Finish, Add	*1,941.03*	
		For Kynar® Standard Colors Finish, Add	*2,668.91*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,618.91	197.60
		For Flange Frame, Add	*522.37*	
		For Clear Lacquer Finish, Add	*1,044.74*	
		For Baked Enamel Standard Colors, Add	*1,567.11*	
		For Anodized Finish, Add	*2,089.48*	
		For Kynar® Standard Colors Finish, Add	*2,873.04*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,899.98	203.87
		For Flange Frame, Add	*549.22*	
		For Clear Lacquer Finish, Add	*1,098.45*	
		For Baked Enamel Standard Colors, Add	*1,647.67*	
		For Anodized Finish, Add	*2,196.90*	
		For Kynar® Standard Colors Finish, Add	*3,020.73*	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators *(08 91 16)*

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	336.33	31.37
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	757.22	12.55

08 91 19 Fixed Louvers *(08 91)*

08 91 19 00-0001 Fixed Intake Wall Louvers *(08 91 19)*

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	438.99	28.23
		For Flange Frame, Add	*38.25*	
		For Clear Lacquer Finish, Add	*76.51*	
		For Baked Enamel Standard Colors, Add	*114.76*	
		For Anodized Finish, Add	*153.01*	
		For Kynar® Standard Colors Finish, Add	*210.39*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	521.21	34.50
		For Flange Frame, Add	*45.22*	
		For Clear Lacquer Finish, Add	*90.44*	
		For Baked Enamel Standard Colors, Add	*135.66*	
		For Anodized Finish, Add	*180.88*	
		For Kynar® Standard Colors Finish, Add	*248.71*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	604.67	40.78
		For Flange Frame, Add	*52.31*	
		For Clear Lacquer Finish, Add	*104.63*	
		For Baked Enamel Standard Colors, Add	*156.94*	
		For Anodized Finish, Add	*209.25*	
		For Kynar® Standard Colors Finish, Add	*287.72*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	709.69	47.05
		For Flange Frame, Add	*61.56*	
		For Clear Lacquer Finish, Add	*123.12*	
		For Baked Enamel Standard Colors, Add	*184.68*	
		For Anodized Finish, Add	*246.24*	
		For Kynar® Standard Colors Finish, Add	*338.58*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	798.24	53.32
		For Flange Frame, Add	*69.16*	
		For Clear Lacquer Finish, Add	*138.32*	
		For Baked Enamel Standard Colors, Add	*207.48*	
		For Anodized Finish, Add	*276.64*	
		For Kynar® Standard Colors Finish, Add	*380.38*	
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	942.51	59.60
		For Flange Frame, Add	*82.33*	
		For Clear Lacquer Finish, Add	*164.67*	
		For Baked Enamel Standard Colors, Add	*247.00*	
		For Anodized Finish, Add	*329.33*	
		For Kynar® Standard Colors Finish, Add	*452.83*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,020.93	65.87
		For Flange Frame, Add	*88.92*	
		For Clear Lacquer Finish, Add	*177.84*	
		For Baked Enamel Standard Colors, Add	*266.76*	
		For Anodized Finish, Add	*355.68*	
		For Kynar® Standard Colors Finish, Add	*489.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,141.08	75.28
		For Flange Frame, Add	*99.05*	
		For Clear Lacquer Finish, Add	*198.11*	
		For Baked Enamel Standard Colors, Add	*297.16*	
		For Anodized Finish, Add	*396.21*	
		For Kynar® Standard Colors Finish, Add	*544.79*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,213.16	81.54
		For Flange Frame, Add	*105.01*	
		For Clear Lacquer Finish, Add	*210.01*	
		For Baked Enamel Standard Colors, Add	*315.02*	
		For Anodized Finish, Add	*420.02*	
		For Kynar® Standard Colors Finish, Add	*577.53*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,311.83	87.82
		For Flange Frame, Add	*113.62*	
		For Clear Lacquer Finish, Add	*227.24*	
		For Baked Enamel Standard Colors, Add	*340.86*	
		For Anodized Finish, Add	*454.48*	
		For Kynar® Standard Colors Finish, Add	*624.90*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,397.85	94.09
		For Flange Frame, Add	*120.97*	
		For Clear Lacquer Finish, Add	*241.93*	
		For Baked Enamel Standard Colors, Add	*362.90*	
		For Anodized Finish, Add	*483.86*	
		For Kynar® Standard Colors Finish, Add	*665.31*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,500.33	100.36
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar® Standard Colors Finish, Add	*714.77*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,596.47	106.64
		For Flange Frame, Add	*138.32*	
		For Clear Lacquer Finish, Add	*276.64*	
		For Baked Enamel Standard Colors, Add	*414.96*	
		For Anodized Finish, Add	*553.28*	
		For Kynar® Standard Colors Finish, Add	*760.75*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,681.17	116.05
		For Flange Frame, Add	*144.91*	
		For Clear Lacquer Finish, Add	*289.81*	
		For Baked Enamel Standard Colors, Add	*434.72*	
		For Anodized Finish, Add	*579.62*	
		For Kynar® Standard Colors Finish, Add	*796.98*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,794.98	125.46
		For Flange Frame, Add	*154.41*	
		For Clear Lacquer Finish, Add	*308.81*	
		For Baked Enamel Standard Colors, Add	*463.22*	
		For Anodized Finish, Add	*617.62*	
		For Kynar® Standard Colors Finish, Add	*849.23*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	509.81	34.50
		For Flange Frame, Add	*44.08*	
		For Clear Lacquer Finish, Add	*88.16*	
		For Baked Enamel Standard Colors, Add	*132.24*	
		For Anodized Finish, Add	*176.32*	
		For Kynar® Standard Colors Finish, Add	*242.44*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	610.95	43.91
		For Flange Frame, Add	*52.31*	
		For Clear Lacquer Finish, Add	*104.63*	
		For Baked Enamel Standard Colors, Add	*156.94*	
		For Anodized Finish, Add	*209.25*	
		For Kynar® Standard Colors Finish, Add	*287.72*	
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	708.36	50.19
		For Flange Frame, Add	*60.80*	
		For Clear Lacquer Finish, Add	*121.60*	
		For Baked Enamel Standard Colors, Add	*182.40*	
		For Anodized Finish, Add	*243.20*	
		For Kynar® Standard Colors Finish, Add	*334.40*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	887.99	62.73
		For Flange Frame, Add	*76.25*	
		For Clear Lacquer Finish, Add	*152.51*	
		For Baked Enamel Standard Colors, Add	*228.76*	
		For Anodized Finish, Add	*305.01*	
		For Kynar® Standard Colors Finish, Add	*419.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,019.60	69.01
		For Flange Frame, Add	*88.16*	
		For Clear Lacquer Finish, Add	*176.32*	
		For Baked Enamel Standard Colors, Add	*264.48*	
		For Anodized Finish, Add	*352.64*	
		For Kynar® Standard Colors Finish, Add	*484.88*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,136.01	75.28
		For Flange Frame, Add	*98.55*	
		For Clear Lacquer Finish, Add	*197.09*	
		For Baked Enamel Standard Colors, Add	*295.64*	
		For Anodized Finish, Add	*394.18*	
		For Kynar® Standard Colors Finish, Add	*542.00*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,218.23	81.54
		For Flange Frame, Add	*105.51*	
		For Clear Lacquer Finish, Add	*211.03*	
		For Baked Enamel Standard Colors, Add	*316.54*	
		For Anodized Finish, Add	*422.05*	
		For Kynar® Standard Colors Finish, Add	*580.32*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,356.11	90.95
		For Flange Frame, Add	*117.42*	
		For Clear Lacquer Finish, Add	*234.84*	
		For Baked Enamel Standard Colors, Add	*352.26*	
		For Anodized Finish, Add	*469.68*	
		For Kynar® Standard Colors Finish, Add	*645.80*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,452.20	100.36
		For Flange Frame, Add	*125.15*	
		For Clear Lacquer Finish, Add	*250.29*	
		For Baked Enamel Standard Colors, Add	*375.44*	
		For Anodized Finish, Add	*500.58*	
		For Kynar® Standard Colors Finish, Add	*688.30*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,578.74	106.64
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,674.89	112.91
		For Flange Frame, Add	*144.91*	
		For Clear Lacquer Finish, Add	*289.81*	
		For Baked Enamel Standard Colors, Add	*434.72*	
		For Anodized Finish, Add	*579.62*	
		For Kynar® Standard Colors Finish, Add	*796.98*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,782.44	119.18
		For Flange Frame, Add	*154.41*	
		For Clear Lacquer Finish, Add	*308.81*	
		For Baked Enamel Standard Colors, Add	*463.22*	
		For Anodized Finish, Add	*617.62*	
		For Kynar® Standard Colors Finish, Add	*849.23*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,895.04	125.46
		For Flange Frame, Add	*164.41*	
		For Clear Lacquer Finish, Add	*328.82*	
		For Baked Enamel Standard Colors, Add	*493.24*	
		For Anodized Finish, Add	*657.65*	
		For Kynar® Standard Colors Finish, Add	*904.27*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,993.66	134.87
		For Flange Frame, Add	*172.39*	
		For Clear Lacquer Finish, Add	*344.78*	
		For Baked Enamel Standard Colors, Add	*517.18*	
		For Anodized Finish, Add	*689.57*	
		For Kynar® Standard Colors Finish, Add	*948.16*	
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,131.55	144.28
		For Flange Frame, Add	*184.30*	
		For Clear Lacquer Finish, Add	*368.60*	
		For Baked Enamel Standard Colors, Add	*552.90*	
		For Anodized Finish, Add	*737.20*	
		For Kynar® Standard Colors Finish, Add	*1,013.64*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	589.47	40.78
		For Flange Frame, Add	*50.79*	
		For Clear Lacquer Finish, Add	*101.59*	
		For Baked Enamel Standard Colors, Add	*152.38*	
		For Anodized Finish, Add	*203.17*	
		For Kynar® Standard Colors Finish, Add	*279.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	702.02	50.19
		For Flange Frame, Add	*60.17*	
		For Clear Lacquer Finish, Add	*120.33*	
		For Baked Enamel Standard Colors, Add	*180.50*	
		For Anodized Finish, Add	*240.66*	
		For Kynar® Standard Colors Finish, Add	*330.91*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	870.31	59.60
		For Flange Frame, Add	*75.11*	
		For Clear Lacquer Finish, Add	*150.23*	
		For Baked Enamel Standard Colors, Add	*225.34*	
		For Anodized Finish, Add	*300.45*	
		For Kynar® Standard Colors Finish, Add	*413.12*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,025.88	72.14
		For Flange Frame, Add	*88.16*	
		For Clear Lacquer Finish, Add	*176.32*	
		For Baked Enamel Standard Colors, Add	*264.48*	
		For Anodized Finish, Add	*352.64*	
		For Kynar® Standard Colors Finish, Add	*484.88*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,175.21	78.42
		For Flange Frame, Add	*101.84*	
		For Clear Lacquer Finish, Add	*203.68*	
		For Baked Enamel Standard Colors, Add	*305.52*	
		For Anodized Finish, Add	*407.36*	
		For Kynar® Standard Colors Finish, Add	*560.11*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,313.16	84.68
		For Flange Frame, Add	*114.38*	
		For Clear Lacquer Finish, Add	*228.76*	
		For Baked Enamel Standard Colors, Add	*343.14*	
		For Anodized Finish, Add	*457.52*	
		For Kynar® Standard Colors Finish, Add	*629.08*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,426.98	94.09
		For Flange Frame, Add	*123.88*	
		For Clear Lacquer Finish, Add	*247.76*	
		For Baked Enamel Standard Colors, Add	*371.64*	
		For Anodized Finish, Add	*495.52*	
		For Kynar® Standard Colors Finish, Add	*681.33*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,578.74	106.64
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,679.96	112.91
		For Flange Frame, Add	*145.41*	
		For Clear Lacquer Finish, Add	*290.83*	
		For Baked Enamel Standard Colors, Add	*436.24*	
		For Anodized Finish, Add	*581.65*	
		For Kynar® Standard Colors Finish, Add	*799.77*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,845.64	125.46
		For Flange Frame, Add	*159.47*	
		For Clear Lacquer Finish, Add	*318.94*	
		For Baked Enamel Standard Colors, Add	*478.42*	
		For Anodized Finish, Add	*637.89*	
		For Kynar® Standard Colors Finish, Add	*877.10*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,950.65	131.73
		For Flange Frame, Add	*168.72*	
		For Clear Lacquer Finish, Add	*337.44*	
		For Baked Enamel Standard Colors, Add	*506.16*	
		For Anodized Finish, Add	*674.88*	
		For Kynar® Standard Colors Finish, Add	*927.95*	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,087.33	138.00
		For Flange Frame, Add	*181.13*	
		For Clear Lacquer Finish, Add	*362.26*	
		For Baked Enamel Standard Colors, Add	*543.40*	
		For Anodized Finish, Add	*724.53*	
		For Kynar® Standard Colors Finish, Add	*996.23*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,221.48	144.28
		For Flange Frame, Add	*193.29*	
		For Clear Lacquer Finish, Add	*386.58*	
		For Baked Enamel Standard Colors, Add	*579.88*	
		For Anodized Finish, Add	*773.17*	
		For Kynar® Standard Colors Finish, Add	*1,063.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,322.64	153.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*201.53*	
		For Clear Lacquer Finish, Add	*403.05*	
		For Baked Enamel Standard Colors, Add	*604.58*	
		For Anodized Finish, Add	*806.10*	
		For Kynar® Standard Colors Finish, Add	*1,108.39*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,490.92	163.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*216.47*	
		For Clear Lacquer Finish, Add	*432.94*	
		For Baked Enamel Standard Colors, Add	*649.42*	
		For Anodized Finish, Add	*865.89*	
		For Kynar® Standard Colors Finish, Add	*1,190.60*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	660.29	47.05
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*56.62*	
		For Clear Lacquer Finish, Add	*113.24*	
		For Baked Enamel Standard Colors, Add	*169.86*	
		For Anodized Finish, Add	*226.48*	
		For Kynar® Standard Colors Finish, Add	*311.41*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	853.79	62.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*72.83*	
		For Clear Lacquer Finish, Add	*145.67*	
		For Baked Enamel Standard Colors, Add	*218.50*	
		For Anodized Finish, Add	*291.33*	
		For Kynar® Standard Colors Finish, Add	*400.58*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	996.74	72.14
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*85.25*	
		For Clear Lacquer Finish, Add	*170.49*	
		For Baked Enamel Standard Colors, Add	*255.74*	
		For Anodized Finish, Add	*340.98*	
		For Kynar® Standard Colors Finish, Add	*468.85*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,163.76	81.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*100.07*	
		For Clear Lacquer Finish, Add	*200.13*	
		For Baked Enamel Standard Colors, Add	*300.20*	
		For Anodized Finish, Add	*400.26*	
		For Kynar® Standard Colors Finish, Add	*550.36*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,343.50	87.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*116.79*	
		For Clear Lacquer Finish, Add	*233.57*	
		For Baked Enamel Standard Colors, Add	*350.36*	
		For Anodized Finish, Add	*467.14*	
		For Kynar® Standard Colors Finish, Add	*642.32*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,494.05	97.23
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*129.96*	
		For Clear Lacquer Finish, Add	*259.92*	
		For Baked Enamel Standard Colors, Add	*389.88*	
		For Anodized Finish, Add	*519.84*	
		For Kynar® Standard Colors Finish, Add	*714.77*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,606.67	103.50
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*139.97*	
		For Clear Lacquer Finish, Add	*279.93*	
		For Baked Enamel Standard Colors, Add	*419.90*	
		For Anodized Finish, Add	*559.86*	
		For Kynar® Standard Colors Finish, Add	*769.81*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,764.82	112.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*153.90*	
		For Clear Lacquer Finish, Add	*307.80*	
		For Baked Enamel Standard Colors, Add	*461.70*	
		For Anodized Finish, Add	*615.60*	
		For Kynar® Standard Colors Finish, Add	*846.44*	
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,891.37	119.18
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*165.30*	
		For Clear Lacquer Finish, Add	*330.60*	
		For Baked Enamel Standard Colors, Add	*495.90*	
		For Anodized Finish, Add	*661.20*	
		For Kynar® Standard Colors Finish, Add	*909.14*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,083.65	131.73
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*182.02*	
		For Clear Lacquer Finish, Add	*364.04*	
		For Baked Enamel Standard Colors, Add	*546.06*	
		For Anodized Finish, Add	*728.08*	
		For Kynar® Standard Colors Finish, Add	*1,001.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,206.34	141.14
		For Flange Frame, Add	*192.41*	
		For Clear Lacquer Finish, Add	*384.81*	
		For Baked Enamel Standard Colors, Add	*577.22*	
		For Anodized Finish, Add	*769.62*	
		For Kynar® Standard Colors Finish, Add	*1,058.23*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,351.89	147.41
		For Flange Frame, Add	*205.71*	
		For Clear Lacquer Finish, Add	*411.41*	
		For Baked Enamel Standard Colors, Add	*617.12*	
		For Anodized Finish, Add	*822.82*	
		For Kynar® Standard Colors Finish, Add	*1,131.38*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,496.17	153.69
		For Flange Frame, Add	*218.88*	
		For Clear Lacquer Finish, Add	*437.76*	
		For Baked Enamel Standard Colors, Add	*656.64*	
		For Anodized Finish, Add	*875.52*	
		For Kynar® Standard Colors Finish, Add	*1,203.83*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,616.32	163.10
		For Flange Frame, Add	*229.01*	
		For Clear Lacquer Finish, Add	*458.02*	
		For Baked Enamel Standard Colors, Add	*687.04*	
		For Anodized Finish, Add	*916.05*	
		For Kynar® Standard Colors Finish, Add	*1,259.57*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,807.41	172.51
		For Flange Frame, Add	*246.24*	
		For Clear Lacquer Finish, Add	*492.48*	
		For Baked Enamel Standard Colors, Add	*738.72*	
		For Anodized Finish, Add	*984.96*	
		For Kynar® Standard Colors Finish, Add	*1,354.31*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	732.37	53.32
		For Flange Frame, Add	*62.57*	
		For Clear Lacquer Finish, Add	*125.15*	
		For Baked Enamel Standard Colors, Add	*187.72*	
		For Anodized Finish, Add	*250.29*	
		For Kynar® Standard Colors Finish, Add	*344.15*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	961.33	69.01
		For Flange Frame, Add	*82.33*	
		For Clear Lacquer Finish, Add	*164.67*	
		For Baked Enamel Standard Colors, Add	*247.00*	
		For Anodized Finish, Add	*329.33*	
		For Kynar® Standard Colors Finish, Add	*452.83*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,111.88	78.42
		For Flange Frame, Add	*95.51*	
		For Clear Lacquer Finish, Add	*191.01*	
		For Baked Enamel Standard Colors, Add	*286.52*	
		For Anodized Finish, Add	*382.02*	
		For Kynar® Standard Colors Finish, Add	*525.28*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,291.57	87.82
		For Flange Frame, Add	*111.59*	
		For Clear Lacquer Finish, Add	*223.19*	
		For Baked Enamel Standard Colors, Add	*334.78*	
		For Anodized Finish, Add	*446.37*	
		For Kynar® Standard Colors Finish, Add	*613.76*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,494.08	95.35
		For Flange Frame, Add	*130.34*	
		For Clear Lacquer Finish, Add	*260.68*	
		For Baked Enamel Standard Colors, Add	*391.02*	
		For Anodized Finish, Add	*521.36*	
		For Kynar® Standard Colors Finish, Add	*716.86*	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,651.00	103.50
		For Flange Frame, Add	*144.40*	
		For Clear Lacquer Finish, Add	*288.80*	
		For Baked Enamel Standard Colors, Add	*433.20*	
		For Anodized Finish, Add	*577.60*	
		For Kynar® Standard Colors Finish, Add	*794.19*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,786.42	109.77
		For Flange Frame, Add	*156.69*	
		For Clear Lacquer Finish, Add	*313.37*	
		For Baked Enamel Standard Colors, Add	*470.06*	
		For Anodized Finish, Add	*626.74*	
		For Kynar® Standard Colors Finish, Add	*861.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,967.37	119.18
		For Flange Frame, Add	*172.90*	
		For Clear Lacquer Finish, Add	*345.80*	
		For Baked Enamel Standard Colors, Add	*518.70*	
		For Anodized Finish, Add	*691.60*	
		For Kynar® Standard Colors Finish, Add	*950.94*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,103.98	128.59
		For Flange Frame, Add	*184.68*	
		For Clear Lacquer Finish, Add	*369.36*	
		For Baked Enamel Standard Colors, Add	*554.04*	
		For Anodized Finish, Add	*738.72*	
		For Kynar® Standard Colors Finish, Add	*1,015.73*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,321.67	138.00
		For Flange Frame, Add	*204.57*	
		For Clear Lacquer Finish, Add	*409.13*	
		For Baked Enamel Standard Colors, Add	*613.70*	
		For Anodized Finish, Add	*818.26*	
		For Kynar® Standard Colors Finish, Add	*1,125.11*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,464.62	147.41
		For Flange Frame, Add	*216.98*	
		For Clear Lacquer Finish, Add	*433.96*	
		For Baked Enamel Standard Colors, Add	*650.94*	
		For Anodized Finish, Add	*867.92*	
		For Kynar® Standard Colors Finish, Add	*1,193.38*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,620.30	153.69
		For Flange Frame, Add	*231.29*	
		For Clear Lacquer Finish, Add	*462.58*	
		For Baked Enamel Standard Colors, Add	*693.88*	
		For Anodized Finish, Add	*925.17*	
		For Kynar® Standard Colors Finish, Add	*1,272.11*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,782.31	159.96
		For Flange Frame, Add	*246.24*	
		For Clear Lacquer Finish, Add	*492.48*	
		For Baked Enamel Standard Colors, Add	*738.72*	
		For Anodized Finish, Add	*984.96*	
		For Kynar® Standard Colors Finish, Add	*1,354.31*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,920.19	169.37
		For Flange Frame, Add	*258.15*	
		For Clear Lacquer Finish, Add	*516.29*	
		For Baked Enamel Standard Colors, Add	*774.44*	
		For Anodized Finish, Add	*1,032.58*	
		For Kynar® Standard Colors Finish, Add	*1,419.80*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,136.61	178.78
		For Flange Frame, Add	*277.91*	
		For Clear Lacquer Finish, Add	*555.81*	
		For Baked Enamel Standard Colors, Add	*833.72*	
		For Anodized Finish, Add	*1,111.62*	
		For Kynar® Standard Colors Finish, Add	*1,528.48*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	852.58	59.60
		For Flange Frame, Add	*73.34*	
		For Clear Lacquer Finish, Add	*146.68*	
		For Baked Enamel Standard Colors, Add	*220.02*	
		For Anodized Finish, Add	*293.36*	
		For Kynar® Standard Colors Finish, Add	*403.37*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,044.81	75.28
		For Flange Frame, Add	*89.43*	
		For Clear Lacquer Finish, Add	*178.85*	
		For Baked Enamel Standard Colors, Add	*268.28*	
		For Anodized Finish, Add	*357.70*	
		For Kynar® Standard Colors Finish, Add	*491.84*	
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,211.83	84.68
		For Flange Frame, Add	*104.25*	
		For Clear Lacquer Finish, Add	*208.49*	
		For Baked Enamel Standard Colors, Add	*312.74*	
		For Anodized Finish, Add	*416.98*	
		For Kynar® Standard Colors Finish, Add	*573.35*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,418.05	97.23
		For Flange Frame, Add	*122.36*	
		For Clear Lacquer Finish, Add	*244.72*	
		For Baked Enamel Standard Colors, Add	*367.08*	
		For Anodized Finish, Add	*489.44*	
		For Kynar® Standard Colors Finish, Add	*672.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,638.34	103.50
		For Flange Frame, Add	*143.13*	
		For Clear Lacquer Finish, Add	*286.27*	
		For Baked Enamel Standard Colors, Add	*429.40*	
		For Anodized Finish, Add	*572.53*	
		For Kynar® Standard Colors Finish, Add	*787.23*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,814.28	109.77
		For Flange Frame, Add	*159.47*	
		For Clear Lacquer Finish, Add	*318.94*	
		For Baked Enamel Standard Colors, Add	*478.42*	
		For Anodized Finish, Add	*637.89*	
		For Kynar® Standard Colors Finish, Add	*877.10*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,966.17	116.05
		For Flange Frame, Add	*173.41*	
		For Clear Lacquer Finish, Add	*346.81*	
		For Baked Enamel Standard Colors, Add	*520.22*	
		For Anodized Finish, Add	*693.62*	
		For Kynar® Standard Colors Finish, Add	*953.73*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,147.11	125.46
		For Flange Frame, Add	*189.62*	
		For Clear Lacquer Finish, Add	*379.24*	
		For Baked Enamel Standard Colors, Add	*568.86*	
		For Anodized Finish, Add	*758.48*	
		For Kynar® Standard Colors Finish, Add	*1,042.90*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,301.46	134.87
		For Flange Frame, Add	*203.17*	
		For Clear Lacquer Finish, Add	*406.34*	
		For Baked Enamel Standard Colors, Add	*609.52*	
		For Anodized Finish, Add	*812.69*	
		For Kynar® Standard Colors Finish, Add	*1,117.45*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,543.21	144.28
		For Flange Frame, Add	*225.47*	
		For Clear Lacquer Finish, Add	*450.93*	
		For Baked Enamel Standard Colors, Add	*676.40*	
		For Anodized Finish, Add	*901.86*	
		For Kynar® Standard Colors Finish, Add	*1,240.06*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,697.57	153.69
		For Flange Frame, Add	*239.02*	
		For Clear Lacquer Finish, Add	*478.04*	
		For Baked Enamel Standard Colors, Add	*717.06*	
		For Anodized Finish, Add	*956.08*	
		For Kynar® Standard Colors Finish, Add	*1,314.60*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,873.51	159.96
		For Flange Frame, Add	*255.36*	
		For Clear Lacquer Finish, Add	*510.72*	
		For Baked Enamel Standard Colors, Add	*766.08*	
		For Anodized Finish, Add	*1,021.44*	
		For Kynar® Standard Colors Finish, Add	*1,404.47*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,050.72	166.23
		For Flange Frame, Add	*271.83*	
		For Clear Lacquer Finish, Add	*543.65*	
		For Baked Enamel Standard Colors, Add	*815.48*	
		For Anodized Finish, Add	*1,087.30*	
		For Kynar® Standard Colors Finish, Add	*1,495.04*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,213.94	175.64
		For Flange Frame, Add	*286.27*	
		For Clear Lacquer Finish, Add	*572.53*	
		For Baked Enamel Standard Colors, Add	*858.80*	
		For Anodized Finish, Add	*1,145.06*	
		For Kynar® Standard Colors Finish, Add	*1,574.46*	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,446.83	185.05
		For Flange Frame, Add	*307.67*	
		For Clear Lacquer Finish, Add	*615.34*	
		For Baked Enamel Standard Colors, Add	*923.02*	
		For Anodized Finish, Add	*1,230.69*	
		For Kynar® Standard Colors Finish, Add	*1,692.20*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	932.26	65.87
		For Flange Frame, Add	*80.05*	
		For Clear Lacquer Finish, Add	*160.11*	
		For Baked Enamel Standard Colors, Add	*240.16*	
		For Anodized Finish, Add	*320.21*	
		For Kynar® Standard Colors Finish, Add	*440.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,142.23	81.54
		For Flange Frame, Add	*97.91*	
		For Clear Lacquer Finish, Add	*195.83*	
		For Baked Enamel Standard Colors, Add	*293.74*	
		For Anodized Finish, Add	*391.65*	
		For Kynar® Standard Colors Finish, Add	*538.52*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,338.32	94.09
		For Flange Frame, Add	*115.01*	
		For Clear Lacquer Finish, Add	*230.03*	
		For Baked Enamel Standard Colors, Add	*345.04*	
		For Anodized Finish, Add	*460.05*	
		For Kynar® Standard Colors Finish, Add	*632.57*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,542.07	103.50
		For Flange Frame, Add	*133.51*	
		For Clear Lacquer Finish, Add	*267.01*	
		For Baked Enamel Standard Colors, Add	*400.52*	
		For Anodized Finish, Add	*534.02*	
		For Kynar® Standard Colors Finish, Add	*734.28*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,794.02	109.77
		For Flange Frame, Add	*157.45*	
		For Clear Lacquer Finish, Add	*314.89*	
		For Baked Enamel Standard Colors, Add	*472.34*	
		For Anodized Finish, Add	*629.78*	
		For Kynar® Standard Colors Finish, Add	*865.95*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,997.83	116.05
		For Flange Frame, Add	*176.57*	
		For Clear Lacquer Finish, Add	*353.14*	
		For Baked Enamel Standard Colors, Add	*529.72*	
		For Anodized Finish, Add	*706.29*	
		For Kynar® Standard Colors Finish, Add	*971.15*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,164.84	125.46
		For Flange Frame, Add	*191.39*	
		For Clear Lacquer Finish, Add	*382.78*	
		For Baked Enamel Standard Colors, Add	*574.18*	
		For Anodized Finish, Add	*765.57*	
		For Kynar® Standard Colors Finish, Add	*1,052.66*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,429.40	134.87
		For Flange Frame, Add	*215.97*	
		For Clear Lacquer Finish, Add	*431.93*	
		For Baked Enamel Standard Colors, Add	*647.90*	
		For Anodized Finish, Add	*863.86*	
		For Kynar® Standard Colors Finish, Add	*1,187.81*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,543.21	144.28
		For Flange Frame, Add	*225.47*	
		For Clear Lacquer Finish, Add	*450.93*	
		For Baked Enamel Standard Colors, Add	*676.40*	
		For Anodized Finish, Add	*901.86*	
		For Kynar® Standard Colors Finish, Add	*1,240.06*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,801.43	153.69
		For Flange Frame, Add	*249.41*	
		For Clear Lacquer Finish, Add	*498.81*	
		For Baked Enamel Standard Colors, Add	*748.22*	
		For Anodized Finish, Add	*997.62*	
		For Kynar® Standard Colors Finish, Add	*1,371.73*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,979.85	163.10
		For Flange Frame, Add	*265.37*	
		For Clear Lacquer Finish, Add	*530.73*	
		For Baked Enamel Standard Colors, Add	*796.10*	
		For Anodized Finish, Add	*1,061.46*	
		For Kynar® Standard Colors Finish, Add	*1,459.51*	
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,176.06	169.37
		For Flange Frame, Add	*283.73*	
		For Clear Lacquer Finish, Add	*567.46*	
		For Baked Enamel Standard Colors, Add	*851.20*	
		For Anodized Finish, Add	*1,134.93*	
		For Kynar® Standard Colors Finish, Add	*1,560.53*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,372.27	175.64
		For Flange Frame, Add	*302.10*	
		For Clear Lacquer Finish, Add	*604.20*	
		For Baked Enamel Standard Colors, Add	*906.29*	
		For Anodized Finish, Add	*1,208.39*	
		For Kynar® Standard Colors Finish, Add	*1,661.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,535.56	181.92
		For Flange Frame, Add	*317.17*	
		For Clear Lacquer Finish, Add	*634.34*	
		For Baked Enamel Standard Colors, Add	*951.52*	
		For Anodized Finish, Add	*1,268.69*	
		For Kynar® Standard Colors Finish, Add	*1,744.45*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,803.91	191.33
		For Flange Frame, Add	*342.13*	
		For Clear Lacquer Finish, Add	*684.25*	
		For Baked Enamel Standard Colors, Add	*1,026.38*	
		For Anodized Finish, Add	*1,368.50*	
		For Kynar® Standard Colors Finish, Add	*1,881.69*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,032.15	75.28
		For Flange Frame, Add	*88.16*	
		For Clear Lacquer Finish, Add	*176.32*	
		For Baked Enamel Standard Colors, Add	*264.48*	
		For Anodized Finish, Add	*352.64*	
		For Kynar® Standard Colors Finish, Add	*484.88*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,267.45	90.95
		For Flange Frame, Add	*108.55*	
		For Clear Lacquer Finish, Add	*217.11*	
		For Baked Enamel Standard Colors, Add	*325.66*	
		For Anodized Finish, Add	*434.21*	
		For Kynar® Standard Colors Finish, Add	*597.04*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,483.74	106.64
		For Flange Frame, Add	*127.05*	
		For Clear Lacquer Finish, Add	*254.09*	
		For Baked Enamel Standard Colors, Add	*381.14*	
		For Anodized Finish, Add	*508.18*	
		For Kynar® Standard Colors Finish, Add	*698.75*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,702.76	112.91
		For Flange Frame, Add	*147.69*	
		For Clear Lacquer Finish, Add	*295.39*	
		For Baked Enamel Standard Colors, Add	*443.08*	
		For Anodized Finish, Add	*590.77*	
		For Kynar® Standard Colors Finish, Add	*812.31*	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,004.10	119.18
		For Flange Frame, Add	*176.57*	
		For Clear Lacquer Finish, Add	*353.14*	
		For Baked Enamel Standard Colors, Add	*529.72*	
		For Anodized Finish, Add	*706.29*	
		For Kynar® Standard Colors Finish, Add	*971.15*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,212.98	125.46
		For Flange Frame, Add	*196.21*	
		For Clear Lacquer Finish, Add	*392.41*	
		For Baked Enamel Standard Colors, Add	*588.62*	
		For Anodized Finish, Add	*784.82*	
		For Kynar® Standard Colors Finish, Add	*1,079.13*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,409.13	134.87
		For Flange Frame, Add	*213.94*	
		For Clear Lacquer Finish, Add	*427.88*	
		For Baked Enamel Standard Colors, Add	*641.82*	
		For Anodized Finish, Add	*855.76*	
		For Kynar® Standard Colors Finish, Add	*1,176.66*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,697.75	144.28
		For Flange Frame, Add	*240.92*	
		For Clear Lacquer Finish, Add	*481.84*	
		For Baked Enamel Standard Colors, Add	*722.76*	
		For Anodized Finish, Add	*963.68*	
		For Kynar® Standard Colors Finish, Add	*1,325.05*	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,900.23	153.69
		For Flange Frame, Add	*259.29*	
		For Clear Lacquer Finish, Add	*518.57*	
		For Baked Enamel Standard Colors, Add	*777.86*	
		For Anodized Finish, Add	*1,037.14*	
		For Kynar® Standard Colors Finish, Add	*1,426.07*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,202.78	163.10
		For Flange Frame, Add	*287.66*	
		For Clear Lacquer Finish, Add	*575.32*	
		For Baked Enamel Standard Colors, Add	*862.97*	
		For Anodized Finish, Add	*1,150.63*	
		For Kynar® Standard Colors Finish, Add	*1,582.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,397.72	169.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*305.90*	
		For Clear Lacquer Finish, Add	*611.80*	
		For Baked Enamel Standard Colors, Add	*917.69*	
		For Anodized Finish, Add	*1,223.59*	
		For Kynar® Standard Colors Finish, Add	*1,682.44*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,620.54	175.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*326.93*	
		For Clear Lacquer Finish, Add	*653.85*	
		For Baked Enamel Standard Colors, Add	*980.78*	
		For Anodized Finish, Add	*1,307.70*	
		For Kynar® Standard Colors Finish, Add	*1,798.09*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,834.49	181.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*347.07*	
		For Clear Lacquer Finish, Add	*694.13*	
		For Baked Enamel Standard Colors, Add	*1,041.20*	
		For Anodized Finish, Add	*1,388.26*	
		For Kynar® Standard Colors Finish, Add	*1,908.86*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,011.69	188.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*363.53*	
		For Clear Lacquer Finish, Add	*727.06*	
		For Baked Enamel Standard Colors, Add	*1,090.59*	
		For Anodized Finish, Add	*1,454.12*	
		For Kynar® Standard Colors Finish, Add	*1,999.42*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,324.38	197.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*392.92*	
		For Clear Lacquer Finish, Add	*785.84*	
		For Baked Enamel Standard Colors, Add	*1,178.75*	
		For Anodized Finish, Add	*1,571.67*	
		For Kynar® Standard Colors Finish, Add	*2,161.05*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,109.30	81.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*94.62*	
		For Clear Lacquer Finish, Add	*189.24*	
		For Baked Enamel Standard Colors, Add	*283.86*	
		For Anodized Finish, Add	*378.48*	
		For Kynar® Standard Colors Finish, Add	*520.41*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,368.60	100.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*116.79*	
		For Clear Lacquer Finish, Add	*233.57*	
		For Baked Enamel Standard Colors, Add	*350.36*	
		For Anodized Finish, Add	*467.14*	
		For Kynar® Standard Colors Finish, Add	*642.32*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,591.29	112.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,844.50	119.18
		Note: Includes bird screen.		
		For Flange Frame, Add	*160.61*	
		For Clear Lacquer Finish, Add	*321.22*	
		For Baked Enamel Standard Colors, Add	*481.84*	
		For Anodized Finish, Add	*642.45*	
		For Kynar® Standard Colors Finish, Add	*883.37*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,158.45	128.59
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.13*	
		For Clear Lacquer Finish, Add	*380.25*	
		For Baked Enamel Standard Colors, Add	*570.38*	
		For Anodized Finish, Add	*760.50*	
		For Kynar® Standard Colors Finish, Add	*1,045.69*	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,392.66	134.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*212.29*	
		For Clear Lacquer Finish, Add	*424.58*	
		For Baked Enamel Standard Colors, Add	*636.88*	
		For Anodized Finish, Add	*849.17*	
		For Kynar® Standard Colors Finish, Add	*1,167.61*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,597.68	144.28
		Note: Includes bird screen.		
		For Flange Frame, Add	*230.91*	
		For Clear Lacquer Finish, Add	*461.82*	
		For Baked Enamel Standard Colors, Add	*692.74*	
		For Anodized Finish, Add	*923.65*	
		For Kynar® Standard Colors Finish, Add	*1,270.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,906.57	153.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*259.92*	
		For Clear Lacquer Finish, Add	*519.84*	
		For Baked Enamel Standard Colors, Add	*779.76*	
		For Anodized Finish, Add	*1,039.68*	
		For Kynar® Standard Colors Finish, Add	*1,429.55*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,124.25	163.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*279.81*	
		For Clear Lacquer Finish, Add	*559.61*	
		For Baked Enamel Standard Colors, Add	*839.42*	
		For Anodized Finish, Add	*1,119.22*	
		For Kynar® Standard Colors Finish, Add	*1,538.93*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,452.14	172.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*310.71*	
		For Clear Lacquer Finish, Add	*621.42*	
		For Baked Enamel Standard Colors, Add	*932.14*	
		For Anodized Finish, Add	*1,242.85*	
		For Kynar® Standard Colors Finish, Add	*1,708.92*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,659.74	178.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*330.22*	
		For Clear Lacquer Finish, Add	*660.44*	
		For Baked Enamel Standard Colors, Add	*990.65*	
		For Anodized Finish, Add	*1,320.87*	
		For Kynar® Standard Colors Finish, Add	*1,816.20*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,896.49	185.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*352.64*	
		For Clear Lacquer Finish, Add	*705.28*	
		For Baked Enamel Standard Colors, Add	*1,057.91*	
		For Anodized Finish, Add	*1,410.55*	
		For Kynar® Standard Colors Finish, Add	*1,939.51*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,128.17	191.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*374.55*	
		For Clear Lacquer Finish, Add	*749.10*	
		For Baked Enamel Standard Colors, Add	*1,123.65*	
		For Anodized Finish, Add	*1,498.20*	
		For Kynar® Standard Colors Finish, Add	*2,060.03*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,324.38	197.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*392.92*	
		For Clear Lacquer Finish, Add	*785.84*	
		For Baked Enamel Standard Colors, Add	*1,178.75*	
		For Anodized Finish, Add	*1,571.67*	
		For Kynar® Standard Colors Finish, Add	*2,161.05*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,652.32	203.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*424.46*	
		For Clear Lacquer Finish, Add	*848.92*	
		For Baked Enamel Standard Colors, Add	*1,273.37*	
		For Anodized Finish, Add	*1,697.83*	
		For Kynar® Standard Colors Finish, Add	*2,334.52*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,280.17	87.82
		Note: Includes bird screen.		
		For Flange Frame, Add	*110.45*	
		For Clear Lacquer Finish, Add	*220.91*	
		For Baked Enamel Standard Colors, Add	*331.36*	
		For Anodized Finish, Add	*441.81*	
		For Kynar® Standard Colors Finish, Add	*607.49*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,583.81	106.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.05*	
		For Clear Lacquer Finish, Add	*274.11*	
		For Baked Enamel Standard Colors, Add	*411.16*	
		For Anodized Finish, Add	*548.21*	
		For Kynar® Standard Colors Finish, Add	*753.79*	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,845.64	125.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*159.47*	
		For Clear Lacquer Finish, Add	*318.94*	
		For Baked Enamel Standard Colors, Add	*478.42*	
		For Anodized Finish, Add	*637.89*	
		For Kynar® Standard Colors Finish, Add	*877.10*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,121.65	131.73
		Note: Includes bird screen.		
		For Flange Frame, Add	*185.82*	
		For Clear Lacquer Finish, Add	*371.64*	
		For Baked Enamel Standard Colors, Add	*557.46*	
		For Anodized Finish, Add	*743.28*	
		For Kynar® Standard Colors Finish, Add	*1,022.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,488.87	138.00
		For Flange Frame, Add	*221.29*	
		For Clear Lacquer Finish, Add	*442.57*	
		For Baked Enamel Standard Colors, Add	*663.86*	
		For Anodized Finish, Add	*885.14*	
		For Kynar® Standard Colors Finish, Add	*1,217.07*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,744.61	144.28
		For Flange Frame, Add	*245.61*	
		For Clear Lacquer Finish, Add	*491.21*	
		For Baked Enamel Standard Colors, Add	*736.82*	
		For Anodized Finish, Add	*982.42*	
		For Kynar® Standard Colors Finish, Add	*1,350.83*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,990.17	153.69
		For Flange Frame, Add	*268.28*	
		For Clear Lacquer Finish, Add	*536.56*	
		For Baked Enamel Standard Colors, Add	*804.84*	
		For Anodized Finish, Add	*1,073.12*	
		For Kynar® Standard Colors Finish, Add	*1,475.53*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,278.78	163.10
		For Flange Frame, Add	*295.26*	
		For Clear Lacquer Finish, Add	*590.52*	
		For Baked Enamel Standard Colors, Add	*885.77*	
		For Anodized Finish, Add	*1,181.03*	
		For Kynar® Standard Colors Finish, Add	*1,623.92*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,523.07	172.51
		For Flange Frame, Add	*317.81*	
		For Clear Lacquer Finish, Add	*635.61*	
		For Baked Enamel Standard Colors, Add	*953.42*	
		For Anodized Finish, Add	*1,271.22*	
		For Kynar® Standard Colors Finish, Add	*1,747.93*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,899.02	185.05
		For Flange Frame, Add	*352.89*	
		For Clear Lacquer Finish, Add	*705.78*	
		For Baked Enamel Standard Colors, Add	*1,058.67*	
		For Anodized Finish, Add	*1,411.56*	
		For Kynar® Standard Colors Finish, Add	*1,940.90*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,134.44	194.46
		For Flange Frame, Add	*374.55*	
		For Clear Lacquer Finish, Add	*749.10*	
		For Baked Enamel Standard Colors, Add	*1,123.65*	
		For Anodized Finish, Add	*1,498.20*	
		For Kynar® Standard Colors Finish, Add	*2,060.03*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,385.12	200.74
		For Flange Frame, Add	*398.37*	
		For Clear Lacquer Finish, Add	*796.73*	
		For Baked Enamel Standard Colors, Add	*1,195.10*	
		For Anodized Finish, Add	*1,593.46*	
		For Kynar® Standard Colors Finish, Add	*2,191.01*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,640.85	207.01
		For Flange Frame, Add	*422.68*	
		For Clear Lacquer Finish, Add	*845.37*	
		For Baked Enamel Standard Colors, Add	*1,268.05*	
		For Anodized Finish, Add	*1,690.74*	
		For Kynar® Standard Colors Finish, Add	*2,324.76*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,862.40	213.28
		For Flange Frame, Add	*443.58*	
		For Clear Lacquer Finish, Add	*887.17*	
		For Baked Enamel Standard Colors, Add	*1,330.75*	
		For Anodized Finish, Add	*1,774.34*	
		For Kynar® Standard Colors Finish, Add	*2,439.71*	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,228.35	219.56
		For Flange Frame, Add	*478.92*	
		For Clear Lacquer Finish, Add	*957.85*	
		For Baked Enamel Standard Colors, Add	*1,436.77*	
		For Anodized Finish, Add	*1,915.70*	
		For Kynar® Standard Colors Finish, Add	*2,634.08*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,350.98	94.09
		For Flange Frame, Add	*116.28*	
		For Clear Lacquer Finish, Add	*232.56*	
		For Baked Enamel Standard Colors, Add	*348.84*	
		For Anodized Finish, Add	*465.12*	
		For Kynar® Standard Colors Finish, Add	*639.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,669.82	112.91
		For Flange Frame, Add	*144.40*	
		For Clear Lacquer Finish, Add	*288.80*	
		For Baked Enamel Standard Colors, Add	*433.20*	
		For Anodized Finish, Add	*577.60*	
		For Kynar® Standard Colors Finish, Add	*794.19*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,945.58	131.73
		For Flange Frame, Add	*168.21*	
		For Clear Lacquer Finish, Add	*336.42*	
		For Baked Enamel Standard Colors, Add	*504.64*	
		For Anodized Finish, Add	*672.85*	
		For Kynar® Standard Colors Finish, Add	*925.17*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,244.34	141.14
		For Flange Frame, Add	*196.21*	
		For Clear Lacquer Finish, Add	*392.41*	
		For Baked Enamel Standard Colors, Add	*588.62*	
		For Anodized Finish, Add	*784.82*	
		For Kynar® Standard Colors Finish, Add	*1,079.13*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,638.15	147.41
		For Flange Frame, Add	*234.33*	
		For Clear Lacquer Finish, Add	*468.66*	
		For Baked Enamel Standard Colors, Add	*703.00*	
		For Anodized Finish, Add	*937.33*	
		For Kynar® Standard Colors Finish, Add	*1,288.83*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,907.83	153.69
		For Flange Frame, Add	*260.05*	
		For Clear Lacquer Finish, Add	*520.09*	
		For Baked Enamel Standard Colors, Add	*780.14*	
		For Anodized Finish, Add	*1,040.18*	
		For Kynar® Standard Colors Finish, Add	*1,430.25*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,169.85	163.10
		For Flange Frame, Add	*284.37*	
		For Clear Lacquer Finish, Add	*568.73*	
		For Baked Enamel Standard Colors, Add	*853.10*	
		For Anodized Finish, Add	*1,137.46*	
		For Kynar® Standard Colors Finish, Add	*1,564.01*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,468.66	169.37
		For Flange Frame, Add	*312.99*	
		For Clear Lacquer Finish, Add	*625.98*	
		For Baked Enamel Standard Colors, Add	*938.98*	
		For Anodized Finish, Add	*1,251.97*	
		For Kynar® Standard Colors Finish, Add	*1,721.46*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,724.34	178.78
		For Flange Frame, Add	*336.68*	
		For Clear Lacquer Finish, Add	*673.36*	
		For Baked Enamel Standard Colors, Add	*1,010.03*	
		For Anodized Finish, Add	*1,346.71*	
		For Kynar® Standard Colors Finish, Add	*1,851.73*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,134.44	194.46
		For Flange Frame, Add	*374.55*	
		For Clear Lacquer Finish, Add	*749.10*	
		For Baked Enamel Standard Colors, Add	*1,123.65*	
		For Anodized Finish, Add	*1,498.20*	
		For Kynar® Standard Colors Finish, Add	*2,060.03*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,393.92	203.87
		For Flange Frame, Add	*398.62*	
		For Clear Lacquer Finish, Add	*797.24*	
		For Baked Enamel Standard Colors, Add	*1,195.85*	
		For Anodized Finish, Add	*1,594.47*	
		For Kynar® Standard Colors Finish, Add	*2,192.40*	
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,652.20	210.15
		For Flange Frame, Add	*423.19*	
		For Clear Lacquer Finish, Add	*846.38*	
		For Baked Enamel Standard Colors, Add	*1,269.57*	
		For Anodized Finish, Add	*1,692.76*	
		For Kynar® Standard Colors Finish, Add	*2,327.55*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,914.27	216.42
		For Flange Frame, Add	*448.14*	
		For Clear Lacquer Finish, Add	*896.29*	
		For Baked Enamel Standard Colors, Add	*1,344.43*	
		For Anodized Finish, Add	*1,792.58*	
		For Kynar® Standard Colors Finish, Add	*2,464.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,159.89	222.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*471.45*	
		For Clear Lacquer Finish, Add	*942.90*	
		For Baked Enamel Standard Colors, Add	*1,414.35*	
		For Anodized Finish, Add	*1,885.80*	
		For Kynar® Standard Colors Finish, Add	*2,592.98*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,549.90	228.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*509.20*	
		For Clear Lacquer Finish, Add	*1,018.39*	
		For Baked Enamel Standard Colors, Add	*1,527.59*	
		For Anodized Finish, Add	*2,036.79*	
		For Kynar® Standard Colors Finish, Add	*2,800.58*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,437.00	100.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*123.63*	
		For Clear Lacquer Finish, Add	*247.25*	
		For Baked Enamel Standard Colors, Add	*370.88*	
		For Anodized Finish, Add	*494.50*	
		For Kynar® Standard Colors Finish, Add	*679.94*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,764.71	119.18
		Note: Includes bird screen.		
		For Flange Frame, Add	*152.63*	
		For Clear Lacquer Finish, Add	*305.27*	
		For Baked Enamel Standard Colors, Add	*457.90*	
		For Anodized Finish, Add	*610.53*	
		For Kynar® Standard Colors Finish, Add	*839.48*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,046.80	138.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.08*	
		For Clear Lacquer Finish, Add	*354.16*	
		For Baked Enamel Standard Colors, Add	*531.24*	
		For Anodized Finish, Add	*708.32*	
		For Kynar® Standard Colors Finish, Add	*973.93*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,365.82	147.41
		Note: Includes bird screen.		
		For Flange Frame, Add	*207.10*	
		For Clear Lacquer Finish, Add	*414.20*	
		For Baked Enamel Standard Colors, Add	*621.30*	
		For Anodized Finish, Add	*828.40*	
		For Kynar® Standard Colors Finish, Add	*1,139.04*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,782.43	153.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*247.51*	
		For Clear Lacquer Finish, Add	*495.01*	
		For Baked Enamel Standard Colors, Add	*742.52*	
		For Anodized Finish, Add	*990.02*	
		For Kynar® Standard Colors Finish, Add	*1,361.28*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,063.51	159.96
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.36*	
		For Clear Lacquer Finish, Add	*548.72*	
		For Baked Enamel Standard Colors, Add	*823.08*	
		For Anodized Finish, Add	*1,097.44*	
		For Kynar® Standard Colors Finish, Add	*1,508.97*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,344.52	169.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*300.58*	
		For Clear Lacquer Finish, Add	*601.16*	
		For Baked Enamel Standard Colors, Add	*901.73*	
		For Anodized Finish, Add	*1,202.31*	
		For Kynar® Standard Colors Finish, Add	*1,653.18*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,661.07	175.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*330.98*	
		For Clear Lacquer Finish, Add	*661.96*	
		For Baked Enamel Standard Colors, Add	*992.93*	
		For Anodized Finish, Add	*1,323.91*	
		For Kynar® Standard Colors Finish, Add	*1,820.38*	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,935.76	185.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*356.57*	
		For Clear Lacquer Finish, Add	*713.13*	
		For Baked Enamel Standard Colors, Add	*1,069.70*	
		For Anodized Finish, Add	*1,426.26*	
		For Kynar® Standard Colors Finish, Add	*1,961.11*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,372.45	200.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*397.10*	
		For Clear Lacquer Finish, Add	*794.20*	
		For Baked Enamel Standard Colors, Add	*1,191.29*	
		For Anodized Finish, Add	*1,588.39*	
		For Kynar® Standard Colors Finish, Add	*2,184.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,644.60	210.15
		For Flange Frame, Add	*422.43*	
		For Clear Lacquer Finish, Add	*844.86*	
		For Baked Enamel Standard Colors, Add	*1,267.29*	
		For Anodized Finish, Add	*1,689.72*	
		For Kynar® Standard Colors Finish, Add	*2,323.37*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	4,929.42	219.56
		For Flange Frame, Add	*449.03*	
		For Clear Lacquer Finish, Add	*898.06*	
		For Baked Enamel Standard Colors, Add	*1,347.09*	
		For Anodized Finish, Add	*1,796.12*	
		For Kynar® Standard Colors Finish, Add	*2,469.67*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,191.49	225.83
		For Flange Frame, Add	*473.98*	
		For Clear Lacquer Finish, Add	*947.97*	
		For Baked Enamel Standard Colors, Add	*1,421.95*	
		For Anodized Finish, Add	*1,895.94*	
		For Kynar® Standard Colors Finish, Add	*2,606.91*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,453.57	232.11
		For Flange Frame, Add	*498.94*	
		For Clear Lacquer Finish, Add	*997.87*	
		For Baked Enamel Standard Colors, Add	*1,496.81*	
		For Anodized Finish, Add	*1,995.75*	
		For Kynar® Standard Colors Finish, Add	*2,744.15*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	5,868.92	238.38
		For Flange Frame, Add	*539.22*	
		For Clear Lacquer Finish, Add	*1,078.43*	
		For Baked Enamel Standard Colors, Add	*1,617.65*	
		For Anodized Finish, Add	*2,156.87*	
		For Kynar® Standard Colors Finish, Add	*2,965.69*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,506.54	106.64
		For Flange Frame, Add	*129.33*	
		For Clear Lacquer Finish, Add	*258.65*	
		For Baked Enamel Standard Colors, Add	*387.98*	
		For Anodized Finish, Add	*517.30*	
		For Kynar® Standard Colors Finish, Add	*711.29*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	1,848.18	125.46
		For Flange Frame, Add	*159.73*	
		For Clear Lacquer Finish, Add	*319.45*	
		For Baked Enamel Standard Colors, Add	*479.18*	
		For Anodized Finish, Add	*638.90*	
		For Kynar® Standard Colors Finish, Add	*878.49*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,160.68	144.28
		For Flange Frame, Add	*187.21*	
		For Clear Lacquer Finish, Add	*374.42*	
		For Baked Enamel Standard Colors, Add	*561.64*	
		For Anodized Finish, Add	*748.85*	
		For Kynar® Standard Colors Finish, Add	*1,029.67*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,489.84	153.69
		For Flange Frame, Add	*218.25*	
		For Clear Lacquer Finish, Add	*436.49*	
		For Baked Enamel Standard Colors, Add	*654.74*	
		For Anodized Finish, Add	*872.98*	
		For Kynar® Standard Colors Finish, Add	*1,200.35*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	2,933.04	159.96
		For Flange Frame, Add	*261.31*	
		For Clear Lacquer Finish, Add	*522.62*	
		For Baked Enamel Standard Colors, Add	*783.94*	
		For Anodized Finish, Add	*1,045.25*	
		For Kynar® Standard Colors Finish, Add	*1,437.22*	
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,230.59	166.23
		For Flange Frame, Add	*289.81*	
		For Clear Lacquer Finish, Add	*579.62*	
		For Baked Enamel Standard Colors, Add	*869.44*	
		For Anodized Finish, Add	*1,159.25*	
		For Kynar® Standard Colors Finish, Add	*1,593.97*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	3,517.94	175.64
		For Flange Frame, Add	*316.67*	
		For Clear Lacquer Finish, Add	*633.33*	
		For Baked Enamel Standard Colors, Add	*950.00*	
		For Anodized Finish, Add	*1,266.66*	
		For Kynar® Standard Colors Finish, Add	*1,741.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,859.82	181.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*349.60*	
		For Clear Lacquer Finish, Add	*699.20*	
		For Baked Enamel Standard Colors, Add	*1,048.79*	
		For Anodized Finish, Add	*1,398.39*	
		For Kynar® Standard Colors Finish, Add	*1,922.79*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,148.44	191.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*376.58*	
		For Clear Lacquer Finish, Add	*753.16*	
		For Baked Enamel Standard Colors, Add	*1,129.73*	
		For Anodized Finish, Add	*1,506.31*	
		For Kynar® Standard Colors Finish, Add	*2,071.18*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,611.72	207.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*419.77*	
		For Clear Lacquer Finish, Add	*839.54*	
		For Baked Enamel Standard Colors, Add	*1,259.31*	
		For Anodized Finish, Add	*1,679.08*	
		For Kynar® Standard Colors Finish, Add	*2,308.74*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,894.01	216.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*446.12*	
		For Clear Lacquer Finish, Add	*892.24*	
		For Baked Enamel Standard Colors, Add	*1,338.35*	
		For Anodized Finish, Add	*1,784.47*	
		For Kynar® Standard Colors Finish, Add	*2,453.65*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,204.16	225.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*475.25*	
		For Clear Lacquer Finish, Add	*950.50*	
		For Baked Enamel Standard Colors, Add	*1,425.75*	
		For Anodized Finish, Add	*1,901.00*	
		For Kynar® Standard Colors Finish, Add	*2,613.88*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,537.17	232.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*507.30*	
		For Clear Lacquer Finish, Add	*1,014.59*	
		For Baked Enamel Standard Colors, Add	*1,521.89*	
		For Anodized Finish, Add	*2,029.19*	
		For Kynar® Standard Colors Finish, Add	*2,790.13*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,837.26	238.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*536.05*	
		For Clear Lacquer Finish, Add	*1,072.10*	
		For Baked Enamel Standard Colors, Add	*1,608.15*	
		For Anodized Finish, Add	*2,144.20*	
		For Kynar® Standard Colors Finish, Add	*2,948.28*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,284.26	244.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*579.50*	
		For Clear Lacquer Finish, Add	*1,158.99*	
		For Baked Enamel Standard Colors, Add	*1,738.49*	
		For Anodized Finish, Add	*2,317.99*	
		For Kynar® Standard Colors Finish, Add	*3,187.23*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,597.57	116.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.55*	
		For Clear Lacquer Finish, Add	*273.09*	
		For Baked Enamel Standard Colors, Add	*409.64*	
		For Anodized Finish, Add	*546.18*	
		For Kynar® Standard Colors Finish, Add	*751.00*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,944.26	134.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*167.45*	
		For Clear Lacquer Finish, Add	*334.90*	
		For Baked Enamel Standard Colors, Add	*502.36*	
		For Anodized Finish, Add	*669.81*	
		For Kynar® Standard Colors Finish, Add	*920.99*	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,269.44	153.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*196.21*	
		For Clear Lacquer Finish, Add	*392.41*	
		For Baked Enamel Standard Colors, Add	*588.62*	
		For Anodized Finish, Add	*784.82*	
		For Kynar® Standard Colors Finish, Add	*1,079.13*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,608.72	163.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.25*	
		For Clear Lacquer Finish, Add	*456.50*	
		For Baked Enamel Standard Colors, Add	*684.76*	
		For Anodized Finish, Add	*913.01*	
		For Kynar® Standard Colors Finish, Add	*1,255.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,082.33	169.37
		Note: Includes bird screen.		
		For Flange Frame, Add	*274.36*	
		For Clear Lacquer Finish, Add	*548.72*	
		For Baked Enamel Standard Colors, Add	*823.08*	
		For Anodized Finish, Add	*1,097.44*	
		For Kynar® Standard Colors Finish, Add	*1,508.97*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,390.01	175.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*303.87*	
		For Clear Lacquer Finish, Add	*607.74*	
		For Baked Enamel Standard Colors, Add	*911.62*	
		For Anodized Finish, Add	*1,215.49*	
		For Kynar® Standard Colors Finish, Add	*1,671.30*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,683.76	181.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*331.99*	
		For Clear Lacquer Finish, Add	*663.98*	
		For Baked Enamel Standard Colors, Add	*995.98*	
		For Anodized Finish, Add	*1,327.97*	
		For Kynar® Standard Colors Finish, Add	*1,825.96*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,044.63	188.19
		Note: Includes bird screen.		
		For Flange Frame, Add	*366.83*	
		For Clear Lacquer Finish, Add	*733.65*	
		For Baked Enamel Standard Colors, Add	*1,100.48*	
		For Anodized Finish, Add	*1,467.30*	
		For Kynar® Standard Colors Finish, Add	*2,017.54*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,348.45	197.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*395.33*	
		For Clear Lacquer Finish, Add	*790.65*	
		For Baked Enamel Standard Colors, Add	*1,185.98*	
		For Anodized Finish, Add	*1,581.30*	
		For Kynar® Standard Colors Finish, Add	*2,174.29*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,838.34	213.28
		Note: Includes bird screen.		
		For Flange Frame, Add	*441.18*	
		For Clear Lacquer Finish, Add	*882.36*	
		For Baked Enamel Standard Colors, Add	*1,323.53*	
		For Anodized Finish, Add	*1,764.71*	
		For Kynar® Standard Colors Finish, Add	*2,426.48*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	5,133.29	222.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*468.79*	
		For Clear Lacquer Finish, Add	*937.58*	
		For Baked Enamel Standard Colors, Add	*1,406.37*	
		For Anodized Finish, Add	*1,875.16*	
		For Kynar® Standard Colors Finish, Add	*2,578.35*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,471.31	232.11
		Note: Includes bird screen.		
		For Flange Frame, Add	*500.71*	
		For Clear Lacquer Finish, Add	*1,001.42*	
		For Baked Enamel Standard Colors, Add	*1,502.13*	
		For Anodized Finish, Add	*2,002.84*	
		For Kynar® Standard Colors Finish, Add	*2,753.91*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,824.59	238.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*534.78*	
		For Clear Lacquer Finish, Add	*1,069.57*	
		For Baked Enamel Standard Colors, Add	*1,604.35*	
		For Anodized Finish, Add	*2,139.14*	
		For Kynar® Standard Colors Finish, Add	*2,941.31*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,123.34	247.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*562.78*	
		For Clear Lacquer Finish, Add	*1,125.55*	
		For Baked Enamel Standard Colors, Add	*1,688.33*	
		For Anodized Finish, Add	*2,251.11*	
		For Kynar® Standard Colors Finish, Add	*3,095.27*	
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,596.94	254.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*608.88*	
		For Clear Lacquer Finish, Add	*1,217.77*	
		For Baked Enamel Standard Colors, Add	*1,826.65*	
		For Anodized Finish, Add	*2,435.53*	
		For Kynar® Standard Colors Finish, Add	*3,348.86*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,675.91	125.46
		Note: Includes bird screen.		
		For Flange Frame, Add	*142.50*	
		For Clear Lacquer Finish, Add	*285.00*	
		For Baked Enamel Standard Colors, Add	*427.50*	
		For Anodized Finish, Add	*570.00*	
		For Kynar® Standard Colors Finish, Add	*783.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	2,035.28	144.28
		Note: Includes bird screen.		
		For Flange Frame, Add	*174.67*	
		For Clear Lacquer Finish, Add	*349.34*	
		For Baked Enamel Standard Colors, Add	*524.02*	
		For Anodized Finish, Add	*698.69*	
		For Kynar® Standard Colors Finish, Add	*960.70*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,376.92	163.10
		Note: Includes bird screen.		
		For Flange Frame, Add	*205.07*	
		For Clear Lacquer Finish, Add	*410.14*	
		For Baked Enamel Standard Colors, Add	*615.22*	
		For Anodized Finish, Add	*820.29*	
		For Kynar® Standard Colors Finish, Add	*1,127.90*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,735.21	172.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*239.02*	
		For Clear Lacquer Finish, Add	*478.04*	
		For Baked Enamel Standard Colors, Add	*717.06*	
		For Anodized Finish, Add	*956.08*	
		For Kynar® Standard Colors Finish, Add	*1,314.60*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,224.01	178.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*286.65*	
		For Clear Lacquer Finish, Add	*573.29*	
		For Baked Enamel Standard Colors, Add	*859.94*	
		For Anodized Finish, Add	*1,146.58*	
		For Kynar® Standard Colors Finish, Add	*1,576.55*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,583.63	185.05
		Note: Includes bird screen.		
		For Flange Frame, Add	*321.35*	
		For Clear Lacquer Finish, Add	*642.70*	
		For Baked Enamel Standard Colors, Add	*964.06*	
		For Anodized Finish, Add	*1,285.41*	
		For Kynar® Standard Colors Finish, Add	*1,767.44*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,896.37	191.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*351.37*	
		For Clear Lacquer Finish, Add	*702.74*	
		For Baked Enamel Standard Colors, Add	*1,054.11*	
		For Anodized Finish, Add	*1,405.48*	
		For Kynar® Standard Colors Finish, Add	*1,932.54*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,239.51	197.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*384.43*	
		For Clear Lacquer Finish, Add	*768.86*	
		For Baked Enamel Standard Colors, Add	*1,153.29*	
		For Anodized Finish, Add	*1,537.72*	
		For Kynar® Standard Colors Finish, Add	*2,114.37*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,557.32	203.87
		Note: Includes bird screen.		
		For Flange Frame, Add	*414.96*	
		For Clear Lacquer Finish, Add	*829.92*	
		For Baked Enamel Standard Colors, Add	*1,244.87*	
		For Anodized Finish, Add	*1,659.83*	
		For Kynar® Standard Colors Finish, Add	*2,282.27*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	5,083.95	219.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*464.48*	
		For Clear Lacquer Finish, Add	*928.97*	
		For Baked Enamel Standard Colors, Add	*1,393.45*	
		For Anodized Finish, Add	*1,857.94*	
		For Kynar® Standard Colors Finish, Add	*2,554.66*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,026.11	228.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*356.82*	
		For Clear Lacquer Finish, Add	*713.64*	
		For Baked Enamel Standard Colors, Add	*1,070.45*	
		For Anodized Finish, Add	*1,427.27*	
		For Kynar® Standard Colors Finish, Add	*1,962.50*	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,734.66	238.38
		Note: Includes bird screen.		
		For Flange Frame, Add	*525.79*	
		For Clear Lacquer Finish, Add	*1,051.58*	
		For Baked Enamel Standard Colors, Add	*1,577.37*	
		For Anodized Finish, Add	*2,103.16*	
		For Kynar® Standard Colors Finish, Add	*2,891.85*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	6,100.59	244.64
		Note: Includes bird screen.		
		For Flange Frame, Add	*561.13*	
		For Clear Lacquer Finish, Add	*1,122.26*	
		For Baked Enamel Standard Colors, Add	*1,683.39*	
		For Anodized Finish, Add	*2,244.52*	
		For Kynar® Standard Colors Finish, Add	*3,086.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	6,414.55	254.05
		For Flange Frame, Add	*590.64*	
		For Clear Lacquer Finish, Add	*1,181.29*	
		For Baked Enamel Standard Colors, Add	*1,771.93*	
		For Anodized Finish, Add	*2,362.58*	
		For Kynar® Standard Colors Finish, Add	*3,248.54*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum Note: Includes bird screen.	6,923.56	263.46
		For Flange Frame, Add	*639.66*	
		For Clear Lacquer Finish, Add	*1,279.33*	
		For Baked Enamel Standard Colors, Add	*1,918.99*	
		For Anodized Finish, Add	*2,558.65*	
		For Kynar® Standard Colors Finish, Add	*3,518.15*	
08 91 19 00-0227		**Gable Louver Vents** *(08 91 19)* Note: 1" deep, residential/light commercial grade louvers.		
08 91 19 00-0228		**Aluminum Gable Louver Vents** *(08 91 19 00-0227)* Note: Includes screen.		
08 91 19 00-0229		**Rectangular Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	181.02	12.69
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	198.90	14.57
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	229.03	16.45
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	250.47	17.49
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	284.13	18.52
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	319.71	22.21
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	373.09	27.76
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	417.59	32.40
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	479.85	38.88
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	604.39	51.83
08 91 19 00-0240		**Square Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	165.78	11.68
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	205.72	14.81
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	256.56	17.47
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	328.61	23.14
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	426.48	33.33
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	542.02	45.32
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	675.57	59.23
08 91 19 00-0248		**Round Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	165.78	11.68
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	205.72	14.81
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	256.56	17.47
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	328.61	23.14
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	426.48	33.33
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	542.13	45.35
08 91 19 00-0255		**Octagonal Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	165.78	11.68
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	181.02	12.69
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	198.90	14.57
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	205.72	14.81
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	229.03	16.45
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	250.47	17.49
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	256.56	17.47
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	284.13	18.52
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	319.71	22.21
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	328.61	23.14
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	373.09	27.76
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	417.59	32.40
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	426.48	33.33
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	479.85	38.88
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	533.23	44.43
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	542.13	45.35
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	604.39	51.83
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	675.57	59.23
08 91 19 00-0274		**Round Top Aluminum Gable Louver Vents** *(08 91 19 00-0228)* Note: Includes screen.		
08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	165.78	11.68
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	181.02	12.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	198.90	14.57
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	205.72	14.81
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	229.03	16.45
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	250.47	17.49
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	256.56	17.47
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	284.13	18.52
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	319.71	22.21
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	328.61	23.14
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	373.09	27.76
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	417.59	32.40
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	426.48	33.33
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	479.85	38.88
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	533.23	44.43
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	542.13	45.35
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	604.39	51.83
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	675.57	59.23

08 91 19 00-0293 Triangle Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	333.47	14.57
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	378.91	17.47
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	406.47	18.52
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	466.52	22.21
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	518.24	23.14
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	434.26	27.76
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	509.35	32.40
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	573.29	33.33
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	651.13	38.88
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	533.23	44.43
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	609.42	45.35
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	702.26	51.83
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	797.91	59.23
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	897.83	68.07

08 91 19 00-0308 Vinyl Gable Louver Vents *(08 91 19 00-0227)*

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	76.83	11.68
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	92.40	12.69
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	125.80	16.45
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	171.01	18.52
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	121.43	14.81
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	140.44	17.47
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	197.54	23.14
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	288.55	33.33
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	121.43	14.81
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	137.37	16.45
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	176.35	18.52
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	250.91	27.76
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	589.41	44.43
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	119.03	14.57
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	165.30	18.52
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	172.25	22.21
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	387.82	27.76
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	387.82	27.76
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	387.82	27.76
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	387.82	27.76
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	387.82	27.76
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	437.85	44.43
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	437.85	44.43
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	437.85	44.43
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	437.85	44.43

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

08 95 13 00-0001 Aluminum Soffit Vents *(08 95 13)*

08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	8.21	2.89
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	14.60	5.65
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	24.33	7.53
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	25.30	7.53

08 95 13 00-0006 Vinyl Soffit Vents *(08 95 13)*

08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	6.70	2.74
		For Colors, Add	*0.12*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	7.06	2.74
		For Colors, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 95 16		**Wall Vents** *(08 95)*		
08 95 16 00-0001		Foundation Vents *(08 95 16)*		
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.51	0.21
08 95 16 00-0003	SI	Aluminum Foundation Vent	1.01	0.21
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	1.18	0.21
08 95 16 00-0005	SI	Plastic Foundation Vent	0.64	0.21

END OF SECTION 08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration *(09 01 20)*

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	23.65
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	19.09
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.12
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	15.08
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	13.50

09 01 20 91-0007 Patch/Finish Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.

09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	2.11
		For ASTM C840 Level 1 Finish, Deduct	*-1.01*
		For ASTM C840 Level 2 Finish, Deduct	*-0.51*
		For ASTM C840 Level 3 Finish, Deduct	*-0.20*
		For ASTM C840 Level 5 High Quality Finish, Add	*1.56*

09 01 20 91-0009 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0010 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	23.14
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	18.58
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	15.14
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	11.71
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	9.43
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	7.14

09 01 20 91-0017 Cut And Patch Hole In Plaster/Stucco To Match Existing *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	22.05
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	19.50
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	17.96
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	16.68
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	15.57
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	14.34

09 01 20 91-0024 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	41.65
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	30.22
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	22.21
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	17.63

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration *(09 01 30)*

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	7.69
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	9.59
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	49.62

09 01 50 Maintenance of Ceilings *(09 01)*

09 01 50 91 Ceiling Restoration *(09 01 50)*

09 01 50 91-0001 Repair Ceiling Suspension System *(09 01 50 91)*
See CSI section 09 53 23 00-0009 for ceiling suspension system accessories for replacement.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 01 60 Maintenance of Flooring *(09 01)*

09 01 60 91 Flooring Restoration *(09 01 60)*

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	365.15	
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	5.58	
09 01 60 91-0004	SF	Repair Existing Terrazzo	24.99	
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	5.72	

09 01 60 91-0006 Standard Flooring Maintenance *(09 01 60 91)*

09 01 60 91-0007	CSF	Steam Clean Carpet	47.57	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	52.66	
		For Additional Coat, Add	*44.16*	
		For Stripping Existing Wax From Floor, Add	*50.32*	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	32.54	
		For Additional Coat, Add	*28.76*	
		For Stripping Existing Wax From Floor, Add	*50.32*	
09 01 60 91-0010	MSF	Vacuum Floors	26.30	

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring *(09 01 60 91)*

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/8" of material per pass	10.20	
09 01 60 91-0013	LF	Up To 6" Wide, Hand Detail Work/Grinding At Wall Of Existing Concrete Floor Prior To Installation Of Flooring Note: Up to 1/4" of material per pass	20.01	
09 01 60 91-0014	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	8.36	

09 01 60 91-0015 Floor Sealants *(09 01 60 91)*

09 01 60 91-0016	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	1.42	
09 01 60 91-0017	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat Note: For interior/exterior concrete surfaces.	1.60	
09 01 60 91-0018	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.66	
09 01 60 91-0019	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	48.05	

09 01 80 Maintenance of Acoustic Treatment *(09 01)*

09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment *(09 01 80)*

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	2.93	

09 01 90 Maintenance of Painting and Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*

Note: In excess of surface preparation required. Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Media blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment and collection.

09 01 90 52-0002 Concrete, Stone And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete, Stone Or Masonry Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.46	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.75	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	1.10	
		For Up To 100, Add	*2.20*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.28*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0007	SF	Steam Clean, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.87	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	
09 01 90 52-0008	SF	2,000 To 5,000 PSI Pressure Wash, Concrete, Stone And Masonry Surfaces, Surface Preparation	0.56	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	1.56	
		For Up To 100, Add	*2.81*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.30*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete, Stone And Masonry Surfaces, Surface Preparation	2.57	
		For Up To 100, Add	*4.83*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.25*	
		For >15,000 To 30,000, Deduct	*-0.38*	
		For >30,000, Deduct	*-0.50*	
09 01 90 52-0011	SF	Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation Note: 3 Lb. of sand or glass abrasive media material per SF	4.00	
		For 4.5 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*2.32*	
		For 6 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*4.81*	
		For 9 Lb. Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add	*8.00*	
		For Up To 100, Add	*6.86*	
		For >100 To 250, Add	*1.81*	
		For >250 To 500, Add	*0.89*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.58*	
		For >30,000, Deduct	*-0.76*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.34	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.09*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.15*	
09 01 90 52-0015	SF	Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	1.11	
		For Up To 100, Add	*2.09*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.26*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.43	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.75	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.89	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.18*	
09 01 90 52-0020	SF	2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.36	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.20*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.14*	
		For >15,000 To 30,000, Deduct	*-0.20*	
		For >30,000, Deduct	*-0.27*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.55	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	1.17	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.61	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.31*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	2.37	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 30,000, Deduct	*-0.34*	
		For >30,000, Deduct	*-0.45*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.95	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.48*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.57*	
		For >30,000, Deduct	*-0.75*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.01	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 30,000, Deduct	*-0.43*	
		For >30,000, Deduct	*-0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.73	
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 15,000, Deduct	*-0.34*	
		For >15,000 To 30,000, Deduct	*-0.54*	
		For >30,000, Deduct	*-0.71*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	4.83	
		For Up To 100, Add	*2.90*	
		For >100 To 250, Add	*1.35*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 15,000, Deduct	*-0.44*	
		For >15,000 To 30,000, Deduct	*-0.70*	
		For >30,000, Deduct	*-0.92*	
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	6.04	
		For Up To 100, Add	*3.63*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.73*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 15,000, Deduct	*-0.56*	
		For >15,000 To 30,000, Deduct	*-0.87*	
		For >30,000, Deduct	*-1.15*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.39	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	38.60	
		For Up To 100, Add	*28.67*	
		For >100 To 250, Add	*13.38*	
		For >250 To 500, Add	*5.73*	
		For >5,000 To 10,000, Deduct	*-1.92*	
		For >10,000 To 15,000, Deduct	*-3.85*	
		For >15,000 To 30,000, Deduct	*-5.78*	
		For >30,000, Deduct	*-7.70*	
09 01 90 52-0034	SF	2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.39	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.07*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.77	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.17*	
		For >15,000 To 30,000, Deduct	*-0.26*	
		For >30,000, Deduct	*-0.35*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.41	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.63	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.92	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	0.85	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0041	SF	2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.58	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.82	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	1.10	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.16*	
		For >30,000, Deduct	*-0.22*	
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.75	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.85	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.39	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation	0.62	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.48	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.90	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.13*	
		For >30,000, Deduct	*-0.17*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0051		Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*		
		Note: Based on total project quantity.		
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.63	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0054		Prep Work *(09 01 90 52-0001)*		
09 01 90 52-0055	SF	Citrus Strip, Single Applications	1.12	
		Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
09 01 90 52-0056		Corrosive Inhibitor Sealant For Concrete *(09 01 90 52-0001)*		
09 01 90 52-0057	SF	Corrosive Inhibitor Sealant For Concrete	0.78	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
09 01 90 61		**Repainting** *(09 01 90)*		
09 01 90 61-0001		Touchup and "Spot" Painting Of Surfaces *(09 01 90 61)*		
		Note: For use on individual areas less than 10 SF.		
09 01 90 61-0002	SF	"Spot" Paint Drywall, Plaster, Wood And Concrete Surfaces, Per Coat	1.39	
09 01 90 91		**Paint Restoration** *(09 01 90)*		
09 01 90 91-0001		Paint Removal, Strip To Bare Wood *(09 01 90 91)*		
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	7.02	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	7.48	

09 05 Common Work Results for Finishes *(09)*

09 05 61 Common Work Results for Flooring Preparation *(09 05)*

09 05 61 13 Moisture Vapor Emission Control *(09 05 61)*

09 05 61 13-0001		Moisture Vapor Reduction System (Koster VAP) *(09 05 61 13)*		
09 05 61 13-0002	SF	Up To 200 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	16.52	
		Note: Clear		
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	13.11	
		Note: Clear		
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	8.73	
		Note: Clear		
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	7.29	
		Note: Clear		
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koster VAP 1-2000)	5.82	
		Note: Clear		
09 05 61 13-0007		Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*		
09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.32	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.42	

09 05 71 Acoustic Underlayment *(09 05)*

09 05 71 00-0001		Tile And Stone Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	4.56	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.53*	
09 05 71 00-0003		Resilient Floor Acoustical Underlayment *(09 05 71)*		
09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	3.07	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.53	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 05 71 00-0006		SF	0.055" Thick High-Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.45	

09 20 Plaster and Gypsum Board *(09)*

09 22 Supports for Plaster and Gypsum Board *(09 20)*

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring *(09 22)*

09 22 13 13 Metal Channel Furring *(09 22 13)*

09 22 13 13-0001 Hat Furring Channel *(09 22 13 13)*

Note: Includes clips where required.

09 22 13 13-0002 Installed On Walls, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0003		SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.42	2.04
	For Walls >10' High, Add			*0.61*	
	For 24" On Center, Deduct			*-0.68*	
	For 12" On Center, Add			*0.88*	
	For 22 Gauge, Add			*0.67*	
	For 20 Gauge, Add			*1.49*	
09 22 13 13-0004		SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	5.95	2.04
	For Walls >10' High, Add			*0.61*	
	For 24" On Center, Deduct			*-0.78*	
	For 12" On Center, Add			*0.99*	
	For 22 Gauge, Add			*0.93*	
	For 20 Gauge, Add			*1.84*	

09 22 13 13-0005 Installed On Columns And Beams, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0006		SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	7.63	3.14
	For Columns And Beams >10' High, Add			*1.26*	
	For 24" On Center, Deduct			*-0.90*	
	For 12" On Center, Add			*1.21*	
	For 22 Gauge, Add			*0.67*	
	For 20 Gauge, Add			*1.83*	
09 22 13 13-0007		SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	8.16	3.14
	For Columns And Beams >10' High, Add			*1.26*	
	For 24" On Center, Deduct			*-1.00*	
	For 12" On Center, Add			*1.32*	
	For 22 Gauge, Add			*0.94*	
	For 20 Gauge, Add			*2.18*	

09 22 13 13-0008 Installed On Ceilings, Hat Furring Channel *(09 22 13 13-0001)*

09 22 13 13-0009		SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.24	2.51
	For Ceilings >10' High, Add			*0.75*	
	For 24" On Center, Deduct			*-0.95*	
	For 12" On Center, Add			*1.20*	
	For 22 Gauge, Add			*1.11*	
	For 20 Gauge, Add			*2.21*	
09 22 13 13-0010		SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	7.77	2.51
	For Ceilings >10' High, Add			*0.75*	
	For 24" On Center, Deduct			*-1.05*	
	For 12" On Center, Add			*1.30*	
	For 22 Gauge, Add			*1.37*	
	For 20 Gauge, Add			*2.56*	

09 22 13 13-0011 Z Furring Channel *(09 22 13 13)*

09 22 13 13-0012 Installed On Walls, Z Furring Channel *(09 22 13 13-0011)*

09 22 13 13-0013		SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.42	2.04
	For Walls >10' High, Add			*0.61*	
	For 24" On Center, Deduct			*-0.48*	
	For 12" On Center, Add			*0.68*	
	For 22 Gauge, Add			*0.17*	
	For 20 Gauge, Add			*0.83*	
09 22 13 13-0014		SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.48	2.04
	For Walls >10' High, Add			*0.61*	
	For 24" On Center, Deduct			*-0.49*	
	For 12" On Center, Add			*0.69*	
	For 22 Gauge, Add			*0.20*	
	For 20 Gauge, Add			*0.87*	
09 22 13 13-0015		SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.54	2.04
	For Walls >10' High, Add			*0.61*	
	For 24" On Center, Deduct			*-0.50*	
	For 12" On Center, Add			*0.70*	
	For 22 Gauge, Add			*0.23*	
	For 20 Gauge, Add			*0.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.58	2.04
		For Walls >10' High, Add	*0.61*	
		For 24" On Center, Deduct	*-0.51*	
		For 12" On Center, Add	*0.71*	
		For 22 Gauge, Add	*0.25*	
		For 20 Gauge, Add	*0.94*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	4.62	2.04
		For Walls >10' High, Add	*0.61*	
		For 24" On Center, Deduct	*-0.52*	
		For 12" On Center, Add	*0.72*	
		For 22 Gauge, Add	*0.27*	
		For 20 Gauge, Add	*0.96*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

09 22 13 23-0001 Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0002 Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	4.78	2.04
		For Walls >10' High, Add	*0.61*	
		For 24" On Center, Deduct	*-0.55*	
		For 12" On Center, Add	*0.75*	
		For 20 Gauge, Add	*1.07*	

09 22 13 23-0004 Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*

09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	5.72	2.51
		For Ceilings >10' High, Add	*0.75*	
		For 24" On Center, Deduct	*-0.64*	
		For 12" On Center, Add	*0.89*	
		For 20 Gauge, Add	*1.21*	

09 22 13 23-0006 Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)*
Note: Includes clips where required.

09 22 13 23-0007 Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	5.04	2.04
		For Walls >10' High, Add	*0.61*	
		For 24" On Center, Deduct	*-0.60*	
		For 12" On Center, Add	*0.80*	
		For 20 Gauge, Add	*1.24*	

09 22 13 23-0009 Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*

09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	5.98	2.51
		For Ceilings >10' High, Add	*0.75*	
		For 24" On Center, Deduct	*-0.69*	
		For 12" On Center, Add	*0.94*	
		For 20 Gauge, Add	*1.38*	

09 22 16 Non-Structural Metal Framing *(09 22)*

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

09 22 16 13 Non-Structural Metal Stud Framing *(09 22 16)*

09 22 16 13-0001 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.57	0.85
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.71*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.06*	
		For Soffit, Columns Or Beams >10' High, Add	*2.70*	
		For Horizontal Installation Up To 10' High, Add	*0.68*	
		For Horizontal Installation >10' High, Add	*0.89*	
		For Curved Wall, Add	*0.64*	
		For 12" On Center, Add	*0.61*	
		For 24" On Center, Deduct	*-0.61*	
		For Up To 100, Add	*1.14*	
		For >100 To 300, Add	*0.57*	
		For >1,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.84	0.89
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.77*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.17*	
		For Soffit, Columns Or Beams >10' High, Add	*2.84*	
		For Horizontal Installation Up To 10' High, Add	*0.72*	
		For Horizontal Installation >10' High, Add	*0.94*	
		For Curved Wall, Add	*0.67*	
		For 12" On Center, Add	*0.66*	
		For 24" On Center, Deduct	*-0.66*	
		For Up To 100, Add	*1.21*	
		For >100 To 300, Add	*0.61*	
		For >1,000, Deduct	*-0.35*	
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.20	0.93
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.84*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.29*	
		For Soffit, Columns Or Beams >10' High, Add	*2.99*	
		For Horizontal Installation Up To 10' High, Add	*0.77*	
		For Horizontal Installation >10' High, Add	*1.01*	
		For Curved Wall, Add	*0.70*	
		For 12" On Center, Add	*0.72*	
		For 24" On Center, Deduct	*-0.72*	
		For Up To 100, Add	*1.31*	
		For >100 To 300, Add	*0.65*	
		For >1,000, Deduct	*-0.40*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.50	0.98
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.90*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.41*	
		For Soffit, Columns Or Beams >10' High, Add	*3.15*	
		For Horizontal Installation Up To 10' High, Add	*0.82*	
		For Horizontal Installation >10' High, Add	*1.06*	
		For Curved Wall, Add	*0.74*	
		For 12" On Center, Add	*0.78*	
		For 24" On Center, Deduct	*-0.78*	
		For Up To 100, Add	*1.39*	
		For >100 To 300, Add	*0.70*	
		For >1,000, Deduct	*-0.43*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.10	1.03
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.02*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.57*	
		For Soffit, Columns Or Beams >10' High, Add	*3.35*	
		For Horizontal Installation Up To 10' High, Add	*0.90*	
		For Horizontal Installation >10' High, Add	*1.16*	
		For Curved Wall, Add	*0.77*	
		For 12" On Center, Add	*0.89*	
		For 24" On Center, Deduct	*-0.89*	
		For Up To 100, Add	*1.54*	
		For >100 To 300, Add	*0.77*	
		For >1,000, Deduct	*-0.51*	

09 22 16 13-0007 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.11	0.86
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.82*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.16*	
		For Soffit, Columns Or Beams >10' High, Add	*2.81*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*0.96*	
		For Curved Wall, Add	*0.65*	
		For 12" On Center, Add	*0.71*	
		For 24" On Center, Deduct	*-0.71*	
		For Up To 100, Add	*1.26*	
		For >100 To 300, Add	*0.63*	
		For >1,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.56	0.91
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*0.91*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.29*	
		For Soffit, Columns Or Beams >10' High, Add	*2.98*	
		For Horizontal Installation Up To 10' High, Add	*0.80*	
		For Horizontal Installation >10' High, Add	*1.03*	
		For Curved Wall, Add	*0.69*	
		For 12" On Center, Add	*0.80*	
		For 24" On Center, Deduct	*-0.80*	
		For Up To 100, Add	*1.37*	
		For >100 To 300, Add	*0.69*	
		For >1,000, Deduct	*-0.46*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.09	0.95
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.02*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.43*	
		For Soffit, Columns Or Beams >10' High, Add	*3.15*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.11*	
		For Curved Wall, Add	*0.72*	
		For 12" On Center, Add	*0.90*	
		For 24" On Center, Deduct	*-0.90*	
		For Up To 100, Add	*1.50*	
		For >100 To 300, Add	*0.75*	
		For >1,000, Deduct	*-0.52*	
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners	5.43	1.00
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.09*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.55*	
		For Soffit, Columns Or Beams >10' High, Add	*3.30*	
		For Horizontal Installation Up To 10' High, Add	*0.92*	
		For Horizontal Installation >10' High, Add	*1.17*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*0.96*	
		For 24" On Center, Deduct	*-0.96*	
		For Up To 100, Add	*1.59*	
		For >100 To 300, Add	*0.79*	
		For >1,000, Deduct	*-0.56*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.88	1.05
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.58*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.90*	
		For Soffit, Columns Or Beams >10' High, Add	*3.69*	
		For Horizontal Installation Up To 10' High, Add	*1.18*	
		For Horizontal Installation >10' High, Add	*1.45*	
		For Curved Wall, Add	*0.79*	
		For 12" On Center, Add	*1.44*	
		For 24" On Center, Deduct	*-1.44*	
		For Up To 100, Add	*2.10*	
		For >100 To 300, Add	*1.05*	
		For >1,000, Deduct	*-0.92*	

09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.61	0.93
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.32*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.53*	
		For Soffit, Columns Or Beams >10' High, Add	*3.24*	
		For Horizontal Installation Up To 10' High, Add	*1.01*	
		For Horizontal Installation >10' High, Add	*1.25*	
		For Curved Wall, Add	*0.70*	
		For 12" On Center, Add	*1.21*	
		For 24" On Center, Deduct	*-1.21*	
		For Up To 100, Add	*1.79*	
		For >100 To 300, Add	*0.90*	
		For >1,000, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.35	0.98
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.47*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.70*	
		For Soffit, Columns Or Beams >10' High, Add	*3.44*	
		For Horizontal Installation Up To 10' High, Add	*1.10*	
		For Horizontal Installation >10' High, Add	*1.35*	
		For Curved Wall, Add	*0.74*	
		For 12" On Center, Add	*1.35*	
		For 24" On Center, Deduct	*-1.35*	
		For Up To 100, Add	*1.96*	
		For >100 To 300, Add	*0.98*	
		For >1,000, Deduct	*-0.86*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.93	1.03
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.59*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.86*	
		For Soffit, Columns Or Beams >10' High, Add	*3.63*	
		For Horizontal Installation Up To 10' High, Add	*1.18*	
		For Horizontal Installation >10' High, Add	*1.44*	
		For Curved Wall, Add	*0.77*	
		For 12" On Center, Add	*1.46*	
		For 24" On Center, Deduct	*-1.46*	
		For Up To 100, Add	*2.10*	
		For >100 To 300, Add	*1.05*	
		For >1,000, Deduct	*-0.93*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	10.59	1.08
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.12*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.23*	
		For Soffit, Columns Or Beams >10' High, Add	*4.04*	
		For Horizontal Installation Up To 10' High, Add	*1.47*	
		For Horizontal Installation >10' High, Add	*1.74*	
		For Curved Wall, Add	*0.81*	
		For 12" On Center, Add	*1.98*	
		For 24" On Center, Deduct	*-1.98*	
		For Up To 100, Add	*2.66*	
		For >100 To 300, Add	*1.33*	
		For >1,000, Deduct	*-1.32*	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	11.57	1.15
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.31*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.43*	
		For Soffit, Columns Or Beams >10' High, Add	*4.28*	
		For Horizontal Installation Up To 10' High, Add	*1.58*	
		For Horizontal Installation >10' High, Add	*1.87*	
		For Curved Wall, Add	*0.85*	
		For 12" On Center, Add	*2.17*	
		For 24" On Center, Deduct	*-2.17*	
		For Up To 100, Add	*2.88*	
		For >100 To 300, Add	*1.44*	
		For >1,000, Deduct	*-1.45*	

09 22 16 13-0019 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners *(09 22 16 13)*

09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	7.05	0.95
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.41*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.63*	
		For Soffit, Columns Or Beams >10' High, Add	*3.35*	
		For Horizontal Installation Up To 10' High, Add	*1.07*	
		For Horizontal Installation >10' High, Add	*1.31*	
		For Curved Wall, Add	*0.72*	
		For 12" On Center, Add	*1.29*	
		For 24" On Center, Deduct	*-1.29*	
		For Up To 100, Add	*1.89*	
		For >100 To 300, Add	*0.95*	
		For >1,000, Deduct	*-0.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	8.41	1.00
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.68*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.85*	
		For Soffit, Columns Or Beams >10' High, Add	*3.60*	
		For Horizontal Installation Up To 10' High, Add	*1.22*	
		For Horizontal Installation >10' High, Add	*1.47*	
		For Curved Wall, Add	*0.75*	
		For 12" On Center, Add	*1.56*	
		For 24" On Center, Deduct	*-1.56*	
		For Up To 100, Add	*2.18*	
		For >100 To 300, Add	*1.09*	
		For >1,000, Deduct	*-1.01*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	8.91	1.05
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*1.78*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.00*	
		For Soffit, Columns Or Beams >10' High, Add	*3.80*	
		For Horizontal Installation Up To 10' High, Add	*1.29*	
		For Horizontal Installation >10' High, Add	*1.55*	
		For Curved Wall, Add	*0.79*	
		For 12" On Center, Add	*1.65*	
		For 24" On Center, Deduct	*-1.65*	
		For Up To 100, Add	*2.31*	
		For >100 To 300, Add	*1.16*	
		For >1,000, Deduct	*-1.07*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	11.49	1.11
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.30*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.37*	
		For Soffit, Columns Or Beams >10' High, Add	*4.21*	
		For Horizontal Installation Up To 10' High, Add	*1.57*	
		For Horizontal Installation >10' High, Add	*1.84*	
		For Curved Wall, Add	*0.83*	
		For 12" On Center, Add	*2.16*	
		For 24" On Center, Deduct	*-2.16*	
		For Up To 100, Add	*2.85*	
		For >100 To 300, Add	*1.43*	
		For >1,000, Deduct	*-1.45*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	12.70	1.17
		For Powder-Actuated Fasteners Every 2', Add	*0.07*	
		For Walls >10' High, Add	*2.54*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*3.60*	
		For Soffit, Columns Or Beams >10' High, Add	*4.47*	
		For Horizontal Installation Up To 10' High, Add	*1.71*	
		For Horizontal Installation >10' High, Add	*2.00*	
		For Curved Wall, Add	*0.87*	
		For 12" On Center, Add	*2.39*	
		For 24" On Center, Deduct	*-2.39*	
		For Up To 100, Add	*3.12*	
		For >100 To 300, Add	*1.56*	
		For >1,000, Deduct	*-1.61*	

09 22 16 13-0025 Galvanized Steel Backing Plates *(09 22 16 13)*

Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.

09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.66
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	2.03
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	2.58
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	3.17
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	3.72
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	4.43
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	2.12
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	2.62
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	3.47
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	4.34
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	5.21
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	6.19
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	2.87
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	3.56
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	4.82
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	6.07
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	7.43
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	8.75
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	3.38
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	4.23
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	5.82
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	7.40
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	9.10
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	10.75

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36		**Lath** *(09 22)*		
09 22 36 13		**Gypsum Lath** *(09 22 36)*		
09 22 36 13-0001		Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.70	0.56
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.34	0.65
		For Walls >10' High, Add	*0.16*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	2.99	0.75
		For Walls >10' High, Add	*0.19*	
		For Up To 100, Add	*0.75*	
		For >100 To 500, Add	*0.38*	
		For >5,000, Deduct	*-0.15*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.15	0.79
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.86	0.91
		For Ceilings >10' High, Add	*0.27*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.18*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	3.59	1.05
		For Ceilings >10' High, Add	*0.32*	
		For Up To 100, Add	*1.05*	
		For >100 To 500, Add	*0.53*	
		For >5,000, Deduct	*-0.21*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.60	1.01
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	3.38	1.18
		For Columns And Beams >10' High, Add	*0.35*	
		For Up To 100, Add	*1.18*	
		For >100 To 500, Add	*0.59*	
		For >5,000, Deduct	*-0.24*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	4.18	1.36
		For Columns And Beams >10' High, Add	*0.40*	
		For Up To 100, Add	*1.35*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.27*	
09 22 36 13-0011		Firestop Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.37	0.56
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	2.75	0.65
		For Walls >10' High, Add	*0.16*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.82	0.79
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	3.27	0.91
		For Ceilings >10' High, Add	*0.27*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.18*	
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.27	1.01
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	3.79	1.18
		For Columns And Beams >10' High, Add	*0.35*	
		For Up To 100, Add	*1.18*	
		For >100 To 500, Add	*0.59*	
		For >5,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0018		**Foil Back Plaster Base Gypsum Panels** *(09 22 36 13)*		
09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.37	0.56
		For Walls >10' High, Add	*0.14*	
		For Up To 100, Add	*0.57*	
		For >100 To 500, Add	*0.29*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	2.75	0.65
		For Walls >10' High, Add	*0.16*	
		For Up To 100, Add	*0.66*	
		For >100 To 500, Add	*0.33*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.82	0.79
		For Ceilings >10' High, Add	*0.24*	
		For Up To 100, Add	*0.80*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	3.27	0.91
		For Ceilings >10' High, Add	*0.27*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.18*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.27	1.01
		For Columns And Beams >10' High, Add	*0.31*	
		For Up To 100, Add	*1.02*	
		For >100 To 500, Add	*0.51*	
		For >5,000, Deduct	*-0.20*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	3.79	1.18
		For Columns And Beams >10' High, Add	*0.35*	
		For Up To 100, Add	*1.18*	
		For >100 To 500, Add	*0.59*	
		For >5,000, Deduct	*-0.24*	
09 22 36 23		**Metal Lath** *(09 22 36)*		
09 22 36 23-0001		Flat Diamond, Expanded Metal Lath *(09 22 36 23)*		
09 22 36 23-0002	SF	1.75 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.80	0.78
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0003	SF	2 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.94	0.78
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0004	SF	2.5 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.07	0.78
		For Walls >10' High, Add	*0.22*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.88*	
		For >100 To 500, Add	*0.44*	
		For >5,000, Deduct	*-0.18*	
09 22 36 23-0005	SF	3.4 Lb./SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	3.53	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0006	SF	1.75 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.05	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0007	SF	2 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.19	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0008	SF	2.5 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.32	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0009	SF	3.4 Lb./SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	3.66	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0010	SF	1.75 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.03	1.26
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0011	SF	2 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.17	1.26
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0012	SF	2.5 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	4.30	1.26
		For Columns And Beams >10' High, Add	*0.42*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.40*	
		For >100 To 500, Add	*0.70*	
		For >5,000, Deduct	*-0.28*	
09 22 36 23-0013	SF	3.4 Lb./SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	5.35	1.58
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.75*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	

09 22 36 23-0014 Self-Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0015	SF	1.75 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	2.92	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0016	SF	2.0 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.06	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0017	SF	2.5 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.19	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0018	SF	3.4 Lb./SY, Installed On Solid Wall Surface, Self-Furring, Flat Diamond, Expanded Metal Lath	3.53	0.83
		For Walls >10' High, Add	*0.23*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0019	SF	1.75 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.74	1.58
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.75*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0020	SF	2.0 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	4.88	1.58
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.75*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0021	SF	2.5 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.01	1.58
		For Columns And Beams >10' High, Add	*0.53*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.75*	
		For >100 To 500, Add	*0.88*	
		For >5,000, Deduct	*-0.35*	
09 22 36 23-0022	SF	3.4 Lb./SY, Installed On Columns And Beams, Self-Furring, Flat Diamond, Expanded Metal Lath	5.85	1.80
		For Columns And Beams >10' High, Add	*0.60*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*2.00*	
		For >100 To 500, Add	*1.00*	
		For >5,000, Deduct	*-0.40*	

09 22 36 23-0023 High Rib Metal Lath *(09 22 36 23)*

09 22 36 23-0024	SF	2.75 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.43	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0025	SF	3.4 Lb./SY, Installed On Ceiling, 1/8" High Rib Metal Lath	3.62	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0026	SF	3.4 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.74	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 23-0027	SF	4.0 Lb./SY, Installed On Ceiling, 3/8" High Rib Metal Lath	3.96	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.73	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	3.98	0.89
		For Ceilings >10' High, Add	*0.30*	
		For Up To 100, Add	*1.00*	
		For >100 To 500, Add	*0.50*	
		For >5,000, Deduct	*-0.20*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.60	0.83
		For Walls >10' High, Add	*0.23*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	3.85	0.83
		For Walls >10' High, Add	*0.23*	
		For Up To 100, Add	*0.94*	
		For >100 To 500, Add	*0.47*	
		For >5,000, Deduct	*-0.19*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	5.19	1.26
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	5.20	1.26
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	5.53	1.26
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	4.99	1.26
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	5.03	1.26

09 23 13 00-0007 Trim *(09 23 13)*

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	5.63	1.26
		For Vinyl Instead Of Galvanized, Add	*0.35*	
		For Zinc Instead Of Galvanized, Add	*2.33*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	5.63	1.26
		For Vinyl Instead Of Galvanized, Add	*0.35*	
		For Zinc Instead Of Galvanized, Add	*2.33*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	5.63	1.26
		For Vinyl Instead Of Galvanized, Add	*0.35*	
		For Zinc Instead Of Galvanized, Add	*2.33*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	6.04	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint For Plaster Applications	6.12	1.26

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.47	
		For Walls >10' High, Add	*0.13*	
		For Horizontal Installation Up To 10' High, Add	*0.19*	
		For Horizontal Installation >10' High, Add	*0.38*	
		For Columns Or Beams Up To 10' High, Add	*0.39*	
		For Columns Or Beams >10' High, Add	*0.58*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	1.06	
		For Walls >10' High, Add	*0.09*	
		For Horizontal Installation Up To 10' High, Add	*0.14*	
		For Horizontal Installation >10' High, Add	*0.27*	
		For Columns Or Beams Up To 10' High, Add	*0.28*	
		For Columns Or Beams >10' High, Add	*0.42*	
		For Up To 100, Add	*0.46*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.18*	
09 23 13 00-0017		Two Coats Gypsum Plaster On Walls *(09 23 13)*		
09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	7.33	4.23
		For Walls >10' High, Add	*0.70*	
		For Horizontal Installation Up To 10' High, Add	*1.05*	
		For Horizontal Installation >10' High, Add	*2.09*	
		For Columns Or Beams Up To 10' High, Add	*2.16*	
		For Columns Or Beams >10' High, Add	*3.21*	
		For Up To 100, Add	*3.49*	
		For >100 To 500, Add	*1.74*	
		For >5,000, Deduct	*-1.39*	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	7.45	4.00
		For Walls >10' High, Add	*0.65*	
		For Horizontal Installation Up To 10' High, Add	*0.98*	
		For Horizontal Installation >10' High, Add	*1.96*	
		For Columns Or Beams Up To 10' High, Add	*2.03*	
		For Columns Or Beams >10' High, Add	*3.01*	
		For Up To 100, Add	*3.27*	
		For >100 To 500, Add	*1.64*	
		For >5,000, Deduct	*-1.31*	
09 23 13 00-0020	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	7.49	4.00
		For Walls >10' High, Add	*0.65*	
		For Horizontal Installation Up To 10' High, Add	*0.98*	
		For Horizontal Installation >10' High, Add	*1.96*	
		For Columns Or Beams Up To 10' High, Add	*2.03*	
		For Columns Or Beams >10' High, Add	*3.01*	
		For Up To 100, Add	*3.27*	
		For >100 To 500, Add	*1.64*	
		For >5,000, Deduct	*-1.31*	
09 23 13 00-0021		Three Coats Gypsum Plaster On Walls *(09 23 13)*		
09 23 13 00-0022	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	8.85	5.15
		For Walls >10' High, Add	*0.83*	
		For Horizontal Installation Up To 10' High, Add	*1.25*	
		For Horizontal Installation >10' High, Add	*2.50*	
		For Columns Or Beams Up To 10' High, Add	*2.58*	
		For Columns Or Beams >10' High, Add	*3.83*	
		For Up To 100, Add	*4.17*	
		For >100 To 500, Add	*2.08*	
		For >5,000, Deduct	*-1.67*	
09 23 13 00-0023	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	8.79	4.69
		For Walls >10' High, Add	*0.77*	
		For Horizontal Installation Up To 10' High, Add	*1.16*	
		For Horizontal Installation >10' High, Add	*2.32*	
		For Columns Or Beams Up To 10' High, Add	*2.39*	
		For Columns Or Beams >10' High, Add	*3.55*	
		For Up To 100, Add	*3.86*	
		For >100 To 500, Add	*1.93*	
		For >5,000, Deduct	*-1.54*	
09 23 13 00-0024	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	8.32	4.69
		For Walls >10' High, Add	*0.77*	
		For Horizontal Installation Up To 10' High, Add	*1.15*	
		For Horizontal Installation >10' High, Add	*2.30*	
		For Columns Or Beams Up To 10' High, Add	*2.38*	
		For Columns Or Beams >10' High, Add	*3.53*	
		For Up To 100, Add	*3.84*	
		For >100 To 500, Add	*1.92*	
		For >5,000, Deduct	*-1.54*	
09 23 13 00-0025		Plaster Bonding Agent *(09 23 13)*		
09 23 13 00-0026	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent	0.82	
		For Walls >10' High, Add	*0.07*	
		For Columns Or Beams Up To 10' High, Add	*0.20*	
		For Columns Or Beams >10' High, Add	*0.30*	
		For Ceiling Application Up To 10' High, Add	*0.09*	
		For Ceiling Application >10' High, Add	*0.15*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*
Note: Used for areas with higher than normal moisture.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	5.70	2.86
		For Walls >10' High, Add	*0.46*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*1.37*	
		For Columns Or Beams Up To 10' High, Add	*1.42*	
		For Columns Or Beams >10' High, Add	*2.10*	
		For Up To 100, Add	*2.29*	
		For >100 To 500, Add	*1.14*	
		For >5,000, Deduct	*-0.91*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	8.68	4.46
		For Walls >10' High, Add	*0.73*	
		For Horizontal Installation Up To 10' High, Add	*1.09*	
		For Horizontal Installation >10' High, Add	*2.18*	
		For Columns Or Beams Up To 10' High, Add	*2.25*	
		For Columns Or Beams >10' High, Add	*3.34*	
		For Up To 100, Add	*3.63*	
		For >100 To 500, Add	*1.81*	
		For >5,000, Deduct	*-1.45*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	9.82	5.03
		For Walls >10' High, Add	*0.82*	
		For Horizontal Installation Up To 10' High, Add	*1.23*	
		For Horizontal Installation >10' High, Add	*2.46*	
		For Columns Or Beams Up To 10' High, Add	*2.54*	
		For Columns Or Beams >10' High, Add	*3.77*	
		For Up To 100, Add	*4.10*	
		For >100 To 500, Add	*2.05*	
		For >5,000, Deduct	*-1.64*	

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	10.97	3.55
		For Walls >10' High, Add	*0.97*	
		For Horizontal Installation Up To 10' High, Add	*1.45*	
		For Horizontal Installation >10' High, Add	*2.90*	
		For Columns Or Beams Up To 10' High, Add	*3.00*	
		For Columns Or Beams >10' High, Add	*4.45*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*2.03*	
		For Up To 100, Add	*4.84*	
		For >100 To 500, Add	*2.42*	
		For >5,000, Deduct	*-1.94*	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.69	1.72
		For Walls >10' High, Add	*0.36*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*1.07*	
		For Columns Or Beams Up To 10' High, Add	*1.10*	
		For Columns Or Beams >10' High, Add	*1.63*	
		For Up To 100, Add	*1.78*	
		For >100 To 500, Add	*0.89*	
		For >5,000, Deduct	*-0.71*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	7.23	1.72
		For Walls >10' High, Add	*0.63*	
		For Horizontal Installation Up To 10' High, Add	*0.94*	
		For Horizontal Installation >10' High, Add	*1.89*	
		For Columns Or Beams Up To 10' High, Add	*1.95*	
		For Columns Or Beams >10' High, Add	*2.89*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.73*	
		For Up To 100, Add	*3.15*	
		For >100 To 500, Add	*1.57*	
		For >5,000, Deduct	*-1.26*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	4.73	1.14
		For Walls >10' High, Add	*0.46*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*1.37*	
		For Columns Or Beams Up To 10' High, Add	*1.42*	
		For Columns Or Beams >10' High, Add	*2.10*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.73*	
		For Up To 100, Add	*2.29*	
		For >100 To 500, Add	*1.14*	
		For >5,000, Deduct	*-0.91*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	4.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	5.39	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	8.25	

09 28 Backing Boards and Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	4.43	0.84
		For Up To 50, Add	*3.61*	
		For >50 To 250, Add	*0.67*	
		For >1,000, Deduct	*-0.33*	
		For Installation On Wall, Add	*0.67*	
		For Installation On Ceiling, Add	*1.67*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	5.12	1.01
		For Up To 50, Add	*4.28*	
		For >50 To 250, Add	*0.80*	
		For >1,000, Deduct	*-0.40*	
		For Installation On Wall, Add	*0.80*	
		For Installation On Ceiling, Add	*2.00*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	6.24	1.17
		For Up To 50, Add	*5.06*	
		For >50 To 250, Add	*0.93*	
		For >1,000, Deduct	*-0.47*	
		For Installation On Wall, Add	*0.93*	
		For Installation On Ceiling, Add	*2.34*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	3.87	0.94
		For Up To 50, Add	*2.77*	
		For >50 To 250, Add	*0.48*	
		For >1,000, Deduct	*-0.24*	
		For Installation On Wall, Add	*0.48*	
		For Installation On Ceiling, Add	*1.20*	
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	4.55	1.07
		For Up To 50, Add	*3.14*	
		For >50 To 250, Add	*0.53*	
		For >1,000, Deduct	*-0.27*	
		For Installation On Wall, Add	*0.53*	
		For Installation On Ceiling, Add	*1.34*	

09 29 Gypsum Board *(09 20)*

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.54	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.36*	
		For Horizontal Installation >10' High, Add	*0.54*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.52*	
		For >128 To 320, Add	*0.31*	
		For >1,536, Deduct	*-0.12*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.67	0.60
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.28*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.60*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.57*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0005	SF	1/2" Gypsum Board	1.85	0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.32*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.69*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.65*	
		For >128 To 320, Add	*0.39*	
		For >1,536, Deduct	*-0.14*	
09 29 10 00-0006	SF	5/8" Gypsum Board	2.17	0.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.37*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.75*	
		For >128 To 320, Add	*0.46*	
		For >1,536, Deduct	*-0.17*	

09 29 10 00-0007 Fire Rated Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0008 Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	2.32	0.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.88*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.81*	
		For >128 To 320, Add	*0.49*	
		For >1,536, Deduct	*-0.17*	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	2.12	0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.36*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.73*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.17*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	2.39	0.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.88*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.83*	
		For >128 To 320, Add	*0.50*	
		For >1,536, Deduct	*-0.18*	

09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*

09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	3.19	0.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.88*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.99*	
		For >128 To 320, Add	*0.58*	
		For >1,536, Deduct	*-0.30*	

09 29 10 00-0015 Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*

Note: Water-resistant gypsum core.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	2.00	0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.32*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.69*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.68*	
		For >128 To 320, Add	*0.41*	
		For >1,536, Deduct	*-0.16*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	2.57	0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.83*	
		For >128 To 320, Add	*0.50*	
		For >1,536, Deduct	*-0.23*	
09 29 10 00-0018		Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*		
		Note: Includes clips and adhesive.		
09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	3.90	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.30*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.60*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.02*	
		For >128 To 320, Add	*0.57*	
		For >1,536, Deduct	*-0.47*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	4.08	0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.34*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.69*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*1.09*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.47*	
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	4.29	0.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.39*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.18*	
		For >128 To 320, Add	*0.67*	
		For >1,536, Deduct	*-0.48*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.67	0.69
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*1.24*	
		For >128 To 320, Add	*0.70*	
		For >1,536, Deduct	*-0.55*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	6.91	0.79
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.45*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.88*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*1.73*	
		For >128 To 320, Add	*0.95*	
		For >1,536, Deduct	*-0.86*	
09 29 10 00-0024		Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.31	0.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.33*	
		For Adhesive Applied Sheets, Add	*0.13*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.47*	
		For Horizontal Installation >10' High, Add	*0.69*	
		For Walls >10' High, Add	*0.11*	
		For Up To 128, Add	*0.74*	
		For >128 To 320, Add	*0.44*	
		For >1,536, Deduct	*-0.21*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	2.73	0.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.86*	
		For >128 To 320, Add	*0.51*	
		For >1,536, Deduct	*-0.25*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.72	0.66
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.36*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Walls >10' High, Add	*0.12*	
		For Up To 128, Add	*0.85*	
		For >128 To 320, Add	*0.50*	
		For >1,536, Deduct	*-0.26*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	3.06	0.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.42*	
		For Adhesive Applied Sheets, Add	*0.15*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.88*	
		For Walls >10' High, Add	*0.14*	
		For Up To 128, Add	*0.96*	
		For >128 To 320, Add	*0.57*	
		For >1,536, Deduct	*-0.28*	
09 29 10 00-0029		**Impact Resistant Gypsum Board** *(09 29 10 00-0001)* Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	4.33	0.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.39*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.79*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.18*	
		For >128 To 320, Add	*0.67*	
		For >1,536, Deduct	*-0.49*	
09 29 10 00-0031		**Abuse Resistant Gypsum Board** *(09 29 10 00-0001)* Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant		
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	2.80	0.76
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.38*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.79*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*0.88*	
		For >128 To 320, Add	*0.52*	
		For >1,536, Deduct	*-0.26*	
09 29 10 00-0033		**Noise Reducing Gypsum Board** *(09 29 10 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	5.03	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.40*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.33*	
		For >128 To 320, Add	*0.74*	
		For >1,536, Deduct	*-0.59*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	6.01	0.80
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.41*	
		For Adhesive Applied Sheets, Add	*0.14*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.54*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Walls >10' High, Add	*0.13*	
		For Up To 128, Add	*1.52*	
		For >128 To 320, Add	*0.84*	
		For >1,536, Deduct	*-0.74*	

09 29 10 00-0036 Finishing Gypsum Board Applications *(09 29 10)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.86	
		For Up To 128, Add	*0.33*	
		For >128 To 320, Add	*0.20*	
		For >5,400, Deduct	*-0.09*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.40*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.20*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.63*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.63*	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	1.14	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	*0.44*	
		For >128 To 320, Add	*0.27*	
		For >5,400, Deduct	*-0.11*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.54*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.27*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.11*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.84*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.84*	

09 29 10 00-0040 Finish Gypsum Board Ceilings, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.12	
		For Up To 128, Add	*0.43*	
		For >128 To 320, Add	*0.27*	
		For >5,400, Deduct	*-0.11*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.53*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.27*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.11*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.83*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.83*	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	1.49	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	*0.58*	
		For >128 To 320, Add	*0.36*	
		For >5,400, Deduct	*-0.15*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.72*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.36*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.10*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*1.10*	

09 29 10 00-0043 Finish Gypsum Board Vertical Corners, ASTM C840 Level 4 *(09 29 10 00-0036)*

Note: Inside or outside gypsum board corners.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.72	
		For ASTM C840 Level 1 Finish, Deduct	*-0.79*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.40*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.26*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	2.05	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	*-0.96*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.48*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.19*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.50*	
09 29 10 00-0046		Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4 *(09 29 10 00-0036)*		
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.99	
		For ASTM C840 Level 1 Finish, Deduct	*-0.93*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.46*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.19*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.46*	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	2.38	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	*-1.12*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.56*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.23*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.75*	
09 29 10 00-0049		Casing And Corner Beads *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	5.10	1.34
		For Up To 100, Add	*0.40*	
		For >500, Deduct	*-0.26*	
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	4.68	1.34
		For Up To 100, Add	*0.32*	
		For >500, Deduct	*-0.23*	
09 29 10 00-0052		Preformed Architectural Profiles *(09 29 10)*		
09 29 10 00-0053		Trim Reveals For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.43	1.60
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.47	1.60
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.67	1.60
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.77	1.60
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.02	1.60
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.27	1.60
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.51	1.60
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.31	1.60
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.10	1.60
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.60	1.74
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.60	1.74
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.14	1.74
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.24	1.74
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.59	1.74
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.73	1.74
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	7.93	1.74
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.82	1.74
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.71	1.74
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	13.30	2.00
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	14.78	2.00
09 29 10 00-0074		Edge Trim For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	5.91	1.67
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	6.31	1.67
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	7.37	1.84
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	7.73	2.00
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	10.86	1.67
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	11.26	1.67
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.32	1.84
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	12.68	2.00
09 29 10 00-0083		Bevel Trim For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	6.31	1.67
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	7.22	1.84
09 29 10 00-0086		Trim/Wainscot Caps For Gypsum Board *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	8.57	2.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.09	1.07
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.19	1.20
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.13	1.34
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.59	1.47
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.01	1.60
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.16	1.60
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.60	1.60
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.44	1.60
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.74	1.60
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.59	1.74
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	7.68	1.74
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.23	1.74
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.48	1.74
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.67	1.74
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.92	1.74
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	9.27	1.74
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.16	1.74
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.90	1.74
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	13.27	1.74
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	17.83	1.74
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.38	1.74
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	12.78	1.74
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.12	1.74
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	14.26	1.74
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	16.19	1.74
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	13.32	1.74
09 29 10 00-0115		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	9.47	2.40
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	10.85	2.67
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.36	3.20
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	12.59	3.47
09 29 10 00-0120		**Double Fin Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.80	1.60
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.90	1.60
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.00	1.60
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.00	1.60
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.44	1.60
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.64	1.58
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.84	1.60
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.28	1.60
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.03	1.60
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.82	1.60
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.32	1.74
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.42	1.74
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	9.61	1.74
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.06	1.74
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.26	1.74
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.41	1.74
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.90	1.74
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.69	1.74
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.48	1.74
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	14.61	1.74
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.06	1.74
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	17.15	1.89
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	19.53	2.31
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	20.17	2.31
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	15.58	1.58
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	14.53	2.31
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	10.43	1.58
09 29 10 00-0148		**Special Conditions Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0149		**Radius Conditions** *(09 29 10 00-0148)*		
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	123.67	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	123.67	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	123.67	
09 29 10 00-0153		**Knee Brace Kit** *(09 29 10 00-0148)*		
09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	270.80	16.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0155		**Wall Bumper Rail** *(09 29 10 00-0148)*		
09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	38.07	6.67
09 29 10 00-0157		**Corners For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.16	1.60
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.72	1.74
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.67	1.81
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	10.77	1.89
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.05	2.31
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	15.10	2.60
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.32	2.98
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	22.24	3.48
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	30.53	4.64
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	8.14	1.55
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	14.86	2.08
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	10.75	2.08
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	19.21	2.08
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	27.27	2.60
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	26.18	2.60
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	8.03	1.81
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	8.08	1.74
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.11	1.60
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	8.53	1.74
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	11.41	1.89
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.04	1.60
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	10.60	1.74
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	15.46	1.89
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	16.96	1.60
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	29.21	3.48
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	31.19	3.48
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	57.69	5.79
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	95.56	8.20
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	9.70	1.78
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	11.06	1.87
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	13.30	2.28
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	16.29	2.56
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	23.02	2.94
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	24.91	3.43
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	28.36	4.56
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.08	3.43
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	18.33	3.43
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	19.91	3.43
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	20.41	3.43

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001 Shaft Wall *(09 29 82)*

See CSI section 09 29 10 00-0036 for finishing drywall.

09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	8.22	3.34
		For Horizontal Installation Up To 10' High, Add	*2.27*	
		For Horizontal Installation >10' High, Add	*3.34*	
		For Walls >10' High, Add	*0.53*	
		For Up To 128, Add	*2.98*	
		For >128 To 320, Add	*1.82*	
		For >1,536, Deduct	*-0.57*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	9.60	4.00
		For Horizontal Installation Up To 10' High, Add	*2.72*	
		For Horizontal Installation >10' High, Add	*4.01*	
		For Walls >10' High, Add	*0.64*	
		For Up To 128, Add	*3.52*	
		For >128 To 320, Add	*2.16*	
		For >1,536, Deduct	*-0.64*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	8.83	2.57
		For Horizontal Installation Up To 10' High, Add	*1.75*	
		For Horizontal Installation >10' High, Add	*2.57*	
		For Walls >10' High, Add	*0.41*	
		For Up To 128, Add	*2.79*	
		For >128 To 320, Add	*1.65*	
		For Glass Mat Surfaces, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	9.54	2.70
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.83*	
		For Horizontal Installation >10' High, Add	*2.70*	
		For Walls >10' High, Add	*0.43*	
		For Up To 128, Add	*2.99*	
		For >128 To 320, Add	*1.76*	
		For Glass Mat Surfaces, Add	*0.33*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	10.72	2.70
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.83*	
		For Horizontal Installation >10' High, Add	*2.70*	
		For Walls >10' High, Add	*0.43*	
		For Up To 128, Add	*3.22*	
		For >128 To 320, Add	*1.88*	
		For Glass Mat Surfaces, Add	*0.33*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	11.47	2.83
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.92*	
		For Horizontal Installation >10' High, Add	*2.83*	
		For Walls >10' High, Add	*0.45*	
		For Up To 128, Add	*3.43*	
		For >128 To 320, Add	*2.00*	
		For Glass Mat Surfaces, Add	*0.33*	

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	17.14	2.97
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*8.73*	
		For >50 To 250, Add	*1.19*	
		For >1,000, Deduct	*-0.59*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.35*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.53*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile	11.77	2.97
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*7.39*	
		For >50 To 250, Add	*1.19*	
		For >1,000, Deduct	*-0.59*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.35*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.53*	
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile	13.26	1.85
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*8.88*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.75*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	18.40	3.59
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*9.99*	
		For >50 To 250, Add	*1.44*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.54*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.72*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Ceramic Wall Tile	13.03	3.59
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*8.65*	
		For >50 To 250, Add	*1.44*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.54*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.72*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile	14.94	2.28
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*10.56*	
		For >50 To 250, Add	*1.82*	
		For >1,000, Deduct	*-0.91*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.83*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	18.31	6.23
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.33*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.51*	
		For Up To 50, Add	*13.93*	
		For >50 To 250, Add	*2.49*	
		For >1,000, Deduct	*-1.25*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceramic Ceiling Tile Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	20.81	3.74
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.71*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.89*	
		For Up To 50, Add	*16.43*	
		For >50 To 250, Add	*2.99*	
		For >1,000, Deduct	*-1.50*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.	11.84	2.59
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.79*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.88*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	20.33	2.59
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.79*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.88*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	23.04	2.59
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.79*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.88*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	18.98	0.57
09 30 13 00-0014		**Residential Ceramic Tiling** *(09 30 13)*		
09 30 13 00-0015	SF	Mounted Ceramic Floor Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	9.61	2.97
		For Up To 50, Add	*6.85*	
		For >50 To 250, Add	*1.19*	
		For >1,000, Deduct	*-0.59*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.35*	
09 30 13 00-0016	SF	Mounted Ceramic Wall Tile, Residential Grade Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.	10.87	3.59
		For Up To 50, Add	*8.11*	
		For >50 To 250, Add	*1.44*	
		For >1,000, Deduct	*-0.72*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.54*	
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.	11.89	2.97
		For Up To 50, Add	*7.42*	
		For >50 To 250, Add	*1.19*	
		For >1,000, Deduct	*-0.59*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.35*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile Note: With or without embedded abrasive grit.	12.65	2.09
		For Up To 50, Add	*9.40*	
		For >50 To 250, Add	*1.66*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.71*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.89*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	26.38	2.09
		For Up To 50, Add	*12.83*	
		For >50 To 250, Add	*1.66*	
		For >1,000, Deduct	*-0.83*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.71*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.89*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile Note: With or without embedded abrasive grit.	14.31	2.47
		For Up To 50, Add	*11.06*	
		For >50 To 250, Add	*1.99*	
		For >1,000, Deduct	*-1.00*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.96*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.14*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	28.04	2.47
		For Up To 50, Add	*14.49*	
		For >50 To 250, Add	*1.99*	
		For >1,000, Deduct	*-1.00*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.96*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.14*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	17.86	2.74
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.87*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.96*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	40.37	2.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.87*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.96*	

09 30 33 Stone Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile *(09 30 33)*

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	11.40	1.85
		For Up To 50, Add	*8.42*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	11.77	1.85
		For Up To 50, Add	*8.51*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	11.97	1.85
		For Up To 50, Add	*8.56*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	12.06	1.85
		For Up To 50, Add	*8.58*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	12.11	1.85
		For Up To 50, Add	*8.59*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	12.20	1.85
		For Up To 50, Add	*8.62*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	12.40	1.85
		For Up To 50, Add	*8.67*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	13.69	1.85
		For Up To 50, Add	*8.99*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	13.83	1.85
		For Up To 50, Add	*9.02*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	14.10	1.85
		For Up To 50, Add	*9.09*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	14.40	1.85
		For Up To 50, Add	*9.17*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	14.61	1.85
		For Up To 50, Add	*9.22*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	15.33	1.85
		For Up To 50, Add	*9.40*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	16.66	1.85
		For Up To 50, Add	*9.73*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	16.75	1.85
		For Up To 50, Add	*9.75*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	17.74	1.85
		For Up To 50, Add	*10.00*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	18.08	1.85
		For Up To 50, Add	*10.09*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0019	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	18.23	1.85
		For Up To 50, Add	*10.12*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0020	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	18.45	1.85
		For Up To 50, Add	*10.18*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0021	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	20.30	1.85
		For Up To 50, Add	*10.64*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0022	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	21.35	1.85
		For Up To 50, Add	*10.90*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0023	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	21.64	1.85
		For Up To 50, Add	*10.98*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0024	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	21.78	1.85
		For Up To 50, Add	*11.01*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0025 Granite Floor Tile *(09 30 33)*

09 30 33 00-0026	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	10.41	1.85
		For Up To 50, Add	*8.17*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0027	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	11.12	1.85
		For Up To 50, Add	*8.35*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0028	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	11.69	1.85
		For Up To 50, Add	*8.49*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0029	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	13.96	1.85
		For Up To 50, Add	*9.06*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0030	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	14.40	1.85
		For Up To 50, Add	*9.17*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0031	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	14.81	1.85
		For Up To 50, Add	*9.27*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0032	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	15.24	1.85
		For Up To 50, Add	*9.38*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0033	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	15.75	1.85
		For Up To 50, Add	*9.50*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	16.24	1.85
		For Up To 50, Add	*9.63*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	16.75	1.85
		For Up To 50, Add	*9.75*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	17.23	1.85
		For Up To 50, Add	*9.87*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	17.80	1.85
		For Up To 50, Add	*10.02*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	18.37	1.85
		For Up To 50, Add	*10.16*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	20.36	1.85
		For Up To 50, Add	*10.66*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0040		Slate Floor Tile *(09 30 33)*		
09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	9.55	1.85
		For Up To 50, Add	*7.95*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	9.92	1.85
		For Up To 50, Add	*8.05*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	10.12	1.85
		For Up To 50, Add	*8.10*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	10.12	1.85
		For Up To 50, Add	*8.10*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	10.26	1.85
		For Up To 50, Add	*8.13*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	10.69	1.85
		For Up To 50, Add	*8.24*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	11.12	1.85
		For Up To 50, Add	*8.35*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	11.26	1.85
		For Up To 50, Add	*8.38*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0049 Travertine Floor Tile *(09 30 33)*

09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	11.12	1.85
		For Up To 50, Add	*8.35*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	11.54	1.85
		For Up To 50, Add	*8.45*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	11.83	1.85
		For Up To 50, Add	*8.52*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	12.25	1.85
		For Up To 50, Add	*8.63*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	12.40	1.85
		For Up To 50, Add	*8.67*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	12.54	1.85
		For Up To 50, Add	*8.70*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	13.90	1.85
		For Up To 50, Add	*9.04*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0057 Limestone Floor Tile *(09 30 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	13.82	1.85
		For Up To 50, Add	*9.02*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	14.25	1.85
		For Up To 50, Add	*9.13*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	16.46	1.85
		For Up To 50, Add	*9.68*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	17.80	1.85
		For Up To 50, Add	*10.02*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jersusalem Bone"	17.80	1.85
		For Up To 50, Add	*10.02*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	18.23	1.85
		For Up To 50, Add	*10.12*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	19.79	1.85
		For Up To 50, Add	*10.51*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.57*	
		For Heavy-Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.74	0.98
		For Up To 50, Add	*1.55*	
		For >50 To 250, Add	*0.30*	
		For >1,000, Deduct	*-0.15*	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.95	
		For Up To 50, Add	*0.95*	
		For >50 To 250, Add	*0.19*	
		For >1,000, Deduct	*-0.10*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15 Lb. felt and wire reinforcement.	4.46	1.98
		For Up To 50, Add	*3.34*	
		For >50 To 250, Add	*0.59*	
		For >1,000, Deduct	*-0.30*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15 Lb. felt and wire reinforcement.	6.38	2.64
		For Up To 50, Add	*4.57*	
		For >50 To 250, Add	*0.79*	
		For >1,000, Deduct	*-0.40*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls Note: Includes 15 Lb. felt and expanded metal lath.	14.25	5.93
		For Up To 50, Add	*12.47*	
		For >50 To 250, Add	*2.37*	
		For >1,000, Deduct	*-1.19*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-2.16*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,415.09	
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,646.35	
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	2,447.64	

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	171.58	
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	164.51	

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	359.61	
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	724.96	
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	895.46	
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	651.89	
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	724.96	
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	773.68	

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	305.54	
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	305.54	
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	476.04	

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	5.26	
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene (HDPE) Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	6.11	

09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*

09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	4.60	

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001 Chemical-Resistant Ceramic Tiling *(09 35 13)*

09 35 13 00-0002	SF	Thin Set - Epoxy Mortar Note: Impact and chemical resistant.	6.05	1.31
		For Up To 50, Add	*3.00*	
		For >50 To 250, Add	*0.40*	
		For >1,000, Deduct	*-0.20*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001 Tile Waterproofing And Crack Prevention *(09 39)*

09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane; RedGard	130.99	

09 39 00 00-0003 Waterproof Strip Membranes (Schluter® KERDI) *(09 39)*

09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	5.53	
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	12.01	

09 39 00 00-0006 Coved Shaped Transition Profiles For Floor To Wall For Tile *(09 39)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	7.88	
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	7.86	
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	8.16	
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.48	
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	7.79	
09 39 00 00-0012		Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile *(09 39)*		
09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.47	
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	16.95	
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	17.48	
09 39 00 00-0016		Tile Substrate (Schluter® KERDI BOARD) *(09 39)*		
09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	9.90	0.94
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	11.14	1.07
09 39 00 00-0019		Floor Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.01	
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.14	
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.27	
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	4.50	
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.39	
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.57	
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.70	
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	5.84	
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	4.22	
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	5.84	
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.42	
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	5.71	
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	6.00	
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	7.29	
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.61	
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	5.90	
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	7.21	
09 39 00 00-0037		Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.58	
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	5.89	
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.34	
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	6.80	
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.20	
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	6.78	
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	7.35	
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	8.36	

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

Note: Includes square or tegular edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.18	0.53
		For Up To 50, Add	*2.07*	
		For >50 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.73*	
		For Individual Room Quantities <495, Add	*1.26*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.12	0.53
		For Up To 50, Add	*2.06*	
		For >50 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.54*	
		For >2,500 To 4,000, Deduct	*-0.23*	
		For >4,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.73*	
		For Individual Room Quantities <495, Add	*1.26*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.71	0.66
		For Up To 50, Add	*2.20*	
		For >50 To 200, Add	*1.35*	
		For >200 To 500, Add	*0.58*	
		For >2,500 To 4,000, Deduct	*-0.24*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.78*	
		For Individual Room Quantities <495, Add	*1.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	9.81	0.66
		For Up To 50, Add	*2.22*	
		For >50 To 200, Add	*1.36*	
		For >200 To 500, Add	*0.58*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.78*	
		For Individual Room Quantities <495, Add	*1.36*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355)	10.08	0.66
		For Up To 50, Add	*2.26*	
		For >50 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.80*	
		For Individual Room Quantities <495, Add	*1.38*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353)	10.07	0.66
		For Up To 50, Add	*2.26*	
		For >50 To 200, Add	*1.38*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.80*	
		For Individual Room Quantities <495, Add	*1.38*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0009	SF	2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.49	0.66
		For Up To 50, Add	*2.32*	
		For >50 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.83*	
		For Individual Room Quantities <495, Add	*1.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0010	SF	2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.48	0.66
		For Up To 50, Add	*2.32*	
		For >50 To 200, Add	*1.42*	
		For >200 To 500, Add	*0.62*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.52*	
		For >5,000, Deduct	*-0.83*	
		For Individual Room Quantities <495, Add	*1.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.14*	

09 51 13 00-0011 Mineral Fiber Panels *(09 51 13)*

09 51 13 00-0012 Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0011)*

Note: Includes square or tegular edge and class A fire rating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.60	0.53
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.61*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.61*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured)	2.58	0.81
		For Up To 50, Add	*1.08*	
		For >50 To 200, Add	*0.60*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.60*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.06	0.53
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.05	0.80
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0017	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.37	0.53
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0018	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega)	3.37	0.53
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0019	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.61	0.80
		For Up To 50, Add	*1.23*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0020	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.62	0.80
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0021	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard)	3.94	0.80
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0022	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.35	0.53
		For Up To 50, Add	*1.19*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0023	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.33	0.80
		For Up To 50, Add	*1.19*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.25*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0024	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer)	3.83	0.53
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0025	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.06	0.53
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0026	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.05	0.53
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0027	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	3.37	0.53
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.68*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.68*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0028	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.09	0.53
		For Up To 50, Add	*1.16*	
		For >50 To 200, Add	*0.66*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.66*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0029	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.08	0.53
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.27*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0030	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.53	0.53
		For Up To 50, Add	*1.22*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0031	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.53	0.53
		For Up To 50, Add	*1.22*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.70*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.71	0.53
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0033	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.35	0.53
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0034	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.61	0.53
		For Up To 50, Add	*1.23*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0035	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	4.37	0.53
		For Up To 50, Add	*1.35*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0036	SF	30" x 60"' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.40	0.53
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0037	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.71	0.80
		For Up To 50, Add	*1.25*	
		For >50 To 200, Add	*0.72*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.72*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0038	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	3.64	0.80
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.71*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.32*	
		For Individual Room Quantities <495, Add	*0.71*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0039	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.09	0.80
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0040	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard)	4.09	0.80
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0041	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured)	9.66	0.94
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0042	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.90	0.53
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0043	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	3.89	0.53
		For Up To 50, Add	*1.28*	
		For >50 To 200, Add	*0.74*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.74*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0044	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.56	0.53
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0045	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	4.17	0.53
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0046	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.11	0.53
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0047	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.11	0.53
		For Up To 50, Add	*1.31*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.35*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0048	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.32	0.53
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.30*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.37*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0049	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.49	0.53
		For Up To 50, Add	*1.37*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0050	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.73	0.53
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0051	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard)	4.69	0.53
		For Up To 50, Add	*1.40*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.32*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.56	0.80
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.56	0.80
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.39*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.93	0.53
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.41*	
		For Individual Room Quantities <495, Add	*0.84*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.82	0.53
		For Up To 50, Add	*1.42*	
		For >50 To 200, Add	*0.83*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.40*	
		For Individual Room Quantities <495, Add	*0.83*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.90	0.80
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.94*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.85	0.80
		For Up To 50, Add	*1.57*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.48*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.90	0.80
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.94*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.49*	
		For Individual Room Quantities <495, Add	*0.94*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.85	0.80
		For Up To 50, Add	*1.57*	
		For >50 To 200, Add	*0.93*	
		For >200 To 500, Add	*0.38*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.29*	
		For >5,000, Deduct	*-0.48*	
		For Individual Room Quantities <495, Add	*0.93*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	6.46	0.53
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0061	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.41	0.80
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.52*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0062	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.39	0.80
		For Up To 50, Add	*1.65*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.52*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0063	SF	2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.90	0.53
		For Up To 50, Add	*1.73*	
		For >50 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.04*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0064	SF	2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra)	6.90	0.53
		For Up To 50, Add	*1.73*	
		For >50 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.56*	
		For Individual Room Quantities <495, Add	*1.04*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0065	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.43	0.53
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0066	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.43	0.53
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0067	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.43	0.53
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0068	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	6.43	0.53
		For Up To 50, Add	*1.66*	
		For >50 To 200, Add	*0.99*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.16*	
		For >4,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.53*	
		For Individual Room Quantities <495, Add	*0.99*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0069	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.92	0.66
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.07*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.92	0.66
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.07*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.92	0.66
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.07*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	6.92	0.66
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.44*	
		For >2,500 To 4,000, Deduct	*-0.17*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.57*	
		For Individual Room Quantities <495, Add	*1.07*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.24	0.53
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.59*	
		For Individual Room Quantities <495, Add	*1.07*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.24	0.53
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.59*	
		For Individual Room Quantities <495, Add	*1.07*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	7.24	0.53
		For Up To 50, Add	*1.78*	
		For >50 To 200, Add	*1.07*	
		For >200 To 500, Add	*0.45*	
		For >2,500 To 4,000, Deduct	*-0.18*	
		For >4,000 To 5,000, Deduct	*-0.36*	
		For >5,000, Deduct	*-0.59*	
		For Individual Room Quantities <495, Add	*1.07*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.22	0.53
		For Up To 50, Add	*1.98*	
		For >50 To 200, Add	*1.20*	
		For >200 To 500, Add	*0.50*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.66*	
		For Individual Room Quantities <495, Add	*1.20*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.10	0.53
		For Up To 50, Add	*1.96*	
		For >50 To 200, Add	*1.18*	
		For >200 To 500, Add	*0.50*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.65*	
		For Individual Room Quantities <495, Add	*1.18*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0078	SF	2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	8.16	0.53
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.19*	
		For >200 To 500, Add	*0.50*	
		For >2,500 To 4,000, Deduct	*-0.20*	
		For >4,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.66*	
		For Individual Room Quantities <495, Add	*1.19*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0079	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.64	0.53
		For Up To 50, Add	*1.84*	
		For >50 To 200, Add	*1.11*	
		For >200 To 500, Add	*0.47*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.62*	
		For Individual Room Quantities <495, Add	*1.11*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0080	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL)	7.50	0.53
		For Up To 50, Add	*1.82*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.46*	
		For >2,500 To 4,000, Deduct	*-0.19*	
		For >4,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.61*	
		For Individual Room Quantities <495, Add	*1.10*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0081	SF	2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.31	0.66
		For Up To 50, Add	*1.99*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0082	SF	2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.31	0.66
		For Up To 50, Add	*1.99*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0083	SF	2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.31	0.53
		For Up To 50, Add	*1.99*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0084	SF	2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla)	8.31	0.66
		For Up To 50, Add	*1.99*	
		For >50 To 200, Add	*1.21*	
		For >200 To 500, Add	*0.51*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.67*	
		For Individual Room Quantities <495, Add	*1.21*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.84*	
		For Ceilings >10' High, Add	*0.14*	
09 51 13 00-0085	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617)	2.99	0.53
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0086	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627)	3.08	0.53
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	
09 51 13 00-0087	SF	2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742)	4.59	0.53
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Vertical Application, Add	*0.78*	
		For Ceilings >10' High, Add	*0.13*	

09 51 13 00-0088 Wood Fiber Panels *(09 51 13)*

09 51 13 00-0089	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.63	0.80
		For Up To 50, Add	*2.25*	
		For >50 To 200, Add	*1.34*	
		For >200 To 500, Add	*0.55*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.43*	
		For >5,000, Deduct	*-0.71*	
		For Individual Room Quantities <495, Add	*1.34*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	
09 51 13 00-0090	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	8.38	0.80
		For Up To 50, Add	*2.11*	
		For >50 To 200, Add	*1.26*	
		For >200 To 500, Add	*0.53*	
		For >2,500 To 4,000, Deduct	*-0.21*	
		For >4,000 To 5,000, Deduct	*-0.42*	
		For >5,000, Deduct	*-0.68*	
		For Individual Room Quantities <495, Add	*1.26*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	
09 51 13 00-0091	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.42	0.80
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.62*	
		For >200 To 500, Add	*0.69*	
		For >2,500 To 4,000, Deduct	*-0.29*	
		For >4,000 To 5,000, Deduct	*-0.57*	
		For >5,000, Deduct	*-0.92*	
		For Individual Room Quantities <495, Add	*1.62*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	
09 51 13 00-0092	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	11.17	0.80
		For Up To 50, Add	*2.53*	
		For >50 To 200, Add	*1.54*	
		For >200 To 500, Add	*0.67*	
		For >2,500 To 4,000, Deduct	*-0.28*	
		For >4,000 To 5,000, Deduct	*-0.56*	
		For >5,000, Deduct	*-0.89*	
		For Individual Room Quantities <495, Add	*1.54*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	
09 51 13 00-0093	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	14.12	0.80
		For Up To 50, Add	*3.07*	
		For >50 To 200, Add	*1.89*	
		For >200 To 500, Add	*0.83*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.71*	
		For >5,000, Deduct	*-1.12*	
		For Individual Room Quantities <495, Add	*1.89*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0094	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	13.87	0.80
		For Up To 50, Add	*2.93*	
		For >50 To 200, Add	*1.81*	
		For >200 To 500, Add	*0.80*	
		For >2,500 To 4,000, Deduct	*-0.35*	
		For >4,000 To 5,000, Deduct	*-0.69*	
		For >5,000, Deduct	*-1.09*	
		For Individual Room Quantities <495, Add	*1.81*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	
09 51 13 00-0095	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	10.27	0.80
		For Up To 50, Add	*2.49*	
		For >50 To 200, Add	*1.50*	
		For >200 To 500, Add	*0.63*	
		For >2,500 To 4,000, Deduct	*-0.26*	
		For >4,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.83*	
		For Individual Room Quantities <495, Add	*1.50*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.18*	
09 51 13 00-0096	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	10.02	0.80
		For Up To 50, Add	*2.36*	
		For >50 To 200, Add	*1.43*	
		For >200 To 500, Add	*0.61*	
		For >2,500 To 4,000, Deduct	*-0.25*	
		For >4,000 To 5,000, Deduct	*-0.50*	
		For >5,000, Deduct	*-0.80*	
		For Individual Room Quantities <495, Add	*1.43*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Ceilings >10' High, Add	*0.16*	

09 51 13 00-0097 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0098	SF	Removal And Reinstallation Of Acoustical Panels Only	2.73	
		For Up To 50, Add	*1.50*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.27*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.14*	
		For >5,000, Deduct	*-0.27*	
		For Ceilings >10' High, Add	*0.20*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	6.66	1.47
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.34*	
		For >50 To 200, Add	*1.33*	
		For >200 To 500, Add	*0.50*	
		For >2,500, Deduct	*-0.33*	
		For Ceilings >10' High, Add	*0.25*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	7.91	1.47
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.52*	
		For >50 To 200, Add	*1.46*	
		For >200 To 500, Add	*0.56*	
		For >2,500, Deduct	*-0.40*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.25*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	8.90	1.47
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.67*	
		For >50 To 200, Add	*1.56*	
		For >200 To 500, Add	*0.61*	
		For >2,500, Deduct	*-0.45*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.52*	
		For Ceilings >10' High, Add	*0.25*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	6.14	1.47
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*2.26*	
		For >50 To 200, Add	*1.28*	
		For >200 To 500, Add	*0.47*	
		For >2,500, Deduct	*-0.31*	
		For Ceilings >10' High, Add	*0.25*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0001		Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	24.16	1.17
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	25.85	1.17
09 51 33 13-0004		Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*		
09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.01	1.34
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.56	1.34
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.80	1.34
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	27.08	1.34
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.02	1.34
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	29.77	1.34
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	59.35	1.34
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.86	1.34
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	24.51	1.34
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.24	1.34
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	65.96	1.34
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.90	1.34
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.96	1.34
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	33.02	1.34
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	68.20	1.34
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.68	1.34
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.15	1.34
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.27	1.34
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	64.50	1.34
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	31.12	1.34
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	23.83	1.34
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.72	1.34
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	66.85	1.34
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	32.12	1.34
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.54	1.34
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.95	1.34
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	56.08	1.34
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.60	1.34
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.66	1.34
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	26.72	1.34
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	56.19	1.34
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	25.60	1.34

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	18.80	1.01
		For Up To 50, Add	*3.62*	
		For >50 To 200, Add	*2.28*	
		For >200 To 500, Add	*1.04*	
		For >2,500 To 4,000, Deduct	*-0.47*	
		For >4,000 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.46*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.33	1.01
		For Up To 50, Add	*4.00*	
		For >50 To 200, Add	*2.53*	
		For >200 To 500, Add	*1.17*	
		For >2,500 To 4,000, Deduct	*-0.53*	
		For >4,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.65*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	31.41	1.01
		For Up To 50, Add	*5.51*	
		For >50 To 200, Add	*3.54*	
		For >200 To 500, Add	*1.67*	
		For >2,500 To 4,000, Deduct	*-0.79*	
		For >4,000 To 5,000, Deduct	*-1.57*	
		For >5,000, Deduct	*-2.41*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	26.65	1.01
		For Up To 50, Add	*4.80*	
		For >50 To 200, Add	*3.07*	
		For >200 To 500, Add	*1.43*	
		For >2,500 To 4,000, Deduct	*-0.67*	
		For >4,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-2.05*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.61	1.01
		For Up To 50, Add	*5.09*	
		For >50 To 200, Add	*3.26*	
		For >200 To 500, Add	*1.53*	
		For >2,500 To 4,000, Deduct	*-0.72*	
		For >4,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-2.20*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	45.13	1.01
		For Up To 50, Add	*7.57*	
		For >50 To 200, Add	*4.91*	
		For >200 To 500, Add	*2.36*	
		For >2,500 To 4,000, Deduct	*-1.13*	
		For >4,000 To 5,000, Deduct	*-2.26*	
		For >5,000, Deduct	*-3.43*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.17	1.01
		For Up To 50, Add	*5.03*	
		For >50 To 200, Add	*3.22*	
		For >200 To 500, Add	*1.51*	
		For >2,500 To 4,000, Deduct	*-0.70*	
		For >4,000 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-2.16*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.98	1.01
		For Up To 50, Add	*6.05*	
		For >50 To 200, Add	*3.90*	
		For >200 To 500, Add	*1.85*	
		For >2,500 To 4,000, Deduct	*-0.87*	
		For >4,000 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.67*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.33	1.01
		For Up To 50, Add	*5.05*	
		For >50 To 200, Add	*3.23*	
		For >200 To 500, Add	*1.52*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.42*	
		For >5,000, Deduct	*-2.17*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.19	1.01
		For Up To 50, Add	*6.08*	
		For >50 To 200, Add	*3.92*	
		For >200 To 500, Add	*1.86*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.76*	
		For >5,000, Deduct	*-2.69*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.47	1.01
		For Up To 50, Add	*5.07*	
		For >50 To 200, Add	*3.25*	
		For >200 To 500, Add	*1.52*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.42*	
		For >5,000, Deduct	*-2.19*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.05	1.01
		For Up To 50, Add	*6.06*	
		For >50 To 200, Add	*3.91*	
		For >200 To 500, Add	*1.85*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.75*	
		For >5,000, Deduct	*-2.68*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.47	1.01
		For Up To 50, Add	*5.07*	
		For >50 To 200, Add	*3.25*	
		For >200 To 500, Add	*1.52*	
		For >2,500 To 4,000, Deduct	*-0.71*	
		For >4,000 To 5,000, Deduct	*-1.42*	
		For >5,000, Deduct	*-2.19*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.33	1.01
		For Up To 50, Add	*6.10*	
		For >50 To 200, Add	*3.93*	
		For >200 To 500, Add	*1.87*	
		For >2,500 To 4,000, Deduct	*-0.88*	
		For >4,000 To 5,000, Deduct	*-1.77*	
		For >5,000, Deduct	*-2.70*	
		For Ceilings >10' High, Add	*0.15*	

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	24.32	1.01
		For Up To 50, Add	*4.45*	
		For >50 To 200, Add	*2.83*	
		For >200 To 500, Add	*1.32*	
		For >2,500 To 4,000, Deduct	*-0.61*	
		For >4,000 To 5,000, Deduct	*-1.22*	
		For >5,000, Deduct	*-1.87*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.02	1.01
		For Up To 50, Add	*5.15*	
		For >50 To 200, Add	*3.30*	
		For >200 To 500, Add	*1.55*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.45*	
		For >5,000, Deduct	*-2.23*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.15	1.01
		For Up To 50, Add	*5.47*	
		For >50 To 200, Add	*3.52*	
		For >200 To 500, Add	*1.66*	
		For >2,500 To 4,000, Deduct	*-0.78*	
		For >4,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.39*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.25	1.01
		For Up To 50, Add	*5.19*	
		For >50 To 200, Add	*3.33*	
		For >200 To 500, Add	*1.56*	
		For >2,500 To 4,000, Deduct	*-0.73*	
		For >4,000 To 5,000, Deduct	*-1.46*	
		For >5,000, Deduct	*-2.24*	
		For Ceilings >10' High, Add	*0.15*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.03	1.01
		For Up To 50, Add	*5.30*	
		For >50 To 200, Add	*3.40*	
		For >200 To 500, Add	*1.60*	
		For >2,500 To 4,000, Deduct	*-0.75*	
		For >4,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-2.30*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.82	1.01
		For Up To 50, Add	*5.57*	
		For >50 To 200, Add	*3.58*	
		For >200 To 500, Add	*1.69*	
		For >2,500 To 4,000, Deduct	*-0.80*	
		For >4,000 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-2.44*	
		For Ceilings >10' High, Add	*0.15*	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.71	1.01
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.95	1.01
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	28.24	1.01
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.17	1.01
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.86	1.01
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	30.81	1.01

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 13 Curved Profile Ceiling Suspension *(09 53)*

09 53 13 00-0001 Perimeter Trim *(09 53 13)*

09 53 13 00-0002	LF	2" Straight Section Axiom Perimeter Trim	24.40	
09 53 13 00-0003	LF	4" Straight Section Axiom Perimeter Trim	29.75	
09 53 13 00-0004	LF	6" Straight Section Axiom Perimeter Trim	33.32	
09 53 13 00-0005	EA	2" Corner Section Axiom Perimeter Trim	44.99	
09 53 13 00-0006	EA	4" Corner Section Axiom Perimeter Trim	57.84	
09 53 13 00-0007	EA	6" Corner Section Axiom Perimeter Trim	65.34	

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension Systems *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	5.39	0.66
		For Fastening To Concrete, Add	*1.57*	
		For Fastening To Steel, Add	*1.71*	
		For Vertical Application, Add	*2.54*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF. Other quantity discounts would apply.*	*0.56*	
		For Up To 50, Add	*1.97*	
		For >50 To 200, Add	*1.12*	
		For >200 To 500, Add	*0.41*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.32*	
		For Ceilings >10' High, Add	*0.22*	
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	4.33	0.66
		For UL Listed (Fire Guard), Add	*0.29*	
		For 1-1/2" Wide Faced Grid, Add	*0.53*	
		For Fastening To Concrete, Add	*1.52*	
		For Fastening To Steel, Add	*1.66*	
		For Vertical Application, Add	*2.12*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF. Other quantity discounts would apply.*	*0.46*	
		For Aluminum T-Bar System, Add	*0.86*	
		For Up To 50, Add	*1.62*	
		For >50 To 200, Add	*0.92*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.26*	
		For Ceilings >10' High, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.62	0.66
		For UL Listed (Fire Guard), Add	*0.21*	
		For 1-1/2" Wide Faced Grid, Add	*0.39*	
		For Fastening To Concrete, Add	*1.50*	
		For Fastening To Steel, Add	*1.64*	
		For Vertical Application, Add	*1.95*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.40*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.63*	
		For Up To 50, Add	*1.44*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.22*	
		For Black Grid, Add	*0.17*	
		For Ceilings >10' High, Add	*0.17*	
		For Concealed Spline Grid, Add	*0.57*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	3.00	0.66
		For UL Listed (Fire Guard), Add	*0.17*	
		For 1-1/2" Wide Faced Grid, Add	*0.32*	
		For Fastening To Concrete, Add	*1.47*	
		For Fastening To Steel, Add	*1.61*	
		For Vertical Application, Add	*1.87*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.34*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.51*	
		For Up To 50, Add	*1.20*	
		For >50 To 200, Add	*0.67*	
		For >200 To 500, Add	*0.24*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Black Grid, Add	*0.14*	
		For Ceilings >10' High, Add	*0.14*	
		For Concealed Spline Grid, Add	*0.47*	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.63	0.66
		For UL Listed (Fire Guard), Add	*0.15*	
		For 1-1/2" Wide Faced Grid, Add	*0.29*	
		For Fastening To Concrete, Add	*1.44*	
		For Fastening To Steel, Add	*1.58*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.29*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Aluminum T-Bar System, Add	*0.46*	
		For Up To 50, Add	*1.03*	
		For >50 To 200, Add	*0.58*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.16*	
		For Ceilings >10' High, Add	*0.12*	
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.91	0.66
		For UL Listed (Fire Guard), Add	*0.25*	
		For Fastening To Concrete, Add	*1.50*	
		For Fastening To Steel, Add	*1.64*	
		For Vertical Application, Add	*1.95*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.42*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.48*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.23*	
		For Black Grid, Add	*0.21*	
		For Ceilings >10' High, Add	*0.17*	
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	3.23	0.66
		For UL Listed (Fire Guard), Add	*0.20*	
		For Fastening To Concrete, Add	*1.47*	
		For Fastening To Steel, Add	*1.61*	
		For Vertical Application, Add	*1.87*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.35*	
		Note: For use with projects >500 SF. Other quantity discounts would apply.		
		For Up To 50, Add	*1.23*	
		For >50 To 200, Add	*0.70*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.19*	
		For Black Grid, Add	*0.17*	
		For Ceilings >10' High, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0009		Ceiling Suspension System Accessories *(09 53 23)*		
09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.60	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	3.83	1.87
		For 304 Stainless Steel, Add	*2.91*	
		For 316 Stainless Steel, Add	*3.26*	
		For Aluminum, Add	*0.18*	
		For Galvanized Steel, Add	*0.63*	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	5.44	2.00
		For 304 Stainless Steel, Add	*4.42*	
		For 316 Stainless Steel, Add	*4.96*	
		For Aluminum, Add	*0.28*	
		For Galvanized Steel, Add	*0.96*	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	7.50	2.13
		For 304 Stainless Steel, Add	*8.84*	
		For 316 Stainless Steel, Add	*9.92*	
		For Aluminum, Add	*0.56*	
		For Galvanized Steel, Add	*1.92*	
09 53 23 00-0014	LF	12 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.01	
09 53 23 00-0015	LF	8 Gauge Ceiling Suspension Wire (Seismic Control Or Where Required) For Suspended Ceiling	1.16	
09 53 23 00-0016	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.	8.36	0.38
09 53 23 00-0017	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum Note: Includes vertical centerl strut and four 12 gauge diagonal wires.	34.15	9.62
09 53 23 00-0018	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	99.83	27.13
09 53 23 00-0019	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	103.57	27.64
09 53 23 00-0020	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling	116.85	27.64
09 53 23 00-0021		Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)* Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 53 23 00-0022	SF	Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place.	3.68	
		For Up To 50, Add	*2.02*	
		For >50 To 200, Add	*1.10*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.28*	
		For Ceilings >10' High, Add	*0.28*	
09 53 23 00-0023	SF	Removal And Reinstallation Of Grid System Assembly Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.	1.60	
		For Up To 50, Add	*0.88*	
		For >50 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.12*	
		For Ceilings >10' High, Add	*0.12*	

09 54 Specialty Ceilings *(09 50)*

09 54 16 Luminous Ceilings *(09 54)*

09 54 16 00-0001		Translucent Ceiling Panels *(09 54 16)*		
09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	3.59	0.66
		For Ceilings >10' High, Add	*0.11*	
		For >100 To 200, Deduct	*-0.14*	
		For >200 To 300, Deduct	*-0.39*	
		For >300, Deduct	*-0.67*	

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001		Linear Ceiling Systems *(09 54 23)*		
09 54 23 00-0002		0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)* Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	23.73	2.64
		For Up To 50, Add	*6.10*	
		For >50 To 200, Add	*3.64*	
		For >200 To 500, Add	*1.50*	
		For >2,500, Deduct	*-1.19*	
		For Ceilings >10' High, Add	*0.48*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-4.32*	
		For Curved Ceilings, Add	*1.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	19.13	2.64
		For Up To 50, Add	*5.35*	
		For >50 To 200, Add	*3.15*	
		For >200 To 500, Add	*1.27*	
		For >2,500, Deduct	*-0.96*	
		For Ceilings >10' High, Add	*0.47*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.16*	
		For Curved Ceilings, Add	*1.46*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	17.35	2.64
		For Up To 50, Add	*5.03*	
		For >50 To 200, Add	*2.95*	
		For >200 To 500, Add	*1.17*	
		For >2,500, Deduct	*-0.87*	
		For Ceilings >10' High, Add	*0.46*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.44*	
		For Curved Ceilings, Add	*1.44*	

09 54 23 00-0006 Tin Ceilings *(09 54 23)*

09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	22.59	4.10
		For Up To 50, Add	*5.36*	
		For >50 To 200, Add	*3.25*	
		For >200 To 500, Add	*1.38*	
		For >2,500, Deduct	*-1.13*	
		For Ceilings >10' High, Add	*0.37*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	33.35	2.64
		For Up To 50, Add	*7.08*	
		For >50 To 200, Add	*4.38*	
		For >200 To 500, Add	*1.93*	
		For >2,500, Deduct	*-1.67*	
		For Ceilings >10' High, Add	*0.39*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	24.39	2.64
		For Up To 50, Add	*5.74*	
		For >50 To 200, Add	*3.48*	
		For >200 To 500, Add	*1.48*	
		For >2,500, Deduct	*-1.22*	
		For Ceilings >10' High, Add	*0.39*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	22.41	2.64
		For Up To 50, Add	*5.28*	
		For >50 To 200, Add	*3.20*	
		For >200 To 500, Add	*1.36*	
		For >2,500, Deduct	*-1.12*	
		For Ceilings >10' High, Add	*0.36*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	19.56	1.98
		For Up To 50, Add	*4.61*	
		For >50 To 200, Add	*2.80*	
		For >200 To 500, Add	*1.19*	
		For >2,500, Deduct	*-0.98*	
		For Ceilings >10' High, Add	*0.32*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	15.49	3.96
		For Ceilings >10' High, Add	*0.58*	
09 54 23 00-0013	LF	6" Wide Embossed Molding	19.34	4.62
		For Ceilings >10' High, Add	*0.64*	
09 54 23 00-0014	LF	12" Wide Embossed Molding	25.92	5.42
		For Ceilings >10' High, Add	*0.81*	
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	44.95	12.54
		For Ceilings >10' High, Add	*1.84*	
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	62.16	14.66
		For Ceilings >10' High, Add	*2.21*	

09 57 Special Function Ceilings *(09 50)*

09 57 63 High Impact Ceilings *(09 57)*

09 57 63 00-0001 High Impact Ceilings *(09 57 63)*

09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	8.38	1.34
		For Ceilings >10' High, Add	*0.16*	
09 57 63 00-0003	EA	High Impact Clips	4.96	1.07
		For Ceilings >10' High, Add	*0.25*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

09 61 13 00-0001 Anti-Slip Tape *(09 61 13)*

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF	1" Anti-Slip Tape	3.46	2.66
09 61 13 00-0003	LF	2" Anti-Slip Tape	4.35	2.94
09 61 13 00-0004	LF	3" Anti-Slip Tape	5.22	3.23
09 61 13 00-0005	LF	4" Anti-Slip Tape	6.05	3.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 61 13 00-0006	LF	6" Anti-Slip Tape	7.67	3.91
09 61 13 00-0007	LF	12" Anti-Slip Tape	13.34	5.85
09 61 13 00-0008	LF	24" Anti-Slip Tape	18.92	8.79

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001 Clay Bricks *(09 63 13)*

09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	32.34	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	36.68	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	20.11	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	24.05	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	21.87	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	27.10	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	23.57	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	30.19	10.42
		For Basket Weave Pattern, Add	*2.23*	
		For Herringbone Pattern, Add	*2.97*	
		For Epoxy Joints, Add	*5.43*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	18.98	5.69

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001 Wood Flooring Underlayment *(09 64 13)*

09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.51	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.53	
09 64 13 00-0004	SF	30 Lb., Waxed Paper, Wood Flooring Underlayment	0.56	
09 64 13 00-0005	SF	15 Lb., Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.61	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.56	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.62	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	2.47	0.35
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	2.58	0.35
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.92	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	1.14	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	1.23	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.50	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.52	0.24

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	14.66	1.34
		For Up To 20, Add	*5.95*	
		For >20 To 50, Add	*3.13*	
		For >50 To 100, Add	*1.57*	
		For >100 To 300, Add	*0.78*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: All wood strip flooring is unfinished, tongue and groove.		
09 64 29 00-0001		**Unfinished Fir, Wood Strip Flooring** *(09 64 29)*		
09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	15.48	1.34
		For Factory Finish, Add	*0.95*	
		For Random Width Floor, Add	*3.57*	
		For Up To 20, Add	*5.02*	
		For >20 To 50, Add	*2.75*	
		For >50 To 100, Add	*1.37*	
		For >100 To 300, Add	*0.69*	
09 64 29 00-0003		**Unfinished Oak, Wood Strip Flooring** *(09 64 29)*		
09 64 29 00-0004		**Unfinished White Oak, Wood Strip Flooring** *(09 64 29 00-0003)*		
09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	12.80	1.34
		For Factory Finish, Add	*0.50*	
		For Random Width Floor, Add	*2.81*	
		For Up To 20, Add	*5.45*	
		For >20 To 50, Add	*2.85*	
		For >50 To 100, Add	*1.43*	
		For >100 To 300, Add	*0.71*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	13.44	1.34
		For Factory Finish, Add	*0.56*	
		For Random Width Floor, Add	*2.97*	
		For Up To 20, Add	*5.55*	
		For >20 To 50, Add	*2.91*	
		For >50 To 100, Add	*1.46*	
		For >100 To 300, Add	*0.73*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	14.41	1.34
		For Factory Finish, Add	*0.66*	
		For Random Width Floor, Add	*3.21*	
		For Up To 20, Add	*5.69*	
		For >20 To 50, Add	*3.01*	
		For >50 To 100, Add	*1.51*	
		For >100 To 300, Add	*0.75*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	11.16	1.34
		For Factory Finish, Add	*0.52*	
		For Random Width Floor, Add	*2.49*	
		For Up To 20, Add	*4.37*	
		For >20 To 50, Add	*2.32*	
		For >50 To 100, Add	*1.16*	
		For >100 To 300, Add	*0.58*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	11.68	1.34
		For Factory Finish, Add	*0.57*	
		For Random Width Floor, Add	*2.62*	
		For Up To 20, Add	*4.45*	
		For >20 To 50, Add	*2.37*	
		For >50 To 100, Add	*1.18*	
		For >100 To 300, Add	*0.59*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	12.67	1.34
		For Factory Finish, Add	*0.67*	
		For Random Width Floor, Add	*2.87*	
		For Up To 20, Add	*4.60*	
		For >20 To 50, Add	*2.47*	
		For >50 To 100, Add	*1.23*	
		For >100 To 300, Add	*0.62*	
09 64 29 00-0011		**Unfinished Red Oak, Wood Strip Flooring** *(09 64 29 00-0003)*		
09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	12.91	1.34
		For Factory Finish, Add	*0.51*	
		For Random Width Floor, Add	*2.84*	
		For Up To 20, Add	*5.47*	
		For >20 To 50, Add	*2.86*	
		For >50 To 100, Add	*1.43*	
		For >100 To 300, Add	*0.72*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	13.55	1.34
		For Factory Finish, Add	*0.57*	
		For Random Width Floor, Add	*3.00*	
		For Up To 20, Add	*5.57*	
		For >20 To 50, Add	*2.93*	
		For >50 To 100, Add	*1.46*	
		For >100 To 300, Add	*0.73*	
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	14.52	1.34
		For Factory Finish, Add	*0.67*	
		For Random Width Floor, Add	*3.24*	
		For Up To 20, Add	*5.71*	
		For >20 To 50, Add	*3.02*	
		For >50 To 100, Add	*1.51*	
		For >100 To 300, Add	*0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	11.27	1.34
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.52*	
		For Up To 20, Add	*4.39*	
		For >20 To 50, Add	*2.33*	
		For >50 To 100, Add	*1.16*	
		For >100 To 300, Add	*0.58*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	11.92	1.34
		For Factory Finish, Add	*0.59*	
		For Random Width Floor, Add	*2.68*	
		For Up To 20, Add	*4.49*	
		For >20 To 50, Add	*2.39*	
		For >50 To 100, Add	*1.20*	
		For >100 To 300, Add	*0.60*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	12.78	1.34
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.90*	
		For Up To 20, Add	*4.62*	
		For >20 To 50, Add	*2.48*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	15.27	1.34
		For Factory Finish, Add	*0.74*	
		For Random Width Floor, Add	*3.43*	
		For Up To 20, Add	*5.82*	
		For >20 To 50, Add	*3.10*	
		For >50 To 100, Add	*1.55*	
		For >100 To 300, Add	*0.77*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.20	1.34
		For Factory Finish, Add	*0.64*	
		For Random Width Floor, Add	*3.16*	
		For Up To 20, Add	*5.66*	
		For >20 To 50, Add	*2.99*	
		For >50 To 100, Add	*1.50*	
		For >100 To 300, Add	*0.75*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.85	1.34
		For Factory Finish, Add	*0.79*	
		For Random Width Floor, Add	*3.16*	
		For Up To 20, Add	*4.78*	
		For >20 To 50, Add	*2.59*	
		For >50 To 100, Add	*1.29*	
		For >100 To 300, Add	*0.65*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	12.78	1.34
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.90*	
		For Up To 20, Add	*4.62*	
		For >20 To 50, Add	*2.48*	
		For >50 To 100, Add	*1.24*	
		For >100 To 300, Add	*0.62*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	17.59	1.34
		For Factory Finish, Add	*0.97*	
		For Random Width Floor, Add	*4.01*	
		For Up To 20, Add	*6.17*	
		For >20 To 50, Add	*3.33*	
		For >50 To 100, Add	*1.66*	
		For >100 To 300, Add	*0.83*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	16.15	1.34
		For Factory Finish, Add	*0.83*	
		For Random Width Floor, Add	*3.65*	
		For Up To 20, Add	*5.96*	
		For >20 To 50, Add	*3.19*	
		For >50 To 100, Add	*1.59*	
		For >100 To 300, Add	*0.80*	
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	16.32	1.34
		For Factory Finish, Add	*1.03*	
		For Random Width Floor, Add	*3.78*	
		For Up To 20, Add	*5.15*	
		For >20 To 50, Add	*2.83*	
		For >50 To 100, Add	*1.42*	
		For >100 To 300, Add	*0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	14.88	1.34
		For Factory Finish, Add	*0.89*	
		For Random Width Floor, Add	*3.42*	
		For Up To 20, Add	*4.93*	
		For >20 To 50, Add	*2.69*	
		For >50 To 100, Add	*1.34*	
		For >100 To 300, Add	*0.67*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	16.49	1.34
		For Up To 20, Add	*4.83*	
		For >20 To 50, Add	*2.70*	
		For >50 To 100, Add	*1.35*	
		For >100 To 300, Add	*0.67*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	16.49	1.34
		For Up To 20, Add	*4.83*	
		For >20 To 50, Add	*2.70*	
		For >50 To 100, Add	*1.35*	
		For >100 To 300, Add	*0.67*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	16.49	1.34
		For Up To 20, Add	*4.83*	
		For >20 To 50, Add	*2.70*	
		For >50 To 100, Add	*1.35*	
		For >100 To 300, Add	*0.67*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	16.88	1.34
		For Up To 20, Add	*4.89*	
		For >20 To 50, Add	*2.73*	
		For >50 To 100, Add	*1.37*	
		For >100 To 300, Add	*0.68*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors Applied On Existing Subfloor *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	15.72	6.67
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	33/32" Maple Wood Gym/Stage/Dance Floor	18.17	6.94
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 64 66 00-0004 Wood Gym/Stage/Dance Floor Systems *(09 64 66)*

Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.	20.69	8.67
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok) Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.	21.57	8.67
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex) Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.	23.23	8.67
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0008	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus) Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.	22.43	8.67
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0009	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock) Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.	26.06	8.67
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 65 Resilient Flooring *(09 60)*

See CSI section 03 54 16 00-0001 for self-leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.48	1.19
		For Up To 20, Add	*1.62*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.33*	
		For >960, Deduct	*-0.49*	
09 65 13 13-0003	LF	3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.90	1.19
		For Up To 20, Add	*1.69*	
		For >20 To 40, Add	*0.97*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.37*	
		For >960, Deduct	*-0.56*	
09 65 13 13-0004	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.27	1.19
		For Up To 20, Add	*1.74*	
		For >20 To 40, Add	*1.00*	
		For >40 To 80, Add	*0.38*	
		For >240 To 960, Deduct	*-0.41*	
		For >960, Deduct	*-0.61*	
09 65 13 13-0005	LF	4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	5.64	1.19
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.04*	
		For >40 To 80, Add	*0.40*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.67*	
09 65 13 13-0006	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	6.98	1.19
		For Up To 20, Add	*2.00*	
		For >20 To 40, Add	*1.17*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.58*	
		For >960, Deduct	*-0.87*	

09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0008	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.99	1.19
		For Up To 20, Add	*1.70*	
		For >20 To 40, Add	*0.98*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.38*	
		For >960, Deduct	*-0.57*	
09 65 13 13-0009	LF	3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.51	1.19
		For Up To 20, Add	*1.78*	
		For >20 To 40, Add	*1.03*	
		For >40 To 80, Add	*0.39*	
		For >240 To 960, Deduct	*-0.43*	
		For >960, Deduct	*-0.65*	
09 65 13 13-0010	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.59	1.19
		For Up To 20, Add	*1.79*	
		For >20 To 40, Add	*1.04*	
		For >40 To 80, Add	*0.40*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 13-0011	LF	4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.99	1.19
		For Up To 20, Add	*1.85*	
		For >20 To 40, Add	*1.08*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.48*	
		For >960, Deduct	*-0.72*	
09 65 13 13-0012	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	7.23	1.19
		For Up To 20, Add	*2.04*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.48*	
		For >240 To 960, Deduct	*-0.60*	
		For >960, Deduct	*-0.91*	
09 65 13 13-0013	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	9.56	1.19
		For Up To 20, Add	*2.39*	
		For >20 To 40, Add	*1.43*	
		For >40 To 80, Add	*0.60*	
		For >240 To 960, Deduct	*-0.84*	
		For >960, Deduct	*-1.26*	
09 65 13 13-0014	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	10.06	1.19
		For Up To 20, Add	*2.46*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.62*	
		For >240 To 960, Deduct	*-0.89*	
		For >960, Deduct	*-1.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0015	LF	4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	11.62	1.19
		For Up To 20, Add	*2.70*	
		For >20 To 40, Add	*1.64*	
		For >40 To 80, Add	*0.70*	
		For >240 To 960, Deduct	*-1.04*	
		For >960, Deduct	*-1.56*	
09 65 13 13-0016	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.66	1.19
		For Up To 20, Add	*2.85*	
		For >20 To 40, Add	*1.74*	
		For >40 To 80, Add	*0.75*	
		For >240 To 960, Deduct	*-1.15*	
		For >960, Deduct	*-1.72*	
09 65 13 13-0017	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	17.81	1.19
		For Up To 20, Add	*3.62*	
		For >20 To 40, Add	*2.26*	
		For >40 To 80, Add	*1.01*	
		For >240 To 960, Deduct	*-1.66*	
		For >960, Deduct	*-2.49*	

09 65 13 13-0018 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0019	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.65	1.43
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.04*	
		For >40 To 80, Add	*0.40*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.67*	
09 65 13 13-0020	LF	3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.30	1.43
		For Up To 20, Add	*1.90*	
		For >20 To 40, Add	*1.11*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.51*	
		For >960, Deduct	*-0.77*	
09 65 13 13-0021	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	5.67	1.19
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.04*	
		For >40 To 80, Add	*0.40*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.67*	
09 65 13 13-0022	LF	4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.08	1.19
		For Up To 20, Add	*1.86*	
		For >20 To 40, Add	*1.08*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.73*	
09 65 13 13-0023	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	8.55	1.43
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.43*	
		For >40 To 80, Add	*0.57*	
		For >240 To 960, Deduct	*-0.71*	
		For >960, Deduct	*-1.07*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	16.11	1.90
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	17.29	2.05
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	20.99	2.19
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	15.18	1.90
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	15.93	2.05
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	19.62	2.20
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0010		Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*		
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	8.85	1.15
09 65 13 23-0012		Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*		
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	27.07	1.76
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	32.47	1.90
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	35.13	2.14
09 65 13 23-0016		Vinyl Stair Treads and Risers *(09 65 13 23)*		
09 65 13 23-0017		Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*		
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	18.17	1.73
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	20.09	1.90
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	24.29	2.06
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0021		Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*		
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	10.00	1.15
09 65 13 33		**Resilient Accessories** *(09 65 13)*		
09 65 13 33-0001		Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*		
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.80	0.96
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.81	0.96
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.19	
09 65 13 36		**Resilient Carpet Transitions** *(09 65 13)*		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	2.61	0.86
		For >240 To 960, Deduct	*-0.20*	
		For >960, Deduct	*-0.30*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	2.31	0.86
		For >240 To 960, Deduct	*-0.17*	
		For >960, Deduct	*-0.26*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	1.95	0.86
		For >240 To 960, Deduct	*-0.14*	
		For >960, Deduct	*-0.20*	
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)	3.15	1.19
		For Up To 20, Add	*1.23*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.25*	
		For >240 To 960, Deduct	*-0.22*	
		For >960, Deduct	*-0.33*	
09 65 13 36-0006		Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*		
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	3.96	1.19
		For Up To 20, Add	*1.35*	
		For >20 To 40, Add	*0.78*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.30*	
		For >960, Deduct	*-0.45*	
09 65 13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	3.96	1.19
		For Up To 20, Add	*1.35*	
		For >20 To 40, Add	*0.78*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.30*	
		For >960, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	4.88	1.19
		For Up To 20, Add	*1.49*	
		For >20 To 40, Add	*0.87*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.39*	
		For >960, Deduct	*-0.59*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	8.13	1.19
		For Up To 20, Add	*1.98*	
		For >20 To 40, Add	*1.19*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.72*	
		For >960, Deduct	*-1.08*	
09 65 13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	8.15	1.19
		For Up To 20, Add	*1.98*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.50*	
		For >240 To 960, Deduct	*-0.72*	
		For >960, Deduct	*-1.08*	
09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	5.36	1.19
		For Up To 20, Add	*1.56*	
		For >20 To 40, Add	*0.92*	
		For >40 To 80, Add	*0.36*	
		For >240 To 960, Deduct	*-0.44*	
		For >960, Deduct	*-0.66*	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	7.92	1.19
		For Up To 20, Add	*1.95*	
		For >20 To 40, Add	*1.17*	
		For >40 To 80, Add	*0.49*	
		For >240 To 960, Deduct	*-0.70*	
		For >960, Deduct	*-1.05*	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	8.21	1.19
		For Up To 20, Add	*1.99*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.73*	
		For >960, Deduct	*-1.09*	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	6.90	1.19
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.60*	
		For >960, Deduct	*-0.89*	
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	7.54	1.19
		For Up To 20, Add	*1.89*	
		For >20 To 40, Add	*1.13*	
		For >40 To 80, Add	*0.47*	
		For >240 To 960, Deduct	*-0.66*	
		For >960, Deduct	*-0.99*	
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	8.21	1.19
		For Up To 20, Add	*1.99*	
		For >20 To 40, Add	*1.20*	
		For >40 To 80, Add	*0.51*	
		For >240 To 960, Deduct	*-0.73*	
		For >960, Deduct	*-1.09*	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	6.77	1.19
		For Up To 20, Add	*1.78*	
		For >20 To 40, Add	*1.06*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.58*	
		For >960, Deduct	*-0.87*	
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	5.71	1.19
		For Up To 20, Add	*1.62*	
		For >20 To 40, Add	*0.95*	
		For >40 To 80, Add	*0.38*	
		For >240 To 960, Deduct	*-0.48*	
		For >960, Deduct	*-0.71*	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	8.44	1.19
		For Up To 20, Add	*2.03*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.52*	
		For >240 To 960, Deduct	*-0.75*	
		For >960, Deduct	*-1.12*	
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	10.90	1.19
		For Up To 20, Add	*2.40*	
		For >20 To 40, Add	*1.47*	
		For >40 To 80, Add	*0.64*	
		For >240 To 960, Deduct	*-1.00*	
		For >960, Deduct	*-1.49*	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	5.54	1.19
		For Up To 20, Add	*1.59*	
		For >20 To 40, Add	*0.93*	
		For >40 To 80, Add	*0.37*	
		For >240 To 960, Deduct	*-0.46*	
		For >960, Deduct	*-0.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	5.63	1.19
		For Up To 20, Add	*1.60*	
		For >20 To 40, Add	*0.94*	
		For >40 To 80, Add	*0.38*	
		For >240 To 960, Deduct	*-0.47*	
		For >960, Deduct	*-0.70*	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	6.40	1.19
		For Up To 20, Add	*1.72*	
		For >20 To 40, Add	*1.02*	
		For >40 To 80, Add	*0.42*	
		For >240 To 960, Deduct	*-0.55*	
		For >960, Deduct	*-0.82*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	11.45	0.71
		For Up To 40, Add	*4.19*	
		For >40 To 100, Add	*2.09*	
		For >1,000, Deduct	*-1.00*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring	9.31	0.71
		For Up To 40, Add	*3.76*	
		For >40 To 100, Add	*1.88*	
		For >1,000, Deduct	*-0.79*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	5.99	0.71
		For Up To 40, Add	*3.10*	
		For >40 To 100, Add	*1.55*	
		For >1,000, Deduct	*-0.45*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring	7.84	0.71
		For Up To 40, Add	*3.47*	
		For >40 To 100, Add	*1.73*	
		For >1,000, Deduct	*-0.64*	
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring	10.59	0.71
		For Up To 40, Add	*4.02*	
		For >40 To 100, Add	*2.01*	
		For >1,000, Deduct	*-0.91*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring	14.72	0.71
		For Up To 40, Add	*4.84*	
		For >40 To 100, Add	*2.42*	
		For >1,000, Deduct	*-1.33*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	6.78
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	7.23

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	15.88

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	4.35
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	3.89
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	6.03
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	2.96

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	4.22	1.43
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.23*	
		For >6,000, Deduct	*-0.41*	
		For 3/32" Thick, Deduct	*-0.25*	
		For Extra Stock, Material Only, Deduct	*-1.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	4.06	1.43
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.40*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	4.06	1.43
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.40*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	6.27	1.43
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.53*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	6.29	1.43
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.54*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	6.71	1.43
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.56*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	6.78	1.43
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.57*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	7.04	1.43
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.34*	
		For >6,000, Deduct	*-0.58*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	9.45	1.43
		For >1,000 To 3,000, Deduct	*-0.20*	
		For >3,000 To 6,000, Deduct	*-0.44*	
		For >6,000, Deduct	*-0.73*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	10.40	1.43
		For >1,000 To 3,000, Deduct	*-0.22*	
		For >3,000 To 6,000, Deduct	*-0.48*	
		For >6,000, Deduct	*-0.78*	
		For Extra Stock, Material Only, Deduct	*-1.67*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	18.95	1.43
		For >1,000 To 3,000, Deduct	*-0.39*	
		For >3,000 To 6,000, Deduct	*-0.86*	
		For >6,000, Deduct	*-1.41*	
		For Extra Stock, Material Only, Deduct	*-2.83*	
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	14.50	1.43
		For Up To 20, Add	*3.37*	
		For >20 To 40, Add	*2.05*	
		For >40 To 80, Add	*0.87*	
		For >1,000 To 3,000, Deduct	*-0.30*	
		For >3,000 To 6,000, Deduct	*-0.68*	
		For >6,000, Deduct	*-1.14*	
		For Extra Stock, Material Only, Deduct	*-2.83*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Standard Colors, Solid Vinyl Tile (SVT)	5.79	1.43
		For Up To 20, Add	*1.84*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.41*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.57*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Marbleized Or Travertine Pattern, Solid Vinyl Tile (SVT)	6.07	1.43
		For Up To 20, Add	*1.89*	
		For >20 To 40, Add	*1.10*	
		For >40 To 80, Add	*0.43*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0005	SF	1/8" Thick, Class 1 Type B, Homogeneous, Slip Retardant, Solid Vinyl Tile (SVT)	6.16	1.43
		For Up To 20, Add	*1.90*	
		For >20 To 40, Add	*1.10*	
		For >40 To 80, Add	*0.43*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.59*	
09 65 19 23-0006		Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*		
09 65 19 23-0007	SF	2.5mm Thick, 40 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Mannington Amtico)	9.67	1.43
		For Up To 20, Add	*2.43*	
		For >20 To 40, Add	*1.46*	
		For >40 To 80, Add	*0.61*	
		For >1,000 To 3,000, Deduct	*-0.21*	
		For >3,000 To 6,000, Deduct	*-0.47*	
		For >6,000, Deduct	*-0.80*	
09 65 19 23-0008	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Crete)	5.82	1.91
		For Up To 20, Add	*1.85*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.41*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.57*	
09 65 19 23-0009	SF	3mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Jeogori)	6.00	1.91
		For Up To 20, Add	*1.88*	
		For >20 To 40, Add	*1.09*	
		For >40 To 80, Add	*0.42*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.58*	
09 65 19 23-0010	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Grain Direct Glue)	5.64	1.90
		For Up To 20, Add	*1.82*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.40*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.56*	
09 65 19 23-0011	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down Luxury Vinyl Tile (LVT) Plank (Shaw Pigment Direct Glue)	5.98	1.90
		For Up To 20, Add	*1.87*	
		For >20 To 40, Add	*1.09*	
		For >40 To 80, Add	*0.42*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.58*	
09 65 19 23-0012	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 2.5MM)	4.97	1.43
		For Up To 20, Add	*1.72*	
		For >20 To 40, Add	*0.99*	
		For >40 To 80, Add	*0.37*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.52*	
09 65 19 23-0013	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Terrain II 20 MIL 5.0MM)	6.54	1.43
		For Up To 20, Add	*1.96*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.45*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.61*	
09 65 19 23-0014	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 2.5MM)	5.77	1.90
		For Up To 20, Add	*1.84*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.41*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.57*	
09 65 19 23-0015	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Compound 5.0MM)	6.55	1.90
		For Up To 20, Add	*1.96*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.45*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.61*	
09 65 19 23-0016	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 2.5MM)	5.77	1.90
		For Up To 20, Add	*1.84*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.41*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.57*	
09 65 19 23-0017	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Cast 5.0MM)	6.55	1.90
		For Up To 20, Add	*1.96*	
		For >20 To 40, Add	*1.14*	
		For >40 To 80, Add	*0.45*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0018	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Inlet II)	6.69	1.90
		For Up To 20, Add	*1.98*	
		For >20 To 40, Add	*1.16*	
		For >40 To 80, Add	*0.46*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.62*	
09 65 19 23-0019	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Cove)	6.69	1.90
		For Up To 20, Add	*1.98*	
		For >20 To 40, Add	*1.16*	
		For >40 To 80, Add	*0.46*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.62*	
09 65 19 23-0020	SF	6mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Basis)	7.27	1.91
		For Up To 20, Add	*2.07*	
		For >20 To 40, Add	*1.22*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.66*	
09 65 19 23-0021	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Thoughtful)	6.65	1.91
		For Up To 20, Add	*1.98*	
		For >20 To 40, Add	*1.16*	
		For >40 To 80, Add	*0.46*	
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.35*	
		For >6,000, Deduct	*-0.62*	
09 65 19 23-0022	SF	3mm Thick, 30 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Unveil)	5.66	1.90
		For Up To 20, Add	*1.83*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.41*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.56*	
09 65 19 23-0023	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Abide)	5.26	1.90
		For Up To 20, Add	*1.77*	
		For >20 To 40, Add	*1.01*	
		For >40 To 80, Add	*0.39*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.54*	
09 65 19 23-0024	SF	5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Solitude)	6.03	1.43
		For Up To 20, Add	*1.88*	
		For >20 To 40, Add	*1.09*	
		For >40 To 80, Add	*0.42*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.58*	
09 65 19 23-0025	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) Plank (Shaw Strand)	5.41	1.43
		For Up To 20, Add	*1.79*	
		For >20 To 40, Add	*1.03*	
		For >40 To 80, Add	*0.39*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.30*	
		For >6,000, Deduct	*-0.54*	
09 65 19 23-0026	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 2.5MM)	4.92	1.43
		For Up To 20, Add	*1.72*	
		For >20 To 40, Add	*0.98*	
		For >40 To 80, Add	*0.37*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.52*	
09 65 19 23-0027	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Function 5.0MM)	6.40	1.43
		For Up To 20, Add	*1.94*	
		For >20 To 40, Add	*1.13*	
		For >40 To 80, Add	*0.44*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.34*	
		For >6,000, Deduct	*-0.60*	
09 65 19 23-0028	SF	2.5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 2.5MM)	4.92	1.43
		For Up To 20, Add	*1.72*	
		For >20 To 40, Add	*0.98*	
		For >40 To 80, Add	*0.37*	
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.28*	
		For >6,000, Deduct	*-0.52*	
09 65 19 23-0029	SF	5mm Thick, 22 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Flow 5.0MM)	6.40	1.43
		For Up To 20, Add	*1.94*	
		For >20 To 40, Add	*1.13*	
		For >40 To 80, Add	*0.44*	
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.34*	
		For >6,000, Deduct	*-0.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 23-0030	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, Luxury Vinyl Tile (LVT) (Shaw Joy Squared)	5.77	1.43
		For Up To 20, Add	*1.84*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.41*	
		For >1,000 To 3,000, Deduct	*-0.13*	
		For >3,000 To 6,000, Deduct	*-0.32*	
		For >6,000, Deduct	*-0.57*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	23.69	0.86
		For Up To 100, Add	*1.27*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	28.75	0.96
		For Up To 100, Add	*1.53*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	31.91	1.15
		For Up To 100, Add	*1.71*	

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*
Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	10.08	1.43
		For >1,000 To 3,000, Deduct	*-0.21*	
		For >3,000 To 6,000, Deduct	*-0.46*	
		For >6,000, Deduct	*-0.76*	
		For Extra Stock, Material Only, Deduct	*-1.67*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	7.43	1.43
		For >1,000 To 3,000, Deduct	*-0.16*	
		For >3,000 To 6,000, Deduct	*-0.36*	
		For >6,000, Deduct	*-0.60*	
		For Extra Stock, Material Only, Deduct	*-1.67*	

09 65 23 Resilient Plank Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 23 00-0001 Vinyl Plank Flooring *(09 65 23)*

09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	6.85	0.71
		For Up To 40, Add	*3.27*	
		For >40 To 100, Add	*1.63*	
		For >1,000, Deduct	*-0.54*	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	8.59	0.71
		For Up To 40, Add	*3.62*	
		For >40 To 100, Add	*1.81*	
		For >1,000, Deduct	*-0.71*	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	9.66	0.71
		For Up To 40, Add	*3.83*	
		For >40 To 100, Add	*1.92*	
		For >1,000, Deduct	*-0.82*	
09 65 23 00-0005	SF	2.5mm Thick, 20 Mil Wear Layer, Glue-down, PVC Free, Resilient Plank Flooring (Shaw Pivot)	5.56	1.43
		For Up To 20, Add	*1.81*	
		For >20 To 40, Add	*1.04*	
		For >40 To 80, Add	*0.40*	
		For >1,000 To 3,000, Deduct	*-0.12*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.55*	

09 65 43 Linoleum Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	7.26	1.43
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	5.49	0.71
		For 3.2mm Thickness, Add	*0.81*	
		For 2mm Thickness, Deduct	*-0.38*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.	6.79	

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	7.83	0.66
		For Colors, Add	*1.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	9.09	0.84
		For Colors, Add	*1.58*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	10.49	1.34
		For Colors, Add	*1.72*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	15.29	1.62
		For Colors, Add	*2.60*	
09 65 66 00-0006		Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*		
09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	42.15	0.66
		For Colors, Add	*5.15*	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	61.04	0.66
		For Colors, Add	*7.51*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	44.53	0.66
		For Colors, Add	*5.45*	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	54.82	0.66
		For Colors, Add	*6.73*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	45.79	0.66
		For Colors, Add	*5.60*	
09 65 66 00-0012		Sheet Goods For Gym *(09 65 66)*		
09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	22.90	2.86
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	24.24	2.96
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	25.48	3.05
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	5.25	2.33
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	5.89	2.67
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	6.77	2.86
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	7.44	3.05
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	7.86	3.24
09 65 66 00-0021		Polyurethane Floor Systems *(09 65 66)*		
		See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	23.94	1.90

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001 Floors Not Bonded To Concrete *(09 66 13 13)*

Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.30	3.35
		For Venetian Type Terrazzo, Add	*9.21*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.21*	
		For Colors, Add	*4.61*	
		For Up To 100, Add	*8.99*	
		For >100 To 250, Add	*4.50*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	36.48	3.35
		For Venetian Type Terrazzo, Add	*9.30*	
		For Abrasive Heavy-Duty Terrazzo, Add	*9.30*	
		For Colors, Add	*4.65*	
		For Up To 100, Add	*9.01*	
		For >100 To 250, Add	*4.51*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001 Monolithic Terrazzo *(09 66 13 16)*

09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping	19.91	3.35
		Note: Including Mesh And Felt		
		For Venetian Type Terrazzo, Add	*6.71*	
		For Abrasive Heavy-Duty Terrazzo, Add	*6.71*	
		For Colors, Add	*3.35*	
		For Up To 100, Add	*3.94*	
		For >100 To 250, Add	*1.97*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001 Floors Bonded To Concrete *(09 66 13 19)*

Note: 1-3/4" Thick - 5/8" topping.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	28.95	3.35
		For Venetian Type Terrazzo, Add	*7.60*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.60*	
		For Colors, Add	*3.80*	
		For Up To 100, Add	*7.02*	
		For >100 To 250, Add	*3.51*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	29.13	3.35
		For Venetian Type Terrazzo, Add	*7.69*	
		For Abrasive Heavy-Duty Terrazzo, Add	*7.69*	
		For Colors, Add	*3.85*	
		For Up To 100, Add	*7.04*	
		For >100 To 250, Add	*3.52*	
09 66 13 19-0004		Terrazzo Wainscot *(09 66 13 19)*		
09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	39.62	4.47
		For Venetian Type Terrazzo, Add	*4.92*	
09 66 13 19-0006		Terrazzo Base *(09 66 13 19)*		
09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	41.60	3.62
		For Venetian Type Terrazzo, Add	*10.73*	
09 66 13 19-0008		Terrazzo Curb *(09 66 13 19)*		
09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	109.16	24.16
		For Venetian Type Terrazzo, Add	*14.31*	
09 66 13 19-0010		Stairs Cast In Place *(09 66 13 19)*		
		Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	40.53	6.70
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	101.67	22.33
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	41.07	6.70
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0014		Divider Strips *(09 66 13 19)*		
09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	6.44	1.12
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	6.63	1.12
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	10.01	1.12
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	14.83	1.12
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	6.19	1.12
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	9.22	1.12
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	6.68	1.12

09 66 16 Terrazzo Floor Tile *(09 66)*

09 66 16 13 Portland Cement Terrazzo Floor Tile *(09 66 16)*

09 66 16 13-0001 Flooring Tiles *(09 66 16 13)*

Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".

09 66 16 13-0002 Terrazzo Tiles With Non-Slip Surface *(09 66 16 13-0001)*

09 66 16 13-0003	SF	9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	31.38	2.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile	32.12	2.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	37.22	2.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	39.90	2.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile	41.84	2.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 13-0008 Terrazzo Tile Thin Set *(09 66 16 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0009	SF	Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	31.11	2.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed	33.21	2.85
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0011		**Thin Set Terrazzo Wainscot** *(09 66 16 13-0001)*		
09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	53.97	7.25
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	61.67	7.25
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0014		**Thin Set Terrazzo Base, Gray Cement** *(09 66 16 13-0001)*		
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	17.85	3.62
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	19.80	3.62
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	20.72	3.62
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	21.69	3.62
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0019		**Terrazzo Curbs** *(09 66 16 13-0001)*		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	36.64	4.84
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	35.66	4.84
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0022		**Precast Terrazzo Stair Treads 12" Wide** *(09 66 16 13-0001)*		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	83.77	4.84
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface	72.09	4.84
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	64.31	4.84
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	75.14	4.84
09 66 16 13-0027		**Stair Risers, 1" Thick To 6" High, Straight** *(09 66 16 13-0001)*		
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	38.44	3.62
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	44.28	3.62
09 66 16 13-0030		**Stair Risers, 1" Thick To 6" High, Curved** *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	56.03	3.62
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	59.92	3.62
09 66 16 13-0033		**Tread And Riser** *(09 66 16 13)*		
09 66 16 13-0034		**Stair Stringers, Notched For Treads And Risers** *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	94.43	9.66
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	113.80	9.66
09 66 16 13-0037		**Structural Non-Slip Landings** *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	67.75	4.84
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip	83.01	4.84
09 66 16 13-0040		**Combined Tread And Riser** *(09 66 16 13-0033)*		
09 66 16 13-0041		**Straight Sections** *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	146.10	9.66
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	173.33	9.66
09 66 16 13-0044		**Curved Sections** *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	182.27	9.66
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	228.95	9.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	27.49	3.35
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Spark Proof, Conductive, Industrial	29.05	6.04
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Spark Proof, Conductive, Industrial	52.36	6.04
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Spark Proof, Conductive, Industrial	22.30	6.04
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Spark Proof, Conductive, Industrial	37.67	6.04
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Spark Proof, Conductive, Industrial	24.97	6.04
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Spark Proof, Conductive, Industrial	47.30	6.04
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Spark Proof, Conductive, Industrial	35.79	6.04
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Spark Proof, Conductive, Industrial	40.87	6.04
09 67		**Fluid-Applied Flooring** *(09 60)*		
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		Epoxy Marble Chip Flooring *(09 67 16)*		
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	19.01	3.35
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.09*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.09*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy-Duty Epoxy	20.26	3.35
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.10*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.10*	
09 67 23		**Resinous Flooring** *(09 67)*		
09 67 23 00-0001		Epoxy Resin Flooring *(09 67 23)*		
		Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two-pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding, 09 01 60 91-0011 for degreasing.		
09 67 23 00-0002	SF	3/16" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	14.69	7.59
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
		For Up To 500, Add	*2.78*	
		For >500 To 1,000, Add	*1.76*	
		For >1,000 To 2,000, Add	*0.88*	
		For >10,000, Deduct	*-0.96*	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	21.64	7.59
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.13*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.13*	
		For Up To 500, Add	*4.52*	
		For >500 To 1,000, Add	*2.80*	
		For >1,000 To 2,000, Add	*1.40*	
		For >10,000, Deduct	*-1.31*	
09 67 23 00-0004	SF	1/4" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	17.56	8.48
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
		For Up To 500, Add	*3.27*	
		For >500 To 1,000, Add	*2.08*	
		For >1,000 To 2,000, Add	*1.04*	
		For >10,000, Deduct	*-1.16*	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	25.52	8.48
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.14*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.14*	
		For Up To 500, Add	*5.26*	
		For >500 To 1,000, Add	*3.27*	
		For >1,000 To 2,000, Add	*1.63*	
		For >10,000, Deduct	*-1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 23 00-0006	SF	3/8" Heavy-Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	19.82	9.49
		For Skid Resistant Abrasive Sand Finish, Add	*0.07*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.07*	
		For Up To 500, Add	*3.71*	
		For >500 To 1,000, Add	*2.35*	
		For >1,000 To 2,000, Add	*1.18*	
		For >10,000, Deduct	*-1.30*	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound Note: Includes primer, two 3/16" slurry coats and top seal coats (color).	28.26	9.49
		For Skid Resistant Abrasive Sand Finish, Add	*0.16*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.16*	
		For Up To 500, Add	*5.82*	
		For >500 To 1,000, Add	*3.62*	
		For >1,000 To 2,000, Add	*1.81*	
		For >10,000, Deduct	*-1.72*	

09 68 Carpeting *(09 60)*

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

09 68 13 Tile Carpeting *(09 68)*

09 68 13 00-0001 Tufted Carpet Tiles *(09 68 13)*

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue (releasable mastic) or peel and stick backing.

09 68 13 00-0002 Non-Patterned Carpet Tiles *(09 68 13 00-0001)*

09 68 13 00-0003	SY	18 Ounce, Non-Patterned, Nylon Carpet Tile	42.20	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.84*	
		For >600 To 900, Deduct	*-1.62*	
		For >900 To 1,500, Deduct	*-2.39*	
		For >1,500 To 2,200, Deduct	*-3.52*	
		For >2,200 To 3,500, Deduct	*-4.57*	
		For >3,500, Deduct	*-5.63*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0004	SY	20 Ounce, Non-Patterned, Nylon Carpet Tile	43.91	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.60*	
		For >400 To 600, Deduct	*-0.90*	
		For >600 To 900, Deduct	*-1.70*	
		For >900 To 1,500, Deduct	*-2.51*	
		For >1,500 To 2,200, Deduct	*-3.69*	
		For >2,200 To 3,500, Deduct	*-4.79*	
		For >3,500, Deduct	*-5.88*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0005	SY	22 Ounce, Non-Patterned, Nylon Carpet Tile	49.33	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.06*	
		For >600 To 900, Deduct	*-1.97*	
		For >900 To 1,500, Deduct	*-2.89*	
		For >1,500 To 2,200, Deduct	*-4.23*	
		For >2,200 To 3,500, Deduct	*-5.46*	
		For >3,500, Deduct	*-6.70*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0006	SY	24 Ounce, Non-Patterned, Nylon Carpet Tile	54.61	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.81*	
		For >400 To 600, Deduct	*-1.22*	
		For >600 To 900, Deduct	*-2.24*	
		For >900 To 1,500, Deduct	*-3.26*	
		For >1,500 To 2,200, Deduct	*-4.76*	
		For >2,200 To 3,500, Deduct	*-6.12*	
		For >3,500, Deduct	*-7.49*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0007	SY	26 Ounce, Non-Patterned, Nylon Carpet Tile	57.70	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.87*	
		For >400 To 600, Deduct	*-1.31*	
		For >600 To 900, Deduct	*-2.39*	
		For >900 To 1,500, Deduct	*-3.48*	
		For >1,500 To 2,200, Deduct	*-5.07*	
		For >2,200 To 3,500, Deduct	*-6.51*	
		For >3,500, Deduct	*-7.95*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0008	SY	28 Ounce, Non-Patterned, Nylon Carpet Tile	60.86	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.94*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.55*	
		For >900 To 1,500, Deduct	*-3.70*	
		For >1,500 To 2,200, Deduct	*-5.38*	
		For >2,200 To 3,500, Deduct	*-6.90*	
		For >3,500, Deduct	*-8.43*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0009	SY	30 Ounce, Non-Patterned, Nylon Carpet Tile	61.80	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.60*	
		For >900 To 1,500, Deduct	*-3.76*	
		For >1,500 To 2,200, Deduct	*-5.48*	
		For >2,200 To 3,500, Deduct	*-7.02*	
		For >3,500, Deduct	*-8.57*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0010	SY	32 Ounce, Non-Patterned, Nylon Carpet Tile	62.39	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.63*	
		For >900 To 1,500, Deduct	*-3.80*	
		For >1,500 To 2,200, Deduct	*-5.54*	
		For >2,200 To 3,500, Deduct	*-7.10*	
		For >3,500, Deduct	*-8.66*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	62.88	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.84*	
		For >1,500 To 2,200, Deduct	*-5.59*	
		For >2,200 To 3,500, Deduct	*-7.16*	
		For >3,500, Deduct	*-8.73*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0012	SY	36 Ounce, Non-Patterned, Nylon Carpet Tile	64.57	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-1.01*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.74*	
		For >900 To 1,500, Deduct	*-3.96*	
		For >1,500 To 2,200, Deduct	*-5.75*	
		For >2,200 To 3,500, Deduct	*-7.37*	
		For >3,500, Deduct	*-8.98*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0013	SY	38 Ounce, Non-Patterned, Nylon Carpet Tile	67.91	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-1.08*	
		For >400 To 600, Deduct	*-1.62*	
		For >600 To 900, Deduct	*-2.90*	
		For >900 To 1,500, Deduct	*-4.19*	
		For >1,500 To 2,200, Deduct	*-6.09*	
		For >2,200 To 3,500, Deduct	*-7.79*	
		For >3,500, Deduct	*-9.48*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	71.50	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-1.15*	
		For >400 To 600, Deduct	*-1.72*	
		For >600 To 900, Deduct	*-3.08*	
		For >900 To 1,500, Deduct	*-4.44*	
		For >1,500 To 2,200, Deduct	*-6.45*	
		For >2,200 To 3,500, Deduct	*-8.23*	
		For >3,500, Deduct	*-10.02*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	78.39	5.74
		For Up To 15, Add	*2.81*	
		For >15 To 33, Add	*1.41*	
		For >200 To 400, Deduct	*-1.29*	
		For >400 To 600, Deduct	*-1.93*	
		For >600 To 900, Deduct	*-3.43*	
		For >900 To 1,500, Deduct	*-4.92*	
		For >1,500 To 2,200, Deduct	*-7.14*	
		For >2,200 To 3,500, Deduct	*-9.10*	
		For >3,500, Deduct	*-11.06*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles	13.96	

09 68 13 00-0017 Patterned Carpet Tiles *(09 68 13 00-0001)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	43.12	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.55*	
		For >400 To 600, Deduct	*-0.83*	
		For >600 To 900, Deduct	*-1.61*	
		For >900 To 1,500, Deduct	*-2.40*	
		For >1,500 To 2,200, Deduct	*-3.54*	
		For >2,200 To 3,500, Deduct	*-4.62*	
		For >3,500, Deduct	*-5.69*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	43.61	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.56*	
		For >400 To 600, Deduct	*-0.84*	
		For >600 To 900, Deduct	*-1.64*	
		For >900 To 1,500, Deduct	*-2.43*	
		For >1,500 To 2,200, Deduct	*-3.59*	
		For >2,200 To 3,500, Deduct	*-4.68*	
		For >3,500, Deduct	*-5.77*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0020	SY	20 Ounce, Patterned, Nylon Carpet Tile	45.77	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.61*	
		For >400 To 600, Deduct	*-0.91*	
		For >600 To 900, Deduct	*-1.75*	
		For >900 To 1,500, Deduct	*-2.59*	
		For >1,500 To 2,200, Deduct	*-3.80*	
		For >2,200 To 3,500, Deduct	*-4.95*	
		For >3,500, Deduct	*-6.09*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0021	SY	22 Ounce, Patterned, Nylon Carpet Tile	51.27	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.02*	
		For >900 To 1,500, Deduct	*-2.97*	
		For >1,500 To 2,200, Deduct	*-4.35*	
		For >2,200 To 3,500, Deduct	*-5.64*	
		For >3,500, Deduct	*-6.92*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0022	SY	24 Ounce, Patterned, Nylon Carpet Tile	56.63	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.23*	
		For >600 To 900, Deduct	*-2.29*	
		For >900 To 1,500, Deduct	*-3.35*	
		For >1,500 To 2,200, Deduct	*-4.89*	
		For >2,200 To 3,500, Deduct	*-6.31*	
		For >3,500, Deduct	*-7.72*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0023	SY	26 Ounce, Patterned, Nylon Carpet Tile	59.76	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.89*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.45*	
		For >900 To 1,500, Deduct	*-3.56*	
		For >1,500 To 2,200, Deduct	*-5.20*	
		For >2,200 To 3,500, Deduct	*-6.70*	
		For >3,500, Deduct	*-8.19*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0024	SY	28 Ounce, Patterned, Nylon Carpet Tile	62.98	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.43*	
		For >600 To 900, Deduct	*-2.61*	
		For >900 To 1,500, Deduct	*-3.79*	
		For >1,500 To 2,200, Deduct	*-5.52*	
		For >2,200 To 3,500, Deduct	*-7.10*	
		For >3,500, Deduct	*-8.67*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0025	SY	30 Ounce, Patterned, Nylon Carpet Tile	63.92	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.45*	
		For >600 To 900, Deduct	*-2.65*	
		For >900 To 1,500, Deduct	*-3.86*	
		For >1,500 To 2,200, Deduct	*-5.62*	
		For >2,200 To 3,500, Deduct	*-7.22*	
		For >3,500, Deduct	*-8.81*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0026	SY	32 Ounce, Patterned, Nylon Carpet Tile	64.52	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.98*	
		For >400 To 600, Deduct	*-1.47*	
		For >600 To 900, Deduct	*-2.68*	
		For >900 To 1,500, Deduct	*-3.90*	
		For >1,500 To 2,200, Deduct	*-5.68*	
		For >2,200 To 3,500, Deduct	*-7.29*	
		For >3,500, Deduct	*-8.90*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0027	SY	34 Ounce, Patterned, Nylon Carpet Tile	65.02	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.49*	
		For >600 To 900, Deduct	*-2.71*	
		For >900 To 1,500, Deduct	*-3.93*	
		For >1,500 To 2,200, Deduct	*-5.73*	
		For >2,200 To 3,500, Deduct	*-7.35*	
		For >3,500, Deduct	*-8.98*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile	66.74	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 900, Deduct	*-2.80*	
		For >900 To 1,500, Deduct	*-4.05*	
		For >1,500 To 2,200, Deduct	*-5.90*	
		For >2,200 To 3,500, Deduct	*-7.57*	
		For >3,500, Deduct	*-9.24*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile	70.13	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-1.09*	
		For >400 To 600, Deduct	*-1.64*	
		For >600 To 900, Deduct	*-2.97*	
		For >900 To 1,500, Deduct	*-4.29*	
		For >1,500 To 2,200, Deduct	*-6.24*	
		For >2,200 To 3,500, Deduct	*-7.99*	
		For >3,500, Deduct	*-9.75*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile	73.77	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-1.17*	
		For >400 To 600, Deduct	*-1.75*	
		For >600 To 900, Deduct	*-3.15*	
		For >900 To 1,500, Deduct	*-4.55*	
		For >1,500 To 2,200, Deduct	*-6.60*	
		For >2,200 To 3,500, Deduct	*-8.45*	
		For >3,500, Deduct	*-10.29*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile	80.77	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-1.31*	
		For >400 To 600, Deduct	*-1.96*	
		For >600 To 900, Deduct	*-3.50*	
		For >900 To 1,500, Deduct	*-5.04*	
		For >1,500 To 2,200, Deduct	*-7.30*	
		For >2,200 To 3,500, Deduct	*-9.32*	
		For >3,500, Deduct	*-11.34*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Cushion Backed Tile, Add	*6.00*	
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles	16.01	

09 68 13 00-0033 ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery ECO Series) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series)	97.11	5.74
		For Up To 15, Add	*3.09*	
		For >15 To 33, Add	*1.55*	
		For >200 To 400, Deduct	*-1.63*	
		For >400 To 600, Deduct	*-2.45*	
		For >600 To 900, Deduct	*-4.31*	
		For >900 To 1,500, Deduct	*-6.18*	
		For >1,500 To 2,200, Deduct	*-8.94*	
		For >2,200 To 3,500, Deduct	*-11.37*	
		For >3,500, Deduct	*-13.79*	

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Padding *(09 68 16 00-0001)*

09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	18.53	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.29*	
		For >400 To 600, Deduct	*-0.43*	
		For >600 To 900, Deduct	*-0.78*	
		For >900 To 1,500, Deduct	*-1.13*	
		For >1,500 To 2,200, Deduct	*-1.64*	
		For >2,200 To 3,500, Deduct	*-2.10*	
		For >3,500, Deduct	*-2.57*	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	19.37	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.30*	
		For >400 To 600, Deduct	*-0.45*	
		For >600 To 900, Deduct	*-0.82*	
		For >900 To 1,500, Deduct	*-1.19*	
		For >1,500 To 2,200, Deduct	*-1.72*	
		For >2,200 To 3,500, Deduct	*-2.21*	
		For >3,500, Deduct	*-2.69*	

09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0007	SY	1/4" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.23	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.41*	
		For >900 To 1,500, Deduct	*-0.62*	
		For >1,500 To 2,200, Deduct	*-0.91*	
		For >2,200 To 3,500, Deduct	*-1.19*	
		For >3,500, Deduct	*-1.47*	
09 68 16 00-0008	SY	5/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.81	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.66*	
		For >1,500 To 2,200, Deduct	*-0.97*	
		For >2,200 To 3,500, Deduct	*-1.26*	
		For >3,500, Deduct	*-1.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0009	SY	3/8" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	9.10	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.31*	
		For >900 To 1,500, Deduct	*-0.47*	
		For >1,500 To 2,200, Deduct	*-0.70*	
		For >2,200 To 3,500, Deduct	*-0.93*	
		For >3,500, Deduct	*-1.15*	
09 68 16 00-0010	SY	3/8" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.42	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.63*	
		For >1,500 To 2,200, Deduct	*-0.93*	
		For >2,200 To 3,500, Deduct	*-1.22*	
		For >3,500, Deduct	*-1.50*	
09 68 16 00-0011	SY	7/16" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.42	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.63*	
		For >1,500 To 2,200, Deduct	*-0.93*	
		For >2,200 To 3,500, Deduct	*-1.22*	
		For >3,500, Deduct	*-1.50*	
09 68 16 00-0012	SY	7/16" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.42	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.63*	
		For >1,500 To 2,200, Deduct	*-0.93*	
		For >2,200 To 3,500, Deduct	*-1.22*	
		For >3,500, Deduct	*-1.50*	
09 68 16 00-0013	SY	7/16" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	12.80	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.26*	
		For >600 To 900, Deduct	*-0.49*	
		For >900 To 1,500, Deduct	*-0.73*	
		For >1,500 To 2,200, Deduct	*-1.07*	
		For >2,200 To 3,500, Deduct	*-1.39*	
		For >3,500, Deduct	*-1.71*	
09 68 16 00-0014	SY	1/2" Thick, 5.5 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.29	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.21*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.62*	
		For >1,500 To 2,200, Deduct	*-0.92*	
		For >2,200 To 3,500, Deduct	*-1.20*	
		For >3,500, Deduct	*-1.48*	
09 68 16 00-0015	SY	1/2" Thick, 6 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	11.74	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.65*	
		For >1,500 To 2,200, Deduct	*-0.96*	
		For >2,200 To 3,500, Deduct	*-1.26*	
		For >3,500, Deduct	*-1.55*	
09 68 16 00-0016	SY	1/2" Thick, 8 Lb./CF, Bonded (Rebond) Polyurethane Foam Carpet Padding	13.38	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.18*	
		For >400 To 600, Deduct	*-0.27*	
		For >600 To 900, Deduct	*-0.52*	
		For >900 To 1,500, Deduct	*-0.77*	
		For >1,500 To 2,200, Deduct	*-1.13*	
		For >2,200 To 3,500, Deduct	*-1.46*	
		For >3,500, Deduct	*-1.79*	

09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0018	SY	0.175" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	19.80	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.31*	
		For >400 To 600, Deduct	*-0.47*	
		For >600 To 900, Deduct	*-0.84*	
		For >900 To 1,500, Deduct	*-1.22*	
		For >1,500 To 2,200, Deduct	*-1.77*	
		For >2,200 To 3,500, Deduct	*-2.26*	
		For >3,500, Deduct	*-2.76*	
09 68 16 00-0019	SY	0.250" Thick, 12 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	22.21	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.36*	
		For >400 To 600, Deduct	*-0.54*	
		For >600 To 900, Deduct	*-0.96*	
		For >900 To 1,500, Deduct	*-1.38*	
		For >1,500 To 2,200, Deduct	*-2.01*	
		For >2,200 To 3,500, Deduct	*-2.56*	
		For >3,500, Deduct	*-3.12*	
09 68 16 00-0020	SY	0.250" Thick, 16 Lb./CF, Froth Polyurethane Foam Rubber Carpet Padding	24.06	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.40*	
		For >400 To 600, Deduct	*-0.59*	
		For >600 To 900, Deduct	*-1.05*	
		For >900 To 1,500, Deduct	*-1.51*	
		For >1,500 To 2,200, Deduct	*-2.19*	
		For >2,200 To 3,500, Deduct	*-2.80*	
		For >3,500, Deduct	*-3.40*	
09 68 16 00-0021		Waffle Rubber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0022	SY	3/8" Thick, 90 Oz./SY Waffle Rubber Carpet Padding	22.86	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.37*	
		For >400 To 600, Deduct	*-0.56*	
		For >600 To 900, Deduct	*-0.99*	
		For >900 To 1,500, Deduct	*-1.43*	
		For >1,500 To 2,200, Deduct	*-2.07*	
		For >2,200 To 3,500, Deduct	*-2.65*	
		For >3,500, Deduct	*-3.22*	
09 68 16 00-0023		Flat Sponge Rubber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0024	SY	0.156" Thick, 62 Oz./SY Flat Sponge Rubber Carpet Padding	13.51	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.19*	
		For >400 To 600, Deduct	*-0.28*	
		For >600 To 900, Deduct	*-0.53*	
		For >900 To 1,500, Deduct	*-0.78*	
		For >1,500 To 2,200, Deduct	*-1.14*	
		For >2,200 To 3,500, Deduct	*-1.48*	
		For >3,500, Deduct	*-1.81*	
09 68 16 00-0025	SY	0.250" Thick, 68 Oz./SY Flat Sponge Rubber Carpet Padding	14.50	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.21*	
		For >400 To 600, Deduct	*-0.31*	
		For >600 To 900, Deduct	*-0.58*	
		For >900 To 1,500, Deduct	*-0.85*	
		For >1,500 To 2,200, Deduct	*-1.24*	
		For >2,200 To 3,500, Deduct	*-1.60*	
		For >3,500, Deduct	*-1.96*	
09 68 16 00-0026	SY	0.250" Thick, 80 Oz./SY Flat Sponge Rubber Carpet Padding	15.23	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.22*	
		For >400 To 600, Deduct	*-0.33*	
		For >600 To 900, Deduct	*-0.61*	
		For >900 To 1,500, Deduct	*-0.90*	
		For >1,500 To 2,200, Deduct	*-1.31*	
		For >2,200 To 3,500, Deduct	*-1.69*	
		For >3,500, Deduct	*-2.07*	
09 68 16 00-0027	SY	0.250" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	17.52	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.40*	
		For >600 To 900, Deduct	*-0.73*	
		For >900 To 1,500, Deduct	*-1.06*	
		For >1,500 To 2,200, Deduct	*-1.54*	
		For >2,200 To 3,500, Deduct	*-1.98*	
		For >3,500, Deduct	*-2.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0028	SY	0.370" Thick, 100 Oz./SY Flat Sponge Rubber Carpet Padding	17.71	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.27*	
		For >400 To 600, Deduct	*-0.40*	
		For >600 To 900, Deduct	*-0.74*	
		For >900 To 1,500, Deduct	*-1.07*	
		For >1,500 To 2,200, Deduct	*-1.56*	
		For >2,200 To 3,500, Deduct	*-2.00*	
		For >3,500, Deduct	*-2.44*	
09 68 16 00-0029		Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0030	SY	0.235" Thick, 20 Oz./SY Synthetic Fiber Carpet Padding	6.17	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.04*	
		For >400 To 600, Deduct	*-0.06*	
		For >600 To 900, Deduct	*-0.16*	
		For >900 To 1,500, Deduct	*-0.26*	
		For >1,500 To 2,200, Deduct	*-0.40*	
		For >2,200 To 3,500, Deduct	*-0.56*	
		For >3,500, Deduct	*-0.71*	
09 68 16 00-0031	SY	0.235" Thick, 24 Oz./SY Synthetic Fiber Carpet Padding	7.67	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.10*	
		For >600 To 900, Deduct	*-0.23*	
		For >900 To 1,500, Deduct	*-0.37*	
		For >1,500 To 2,200, Deduct	*-0.55*	
		For >2,200 To 3,500, Deduct	*-0.75*	
		For >3,500, Deduct	*-0.94*	
09 68 16 00-0032	SY	0.275" Thick, 28 Oz./SY Synthetic Fiber Carpet Padding	6.99	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.20*	
		For >900 To 1,500, Deduct	*-0.32*	
		For >1,500 To 2,200, Deduct	*-0.49*	
		For >2,200 To 3,500, Deduct	*-0.66*	
		For >3,500, Deduct	*-0.84*	
09 68 16 00-0033	SY	0.300" Thick, 32 Oz./SY Synthetic Fiber Carpet Padding	7.24	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.06*	
		For >400 To 600, Deduct	*-0.09*	
		For >600 To 900, Deduct	*-0.21*	
		For >900 To 1,500, Deduct	*-0.34*	
		For >1,500 To 2,200, Deduct	*-0.51*	
		For >2,200 To 3,500, Deduct	*-0.69*	
		For >3,500, Deduct	*-0.87*	
09 68 16 00-0034	SY	0.350" Thick, 40 Oz./SY Synthetic Fiber Carpet Padding	8.79	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.29*	
		For >900 To 1,500, Deduct	*-0.45*	
		For >1,500 To 2,200, Deduct	*-0.67*	
		For >2,200 To 3,500, Deduct	*-0.89*	
		For >3,500, Deduct	*-1.11*	
09 68 16 00-0035		Double Stick Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*		
09 68 16 00-0036	SY	0.300" Thick, 32 Oz./SY Double Stick Synthetic Fiber Carpet Padding	9.27	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.31*	
		For >900 To 1,500, Deduct	*-0.48*	
		For >1,500 To 2,200, Deduct	*-0.71*	
		For >2,200 To 3,500, Deduct	*-0.95*	
		For >3,500, Deduct	*-1.18*	
09 68 16 00-0037	SY	0.375" Thick, 40 Oz./SY Double Stick Synthetic Fiber Carpet Padding	10.47	2.80
		For Up To 15, Add	*0.85*	
		For >15 To 33, Add	*0.43*	
		For >200 To 400, Deduct	*-0.12*	
		For >400 To 600, Deduct	*-0.19*	
		For >600 To 900, Deduct	*-0.37*	
		For >900 To 1,500, Deduct	*-0.56*	
		For >1,500 To 2,200, Deduct	*-0.83*	
		For >2,200 To 3,500, Deduct	*-1.10*	
		For >3,500, Deduct	*-1.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0038		**Residential Broadloom Carpet** *(09 68 16)* Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY	25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	40.33	7.47
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.28*	
		For Up To 15, Add	*3.83*	
		For >15 To 33, Add	*1.92*	
		For >200 To 400, Deduct	*-0.42*	
		For >400 To 600, Deduct	*-0.63*	
		For >600 To 900, Deduct	*-1.35*	
		For >900, Deduct	*-2.06*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0040	SY	30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	45.31	7.47
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.28*	
		For Up To 15, Add	*3.83*	
		For >15 To 33, Add	*1.92*	
		For >200 To 400, Deduct	*-0.52*	
		For >400 To 600, Deduct	*-0.78*	
		For >600 To 900, Deduct	*-1.59*	
		For >900, Deduct	*-2.40*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0041	SY	32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	52.16	7.47
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.28*	
		For Up To 15, Add	*3.83*	
		For >15 To 33, Add	*1.92*	
		For >200 To 400, Deduct	*-0.66*	
		For >400 To 600, Deduct	*-0.99*	
		For >600 To 900, Deduct	*-1.94*	
		For >900, Deduct	*-2.88*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0042	SY	34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	59.32	7.47
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.28*	
		For Up To 15, Add	*3.83*	
		For >15 To 33, Add	*1.92*	
		For >200 To 400, Deduct	*-0.80*	
		For >400 To 600, Deduct	*-1.20*	
		For >600 To 900, Deduct	*-2.30*	
		For >900, Deduct	*-3.39*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0043	SY	40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	60.56	7.47
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.28*	
		For Up To 15, Add	*3.83*	
		For >15 To 33, Add	*1.92*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.36*	
		For >900, Deduct	*-3.47*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0044	SY	45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	62.51	8.22
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.47*	
		For Up To 15, Add	*4.09*	
		For >15 To 33, Add	*2.05*	
		For >200 To 400, Deduct	*-0.84*	
		For >400 To 600, Deduct	*-1.26*	
		For >600 To 900, Deduct	*-2.41*	
		For >900, Deduct	*-3.56*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0045	SY	48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	64.64	8.22
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.47*	
		For Up To 15, Add	*4.09*	
		For >15 To 33, Add	*2.05*	
		For >200 To 400, Deduct	*-0.88*	
		For >400 To 600, Deduct	*-1.33*	
		For >600 To 900, Deduct	*-2.52*	
		For >900, Deduct	*-3.71*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0046	SY	50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	69.93	8.22
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.47*	
		For Up To 15, Add	*4.09*	
		For >15 To 33, Add	*2.05*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.78*	
		For >900, Deduct	*-4.08*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0047	SY	60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	70.56	8.22
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.47*	
		For Up To 15, Add	*4.09*	
		For >15 To 33, Add	*2.05*	
		For >200 To 400, Deduct	*-1.00*	
		For >400 To 600, Deduct	*-1.50*	
		For >600 To 900, Deduct	*-2.81*	
		For >900, Deduct	*-4.12*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0048	SY	65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet	73.05	8.22
		For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	*3.47*	
		For Up To 15, Add	*4.09*	
		For >15 To 33, Add	*2.05*	
		For >200 To 400, Deduct	*-1.05*	
		For >400 To 600, Deduct	*-1.58*	
		For >600 To 900, Deduct	*-2.94*	
		For >900, Deduct	*-4.30*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0049 Commercial Broadloom Carpet *(09 68 16)*

Note: Level-loop pile or textured-loop pile broadloom carpet.

09 68 16 00-0050 Non-Patterned Broadloom Carpet *(09 68 16 00-0049)*

09 68 16 00-0051	SY	22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	51.44	23.56
		For Up To 15, Add	*3.14*	
		For >15 To 33, Add	*1.57*	
		For >200 To 400, Deduct	*-0.71*	
		For >400 To 600, Deduct	*-1.07*	
		For >600 To 900, Deduct	*-2.02*	
		For >900, Deduct	*-2.97*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0052	SY	24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	51.80	23.56
		For Up To 15, Add	*3.14*	
		For >15 To 33, Add	*1.57*	
		For >200 To 400, Deduct	*-0.72*	
		For >400 To 600, Deduct	*-1.08*	
		For >600 To 900, Deduct	*-2.04*	
		For >900, Deduct	*-3.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0053	SY	26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	52.33	23.56
		For Up To 15, Add	*3.14*	
		For >15 To 33, Add	*1.57*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.07*	
		For >900, Deduct	*-3.03*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0054	SY	28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	55.75	25.53
		For Up To 15, Add	*3.40*	
		For >15 To 33, Add	*1.70*	
		For >200 To 400, Deduct	*-0.77*	
		For >400 To 600, Deduct	*-1.16*	
		For >600 To 900, Deduct	*-2.19*	
		For >900, Deduct	*-3.22*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0055	SY	30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	57.84	25.53
		For Up To 15, Add	*3.40*	
		For >15 To 33, Add	*1.70*	
		For >200 To 400, Deduct	*-0.82*	
		For >400 To 600, Deduct	*-1.22*	
		For >600 To 900, Deduct	*-2.30*	
		For >900, Deduct	*-3.37*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0056	SY	32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	59.44	25.53
		For Up To 15, Add	*3.40*	
		For >15 To 33, Add	*1.70*	
		For >200 To 400, Deduct	*-0.85*	
		For >400 To 600, Deduct	*-1.27*	
		For >600 To 900, Deduct	*-2.38*	
		For >900, Deduct	*-3.48*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0057	SY	34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	64.92	27.48
		For Up To 15, Add	*3.66*	
		For >15 To 33, Add	*1.83*	
		For >200 To 400, Deduct	*-0.93*	
		For >400 To 600, Deduct	*-1.40*	
		For >600 To 900, Deduct	*-2.60*	
		For >900, Deduct	*-3.81*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0058	SY	36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	66.88	27.48
		For Up To 15, Add	*3.66*	
		For >15 To 33, Add	*1.83*	
		For >200 To 400, Deduct	*-0.97*	
		For >400 To 600, Deduct	*-1.46*	
		For >600 To 900, Deduct	*-2.70*	
		For >900, Deduct	*-3.95*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0059	SY	38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	69.07	27.48
		For Up To 15, Add	*3.66*	
		For >15 To 33, Add	*1.83*	
		For >200 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.52*	
		For >600 To 900, Deduct	*-2.81*	
		For >900, Deduct	*-4.10*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

09 68 16 00-0060 Patterned Broadloom Carpet *(09 68 16 00-0049)*

Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.

09 68 16 00-0061	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	53.55	23.56
		For Up To 15, Add	*3.46*	
		For >15 To 33, Add	*1.73*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.09*	
		For >600 To 900, Deduct	*-2.07*	
		For >900, Deduct	*-3.06*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0062	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	53.91	23.56
		For Up To 15, Add	*3.46*	
		For >15 To 33, Add	*1.73*	
		For >200 To 400, Deduct	*-0.73*	
		For >400 To 600, Deduct	*-1.10*	
		For >600 To 900, Deduct	*-2.09*	
		For >900, Deduct	*-3.08*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0063	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	54.45	23.56
		For Up To 15, Add	*3.46*	
		For >15 To 33, Add	*1.73*	
		For >200 To 400, Deduct	*-0.74*	
		For >400 To 600, Deduct	*-1.12*	
		For >600 To 900, Deduct	*-2.12*	
		For >900, Deduct	*-3.12*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0064	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	58.04	25.53
		For Up To 15, Add	*3.74*	
		For >15 To 33, Add	*1.87*	
		For >200 To 400, Deduct	*-0.79*	
		For >400 To 600, Deduct	*-1.18*	
		For >600 To 900, Deduct	*-2.25*	
		For >900, Deduct	*-3.31*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0065	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	60.16	25.53
		For Up To 15, Add	*3.74*	
		For >15 To 33, Add	*1.87*	
		For >200 To 400, Deduct	*-0.83*	
		For >400 To 600, Deduct	*-1.24*	
		For >600 To 900, Deduct	*-2.35*	
		For >900, Deduct	*-3.46*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0066	SY	32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	61.79	25.53
		For Up To 15, Add	*3.74*	
		For >15 To 33, Add	*1.87*	
		For >200 To 400, Deduct	*-0.86*	
		For >400 To 600, Deduct	*-1.29*	
		For >600 To 900, Deduct	*-2.43*	
		For >900, Deduct	*-3.58*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0067	SY	34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	67.46	27.48
		For Up To 15, Add	*4.03*	
		For >15 To 33, Add	*2.02*	
		For >200 To 400, Deduct	*-0.95*	
		For >400 To 600, Deduct	*-1.42*	
		For >600 To 900, Deduct	*-2.67*	
		For >900, Deduct	*-3.92*	
		For Cut Pile Carpet, Add	*1.50*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0068	SY	36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	69.45	27.48
		For Up To 15, Add	*4.03*	
		For >15 To 33, Add	*2.02*	
		For >200 To 400, Deduct	*-0.99*	
		For >400 To 600, Deduct	*-1.48*	
		For >600 To 900, Deduct	*-2.77*	
		For >900, Deduct	*-4.06*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0069	SY	38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet	71.67	27.48
		For Up To 15, Add	*4.03*	
		For >15 To 33, Add	*2.02*	
		For >200 To 400, Deduct	*-1.03*	
		For >400 To 600, Deduct	*-1.55*	
		For >600 To 900, Deduct	*-2.88*	
		For >900, Deduct	*-4.21*	
		For Cut Pile Carpet, Add	*1.50*	
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	*2.00*	
		For Moisture Barrier Backing, Add	*3.50*	
		For Installation On Stairs, Each Riser, Add	*6.00*	
09 68 16 00-0070		**Indoor/Outdoor Carpet** *(09 68 16)*		
		Note: Includes waterproof glue.		
09 68 16 00-0071	SY	Nylon Indoor/Outdoor Carpet	55.56	5.60
09 68 16 00-0072	SY	Ozite Indoor/Outdoor Carpet	42.22	5.60
09 68 16 00-0073		**Carpet Accessories** *(09 68 16)*		
09 68 16 00-0074	LF	Metal Carpet Saddle Strip, Up To 4" Wide	7.76	0.92
09 68 16 00-0075		**Removal And Reinstallation Of Carpet And Pad** *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0076	SY	Removal And Reinstallation Of Carpet And Pad	33.17	
09 68 16 00-0077		**Carpeting Support Functions** *(09 68 16)*		
09 68 16 00-0078		**Relocate Partitions, Modular Workstations** *(09 68 16 00-0077)*		
		Note: Includes disassembly and reassembly of workstation. Excludes electrical disconnection or reconnection.		
09 68 16 00-0079	EA	Relocate Modular Workstation	323.34	
09 68 16 00-0080		**Installation Of Owner Provided Broadloom Carpet** *(09 68 16)*		
09 68 16 00-0081	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	14.08	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.73*	
		For >15 To 33, Add	*1.37*	
09 68 16 00-0082	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	16.36	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.19*	
		For >15 To 33, Add	*1.59*	
09 68 16 00-0083	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	19.55	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.83*	
		For >15 To 33, Add	*1.91*	

09 69 Access Flooring *(09 60)*

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001		**Panels, No Covering** *(09 69 13)*		
09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	18.55	0.92
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	32.85	1.01
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	32.85	1.01
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	32.85	1.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 69 13 00-0006		**Pedestals** *(09 69 13)*		
09 69 13 00-0007	EA	6" To 12" Finished Floor Height, Pedestal Assembly	38.75	4.62
09 69 13 00-0008	EA	30" To 36" Finished Floor Height, Pedestal Assembly	46.25	4.62
09 69 13 00-0009		**Stringers** *(09 69 13)*		
09 69 13 00-0010	EA	2' Bolted Stringers, Access And Pedestal Floors	19.25	5.54
09 69 13 00-0011	EA	6' Bolted Stringers, Access And Pedestal Floors	53.32	13.86
09 69 13 00-0012		**Understructure** *(09 69 13)*		
09 69 13 00-0013	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	8.54	1.38
09 69 53		**Access Flooring Accessories** *(09 69)*		
09 69 53 00-0001		**Accessories** *(09 69 53)*		
09 69 53 00-0002	LF	Accessories, Handrail Access And Pedestal Floors	66.63	6.46
09 69 53 00-0003	LF	Accessories, Fascia Plate Access And Pedestal Floors	25.95	6.46
09 69 53 00-0004	EA	Machine Cutouts	209.09	
09 69 53 00-0005	SF	Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", 24").	47.54	3.05
09 69 53 00-0006	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	46.72	
09 69 53 00-0007	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	46.72	
09 69 53 00-0008	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	213.19	11.55
09 69 53 00-0009	EA	Flush Mounted Telephone Box (Grey/Black/Communications) Note: Includes cut hole.	148.47	11.55
09 69 53 00-0010	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	213.19	11.55
09 69 53 00-0011	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	111.52	1.85
09 69 53 00-0012		**Final Cleaning For Computer Room Raised Floor System** *(09 69 53)* Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.		
09 69 53 00-0013	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	3.27	
09 69 53 00-0014	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	3.40	
09 69 53 00-0015	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	3.36	

09 70 Wall Finishes *(09)*

09 72 Wall Coverings *(09 70)*

09 72 13 Cork Wall Coverings *(09 72)*

09 72 13 00-0001		**Cork Wall Covering** *(09 72 13)*		
09 72 13 00-0002	SF	1/8" Cork Wall Covering	4.87	0.80
09 72 13 00-0003	SF	1/4" Cork Wall Covering	6.13	0.80
09 72 13 00-0004	SF	1/2" Cork Wall Covering	7.14	0.80
09 72 13 00-0005	SF	3/4" Cork Wall Covering	10.09	0.80

09 72 16 Vinyl-Coated Fabric Wall Coverings *(09 72)*

09 72 16 13 Flexible Vinyl Wall Coverings *(09 72 16)*

09 72 16 13-0001		**Vinyl Wall Coverings** *(09 72 16 13)* Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 16 13-0002	SF	7 To 10 Oz./SY Vinyl Wall Covering	2.72	0.80
		For Owner Furnished Material, Deduct	*-1.47*	
09 72 16 13-0003	SF	11 To 14 Oz./SY Vinyl Wall Covering	3.48	0.80
		For Owner Furnished Material, Deduct	*-2.15*	
09 72 16 13-0004	SF	15 To 19 Oz./SY Vinyl Wall Covering	4.20	0.80
		For Owner Furnished Material, Deduct	*-2.69*	
09 72 16 13-0005	SF	20 To 25 Oz./SY Vinyl Wall Covering	4.78	0.80
		For Owner Furnished Material, Deduct	*-3.10*	
09 72 16 13-0006	SF	26 To 32 Oz./SY Vinyl Wall Covering	5.53	0.80
		For Owner Furnished Material, Deduct	*-3.78*	
09 72 16 13-0007	SF	33 To 38 Oz./SY Vinyl Wall Covering	6.61	0.80
		For Owner Furnished Material, Deduct	*-4.78*	

09 72 23 Wallpapering *(09 72)*

09 72 23 00-0001		**Wallpaper Coverings** *(09 72 23)* Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.		
09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	1.96	1.06
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	4.07	1.36
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	3.14	2.01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 73 Wall Carpeting *(09 70)*

09 73 00 00-0001 Carpet Wall Covering *(09 73)*

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	49.49	26.16
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	50.75	26.16
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	54.88	28.18
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	58.06	28.18
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	61.34	28.18
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	62.86	28.18
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	65.50	30.43
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	68.38	30.43

09 74 Flexible Wood Sheets *(09 70)*

09 74 16 Flexible Wood Veneers *(09 74)*

09 74 16 00-0001 Flexible Wood Veneer *(09 74 16)*

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	10.23	3.21
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	10.47	3.21
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	10.47	3.21
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	10.70	3.21
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	11.90	3.21
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	13.33	3.21
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	15.00	3.21

09 74 16 00-0009 Flexible Exotic Wood Veneer *(09 74 16)*

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	19.14	3.21

09 78 Interior Wall Paneling *(09 70)*

09 78 13 Metal Interior Wall Paneling *(09 78)*

09 78 13 00-0001 Stainless Steel Wall Base *(09 78 13)*

Note: Grade CS304 with #4 satin polish

09 78 13 00-0002 22 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	12.94	3.01
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	18.90	3.30
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	20.98	3.30
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	25.12	3.60
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	31.34	4.00
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	14.48	3.01
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	20.36	3.30
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	22.42	3.30
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	26.37	3.60
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	32.61	4.00
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	35.23	6.00
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	44.46	6.61
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	47.59	6.61
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	53.77	7.21
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	63.50	8.01
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	70.95	6.00
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	80.29	6.61
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	83.31	6.61
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	89.60	7.21
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	99.32	8.01
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	35.23	6.00
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	44.46	6.61
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	47.59	6.61
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	53.77	7.21
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	63.50	8.01
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	85.32	6.00
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	94.55	6.61
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	97.68	6.61
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	103.87	7.21
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	113.59	8.01

09 78 13 00-0033 16 Gauge Stainless Steel Wall Base *(09 78 13 00-0001)*

09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	21.85	3.01
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	36.81	3.30
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	42.14	3.30
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	51.70	3.60
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	68.62	4.00
09 78 13 00-0039	LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	23.29	3.01
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	38.21	3.30
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	43.16	3.30
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	53.14	3.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	68.24	4.00
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	48.56	6.00
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	71.23	6.61
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	79.14	6.61
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	93.87	7.21
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	117.03	8.01
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	84.35	6.00
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	107.01	6.61
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	115.07	6.61
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	129.69	7.21
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	152.75	8.01
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	48.56	6.00
09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	71.23	6.61
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	79.14	6.61
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	93.87	7.21
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	117.03	8.01
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	98.65	6.00
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	121.32	6.61
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	129.40	6.61
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	144.02	7.21
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	167.12	8.01

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB) *(09 81 16)*
Note: Mineral wool

09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.27	0.40
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.43	0.40
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.67	0.40
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.85	0.40
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.09	0.40
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.31	0.40
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.61	0.40
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	3.95	0.40

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.22	0.40

09 81 16 00-0013 Sound Attenuation Batts *(09 81 16)*
Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	1.88	0.53
09 81 16 00-0015	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	2.07	0.53
09 81 16 00-0016	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.22	0.53
09 81 16 00-0017	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	2.61	0.53
09 81 16 00-0018	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	2.73	0.53
09 81 16 00-0019	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	2.70	0.53
09 81 16 00-0020	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	2.83	0.53

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*
Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	14.22	2.66
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	21.00	2.66

09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System *(09 84 13)*
See CSI section 06 11 16 00-0211 for wood furring.

09 84 13 00-0005 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*
Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	15.76	3.01
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	14.60	3.01
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	18.24	3.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	18.27	3.01
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	20.11	3.01
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	20.11	3.01
09 84 13 00-0012		Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*		
		Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	18.29	3.01
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	21.29	3.01
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	21.29	3.01
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	24.28	3.01
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	24.28	3.01
09 84 13 00-0018		Sound Absorbing Panel, Eggcrate Style *(09 84 13)*		
		Note: Ceiling or wall hung back.		
09 84 13 00-0019	SF	2" Thick (Eggcrate Style) Polyurethane Sound Wave	14.02	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0020	SF	3" Thick (Eggcrate Style) Polyurethane Sound Wave	18.84	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0021	SF	4" Thick (Eggcrate Style) Polyurethane Sound Wave	25.03	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0022	SF	2" Thick (Eggcrate Style) Melamine Sound Wave	18.74	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0023	SF	3" Thick (Eggcrate Style) Melamine Sound Wave	29.36	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0024	SF	4" Thick (Eggcrate Style) Melamine Sound Wave	37.27	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0025		Sound Deadening Fiberboard *(09 84 13)*		
09 84 13 00-0026	SF	1/2" Sound Deadening Fiberboard	1.74	0.66
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.59*	
		For >128 To 320, Add	*0.36*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Brick Walls	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0004	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0005	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.38	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0006	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	2.07	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 13 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.14	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.74	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0010	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.70	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0011	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.76	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0012	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.56	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0013		Paint Exterior Concrete Walls *(09 91 13 00-0001)*		
09 91 13 00-0014	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Walls	0.15	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0015	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0016	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0017	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0018	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.70	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0019	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0020	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0021	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.63	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0022	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0023	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	1.01	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

09 91 13 00-0024 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0025 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0024)*

09 91 13 00-0026	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.22	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	1.21	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.37	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	2.42	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.02	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.12	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	2.01	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0033	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.88	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0034	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	0.95	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0035	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.88	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

09 91 13 00-0036 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0024)*

09 91 13 00-0037	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Block Walls	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0038	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	1.07	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0039	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	1.28	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0040	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	2.37	
		For Oil Based Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0041	SF	1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0042	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0043	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.11	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0044	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.95	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 13 00-0045	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.25	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0046	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.87	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0047	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	0.94	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0048	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.41	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0049	SF	1 Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls	1.19	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0050 Paint Exterior Drywall/Plaster Walls *(09 91 13 00-0001)*

09 91 13 00-0051	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Walls	0.15	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0052	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.86	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0053	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0054	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.68	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0055	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.70	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0056	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0057	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	1.27	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Epoxy Paint, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0058	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.63	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0059	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0060	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	1.09	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
		For Epoxy Paint, Add	*0.19*	

09 91 13 00-0061 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0062 Paint Exterior Galvanized Walls *(09 91 13 00-0061)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0063	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.08	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0064	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.18	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0065	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	2.17	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.82	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	0.93	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.76	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.74	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0070	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	0.93	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0071	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.61	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

09 91 13 00-0072 Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0061)*

Note: Alkyd enamel paint.

09 91 13 00-0073	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.08	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0074	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.18	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0075	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	2.16	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0076	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.94	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0077	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.04	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0078	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.98	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0079	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.80	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0080	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.93	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0081	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.61	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

09 91 13 00-0082 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0061)*

09 91 13 00-0083	LF	1 Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	13.38	
		For Work >15' To 20' Above Floor, Add	*1.69*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*2.81*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*4.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*6.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*8.75*	
		For >100 To 250, Add	*4.15*	
		For >250 To 500, Add	*1.79*	
		For >2,500 To 5,000, Deduct	*-0.67*	
		For >5,000 To 10,000, Deduct	*-1.34*	
		For >10,000 To 20,000, Deduct	*-2.01*	
		For >20,000, Deduct	*-2.68*	
09 91 13 00-0084	LF	1 Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	14.89	
		For Work >15' To 20' Above Floor, Add	*1.87*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*3.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*4.99*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*6.86*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*9.72*	
		For >100 To 250, Add	*4.61*	
		For >250 To 500, Add	*1.99*	
		For >2,500 To 5,000, Deduct	*-0.74*	
		For >5,000 To 10,000, Deduct	*-1.49*	
		For >10,000 To 20,000, Deduct	*-2.23*	
		For >20,000, Deduct	*-2.98*	
09 91 13 00-0085	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	27.75	
		For Work >15' To 20' Above Floor, Add	*3.52*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.87*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*9.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*12.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*18.24*	
		For >100 To 250, Add	*8.64*	
		For >250 To 500, Add	*3.73*	
		For >2,500 To 5,000, Deduct	*-1.39*	
		For >5,000 To 10,000, Deduct	*-2.78*	
		For >10,000 To 20,000, Deduct	*-4.16*	
		For >20,000, Deduct	*-5.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0086 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0061)*

09 91 13 00-0087	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls	0.91	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0088	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.15	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0089	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls	1.99	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

09 91 13 00-0090 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0091	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces	0.25	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.16*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0092	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces	1.40	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0093	SF	1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	1.54	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0094	SF	2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces	2.88	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.58*	
09 91 13 00-0095	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls	1.08	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0096	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0097	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls	2.29	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 13 00-0098	SF	1 Coat Primer, Sprayed, Paint Exterior Stucco Walls	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0099	SF	1 Coat Paint, Sprayed, Paint Exterior Stucco Walls	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0100	SF	2 Coats Paint, Sprayed, Paint Exterior Stucco Walls	2.00	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	

09 91 13 00-0101 Paint Exterior Wood Siding *(09 91 13 00-0001)*

09 91 13 00-0102 Paint Exterior Smooth Wood Siding *(09 91 13 00-0101)*
Note: Includes tongue and groove, beveled, drop or board and batten siding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0103	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding	0.21	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0104	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	1.20	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0105	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.26	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0106	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	2.26	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0107	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	0.99	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0108	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0109	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	2.00	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 13 00-0110	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.82	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0111	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0112	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.59	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0113		Paint Exterior Rough Wood Siding *(09 91 13 00-0101)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0114	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.59	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0115	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	1.57	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0116	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding	2.89	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.29*	
		For >10,000 To 20,000, Deduct	*-0.43*	
		For >20,000, Deduct	*-0.58*	
09 91 13 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.51	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.62	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	3.03	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.61*	
09 91 13 00-0120	SF	1 Coat Primer, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.14	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0121	SF	1 Coat Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	1.26	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0122	SF	2 Coats Paint, Sprayed, Paint Exterior Shingles, Shakes Or Rough Sawn Wood Siding	2.39	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

09 91 13 00-0123 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0124	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Vinyl Siding	0.16	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0125	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0126	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding	1.01	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0127	SF	2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding	1.91	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 13 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding	1.65	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0131	SF	1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding	0.83	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0132	SF	1 Coat Paint, Sprayed, Paint Exterior Vinyl Siding	0.97	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0133	SF	2 Coats Paint, Sprayed, Paint Exterior Vinyl Siding	1.91	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0134		Paint Exterior Ceilings *(09 91 13)*		
09 91 13 00-0135		Paint Exterior Concrete Ceilings *(09 91 13 00-0134)*		
09 91 13 00-0136	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Ceiling	0.16	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0137	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0138	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0139	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	1.79	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0140	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0141	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0142	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0143	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.65	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0144	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0145	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0146 Drywall/Plaster *(09 91 13 00-0134)*

09 91 13 00-0147	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.16	
		For Oil Based Paint, Add	*0.01*	
		For Epoxy Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
		For Epoxy Paint, Add	*0.02*	
09 91 13 00-0148	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Epoxy Paint, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0149	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.14*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0150	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.79	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.24*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.09*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0152	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0153	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.20*	
		For Epoxy Paint, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0154	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.65	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0155	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0156	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	1.22	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Epoxy Paint, Add	*0.20*	

09 91 13 00-0157 Paint Exterior Wood Ceilings *(09 91 13 00-0134)*

09 91 13 00-0158 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0157)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0159	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Ceiling	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 13 00-0160	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0161	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0162	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling	2.18	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0163	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	0.98	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0164	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.03	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0165	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling	1.87	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0166	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0167	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0168	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling	1.42	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0169		**Paint Exterior Rough Wood Ceilings** *(09 91 13 00-0157)*		
09 91 13 00-0170	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling	1.74	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.70*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0171	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling	1.71	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0172	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling	2.99	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.15*	
		For >5,000 To 10,000, Deduct	*-0.30*	
		For >10,000 To 20,000, Deduct	*-0.45*	
		For >20,000, Deduct	*-0.60*	
09 91 13 00-0173	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.62	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0174	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	1.72	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0175	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling	3.12	
		For Oil Based Paint, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.06*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.62*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.47*	
		For >20,000, Deduct	*-0.62*	
09 91 13 00-0176	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling	1.26	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0177	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling	1.38	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0178	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling	2.52	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.50*	

09 91 13 00-0179 Paint Exterior Metal Ceilings *(09 91 13 00-0134)*

09 91 13 00-0180 Paint Exterior Galvanized Ceilings *(09 91 13 00-0179)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0181	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling	1.18	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0182	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling	1.28	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0183	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling	2.37	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0184	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling	0.92	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0185	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.02	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0186	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling	1.83	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0187	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling	0.93	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0188	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.05	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0189	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling	1.73	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

09 91 13 00-0190 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0179)*

Note: Alkyd enamel paint.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0191	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.18	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0192	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.28	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0193	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.37	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.90*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.33*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0194	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.04	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0195	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.14	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0196	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling	2.08	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0197	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.93	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0198	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	0.93	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0199	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling	1.73	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

09 91 13 00-0200 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0179)*

09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.03	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	1.15	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling	2.14	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.01*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0204		Paint Exterior Floors *(09 91 13)*		
09 91 13 00-0205		Paint Exterior Concrete Floors *(09 91 13 00-0204)*		
09 91 13 00-0206	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Concrete Floors And Decks	0.13	
		For Up To 100, Add	*0.08*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0207	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0208	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0209	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.49	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0210	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0211	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0212	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.16	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.17*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0213	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.53	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0214	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0215	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	1.09	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.19*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0216	SF	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	2.15	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0217	SF	1 Coat Anti-Slip Paint, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	5.32	
		For Up To 100, Add	*1.10*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.27*	
		For >5,000 To 10,000, Deduct	*-0.53*	
		For >10,000 To 20,000, Deduct	*-0.80*	
		For >20,000, Deduct	*-1.06*	
09 91 13 00-0218	SF	1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	6.64	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000 To 10,000, Deduct	*-0.66*	
		For >10,000 To 20,000, Deduct	*-1.00*	
		For >20,000, Deduct	*-1.33*	

09 91 13 00-0219 Paint Exterior Wood Floors *(09 91 13 00-0204)*

09 91 13 00-0220	LF	1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Floors And Decks	0.17	
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 13 00-0221	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0222	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks	0.99	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0223	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks	1.87	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 13 00-0224	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.88	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0225	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0226	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks	1.56	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0227	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks	0.65	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0228	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0229	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks	1.30	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks	2.25	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks	6.74	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.40*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.67*	
		For >10,000 To 20,000, Deduct	*-1.01*	
		For >20,000, Deduct	*-1.35*	
09 91 13 00-0232		Paint Exterior Doors And Windows *(09 91 13)*		
09 91 13 00-0233		Paint Exterior Door Frames *(09 91 13 00-0232)*		
09 91 13 00-0234	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.14	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.31*	
09 91 13 00-0235	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	1.46	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.39*	
09 91 13 00-0236	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim	2.47	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.66*	
09 91 13 00-0237	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.15	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.31*	
09 91 13 00-0238	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	1.47	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.39*	
09 91 13 00-0239	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim	2.48	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.66*	
09 91 13 00-0240		Paint Exterior Metal Doors *(09 91 13 00-0232)*		
09 91 13 00-0241	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	54.83	
		Note: One face		
		For Half Louvered Door, Add	*4.42*	
		For Full Louvered Door, Add	*7.37*	
		For Electrostatic Painting, Add	*9.29*	
		For >5 To 10, Deduct	*-2.74*	
		For >10 To 25, Deduct	*-5.48*	
		For >25, Deduct	*-8.22*	
09 91 13 00-0242	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	54.83	
		Note: One face		
		For Half Louvered Door, Add	*4.42*	
		For Full Louvered Door, Add	*7.37*	
		For Electrostatic Painting, Add	*9.29*	
		For >5 To 10, Deduct	*-2.74*	
		For >10 To 25, Deduct	*-5.48*	
		For >25, Deduct	*-8.22*	
09 91 13 00-0243	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	100.18	
		Note: One face		
		For Half Louvered Door, Add	*7.47*	
		For Full Louvered Door, Add	*12.45*	
		For Electrostatic Painting, Add	*17.58*	
		For >5 To 10, Deduct	*-5.01*	
		For >10 To 25, Deduct	*-10.02*	
		For >25, Deduct	*-15.03*	
09 91 13 00-0244	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	98.42	
		Note: Both faces		
		For Half Louvered Door, Add	*7.93*	
		For Full Louvered Door, Add	*13.22*	
		For Electrostatic Painting, Add	*16.67*	
		For >5 To 10, Deduct	*-4.92*	
		For >10 To 25, Deduct	*-9.84*	
		For >25, Deduct	*-14.76*	
09 91 13 00-0245	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	98.42	
		Note: Both faces		
		For Half Louvered Door, Add	*7.93*	
		For Full Louvered Door, Add	*13.22*	
		For Electrostatic Painting, Add	*16.67*	
		For >5 To 10, Deduct	*-4.92*	
		For >10 To 25, Deduct	*-9.84*	
		For >25, Deduct	*-14.76*	
09 91 13 00-0246	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	180.54	
		Note: Both faces		
		For Half Louvered Door, Add	*13.41*	
		For Full Louvered Door, Add	*22.36*	
		For Electrostatic Painting, Add	*31.72*	
		For >5 To 10, Deduct	*-9.03*	
		For >10 To 25, Deduct	*-18.05*	
		For >25, Deduct	*-27.08*	
09 91 13 00-0247	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	52.06	
		Note: One face		
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For Electrostatic Painting, Add	*9.39*	
		For >5 To 10, Deduct	*-2.60*	
		For >10 To 25, Deduct	*-5.21*	
		For >25, Deduct	*-7.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0248	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	52.06	
		Note: One face		
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For Electrostatic Painting, Add	*9.39*	
		For >5 To 10, Deduct	*-2.60*	
		For >10 To 25, Deduct	*-5.21*	
		For >25, Deduct	*-7.81*	
09 91 13 00-0249	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	96.25	
		Note: One face		
		For Half Louvered Door, Add	*6.13*	
		For Full Louvered Door, Add	*10.21*	
		For Electrostatic Painting, Add	*17.94*	
		For >5 To 10, Deduct	*-4.81*	
		For >10 To 25, Deduct	*-9.63*	
		For >25, Deduct	*-14.44*	
09 91 13 00-0250	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	93.47	
		Note: Both faces		
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For Electrostatic Painting, Add	*16.86*	
		For >5 To 10, Deduct	*-4.67*	
		For >10 To 25, Deduct	*-9.35*	
		For >25, Deduct	*-14.02*	
09 91 13 00-0251	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	93.47	
		Note: Both faces		
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For Electrostatic Painting, Add	*16.86*	
		For >5 To 10, Deduct	*-4.67*	
		For >10 To 25, Deduct	*-9.35*	
		For >25, Deduct	*-14.02*	
09 91 13 00-0252	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	173.60	
		Note: Both faces		
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.35*	
		For Electrostatic Painting, Add	*32.39*	
		For >5 To 10, Deduct	*-8.68*	
		For >10 To 25, Deduct	*-17.36*	
		For >25, Deduct	*-26.04*	
09 91 13 00-0253	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.45	
		For Electrostatic Painting, Add	*0.31*	
09 91 13 00-0254	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.61	
		For Electrostatic Painting, Add	*0.35*	
09 91 13 00-0255	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	5.31	
		For Electrostatic Painting, Add	*0.69*	
09 91 13 00-0256	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.70	
		For Electrostatic Painting, Add	*0.33*	
09 91 13 00-0257	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.86	
		For Electrostatic Painting, Add	*0.37*	
09 91 13 00-0258	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	5.54	
		For Electrostatic Painting, Add	*0.72*	

09 91 13 00-0259 Paint Exterior Wood Doors *(09 91 13 00-0232)*

09 91 13 00-0260	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	51.35	
		Note: One face		
		For Half Louvered Door, Add	*4.42*	
		For Full Louvered Door, Add	*7.37*	
		For >5 To 10, Deduct	*-2.57*	
		For >10 To 25, Deduct	*-5.14*	
		For >25, Deduct	*-7.70*	
09 91 13 00-0261	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	51.35	
		Note: One face		
		For Half Louvered Door, Add	*4.42*	
		For Full Louvered Door, Add	*7.37*	
		For >5 To 10, Deduct	*-2.57*	
		For >10 To 25, Deduct	*-5.14*	
		For >25, Deduct	*-7.70*	
09 91 13 00-0262	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	93.27	
		Note: One face		
		For Half Louvered Door, Add	*7.47*	
		For Full Louvered Door, Add	*12.45*	
		For >5 To 10, Deduct	*-4.66*	
		For >10 To 25, Deduct	*-9.33*	
		For >25, Deduct	*-13.99*	
09 91 13 00-0263	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	92.17	
		Note: Both faces		
		For Half Louvered Door, Add	*7.93*	
		For Full Louvered Door, Add	*13.22*	
		For >5 To 10, Deduct	*-4.61*	
		For >10 To 25, Deduct	*-9.22*	
		For >25, Deduct	*-13.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0264	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	92.17	
		Note: Both faces		
		For Half Louvered Door, Add	*7.93*	
		For Full Louvered Door, Add	*13.22*	
		For >5 To 10, Deduct	*-4.61*	
		For >10 To 25, Deduct	*-9.22*	
		For >25, Deduct	*-13.83*	
09 91 13 00-0265	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	168.04	
		Note: Both faces		
		For Half Louvered Door, Add	*13.41*	
		For Full Louvered Door, Add	*22.36*	
		For >5 To 10, Deduct	*-8.40*	
		For >10 To 25, Deduct	*-16.80*	
		For >25, Deduct	*-25.21*	
09 91 13 00-0266	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	48.24	
		Note: One face		
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For >5 To 10, Deduct	*-2.41*	
		For >10 To 25, Deduct	*-4.82*	
		For >25, Deduct	*-7.24*	
09 91 13 00-0267	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	48.24	
		Note: One face		
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For >5 To 10, Deduct	*-2.41*	
		For >10 To 25, Deduct	*-4.82*	
		For >25, Deduct	*-7.24*	
09 91 13 00-0268	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	88.67	
		Note: One face		
		For Half Louvered Door, Add	*6.13*	
		For Full Louvered Door, Add	*10.22*	
		For >5 To 10, Deduct	*-4.43*	
		For >10 To 25, Deduct	*-8.87*	
		For >25, Deduct	*-13.30*	
09 91 13 00-0269	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	86.60	
		Note: Both faces		
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For >5 To 10, Deduct	*-4.33*	
		For >10 To 25, Deduct	*-8.66*	
		For >25, Deduct	*-12.99*	
09 91 13 00-0270	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	86.60	
		Note: Both faces		
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For >5 To 10, Deduct	*-4.33*	
		For >10 To 25, Deduct	*-8.66*	
		For >25, Deduct	*-12.99*	
09 91 13 00-0271	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	159.85	
		Note: Both faces		
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.35*	
		For >5 To 10, Deduct	*-7.99*	
		For >10 To 25, Deduct	*-15.99*	
		For >25, Deduct	*-23.98*	
09 91 13 00-0272	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.40	
09 91 13 00-0273	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.53	
09 91 13 00-0274	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.16	
09 91 13 00-0275	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.64	
09 91 13 00-0276	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.78	
09 91 13 00-0277	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	5.38	
09 91 13 00-0278		**Paint Exterior Metal Windows** *(09 91 13 00-0232)*		
		Note: Two finish coats paint over rust inhibitive primer.		
09 91 13 00-0279	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	82.92	
		For Electrostatic Painting, Add	*10.82*	
		For >5 To 10, Deduct	*-4.15*	
		For >10 To 25, Deduct	*-8.29*	
		For >25, Deduct	*-12.44*	
09 91 13 00-0280	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	102.26	
		For Electrostatic Painting, Add	*14.13*	
		For >5 To 10, Deduct	*-5.11*	
		For >10 To 25, Deduct	*-10.23*	
		For >25, Deduct	*-15.34*	
09 91 13 00-0281	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	138.62	
		For Electrostatic Painting, Add	*19.40*	
		For >5 To 10, Deduct	*-6.93*	
		For >10 To 25, Deduct	*-13.86*	
		For >25, Deduct	*-20.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0282	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	156.15	
		For Electrostatic Painting, Add	*21.88*	
		For >5 To 10, Deduct	*-7.81*	
		For >10 To 25, Deduct	*-15.62*	
		For >25, Deduct	*-23.42*	
09 91 13 00-0283	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	173.03	
		For Electrostatic Painting, Add	*24.19*	
		For >5 To 10, Deduct	*-8.65*	
		For >10 To 25, Deduct	*-17.30*	
		For >25, Deduct	*-25.95*	
09 91 13 00-0284	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim	5.49	
		For Electrostatic Painting, Add	*0.77*	

09 91 13 00-0285 Paint Exterior Wood Windows *(09 91 13 00-0232)*

Note: Two finish coats paint over primer.

09 91 13 00-0286	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	80.61	
		For >5 To 10, Deduct	*-4.03*	
		For >10 To 25, Deduct	*-8.06*	
		For >25, Deduct	*-12.09*	
09 91 13 00-0287	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	98.69	
		For >5 To 10, Deduct	*-4.93*	
		For >10 To 25, Deduct	*-9.87*	
		For >25, Deduct	*-14.80*	
09 91 13 00-0288	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	133.55	
		For >5 To 10, Deduct	*-6.68*	
		For >10 To 25, Deduct	*-13.36*	
		For >25, Deduct	*-20.03*	
09 91 13 00-0289	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	150.43	
		For >5 To 10, Deduct	*-7.52*	
		For >10 To 25, Deduct	*-15.04*	
		For >25, Deduct	*-22.56*	
09 91 13 00-0290	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	166.73	
		For >5 To 10, Deduct	*-8.34*	
		For >10 To 25, Deduct	*-16.67*	
		For >25, Deduct	*-25.01*	
09 91 13 00-0291	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim	5.55	

09 91 13 00-0292 Paint Exterior Security Screens *(09 91 13 00-0232)*

09 91 13 00-0293	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen	1.44	
		For Electrostatic Painting, Add	*0.20*	
09 91 13 00-0294	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen	1.43	
		For Electrostatic Painting, Add	*0.18*	
09 91 13 00-0295	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen	2.37	
		For Electrostatic Painting, Add	*0.31*	

09 91 13 00-0296 Paint Exterior Window Guards *(09 91 13 00-0232)*

09 91 13 00-0297	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards	1.44	
09 91 13 00-0298	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	1.43	
09 91 13 00-0299	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards	2.37	

09 91 13 00-0300 Paint Exterior Window Trim *(09 91 13 00-0232)*

09 91 13 00-0301	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.34	
09 91 13 00-0302	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.34	
09 91 13 00-0303	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	2.21	
09 91 13 00-0304	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.56	
09 91 13 00-0305	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.56	
09 91 13 00-0306	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	2.67	

09 91 13 00-0307 Paint Exterior Roofing And Trim *(09 91 13)*

09 91 13 00-0308 Paint Stain Or Seal Wood Roofing *(09 91 13 00-0307)*

09 91 13 00-0309	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake	2.02	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.21*	
09 91 13 00-0310	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake	3.74	
		For Up To 100, Add	*1.70*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.38*	

09 91 13 00-0311 Paint Metal Roofing *(09 91 13 00-0307)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0312	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing	0.90	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0313	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing	1.56	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0314		Paint Fascia Board *(09 91 13 00-0307)*		
09 91 13 00-0315	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board	0.84	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0316	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board	0.84	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0317	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board	1.45	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0318		Paint Soffit *(09 91 13 00-0307)*		
09 91 13 00-0319	SF	1 Coat Primer, Brush/Roller Work, Paint Soffit	1.02	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0320	SF	1 Coat Paint, Brush/Roller Work, Paint Soffit	1.02	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0321	SF	2 Coats Paint, Brush/Roller Work, Paint Soffit	1.73	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0322		Acrylic Elastomeric Coating For All Types Of Roofs *(09 91 13 00-0307)*		
09 91 13 00-0323	SF	2 Coats, Energy-Armor Ultra SunWhite Ultra Premium Acrylic Elastomeric Roof Coating (ICP APOC® AP-252)	3.07	
09 91 13 00-0324		Elastomeric Coating For All Types Of Roofs *(09 91 13 00-0307)*		
09 91 13 00-0325	SF	1 Coat, White Elastomeric Lquid Silicone Roof Membrane Coating (ICP APOC® Armor Flex® AP-585) Note: Per Coat	3.78	
09 91 13 00-0326		Paint Metal Surfaces *(09 91 13)* Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0327		Paint Structural Steel *(09 91 13 00-0326)*		
09 91 13 00-0328		Paint Structural Steel, Brush Work *(09 91 13 00-0327)*		
09 91 13 00-0329	SF	1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel	0.99	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0330	SF	1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel	0.88	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0331		Paint Structural Steel, Spray Work *(09 91 13 00-0327)*		
09 91 13 00-0332	SF	1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel	0.76	
		For Electrostatic Painting, Add	*0.11*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0333	SF	1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel	0.65	
		For Electrostatic Painting, Add	*0.10*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0334		Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0327)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0335	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.85	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0336	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.85	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0337	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.44	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0338	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.25	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0339	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.21	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0340	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	2.30	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For Epoxy Paint, Add	*0.37*	
09 91 13 00-0341	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	1.06	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0342	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	1.06	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0343	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	1.81	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For Epoxy Paint, Add	*0.31*	

09 91 13 00-0344 Paint Steel Pipes *(09 91 13 00-0326)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0345	LF	1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.64	
		For Electrostatic Painting, Add	*0.22*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0346	LF	1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.84	
		For Electrostatic Painting, Add	*0.25*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0347	LF	1 Coat Primer, 4" Diameter, Paint Steel Pipes	2.07	
		For Electrostatic Painting, Add	*0.28*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0348	LF	1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes	2.59	
		For Electrostatic Painting, Add	*0.35*	
		For Epoxy Paint, Add	*0.31*	
09 91 13 00-0349	LF	1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes	3.27	
		For Electrostatic Painting, Add	*0.44*	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0350	LF	1 Coat Paint, 1/2"To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	1.64	
		For Electrostatic Painting, Add	*0.22*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0351	LF	1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	1.84	
		For Electrostatic Painting, Add	*0.25*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0352	LF	1 Coat Paint, 4" Diameter, Paint Steel Pipes	2.07	
		For Electrostatic Painting, Add	*0.28*	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0353	LF	1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes	2.59	
		For Electrostatic Painting, Add	*0.35*	
		For Epoxy Paint, Add	*0.31*	
09 91 13 00-0354	LF	1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes	3.27	
		For Electrostatic Painting, Add	*0.44*	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0355	LF	2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe	3.38	
		For Electrostatic Painting, Add	*0.48*	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0356	LF	2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe	3.68	
		For Electrostatic Painting, Add	*0.50*	
		For Epoxy Paint, Add	*0.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0357	LF	2 Coats Paint, 4" Diameter, Paint Steel Pipes	3.99	
		For Electrostatic Painting, Add	*0.54*	
		For Epoxy Paint, Add	*0.49*	
09 91 13 00-0358	LF	2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes	5.03	
		For Electrostatic Painting, Add	*0.68*	
		For Epoxy Paint, Add	*0.61*	
09 91 13 00-0359	LF	2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes	6.20	
		For Electrostatic Painting, Add	*0.85*	
		For Epoxy Paint, Add	*0.76*	
09 91 13 00-0360	EA	1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box	7.70	
		For Electrostatic Painting, Add	*0.83*	
		For Epoxy Paint, Add	*0.50*	
09 91 13 00-0361		**Paint Metal Louvers** *(09 91 13 00-0326)*		
09 91 13 00-0362	SF	1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.33	
		For Electrostatic Painting, Add	*0.17*	
09 91 13 00-0363	SF	1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	1.36	
		For Electrostatic Painting, Add	*0.17*	
09 91 13 00-0364	SF	2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area	2.79	
		For Electrostatic Painting, Add	*0.36*	
09 91 13 00-0365		**Paint Ladders** *(09 91 13 00-0326)*		
09 91 13 00-0366	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders	3.52	
		For Epoxy Paint, Add	*0.23*	
09 91 13 00-0367	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	3.93	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0368	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders	7.71	
		For Epoxy Paint, Add	*0.46*	
09 91 13 00-0369		**Paint Handrails** *(09 91 13 00-0326)*		
09 91 13 00-0370	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.43	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0371	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	1.58	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0372	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket	2.57	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0373	LF	1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	2.76	
		For Epoxy Paint, Add	*0.40*	
09 91 13 00-0374	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	3.00	
		For Epoxy Paint, Add	*0.41*	
09 91 13 00-0375	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets	5.09	
		For Epoxy Paint, Add	*0.64*	
09 91 13 00-0376	LF	1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	2.95	
		For Epoxy Paint, Add	*0.41*	
09 91 13 00-0377	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	3.22	
		For Epoxy Paint, Add	*0.42*	
09 91 13 00-0378	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets	5.38	
		For Epoxy Paint, Add	*0.66*	
09 91 13 00-0379	LF	1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades	1.64	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0380	LF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	1.79	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0381	LF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades	3.28	
		For Epoxy Paint, Add	*0.42*	
09 91 13 00-0382		**Paint Grating** *(09 91 13 00-0326)*		
09 91 13 00-0383	SF	1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames	2.58	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0384	SF	1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames	2.64	
		For Epoxy Paint, Add	*0.21*	
09 91 13 00-0385	SF	2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames	3.99	
		For Epoxy Paint, Add	*0.35*	
09 91 13 00-0386		**Equipment And Tanks** *(09 91 13 00-0326)*		
09 91 13 00-0387		**Paint Valves** *(09 91 13 00-0386)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0388	EA	Prime And Paint 4" Diameter And Smaller Valve	28.19	
09 91 13 00-0389	EA	Prime And Paint 6" To 10" Diameter Valve	34.77	
09 91 13 00-0390	EA	Prime And Paint 12" To 18" Diameter Valve	45.57	
09 91 13 00-0391	EA	Prime And Paint 20" To 24" Diameter Valve	60.58	
09 91 13 00-0392	EA	Prime And Paint >24" To 36" Diameter Valve	82.17	
09 91 13 00-0393	EA	Prime And Paint >36" To 48" Diameter Valve	112.73	
09 91 13 00-0394		**Paint Pumps And Motors** *(09 91 13 00-0386)*		
		Note: Includes 1 coat primer and 1 coat paint finish		
09 91 13 00-0395	EA	Prime And Paint Pump Under 1 HP	86.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0396	EA	Prime And Paint Pump, 1 HP To 5 HP	115.68	
09 91 13 00-0397	EA	Prime And Paint Pump, >5 HP To 10 HP	140.21	
09 91 13 00-0398	EA	Prime And Paint Pump, >10 HP To 20 HP	158.15	
09 91 13 00-0399	EA	Prime And Paint Pump, >20 HP To 30 HP	184.51	
09 91 13 00-0400	EA	Prime And Paint Pump, >30 HP To 50 HP	210.86	
09 91 13 00-0401	EA	Prime And Paint Pump, >50 HP To 75 HP	233.02	
09 91 13 00-0402	EA	Prime And Paint Pump, >75 HP	263.58	

09 91 13 00-0403 Paint Storage Tanks *(09 91 13 00-0386)*

09 91 13 00-0404	SF	1 Coat Primer, Roller, Paint Storage Tank, Exterior Surface	1.13	
09 91 13 00-0405	SF	1 Coat Paint, Roller, Paint Storage Tank, Exterior Surface	1.52	
09 91 13 00-0406	SF	2 Coats Paint, Roller, Paint Storage Tank, Exterior Surface	2.89	
09 91 13 00-0407	SF	1 Coat Primer, Roller, Paint Storage Tank, Interior Surface	1.48	
09 91 13 00-0408	SF	1 Coat Paint, Roller, Paint Storage Tank, Interior Surface	1.91	
09 91 13 00-0409	SF	2 Coats Paint, Roller, Paint Storage Tank, Interior Surface	3.67	
09 91 13 00-0410	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Exterior Surface	1.23	
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Exterior Surface	1.55	
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Exterior Surface	3.03	
09 91 13 00-0413	SF	1 Coat Primer, Sprayed, Paint Storage Tank, Interior Surface	1.41	
09 91 13 00-0414	SF	1 Coat Paint, Sprayed, Paint Storage Tank, Interior Surface	1.87	
09 91 13 00-0415	SF	2 Coats Paint, Sprayed, Paint Storage Tank, Interior Surface	3.63	

09 91 13 00-0416 Other Site Work Painting *(09 91 13)*

09 91 13 00-0417 Paint Fencing *(09 91 13 00-0416)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0418	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.83	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 91 13 00-0419	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.56	
		For Epoxy Paint, Add	*0.21*	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 91 13 00-0420	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.77	
		For Epoxy Paint, Add	*0.12*	
		For Electrostatic Painting, Add	*0.12*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0421	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.45	
		For Epoxy Paint, Add	*0.23*	
		For Electrostatic Painting, Add	*0.23*	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0422	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.78	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0423	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence	0.72	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0424	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.53	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0425	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	0.95	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0426	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence	0.95	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0427	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.69	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0428	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences	0.74	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0429	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences	1.34	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0430	SF	1 Coat Paint, Sprayed, Paint Wood Fences	0.60	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0431	SF	2 Coats Paint, Sprayed, Paint Wood Fences	1.15	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	

09 91 13 00-0432 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0416)*

09 91 13 00-0433	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel	2.80	
09 91 13 00-0434	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	2.81	
09 91 13 00-0435	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel	5.02	
09 91 13 00-0436	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.83	
09 91 13 00-0437	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	1.85	
09 91 13 00-0438	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel	3.43	

09 91 13 00-0439 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0416)*

09 91 13 00-0440	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.45	
09 91 13 00-0441	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	3.46	
09 91 13 00-0442	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel	6.17	
09 91 13 00-0443	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.21	
09 91 13 00-0444	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	2.23	
09 91 13 00-0445	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel	4.13	

09 91 13 00-0446 Paint Flagpoles *(09 91 13 00-0416)*

09 91 13 00-0447	EA	1 Coat Paint, 20' High, Paint Steel Flagpole	232.51	
09 91 13 00-0448	EA	1 Coat Paint, 30' High, Paint Steel Flagpole	313.75	
09 91 13 00-0449	EA	1 Coat Paint, 40' High, Paint Steel Flagpole	395.03	
09 91 13 00-0450	EA	1 Coat Paint, 50' High, Paint Steel Flagpole	476.32	
09 91 13 00-0451	EA	1 Coat Paint, 70' High, Paint Steel Flagpole	628.10	
09 91 13 00-0452	EA	1 Coat Paint, 80' High, Paint Steel Flagpole	708.03	
09 91 13 00-0453	EA	1 Coat Paint, 90' High, Paint Steel Flagpole	787.98	

09 91 13 00-0454 Paint Lattice Or Trellis *(09 91 13 00-0416)*

09 91 13 00-0455	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	1.43	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 91 13 00-0456	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis	2.66	
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.35*	

09 91 13 00-0457 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0458 Paint Exterior Concrete Stairs *(09 91 13 00-0457)*

09 91 13 00-0459	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	15.31	
09 91 13 00-0460	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	15.31	
09 91 13 00-0461	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	21.49	
09 91 13 00-0462	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	39.45	
09 91 13 00-0463	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Concrete Stair	30.64	

09 91 13 00-0464 Paint Exterior Metal Stairs *(09 91 13 00-0457)*

09 91 13 00-0465	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	8.18	
		For Oil Based Paint, Add	*0.46*	
09 91 13 00-0466	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	8.18	
		For Oil Based Paint, Add	*0.46*	
09 91 13 00-0467	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Metal Stair	16.36	
		For Oil Based Paint, Add	*0.91*	

09 91 13 00-0468 Paint Exterior Wood Stairs *(09 91 13 00-0457)*

09 91 13 00-0469	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	8.05	
09 91 13 00-0470	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	8.05	
09 91 13 00-0471	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	14.23	
09 91 13 00-0472	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	32.19	
09 91 13 00-0473	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Exterior Wood Stair	16.11	

09 91 13 00-0474 Paint Exterior Stair Nosing *(09 91 13 00-0457)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0475	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	1.55	

09 91 13 00-0476 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0477 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0476)*

09 91 13 00-0478	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.09	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0479	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.19	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0480	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	2.16	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.92*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0481	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.00	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0482	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.08	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0483	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.95	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0484	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	1.70	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
09 91 13 00-0485	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	2.08	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.81*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		

09 91 13 00-0486 Paint Exterior Wood Trim *(09 91 13 00-0476)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0487	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Trim	1.63	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0488	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Trim	1.77	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0489	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Trim	3.24	
		For Oil Based Paint, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >2,500 To 5,000, Deduct	*-0.16*	
		For >5,000 To 10,000, Deduct	*-0.32*	
		For >10,000 To 20,000, Deduct	*-0.49*	
		For >20,000, Deduct	*-0.65*	
09 91 13 00-0490	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.32	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0491	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	1.47	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0492	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim	2.75	
		For Oil Based Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.41*	
		For >20,000, Deduct	*-0.55*	
09 91 13 00-0493	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Trim	1.14	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0494	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Trim	1.26	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0495	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Trim	2.39	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.48*	

09 91 13 00-0496 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0497	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.34	
		For Epoxy Paint, Add	*0.18*	
		For Electrostatic Painting, Add	*0.19*	
09 91 13 00-0498	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	1.21	
		For Epoxy Paint, Add	*0.14*	
		For Electrostatic Painting, Add	*0.16*	
09 91 13 00-0499	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces	2.45	
		For Epoxy Paint, Add	*0.28*	
		For Electrostatic Painting, Add	*0.33*	

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0326 for additional interior materials.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0001		Paint Interior Walls *(09 91 23)*		
09 91 23 00-0002		Paint Interior Brick Walls *(09 91 23 00-0001)*		
09 91 23 00-0003	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Brick Walls	0.19	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0004	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0005	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0006	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	2.07	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0007	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0009	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	1.78	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0010	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0011	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.09*	
09 91 23 00-0012	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.44	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
		For Backroll, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	1.04	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	0.87	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0015	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Brick Walls	0.79	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.09*	

09 91 23 00-0016 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0017	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0019	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0020	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0021	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.42	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0023	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0024	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0025	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	0.89	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.73	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0028	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.65	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0029	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Walls	0.15	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

09 91 23 00-0030 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0031 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0030)*

09 91 23 00-0032	LF	1 Coat Epoxy Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.48	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	1.19	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.37	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	2.46	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.25*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.98	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.08	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	2.05	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0039	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.83	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.09*	
09 91 23 00-0040	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.00	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.11*	
09 91 23 00-0041	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.84	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
		For Backroll, Add	*0.20*	

09 91 23 00-0042 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0030)*

09 91 23 00-0043	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Block Walls	0.22	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0044	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0045	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0046	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	2.37	
		For Oil Based Paint, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.47*	
09 91 23 00-0047	SF	1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0048	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.93	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0049	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0050	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.99	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0051	SF	1 Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.23	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0052	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0053	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	0.97	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0054	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.60	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
		For Backroll, Add	*0.17*	
09 91 23 00-0055	SF	1 Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls	1.13	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.13*	

09 91 23 00-0056 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0030)*

09 91 23 00-0057	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	1.13	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0058	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	0.97	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0059	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	0.89	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.10*	

09 91 23 00-0060 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*

09 91 23 00-0061 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0060)*

09 91 23 00-0062	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Plaster/Drywall Walls	0.15	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0063	SF	1 Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0064	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	0.93	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.13*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0065	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Orange Peel Finish, Add	*0.24*	
		For Epoxy Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0066	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0067	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0068	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.43	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.19*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0069	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0070	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0071	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.13*	

09 91 23 00-0072 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0060)*

09 91 23 00-0073	SF	2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	1.92	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0074	SF	3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.10	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0075	SF	4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls	2.27	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	

09 91 23 00-0076 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0060)*

09 91 23 00-0077	SF	1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.78	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0078	SF	1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	0.91	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0079	SF	2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls	1.43	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0080	SF	Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls	1.37	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0081		Paint Interior Metal Walls *(09 91 23 00-0001)*		
09 91 23 00-0082		Paint Interior Galvanized Walls *(09 91 23 00-0081)*		
		Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0083	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	1.16	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0084	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.27	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0085	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	2.33	
		For Electrostatic Painting, Add	*0.35*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0086	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	0.88	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0087	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	1.00	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0088	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	1.88	
		For Electrostatic Painting, Add	*0.28*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0089	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.78	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.07*	
09 91 23 00-0090	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	0.99	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0091	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.69	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
		For Backroll, Add	*0.17*	
09 91 23 00-0092		Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0081)*		
		Note: Alkyd enamel paint.		
09 91 23 00-0093	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.16	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0094	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	1.27	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0095	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces	2.32	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0096	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.00	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0097	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	1.11	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0098	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls	2.10	
		For Electrostatic Painting, Add	*0.34*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
09 91 23 00-0099	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.85	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.08*	
09 91 23 00-0100	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	0.99	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0101	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls	1.69	
		For Electrostatic Painting, Add	*0.30*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	
		For Backroll, Add	*0.17*	

09 91 23 00-0102 Paint Interior Corrugated Metal Walls *(09 91 23 00-0081)*

09 91 23 00-0103	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	0.95	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.09*	
09 91 23 00-0104	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.23	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.14*	
09 91 23 00-0105	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.10	
		For Electrostatic Painting, Add	*0.36*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.42*	
		For Backroll, Add	*0.22*	

09 91 23 00-0106 Paint Interior Stucco Walls *(09 91 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0107	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Stucco Wall Surfaces	0.26	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0108	SF	1 Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.45	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0109	SF	1 Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	1.59	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0110	SF	2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.83	
		For Oil Based Paint, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.83*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
		For >2,500 To 5,000, Deduct	*-0.14*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 20,000, Deduct	*-0.42*	
		For >20,000, Deduct	*-0.57*	
09 91 23 00-0111	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0112	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	1.25	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0113	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces	2.31	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0114	SF	1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	
09 91 23 00-0115	SF	1 Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.01	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.12*	
09 91 23 00-0116	SF	2 Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces	1.96	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.77*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
		For Backroll, Add	*0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0117		Paint Interior Wood Walls *(09 91 23 00-0001)*		
09 91 23 00-0118		Interior Wood Walls *(09 91 23 00-0117)*		
09 91 23 00-0119	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Wall Surfaces	0.18	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0120	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0121	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.00	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.91*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0122	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0123	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0124	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	1.57	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0125	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0126	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0127	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.37	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
		For Backroll, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0128		Paint Interior Ceilings *(09 91 23)*		
09 91 23 00-0129		Paint Interior Acoustical Ceilings *(09 91 23 00-0128)*		
		Note: Includes grid.		
09 91 23 00-0130	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Acoustical Ceiling	0.30	
		For Oil Based Paint, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.06*	
09 91 23 00-0131	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0132	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0133	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	1.86	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0134	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0135	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0136	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.52	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0137	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0138	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0139	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	1.19	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.14*	

09 91 23 00-0140 Paint Interior Concrete Ceilings *(09 91 23 00-0128)*

09 91 23 00-0141	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Ceiling	0.17	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0142	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0143	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0144	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	1.86	
		For Oil Based Paint, Add	*0.11*	
		For Epoxy Paint, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0145	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0146	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0147	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.53	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.69*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0148	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.72	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.09*	
09 91 23 00-0149	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.73	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0150	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	1.18	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.14*	
09 91 23 00-0151	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	1.00	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0152	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.78	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0153	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.76	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	

09 91 23 00-0154 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0128)*

09 91 23 00-0155	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Drywall/Plaster Ceiling	0.17	
		For Epoxy Paint, Add	*0.01*	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.12*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0156	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	0.96	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0157	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.04	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0158	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.86	
		For Epoxy Paint, Add	*0.18*	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.26*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.87*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0159	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.83	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0160	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.82	
		For Epoxy Paint, Add	*0.08*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0161	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.52	
		For Epoxy Paint, Add	*0.16*	
		For Oil Based Paint, Add	*0.09*	
		For Orange Peel Finish, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0162	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.76	
		For Epoxy Paint, Add	*0.10*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0163	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.73	
		For Epoxy Paint, Add	*0.09*	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0164	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	1.19	
		For Epoxy Paint, Add	*0.16*	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.14*	

09 91 23 00-0165 Paint Interior Metal Ceilings *(09 91 23 00-0128)*

09 91 23 00-0166 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0165)*
Note: Linseed oil or acrylic latex paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0167	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Ceiling	1.27	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0168	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Ceiling	1.39	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0169	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling	2.55	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0170	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling	0.99	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0171	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	1.10	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0172	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling	2.03	
		For Electrostatic Painting, Add	*0.29*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.41*	
09 91 23 00-0173	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling	0.99	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.11*	
09 91 23 00-0174	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Ceiling	1.12	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.13*	
09 91 23 00-0175	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Ceiling	1.83	
		For Electrostatic Painting, Add	*0.31*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
		For Backroll, Add	*0.19*	

09 91 23 00-0176 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0165)*
Note: Alkyd enamel paint.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0177	SF	1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.27	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0178	SF	1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.39	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0179	SF	2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.55	
		For Electrostatic Painting, Add	*0.37*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.13*	
		For >5,000 To 10,000, Deduct	*-0.26*	
		For >10,000 To 20,000, Deduct	*-0.38*	
		For >20,000, Deduct	*-0.51*	
09 91 23 00-0180	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.11	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.57*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0181	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.22	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0182	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling	2.32	
		For Electrostatic Painting, Add	*0.36*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0183	SF	1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	0.99	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
		For Backroll, Add	*0.11*	
09 91 23 00-0184	SF	1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.12	
		For Electrostatic Painting, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.13*	
09 91 23 00-0185	SF	2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling	1.83	
		For Electrostatic Painting, Add	*0.31*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
		For Backroll, Add	*0.19*	

09 91 23 00-0186 Paint Interior Ceiling Tile Grid *(09 91 23 00-0165)*
Note: Grid only.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0187	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.26	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.17*	
		For >100 To 250, Add	*0.08*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 20,000, Deduct	*-0.04*	
		For >20,000, Deduct	*-0.05*	
09 91 23 00-0188	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid	0.54	
		For Electrostatic Painting, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

09 91 23 00-0189 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0165)*

09 91 23 00-0190	SF	1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling	1.31	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Backroll, Add	*0.14*	
09 91 23 00-0191	SF	1 Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	1.49	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.51*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
		For Backroll, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0192	SF	2 Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling	2.44	
		For Electrostatic Painting, Add	*0.42*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.37*	
		For >20,000, Deduct	*-0.49*	
		For Backroll, Add	*0.25*	

09 91 23 00-0193 Paint Interior Wood Ceilings *(09 91 23 00-0128)*

09 91 23 00-0194 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0193)*

09 91 23 00-0195	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Smooth Ceiling	0.20	
		For Oil Based Paint, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.13*	
		For >100 To 250, Add	*0.06*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	
09 91 23 00-0196	SF	1 Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling	1.18	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0197	SF	1 Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling	1.23	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0198	SF	2 Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling	2.23	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.45*	
09 91 23 00-0199	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0200	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0201	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling	1.95	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0202	SF	1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0203	SF	1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.12*	
09 91 23 00-0204	SF	2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling	1.39	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.17*	

09 91 23 00-0205 Paint Interior Wood Beams *(09 91 23 00-0128)*

09 91 23 00-0206	SF	1 Coat Primer, Brush Work, Paint Interior Wood Beams	1.30	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0207	SF	1 Coat Paint, Brush Work, Paint Interior Wood Beams	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF	2 Coats Paint, Brush Work, Paint Interior Wood Beams	2.43	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.24*	
		For >10,000 To 20,000, Deduct	*-0.36*	
		For >20,000, Deduct	*-0.49*	
09 91 23 00-0209	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0210	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams	1.03	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0211	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams	1.95	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0212	SF	1 Coat Primer, Sprayed, Paint Interior Wood Beams	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0213	SF	1 Coat Paint, Sprayed, Paint Interior Wood Beams	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.12*	
09 91 23 00-0214	SF	2 Coats Paint, Sprayed, Paint Interior Wood Beams	1.51	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
		For Backroll, Add	*0.18*	

09 91 23 00-0215 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0216 Paint Interior Concrete Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0217	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Concrete Floors And Decks	0.13	
		For Up To 100, Add	*0.09*	
		For >100 To 250, Add	*0.04*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.01*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0218	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0219	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0220	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.60	
		For Oil Based Paint, Add	*0.09*	
		For Epoxy Paint, Add	*0.16*	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0221	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0222	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.71	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0223	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.14*	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0224	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.09*	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0225	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.08*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0226	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.16*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
		For Backroll, Add	*0.12*	
09 91 23 00-0227	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.78	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0228	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.76	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0229	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.63	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0230	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	2.32	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0231	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	6.81	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 20,000, Deduct	*-1.02*	
		For >20,000, Deduct	*-1.36*	

09 91 23 00-0232 Paint Interior Wood Floors And Decks *(09 91 23 00-0215)*

09 91 23 00-0233	LF	1 Coat Paint, Cut-in Brush Work, Paint Interior Wood Floors And Decks	0.16	
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	
09 91 23 00-0234	SF	1 Coat Primer, Brush Work, Paint Interior Wood Floors And Decks	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0235	SF	1 Coat Paint, Brush Work, Paint Interior Wood Floors And Decks	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0236	SF	2 Coats Paint, Brush Work, Paint Interior Wood Floors And Decks	1.88	
		For Oil Based Paint, Add	*0.12*	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0237	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0238	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0239	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks	1.61	
		For Oil Based Paint, Add	*0.11*	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0240	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0241	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0242	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks	1.13	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.13*	
09 91 23 00-0243	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks	2.32	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0244	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks	6.81	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.41*	
		For >2,500 To 5,000, Deduct	*-0.34*	
		For >5,000 To 10,000, Deduct	*-0.68*	
		For >10,000 To 20,000, Deduct	*-1.02*	
		For >20,000, Deduct	*-1.36*	

09 91 23 00-0245 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0246 Paint Interior Door Frames *(09 91 23 00-0245)*

09 91 23 00-0247	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.10	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.29*	
09 91 23 00-0248	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.42	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.37*	
09 91 23 00-0249	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	2.40	
		For Oil Based Paint, Add	*0.13*	
		For Painting One Face Of Frame Only, Deduct	*-0.63*	
09 91 23 00-0250	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0251	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.47	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.39*	
09 91 23 00-0252	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	2.48	
		For Oil Based Paint, Add	*0.14*	
		For Painting One Face Of Frame Only, Deduct	*-0.66*	

09 91 23 00-0253 Paint Interior Metal Doors *(09 91 23 00-0245)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0254	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door	58.11	
		For Electrostatic Painting, Add	*9.61*	
		For Half Louvered Door, Add	*4.91*	
		For Full Louvered Door, Add	*8.19*	
		For Oil Based Paint, Add	*4.17*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.81*	
		For >25, Deduct	*-8.72*	
09 91 23 00-0255	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	58.11	
		For Electrostatic Painting, Add	*9.61*	
		For Half Louvered Door, Add	*4.91*	
		For Full Louvered Door, Add	*8.19*	
		For Oil Based Paint, Add	*4.17*	
		For >5 To 10, Deduct	*-2.91*	
		For >10 To 25, Deduct	*-5.81*	
		For >25, Deduct	*-8.72*	
09 91 23 00-0256	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door	105.71	
		For Electrostatic Painting, Add	*18.13*	
		For Half Louvered Door, Add	*8.30*	
		For Full Louvered Door, Add	*13.83*	
		For Oil Based Paint, Add	*7.80*	
		For >5 To 10, Deduct	*-5.29*	
		For >10 To 25, Deduct	*-10.57*	
		For >25, Deduct	*-15.86*	
09 91 23 00-0257	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door	104.28	
		For Electrostatic Painting, Add	*17.26*	
		For Half Louvered Door, Add	*8.81*	
		For Full Louvered Door, Add	*14.68*	
		For Oil Based Paint, Add	*7.49*	
		For >5 To 10, Deduct	*-5.21*	
		For >10 To 25, Deduct	*-10.43*	
		For >25, Deduct	*-15.64*	
09 91 23 00-0258	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	104.29	
		For Electrostatic Painting, Add	*17.26*	
		For Half Louvered Door, Add	*8.81*	
		For Full Louvered Door, Add	*14.69*	
		For Oil Based Paint, Add	*7.49*	
		For >5 To 10, Deduct	*-5.21*	
		For >10 To 25, Deduct	*-10.43*	
		For >25, Deduct	*-15.64*	
09 91 23 00-0259	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door	190.49	
		For Electrostatic Painting, Add	*32.72*	
		For Half Louvered Door, Add	*14.91*	
		For Full Louvered Door, Add	*24.85*	
		For Oil Based Paint, Add	*14.08*	
		For >5 To 10, Deduct	*-9.52*	
		For >10 To 25, Deduct	*-19.05*	
		For >25, Deduct	*-28.57*	
09 91 23 00-0260	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door	52.06	
		For Electrostatic Painting, Add	*9.39*	
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For Oil Based Paint, Add	*4.00*	
		For >5 To 10, Deduct	*-2.60*	
		For >10 To 25, Deduct	*-5.21*	
		For >25, Deduct	*-7.81*	
		For Backroll, Add	*5.02*	
09 91 23 00-0261	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door	52.06	
		For Electrostatic Painting, Add	*9.39*	
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For Oil Based Paint, Add	*4.00*	
		For >5 To 10, Deduct	*-2.60*	
		For >10 To 25, Deduct	*-5.21*	
		For >25, Deduct	*-7.81*	
		For Backroll, Add	*5.02*	
09 91 23 00-0262	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door	96.25	
		For Electrostatic Painting, Add	*17.94*	
		For Half Louvered Door, Add	*6.13*	
		For Full Louvered Door, Add	*10.21*	
		For Oil Based Paint, Add	*7.58*	
		For >5 To 10, Deduct	*-4.81*	
		For >10 To 25, Deduct	*-9.63*	
		For >25, Deduct	*-14.44*	
		For Backroll, Add	*8.90*	
09 91 23 00-0263	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door	93.47	
		For Electrostatic Painting, Add	*16.86*	
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For Oil Based Paint, Add	*7.18*	
		For >5 To 10, Deduct	*-4.67*	
		For >10 To 25, Deduct	*-9.35*	
		For >25, Deduct	*-14.02*	
		For Backroll, Add	*9.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0264	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door	93.47	
		For Electrostatic Painting, Add	*16.86*	
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For Oil Based Paint, Add	*7.18*	
		For >5 To 10, Deduct	*-4.67*	
		For >10 To 25, Deduct	*-9.35*	
		For >25, Deduct	*-14.02*	
		For Backroll, Add	*9.01*	
09 91 23 00-0265	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door	173.60	
		For Electrostatic Painting, Add	*32.39*	
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.35*	
		For Oil Based Paint, Add	*13.69*	
		For >5 To 10, Deduct	*-8.68*	
		For >10 To 25, Deduct	*-17.36*	
		For >25, Deduct	*-26.04*	
		For Backroll, Add	*16.02*	

09 91 23 00-0266 Paint Interior Wood Doors *(09 91 23 00-0245)*

09 91 23 00-0267	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door	49.23	
		For Oil Based Paint, Add	*3.29*	
		For Half Louvered Door, Add	*4.91*	
		For Full Louvered Door, Add	*8.19*	
		For >5 To 10, Deduct	*-2.46*	
		For >10 To 25, Deduct	*-4.92*	
		For >25, Deduct	*-7.38*	
09 91 23 00-0268	EA	1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	49.23	
		For Oil Based Paint, Add	*3.29*	
		For Half Louvered Door, Add	*4.91*	
		For Full Louvered Door, Add	*8.19*	
		For >5 To 10, Deduct	*-2.46*	
		For >10 To 25, Deduct	*-4.92*	
		For >25, Deduct	*-7.38*	
09 91 23 00-0269	EA	2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door	88.07	
		For Oil Based Paint, Add	*6.04*	
		For Half Louvered Door, Add	*8.30*	
		For Full Louvered Door, Add	*13.84*	
		For >5 To 10, Deduct	*-4.40*	
		For >10 To 25, Deduct	*-8.81*	
		For >25, Deduct	*-13.21*	
09 91 23 00-0270	EA	1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door	88.33	
		For Oil Based Paint, Add	*5.90*	
		For Half Louvered Door, Add	*8.81*	
		For Full Louvered Door, Add	*14.69*	
		For >5 To 10, Deduct	*-4.42*	
		For >10 To 25, Deduct	*-8.83*	
		For >25, Deduct	*-13.25*	
09 91 23 00-0271	EA	1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	88.33	
		For Oil Based Paint, Add	*5.90*	
		For Half Louvered Door, Add	*8.81*	
		For Full Louvered Door, Add	*14.69*	
		For >5 To 10, Deduct	*-4.42*	
		For >10 To 25, Deduct	*-8.83*	
		For >25, Deduct	*-13.25*	
09 91 23 00-0272	EA	2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door	158.57	
		For Oil Based Paint, Add	*10.89*	
		For Half Louvered Door, Add	*14.91*	
		For Full Louvered Door, Add	*24.85*	
		For >5 To 10, Deduct	*-7.93*	
		For >10 To 25, Deduct	*-15.86*	
		For >25, Deduct	*-23.79*	
09 91 23 00-0273	EA	1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door	42.29	
		For Oil Based Paint, Add	*3.02*	
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For >5 To 10, Deduct	*-2.11*	
		For >10 To 25, Deduct	*-4.23*	
		For >25, Deduct	*-6.34*	
		For Backroll, Add	*4.53*	
09 91 23 00-0274	EA	1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door	42.29	
		For Oil Based Paint, Add	*3.02*	
		For Half Louvered Door, Add	*3.63*	
		For Full Louvered Door, Add	*6.05*	
		For >5 To 10, Deduct	*-2.11*	
		For >10 To 25, Deduct	*-4.23*	
		For >25, Deduct	*-6.34*	
		For Backroll, Add	*4.53*	
09 91 23 00-0275	EA	2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door	76.86	
		For Oil Based Paint, Add	*5.64*	
		For Half Louvered Door, Add	*6.13*	
		For Full Louvered Door, Add	*10.22*	
		For >5 To 10, Deduct	*-3.84*	
		For >10 To 25, Deduct	*-7.69*	
		For >25, Deduct	*-11.53*	
		For Backroll, Add	*7.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0276	EA	1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door	75.91	
		For Oil Based Paint, Add	*5.42*	
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For >5 To 10, Deduct	*-3.80*	
		For >10 To 25, Deduct	*-7.59*	
		For >25, Deduct	*-11.39*	
		For Backroll, Add	*8.13*	
09 91 23 00-0277	EA	1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door	75.91	
		For Oil Based Paint, Add	*5.42*	
		For Half Louvered Door, Add	*6.50*	
		For Full Louvered Door, Add	*10.84*	
		For >5 To 10, Deduct	*-3.80*	
		For >10 To 25, Deduct	*-7.59*	
		For >25, Deduct	*-11.39*	
		For Backroll, Add	*8.13*	
09 91 23 00-0278	EA	2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door	138.48	
		For Oil Based Paint, Add	*10.18*	
		For Half Louvered Door, Add	*11.01*	
		For Full Louvered Door, Add	*18.35*	
		For >5 To 10, Deduct	*-6.92*	
		For >10 To 25, Deduct	*-13.85*	
		For >25, Deduct	*-20.77*	
		For Backroll, Add	*14.26*	

09 91 23 00-0279 Paint Interior Metal Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0280	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	90.26	
		For Oil Based Paint, Add	*5.35*	
		For Electrostatic Painting, Add	*11.55*	
		For >5 To 10, Deduct	*-4.51*	
		For >10 To 25, Deduct	*-9.03*	
		For >25, Deduct	*-13.54*	
09 91 23 00-0281	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	110.73	
		For Oil Based Paint, Add	*6.84*	
		For Electrostatic Painting, Add	*14.98*	
		For >5 To 10, Deduct	*-5.54*	
		For >10 To 25, Deduct	*-11.07*	
		For >25, Deduct	*-16.61*	
09 91 23 00-0282	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	149.92	
		For Oil Based Paint, Add	*9.34*	
		For Electrostatic Painting, Add	*20.53*	
		For >5 To 10, Deduct	*-7.50*	
		For >10 To 25, Deduct	*-14.99*	
		For >25, Deduct	*-22.49*	
09 91 23 00-0283	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	168.87	
		For Oil Based Paint, Add	*10.53*	
		For Electrostatic Painting, Add	*23.15*	
		For >5 To 10, Deduct	*-8.44*	
		For >10 To 25, Deduct	*-16.89*	
		For >25, Deduct	*-25.33*	
09 91 23 00-0284	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	187.15	
		For Oil Based Paint, Add	*11.65*	
		For Electrostatic Painting, Add	*25.61*	
		For >5 To 10, Deduct	*-9.36*	
		For >10 To 25, Deduct	*-18.72*	
		For >25, Deduct	*-28.07*	
09 91 23 00-0285	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	5.94	
		For Oil Based Paint, Add	*0.37*	
		For Electrostatic Painting, Add	*0.81*	

09 91 23 00-0286 Paint Interior Wood Windows *(09 91 23 00-0245)*

Note: Two finish coats paint over primer.

09 91 23 00-0287	EA	Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	84.37	
		For Oil Based Paint, Add	*4.77*	
		For >5 To 10, Deduct	*-4.22*	
		For >10 To 25, Deduct	*-8.44*	
		For >25, Deduct	*-12.66*	
09 91 23 00-0288	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	101.62	
		For Oil Based Paint, Add	*5.93*	
		For >5 To 10, Deduct	*-5.08*	
		For >10 To 25, Deduct	*-10.16*	
		For >25, Deduct	*-15.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0289	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	140.89	
		For Oil Based Paint, Add	*8.24*	
		For >5 To 10, Deduct	*-7.04*	
		For >10 To 25, Deduct	*-14.09*	
		For >25, Deduct	*-21.13*	
09 91 23 00-0290	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	158.64	
		For Oil Based Paint, Add	*9.29*	
		For >5 To 10, Deduct	*-7.93*	
		For >10 To 25, Deduct	*-15.86*	
		For >25, Deduct	*-23.80*	
09 91 23 00-0291	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	171.06	
		For Oil Based Paint, Add	*10.05*	
		For >5 To 10, Deduct	*-8.55*	
		For >10 To 25, Deduct	*-17.11*	
		For >25, Deduct	*-25.66*	
09 91 23 00-0292	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	5.71	
		For Oil Based Paint, Add	*0.33*	

09 91 23 00-0293 Paint Interior Security Screens *(09 91 23 00-0245)*

09 91 23 00-0294	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	1.44	
		For Oil Based Paint, Add	*0.09*	
		For Electrostatic Painting, Add	*0.20*	
09 91 23 00-0295	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	1.43	
		For Oil Based Paint, Add	*0.09*	
		For Electrostatic Painting, Add	*0.18*	
09 91 23 00-0296	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	2.37	
		For Oil Based Paint, Add	*0.14*	
		For Electrostatic Painting, Add	*0.31*	

09 91 23 00-0297 Paint Interior Window Guards *(09 91 23 00-0245)*

09 91 23 00-0298	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards	1.44	
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0299	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards	1.43	
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0300	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards	2.37	
		For Oil Based Paint, Add	*0.14*	

09 91 23 00-0301 Paint Interior Window Trim *(09 91 23 00-0245)*

09 91 23 00-0302	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.38*	
09 91 23 00-0303	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	1.33	
		For Oil Based Paint, Add	*0.08*	
		For Painting One Face Of Frame Only, Deduct	*-0.38*	
09 91 23 00-0304	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim	2.91	
		For Oil Based Paint, Add	*0.18*	
		For Painting One Face Of Frame Only, Deduct	*-0.82*	
09 91 23 00-0305	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.58	
		For Painting One Face Of Frame Only, Deduct	*-0.48*	
09 91 23 00-0306	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	1.58	
		For Painting One Face Of Frame Only, Deduct	*-0.48*	
09 91 23 00-0307	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim Note: Brush/roller work.	3.40	
		For Painting One Face Of Frame Only, Deduct	*-1.02*	

09 91 23 00-0308 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0309 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0308)*

09 91 23 00-0310	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.22	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0311	SF	1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	1.67	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0312	SF	1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework	2.77	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0313		**Paint Exposed Metal Lockers And Cabinets** *(09 91 23 00-0308)*		
09 91 23 00-0314	SF	1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker	1.34	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0315	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	1.32	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0316	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker	2.45	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0317		**Paint Interior Stairs** *(09 91 23)*		
09 91 23 00-0318		**Paint Interior Concrete Stairs** *(09 91 23 00-0317)*		
		Note: Includes the riser and tread.		
09 91 23 00-0319	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	16.74	
09 91 23 00-0320	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	16.74	
09 91 23 00-0321	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	15.04	
		Note: Excludes riser.		
09 91 23 00-0322	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	33.00	
		Note: Excludes riser.		
09 91 23 00-0323	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Concrete Stair	33.46	
09 91 23 00-0324		**Paint Interior Metal Stairs** *(09 91 23 00-0317)*		
		Note: Includes the riser and tread.		
09 91 23 00-0325	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	9.34	
09 91 23 00-0326	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	8.99	
09 91 23 00-0327	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Metal Stair	17.98	
09 91 23 00-0328		**Paint Interior Wood Stairs** *(09 91 23 00-0317)*		
		Note: Includes the riser and tread.		
09 91 23 00-0329	RSR	1 Coat Primer, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	8.67	
09 91 23 00-0330	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	8.67	
09 91 23 00-0331	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	11.00	
		Note: Excludes riser.		
09 91 23 00-0332	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	28.96	
		Note: Excludes riser.		
09 91 23 00-0333	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Up To 4' Wide Interior Wood Stair	17.32	
09 91 23 00-0334		**Paint Interior Stair Nosing** *(09 91 23 00-0317)*		
09 91 23 00-0335	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip	1.50	
09 91 23 00-0336		**Paint Interior Trim** *(09 91 23)*		
09 91 23 00-0337		**Paint Interior Metal Trim** *(09 91 23 00-0336)*		
09 91 23 00-0338	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim	1.19	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0339	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim	1.29	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0340	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim	2.34	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.02*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0341	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.00	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0342	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.09	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0343	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim	1.97	
		For Work >15' To 20' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0344 Paint Interior Wood Trim *(09 91 23 00-0336)*

09 91 23 00-0345	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.75	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.04*	
09 91 23 00-0346	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.83	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.05*	
09 91 23 00-0347	LF	2 Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	1.73	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.09*	
09 91 23 00-0348	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	2.32	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.80*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.11*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.13*	
09 91 23 00-0349	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	2.58	
		For Work >15' To 20' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.23*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0350	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	4.69	
		For Work >15' To 20' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*1.00*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*2.19*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.27*	
09 91 23 00-0351	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	1.91	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.88*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0352	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	2.14	
		For Work >15' To 20' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.72*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.98*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0353	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	3.87	
		For Work >15' To 20' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.74*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.23*	

09 91 23 00-0354 Paint Interior Metal Surfaces *(09 91 23)*

09 91 23 00-0355 Paint Interior Miscellaneous Metal Surfaces *(09 91 23 00-0354)*

09 91 23 00-0356	SF	1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.85	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0357	SF	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.99	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0358	SF	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.76	
		For Electrostatic Painting, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0359	SF	1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.13	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.14*	
09 91 23 00-0360	SF	1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.13	
		For Electrostatic Painting, Add	*0.15*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.14*	
09 91 23 00-0361	SF	2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.85	
		For Electrostatic Painting, Add	*0.26*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
		For Backroll, Add	*0.23*	
09 91 23 00-0362	LF	1 Coat Alkyd Enamel, Cut-in Brush Work, Paint Interior Miscellaneous Exposed Metal	0.16	
		For Electrostatic Painting, Add	*0.02*	
		For Work >15' To 20' Above Floor, Add	*0.02*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.10*	
		For >100 To 250, Add	*0.05*	
		For >250 To 500, Add	*0.02*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.02*	
		For >20,000, Deduct	*-0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0363		**Stencil Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.		
09 91 23 00-0364	EA	Up To 1" High, Stencil Painting, Per Letter/Number	1.91	
		For >200 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.31*	
		For >2,000, Deduct	*-0.38*	
09 91 23 00-0365	EA	1" To 2" High, Stencil Painting, Per Letter/Number	2.20	
		For >200 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.28*	
		For >1,000 To 2,000, Deduct	*-0.35*	
		For >2,000, Deduct	*-0.44*	
09 91 23 00-0366	EA	2" To 3" High, Stencil Painting, Per Letter/Number	3.69	
		For >200 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
		For >1,000 To 2,000, Deduct	*-0.59*	
		For >2,000, Deduct	*-0.74*	
09 91 23 00-0367	EA	3" To 4" High, Stencil Painting, Per Letter/Number	4.54	
		For >200 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.57*	
		For >1,000 To 2,000, Deduct	*-0.73*	
		For >2,000, Deduct	*-0.91*	
09 91 23 00-0368	EA	4" To 6" High, Stencil Painting, Per Letter/Number	6.24	
		For >200 To 500, Deduct	*-0.50*	
		For >500 To 1,000, Deduct	*-0.78*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000, Deduct	*-1.25*	
09 91 23 00-0369	EA	6" To 12" High, Stencil Painting, Per Letter/Number	8.27	
		For >200 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-1.32*	
		For >2,000, Deduct	*-1.65*	
09 91 23 00-0370	EA	Over 12" High, Stencil Painting, Per Letter/Number	9.76	
		For >200 To 500, Deduct	*-0.78*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 2,000, Deduct	*-1.56*	
		For >2,000, Deduct	*-1.95*	
09 91 23 00-0371		**Paint Additives** *(09 91 23)*		
09 91 23 00-0372	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0373	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.08	
		For Class "A" Fire Rating, Add	*0.08*	
09 91 23 00-0374		**Hand Painting Letters/Numbers** *(09 91 23)*		
		Note: Painting on walls, floors, poles, signs, etc.		
09 91 23 00-0375	EA	Up To 1" High, Hand Paint, Per Letter/Number	2.34	
09 91 23 00-0376	EA	1" To 2" High, Hand Paint, Per Letter/Number	2.71	
09 91 23 00-0377	EA	2" To 3" High, Hand Paint, Per Letter/Number	4.10	
09 91 23 00-0378	EA	3" To 4" High, Hand Paint, Per Letter/Number	5.00	
09 91 23 00-0379	EA	4" To 6" High, Hand Paint, Per Letter/Number	6.91	
09 91 23 00-0380	EA	6" To 12" High, Hand Paint, Per Letter/Number	8.75	
09 91 23 00-0381	EA	Over 12" High, Hand Paint, Per Letter/Number	10.25	
09 91 23 00-0382		**Glove/Mitt Application** *(09 91 23)*		
09 91 23 00-0383		**Conduit/Pipe** *(09 91 23 00-0382)*		
09 91 23 00-0384	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	43.95	
		For Work >15' To 20' Above Floor, Add	*6.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.37*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0385	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	75.29	
		For Work >15' To 20' Above Floor, Add	*7.32*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*12.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*19.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*26.84*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0386	CSF	Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	59.65	
		For Work >15' To 20' Above Floor, Add	*5.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.95*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*19.68*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0387	CSF	Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	49.19	
		For Work >15' To 20' Above Floor, Add	*4.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.71*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*10.74*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*14.77*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0388	CSF	Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt	94.55	
		For Work >15' To 20' Above Floor, Add	*6.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.37*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0389	CSF	Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt	87.44	
		For Work >15' To 20' Above Floor, Add	*5.37*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.95*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*14.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*19.68*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0390 Ductwork *(09 91 23 00-0382)*

09 91 23 00-0391	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	43.95	
		For Work >15' To 20' Above Floor, Add	*6.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.37*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0392	CSF	Metal Primer Ductwork With Glove/Mitt	73.59	
		For Work >15' To 20' Above Floor, Add	*6.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.37*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0393	CSF	Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt	54.19	
		For Work >15' To 20' Above Floor, Add	*4.88*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.01*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*17.89*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0394	CSF	Epoxy Paint, First Coat Ductwork With Glove/Mitt	90.68	
		For Work >15' To 20' Above Floor, Add	*6.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.37*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0395	CSF	Epoxy Paint, Second Coat Ductwork With Glove/Mitt	79.41	
		For Work >15' To 20' Above Floor, Add	*4.88*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.01*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*17.89*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	62.70	
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	39.95	
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	50.66	
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	143.49	
09 91 33 00-0006	EA	Cement Base Primer, 25 Lb. Sack	41.78	
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	64.41	
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	51.70	
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	39.95	
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	36.30	
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	63.97	
09 91 33 00-0012	GAL	Acrylic Heavy-Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	53.27	
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	53.27	
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	60.06	
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	39.17	
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	107.32	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	41.78	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	33.42	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	86.43	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	53.89	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	60.81	

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	29.24	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	145.01	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	15.67	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	90.61	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	47.52	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	20.81	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	31.56	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	86.07	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	84.97	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	69.36	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	63.58	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	60.34	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	71.10	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	63.12	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	89.85	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	363.46	
09 91 33 00-0039	GAL	High Heat Paint	151.93	
09 91 33 00-0040	GAL	Heat Resistant Paint	101.29	
09 91 33 00-0041	GAL	Zinc Chromate Paint	91.64	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	36.17	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	101.29	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	63.12	
09 91 33 00-0045	GAL	Alkyd Latex, Black	75.16	
09 91 33 00-0046	GAL	Alkyd Latex, White	68.33	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	82.40	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	92.45	
09 91 33 00-0049	GAL	Vinyl Paint	79.90	
09 91 33 00-0050	GAL	Silicone Alkyd	97.13	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	98.70	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	123.77	
09 91 33 00-0053	GAL	Chlorinated Rubber	90.87	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	94.00	
09 91 33 00-0055	GAL	Coal Tar Epoxy	67.37	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	84.08	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	109.67	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	75.20	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	47.78	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	58.88	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	97.92	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	33.16	
09 91 33 00-0063	GAL	Linseed Oil	28.98	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	47.52	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	53.53	
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	48.96	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	39.34	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	27.16	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	50.66	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	45.17	
09 91 33 00-0072	GAL	Varnish, Clear	47.42	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	34.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	30.78	
09 91 33 00-0075	GAL	Polyurethane	54.04	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	47.66	
09 91 33 00-0077	GAL	Shellac, Clear	62.53	
09 91 33 00-0078	GAL	Acetone	20.63	
09 91 33 00-0079	GAL	Paint Thinner	5.09	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	20.89	
09 91 33 00-0081	GAL	Turpentine	28.72	
09 91 33 00-0082	GAL	Wood Filler Paste	49.09	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	39.17	
09 91 33 00-0084	GAL	Water Based Alkyd Urethane (Sherwin Williams B53W01153)	106.51	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work	0.91
		For Ceiling Work, Add	*0.12*
		For >5,000 To 10,000, Deduct	*-0.03*
		For >10,000 To 20,000, Deduct	*-0.05*
		For >20,000, Deduct	*-0.08*
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.74
		For Ceiling Work, Add	*0.09*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 20,000, Deduct	*-0.04*
		For >20,000, Deduct	*-0.06*
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.30
		For Ceiling Work, Add	*0.03*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 20,000, Deduct	*-0.02*
		For >20,000, Deduct	*-0.03*

09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	1.11
		For Up To 100, Add	*0.78*
		For >100 To 250, Add	*0.37*
		For >250 To 500, Add	*0.16*
		For >4,000, Deduct	*-0.06*
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	1.65
		For Up To 100, Add	*1.14*
		For >100 To 250, Add	*0.54*
		For >250 To 500, Add	*0.23*
		For >4,000, Deduct	*-0.08*

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.55
		For Up To 100, Add	*0.32*
		For >100 To 250, Add	*0.15*
		For >250 To 500, Add	*0.07*
		For >4,000, Deduct	*-0.03*
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.42
		For Up To 100, Add	*0.22*
		For >100 To 250, Add	*0.11*
		For >250 To 500, Add	*0.05*
		For >4,000, Deduct	*-0.02*

09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	52.84
		For Up To 4, Add	*38.18*
		For >4 To 10, Add	*17.89*
		For >10 To 20, Add	*7.69*
		For >160, Deduct	*-2.64*
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	38.10
		For Up To 4, Add	*26.45*
		For >4 To 10, Add	*12.45*
		For >10 To 20, Add	*5.36*
		For >160, Deduct	*-1.91*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0010		**Stain Wood Cabinet** *(09 93 23 13)*		
09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.33	
09 93 23 53		**Interior Finishing** *(09 93 23)*		
09 93 23 53-0001		**Concrete Finishes** *(09 93 23 53)*		
09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.84	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >4,000, Deduct	*-0.04*	
09 93 23 53-0003		**Wood Trim Finishes** *(09 93 23 53)*		
09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.38	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >4,000, Deduct	*-0.07*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.90	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0006		**Wood Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	3.77	
		For Up To 100, Add	*2.67*	
		For >100 To 250, Add	*1.25*	
		For >250 To 500, Add	*0.54*	
		For >4,000, Deduct	*-0.19*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.70	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >4,000, Deduct	*-0.04*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	4.27	
		For Up To 100, Add	*3.00*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.61*	
		For >4,000, Deduct	*-0.21*	
09 93 23 53-0010		**Wood Door And Window Finishes** *(09 93 23 53)* See CSI section 08 14 16 00-0627 for factory finish.		
09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	38.21	
		For Up To 4, Add	*27.52*	
		For >4 To 10, Add	*12.90*	
		For >10 To 20, Add	*5.54*	
		For >160, Deduct	*-1.91*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	116.66	
		For Up To 4, Add	*82.25*	
		For >4 To 10, Add	*38.65*	
		For >10 To 20, Add	*16.63*	
		For >160, Deduct	*-5.83*	
09 93 23 53-0013		**Cabinet Finishes** *(09 93 23 53)*		
09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.34	
09 93 23 53-0015		**Gym, Stage And Dance Floor Finishes** *(09 93 23 53)*		
09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	0.84	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.71	
		For Stage Or Dance Floors, Deduct	*-0.07*	
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.79	
		For Stage Or Dance Floors, Deduct	*-0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.87	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.71	
		For Stage Or Dance Floors, Deduct	*-0.07*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.79	
		For Stage Or Dance Floors, Deduct	*-0.08*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.87	
		For Stage Or Dance Floors, Deduct	*-0.08*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.43	
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.54	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors	0.85	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.10*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20'.*	*0.17*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.26*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.36*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 96 53 00-0003	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors	0.74	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.08*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20'.*	*0.14*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.22*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.31*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0004	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors	0.65	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 96 53 00-0005	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors	1.95	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 96 53 00-0006	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors	1.83	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	
09 96 53 00-0007	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors	2.08	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 96 53 00-0008	SF	1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead	0.96	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0009	SF	1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead	0.83	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 96 53 00-0010	SF	1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead	0.72	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 96 53 00-0011	SF	1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead	2.08	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.31*	
		For >20,000, Deduct	*-0.42*	
09 96 53 00-0012	SF	1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead	1.94	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	
09 96 53 00-0013	SF	1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead	2.15	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	3.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 56 00-0003		Laminated Epoxy With Fiberglass *(09 96 56)*		
09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	5.91	
09 96 66		**Aggregate Wall Coatings** *(09 96)*		
09 96 66 00-0001		Troweled On *(09 96 66)*		
09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	4.33	
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	7.74	
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	11.62	
09 96 66 00-0005		Sprayed On *(09 96 66)*		
09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	3.54	

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP2 Hand Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Hand Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust, and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before hand tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 2 or ISO 8501-1 St 3.

09 97 13 23-0003	SF	Type 1 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.43	
		For Up To 100, Add		*1.07*
		For >100 To 250, Add		*0.50*
		For >250 To 500, Add		*0.21*
09 97 13 23-0004	SF	Type 2 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add		*1.03*
		For >100 To 250, Add		*0.48*
		For >250 To 500, Add		*0.21*
09 97 13 23-0005	SF	Type 3 Structural Steel SP2 Hand Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add		*1.03*
		For >100 To 250, Add		*0.48*
		For >250 To 500, Add		*0.21*
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP2 Hand Tool Cleaning Surface Preparation	1.86	
		For Up To 100, Add		*1.40*
		For >100 To 250, Add		*0.65*
		For >250 To 500, Add		*0.28*

09 97 13 23-0007 SSPC SP3 Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: Power Tool Cleaning removes all loose mill scale, loose rust and other detrimental foreign matter. It is not intended that adherent mill scale, rust and paint be removed by this process. Mill scale, rust and paint are considered adherent if they cannot be removed by lifting with a dull putty knife. Before power tool cleaning, remove visible oil, grease, soluble welding residues and salts by the methods outlined in SSPC-SP1. For complete instructions, refer to Society of Protective Coatings Surface Preparation Specification No. 3 or ISO 8501-1 St 3.

09 97 13 23-0008	SF	Type 1 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.79	
		For Up To 100, Add		*1.34*
		For >100 To 250, Add		*0.63*
		For >250 To 500, Add		*0.27*
09 97 13 23-0009	SF	Type 2 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.72	
		For Up To 100, Add		*1.29*
		For >100 To 250, Add		*0.60*
		For >250 To 500, Add		*0.26*
09 97 13 23-0010	SF	Type 3 Structural Steel SP3 Power Tool Cleaning Surface Preparation	1.72	
		For Up To 100, Add		*1.29*
		For >100 To 250, Add		*0.60*
		For >250 To 500, Add		*0.26*
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.33	
		For Up To 100, Add		*1.75*
		For >100 To 250, Add		*0.82*
		For >250 To 500, Add		*0.35*
09 97 13 23-0012	SF	>14" Diameter Pipe SP3 Power Tool Cleaning Surface Preparation	2.10	
		For Up To 100, Add		*1.58*
		For >100 To 250, Add		*0.74*
		For >250 To 500, Add		*0.32*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 13 23-0013 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Brush-Off Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, loose mill scale, loose rust and loose paint. Tightly adherent mill scale, rust and paint may remain on the surface. Mill scale, rust and coating are considered adherent if they cannot be removed by lifting with a dull putty knife after abrasive blast cleaning has been performed. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP11

09 97 13 23-0014	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	1.00	
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0015	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.88	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0016	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.87	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0017	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.24	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	

09 97 13 23-0018 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A Commercial Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 33% of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP6/NACE 3 or ISO 8501-1 Sa 2.

09 97 13 23-0019	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.57	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0020	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.24	
		For Up To 100, Add	*1.60*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0021	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.07	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0022	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	3.24	
		For Up To 100, Add	*2.34*	
		For >100 To 250, Add	*1.10*	
		For >250 To 500, Add	*0.47*	

09 97 13 23-0023 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

Note: A White Metal Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete Instructions, refer to Joint Surface Preparation Standard SSPC-SP5/NACE 1 or ISO 8501-1 Sa 3.

09 97 13 23-0024	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	5.01	
		For Up To 100, Add	*3.61*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.73*	
09 97 13 23-0025	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.28	
		For Up To 100, Add	*3.07*	
		For >100 To 250, Add	*1.44*	
		For >250 To 500, Add	*0.62*	
09 97 13 23-0026	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.93	
		For Up To 100, Add	*2.81*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0027	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	6.06	
		For Up To 100, Add	*4.40*	
		For >100 To 250, Add	*2.06*	
		For >250 To 500, Add	*0.88*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0028		SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*			
		Note: A Near-White Blast Cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dirt, dust, mill scale, rust, paint, oxides, corrosion products and other foreign matter, except for staining. Staining shall be limited to no more than 5 percent of each square inch of surface area and may consist of light shadows, slight streaks or minor discoloration caused by stains of rust, stains of mill scale or stains of previously applied paint. Before blast cleaning, visible deposits of oil or grease shall be removed by any of the methods specified in SSPC-SP1 or other agreed upon methods. For complete instructions, refer to Joint Surface Preparation Standard SSPC-SP10/NACE 2 or ISO 8501-1 Sa 2.5.			
09 97 13 23-0029	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation		3.73	
		For Up To 100, Add		*2.68*	
		For >100 To 250, Add		*1.26*	
		For >250 To 500, Add		*0.54*	
09 97 13 23-0030	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation		3.17	
		For Up To 100, Add		*2.27*	
		For >100 To 250, Add		*1.06*	
		For >250 To 500, Add		*0.46*	
09 97 13 23-0031	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation		3.00	
		For Up To 100, Add		*2.14*	
		For >100 To 250, Add		*1.01*	
		For >250 To 500, Add		*0.43*	
09 97 13 23-0032	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation		4.41	
		For Up To 100, Add		*3.20*	
		For >100 To 250, Add		*1.50*	
		For >250 To 500, Add		*0.64*	
09 97 13 23-0033		Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*			
		Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.			
09 97 13 23-0034		1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0033)*			
09 97 13 23-0035	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat		1.18	
		For Up To 100, Add		*0.77*	
		For >100 To 250, Add		*0.36*	
		For >250 To 500, Add		*0.16*	
09 97 13 23-0036	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat		0.88	
		For Up To 100, Add		*0.56*	
		For >100 To 250, Add		*0.27*	
		For >250 To 500, Add		*0.12*	
09 97 13 23-0037	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat		0.80	
		For Up To 100, Add		*0.50*	
		For >100 To 250, Add		*0.24*	
		For >250 To 500, Add		*0.10*	
09 97 13 23-0038	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat		1.41	
		For Up To 100, Add		*0.94*	
		For >100 To 250, Add		*0.45*	
		For >250 To 500, Add		*0.19*	
09 97 13 23-0039	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat		1.39	
		For Up To 100, Add		*0.92*	
		For >100 To 250, Add		*0.44*	
		For >250 To 500, Add		*0.19*	
09 97 13 23-0040	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat		1.04	
		For Up To 100, Add		*0.68*	
		For >100 To 250, Add		*0.32*	
		For >250 To 500, Add		*0.14*	
09 97 13 23-0041	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat		0.93	
		For Up To 100, Add		*0.60*	
		For >100 To 250, Add		*0.28*	
		For >250 To 500, Add		*0.12*	
09 97 13 23-0042	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat		1.66	
		For Up To 100, Add		*1.13*	
		For >100 To 250, Add		*0.53*	
		For >250 To 500, Add		*0.23*	
09 97 13 23-0043		1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0033)*			
09 97 13 23-0044	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		3.50	
		For Up To 100, Add		*2.24*	
		For >100 To 250, Add		*1.07*	
		For >250 To 500, Add		*0.46*	
09 97 13 23-0045	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		2.55	
		For Up To 100, Add		*1.56*	
		For >100 To 250, Add		*0.75*	
		For >250 To 500, Add		*0.32*	
09 97 13 23-0046	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		2.37	
		For Up To 100, Add		*1.43*	
		For >100 To 250, Add		*0.68*	
		For >250 To 500, Add		*0.30*	
09 97 13 23-0047	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats		4.25	
		For Up To 100, Add		*2.79*	
		For >100 To 250, Add		*1.32*	
		For >250 To 500, Add		*0.57*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0048	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.63	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0049	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.91	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0050	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.77	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0051	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.18	
		For Up To 100, Add	*2.09*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0052	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.44	
		For Up To 100, Add	*2.95*	
		For >100 To 250, Add	*1.39*	
		For >250 To 500, Add	*0.60*	
09 97 13 23-0053	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.19	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	
09 97 13 23-0054	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.95	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0055	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	5.40	
		For Up To 100, Add	*3.65*	
		For >100 To 250, Add	*1.73*	
		For >250 To 500, Add	*0.74*	
09 97 13 23-0056	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.32	
		For Up To 100, Add	*2.20*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0057	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.38	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0058	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.21	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0059	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	4.04	
		For Up To 100, Add	*2.74*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.56*	

09 97 13 23-0060 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0061	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.70	
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0062	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.21	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0063	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.03	
		For Up To 100, Add	*1.27*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0064	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.34	
		For Up To 100, Add	*2.22*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0065	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.74	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0066	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.42	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0067	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.30	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0068	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.14	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0069	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.16	
		For Up To 100, Add	*2.09*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0070	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.58	
		For Up To 100, Add	*1.68*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0071	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.36	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0072	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.94	
		For Up To 100, Add	*2.67*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.54*	
09 97 13 23-0073	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.03	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0074	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.65	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0075	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.52	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0076	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.53	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	

09 97 13 23-0077 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0078	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.51	
		For Up To 100, Add	*2.61*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.55*	
09 97 13 23-0079	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.32	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0080	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.96	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0081	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	5.09	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*1.45*	
		For >250 To 500, Add	*0.63*	
09 97 13 23-0082	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.15	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0083	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.33	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0084	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.07	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0085	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.57	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	

09 97 13 23-0086 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0087	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	4.87	
		For Up To 100, Add	*2.66*	
		For >100 To 250, Add	*1.29*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0088	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.65	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0089	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.29	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0090	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	5.46	
		For Up To 100, Add	*3.08*	
		For >100 To 250, Add	*1.49*	
		For >250 To 500, Add	*0.65*	
09 97 13 23-0091	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	4.00	
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0092	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	3.00	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0093	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.70	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0094	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	4.48	
		For Up To 100, Add	*2.52*	
		For >100 To 250, Add	*1.22*	
		For >250 To 500, Add	*0.53*	

09 97 13 23-0095 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0096	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.16	
		For Up To 100, Add	*5.72*	
		For >100 To 250, Add	*2.76*	
		For >250 To 500, Add	*1.21*	
09 97 13 23-0097	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.77	
		For Up To 100, Add	*4.12*	
		For >100 To 250, Add	*2.01*	
		For >250 To 500, Add	*0.88*	
09 97 13 23-0098	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.50	
		For Up To 100, Add	*3.92*	
		For >100 To 250, Add	*1.92*	
		For >250 To 500, Add	*0.84*	
09 97 13 23-0099	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	11.74	
		For Up To 100, Add	*6.87*	
		For >100 To 250, Add	*3.30*	
		For >250 To 500, Add	*1.44*	

09 97 13 23-0100 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0101	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.41	
		For Up To 100, Add	*2.80*	
		For >100 To 250, Add	*1.37*	
		For >250 To 500, Add	*0.60*	
09 97 13 23-0102	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.32	
		For Up To 100, Add	*1.99*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0103	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.14	
		For Up To 100, Add	*1.86*	
		For >100 To 250, Add	*0.93*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0104	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	6.10	
		For Up To 100, Add	*3.28*	
		For >100 To 250, Add	*1.60*	
		For >250 To 500, Add	*0.70*	
09 97 13 23-0105	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	4.27	
		For Up To 100, Add	*2.21*	
		For >100 To 250, Add	*1.08*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0106	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.41	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0107	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.26	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0108	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	4.82	
		For Up To 100, Add	*2.59*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.55*	

09 97 13 23-0109 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0110	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	4.51	
		For Up To 100, Add	*2.67*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0111	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.67	
		For Up To 100, Add	*2.10*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.44*	
09 97 13 23-0112	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.41	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
09 97 13 23-0113	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	5.53	
		For Up To 100, Add	*3.41*	
		For >100 To 250, Add	*1.63*	
		For >250 To 500, Add	*0.71*	

09 97 13 23-0114 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0115	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.30	
		For Up To 100, Add	*2.69*	
		For >100 To 250, Add	*1.28*	
		For >250 To 500, Add	*0.56*	
09 97 13 23-0116	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.09	
		For Up To 100, Add	*1.81*	
		For >100 To 250, Add	*0.87*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0117	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.64	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0118	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	4.90	
		For Up To 100, Add	*3.10*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.64*	

09 97 13 23-0119 One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0033)*

09 97 13 23-0120	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	2.38	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0121	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.75	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0122	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.66	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0123	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	2.49	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	

09 97 13 23-0124 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0033)*

Note: Installed over existing primer.

09 97 13 23-0125	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	3.60	
		For Up To 100, Add	*2.05*	
		For >100 To 250, Add	*0.99*	
		For >250 To 500, Add	*0.43*	
09 97 13 23-0126	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.96	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.79*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0127	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.60	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0128	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	4.18	
		For Up To 100, Add	*2.46*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

09 97 13 24-0001 Surface Preparation For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.37	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.22	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.72	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	

09 97 13 24-0006 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.84	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.68	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.19	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	

09 97 13 24-0010 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	2.07	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.90	
		For Up To 100, Add	*1.34*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.78	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.40*	

09 97 13 24-0014 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.76	
		For Up To 100, Add	*2.68*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.54*	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.57	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.51*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	5.25	
		For Up To 100, Add	*3.80*	
		For >100 To 250, Add	*1.78*	
		For >250 To 500, Add	*0.76*	

09 97 13 24-0018 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks *(09 97 13 24-0001)*

09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.99	
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.43*	
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.99	
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.43*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	4.40	
		For Up To 100, Add	*3.20*	
		For >100 To 250, Add	*1.50*	
		For >250 To 500, Add	*0.64*	

09 97 13 24-0022 Protective Coatings For Tanks *(09 97 13 24)*

Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.

09 97 13 24-0023 1.5 Mil Prime Coat For Tanks *(09 97 13 24-0022)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.70	
		For Up To 100, Add	*0.43*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.57	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.33	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.80	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.65	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.57	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	

09 97 13 24-0030 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.08	
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.64	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.78	
		For Up To 100, Add	*2.50*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.51*	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.56	
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.23	
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.84	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.57	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.98	
		For Up To 100, Add	*1.15*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.83	
		For Up To 100, Add	*3.29*	
		For >100 To 250, Add	*1.55*	
		For >250 To 500, Add	*0.67*	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.93	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.49	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.62	
		For Up To 100, Add	*2.46*	
		For >100 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.50*	

09 97 13 24-0043 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.85	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.58	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.90	
		For Up To 100, Add	*2.68*	
		For >100 To 250, Add	*1.26*	
		For >250 To 500, Add	*0.54*	
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.18	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.00	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.49	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.81*	
		For >250 To 500, Add	*0.35*	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.14	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.82	
		For Up To 100, Add	*1.12*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.23*	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.88	
		For Up To 100, Add	*3.50*	
		For >100 To 250, Add	*1.64*	
		For >250 To 500, Add	*0.71*	
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.37	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.16	
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	3.22	
		For Up To 100, Add	*2.26*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	

09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.74	
		For Up To 100, Add	*1.38*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.30*	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.38	
		For Up To 100, Add	*1.11*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.92	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.67	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	

09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.06	
		For Up To 100, Add	*1.43*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.70	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.51	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	2.21	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0066		1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.24	
		For Up To 100, Add	*3.77*	
		For >100 To 250, Add	*1.84*	
		For >250 To 500, Add	*0.81*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	6.70	
		For Up To 100, Add	*3.37*	
		For >100 To 250, Add	*1.66*	
		For >250 To 500, Add	*0.73*	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	10.82	
		For Up To 100, Add	*6.46*	
		For >100 To 250, Add	*3.10*	
		For >250 To 500, Add	*1.35*	
09 97 13 24-0070		1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.85	
		For Up To 100, Add	*1.78*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.45	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	5.60	
		For Up To 100, Add	*3.10*	
		For >100 To 250, Add	*1.50*	
		For >250 To 500, Add	*0.66*	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	3.04	
		For Up To 100, Add	*1.40*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.73	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	4.44	
		For Up To 100, Add	*2.45*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.52*	
09 97 13 24-0077		Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	3.38	
		For Up To 100, Add	*1.91*	
		For >100 To 250, Add	*0.92*	
		For >250 To 500, Add	*0.40*	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.84	
		For Up To 100, Add	*1.50*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	4.27	
		For Up To 100, Add	*2.57*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.54*	
09 97 13 24-0081		One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.34	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.16	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.51	
		For Up To 100, Add	*2.14*	
		For >100 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.44*	
09 97 13 24-0085		Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0022)*		
09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	5.13	
		For Up To 100, Add	*2.92*	
		For >100 To 250, Add	*1.41*	
		For >250 To 500, Add	*0.62*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	3.19	
		For Up To 100, Add	*1.55*	
		For >100 To 250, Add	*0.77*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0088		One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.54	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.51	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	2.35	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0092		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0022)*		
		Note: Installed over existing primer.		
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.48	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	2.21	
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	3.38	
		For Up To 100, Add	*1.96*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	8.78	
		For Up To 100, Add	*5.40*	
		For >100 To 250, Add	*2.58*	
		For >250 To 500, Add	*1.12*	
09 97 26		**Cementitious Coatings** *(09 97)*		
09 97 26 13		**Interior Cementitious Coatings** *(09 97 26)*		
09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.67	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	2.23	
09 97 35		**Dry Erase Coatings** *(09 97)*		
09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	12.50	
		Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	7.01	
		Note: For application over existing latex-based top coats.		
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	13.42	
		Note: Includes two coats of primer and white or black surface coat.		
09 97 63		**Special Coatings and Protection Systems** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	1.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*
Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 Lb. Carbon Dioxide Portable Fire Extinguisher	18.49	
10 01 40 00-0004	EA	Recharge 5 Lb. Carbon Dioxide Portable Fire Extinguisher	20.54	
10 01 40 00-0005	EA	Recharge 10 Lb. Carbon Dioxide Portable Fire Extinguisher	21.36	
10 01 40 00-0006	EA	Recharge 15 Lb. Carbon Dioxide Portable Fire Extinguisher	24.18	
10 01 40 00-0007	EA	Recharge 20 Lb. Carbon Dioxide Portable Fire Extinguisher	27.94	

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 Lb. Dry Chemical Portable Fire Extinguisher	22.30	
10 01 40 00-0010	EA	Recharge 5 Lb. Dry Chemical Portable Fire Extinguisher	27.00	
10 01 40 00-0011	EA	Recharge 10 Lb. Dry Chemical Portable Fire Extinguisher	38.15	
10 01 40 00-0012	EA	Recharge 20 Lb. Dry Chemical Portable Fire Extinguisher	60.22	

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	22.07	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	157.30	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	220.21	
10 01 40 00-0017	EA	Recharge 30 Lb. Dry Powder Class D Portable Fire Extinguisher	90.67	

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties *(10 01 50)*

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	395.29	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	311.14	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	267.43	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	226.31	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	128.95	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	46.19	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	9.24	

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards *(10 11)*

10 11 13 13 Fixed Chalkboards *(10 11 13)*
Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	54.09	11.35
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	34.00	5.34
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	29.38	4.61
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.13	3.01
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.93	1.67

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	57.00	11.35
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	36.84	5.34
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	32.00	4.61
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	27.30	3.01
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	23.04	1.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	52.29	11.35
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	32.16	5.34
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	27.63	4.61
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	22.66	3.01
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	18.29	1.67
10 11 13 13-0020		Removal And Reinstallation Of Chalkboards *(10 11 13 13)*		
		Note: Includes storage and cleaning.		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	13.87	
10 11 13 13-0022		Field Applied Chalkboard And Accessories *(10 11 13 13)*		
10 11 13 13-0023		Chalkboard Face Sheets And Panels *(10 11 13 13-0022)*		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	18.38	5.34
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	21.62	5.34
		Note: Includes porcelain enamel steel surface mounted on either particleboard or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		Chalkboard And Markerboard Accessory Trays And Trim *(10 11 13 13-0022)*		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	26.75	7.34
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	34.62	13.35
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	19.60	7.34
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	19.21	7.34
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.31	7.34
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	22.40	7.34
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	20.31	7.34
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series) *(10 11 13 33)*		
10 11 13 33-0002		Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,370.34	133.46
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,656.18	133.46
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,005.64	142.13
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,337.75	142.13
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,151.67	152.81
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,416.58	152.81
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,986.41	160.15
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,644.02	160.15
10 11 13 33-0011		Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,222.97	133.46
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,815.05	133.46
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,362.80	142.13
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,906.41	142.13
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,590.34	152.81
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,829.92	152.81
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,830.48	160.15
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,630.19	160.15
10 11 13 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,586.50	133.46
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,070.62	133.46
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,597.44	142.13
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,153.17	142.13
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,233.67	152.81
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,488.67	152.81
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	7,655.57	160.15
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	8,540.72	160.15
10 11 13 33-0029		Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series) *(10 11 13 33)*		
10 11 13 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,824.72	133.46
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,112.77	133.46
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,402.74	142.13
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,902.82	142.13
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,274.43	152.81
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,735.95	152.81
10 11 13 33-0037		**Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0029)*		
10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,122.31	133.46
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,569.51	133.46
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,020.84	142.13
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,843.64	142.13
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,359.52	152.81
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,106.31	152.81
10 11 13 33-0044		**Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0029)*		
10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,612.67	133.46
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,222.34	133.46
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,836.13	142.13
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,980.55	142.13
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,653.91	152.81
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,705.80	152.81
10 11 13 33-0051		**Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series)** *(10 11 13 33)* Note: Excludes remotes.		
10 11 13 33-0052		**One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0051)*		
10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,020.92	266.92
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,276.05	266.92
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	9,563.28	275.26
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,030.57	275.26
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,549.81	283.59
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,000.58	283.59
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,987.03	300.28
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,111.73	300.28
10 11 13 33-0061		**Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0051)*		
10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,139.35	266.92
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,476.65	266.92
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,855.98	275.26
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,542.71	275.26
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,228.51	283.59
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,881.09	283.59
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,211.46	300.28
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,409.08	300.28
10 11 13 33-0070		**Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0051)*		
10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	18,342.35	266.92
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,193.66	266.92
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	19,647.45	275.26
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	20,540.40	275.26
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	21,481.99	283.59
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	22,384.85	283.59
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,171.50	300.28
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	24,519.16	300.28
10 11 13 33-0079		**Sliding Chalkboard And Markerboard Accessories** *(10 11 13 33)*		
10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	673.20	
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	1,147.99	

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0002		5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	54.27	11.35
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	34.64	5.34
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	29.38	4.61
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.36	3.01
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	19.67	1.67
10 11 16 13-0008		1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	57.04	11.35
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	35.47	5.34
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	30.62	4.61
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.92	3.01
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	22.23	1.67
10 11 16 13-0014		1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series) *(10 11 16 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	52.27	11.35
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	32.17	5.34
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	28.97	4.61
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	22.80	3.01
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	17.98	1.67
10 11 16 13-0020		Melamine Markerboards *(10 11 16 13)*		
10 11 16 13-0021		1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes full-length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	43.80	11.35
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	26.34	5.34
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	22.84	4.61
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	17.02	3.01
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	13.57	1.67
10 11 16 13-0027		1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series) *(10 11 16 13-0020)*		
		Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	42.86	11.35
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	25.90	5.34
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	22.22	4.61
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.91	3.01
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	12.57	1.67
10 11 16 13-0033		Nonporous, Non-Staining Markerboards *(10 11 16 13)*		
10 11 16 13-0034		5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	59.36	11.35
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.58	5.34
		For Magnetic Surface, Add	*2.79*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.28	4.61
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.12	3.01
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.90	1.67
		For Magnetic Surface, Add	*2.16*	
10 11 16 13-0040		1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*		
		Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	59.36	11.35
		For Magnetic Surface, Add	*3.67*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.58	5.34
		For Magnetic Surface, Add	*2.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	33.28	4.61
		For Magnetic Surface, Add	*2.41*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	29.12	3.01
		For Magnetic Surface, Add	*2.31*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.90	1.67
		For Magnetic Surface, Add	*2.16*	

10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	104.81	11.35
		For Magnetic Surface, Add	*8.21*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	65.89	5.34
		For Magnetic Surface, Add	*5.52*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	55.70	4.61
		For Magnetic Surface, Add	*4.65*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	46.86	3.01
		For Magnetic Surface, Add	*4.09*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	36.23	1.67
		For Magnetic Surface, Add	*3.29*	

10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*

Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface; 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.

10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	26.55	4.61
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	22.44	3.01
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	18.66	1.67

10 11 16 13-0056 Removal And Reinstallation Of Markerboard *(10 11 16 13)*

Note: Includes storage and cleaning.

10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	80.07	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	93.42	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	106.77	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	120.11	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	133.46	

10 11 16 13-0062 Field Applied Markerboard And Accessories *(10 11 16 13)*

10 11 16 13-0063 Markerboard Face Sheets And Panels *(10 11 16 13-0062)*

10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	18.12	5.34
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double-sided tape.	21.03	5.34
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particleboard or 1/4" hardboard core with an aluminum moisture barrier back.	20.96	5.34
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	12.85	5.34

10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*

See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.

10 11 16 33 Rail-Mounted Markerboards *(10 11 16)*

10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*

10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,342.32	133.46
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,618.81	133.46
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,958.93	142.13
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,281.70	142.13
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,086.28	152.81
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,341.85	152.81
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,893.00	160.15
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,531.92	160.15

10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,194.95	133.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,777.69	133.46
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,316.09	142.13
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,850.36	142.13
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,524.95	152.81
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,755.19	152.81
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,737.06	160.15
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,518.09	160.15
10 11 16 33-0020		Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*		
10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,558.47	133.46
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,033.26	133.46
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,550.73	142.13
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,097.12	142.13
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,168.28	152.81
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,413.94	152.81
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	7,562.15	160.15
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	8,456.64	160.15
10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,787.36	133.46
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,066.06	133.46
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,346.69	142.13
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,828.09	142.13
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,181.01	152.81
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,623.85	152.81
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,047.58	133.46
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,476.10	133.46
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,908.74	142.13
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,694.18	142.13
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,172.69	152.81
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,882.11	152.81
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,500.57	133.46
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,082.21	133.46
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,667.98	142.13
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	7,756.35	142.13
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	8,373.67	152.81
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	9,369.50	152.81
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)* Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,974.21	266.92
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,217.66	266.92
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,493.22	275.26
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	9,937.16	275.26
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,433.04	283.59
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,860.46	283.59
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,823.56	300.28
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,924.91	300.28
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,045.93	266.92
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,359.89	266.92
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,715.86	275.26
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,355.88	275.26
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,994.97	283.59
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,600.84	283.59
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,884.51	300.28
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,035.42	300.28

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	18,202.23	266.92
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,018.51	266.92
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	19,437.27	275.26
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	20,260.16	275.26
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,131.68	283.59
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	21,964.48	283.59
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,681.07	300.28
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	23,958.67	300.28
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)*		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	37.47	11.35
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	20.96	5.34
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	18.16	4.61
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.26	3.01
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	11.40	1.67
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	39.21	11.35
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	21.77	5.34
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	17.75	4.61
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	13.62	3.01
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.39	1.67
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	39.40	11.35
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	23.47	5.34
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	21.60	4.61
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.42	3.01
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	12.74	1.67
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes burlap backed 1/4" self-healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	42.52	11.35
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	27.02	5.34
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	24.56	4.61
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.69	3.01
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.94	1.67
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	46.74	11.35
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	31.53	5.34
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	29.11	4.61
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	23.99	3.01
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.35	1.67
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	38.66	11.35
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	22.43	5.34
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	19.81	4.61
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.96	3.01
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	12.91	1.67
10 11 23 13-0041		1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*		
10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	41.05	11.35
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	25.53	5.34
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	23.53	4.61
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.53	3.01
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	14.94	1.67
10 11 23 13-0047		Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)* Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048		5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*		
10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	37.47	11.35
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	21.05	5.34
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	18.30	4.61
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	14.26	3.01
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	11.19	1.67
10 11 23 13-0054		1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*		
10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	39.40	11.35
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	24.32	5.34
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	21.60	4.61
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	16.42	3.01
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	12.74	1.67
10 12 Display Cases *(10 10)*				
10 12 00 00-0001		Counter Display Cases *(10 12)*		
10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	1,977.20	204.46
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	2,134.40	204.46
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	2,070.38	204.46
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	2,047.93	90.88
10 12 00 00-0006		Upright Display Case *(10 12)*		
10 12 00 00-0007	EA	72" High x 20" Deep x 70" Wide, Upright Display Case	4,109.64	204.46
10 12 00 00-0008		Full Vision Display Case *(10 12)*		
10 12 00 00-0009	EA	38" x 20" x 70" Full Vision Display Case	2,687.96	204.46
10 13 Directories *(10 10)*				
10 13 11 Directory and Bulletin Boards *(10 13)* Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.				
10 13 11 00-0001		Wall Mounted Directories *(10 13 11)* Note: Includes changeable letters.		
10 13 11 00-0002		Open Face, Wall Mounted Directories *(10 13 11 00-0001)* Note: Includes vinyl or felt back panel.		
10 13 11 00-0003		Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*		
10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	59.78	11.35
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	38.50	5.34
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	34.91	4.61
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	26.52	3.01
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	20.97	1.67
10 13 11 00-0009		Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	60.33	11.35
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	38.86	5.34
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	35.65	4.61
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	25.32	3.01
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	21.52	1.67
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*

10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	142.58	11.35
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	113.22	5.34
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	94.86	4.61
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	87.47	3.01
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	78.80	1.67
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*

10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	123.12	11.35
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	97.92	4.61
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	70.12	3.01
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	62.83	1.67
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	127.99	11.35
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.06*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	98.08	5.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.48*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	83.03	4.61
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.76*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	60.91	3.01
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.98*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	56.50	1.67
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.63*	

10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	195.37	11.35
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*34.54*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	113.14	5.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*20.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	95.35	4.61
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.23*	
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	73.34	3.01
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.47*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	67.52	1.67
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.84*	

10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	191.97	11.35
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	127.55	5.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	123.78	4.61
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	139.27	11.35
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	110.74	5.34
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.38	4.61
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	85.13	3.01
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	77.70	1.67
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*

10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	117.24	11.35
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	92.34	4.61
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	65.81	3.01
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.52	1.67
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	131.01	11.35
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.66*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	101.10	5.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*18.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	86.05	4.61
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.37*	
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	63.93	3.01
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.59*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	59.52	1.67
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.24*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	198.39	11.35
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*35.14*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	116.16	5.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*21.10*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	98.37	4.61
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*17.83*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	76.36	3.01
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.07*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.54	1.67
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*13.44*	

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	188.95	11.35
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	124.54	5.34
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	120.79	4.61
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	491.21	33.35
		For >5 To 10, Deduct	*-52.70*	
		For >10 Each, Deduct	*-88.48*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	419.10	33.35
		For >5 To 10, Deduct	*-44.77*	
		For >10 Each, Deduct	*-73.34*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	457.99	33.35
		For >5 To 10, Deduct	*-49.04*	
		For >10 Each, Deduct	*-81.50*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	428.49	33.35
		For >5 To 10, Deduct	*-45.80*	
		For >10 Each, Deduct	*-75.31*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	301.07	33.35
		For >5 To 10, Deduct	*-31.78*	
		For >10 Each, Deduct	*-48.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	291.68	33.35
		For >5 To 10, Deduct	*-30.75*	
		For >10 Each, Deduct	*-46.58*	

10 14 16 00-0009 Metal Built-Up Plaque *(10 14 16)*

10 14 16 00-0010	SF	Bronze Built-up Plaque	396.48	41.35
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-41.95*	
		For >10 Each, Deduct	*-64.92*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque	403.44	41.35
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-42.71*	
		For >10 Each, Deduct	*-66.38*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque	471.23	41.35
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-50.17*	
		For >10 Each, Deduct	*-80.61*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque	451.05	83.38
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-47.95*	
		For >10 Each, Deduct	*-76.38*	
10 14 16 00-0014	SF	Bronze Built-up Plaque	393.03	83.38
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-41.57*	
		For >10 Each, Deduct	*-64.19*	

10 14 16 00-0015 Metal Nameplate Plaques *(10 14 16)*

10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	204.99	22.69
		For >5 To 10, Deduct	*-21.66*	
		For >10 Each, Deduct	*-33.26*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	323.69	22.69
		For >5 To 10, Deduct	*-34.72*	
		For >10 Each, Deduct	*-58.19*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	158.58	22.69
		For >5 To 10, Deduct	*-16.55*	
		For >10 Each, Deduct	*-23.52*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	169.45	22.69
		For >5 To 10, Deduct	*-17.75*	
		For >10 Each, Deduct	*-25.80*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering	384.73	83.38
		For >5 To 10, Deduct	*-40.65*	
		For >10 Each, Deduct	*-62.45*	

10 14 19 Dimensional Letter Signage *(10 14)*

Note: Mounted on masonry or concrete.

10 14 19 00-0001 Cast Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0002 Satin Finish, Cast Aluminum Characters *(10 14 19 00-0001)*

10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	57.73	8.34
		For Installation With Adhesive, Deduct	*-6.22*	
		For Clear Anodized, Add	*2.44*	
		For Satin Face And Enameled Return, Add	*7.31*	
		For Patina Finish, Add	*9.75*	
		For Color Anodized, Add	*12.19*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	67.91	9.01
		For Installation With Adhesive, Deduct	*-7.00*	
		For Clear Anodized, Add	*3.19*	
		For Satin Face And Enameled Return, Add	*9.56*	
		For Patina Finish, Add	*12.75*	
		For Color Anodized, Add	*15.94*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	74.32	9.67
		For Installation With Adhesive, Deduct	*-7.59*	
		For Clear Anodized, Add	*3.56*	
		For Satin Face And Enameled Return, Add	*10.69*	
		For Patina Finish, Add	*14.25*	
		For Color Anodized, Add	*17.82*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	85.29	11.07
		For Installation With Adhesive, Deduct	*-8.67*	
		For Clear Anodized, Add	*4.13*	
		For Satin Face And Enameled Return, Add	*12.38*	
		For Patina Finish, Add	*16.50*	
		For Color Anodized, Add	*20.63*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	93.57	11.67
		For Installation With Adhesive, Deduct	*-9.35*	
		For Clear Anodized, Add	*4.69*	
		For Satin Face And Enameled Return, Add	*14.06*	
		For Patina Finish, Add	*18.75*	
		For Color Anodized, Add	*23.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	111.50	13.34
		For Installation With Adhesive, Deduct	*-10.91*	
		For Clear Anodized, Add	*5.81*	
		For Satin Face And Enameled Return, Add	*17.44*	
		For Patina Finish, Add	*23.25*	
		For Color Anodized, Add	*29.07*	
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	123.54	14.01
		For Installation With Adhesive, Deduct	*-11.78*	
		For Clear Anodized, Add	*6.75*	
		For Satin Face And Enameled Return, Add	*20.25*	
		For Patina Finish, Add	*27.00*	
		For Color Anodized, Add	*33.76*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	140.67	15.01
		For Installation With Adhesive, Deduct	*-13.04*	
		For Clear Anodized, Add	*8.06*	
		For Satin Face And Enameled Return, Add	*24.19*	
		For Patina Finish, Add	*32.26*	
		For Color Anodized, Add	*40.32*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	170.64	17.34
		For Installation With Adhesive, Deduct	*-15.47*	
		For Clear Anodized, Add	*10.13*	
		For Satin Face And Enameled Return, Add	*30.38*	
		For Patina Finish, Add	*40.50*	
		For Color Anodized, Add	*50.63*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	203.81	20.01
		For Installation With Adhesive, Deduct	*-18.19*	
		For Clear Anodized, Add	*12.38*	
		For Satin Face And Enameled Return, Add	*37.13*	
		For Patina Finish, Add	*49.51*	
		For Color Anodized, Add	*61.89*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	224.00	22.24
		For Installation With Adhesive, Deduct	*-20.10*	
		For Clear Anodized, Add	*13.50*	
		For Satin Face And Enameled Return, Add	*40.51*	
		For Patina Finish, Add	*54.01*	
		For Color Anodized, Add	*67.51*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	249.83	24.01
		For Installation With Adhesive, Deduct	*-22.10*	
		For Clear Anodized, Add	*15.38*	
		For Satin Face And Enameled Return, Add	*46.13*	
		For Patina Finish, Add	*61.51*	
		For Color Anodized, Add	*76.89*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	301.76	26.68
		For Installation With Adhesive, Deduct	*-25.76*	
		For Clear Anodized, Add	*19.50*	
		For Satin Face And Enameled Return, Add	*58.51*	
		For Patina Finish, Add	*78.01*	
		For Color Anodized, Add	*97.52*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	363.85	30.01
		For Installation With Adhesive, Deduct	*-30.20*	
		For Clear Anodized, Add	*24.38*	
		For Satin Face And Enameled Return, Add	*73.13*	
		For Patina Finish, Add	*97.51*	
		For Color Anodized, Add	*121.89*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	437.20	33.35
		For Installation With Adhesive, Deduct	*-35.20*	
		For Clear Anodized, Add	*30.38*	
		For Satin Face And Enameled Return, Add	*91.14*	
		For Patina Finish, Add	*121.52*	
		For Color Anodized, Add	*151.90*	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	70.42	9.18
		For Installation With Adhesive, Deduct	*-7.19*	
		For Oxidized Finish, Add	*5.06*	
		For Polished Or Patina Finish, Add	*10.12*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	99.46	10.00
		For Installation With Adhesive, Deduct	*-8.98*	
		For Oxidized Finish, Add	*8.91*	
		For Polished Or Patina Finish, Add	*17.83*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	108.54	10.68
		For Installation With Adhesive, Deduct	*-9.70*	
		For Oxidized Finish, Add	*9.88*	
		For Polished Or Patina Finish, Add	*19.76*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	131.55	12.00
		For Installation With Adhesive, Deduct	*-11.38*	
		For Oxidized Finish, Add	*12.53*	
		For Polished Or Patina Finish, Add	*25.06*	
10 14 19 00-0023	EA	6" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	146.13	12.81
		For Installation With Adhesive, Deduct	*-12.44*	
		For Oxidized Finish, Add	*14.21*	
		For Polished Or Patina Finish, Add	*28.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	193.61	14.68
		For Installation With Adhesive, Deduct	*-15.55*	
		For Oxidized Finish, Add	*20.24*	
		For Polished Or Patina Finish, Add	*40.47*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	220.37	15.34
		For Installation With Adhesive, Deduct	*-17.16*	
		For Oxidized Finish, Add	*23.85*	
		For Polished Or Patina Finish, Add	*47.70*	
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	246.58	16.68
		For Installation With Adhesive, Deduct	*-19.00*	
		For Oxidized Finish, Add	*26.98*	
		For Polished Or Patina Finish, Add	*53.96*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	292.60	19.34
		For Installation With Adhesive, Deduct	*-22.37*	
		For Oxidized Finish, Add	*32.28*	
		For Polished Or Patina Finish, Add	*64.57*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	343.42	22.01
		For Installation With Adhesive, Deduct	*-25.98*	
		For Oxidized Finish, Add	*38.31*	
		For Polished Or Patina Finish, Add	*76.61*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	407.07	26.68
		For Installation With Adhesive, Deduct	*-31.03*	
		For Oxidized Finish, Add	*45.05*	
		For Polished Or Patina Finish, Add	*90.10*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	423.10	28.69
		For Installation With Adhesive, Deduct	*-32.63*	
		For Oxidized Finish, Add	*46.26*	
		For Polished Or Patina Finish, Add	*92.51*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	597.57	33.35
		For Installation With Adhesive, Deduct	*-43.22*	
		For Oxidized Finish, Add	*69.62*	
		For Polished Or Patina Finish, Add	*139.25*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	718.63	37.53
		For Installation With Adhesive, Deduct	*-50.94*	
		For Oxidized Finish, Add	*85.28*	
		For Polished Or Patina Finish, Add	*170.57*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	912.24	43.35
		For Installation With Adhesive, Deduct	*-62.96*	
		For Oxidized Finish, Add	*110.82*	
		For Polished Or Patina Finish, Add	*221.64*	

10 14 19 00-0034 Molded Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	44.77	6.67
		For Installation With Adhesive, Deduct	*-4.91*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	48.54	7.34
		For Installation With Adhesive, Deduct	*-5.36*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	53.57	8.00
		For Installation With Adhesive, Deduct	*-5.88*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	67.80	8.67
		For Installation With Adhesive, Deduct	*-6.86*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	73.24	9.34
		For Installation With Adhesive, Deduct	*-7.40*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	79.28	10.00
		For Installation With Adhesive, Deduct	*-7.97*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	92.40	11.67
		For Installation With Adhesive, Deduct	*-9.29*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	121.39	14.68
		For Installation With Adhesive, Deduct	*-11.94*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	153.88	17.34
		For Installation With Adhesive, Deduct	*-14.63*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	225.62	21.35
		For Installation With Adhesive, Deduct	*-19.82*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	331.61	25.02
		For Installation With Adhesive, Deduct	*-26.59*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	433.21	28.69
		For Installation With Adhesive, Deduct	*-33.13*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	802.44	38.36
		For Installation With Adhesive, Deduct	*-55.46*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*
Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	53.98	8.34
		For Installation With Adhesive, Deduct	*-6.03*	
		For Clear Anodized, Add	*2.06*	
		For Satin Face And Enameled Return, Add	*7.22*	
		For Color Anodized, Add	*10.32*	
		For Polished Or Patina Finish, Add	*10.32*	
		For Polished Anodized Finish, Add	*15.47*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	74.32	9.67
		For Installation With Adhesive, Deduct	*-7.59*	
		For Clear Anodized, Add	*3.56*	
		For Satin Face And Enameled Return, Add	*12.47*	
		For Color Anodized, Add	*17.82*	
		For Polished Or Patina Finish, Add	*17.82*	
		For Polished Anodized Finish, Add	*26.72*	
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	99.20	11.67
		For Installation With Adhesive, Deduct	*-9.63*	
		For Clear Anodized, Add	*5.25*	
		For Satin Face And Enameled Return, Add	*18.38*	
		For Color Anodized, Add	*26.26*	
		For Polished Or Patina Finish, Add	*26.26*	
		For Polished Anodized Finish, Add	*39.38*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	120.88	13.34
		For Installation With Adhesive, Deduct	*-11.38*	
		For Clear Anodized, Add	*6.75*	
		For Satin Face And Enameled Return, Add	*23.63*	
		For Color Anodized, Add	*33.76*	
		For Polished Or Patina Finish, Add	*33.76*	
		For Polished Anodized Finish, Add	*50.63*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	138.79	15.01
		For Installation With Adhesive, Deduct	*-12.94*	
		For Clear Anodized, Add	*7.88*	
		For Satin Face And Enameled Return, Add	*27.57*	
		For Color Anodized, Add	*39.38*	
		For Polished Or Patina Finish, Add	*39.38*	
		For Polished Anodized Finish, Add	*59.07*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	159.39	17.34
		For Installation With Adhesive, Deduct	*-14.91*	
		For Clear Anodized, Add	*9.00*	
		For Satin Face And Enameled Return, Add	*31.50*	
		For Color Anodized, Add	*45.01*	
		For Polished Or Patina Finish, Add	*45.01*	
		For Polished Anodized Finish, Add	*67.51*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	186.93	20.01
		For Installation With Adhesive, Deduct	*-17.35*	
		For Clear Anodized, Add	*10.69*	
		For Satin Face And Enameled Return, Add	*37.41*	
		For Color Anodized, Add	*53.45*	
		For Polished Or Patina Finish, Add	*53.45*	
		For Polished Anodized Finish, Add	*80.17*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	221.70	24.01
		For Installation With Adhesive, Deduct	*-20.69*	
		For Clear Anodized, Add	*12.56*	
		For Satin Face And Enameled Return, Add	*43.97*	
		For Color Anodized, Add	*62.82*	
		For Polished Or Patina Finish, Add	*62.82*	
		For Polished Anodized Finish, Add	*94.23*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	249.25	26.68
		For Installation With Adhesive, Deduct	*-23.14*	
		For Clear Anodized, Add	*14.25*	
		For Satin Face And Enameled Return, Add	*49.88*	
		For Color Anodized, Add	*71.26*	
		For Polished Or Patina Finish, Add	*71.26*	
		For Polished Anodized Finish, Add	*106.89*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	298.22	30.01
		For Installation With Adhesive, Deduct	*-26.92*	
		For Clear Anodized, Add	*17.82*	
		For Satin Face And Enameled Return, Add	*62.35*	
		For Color Anodized, Add	*89.08*	
		For Polished Or Patina Finish, Add	*89.08*	
		For Polished Anodized Finish, Add	*133.61*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	340.52	31.68
		For Installation With Adhesive, Deduct	*-29.70*	
		For Clear Anodized, Add	*21.38*	
		For Satin Face And Enameled Return, Add	*74.82*	
		For Color Anodized, Add	*106.89*	
		For Polished Or Patina Finish, Add	*106.89*	
		For Polished Anodized Finish, Add	*160.34*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	418.45	33.35
		For Installation With Adhesive, Deduct	*-34.26*	
		For Clear Anodized, Add	*28.50*	
		For Satin Face And Enameled Return, Add	*99.76*	
		For Color Anodized, Add	*142.52*	
		For Polished Or Patina Finish, Add	*142.52*	
		For Polished Anodized Finish, Add	*213.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	594.53	40.03
		For Installation With Adhesive, Deduct	*-45.74*	
		For Clear Anodized, Add	*43.44*	
		For Satin Face And Enameled Return, Add	*152.05*	
		For Color Anodized, Add	*217.22*	
		For Polished Or Patina Finish, Add	*217.22*	
		For Polished Anodized Finish, Add	*325.82*	
10 14 19 00-0065		3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	67.18	8.34
		For Installation With Adhesive, Deduct	*-6.69*	
		For Clear Anodized, Add	*3.38*	
		For Satin Face And Enameled Return, Add	*11.84*	
		For Color Anodized, Add	*16.92*	
		For Polished Or Patina Finish, Add	*16.92*	
		For Polished Anodized Finish, Add	*25.37*	
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	94.99	9.67
		For Installation With Adhesive, Deduct	*-8.62*	
		For Clear Anodized, Add	*5.63*	
		For Satin Face And Enameled Return, Add	*19.71*	
		For Color Anodized, Add	*28.15*	
		For Polished Or Patina Finish, Add	*28.15*	
		For Polished Anodized Finish, Add	*42.23*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	119.67	11.67
		For Installation With Adhesive, Deduct	*-10.65*	
		For Clear Anodized, Add	*7.30*	
		For Satin Face And Enameled Return, Add	*25.54*	
		For Color Anodized, Add	*36.49*	
		For Polished Or Patina Finish, Add	*36.49*	
		For Polished Anodized Finish, Add	*54.74*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	149.23	13.34
		For Installation With Adhesive, Deduct	*-12.80*	
		For Clear Anodized, Add	*9.59*	
		For Satin Face And Enameled Return, Add	*33.55*	
		For Color Anodized, Add	*47.93*	
		For Polished Or Patina Finish, Add	*47.93*	
		For Polished Anodized Finish, Add	*71.90*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	172.66	15.01
		For Installation With Adhesive, Deduct	*-14.64*	
		For Clear Anodized, Add	*11.26*	
		For Satin Face And Enameled Return, Add	*39.42*	
		For Color Anodized, Add	*56.32*	
		For Polished Or Patina Finish, Add	*56.32*	
		For Polished Anodized Finish, Add	*84.47*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	202.60	17.34
		For Installation With Adhesive, Deduct	*-17.07*	
		For Clear Anodized, Add	*13.32*	
		For Satin Face And Enameled Return, Add	*46.63*	
		For Color Anodized, Add	*66.61*	
		For Polished Or Patina Finish, Add	*66.61*	
		For Polished Anodized Finish, Add	*99.92*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	237.17	20.01
		For Installation With Adhesive, Deduct	*-19.86*	
		For Clear Anodized, Add	*15.71*	
		For Satin Face And Enameled Return, Add	*55.00*	
		For Color Anodized, Add	*78.57*	
		For Polished Or Patina Finish, Add	*78.57*	
		For Polished Anodized Finish, Add	*117.85*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	293.32	24.01
		For Installation With Adhesive, Deduct	*-24.27*	
		For Clear Anodized, Add	*19.73*	
		For Satin Face And Enameled Return, Add	*69.04*	
		For Color Anodized, Add	*98.63*	
		For Polished Or Patina Finish, Add	*98.63*	
		For Polished Anodized Finish, Add	*147.95*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	339.04	26.68
		For Installation With Adhesive, Deduct	*-27.63*	
		For Clear Anodized, Add	*23.23*	
		For Satin Face And Enameled Return, Add	*81.31*	
		For Color Anodized, Add	*116.16*	
		For Polished Or Patina Finish, Add	*116.16*	
		For Polished Anodized Finish, Add	*174.23*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	392.64	30.01
		For Installation With Adhesive, Deduct	*-31.64*	
		For Clear Anodized, Add	*27.26*	
		For Satin Face And Enameled Return, Add	*95.40*	
		For Color Anodized, Add	*136.29*	
		For Polished Or Patina Finish, Add	*136.29*	
		For Polished Anodized Finish, Add	*204.43*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	438.86	31.68
		For Installation With Adhesive, Deduct	*-34.62*	
		For Clear Anodized, Add	*31.21*	
		For Satin Face And Enameled Return, Add	*109.24*	
		For Color Anodized, Add	*156.06*	
		For Polished Or Patina Finish, Add	*156.06*	
		For Polished Anodized Finish, Add	*234.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	486.86	33.35
		For Installation With Adhesive, Deduct	*-37.68*	
		For Clear Anodized, Add	*35.35*	
		For Satin Face And Enameled Return, Add	*123.71*	
		For Color Anodized, Add	*176.73*	
		For Polished Or Patina Finish, Add	*176.73*	
		For Polished Anodized Finish, Add	*265.09*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	666.42	40.03
		For Installation With Adhesive, Deduct	*-49.33*	
		For Clear Anodized, Add	*50.63*	
		For Satin Face And Enameled Return, Add	*177.21*	
		For Color Anodized, Add	*253.16*	
		For Polished Or Patina Finish, Add	*253.16*	
		For Polished Anodized Finish, Add	*379.74*	
10 14 19 00-0079		1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	82.44	8.34
		For Installation With Adhesive, Deduct	*-7.46*	
		For Clear Anodized, Add	*4.91*	
		For Satin Face And Enameled Return, Add	*17.18*	
		For Color Anodized, Add	*24.55*	
		For Polished Or Patina Finish, Add	*24.55*	
		For Polished Anodized Finish, Add	*36.82*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	106.03	9.67
		For Installation With Adhesive, Deduct	*-9.17*	
		For Clear Anodized, Add	*6.73*	
		For Satin Face And Enameled Return, Add	*23.57*	
		For Color Anodized, Add	*33.67*	
		For Polished Or Patina Finish, Add	*33.67*	
		For Polished Anodized Finish, Add	*50.51*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	132.80	11.67
		For Installation With Adhesive, Deduct	*-11.31*	
		For Clear Anodized, Add	*8.61*	
		For Satin Face And Enameled Return, Add	*30.14*	
		For Color Anodized, Add	*43.06*	
		For Polished Or Patina Finish, Add	*43.06*	
		For Polished Anodized Finish, Add	*64.58*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	156.66	13.34
		For Installation With Adhesive, Deduct	*-13.17*	
		For Clear Anodized, Add	*10.33*	
		For Satin Face And Enameled Return, Add	*36.15*	
		For Color Anodized, Add	*51.65*	
		For Polished Or Patina Finish, Add	*51.65*	
		For Polished Anodized Finish, Add	*77.47*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	182.11	15.01
		For Installation With Adhesive, Deduct	*-15.11*	
		For Clear Anodized, Add	*12.21*	
		For Satin Face And Enameled Return, Add	*42.73*	
		For Color Anodized, Add	*61.04*	
		For Polished Or Patina Finish, Add	*61.04*	
		For Polished Anodized Finish, Add	*91.56*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	223.30	17.34
		For Installation With Adhesive, Deduct	*-18.10*	
		For Clear Anodized, Add	*15.39*	
		For Satin Face And Enameled Return, Add	*53.87*	
		For Color Anodized, Add	*76.96*	
		For Polished Or Patina Finish, Add	*76.96*	
		For Polished Anodized Finish, Add	*115.44*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	274.58	20.01
		For Installation With Adhesive, Deduct	*-21.73*	
		For Clear Anodized, Add	*19.45*	
		For Satin Face And Enameled Return, Add	*68.09*	
		For Color Anodized, Add	*97.27*	
		For Polished Or Patina Finish, Add	*97.27*	
		For Polished Anodized Finish, Add	*145.91*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	332.27	24.01
		For Installation With Adhesive, Deduct	*-26.22*	
		For Clear Anodized, Add	*23.62*	
		For Satin Face And Enameled Return, Add	*82.67*	
		For Color Anodized, Add	*118.11*	
		For Polished Or Patina Finish, Add	*118.11*	
		For Polished Anodized Finish, Add	*177.16*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	401.75	26.68
		For Installation With Adhesive, Deduct	*-30.76*	
		For Clear Anodized, Add	*29.50*	
		For Satin Face And Enameled Return, Add	*103.26*	
		For Color Anodized, Add	*147.51*	
		For Polished Or Patina Finish, Add	*147.51*	
		For Polished Anodized Finish, Add	*221.27*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	472.81	30.01
		For Installation With Adhesive, Deduct	*-35.65*	
		For Clear Anodized, Add	*35.27*	
		For Satin Face And Enameled Return, Add	*123.46*	
		For Color Anodized, Add	*176.37*	
		For Polished Or Patina Finish, Add	*176.37*	
		For Polished Anodized Finish, Add	*264.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	541.47	31.68
		For Installation With Adhesive, Deduct	*-39.75*	
		For Clear Anodized, Add	*41.47*	
		For Satin Face And Enameled Return, Add	*145.16*	
		For Color Anodized, Add	*207.37*	
		For Polished Or Patina Finish, Add	*207.37*	
		For Polished Anodized Finish, Add	*311.05*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	606.58	33.35
		For Installation With Adhesive, Deduct	*-43.67*	
		For Clear Anodized, Add	*47.32*	
		For Satin Face And Enameled Return, Add	*165.61*	
		For Color Anodized, Add	*236.59*	
		For Polished Or Patina Finish, Add	*236.59*	
		For Polished Anodized Finish, Add	*354.88*	
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	838.57	40.03
		For Installation With Adhesive, Deduct	*-57.94*	
		For Clear Anodized, Add	*67.85*	
		For Satin Face And Enameled Return, Add	*237.46*	
		For Color Anodized, Add	*339.24*	
		For Polished Or Patina Finish, Add	*339.24*	
		For Polished Anodized Finish, Add	*508.85*	
10 14 19 00-0093		3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*		
10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	85.95	8.34
		For Installation With Adhesive, Deduct	*-7.63*	
		For Clear Anodized, Add	*5.26*	
		For Satin Face And Enameled Return, Add	*18.41*	
		For Color Anodized, Add	*26.30*	
		For Polished Or Patina Finish, Add	*26.30*	
		For Polished Anodized Finish, Add	*39.45*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	109.95	9.67
		For Installation With Adhesive, Deduct	*-9.37*	
		For Clear Anodized, Add	*7.13*	
		For Satin Face And Enameled Return, Add	*24.94*	
		For Color Anodized, Add	*35.63*	
		For Polished Or Patina Finish, Add	*35.63*	
		For Polished Anodized Finish, Add	*53.45*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	144.35	11.67
		For Installation With Adhesive, Deduct	*-11.89*	
		For Clear Anodized, Add	*9.77*	
		For Satin Face And Enameled Return, Add	*34.18*	
		For Color Anodized, Add	*48.83*	
		For Polished Or Patina Finish, Add	*48.83*	
		For Polished Anodized Finish, Add	*73.25*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	190.41	13.34
		For Installation With Adhesive, Deduct	*-14.86*	
		For Clear Anodized, Add	*13.70*	
		For Satin Face And Enameled Return, Add	*47.96*	
		For Color Anodized, Add	*68.52*	
		For Polished Or Patina Finish, Add	*68.52*	
		For Polished Anodized Finish, Add	*102.78*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	238.03	15.01
		For Installation With Adhesive, Deduct	*-17.90*	
		For Clear Anodized, Add	*17.80*	
		For Satin Face And Enameled Return, Add	*62.30*	
		For Color Anodized, Add	*89.00*	
		For Polished Or Patina Finish, Add	*89.00*	
		For Polished Anodized Finish, Add	*133.50*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	298.01	17.34
		For Installation With Adhesive, Deduct	*-21.84*	
		For Clear Anodized, Add	*22.86*	
		For Satin Face And Enameled Return, Add	*80.02*	
		For Color Anodized, Add	*114.32*	
		For Polished Or Patina Finish, Add	*114.32*	
		For Polished Anodized Finish, Add	*171.47*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	370.78	20.01
		For Installation With Adhesive, Deduct	*-26.54*	
		For Clear Anodized, Add	*29.07*	
		For Satin Face And Enameled Return, Add	*101.76*	
		For Color Anodized, Add	*145.37*	
		For Polished Or Patina Finish, Add	*145.37*	
		For Polished Anodized Finish, Add	*218.06*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	457.91	24.01
		For Installation With Adhesive, Deduct	*-32.50*	
		For Clear Anodized, Add	*36.19*	
		For Satin Face And Enameled Return, Add	*126.65*	
		For Color Anodized, Add	*180.93*	
		For Polished Or Patina Finish, Add	*180.93*	
		For Polished Anodized Finish, Add	*271.39*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	558.52	26.68
		For Installation With Adhesive, Deduct	*-38.60*	
		For Clear Anodized, Add	*45.18*	
		For Satin Face And Enameled Return, Add	*158.13*	
		For Color Anodized, Add	*225.90*	
		For Polished Or Patina Finish, Add	*225.90*	
		For Polished Anodized Finish, Add	*338.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	663.43	30.01
		For Installation With Adhesive, Deduct	*-45.18*	
		For Clear Anodized, Add	*54.34*	
		For Satin Face And Enameled Return, Add	*190.18*	
		For Color Anodized, Add	*271.68*	
		For Polished Or Patina Finish, Add	*271.68*	
		For Polished Anodized Finish, Add	*407.52*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	768.08	31.68
		For Installation With Adhesive, Deduct	*-51.08*	
		For Clear Anodized, Add	*64.13*	
		For Satin Face And Enameled Return, Add	*224.47*	
		For Color Anodized, Add	*320.67*	
		For Polished Or Patina Finish, Add	*320.67*	
		For Polished Anodized Finish, Add	*481.01*	
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	877.36	33.35
		For Installation With Adhesive, Deduct	*-57.21*	
		For Clear Anodized, Add	*74.40*	
		For Satin Face And Enameled Return, Add	*260.38*	
		For Color Anodized, Add	*371.98*	
		For Polished Or Patina Finish, Add	*371.98*	
		For Polished Anodized Finish, Add	*557.96*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,203.12	40.03
		For Installation With Adhesive, Deduct	*-76.17*	
		For Clear Anodized, Add	*104.30*	
		For Satin Face And Enameled Return, Add	*365.06*	
		For Color Anodized, Add	*521.51*	
		For Polished Or Patina Finish, Add	*521.51*	
		For Polished Anodized Finish, Add	*782.27*	

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	95.23	8.34
		For Installation With Adhesive, Deduct	*-8.10*	
		For Clear Anodized, Add	*6.19*	
		For Satin Face And Enameled Return, Add	*21.66*	
		For Color Anodized, Add	*30.94*	
		For Polished Or Patina Finish, Add	*30.94*	
		For Polished Anodized Finish, Add	*46.41*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	117.43	9.67
		For Installation With Adhesive, Deduct	*-9.74*	
		For Clear Anodized, Add	*7.87*	
		For Satin Face And Enameled Return, Add	*27.56*	
		For Color Anodized, Add	*39.37*	
		For Polished Or Patina Finish, Add	*39.37*	
		For Polished Anodized Finish, Add	*59.06*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	153.80	11.67
		For Installation With Adhesive, Deduct	*-12.36*	
		For Clear Anodized, Add	*10.71*	
		For Satin Face And Enameled Return, Add	*37.49*	
		For Color Anodized, Add	*53.56*	
		For Polished Or Patina Finish, Add	*53.56*	
		For Polished Anodized Finish, Add	*80.33*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	209.32	13.34
		For Installation With Adhesive, Deduct	*-15.80*	
		For Clear Anodized, Add	*15.60*	
		For Satin Face And Enameled Return, Add	*54.58*	
		For Color Anodized, Add	*77.98*	
		For Polished Or Patina Finish, Add	*77.98*	
		For Polished Anodized Finish, Add	*116.96*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	282.92	15.01
		For Installation With Adhesive, Deduct	*-20.15*	
		For Clear Anodized, Add	*22.29*	
		For Satin Face And Enameled Return, Add	*78.01*	
		For Color Anodized, Add	*111.45*	
		For Polished Or Patina Finish, Add	*111.45*	
		For Polished Anodized Finish, Add	*167.17*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	369.12	17.34
		For Installation With Adhesive, Deduct	*-25.39*	
		For Clear Anodized, Add	*29.97*	
		For Satin Face And Enameled Return, Add	*104.91*	
		For Color Anodized, Add	*149.87*	
		For Polished Or Patina Finish, Add	*149.87*	
		For Polished Anodized Finish, Add	*224.81*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	465.91	20.01
		For Installation With Adhesive, Deduct	*-31.30*	
		For Clear Anodized, Add	*38.59*	
		For Satin Face And Enameled Return, Add	*135.05*	
		For Color Anodized, Add	*192.94*	
		For Polished Or Patina Finish, Add	*192.94*	
		For Polished Anodized Finish, Add	*289.40*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	578.53	24.01
		For Installation With Adhesive, Deduct	*-38.53*	
		For Clear Anodized, Add	*48.25*	
		For Satin Face And Enameled Return, Add	*168.86*	
		For Color Anodized, Add	*241.24*	
		For Polished Or Patina Finish, Add	*241.24*	
		For Polished Anodized Finish, Add	*361.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	699.61	26.68
		For Installation With Adhesive, Deduct	*-45.65*	
		For Clear Anodized, Add	*59.29*	
		For Satin Face And Enameled Return, Add	*207.51*	
		For Color Anodized, Add	*296.44*	
		For Polished Or Patina Finish, Add	*296.44*	
		For Polished Anodized Finish, Add	*444.66*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	859.39	30.01
		For Installation With Adhesive, Deduct	*-54.98*	
		For Clear Anodized, Add	*73.93*	
		For Satin Face And Enameled Return, Add	*258.76*	
		For Color Anodized, Add	*369.66*	
		For Polished Or Patina Finish, Add	*369.66*	
		For Polished Anodized Finish, Add	*554.49*	
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,022.48	31.68
		For Installation With Adhesive, Deduct	*-63.80*	
		For Clear Anodized, Add	*89.57*	
		For Satin Face And Enameled Return, Add	*313.51*	
		For Color Anodized, Add	*447.87*	
		For Polished Or Patina Finish, Add	*447.87*	
		For Polished Anodized Finish, Add	*671.81*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,205.16	33.35
		For Installation With Adhesive, Deduct	*-73.60*	
		For Clear Anodized, Add	*107.18*	
		For Satin Face And Enameled Return, Add	*375.11*	
		For Color Anodized, Add	*535.88*	
		For Polished Or Patina Finish, Add	*535.88*	
		For Polished Anodized Finish, Add	*803.81*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,699.31	40.03
		For Installation With Adhesive, Deduct	*-100.98*	
		For Clear Anodized, Add	*153.92*	
		For Satin Face And Enameled Return, Add	*538.72*	
		For Color Anodized, Add	*769.61*	
		For Polished Or Patina Finish, Add	*769.61*	
		For Polished Anodized Finish, Add	*1,154.41*	
10 14 19 00-0121		Satin Finish, Brass Characters *(10 14 19 00-0049)*		
10 14 19 00-0122		1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	69.80	8.34
		For Installation With Adhesive, Deduct	*-6.83*	
		For Oxidized Finish, Add	*5.47*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	89.42	9.67
		For Installation With Adhesive, Deduct	*-8.34*	
		For Oxidized Finish, Add	*7.61*	
		For Polished Finish, Add	*15.22*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	122.20	11.67
		For Installation With Adhesive, Deduct	*-10.78*	
		For Oxidized Finish, Add	*11.33*	
		For Polished Finish, Add	*22.65*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	158.83	13.34
		For Installation With Adhesive, Deduct	*-13.28*	
		For Oxidized Finish, Add	*15.82*	
		For Polished Finish, Add	*31.64*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	201.94	15.01
		For Installation With Adhesive, Deduct	*-16.10*	
		For Oxidized Finish, Add	*21.29*	
		For Polished Finish, Add	*42.57*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	254.26	17.34
		For Installation With Adhesive, Deduct	*-19.65*	
		For Oxidized Finish, Add	*27.73*	
		For Polished Finish, Add	*55.46*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	316.99	20.01
		For Installation With Adhesive, Deduct	*-23.85*	
		For Oxidized Finish, Add	*35.54*	
		For Polished Finish, Add	*71.09*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	386.39	24.01
		For Installation With Adhesive, Deduct	*-28.93*	
		For Oxidized Finish, Add	*43.55*	
		For Polished Finish, Add	*87.10*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	467.55	26.68
		For Installation With Adhesive, Deduct	*-34.05*	
		For Oxidized Finish, Add	*54.12*	
		For Polished Finish, Add	*108.25*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	554.92	30.01
		For Installation With Adhesive, Deduct	*-39.75*	
		For Oxidized Finish, Add	*65.23*	
		For Polished Finish, Add	*130.46*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	678.76	31.68
		For Installation With Adhesive, Deduct	*-46.61*	
		For Oxidized Finish, Add	*82.80*	
		For Polished Finish, Add	*165.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	743.46	33.35
		For Installation With Adhesive, Deduct	*-50.51*	
		For Oxidized Finish, Add	*91.51*	
		For Polished Finish, Add	*183.02*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,111.32	40.03
		For Installation With Adhesive, Deduct	*-71.58*	
		For Oxidized Finish, Add	*142.68*	
		For Polished Finish, Add	*285.37*	
10 14 19 00-0136		**3/8" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	82.56	8.34
		For Installation With Adhesive, Deduct	*-7.46*	
		For Oxidized Finish, Add	*7.38*	
		For Polished Finish, Add	*14.76*	
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	107.17	9.67
		For Installation With Adhesive, Deduct	*-9.23*	
		For Oxidized Finish, Add	*10.27*	
		For Polished Finish, Add	*20.54*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	152.41	11.67
		For Installation With Adhesive, Deduct	*-12.29*	
		For Oxidized Finish, Add	*15.86*	
		For Polished Finish, Add	*31.72*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	201.01	13.34
		For Installation With Adhesive, Deduct	*-15.39*	
		For Oxidized Finish, Add	*22.15*	
		For Polished Finish, Add	*44.29*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	265.80	15.01
		For Installation With Adhesive, Deduct	*-19.29*	
		For Oxidized Finish, Add	*30.87*	
		For Polished Finish, Add	*61.73*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	337.45	17.34
		For Installation With Adhesive, Deduct	*-23.81*	
		For Oxidized Finish, Add	*40.21*	
		For Polished Finish, Add	*80.42*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	423.62	20.01
		For Installation With Adhesive, Deduct	*-29.19*	
		For Oxidized Finish, Add	*51.54*	
		For Polished Finish, Add	*103.07*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	502.53	24.01
		For Installation With Adhesive, Deduct	*-34.73*	
		For Oxidized Finish, Add	*60.97*	
		For Polished Finish, Add	*121.94*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	629.92	26.68
		For Installation With Adhesive, Deduct	*-42.17*	
		For Oxidized Finish, Add	*78.48*	
		For Polished Finish, Add	*156.96*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	728.86	30.01
		For Installation With Adhesive, Deduct	*-48.45*	
		For Oxidized Finish, Add	*91.32*	
		For Polished Finish, Add	*182.64*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	894.05	31.68
		For Installation With Adhesive, Deduct	*-57.38*	
		For Oxidized Finish, Add	*115.10*	
		For Polished Finish, Add	*230.19*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,017.99	33.35
		For Installation With Adhesive, Deduct	*-64.24*	
		For Oxidized Finish, Add	*132.69*	
		For Polished Finish, Add	*265.37*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,406.20	40.03
		For Installation With Adhesive, Deduct	*-86.32*	
		For Oxidized Finish, Add	*186.92*	
		For Polished Finish, Add	*373.83*	
10 14 19 00-0150		**1/2" Deep, Satin Finish, Brass Characters** *(10 14 19 00-0121)*		
10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	102.61	8.34
		For Installation With Adhesive, Deduct	*-8.47*	
		For Oxidized Finish, Add	*10.39*	
		For Polished Finish, Add	*20.78*	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	132.53	9.67
		For Installation With Adhesive, Deduct	*-10.50*	
		For Oxidized Finish, Add	*14.08*	
		For Polished Finish, Add	*28.15*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	190.16	11.67
		For Installation With Adhesive, Deduct	*-14.18*	
		For Oxidized Finish, Add	*21.52*	
		For Polished Finish, Add	*43.04*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	259.01	13.34
		For Installation With Adhesive, Deduct	*-18.29*	
		For Oxidized Finish, Add	*30.85*	
		For Polished Finish, Add	*61.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	358.04	15.01
		For Installation With Adhesive, Deduct	*-23.91*	
		For Oxidized Finish, Add	*44.70*	
		For Polished Finish, Add	*89.40*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	476.11	17.34
		For Installation With Adhesive, Deduct	*-30.74*	
		For Oxidized Finish, Add	*61.01*	
		For Polished Finish, Add	*122.02*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	589.49	20.01
		For Installation With Adhesive, Deduct	*-37.48*	
		For Oxidized Finish, Add	*76.42*	
		For Polished Finish, Add	*152.84*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	702.86	24.01
		For Installation With Adhesive, Deduct	*-44.75*	
		For Oxidized Finish, Add	*91.02*	
		For Polished Finish, Add	*182.04*	
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	954.67	26.68
		For Installation With Adhesive, Deduct	*-58.41*	
		For Oxidized Finish, Add	*127.19*	
		For Polished Finish, Add	*254.38*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,076.74	30.01
		For Installation With Adhesive, Deduct	*-65.84*	
		For Oxidized Finish, Add	*143.50*	
		For Polished Finish, Add	*287.00*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,341.19	31.68
		For Installation With Adhesive, Deduct	*-79.73*	
		For Oxidized Finish, Add	*182.17*	
		For Polished Finish, Add	*364.34*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,567.03	33.35
		For Installation With Adhesive, Deduct	*-91.69*	
		For Oxidized Finish, Add	*215.04*	
		For Polished Finish, Add	*430.09*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,357.43	40.03
		For Installation With Adhesive, Deduct	*-133.88*	
		For Oxidized Finish, Add	*329.60*	
		For Polished Finish, Add	*659.20*	
10 14 19 00-0164		3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*		
10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	124.49	8.34
		For Installation With Adhesive, Deduct	*-9.56*	
		For Oxidized Finish, Add	*13.67*	
		For Polished Finish, Add	*27.34*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	173.11	9.67
		For Installation With Adhesive, Deduct	*-12.52*	
		For Oxidized Finish, Add	*20.16*	
		For Polished Finish, Add	*40.33*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	235.47	11.67
		For Installation With Adhesive, Deduct	*-16.44*	
		For Oxidized Finish, Add	*28.32*	
		For Polished Finish, Add	*56.63*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	317.01	13.34
		For Installation With Adhesive, Deduct	*-21.19*	
		For Oxidized Finish, Add	*39.55*	
		For Polished Finish, Add	*79.09*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	429.00	15.01
		For Installation With Adhesive, Deduct	*-27.45*	
		For Oxidized Finish, Add	*55.35*	
		For Polished Finish, Add	*110.69*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	587.03	17.34
		For Installation With Adhesive, Deduct	*-36.29*	
		For Oxidized Finish, Add	*77.65*	
		For Polished Finish, Add	*155.30*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	731.66	20.01
		For Installation With Adhesive, Deduct	*-44.59*	
		For Oxidized Finish, Add	*97.74*	
		For Polished Finish, Add	*195.49*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	853.83	24.01
		For Installation With Adhesive, Deduct	*-52.30*	
		For Oxidized Finish, Add	*113.67*	
		For Polished Finish, Add	*227.33*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,135.08	26.68
		For Installation With Adhesive, Deduct	*-67.43*	
		For Oxidized Finish, Add	*154.25*	
		For Polished Finish, Add	*308.51*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,241.98	30.01
		For Installation With Adhesive, Deduct	*-74.11*	
		For Oxidized Finish, Add	*168.29*	
		For Polished Finish, Add	*336.57*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,573.04	31.68
		For Installation With Adhesive, Deduct	*-91.33*	
		For Oxidized Finish, Add	*216.95*	
		For Polished Finish, Add	*433.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,994.07	33.35
		For Installation With Adhesive, Deduct	*-113.04*	
		For Oxidized Finish, Add	*279.10*	
		For Polished Finish, Add	*558.20*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	3,004.26	40.03
		For Installation With Adhesive, Deduct	*-166.22*	
		For Oxidized Finish, Add	*426.62*	
		For Polished Finish, Add	*853.25*	

10 14 19 00-0178 Satin Finish, Bronze Characters *(10 14 19 00-0049)*

10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	77.07	8.34
		For Installation With Adhesive, Deduct	*-7.19*	
		For Oxidized Finish, Add	*6.56*	
		For Polished Or Patina Finish, Add	*13.12*	
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	99.59	9.67
		For Installation With Adhesive, Deduct	*-8.85*	
		For Oxidized Finish, Add	*9.14*	
		For Polished Or Patina Finish, Add	*18.27*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	137.26	11.67
		For Installation With Adhesive, Deduct	*-11.53*	
		For Oxidized Finish, Add	*13.59*	
		For Polished Or Patina Finish, Add	*27.17*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	179.85	13.34
		For Installation With Adhesive, Deduct	*-14.33*	
		For Oxidized Finish, Add	*18.97*	
		For Polished Or Patina Finish, Add	*37.94*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	230.23	15.01
		For Installation With Adhesive, Deduct	*-17.51*	
		For Oxidized Finish, Add	*25.53*	
		For Polished Or Patina Finish, Add	*51.06*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	291.11	17.34
		For Installation With Adhesive, Deduct	*-21.49*	
		For Oxidized Finish, Add	*33.26*	
		For Polished Or Patina Finish, Add	*66.52*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	364.23	20.01
		For Installation With Adhesive, Deduct	*-26.22*	
		For Oxidized Finish, Add	*42.63*	
		For Polished Or Patina Finish, Add	*85.26*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	452.08	24.01
		For Installation With Adhesive, Deduct	*-32.21*	
		For Oxidized Finish, Add	*53.40*	
		For Polished Or Patina Finish, Add	*106.81*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	540.82	26.68
		For Installation With Adhesive, Deduct	*-37.71*	
		For Oxidized Finish, Add	*65.11*	
		For Polished Or Patina Finish, Add	*130.23*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	641.60	30.01
		For Installation With Adhesive, Deduct	*-44.09*	
		For Oxidized Finish, Add	*78.23*	
		For Polished Or Patina Finish, Add	*156.46*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	748.21	31.68
		For Installation With Adhesive, Deduct	*-50.08*	
		For Oxidized Finish, Add	*93.22*	
		For Polished Or Patina Finish, Add	*186.44*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	865.74	33.35
		For Installation With Adhesive, Deduct	*-56.63*	
		For Oxidized Finish, Add	*109.85*	
		For Polished Or Patina Finish, Add	*219.70*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,312.47	40.03
		For Installation With Adhesive, Deduct	*-81.63*	
		For Oxidized Finish, Add	*172.86*	
		For Polished Or Patina Finish, Add	*345.71*	

10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	91.06	8.34
		For Installation With Adhesive, Deduct	*-7.89*	
		For Oxidized Finish, Add	*8.66*	
		For Polished Or Patina Finish, Add	*17.31*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	118.47	9.67
		For Installation With Adhesive, Deduct	*-9.79*	
		For Oxidized Finish, Add	*11.97*	
		For Polished Or Patina Finish, Add	*23.93*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	171.67	11.67
		For Installation With Adhesive, Deduct	*-13.25*	
		For Oxidized Finish, Add	*18.75*	
		For Polished Or Patina Finish, Add	*37.49*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	226.65	13.34
		For Installation With Adhesive, Deduct	*-16.67*	
		For Oxidized Finish, Add	*25.99*	
		For Polished Or Patina Finish, Add	*51.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	306.82	15.01
		For Installation With Adhesive, Deduct	*-21.34*	
		For Oxidized Finish, Add	*37.02*	
		For Polished Or Patina Finish, Add	*74.04*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	388.67	17.34
		For Installation With Adhesive, Deduct	*-26.37*	
		For Oxidized Finish, Add	*47.89*	
		For Polished Or Patina Finish, Add	*95.79*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	486.43	20.01
		For Installation With Adhesive, Deduct	*-32.33*	
		For Oxidized Finish, Add	*60.96*	
		For Polished Or Patina Finish, Add	*121.92*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	601.60	24.01
		For Installation With Adhesive, Deduct	*-39.69*	
		For Oxidized Finish, Add	*75.83*	
		For Polished Or Patina Finish, Add	*151.66*	
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	727.48	26.68
		For Installation With Adhesive, Deduct	*-47.05*	
		For Oxidized Finish, Add	*93.11*	
		For Polished Or Patina Finish, Add	*186.23*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	865.86	30.01
		For Installation With Adhesive, Deduct	*-55.30*	
		For Oxidized Finish, Add	*111.87*	
		For Polished Or Patina Finish, Add	*223.74*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,015.44	31.68
		For Installation With Adhesive, Deduct	*-63.45*	
		For Oxidized Finish, Add	*133.31*	
		For Polished Or Patina Finish, Add	*266.61*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,151.35	33.35
		For Installation With Adhesive, Deduct	*-70.91*	
		For Oxidized Finish, Add	*152.69*	
		For Polished Or Patina Finish, Add	*305.38*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,577.51	40.03
		For Installation With Adhesive, Deduct	*-94.89*	
		For Oxidized Finish, Add	*212.61*	
		For Polished Or Patina Finish, Add	*425.22*	
10 14 19 00-0207		1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*		
10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	94.12	8.34
		For Installation With Adhesive, Deduct	*-8.04*	
		For Oxidized Finish, Add	*9.12*	
		For Polished Or Patina Finish, Add	*18.23*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	140.39	9.67
		For Installation With Adhesive, Deduct	*-10.89*	
		For Oxidized Finish, Add	*15.26*	
		For Polished Or Patina Finish, Add	*30.51*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	199.75	11.67
		For Installation With Adhesive, Deduct	*-14.66*	
		For Oxidized Finish, Add	*22.96*	
		For Polished Or Patina Finish, Add	*45.92*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	274.71	13.34
		For Installation With Adhesive, Deduct	*-19.07*	
		For Oxidized Finish, Add	*33.20*	
		For Polished Or Patina Finish, Add	*66.40*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	374.90	15.01
		For Installation With Adhesive, Deduct	*-24.75*	
		For Oxidized Finish, Add	*47.23*	
		For Polished Or Patina Finish, Add	*94.46*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	510.62	17.34
		For Installation With Adhesive, Deduct	*-32.47*	
		For Oxidized Finish, Add	*66.19*	
		For Polished Or Patina Finish, Add	*132.37*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	662.62	20.01
		For Installation With Adhesive, Deduct	*-41.14*	
		For Oxidized Finish, Add	*87.39*	
		For Polished Or Patina Finish, Add	*174.77*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	829.45	24.01
		For Installation With Adhesive, Deduct	*-51.08*	
		For Oxidized Finish, Add	*110.01*	
		For Polished Or Patina Finish, Add	*220.02*	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,018.32	26.68
		For Installation With Adhesive, Deduct	*-61.59*	
		For Oxidized Finish, Add	*136.74*	
		For Polished Or Patina Finish, Add	*273.48*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,220.50	30.01
		For Installation With Adhesive, Deduct	*-73.03*	
		For Oxidized Finish, Add	*165.06*	
		For Polished Or Patina Finish, Add	*330.13*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,444.25	31.68
		For Installation With Adhesive, Deduct	*-84.89*	
		For Oxidized Finish, Add	*197.63*	
		For Polished Or Patina Finish, Add	*395.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,678.63	33.35
		For Installation With Adhesive, Deduct	*-97.27*	
		For Oxidized Finish, Add	*231.78*	
		For Polished Or Patina Finish, Add	*463.57*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	2,349.59	40.03
		For Installation With Adhesive, Deduct	*-133.49*	
		For Oxidized Finish, Add	*328.42*	
		For Polished Or Patina Finish, Add	*656.85*	
10 14 19 00-0221		Satin Finish, Copper Characters *(10 14 19 00-0049)*		
10 14 19 00-0222		1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	69.80	8.34
		For Installation With Adhesive, Deduct	*-6.83*	
		For Polished Finish, Add	*10.94*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	90.77	9.67
		For Installation With Adhesive, Deduct	*-8.41*	
		For Polished Finish, Add	*15.62*	
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	127.41	11.67
		For Installation With Adhesive, Deduct	*-11.04*	
		For Polished Finish, Add	*24.22*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	167.94	13.34
		For Installation With Adhesive, Deduct	*-13.73*	
		For Polished Finish, Add	*34.37*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	212.36	15.01
		For Installation With Adhesive, Deduct	*-16.62*	
		For Polished Finish, Add	*45.70*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	269.88	17.34
		For Installation With Adhesive, Deduct	*-20.43*	
		For Polished Finish, Add	*60.15*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	337.82	20.01
		For Installation With Adhesive, Deduct	*-24.90*	
		For Polished Finish, Add	*77.33*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	416.34	24.01
		For Installation With Adhesive, Deduct	*-30.42*	
		For Polished Finish, Add	*96.08*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	498.61	26.68
		For Installation With Adhesive, Deduct	*-35.60*	
		For Polished Finish, Add	*117.56*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	590.07	30.01
		For Installation With Adhesive, Deduct	*-41.51*	
		For Polished Finish, Add	*141.00*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	687.89	31.68
		For Installation With Adhesive, Deduct	*-47.07*	
		For Polished Finish, Add	*168.35*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	793.49	33.35
		For Installation With Adhesive, Deduct	*-53.02*	
		For Polished Finish, Add	*198.02*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,137.18	40.03
		For Installation With Adhesive, Deduct	*-72.87*	
		For Polished Finish, Add	*293.12*	
10 14 19 00-0236		3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*		
10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	78.92	8.34
		For Installation With Adhesive, Deduct	*-7.28*	
		For Polished Finish, Add	*13.67*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	106.39	9.67
		For Installation With Adhesive, Deduct	*-9.19*	
		For Polished Finish, Add	*20.31*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	155.66	11.67
		For Installation With Adhesive, Deduct	*-12.45*	
		For Polished Finish, Add	*32.69*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	213.77	13.34
		For Installation With Adhesive, Deduct	*-16.03*	
		For Polished Finish, Add	*48.12*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	288.52	15.01
		For Installation With Adhesive, Deduct	*-20.43*	
		For Polished Finish, Add	*68.55*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	360.10	17.34
		For Installation With Adhesive, Deduct	*-24.94*	
		For Polished Finish, Add	*87.22*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	453.83	20.01
		For Installation With Adhesive, Deduct	*-30.70*	
		For Polished Finish, Add	*112.14*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	560.46	24.01
		For Installation With Adhesive, Deduct	*-37.63*	
		For Polished Finish, Add	*139.32*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	674.96	26.68
		For Installation With Adhesive, Deduct	*-44.42*	
		For Polished Finish, Add	*170.47*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	801.57	30.01
		For Installation With Adhesive, Deduct	*-52.09*	
		For Polished Finish, Add	*204.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	940.41	31.68
		For Installation With Adhesive, Deduct	*-59.69*	
		For Polished Finish, Add	*244.10*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,057.53	33.35
		For Installation With Adhesive, Deduct	*-66.22*	
		For Polished Finish, Add	*277.24*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,479.15	40.03
		For Installation With Adhesive, Deduct	*-89.97*	
		For Polished Finish, Add	*395.72*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	66.91	8.34
		For Installation With Adhesive, Deduct	*-6.68*	
		For Polished Finish, Add	*10.07*	
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	87.35	9.67
		For Installation With Adhesive, Deduct	*-8.24*	
		For Polished Finish, Add	*14.60*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	112.12	11.67
		For Installation With Adhesive, Deduct	*-10.28*	
		For Polished Finish, Add	*19.63*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	143.97	13.34
		For Installation With Adhesive, Deduct	*-12.54*	
		For Polished Finish, Add	*27.18*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	175.80	15.01
		For Installation With Adhesive, Deduct	*-14.79*	
		For Polished Finish, Add	*34.73*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	215.35	17.34
		For Installation With Adhesive, Deduct	*-17.71*	
		For Polished Finish, Add	*43.79*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	257.89	20.01
		For Installation With Adhesive, Deduct	*-20.90*	
		For Polished Finish, Add	*53.36*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	309.14	24.01
		For Installation With Adhesive, Deduct	*-25.06*	
		For Polished Finish, Add	*63.92*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	360.08	26.68
		For Installation With Adhesive, Deduct	*-28.68*	
		For Polished Finish, Add	*76.01*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	420.40	30.01
		For Installation With Adhesive, Deduct	*-33.03*	
		For Polished Finish, Add	*90.10*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	487.47	31.68
		For Installation With Adhesive, Deduct	*-37.05*	
		For Polished Finish, Add	*108.22*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	556.22	33.35
		For Installation With Adhesive, Deduct	*-41.15*	
		For Polished Finish, Add	*126.84*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	760.75	40.03
		For Installation With Adhesive, Deduct	*-54.05*	
		For Polished Finish, Add	*180.20*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	78.65	8.34
		For Installation With Adhesive, Deduct	*-7.27*	
		For Polished Finish, Add	*13.59*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	104.38	9.67
		For Installation With Adhesive, Deduct	*-9.09*	
		For Polished Finish, Add	*19.71*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	133.72	11.67
		For Installation With Adhesive, Deduct	*-11.36*	
		For Polished Finish, Add	*26.11*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	170.25	13.34
		For Installation With Adhesive, Deduct	*-13.85*	
		For Polished Finish, Add	*35.06*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	209.37	15.01
		For Installation With Adhesive, Deduct	*-16.47*	
		For Polished Finish, Add	*44.80*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	257.68	17.34
		For Installation With Adhesive, Deduct	*-19.82*	
		For Polished Finish, Add	*56.49*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	309.46	20.01
		For Installation With Adhesive, Deduct	*-23.48*	
		For Polished Finish, Add	*68.83*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	370.93	24.01
		For Installation With Adhesive, Deduct	*-28.15*	
		For Polished Finish, Add	*82.46*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	431.02	26.68
		For Installation With Adhesive, Deduct	*-32.22*	
		For Polished Finish, Add	*97.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	504.49	30.01
		For Installation With Adhesive, Deduct	*-37.23*	
		For Polished Finish, Add	*115.33*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	566.83	31.68
		For Installation With Adhesive, Deduct	*-41.02*	
		For Polished Finish, Add	*132.03*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	649.23	33.35
		For Installation With Adhesive, Deduct	*-45.80*	
		For Polished Finish, Add	*154.75*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	892.90	40.03
		For Installation With Adhesive, Deduct	*-60.66*	
		For Polished Finish, Add	*219.84*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	93.75	8.34
		For Installation With Adhesive, Deduct	*-8.02*	
		For Polished Finish, Add	*18.12*	
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	126.27	9.67
		For Installation With Adhesive, Deduct	*-10.18*	
		For Polished Finish, Add	*26.27*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	162.51	11.67
		For Installation With Adhesive, Deduct	*-12.79*	
		For Polished Finish, Add	*34.75*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	212.83	13.34
		For Installation With Adhesive, Deduct	*-15.98*	
		For Polished Finish, Add	*47.84*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	263.78	15.01
		For Installation With Adhesive, Deduct	*-19.19*	
		For Polished Finish, Add	*61.13*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	326.28	17.34
		For Installation With Adhesive, Deduct	*-23.25*	
		For Polished Finish, Add	*77.07*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	393.05	20.01
		For Installation With Adhesive, Deduct	*-27.66*	
		For Polished Finish, Add	*93.90*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	471.08	24.01
		For Installation With Adhesive, Deduct	*-33.16*	
		For Polished Finish, Add	*112.51*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	560.22	26.68
		For Installation With Adhesive, Deduct	*-38.68*	
		For Polished Finish, Add	*136.05*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	657.65	30.01
		For Installation With Adhesive, Deduct	*-44.89*	
		For Polished Finish, Add	*161.27*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	736.37	31.68
		For Installation With Adhesive, Deduct	*-49.49*	
		For Polished Finish, Add	*182.89*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	847.95	33.35
		For Installation With Adhesive, Deduct	*-55.74*	
		For Polished Finish, Add	*214.36*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	1,175.20	40.03
		For Installation With Adhesive, Deduct	*-74.77*	
		For Polished Finish, Add	*304.53*	

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	41.10	11.55
		For >25 To 50, Deduct	*-1.80*	
		For >50 To 100, Deduct	*-4.50*	
		For >100, Deduct	*-5.40*	
		For Clear Glass Mount, Add	*14.40*	
		For Glow-In-Dark, Add	*36.00*	
		For Reflective Finish, Add	*40.50*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	53.96	11.55
		For >25 To 50, Deduct	*-3.09*	
		For >50 To 100, Deduct	*-7.72*	
		For >100, Deduct	*-9.26*	
		For Clear Glass Mount, Add	*24.69*	
		For Glow-In-Dark, Add	*61.72*	
		For Reflective Finish, Add	*69.44*	

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MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0006	EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	74.52	11.55
	For >25 To 50, Deduct	*-5.14*	
	For >50 To 100, Deduct	*-12.86*	
	For >100, Deduct	*-15.43*	
	For Clear Glass Mount, Add	*41.14*	
	For Glow-In-Dark, Add	*102.84*	
	For Reflective Finish, Add	*115.70*	
10 14 23 11-0007	EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	100.24	11.55
	For >25 To 50, Deduct	*-7.71*	
	For >50 To 100, Deduct	*-19.29*	
	For >100, Deduct	*-23.14*	
	For Clear Glass Mount, Add	*61.71*	
	For Glow-In-Dark, Add	*154.28*	
	For Reflective Finish, Add	*173.57*	
10 14 23 11-0008	EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	146.52	11.55
	For >25 To 50, Deduct	*-12.34*	
	For >50 To 100, Deduct	*-30.86*	
	For >100, Deduct	*-37.03*	
	For Clear Glass Mount, Add	*98.74*	
	For Glow-In-Dark, Add	*246.84*	
	For Reflective Finish, Add	*277.70*	
10 14 23 11-0009	EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	228.80	11.55
	For >25 To 50, Deduct	*-20.57*	
	For >50 To 100, Deduct	*-51.43*	
	For >100, Deduct	*-61.71*	
	For Clear Glass Mount, Add	*164.56*	
	For Glow-In-Dark, Add	*411.40*	
	For Reflective Finish, Add	*462.83*	
10 14 23 11-0010	EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	331.65	11.55
	For >25 To 50, Deduct	*-30.86*	
	For >50 To 100, Deduct	*-77.14*	
	For >100, Deduct	*-92.57*	
	For Clear Glass Mount, Add	*246.84*	
	For Glow-In-Dark, Add	*617.10*	
	For Reflective Finish, Add	*694.24*	
10 14 23 11-0011	SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.36	0.01
	For Clear Glass Mount, Add	*0.27*	
	For Glow-In-Dark, Add	*0.68*	
	For Reflective Finish, Add	*0.77*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	46.24	11.55
	For >25 To 50, Deduct	*-2.31*	
	For >50 To 100, Deduct	*-5.79*	
	For >100, Deduct	*-6.94*	
	For Glow-In-Dark, Add	*46.28*	
	For Reflective Finish, Add	*49.75*	
10 14 23 11-0014	EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	59.10	11.55
	For >25 To 50, Deduct	*-3.60*	
	For >50 To 100, Deduct	*-9.00*	
	For >100, Deduct	*-10.80*	
	For Glow-In-Dark, Add	*72.00*	
	For Reflective Finish, Add	*77.40*	
10 14 23 11-0015	EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	84.81	11.55
	For >25 To 50, Deduct	*-6.17*	
	For >50 To 100, Deduct	*-15.43*	
	For >100, Deduct	*-18.51*	
	For Glow-In-Dark, Add	*123.42*	
	For Reflective Finish, Add	*132.68*	
10 14 23 11-0016	EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	110.52	11.55
	For >25 To 50, Deduct	*-8.74*	
	For >50 To 100, Deduct	*-21.86*	
	For >100, Deduct	*-26.23*	
	For Glow-In-Dark, Add	*174.84*	
	For Reflective Finish, Add	*187.95*	
10 14 23 11-0017	EA >250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	149.09	11.55
	For >25 To 50, Deduct	*-12.60*	
	For >50 To 100, Deduct	*-31.50*	
	For >100, Deduct	*-37.80*	
	For Glow-In-Dark, Add	*251.98*	
	For Reflective Finish, Add	*270.88*	
10 14 23 11-0018	EA >500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	187.66	11.55
	For >25 To 50, Deduct	*-16.46*	
	For >50 To 100, Deduct	*-41.14*	
	For >100, Deduct	*-49.37*	
	For Glow-In-Dark, Add	*329.12*	
	For Reflective Finish, Add	*353.80*	
10 14 23 11-0019	EA >750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	228.80	11.55
	For >25 To 50, Deduct	*-20.57*	
	For >50 To 100, Deduct	*-51.43*	
	For >100, Deduct	*-61.71*	
	For Glow-In-Dark, Add	*411.40*	
	For Reflective Finish, Add	*442.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.25	0.01
		For Glow-In-Dark, Add	*0.46*	
		For Reflective Finish, Add	*0.49*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	84.81	11.55
		For >25 To 50, Deduct	*-6.17*	
		For >50 To 100, Deduct	*-15.43*	
		For >100, Deduct	*-18.51*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	100.24	11.55
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-19.29*	
		For >100, Deduct	*-23.14*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	125.95	11.55
		For >25 To 50, Deduct	*-10.29*	
		For >50 To 100, Deduct	*-25.71*	
		For >100, Deduct	*-30.86*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	150.12	11.55
		For >25 To 50, Deduct	*-12.70*	
		For >50 To 100, Deduct	*-31.76*	
		For >100, Deduct	*-38.11*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	1.67	0.12
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	58.87	11.55
		For >25 To 50, Deduct	*-3.58*	
		For >50 To 100, Deduct	*-8.94*	
		For >100, Deduct	*-10.73*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	70.16	11.55
		For >25 To 50, Deduct	*-4.71*	
		For >50 To 100, Deduct	*-11.77*	
		For >100, Deduct	*-14.12*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	85.22	11.55
		For >25 To 50, Deduct	*-6.21*	
		For >50 To 100, Deduct	*-15.53*	
		For >100, Deduct	*-18.64*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	115.34	11.55
		For >25 To 50, Deduct	*-9.22*	
		For >50 To 100, Deduct	*-23.06*	
		For >100, Deduct	*-27.67*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	1.15	0.12
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	30.63	11.55
		For >25 To 50, Deduct	*-0.75*	
		For >50 To 100, Deduct	*-1.88*	
		For >100, Deduct	*-2.26*	
		For Glow-In-Dark, Add	*4.52*	
		For Reflective Finish, Add	*5.65*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	36.28	11.55
		For >25 To 50, Deduct	*-1.32*	
		For >50 To 100, Deduct	*-3.30*	
		For >100, Deduct	*-3.95*	
		For Glow-In-Dark, Add	*7.91*	
		For Reflective Finish, Add	*9.89*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	47.57	11.55
		For >25 To 50, Deduct	*-2.45*	
		For >50 To 100, Deduct	*-6.12*	
		For >100, Deduct	*-7.34*	
		For Glow-In-Dark, Add	*14.68*	
		For Reflective Finish, Add	*18.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	60.75	11.55
		For >25 To 50, Deduct	*-3.77*	
		For >50 To 100, Deduct	*-9.41*	
		For >100, Deduct	*-11.30*	
		For Glow-In-Dark, Add	*22.59*	
		For Reflective Finish, Add	*28.24*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	100.28	11.55
		For >25 To 50, Deduct	*-7.72*	
		For >50 To 100, Deduct	*-19.30*	
		For >100, Deduct	*-23.15*	
		For Glow-In-Dark, Add	*46.31*	
		For Reflective Finish, Add	*57.89*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	117.22	11.55
		For >25 To 50, Deduct	*-9.41*	
		For >50 To 100, Deduct	*-23.53*	
		For >100, Deduct	*-28.24*	
		For Glow-In-Dark, Add	*56.47*	
		For Reflective Finish, Add	*70.59*	
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	139.82	11.55
		For >25 To 50, Deduct	*-11.67*	
		For >50 To 100, Deduct	*-29.18*	
		For >100, Deduct	*-35.02*	
		For Glow-In-Dark, Add	*70.03*	
		For Reflective Finish, Add	*87.54*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.15	0.01
		For Glow-In-Dark, Add	*0.08*	
		For Reflective Finish, Add	*0.10*	

10 14 23 11-0042 California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*

10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	92.28	11.55
		For >25 To 50, Deduct	*-6.92*	
		For >50 To 100, Deduct	*-10.38*	
		For >100, Deduct	*-11.76*	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	92.28	11.55
		For >25 To 50, Deduct	*-6.92*	
		For >50 To 100, Deduct	*-10.38*	
		For >100, Deduct	*-11.76*	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.	119.95	11.55
		For >25 To 50, Deduct	*-9.69*	
		For >50 To 100, Deduct	*-14.53*	
		For >100, Deduct	*-16.46*	

10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	179.25	11.55
		For >25 To 50, Deduct	*-15.62*	
		For >50 To 100, Deduct	*-23.42*	
		For >100, Deduct	*-26.55*	

10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*

10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	42.68	16.16
		For >25 To 50, Deduct	*-1.04*	
		For >50 To 100, Deduct	*-2.59*	
		For >100, Deduct	*-3.11*	
		For Glow-In-Dark, Add	*6.21*	
		For Reflective Finish, Add	*7.76*	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	51.15	16.16
		For >25 To 50, Deduct	*-1.88*	
		For >50 To 100, Deduct	*-4.71*	
		For >100, Deduct	*-5.65*	
		For Glow-In-Dark, Add	*11.29*	
		For Reflective Finish, Add	*14.12*	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	62.45	16.16
		For >25 To 50, Deduct	*-3.01*	
		For >50 To 100, Deduct	*-7.53*	
		For >100, Deduct	*-9.04*	
		For Glow-In-Dark, Add	*18.07*	
		For Reflective Finish, Add	*22.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	79.39	16.16
		For >25 To 50, Deduct	*-4.71*	
		For >50 To 100, Deduct	*-11.77*	
		For >100, Deduct	*-14.12*	
		For Glow-In-Dark, Add	*28.24*	
		For Reflective Finish, Add	*35.30*	

10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*

10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	43.63	16.16
		For >25 To 50, Deduct	*-1.13*	
		For >50 To 100, Deduct	*-2.83*	
		For >100, Deduct	*-3.39*	
		For Glow-In-Dark, Add	*6.78*	
		For Reflective Finish, Add	*8.48*	
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	53.04	16.16
		For >25 To 50, Deduct	*-2.07*	
		For >50 To 100, Deduct	*-5.18*	
		For >100, Deduct	*-6.21*	
		For Glow-In-Dark, Add	*12.43*	
		For Reflective Finish, Add	*15.53*	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	73.75	16.16
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-10.36*	
		For >100, Deduct	*-12.43*	
		For Glow-In-Dark, Add	*24.85*	
		For Reflective Finish, Add	*31.07*	
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	81.27	16.16
		For >25 To 50, Deduct	*-4.89*	
		For >50 To 100, Deduct	*-12.24*	
		For >100, Deduct	*-14.68*	
		For Glow-In-Dark, Add	*29.36*	
		For Reflective Finish, Add	*36.71*	

10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*

10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	46.45	16.16
		For >25 To 50, Deduct	*-1.41*	
		For >50 To 100, Deduct	*-3.53*	
		For >100, Deduct	*-4.24*	
		For Glow-In-Dark, Add	*8.47*	
		For Reflective Finish, Add	*10.59*	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	60.57	16.16
		For >25 To 50, Deduct	*-2.82*	
		For >50 To 100, Deduct	*-7.06*	
		For >100, Deduct	*-8.47*	
		For Glow-In-Dark, Add	*16.94*	
		For Reflective Finish, Add	*21.18*	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	66.21	16.16
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-8.47*	
		For >100, Deduct	*-10.16*	
		For Glow-In-Dark, Add	*20.33*	
		For Reflective Finish, Add	*25.41*	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	73.75	16.16
		For >25 To 50, Deduct	*-4.14*	
		For >50 To 100, Deduct	*-10.36*	
		For >100, Deduct	*-12.43*	
		For Glow-In-Dark, Add	*24.85*	
		For Reflective Finish, Add	*31.07*	

10 14 23 11-0067 Adhesive Backed Vinyl Characters *(10 14 23 11)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.17	0.92
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.55*	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.29	1.06
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.58*	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.41	1.20
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.61*	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.52	1.38
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.77*	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.69	1.62
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.81*	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.67	1.85
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.19*	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.17	2.08
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	9.66	2.31
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.81*	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	11.70	2.54
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.32*	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	15.02	2.77
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*3.03*	

10 14 23 11-0078 Standoffs For Wall Signage *(10 14 23 11)*

Note: Excludes signage

10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	18.00	6.67
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	18.60	6.67
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	18.75	6.67
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	19.72	6.67
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	20.32	6.67
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	21.52	6.67
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	21.29	8.00
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	22.95	8.00
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	24.30	8.00
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	25.63	8.00
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	27.58	8.00
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	29.99	8.00
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	20.17	6.67
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	20.62	6.67
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	22.65	8.00
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	23.10	8.00
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	25.03	8.00
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	25.33	8.00

10 14 23 11-0097 Removal And Reinstallation Of Building Signage *(10 14 23 11)*

Note: Includes storage and cleaning.

10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	233.55
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	268.26
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	301.62
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	69.28

10 14 23 11-0102 Building Sign *(10 14 23 11)*

Note: Includes 4" numbers painted on sign. Installed on building.

10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	186.79	27.71
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	50.35	9.34
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	38.32	8.67
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	36.60	7.34
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	42.42	8.01
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	46.57	8.67
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	55.22	9.34

10 14 29 Wall or Ground Mounted Signage *(10 14)*

Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.

10 14 29 00-0001 Illuminated Signage *(10 14 29)*

10 14 29 00-0002 Removal Of Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	358.90
10 14 29 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	430.69
10 14 29 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	574.19
10 14 29 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	861.36
10 14 29 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,148.40

10 14 29 00-0008 Fabricate And Install New Sign Cabinets *(10 14 29 00-0001)*

10 14 29 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	336.23	
		For >5 To 11 Per Each Sign, Deduct	*-16.81*	
		For >11 To 20 Per Each Sign, Deduct	*-25.22*	
		For >20 Per Each Sign, Deduct	*-33.62*	
10 14 29 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	280.11	
		For >5 To 11 Per Each Sign, Deduct	*-14.01*	
		For >11 To 20 Per Each Sign, Deduct	*-21.01*	
		For >20 Per Each Sign, Deduct	*-28.01*	
10 14 29 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	228.69	
		For >5 To 11 Per Each Sign, Deduct	*-11.43*	
		For >11 To 20 Per Each Sign, Deduct	*-17.15*	
		For >20 Per Each Sign, Deduct	*-22.87*	
10 14 29 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	205.68	
		For >5 To 11 Per Each Sign, Deduct	*-10.28*	
		For >11 To 20 Per Each Sign, Deduct	*-15.43*	
		For >20 Per Each Sign, Deduct	*-20.57*	
10 14 29 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Wall/Ground Mounted	188.78	
		For >5 To 11 Per Each Sign, Deduct	*-9.44*	
		For >11 To 20 Per Each Sign, Deduct	*-14.16*	
		For >20 Per Each Sign, Deduct	*-18.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 29 00-0014		Fabricate And Install New Sign Face, Material And Legend *(10 14 29 00-0001)*		
10 14 29 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	91.33	
		For >5 To 11 Per Each Sign, Deduct	*-4.57*	
		For >11 To 20 Per Each Sign, Deduct	*-6.85*	
		For >20 Per Each Sign, Deduct	*-9.13*	
10 14 29 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	74.43	
		For >5 To 11 Per Each Sign, Deduct	*-3.72*	
		For >11 To 20 Per Each Sign, Deduct	*-5.58*	
		For >20 Per Each Sign, Deduct	*-7.44*	
10 14 29 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	56.82	
		For >5 To 11 Per Each Sign, Deduct	*-2.84*	
		For >11 To 20 Per Each Sign, Deduct	*-4.26*	
		For >20 Per Each Sign, Deduct	*-5.68*	
10 14 29 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	45.32	
		For >5 To 11 Per Each Sign, Deduct	*-2.27*	
		For >11 To 20 Per Each Sign, Deduct	*-3.40*	
		For >20 Per Each Sign, Deduct	*-4.53*	
10 14 29 00-0019	SF	=>30 SF, Illuminated Sign Face, Wall/Ground Mounted, Material And Legend	36.26	
		For >5 To 11 Per Each Sign, Deduct	*-1.81*	
		For >11 To 20 Per Each Sign, Deduct	*-2.72*	
		For >20 Per Each Sign, Deduct	*-3.63*	
10 14 29 00-0020		Posts *(10 14 29)*		
		Note: Includes mounting bolts and installation for sign blades to posts.		
10 14 29 00-0021	LF	2" Square Galvanized Steel Post	25.34	
		For Powder Coating, Add	*1.09*	
10 14 29 00-0022	LF	2-3/8" Diameter Galvanized Steel Post	24.53	
		For Powder Coating, Add	*1.03*	
10 14 29 00-0023	LF	2" Diameter Recycled Plastic Lumber Post	11.92	
10 14 29 00-0024	EA	Mounting On Ground With Base	69.12	
		Note: Includes bolts and drilling for bolts.		
10 14 29 00-0025	EA	Mid Post Mounted Rotating Sign With Graphics	310.17	
		For >5 To 11, Deduct	*-15.51*	
		For >11 To 20, Deduct	*-23.26*	
		For >20, Deduct	*-31.02*	
10 14 31		**Overhead and Ceiling Hung Signage** *(10 14)*		
		Note: Includes fabrication, delivery, installation, bolts with fasteners and drilling.		
10 14 31 00-0001		Illuminated Signage *(10 14 31)*		
10 14 31 00-0002		Removal Of Sign Cabinets *(10 14 31 00-0001)*		
10 14 31 00-0003	EA	Removal Of Sign Cabinet, 1 To 4.9 SF	394.79	
10 14 31 00-0004	EA	Removal Of Sign Cabinet, 5 To 9.9 SF	473.75	
10 14 31 00-0005	EA	Removal Of Sign Cabinet, 10 To 19.9 SF	631.66	
10 14 31 00-0006	EA	Removal Of Sign Cabinet, 20 To 29.9 SF	947.50	
10 14 31 00-0007	EA	Removal Of Sign Cabinet, >30 SF	1,263.11	
10 14 31 00-0008		Fabricate And Install New Sign Cabinets *(10 14 31 00-0001)*		
10 14 31 00-0009	SF	1 To 4.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	371.90	
		For >5 To 11 Per Each Sign, Deduct	*-18.60*	
		For >11 To 20 Per Each Sign, Deduct	*-27.89*	
		For >20 Per Each Sign, Deduct	*-37.19*	
10 14 31 00-0010	SF	5 To 9.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	309.74	
		For >5 To 11 Per Each Sign, Deduct	*-15.49*	
		For >11 To 20 Per Each Sign, Deduct	*-23.23*	
		For >20 Per Each Sign, Deduct	*-30.97*	
10 14 31 00-0011	SF	10 To 19.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	252.89	
		For >5 To 11 Per Each Sign, Deduct	*-12.64*	
		For >11 To 20 Per Each Sign, Deduct	*-18.97*	
		For >20 Per Each Sign, Deduct	*-25.29*	
10 14 31 00-0012	SF	20 To 29.9 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	227.44	
		For >5 To 11 Per Each Sign, Deduct	*-11.37*	
		For >11 To 20 Per Each Sign, Deduct	*-17.06*	
		For >20 Per Each Sign, Deduct	*-22.74*	
10 14 31 00-0013	SF	=>30 SF, Illuminated Sign Cabinet, Overhead/Ceiling Hung	208.73	
		For >5 To 11 Per Each Sign, Deduct	*-10.44*	
		For >11 To 20 Per Each Sign, Deduct	*-15.65*	
		For >20 Per Each Sign, Deduct	*-20.87*	
10 14 31 00-0014		Fabricate And Install New Sign Face, Material And Legend *(10 14 31 00-0001)*		
10 14 31 00-0015	SF	1 To 4.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	37.59	
		For >5 To 11 Per Each Sign, Deduct	*-1.88*	
		For >11 To 20 Per Each Sign, Deduct	*-2.82*	
		For >20 Per Each Sign, Deduct	*-3.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 31 00-0016	SF	5 To 9.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	30.08	
		For >5 To 11 Per Each Sign, Deduct	*-1.50*	
		For >11 To 20 Per Each Sign, Deduct	*-2.26*	
		For >20 Per Each Sign, Deduct	*-3.01*	
10 14 31 00-0017	SF	10 To 19.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	25.06	
		For >5 To 11 Per Each Sign, Deduct	*-1.25*	
		For >11 To 20 Per Each Sign, Deduct	*-1.88*	
		For >20 Per Each Sign, Deduct	*-2.51*	
10 14 31 00-0018	SF	20 To 29.9 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	21.21	
		For >5 To 11 Per Each Sign, Deduct	*-1.06*	
		For >11 To 20 Per Each Sign, Deduct	*-1.59*	
		For >20 Per Each Sign, Deduct	*-2.12*	
10 14 31 00-0019	SF	=>30 SF, Illuminated Sign Face, Overhead/Ceiling Hung, Material And Legend	18.70	
		For >5 To 11 Per Each Sign, Deduct	*-0.94*	
		For >11 To 20 Per Each Sign, Deduct	*-1.40*	
		For >20 Per Each Sign, Deduct	*-1.87*	

10 14 43 Photoluminescent Signage *(10 14)*

10 14 43 00-0001 Photoluminescent Illuminated Signage *(10 14 43)*

10 14 43 00-0002	EA	4-1/2" x 8" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	62.24	11.55
		For >25 To 50, Deduct	*-3.91*	
		For >50 To 100, Deduct	*-9.79*	
		For >100, Deduct	*-11.74*	
10 14 43 00-0003	EA	4-1/2" x 13" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	68.61	11.55
		For >25 To 50, Deduct	*-4.55*	
		For >50 To 100, Deduct	*-11.38*	
		For >100, Deduct	*-13.65*	
10 14 43 00-0004	EA	8" x 10" Photoluminescent Directional Sign, Adhesive Backed Vinyl, Surface Mount	77.35	11.55
		For >25 To 50, Deduct	*-5.43*	
		For >50 To 100, Deduct	*-13.56*	
		For >100, Deduct	*-16.28*	

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	83.91	20.79
		For Hi-Intensity Grade, Add	*12.70*	
		For Diamond Grade, Add	*24.13*	
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	99.25	21.98
		For Hi-Intensity Grade, Add	*16.61*	
		For Diamond Grade, Add	*31.56*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	108.08	23.10
		For Hi-Intensity Grade, Add	*25.37*	
		For Diamond Grade, Add	*40.22*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	127.76	24.29
		For Hi-Intensity Grade, Add	*9.51*	
		For Diamond Grade, Add	*51.51*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	177.82	25.41
		For Hi-Intensity Grade, Add	*27.94*	
		For Diamond Grade, Add	*87.64*	

10 14 53 11-0009 Steel Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0010	EA	18" x 18" Reflective Steel Stop Sign, Engineering Grade	131.36	20.79
10 14 53 11-0011	EA	18" x 24" Reflective Steel Stop Sign, Engineering Grade	166.20	21.98
10 14 53 11-0012	EA	24" x 24" Reflective Steel Stop Sign, Engineering Grade	176.45	23.10
10 14 53 11-0013	EA	30" x 30" Reflective Steel Stop Sign, Engineering Grade	255.72	24.29
10 14 53 11-0014	EA	36" x 36" Reflective Steel Stop Sign, Engineering Grade	327.12	25.41

10 14 53 11-0015 Polyethylene Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0016	EA	18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade	134.69	20.79
10 14 53 11-0017	EA	18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	174.72	21.98
10 14 53 11-0018	EA	24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade	193.23	23.10
10 14 53 11-0019	EA	30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade	256.49	24.29

10 14 53 11-0020 Other Reflectorized Traffic Signs *(10 14 53 11-0002)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 11-0021 Aluminum Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0022	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	47.45	18.47
		For Hi-Intensity Grade, Add	*3.15*	
		For Diamond Grade, Add	*5.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0023	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	52.69	18.47
		For Hi-Intensity Grade, Add	*4.72*	
		For Diamond Grade, Add	*8.97*	
10 14 53 11-0024	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	52.69	18.47
		For Hi-Intensity Grade, Add	*4.72*	
		For Diamond Grade, Add	*8.97*	
10 14 53 11-0025	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	56.62	18.47
		For Hi-Intensity Grade, Add	*5.90*	
		For Diamond Grade, Add	*11.21*	
10 14 53 11-0026	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	60.56	18.47
		For Hi-Intensity Grade, Add	*7.08*	
		For Diamond Grade, Add	*13.45*	
10 14 53 11-0027	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	70.72	19.63
		For Hi-Intensity Grade, Add	*9.44*	
		For Diamond Grade, Add	*17.93*	
10 14 53 11-0028	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	102.19	19.63
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0029	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	57.94	18.47
		For Hi-Intensity Grade, Add	*6.29*	
		For Diamond Grade, Add	*11.96*	
10 14 53 11-0030	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	70.72	19.63
		For Hi-Intensity Grade, Add	*9.44*	
		For Diamond Grade, Add	*17.93*	
10 14 53 11-0031	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	81.21	19.63
		For Hi-Intensity Grade, Add	*12.59*	
		For Diamond Grade, Add	*23.91*	
10 14 53 11-0032	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	91.70	19.63
		For Hi-Intensity Grade, Add	*15.73*	
		For Diamond Grade, Add	*29.89*	
10 14 53 11-0033	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	102.19	19.63
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0034	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	86.46	19.63
		For Hi-Intensity Grade, Add	*14.16*	
		For Diamond Grade, Add	*26.90*	
10 14 53 11-0035	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	102.19	19.63
		For Hi-Intensity Grade, Add	*18.88*	
		For Diamond Grade, Add	*35.87*	
10 14 53 11-0036	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	120.23	20.79
		For Hi-Intensity Grade, Add	*23.60*	
		For Diamond Grade, Add	*44.84*	
10 14 53 11-0037	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	135.96	20.79
		For Hi-Intensity Grade, Add	*28.32*	
		For Diamond Grade, Add	*53.80*	
10 14 53 11-0038	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	176.67	25.41
		For Hi-Intensity Grade, Add	*37.76*	
		For Diamond Grade, Add	*71.74*	
10 14 53 11-0039	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	192.40	25.41
		For Hi-Intensity Grade, Add	*42.48*	
		For Diamond Grade, Add	*80.71*	
10 14 53 11-0040	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	125.47	20.79
		For Hi-Intensity Grade, Add	*25.17*	
		For Diamond Grade, Add	*47.82*	
10 14 53 11-0041	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	146.45	20.79
		For Hi-Intensity Grade, Add	*31.46*	
		For Diamond Grade, Add	*59.78*	
10 14 53 11-0042	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	167.43	20.79
		For Hi-Intensity Grade, Add	*37.76*	
		For Diamond Grade, Add	*71.74*	
10 14 53 11-0043	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	197.64	25.41
		For Hi-Intensity Grade, Add	*44.05*	
		For Diamond Grade, Add	*83.69*	
10 14 53 11-0044	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	218.62	25.41
		For Hi-Intensity Grade, Add	*50.34*	
		For Diamond Grade, Add	*95.65*	
10 14 53 11-0045	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	239.59	25.41
		For Hi-Intensity Grade, Add	*56.63*	
		For Diamond Grade, Add	*107.60*	
10 14 53 11-0046	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	260.57	25.41
		For Hi-Intensity Grade, Add	*62.93*	
		For Diamond Grade, Add	*119.56*	
10 14 53 11-0047	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	172.67	20.79
		For Hi-Intensity Grade, Add	*39.33*	
		For Diamond Grade, Add	*74.73*	
10 14 53 11-0048	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	208.13	25.41
		For Hi-Intensity Grade, Add	*47.20*	
		For Diamond Grade, Add	*89.67*	
10 14 53 11-0049	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	234.35	25.41
		For Hi-Intensity Grade, Add	*55.06*	
		For Diamond Grade, Add	*104.62*	
10 14 53 11-0050	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	269.81	30.02
		For Hi-Intensity Grade, Add	*62.93*	
		For Diamond Grade, Add	*119.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0051	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	331.49	34.65
		For Hi-Intensity Grade, Add	*78.66*	
		For Diamond Grade, Add	*149.45*	
10 14 53 11-0052	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	239.59	25.41
		For Hi-Intensity Grade, Add	*56.63*	
		For Diamond Grade, Add	*107.60*	
10 14 53 11-0053	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	280.30	30.02
		For Hi-Intensity Grade, Add	*66.08*	
		For Diamond Grade, Add	*125.54*	
10 14 53 11-0054	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	321.00	34.65
		For Hi-Intensity Grade, Add	*75.51*	
		For Diamond Grade, Add	*143.47*	
10 14 53 11-0055	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	352.47	34.65
		For Hi-Intensity Grade, Add	*84.95*	
		For Diamond Grade, Add	*161.41*	
10 14 53 11-0056	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	393.17	39.26
		For Hi-Intensity Grade, Add	*94.39*	
		For Diamond Grade, Add	*179.34*	
10 14 53 11-0057	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	470.58	43.88
		For Hi-Intensity Grade, Add	*114.84*	
		For Diamond Grade, Add	*218.20*	
10 14 53 11-0058	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	496.80	43.88
		For Hi-Intensity Grade, Add	*122.71*	
		For Diamond Grade, Add	*233.15*	
10 14 53 11-0059	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	667.98	50.81
		For Hi-Intensity Grade, Add	*169.91*	
		For Diamond Grade, Add	*322.82*	
10 14 53 11-0060	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	326.25	34.65
		For Hi-Intensity Grade, Add	*77.09*	
		For Diamond Grade, Add	*146.47*	
10 14 53 11-0061	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	414.15	39.26
		For Hi-Intensity Grade, Add	*100.69*	
		For Diamond Grade, Add	*191.30*	
10 14 53 11-0062	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	465.34	43.88
		For Hi-Intensity Grade, Add	*113.27*	
		For Diamond Grade, Add	*215.21*	
10 14 53 11-0063	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	507.29	43.88
		For Hi-Intensity Grade, Add	*125.86*	
		For Diamond Grade, Add	*239.13*	
10 14 53 11-0064	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	563.10	50.81
		For Hi-Intensity Grade, Add	*138.44*	
		For Diamond Grade, Add	*263.04*	
10 14 53 11-0065	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	605.05	50.81
		For Hi-Intensity Grade, Add	*151.03*	
		For Diamond Grade, Add	*286.95*	
10 14 53 11-0066	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	698.19	55.43
		For Hi-Intensity Grade, Add	*176.20*	
		For Diamond Grade, Add	*334.78*	
10 14 53 11-0067	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	782.09	55.43
		For Hi-Intensity Grade, Add	*201.37*	
		For Diamond Grade, Add	*382.60*	
10 14 53 11-0068	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	824.04	55.43
		For Hi-Intensity Grade, Add	*213.95*	
		For Diamond Grade, Add	*406.51*	
10 14 53 11-0069	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	870.61	57.74
		For Hi-Intensity Grade, Add	*226.54*	
		For Diamond Grade, Add	*430.42*	
10 14 53 11-0070	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	740.14	55.43
		For Hi-Intensity Grade, Add	*188.78*	
		For Diamond Grade, Add	*358.69*	
10 14 53 11-0071	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,658.08	73.91
		For Hi-Intensity Grade, Add	*453.08*	
		For Diamond Grade, Add	*860.85*	
10 14 53 11-0072	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	1,206.23	57.74
		For Hi-Intensity Grade, Add	*327.23*	
		For Diamond Grade, Add	*621.73*	

10 14 53 11-0073 Polyethylene Engineer Grade Traffic Signs *(10 14 53 11-0020)*

10 14 53 11-0074	EA	6" x 12" Reflective Polyethylene Traffic Sign	92.86	17.37
10 14 53 11-0075	EA	12" x 12" Reflective Polyethylene Traffic Sign	106.42	18.47
10 14 53 11-0076	EA	12" x 18" Reflective Polyethylene Traffic Sign	114.03	19.68
10 14 53 11-0077	EA	18" x 18" Reflective Polyethylene Traffic Sign	139.63	20.79
10 14 53 11-0078	EA	18" x 24" Reflective Polyethylene Traffic Sign	174.72	21.98
10 14 53 11-0079	EA	24" x 24" Reflective Polyethylene Traffic Sign	197.53	21.98

10 14 53 11-0080 Non-Reflectorized Traffic Signs *(10 14 53 11-0001)*

Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.

10 14 53 11-0081 Steel Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*

10 14 53 11-0082	EA	6" x 12" Steel Non-Reflectorized Traffic Sign	45.42	18.47
10 14 53 11-0083	EA	6" x 18" Steel Non-Reflectorized Traffic Sign	49.65	18.47
10 14 53 11-0084	EA	9" x 12" Steel Non-Reflectorized Traffic Sign	49.65	18.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0085	EA	9" x 15" Steel Non-Reflectorized Traffic Sign	52.82	18.47
10 14 53 11-0086	EA	9" x 18" Steel Non-Reflectorized Traffic Sign	55.99	18.47
10 14 53 11-0087	EA	9" x 24" Steel Non-Reflectorized Traffic Sign	64.63	19.63
10 14 53 11-0088	EA	9" x 48" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0089	EA	12" x 12" Steel Non-Reflectorized Traffic Sign	53.88	18.47
10 14 53 11-0090	EA	12" x 18" Steel Non-Reflectorized Traffic Sign	64.63	19.63
10 14 53 11-0091	EA	12" x 24" Steel Non-Reflectorized Traffic Sign	73.09	19.63
10 14 53 11-0092	EA	12" x 30" Steel Non-Reflectorized Traffic Sign	81.55	19.63
10 14 53 11-0093	EA	12" x 36" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0094	EA	18" x 18" Steel Non-Reflectorized Traffic Sign	77.32	19.63
10 14 53 11-0095	EA	18" x 24" Steel Non-Reflectorized Traffic Sign	90.01	19.63
10 14 53 11-0096	EA	18" x 30" Steel Non-Reflectorized Traffic Sign	105.00	20.79
10 14 53 11-0097	EA	18" x 36" Steel Non-Reflectorized Traffic Sign	117.69	20.79
10 14 53 11-0098	EA	18" x 48" Steel Non-Reflectorized Traffic Sign	152.30	25.41
10 14 53 11-0099	EA	18" x 54" Steel Non-Reflectorized Traffic Sign	164.99	25.41
10 14 53 11-0100	EA	24" x 24" Steel Non-Reflectorized Traffic Sign	109.23	20.79
10 14 53 11-0101	EA	24" x 30" Steel Non-Reflectorized Traffic Sign	126.15	20.79
10 14 53 11-0102	EA	24" x 36" Steel Non-Reflectorized Traffic Sign	143.06	20.79
10 14 53 11-0103	EA	24" x 42" Steel Non-Reflectorized Traffic Sign	169.22	25.41
10 14 53 11-0104	EA	24" x 48" Steel Non-Reflectorized Traffic Sign	186.13	25.41
10 14 53 11-0105	EA	24" x 54" Steel Non-Reflectorized Traffic Sign	203.05	25.41
10 14 53 11-0106	EA	24" x 60" Steel Non-Reflectorized Traffic Sign	219.96	25.41
10 14 53 11-0107	EA	30" x 30" Steel Non-Reflectorized Traffic Sign	147.29	20.79
10 14 53 11-0108	EA	30" x 36" Steel Non-Reflectorized Traffic Sign	177.68	25.41
10 14 53 11-0109	EA	30" x 42" Steel Non-Reflectorized Traffic Sign	198.82	25.41
10 14 53 11-0110	EA	30" x 48" Steel Non-Reflectorized Traffic Sign	229.20	30.02
10 14 53 11-0111	EA	30" x 60" Steel Non-Reflectorized Traffic Sign	280.73	34.65
10 14 53 11-0112	EA	36" x 36" Steel Non-Reflectorized Traffic Sign	203.05	25.41
10 14 53 11-0113	EA	36" x 42" Steel Non-Reflectorized Traffic Sign	237.66	30.02
10 14 53 11-0114	EA	36" x 48" Steel Non-Reflectorized Traffic Sign	272.28	34.65
10 14 53 11-0115	EA	36" x 54" Steel Non-Reflectorized Traffic Sign	297.65	34.65
10 14 53 11-0116	EA	36" x 60" Steel Non-Reflectorized Traffic Sign	332.26	39.26
10 14 53 11-0117	EA	36" x 73" Steel Non-Reflectorized Traffic Sign	396.48	43.88
10 14 53 11-0118	EA	36" x 78" Steel Non-Reflectorized Traffic Sign	417.62	43.88
10 14 53 11-0119	EA	36" x 108" Steel Non-Reflectorized Traffic Sign	558.35	50.81
10 14 53 11-0120	EA	42" x 42" Steel Non-Reflectorized Traffic Sign	276.50	34.65
10 14 53 11-0121	EA	48" x 48" Steel Non-Reflectorized Traffic Sign	349.18	39.26
10 14 53 11-0122	EA	48" x 54" Steel Non-Reflectorized Traffic Sign	392.25	43.88
10 14 53 11-0123	EA	48" x 60" Steel Non-Reflectorized Traffic Sign	426.08	43.88
10 14 53 11-0124	EA	48" x 66" Steel Non-Reflectorized Traffic Sign	473.77	50.81
10 14 53 11-0125	EA	48" x 72" Steel Non-Reflectorized Traffic Sign	507.60	50.81
10 14 53 11-0126	EA	48" x 84" Steel Non-Reflectorized Traffic Sign	584.49	55.43
10 14 53 11-0127	EA	48" x 96" Steel Non-Reflectorized Traffic Sign	652.16	55.43
10 14 53 11-0128	EA	48" x 102" Steel Non-Reflectorized Traffic Sign	685.99	55.43
10 14 53 11-0129	EA	48" x 108" Steel Non-Reflectorized Traffic Sign	724.44	57.74
10 14 53 11-0130	EA	60" x 72" Steel Non-Reflectorized Traffic Sign	618.32	55.43
10 14 53 11-0131	EA	72" x 144" Steel Non-Reflectorized Traffic Sign	1,365.72	73.91
10 14 53 11-0132	EA	78" x 96" Steel Non-Reflectorized Traffic Sign	995.08	57.74
10 14 53 11-0133		Aluminum Non-Reflectorized Traffic Signs *(10 14 53 11-0080)*		
10 14 53 11-0134	EA	6" x 12" Aluminum Non-Reflectorized Traffic Sign	45.76	18.47
10 14 53 11-0135	EA	6" x 18" Aluminum Non-Reflectorized Traffic Sign	50.16	18.47
10 14 53 11-0136	EA	9" x 12" Aluminum Non-Reflectorized Traffic Sign	50.16	18.47
10 14 53 11-0137	EA	9" x 15" Aluminum Non-Reflectorized Traffic Sign	53.46	18.47
10 14 53 11-0138	EA	9" x 18" Aluminum Non-Reflectorized Traffic Sign	56.77	18.47
10 14 53 11-0139	EA	9" x 24" Aluminum Non-Reflectorized Traffic Sign	65.67	19.63
10 14 53 11-0140	EA	9" x 48" Aluminum Non-Reflectorized Traffic Sign	92.07	19.63
10 14 53 11-0141	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	54.56	18.47
10 14 53 11-0142	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	65.67	19.63
10 14 53 11-0143	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	74.47	19.63
10 14 53 11-0144	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	83.27	19.63
10 14 53 11-0145	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	92.07	19.63
10 14 53 11-0146	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	78.87	19.63
10 14 53 11-0147	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	92.07	19.63
10 14 53 11-0148	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	107.59	20.79
10 14 53 11-0149	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	120.79	20.79
10 14 53 11-0150	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	156.44	25.41
10 14 53 11-0151	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	169.64	25.41
10 14 53 11-0152	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	111.99	20.79
10 14 53 11-0153	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	129.59	20.79
10 14 53 11-0154	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	147.20	20.79
10 14 53 11-0155	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	174.04	25.41
10 14 53 11-0156	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	191.65	25.41
10 14 53 11-0157	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	209.25	25.41
10 14 53 11-0158	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	226.86	25.41
10 14 53 11-0159	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	151.60	20.79
10 14 53 11-0160	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	182.85	25.41
10 14 53 11-0161	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	204.85	25.41
10 14 53 11-0162	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	236.10	30.02
10 14 53 11-0163	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	289.35	34.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0164	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	209.25	25.41
10 14 53 11-0165	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	244.90	30.02
10 14 53 11-0166	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	280.55	34.65
10 14 53 11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	306.95	34.65
10 14 53 11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	342.60	39.26
10 14 53 11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	409.06	43.88
10 14 53 11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	431.06	43.88
10 14 53 11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	576.96	50.81
10 14 53 11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	284.95	34.65
10 14 53 11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	360.21	39.26
10 14 53 11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	404.66	43.88
10 14 53 11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	439.87	43.88
10 14 53 11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	488.94	50.81
10 14 53 11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	524.15	50.81
10 14 53 11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	603.79	55.43
10 14 53 11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	674.21	55.43
10 14 53 11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	709.42	55.43
10 14 53 11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	749.25	57.74
10 14 53 11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	639.00	55.43
10 14 53 11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,415.36	73.91
10 14 53 11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	1,030.93	57.74
10 14 53 11-0185		**Polyethylene Non-Reflectorized Traffic Signs** *(10 14 53 11-0080)*		
10 14 53 11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	76.44	17.37
10 14 53 11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	83.92	18.47
10 14 53 11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	90.56	19.68
10 14 53 11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	122.85	20.79
10 14 53 11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	131.89	21.98
10 14 53 11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	154.74	23.10
10 14 53 11-0192		**Signs For Overhead Sign Structures** *(10 14 53 11-0001)* Note: Including horizontal Z-bars.		
10 14 53 11-0193	SF	From 30 To 360 SF Signs For Overhead Sign Structures	25.00	
		For Over 10' High, Add	*13.00*	
10 14 53 11-0194	VLF	Vertical Sign Hangers For Overhead Sign Structures, Per Hanger Note: Includes U-bolts, vertical aluminum Z-bars, clip angles and stainless steel hardware.	32.50	
10 14 53 11-0195		**Flashing Beacon** *(10 14 53 11-0001)*		
10 14 53 11-0196	EA	8" Diameter LED Flashing Beacon Note: Excludes sign and post	1,303.70	163.60
10 14 53 11-0197		**Rectangular Rapid Flashing Beacons (RRFB)** *(10 14 53 11-0001)*		
10 14 53 11-0198	EA	2.5"(h) x 17.5"(w) x 2.75"(d), Solar Powered, Single, LED Rectangular Rapid Flashing Beacon (RRFB) Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post	1,630.60	163.60
10 14 53 11-0199	EA	3.5″(h) x 20″(w) x 3″(d) LED Rectangular Rapid Flashing Beacons (RRFB), Solar Powered, Back To Back Note: Includes standard push button, 20 watt solar panel, 12v/22 AH battery, lockable control cabinet. Excludes sign and post	3,507.18	163.60
10 14 53 11-0200		**Aluminum Street Signs** *(10 14 53 11-0001)* Note: Excludes posts.		
10 14 53 11-0201		**Aluminum Engineer Grade Street Signs** *(10 14 53 11-0200)*		
10 14 53 11-0202	EA	6" High, Aluminum Engineer Grade Street Sign	105.21	9.24
		For Hi-Intensity Grade, Add	*26.02*	
		For Diamond Grade, Add	*49.44*	
10 14 53 11-0203	EA	8" High, Aluminum Engineer Grade Street Sign	120.52	9.24
		For Hi-Intensity Grade, Add	*30.62*	
		For Diamond Grade, Add	*58.17*	
10 14 53 11-0204	EA	9" High, Aluminum Engineer Grade Street Sign	131.91	9.24
		For Hi-Intensity Grade, Add	*34.03*	
		For Diamond Grade, Add	*64.66*	
10 14 53 11-0205		**Street Sign Accessories** *(10 14 53 11-0200)*		
10 14 53 11-0206	EA	Single Bracket And Post Cap For Street Sign	30.10	4.62
10 14 53 11-0207	EA	Double Bracket And Post Cap For Street Sign	30.10	4.62
10 14 53 11-0208		**Sign Posts** *(10 14 53 11-0001)* Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill., 32 31 13 13-0019 for concrete fill.		
10 14 53 11-0209		**U-Channel Sign Posts** *(10 14 53 11-0208)* Note: Excludes digging and concrete.		
10 14 53 11-0210		**Baked Enamel U-Channel Sign Posts** *(10 14 53 11-0209)*		
10 14 53 11-0211	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	73.96	18.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0212	EA	6' Baked Enamel U-Channel Sign Post	98.10	23.60
10 14 53 11-0213	EA	7' Baked Enamel U-Channel Sign Post	117.02	28.32
10 14 53 11-0214	EA	8' Baked Enamel U-Channel Sign Post	137.12	33.03
10 14 53 11-0215	EA	10' Baked Enamel U-Channel Sign Post	165.23	40.12
10 14 53 11-0216	EA	12' Baked Enamel U-Channel Sign Post	171.03	40.12
10 14 53 11-0217		Galvanized Steel U-Channel Sign Posts *(10 14 53 11-0209)*		
10 14 53 11-0218	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	81.42	18.88
10 14 53 11-0219	EA	6' Galvanized Steel U-Channel Sign Post	109.95	23.60
10 14 53 11-0220	EA	7' Galvanized Steel U-Channel Sign Post	143.80	28.32
10 14 53 11-0221	EA	8' Galvanized Steel U-Channel Sign Post	166.72	33.03
10 14 53 11-0222	EA	10' Galvanized Steel U-Channel Sign Post	186.79	40.12
10 14 53 11-0223	EA	12' Galvanized Steel U-Channel Sign Post	189.79	40.12
10 14 53 11-0224		Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 11-0209)*		
10 14 53 11-0225	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	72.20	18.88
10 14 53 11-0226	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	94.28	23.60
10 14 53 11-0227	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	112.40	28.32
10 14 53 11-0228	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	131.61	33.03
10 14 53 11-0229	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	155.24	40.12
10 14 53 11-0230	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	165.11	40.12
10 14 53 11-0231		Tubular Sign Posts *(10 14 53 11-0208)* Note: Excludes digging and concrete.		
10 14 53 11-0232		2-3/8" Diameter, Galvanized Steel Tubular Sign Post *(10 14 53 11-0231)*		
10 14 53 11-0233	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	111.17	23.60
10 14 53 11-0234	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	131.64	28.32
10 14 53 11-0235	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	155.87	33.03
10 14 53 11-0236	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	202.99	40.12
10 14 53 11-0237	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	223.32	40.12
10 14 53 11-0238		Square Sign Posts *(10 14 53 11-0208)* Note: Excludes digging and concrete.		
10 14 53 11-0239		Galvanized Steel Square Sign Posts *(10 14 53 11-0238)*		
10 14 53 11-0240	EA	3' To 4' Galvanized Steel Square Sign Post Base	83.08	18.88
10 14 53 11-0241	EA	6' Galvanized Steel Square Sign Post	137.99	23.60
10 14 53 11-0242	EA	7' Galvanized Steel Square Sign Post	161.25	28.32
10 14 53 11-0243	EA	8' Galvanized Steel Square Sign Post	188.08	33.03
10 14 53 11-0244	EA	10' Galvanized Steel Square Sign Post	229.87	40.12
10 14 53 11-0245	EA	12' Galvanized Steel Square Sign Post	244.07	40.12
10 14 53 11-0246		Other Sign Posts And Bases *(10 14 53 11-0001)* Note: For breakaway post systems, base posts are driven in, sign posts bolted to base post using lap splice hardware kit.		
10 14 53 11-0247		2.5 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)*		
10 14 53 11-0248		Base Posts, 2.5 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0247)*		
10 14 53 11-0249	EA	Base Post for 2.5 Lb./LF Breakaway Sign Post	97.18	23.10
10 14 53 11-0250	EA	Lap Splice Hardware For 2.5 Lb./LF Breakaway Sign Post	60.22	18.47
10 14 53 11-0251		Breakaway Sign Posts, 2.5 Lb./LF *(10 14 53 11-0247)*		
10 14 53 11-0252	LF	2.5 Lb./LF Breakaway Sign Post	12.61	2.31
10 14 53 11-0253		4 Lb./FT Breakaway Sign Posts And Base Posts *(10 14 53 11-0246)*		
10 14 53 11-0254		Base Posts, 4 Lb./LF, For Breakaway Sign Posts *(10 14 53 11-0253)*		
10 14 53 11-0255	EA	Base Post For 4 Lb./LF Breakaway Sign Post	101.82	27.71
10 14 53 11-0256	EA	Lap Splice Hardware for 4 Lb./LF Breakaway Sign Post	60.22	18.47
10 14 53 11-0257		Breakaway Sign Posts, 4 Lb./LF *(10 14 53 11-0253)*		
10 14 53 11-0258	LF	4 Lb./LF Breakaway Sign Post	15.49	2.31
10 14 53 11-0259		Driven Sign Posts *(10 14 53 11-0246)*		
10 14 53 11-0260		Driven Posts, 2.5 Lb./LF *(10 14 53 11-0259)*		
10 14 53 11-0261	LF	2.5 Lb./LF Driven Post	13.53	3.23
10 14 53 11-0262		Driven Posts, 4 Lb./LF *(10 14 53 11-0259)*		
10 14 53 11-0263	LF	4 Lb./LF Driven Post	16.87	3.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0264		Omni-Directional Breakaway System For Sign Posts And Light Poles *(10 14 53 11-0246)*		
10 14 53 11-0265		Omni-Directional Breakaway Systems For Signs *(10 14 53 11-0264)* Note: Break-Safe as manufactured by Tramspo Industries. Tasks are organized by post type and size. Includes hinges, anchors, sleeve, all associated parts and drilling.		
10 14 53 11-0266	EA	Omni-Directional Breakaway System For 6" To 8" Wide Flange (Tramspo B525)	1,469.42	
10 14 53 11-0267	EA	Omni-Directional Breakaway System For 10" To 21" Wide Flange (Tramspo B650)	1,565.65	
10 14 53 11-0268	EA	Omni-Directional Breakaway System For Standard I Beam Or W6x9 Flange (Tramspo AI4 And AI6)	1,073.37	
10 14 53 11-0269	EA	Omni-Directional Breakaway System For 3" To 4.5" Outside Diameter Pipe (Tramspo A3 And A4.5)	940.13	
10 14 53 11-0270	EA	Omni-Directional Breakaway System For Square Tube (Tramspo AS3 And AS4)	1,065.97	
10 14 53 11-0271	EA	Omni-Directional Breakaway System For U-Channels (Tramspo AU4 To AU6)	1,014.15	
10 14 53 11-0272	EA	Omni-Directional Breakaway System For U-Channels Embedded (Tramspo AUX4 To AUX6)	1,099.28	
10 14 53 11-0273		Omni-Directional Breakaway Systems For Poles *(10 14 53 11-0264)* Note: Pole-Safe as Manufactured by Tramspo Industries. Tasks are organized by bolt size. Includes four couplings, all associated parts, drilling and can be for new or for retrofitting existing poles.		
10 14 53 11-0274	EA	Omni-Directional Breakaway System For Poles With 5/8" Couplings	495.12	
10 14 53 11-0275	EA	Omni-Directional Breakaway System For Poles With 3/4" Couplings	519.08	
10 14 53 11-0276	EA	Omni-Directional Breakaway System For Poles With 1" Couplings	539.05	
10 14 53 11-0277	EA	Omni-Directional Breakaway System For Poles With 1 1/4" Couplings	818.54	
10 14 53 11-0278	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 10" To Less Than 15"	71.87	
10 14 53 11-0279	EA	Skirt For Omni-Directional Breakaway System For Poles With Bolt Circle Diameter Of 15" To 20"	95.83	
10 14 53 11-0280		Wood Posts *(10 14 53 11-0246)* Note: The quantity is the total length, including the buried portion. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
10 14 53 11-0281	LF	4" x 4" Pressure Treated Wood Sign Post	11.20	
10 14 53 11-0282		Sign Post Accessories *(10 14 53 11-0001)*		
10 14 53 11-0283		Sign Post Brackets *(10 14 53 11-0282)*		
10 14 53 11-0284	EA	2-3/8" Outside Diameter, Single Side Sign Bracket Set Note: Includes 2 single side signpost brackets	61.33	6.93
10 14 53 11-0285	EA	2-3/8" Outside Diameter, Double Side Sign Bracket Set Note: Includes 2 double side signpost brackets	80.14	11.55
10 14 53 11-0286	EA	4" To 12" Diameter, Buckle Bracket Set Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware	73.44	9.24
10 14 53 11-0287		Sign Post Caps *(10 14 53 11-0282)*		
10 14 53 11-0288	EA	2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2)	26.94	4.62
10 14 53 11-0289		Sign Post Replacement Bolts *(10 14 53 11-0282)*		
10 14 53 11-0290	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	17.73	
10 14 53 11-0291		Reflective Panels For "U" Channel Post *(10 14 53 11-0282)*		
10 14 53 11-0292	EA	3" x 72" Reflective Panel For "U-Channel" Post Note: Diamond grade panel including mounting hardware.	83.42	
10 14 53 11-0293		Removal Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations.		
10 14 53 11-0294	EA	>4 To 10 SF Sign Area, Sign Removal	184.77	
10 14 53 11-0295	EA	>10 To 20 SF Sign Area, Sign Removal	443.45	
10 14 53 11-0296	EA	>20 To 40 SF Sign Area, Sign Removal	665.17	
10 14 53 11-0297	EA	>40 To 100 SF Sign Area, Sign Removal	1,105.42	
10 14 53 11-0298		Removal And Reinstallation Of Signs *(10 14 53 11)* Note: Includes structural supports and foundations		
10 14 53 11-0299	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	283.66	
10 14 53 11-0300	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	669.81	
10 14 53 11-0301	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	1,001.71	
10 14 53 11-0302	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,661.79	
10 14 53 11-0303	EA	Removal And Reinstallation Of Street Sign On Post	106.24	
10 14 53 11-0304	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	392.22	
10 14 56		**Bridge Signage** *(10 14)*		
10 14 56 00-0001		Bridge And Truss Mounted Signs *(10 14 56)*		
10 14 56 00-0002		Removal Of Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 56 00-0003	CF	Removal Of Foundation Note: Including Excavation	17.76	
10 14 56 00-0004	LF	Removal Of Truss And Supports	238.93	
10 14 56 00-0005	SF	Removal Of Sign Face	10.92	
10 14 56 00-0006	SF	Removal Of Legend	18.20	
10 14 56 00-0007	EA	Removal Of Changeable Message Panel	210.04	
10 14 56 00-0008	EA	Removal Of Posts And Supports, Per Post	109.22	
10 14 56 00-0009		Fabricate And Install Bridge And Truss Mounted Signs *(10 14 56 00-0001)*		
10 14 56 00-0010	CY	Foundation For Sign Excavation, Backfill, Compaction, Concrete, Rebar, Forms And Finish	637.62	
10 14 56 00-0011	LF	Telescoping Steel Ground Posts	92.32	
10 14 56 00-0012	LF	Overhead Steel Mounting Framework	1,595.59	
10 14 56 00-0013	LB	Ground Mounted Steel Structure	6.20	
10 14 56 00-0014		Fabricate And Install New 12" Extruded Aluminum Channel *(10 14 56 00-0001)* Note: Includes reflective face with reflective legend.		
10 14 56 00-0015	SF	1 To 49.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	129.85	
10 14 56 00-0016	SF	50 To 99.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	115.76	
10 14 56 00-0017	SF	100 To 149.9 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	103.53	
10 14 56 00-0018	SF	>150 SF, 12" Extruded Aluminum Channel Including Reflective Face With Reflective Legend	93.03	
10 14 56 00-0019		Fabricate And Install New Reflective Messages On Sign Face *(10 14 56 00-0001)*		
10 14 56 00-0020		One Color/3 Dimensional Demountable Letters *(10 14 56 00-0019)*		
10 14 56 00-0021	EA	6" Capital Height Letter	30.86	
10 14 56 00-0022	EA	8" Capital Height Letter	36.47	
10 14 56 00-0023	EA	10" Capital Height Letter	42.07	
10 14 56 00-0024	EA	12" Capital Height Letter	47.12	
10 14 56 00-0025	EA	14" Capital Height Letter	50.13	
10 14 56 00-0026		Two Color Legend Shields-Die Cut Vinyl Engineer Grade *(10 14 56 00-0019)*		
10 14 56 00-0027	EA	6" Legend/Shields	31.87	
10 14 56 00-0028	EA	8" Legend/Shields	37.82	
10 14 56 00-0029	EA	10" Legend/Shields	43.75	
10 14 56 00-0030	EA	12" Legend/Shields	49.14	
10 14 56 00-0031	EA	14" Legend/Shields	52.50	
10 14 56 00-0032		Fabricate And Install New Changeable Message Panel *(10 14 56 00-0001)*		
10 14 56 00-0033	SF	One Color Hi-Intensity Die Cut Vinyl Letters on Demountable Panel	36.74	
10 14 63		**Electronic Message Signage** *(10 14)*		
10 14 63 00-0001		Dynamic Signs *(10 14 63)*		
10 14 63 00-0002		Programming/Software And Repair *(10 14 63 00-0001)*		
10 14 63 00-0003	HR	Programming Message, Graphic Visuals, Movement Of Message, And Timing Of Visuals On Screen	162.05	
10 14 63 00-0004	HR	Repair/Replacement Of Electronic Sign And Computer Components	101.28	
10 14 63 00-0005	HR	Repair Flip Disks Or Light Source	101.28	
10 14 63 00-0006		Fabricate And Install New Sign Cabinets *(10 14 63 00-0001)*		
10 14 63 00-0007		Cabinet For Flip Disk Display *(10 14 63 00-0006)*		
10 14 63 00-0008	SF	1 To 99 SF Cabinet	189.05	
10 14 63 00-0009	SF	100 To 200 SF Cabinet	155.48	
10 14 63 00-0010		Fabricate And Install New Sign Face Components *(10 14 63 00-0001)*		
10 14 63 00-0011		Enhanced Flip Disk Display *(10 14 63 00-0010)*		
10 14 63 00-0012	EA	Enhanced Flip Disk	142.55	
10 14 63 00-0013	SF	Lexan Lens For Flip Disk Sign	56.44	
10 14 63 00-0014		Disappearing Copy Sign *(10 14 63 00-0010)*		
10 14 63 00-0015	SF	1 To 49.9 SF, Disappearing Copy Sign	51.83	
10 14 63 00-0016	SF	=>50 SF, Disappearing Copy Sign	37.33	
10 14 63 00-0017		Fabricate And Install Transfer Lights And Signs *(10 14 63 00-0001)*		
10 14 63 00-0018	EA	Passenger Transfer Signage	594.21	

10 20 Interior Specialties *(10)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001 **Enamel Coated Steel Toilet Partitions And Urinal Screens** *(10 21 13 13)*
Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.

10 21 13 13-0002 **Enamel Coated Steel Toilet Partitions** *(10 21 13 13-0001)*
Note: All colors.

10 21 13 13-0003 **Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*

10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,113.40	150.13
		For >10, Deduct	*-81.31*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,342.89	163.48
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,433.33	170.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0007 **Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*
Note: Includes head rail.

10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,164.67	183.51
		For >10, Deduct	*-79.77*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,349.74	196.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,425.87	203.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0011 **Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*
Note: Excludes above ceiling steel.

10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,374.70	216.87
		For >10, Deduct	*-94.10*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,598.18	230.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,677.63	236.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0015 **Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*
Note: Excludes above ceiling steel.

10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	1,336.76	250.23
		For >10, Deduct	*-83.63*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,597.16	263.58
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,685.36	270.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

10 21 13 13-0019 **Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)*
Note: All colors.

10 21 13 13-0020 **Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*

10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	592.36	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	655.93	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	721.41	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0024 **Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*

10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	341.64	80.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	368.51	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	389.57	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0028		**Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	437.96	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0030		**Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	488.26	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	520.90	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	553.56	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0034		**Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	549.87	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	590.25	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	651.89	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0038		**Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 13-0001)*		
		Note: All colors.		
10 21 13 13-0039		**Enamel Coated Steel, Toilet Partition Doors** *(10 21 13 13-0038)*		
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	346.96	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	354.69	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	376.07	28.70
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	410.84	28.70
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	418.56	28.70
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 13-0045		**Enamel Coated Steel, Toilet Partition Panels** *(10 21 13 13-0038)*		
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	253.90	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	279.89	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	305.87	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	331.87	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	357.85	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	383.84	56.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	407.89	60.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	433.87	63.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	452.14	66.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	462.53	68.06
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	476.19	70.06
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	519.57	73.40
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	557.13	76.74
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0059		**70" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	190.69	20.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	210.88	23.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	233.01	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	270.58	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	306.21	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	341.86	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	439.31	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	503.93	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	541.50	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0069 82" Long, Enamel Coated Steel, Toilet Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	153.99	20.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	168.39	23.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	184.73	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	208.78	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	230.89	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	254.95	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	313.77	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	353.28	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	377.34	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	213.70	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	233.89	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	256.00	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	293.58	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	329.22	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	364.87	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	462.32	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	526.94	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	564.51	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,466.48	150.13
		For >10, Deduct	*-216.62*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*758.17*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,973.59	163.48
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*926.32*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,114.25	170.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*970.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0007		**Overhead Braced, Stainless Steel, Complete Toilet Partitions** *(10 21 13 14-0002)* Note: Includes head rail.		
10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,102.78	183.51
		For >10, Deduct	*-173.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*607.52*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,552.79	196.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*755.68*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,778.96	203.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*830.17*	
10 21 13 14-0011		**Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions** *(10 21 13 14-0002)* Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,903.09	216.87
		For >10, Deduct	*-246.94*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*864.27*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,113.06	230.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*928.42*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,257.78	236.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*974.40*	
10 21 13 14-0015		**Ceiling Hung, Stainless Steel, Complete Toilet Partitions** *(10 21 13 14-0002)* Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,914.62	250.23
		For >10, Deduct	*-241.42*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*844.96*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,537.11	263.58
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*1,053.48*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,717.58	270.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For Diamond Pattern Finish, Add	*1,111.98*	
10 21 13 14-0019		**Stainless Steel Urinal Screens** *(10 21 13 14-0001)*		
10 21 13 14-0020		**Floor Anchored, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	825.39	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	932.84	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	953.88	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*259.15*	
10 21 13 14-0024		**Wall Hung, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	613.15	80.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*158.57*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	663.50	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*171.52*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	724.02	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*188.04*	
10 21 13 14-0028		**Wall Hung And Post Supported, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	984.25	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*283.78*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,032.24	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*295.91*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	1,080.02	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*307.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0032		**Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	825.39	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*223.52*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	932.83	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*256.45*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	1,044.71	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*290.94*	
10 21 13 14-0036		**Stainless Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 14-0001)*		
10 21 13 14-0037		**Stainless Steel, Toilet Partition Doors** *(10 21 13 14-0036)*		
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	536.48	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*169.08*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	612.78	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*195.79*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	630.02	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*199.49*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	652.05	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*207.20*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	658.18	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For Diamond Pattern Finish, Add	*209.34*	
10 21 13 14-0043		**Stainless Steel, Toilet Partition Panels** *(10 21 13 14-0036)*		
10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	467.71	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*135.67*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	519.16	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*151.34*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	541.31	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*156.76*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	566.40	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*163.21*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	607.85	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*175.38*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	655.92	56.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*189.87*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	765.84	60.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*226.01*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	837.94	63.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*248.91*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	860.12	66.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*254.33*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	902.38	68.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*268.19*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	958.05	70.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*286.27*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,003.84	73.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*299.96*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	1,100.54	76.74
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*331.47*	
10 21 13 14-0057		**70" Long, Stainless Steel, Toilet Partition Pilasters** *(10 21 13 14-0036)*		
10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	322.44	20.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*98.84*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	351.49	23.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*106.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	382.28	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	435.44	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*131.38*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	488.60	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*147.66*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	541.77	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*163.93*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	686.19	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*212.14*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	785.86	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*244.69*	
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	839.02	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*260.96*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	247.60	20.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*72.65*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	268.48	23.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*77.62*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	290.09	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*82.85*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	375.54	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*110.42*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	423.71	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*124.95*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	439.00	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*127.96*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	497.07	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*145.95*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	560.28	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*165.74*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	594.99	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*175.55*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	354.73	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*105.47*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	388.95	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*115.11*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	421.44	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*124.15*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	483.22	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*143.44*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	543.27	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*162.12*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	603.33	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*180.80*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	773.59	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*238.06*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	887.03	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*275.43*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	948.80	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Diamond Pattern Finish, Add	*294.71*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0001		**Laminated Plastic Toilet Partitions And Urinal Screens** *(10 21 13 16)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high-pressure decorative plastic laminate bonded to a solid industrial-grade particalboard.		
10 21 13 16-0002		**Laminated Plastic Toilet Partitions** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors.		
10 21 13 16-0003		**Floor Anchored, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)*		
10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,395.33	150.13
		For >10, Deduct	*-109.51*	
		For Cast Stainless Steel Hardware, Add	*180.41*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,702.40	163.48
		For Cast Stainless Steel Hardware, Add	*180.43*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,830.89	170.16
		For Cast Stainless Steel Hardware, Add	*180.44*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0007		**Overhead Braced, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* Note: Includes head rail.		
10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,515.52	183.51
		For >10, Deduct	*-114.85*	
		For Cast Stainless Steel Hardware, Add	*180.45*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,835.94	196.85
		For Cast Stainless Steel Hardware, Add	*180.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,974.46	203.52
		For Cast Stainless Steel Hardware, Add	*180.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0011		**Ceiling Hung, Laminated Plastic, Complete Toilet Partitions** *(10 21 13 16-0002)* Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	2,027.50	250.23
		For >10, Deduct	*-152.71*	
		For Cast Stainless Steel Hardware, Add	*180.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,358.21	263.58
		For Cast Stainless Steel Hardware, Add	*180.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,486.70	270.25
		For Cast Stainless Steel Hardware, Add	*180.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 16-0015		**Laminated Plastic Urinal Screens** *(10 21 13 16-0001)* Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		**Floor Anchored, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	595.18	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	648.58	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	669.78	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0020		**Wall Hung, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	464.07	80.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	488.87	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	512.61	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0024		**Wall Hung And Post Supported, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	611.32	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	670.34	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	734.15	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0028		**Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens** *(10 21 13 16-0015)*		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	565.85	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	620.38	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	640.93	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0032		**Laminated Plastic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 16-0001)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	458.22	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	497.56	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	514.96	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	527.12	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	538.56	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 16-0039		**Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*		
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	239.51	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	264.73	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	289.94	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	316.11	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	340.37	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	366.63	56.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	375.48	60.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	385.70	63.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	406.00	66.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	422.56	68.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	441.25	70.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	501.57	73.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	569.75	76.74
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 16-0053		**69" Long, Laminated Plastic, Toilet Partition Pilasters** *(10 21 13 16-0032)*		
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	192.39	20.02
		For 1-1/4" Pilaster, Add	*12.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*152.35*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	221.95	23.35
		For 1-1/4" Pilaster, Add	*14.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*175.24*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	228.63	26.69
		For 1-1/4" Pilaster, Add	*14.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*175.24*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	252.46	30.02
		For 1-1/4" Pilaster, Add	*15.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*192.40*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	264.13	33.36
		For 1-1/4" Pilaster, Add	*16.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*197.41*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	287.26	36.70
		For 1-1/4" Pilaster, Add	*17.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*213.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	364.02	40.04
		For 1-1/4" Pilaster, Add	*23.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*283.95*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	439.37	43.37
		For 1-1/4" Pilaster, Add	*29.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*352.62*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	492.53	46.71
		For 1-1/4" Pilaster, Add	*32.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*399.11*	
10 21 13 16-0063		83" Long, Laminated Plastic, Toilet Partition Pilasters *(10 21 13 16-0032)*		
10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	372.63	20.02
		For 1-1/4" Pilaster, Add	*27.44*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*332.59*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	412.20	23.35
		For 1-1/4" Pilaster, Add	*30.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*365.49*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	418.88	26.69
		For 1-1/4" Pilaster, Add	*30.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*365.49*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	453.45	30.02
		For 1-1/4" Pilaster, Add	*32.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*393.39*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	495.15	33.36
		For 1-1/4" Pilaster, Add	*35.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*428.43*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	529.01	36.70
		For 1-1/4" Pilaster, Add	*37.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*455.61*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	656.93	40.04
		For 1-1/4" Pilaster, Add	*47.59*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*576.86*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	747.64	43.37
		For 1-1/4" Pilaster, Add	*54.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*660.89*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	767.90	46.71
		For 1-1/4" Pilaster, Add	*55.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For Steel Core Pilaster, Add	*674.48*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes head rail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,012.26	183.51
		For >10, Deduct	*-164.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,020.06*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,472.27	196.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,288.71*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,737.11	203.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,444.64*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,016.68	216.87
		For >10, Deduct	*-158.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*981.42*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,516.92	230.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,275.02*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,781.76	236.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,430.95*	
10 21 13 19-0011		**Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,119.29	250.23
		For >10, Deduct	*-161.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,003.67*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,508.77	263.58
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,228.60*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,773.61	270.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,384.53*	
10 21 13 19-0015		**Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0001)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		**Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	475.28	80.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*195.42*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	501.04	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*203.11*	
10 21 13 19-0019		**Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	601.86	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	757.97	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	841.64	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*397.75*	
10 21 13 19-0023		**Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	615.19	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*265.62*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	771.31	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*354.14*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	913.30	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*433.90*	
10 21 13 19-0027		**Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0001)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028		**Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0027)*		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	476.87	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*262.56*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	515.41	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*286.45*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	560.33	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*310.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	638.32	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*358.52*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	656.78	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*369.97*	
10 21 13 19-0034		**Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0027)*		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	173.93	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.19*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	274.48	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*116.39*	
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	374.99	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*174.57*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	437.04	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*208.90*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	527.95	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*261.13*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	564.08	56.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*279.40*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	632.65	60.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*317.77*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	712.53	63.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*363.17*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	777.83	66.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*399.51*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	794.70	68.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*408.32*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	821.41	70.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*422.39*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	927.47	73.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic, High-Density Polyethylene (HDPE), Toilet Partition Panel	999.21	76.74
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*524.36*	
10 21 13 19-0048		**82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	220.85	20.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*112.10*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	245.65	23.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*123.34*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	267.29	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*132.62*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	287.32	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*140.90*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	322.53	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*158.60*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	357.74	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*176.29*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	489.65	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*253.94*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	553.28	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*289.25*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	602.36	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*315.54*	
10 21 13 19-0058		**96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters** *(10 21 13 19-0027)*		
10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	269.95	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*134.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	297.23	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*147.05*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	327.42	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*161.63*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	370.84	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*184.41*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	414.67	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*207.45*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	458.10	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*230.24*	
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	585.90	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*305.34*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	655.27	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*344.21*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	712.40	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*375.49*	

10 21 13 19-0068 Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high-density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes head rail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,588.10	183.51
		For >10, Deduct	*-222.11*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,377.08*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,199.78	196.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,739.77*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Anti-microbial Solid Plastic, High-Density Polyethylene (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,552.65	203.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,950.28*	

10 21 13 19-0074 Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,570.71	216.87
		For >10, Deduct	*-213.70*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,324.92*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,236.68	230.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,721.28*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,589.55	236.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,931.78*	

10 21 13 19-0078 Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	2,685.90	250.23
		For >10, Deduct	*-218.54*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,354.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,202.33	263.58
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,658.61*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,555.19	270.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*1,869.11*	

10 21 13 19-0082 Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0083 Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	585.58	80.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*263.80*	
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	611.65	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*271.69*	

10 21 13 19-0086 Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	944.56	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,073.87	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*550.00*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,144.90	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*585.77*	

10 21 13 19-0090 Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	765.12	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*358.58*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	971.23	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*478.09*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen	1,158.25	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*585.77*	

10 21 13 19-0094 Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0095 Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*

10 21 13 19-0096	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	625.08	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*354.45*	
10 21 13 19-0097	EA	26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	677.13	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*386.72*	
10 21 13 19-0098	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door	735.42	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*418.72*	
10 21 13 19-0099	EA	34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	840.72	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*484.01*	
10 21 13 19-0100	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	865.63	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*499.45*	

10 21 13 19-0101 Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*

10 21 13 19-0102	EA	6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	206.78	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*78.56*	
10 21 13 19-0103	EA	12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	340.18	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*157.13*	
10 21 13 19-0104	EA	18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	473.56	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*235.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0105	EA	24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	554.95	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*282.01*	
10 21 13 19-0106	EA	30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	675.35	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*352.52*	
10 21 13 19-0107	EA	36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	721.80	56.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*377.18*	
10 21 13 19-0108	EA	42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	812.04	60.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*429.00*	
10 21 13 19-0109	EA	48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	917.56	63.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*490.28*	
10 21 13 19-0110	EA	55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,003.37	66.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*539.34*	
10 21 13 19-0111	EA	58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,025.20	68.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*551.23*	
10 21 13 19-0112	EA	60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,059.85	70.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*570.23*	
10 21 13 19-0113	EA	70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,200.72	73.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*653.42*	
10 21 13 19-0114	EA	78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel	1,295.21	76.74
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*707.88*	

10 21 13 19-0115 82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0116	EA	Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	284.13	20.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*151.34*	
10 21 13 19-0117	EA	5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	315.28	23.35
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*166.51*	
10 21 13 19-0118	EA	6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	342.15	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*179.03*	
10 21 13 19-0119	EA	8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	394.76	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*207.51*	
10 21 13 19-0120	EA	10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	443.48	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*233.59*	
10 21 13 19-0121	EA	12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	492.16	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*259.63*	
10 21 13 19-0122	EA	18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	633.00	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*342.82*	
10 21 13 19-0123	EA	22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	716.58	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*390.49*	
10 21 13 19-0124	EA	24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	780.48	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*425.98*	

10 21 13 19-0125 96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	345.75	26.69
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*181.26*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	380.25	30.02
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*198.52*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	418.68	33.36
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*218.22*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	474.96	36.70
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*248.97*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	531.79	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*280.07*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	588.06	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*310.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	758.28	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*412.21*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	849.57	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*464.67*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	924.37	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*506.91*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

10 21 13 19-0136 Solid Phenolic Toilet Partitions *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0137 Floor Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,101.99	150.13
		For >10, Deduct	*-180.17*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*393.37*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,577.86	163.48
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*489.04*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,875.88	170.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*549.48*	

10 21 13 19-0141 Overhead Braced, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Includes head rail.

10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,337.14	183.51
		For >10, Deduct	*-197.01*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*432.08*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,831.82	196.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*531.69*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,144.16	203.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*595.15*	

10 21 13 19-0145 Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Excludes above ceiling steel.

10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,419.27	216.87
		For >10, Deduct	*-198.55*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*438.65*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,910.45	230.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*537.53*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,208.46	236.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*597.97*	

10 21 13 19-0149 Ceiling Hung, Solid Phenolic, Complete Toilet Partitions *(10 21 13 19-0136)*

Note: Excludes above ceiling steel.

10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	2,394.10	250.23
		For >10, Deduct	*-189.36*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*422.69*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,869.63	263.58
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*518.28*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,167.64	270.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
		For NFPA Class A, Add	*578.72*	

10 21 13 19-0153 Solid Phenolic Urinal Screens *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0154		**Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	773.99	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*132.65*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	873.88	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*151.50*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	1,045.30	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*185.36*	
10 21 13 19-0158		**Wall Hung, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	499.13	80.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*79.20*	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	576.84	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*93.39*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	691.11	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*115.25*	
10 21 13 19-0162		**Wall Hung And Post Supported, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	508.06	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*78.94*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	632.91	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*103.03*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	737.98	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*122.96*	
10 21 13 19-0166		**Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	794.51	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*139.10*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	894.98	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*158.06*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	1,069.63	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*192.60*	
10 21 13 19-0170		**Solid Phenolic Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0135)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0171		**Solid Phenolic, Toilet Partition Doors** *(10 21 13 19-0170)*		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	566.94	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*110.52*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	586.25	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*114.57*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	642.47	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*125.31*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	692.83	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*135.88*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	744.55	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
		For NFPA Class A, Add	*146.75*	
10 21 13 19-0177		**Solid Phenolic, Toilet Partition Panels** *(10 21 13 19-0170)*		
10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	187.10	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*26.48*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	247.25	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*38.04*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	334.14	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*55.22*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	421.96	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*72.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	470.00	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*81.62*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	520.42	56.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*91.14*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	605.94	60.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*108.03*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	693.97	63.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*125.45*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	739.99	66.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*134.04*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	760.53	68.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*137.93*	
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	775.27	70.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*140.39*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	890.67	73.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*163.55*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	1,073.28	76.74
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*200.83*	

10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	271.07	20.02
		For 1" Pilaster, Add	*28.88*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*50.52*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	312.07	23.35
		For 1" Pilaster, Add	*33.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.06*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	318.75	26.69
		For 1" Pilaster, Add	*33.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*58.40*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	369.05	30.02
		For 1" Pilaster, Add	*38.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*67.89*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	415.05	33.36
		For 1" Pilaster, Add	*43.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*76.49*	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	461.07	36.70
		For 1" Pilaster, Add	*48.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*85.08*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	588.61	40.04
		For 1" Pilaster, Add	*63.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*110.80*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	721.89	43.37
		For 1" Pilaster, Add	*79.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*137.72*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	758.60	46.71
		For 1" Pilaster, Add	*83.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*144.36*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	296.81	20.02
		For 1" Pilaster, Add	*32.10*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*55.92*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	347.83	23.35
		For 1" Pilaster, Add	*37.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*65.57*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	354.51	26.69
		For 1" Pilaster, Add	*37.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*65.90*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	410.53	30.02
		For 1" Pilaster, Add	*43.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*76.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	463.68	33.36
		For 1" Pilaster, Add	*49.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*86.70*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	517.23	36.70
		For 1" Pilaster, Add	*55.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*96.87*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	672.30	40.04
		For 1" Pilaster, Add	*74.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*128.37*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	800.23	43.37
		For 1" Pilaster, Add	*89.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*154.17*	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	841.94	46.71
		For 1" Pilaster, Add	*93.57*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*161.86*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	335.91	26.69
		For 1" Pilaster, Add	*35.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*62.00*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	396.94	30.02
		For 1" Pilaster, Add	*42.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*73.75*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	403.60	33.36
		For 1" Pilaster, Add	*42.11*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*74.08*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	465.36	36.70
		For 1" Pilaster, Add	*49.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*85.98*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	525.67	40.04
		For 1" Pilaster, Add	*55.70*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*97.58*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	586.71	43.37
		For 1" Pilaster, Add	*62.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*109.33*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	769.33	46.71
		For 1" Pilaster, Add	*84.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*146.61*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	891.88	50.05
		For 1" Pilaster, Add	*98.97*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*171.28*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	938.61	53.39
		For 1" Pilaster, Add	*103.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
		For NFPA Class A, Add	*180.02*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,318.20	150.13
		For >10, Deduct	*-201.79*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,847.97	163.48
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,180.15	170.16
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0227		**Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Includes head rail.		
10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,573.56	183.51
		For >10, Deduct	*-220.66*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,124.39	196.85
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,472.61	203.52
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0231		**Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,657.54	216.87
		For >10, Deduct	*-222.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,204.45	230.22
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,536.62	236.88
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0235		**Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,621.34	250.23
		For >10, Deduct	*-212.09*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,150.73	263.58
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,482.90	270.25
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0239		**Solid Color Reinforced Composite Urinal Screens** *(10 21 13 19-0221)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0240		**Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	844.46	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	954.73	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,145.12	106.73
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0244		**Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	539.81	80.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	625.25	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	751.63	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0248		**Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	548.22	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	686.45	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	802.52	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0252		**Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	869.03	86.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	979.97	93.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	1,173.97	100.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0256 Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.

10 21 13 19-0257 Solid Color Reinforced Composite, Toilet Partition Doors *(10 21 13 19-0256)*

10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	628.57	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	650.19	26.69
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	712.36	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	768.76	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	826.69	30.02
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	

10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels *(10 21 13 19-0256)*

10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	199.94	40.04
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	266.51	43.37
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	363.03	46.71
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	460.59	50.05
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	513.59	53.39
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	569.25	56.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	664.24	60.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	762.04	63.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	812.78	66.72
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	835.46	68.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	851.49	70.06
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	979.93	73.40
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	1,183.66	76.74
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	298.79	20.02
		For 1" Pilaster, Add	*32.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	343.91	23.35
		For 1" Pilaster, Add	*37.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	350.59	26.69
		For 1" Pilaster, Add	*37.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	406.13	30.02
		For 1" Pilaster, Add	*43.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	456.85	33.36
		For 1" Pilaster, Add	*48.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	507.59	36.70
		For 1" Pilaster, Add	*54.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	649.64	40.04
		For 1" Pilaster, Add	*71.20*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	798.11	43.37
		For 1" Pilaster, Add	*88.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	838.42	46.71
		For 1" Pilaster, Add	*93.13*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0287		**83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	327.63	20.02
		For 1" Pilaster, Add	*35.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	383.96	23.35
		For 1" Pilaster, Add	*42.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	390.64	26.69
		For 1" Pilaster, Add	*42.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	452.59	30.02
		For 1" Pilaster, Add	*49.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	511.32	33.36
		For 1" Pilaster, Add	*55.58*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	570.49	36.70
		For 1" Pilaster, Add	*62.14*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	743.36	40.04
		For 1" Pilaster, Add	*82.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	885.84	43.37
		For 1" Pilaster, Add	*99.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	931.77	46.71
		For 1" Pilaster, Add	*104.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0297		**96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters** *(10 21 13 19-0256)*		
10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	369.82	26.69
		For 1" Pilaster, Add	*39.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	437.37	30.02
		For 1" Pilaster, Add	*47.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	444.03	33.36
		For 1" Pilaster, Add	*47.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	512.39	36.70
		For 1" Pilaster, Add	*54.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	579.14	40.04
		For 1" Pilaster, Add	*62.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	646.70	43.37
		For 1" Pilaster, Add	*69.99*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	850.44	46.71
		For 1" Pilaster, Add	*94.63*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	986.90	50.05
		For 1" Pilaster, Add	*110.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	1,038.43	53.39
		For 1" Pilaster, Add	*116.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0307		**Solid Polyester (Corian) Toilet Partitions And Urinal Screens** *(10 21 13 19)*		
		Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0308		**Solid Polyester (Corian) Toilet Partitions** *(10 21 13 19-0307)*		
		Note: Small particulate finish.		
10 21 13 19-0309		**Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions** *(10 21 13 19-0308)*		
10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,167.56	150.13
		For >10, Deduct	*-486.73*	
		For Solid Color Material (No Particulate), Deduct	*-1,119.47*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,240.90	163.48
		For Solid Color Material (No Particulate), Deduct	*-1,360.20*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	6,921.12	170.16
		For Solid Color Material (No Particulate), Deduct	*-1,513.58*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0313		**Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions** *(10 21 13 19-0308)*		
10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	5,366.86	183.51
		For >10, Deduct	*-499.99*	
		For Solid Color Material (No Particulate), Deduct	*-1,149.97*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,051.63	196.85
		For Solid Color Material (No Particulate), Deduct	*-1,531.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,806.52	203.52
		For Solid Color Material (No Particulate), Deduct	*-1,701.88*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0317		**Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions** *(10 21 13 19-0308)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,011.90	216.87
		For >10, Deduct	*-557.82*	
		For Solid Color Material (No Particulate), Deduct	*-1,282.98*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,075.21	230.22
		For Solid Color Material (No Particulate), Deduct	*-1,751.40*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,829.51	236.88
		For Solid Color Material (No Particulate), Deduct	*-1,921.82*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0321		**Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions** *(10 21 13 19-0308)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	6,071.46	250.23
		For >10, Deduct	*-557.10*	
		For Solid Color Material (No Particulate), Deduct	*-1,281.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	7,756.85	263.58
		For Solid Color Material (No Particulate), Deduct	*-1,662.83*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	8,511.14	270.25
		For Solid Color Material (No Particulate), Deduct	*-1,833.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*224.59*	
10 21 13 19-0325		**Solid Polyester (Corian) Urinal Screens** *(10 21 13 19-0307)*		
10 21 13 19-0326		**Floor Anchored, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,424.82	93.39
		For Solid Color Material (No Particulate), Deduct	*-284.75*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,882.75	100.06
		For Solid Color Material (No Particulate), Deduct	*-387.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	2,340.69	106.73
		For Solid Color Material (No Particulate), Deduct	*-489.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0330		**Wall Hung, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	728.73	80.04
		For Solid Color Material (No Particulate), Deduct	*-130.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	931.61	86.72
		For Solid Color Material (No Particulate), Deduct	*-174.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	1,134.50	93.39
		For Solid Color Material (No Particulate), Deduct	*-217.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0334		**Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	953.44	86.72
		For Solid Color Material (No Particulate), Deduct	*-179.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,189.08	93.39
		For Solid Color Material (No Particulate), Deduct	*-230.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	1,424.70	100.06
		For Solid Color Material (No Particulate), Deduct	*-281.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0338		**Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens** *(10 21 13 19-0325)*		
10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,459.94	86.72
		For Solid Color Material (No Particulate), Deduct	*-295.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,917.86	93.39
		For Solid Color Material (No Particulate), Deduct	*-398.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	2,375.79	100.06
		For Solid Color Material (No Particulate), Deduct	*-500.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0342		**Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0307)*		
10 21 13 19-0343		**Solid Polyester (Corian), Toilet Partition Doors** *(10 21 13 19-0342)*		
10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,127.79	26.69
		For Solid Color Material (No Particulate), Deduct	*-247.11*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,204.58	26.69
		For Solid Color Material (No Particulate), Deduct	*-264.77*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,373.66	30.02
		For Solid Color Material (No Particulate), Deduct	*-302.13*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,532.12	30.02
		For Solid Color Material (No Particulate), Deduct	*-338.57*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	1,601.07	30.02
		For Solid Color Material (No Particulate), Deduct	*-354.43*	
		For Heavy Gauge Full-Height SS Hinge, Add	*100.14*	
10 21 13 19-0349		**Solid Polyester (Corian), Toilet Partition Panels** *(10 21 13 19-0342)*		
10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	302.35	40.04
		For Solid Color Material (No Particulate), Deduct	*-51.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	531.34	43.37
		For Solid Color Material (No Particulate), Deduct	*-102.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	760.29	46.71
		For Solid Color Material (No Particulate), Deduct	*-153.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	989.28	50.05
		For Solid Color Material (No Particulate), Deduct	*-204.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,218.23	53.39
		For Solid Color Material (No Particulate), Deduct	*-255.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,447.18	56.72
		For Solid Color Material (No Particulate), Deduct	*-306.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,676.16	60.06
		For Solid Color Material (No Particulate), Deduct	*-357.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,905.11	63.40
		For Solid Color Material (No Particulate), Deduct	*-409.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,171.13	66.72
		For Solid Color Material (No Particulate), Deduct	*-468.66*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,284.96	68.06
		For Solid Color Material (No Particulate), Deduct	*-494.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,363.05	70.06
		For Solid Color Material (No Particulate), Deduct	*-511.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	2,740.21	73.40
		For Solid Color Material (No Particulate), Deduct	*-596.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	3,043.26	76.74
		For Solid Color Material (No Particulate), Deduct	*-664.65*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	388.91	20.02
		For Solid Color Material (No Particulate), Deduct	*-80.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	482.80	23.35
		For Solid Color Material (No Particulate), Deduct	*-100.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	576.70	26.69
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	757.83	30.02
		For Solid Color Material (No Particulate), Deduct	*-160.49*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	938.93	33.36
		For Solid Color Material (No Particulate), Deduct	*-200.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,120.05	36.70
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,650.03	40.04
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,005.61	43.37
		For Solid Color Material (No Particulate), Deduct	*-441.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,186.71	46.71
		For Solid Color Material (No Particulate), Deduct	*-481.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	437.36	20.02
		For Solid Color Material (No Particulate), Deduct	*-91.38*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	543.39	23.35
		For Solid Color Material (No Particulate), Deduct	*-114.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	638.04	26.69
		For Solid Color Material (No Particulate), Deduct	*-134.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	869.89	30.02
		For Solid Color Material (No Particulate), Deduct	*-186.26*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,060.06	33.36
		For Solid Color Material (No Particulate), Deduct	*-228.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,265.40	36.70
		For Solid Color Material (No Particulate), Deduct	*-274.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,868.09	40.04
		For Solid Color Material (No Particulate), Deduct	*-411.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,272.12	43.37
		For Solid Color Material (No Particulate), Deduct	*-502.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,477.45	46.71
		For Solid Color Material (No Particulate), Deduct	*-548.33*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	576.70	26.69
		For Solid Color Material (No Particulate), Deduct	*-120.36*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	714.21	30.02
		For Solid Color Material (No Particulate), Deduct	*-150.45*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	851.71	33.36
		For Solid Color Material (No Particulate), Deduct	*-180.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,120.05	36.70
		For Solid Color Material (No Particulate), Deduct	*-240.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,388.37	40.04
		For Solid Color Material (No Particulate), Deduct	*-300.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,656.71	43.37
		For Solid Color Material (No Particulate), Deduct	*-361.09*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,448.37	46.71
		For Solid Color Material (No Particulate), Deduct	*-541.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,978.39	50.05
		For Solid Color Material (No Particulate), Deduct	*-662.01*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,246.71	53.39
		For Solid Color Material (No Particulate), Deduct	*-722.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*62.23*	

10 21 13 43 Compartments and Cubicles Common Accessories *(10 21 13)*

10 21 13 43-0001 Accessories *(10 21 13 43)*

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	15.00	2.67
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	25.80	2.67
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	120.31	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	78.72	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	130.86	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	92.84	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	221.36	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	201.46	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	154.36	

10 21 16 Shower and Dressing Compartments *(10 21)*

10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,209.48	166.82
		For 66" High Panels, Add	*131.38*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,528.13	180.17
		For 66" High Panels, Add	*175.17*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,985.24	200.18
		For 66" High Panels, Add	*237.73*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,343.88	233.55
		For 66" High Panels, Add	*281.52*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	2,702.57	266.92
		For 66" High Panels, Add	*325.31*	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Head rail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in head rail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,949.72	293.21
		For 66" High Panels, Add	*413.14*	
		For 6" Wide Head Rail, Add	*76.76*	
		For 8" Wide Head Rail, Add	*106.26*	
		For 10" Wide Head Rail, Add	*129.89*	
		For 12" Wide Head Rail, Add	*156.46*	
		For 18" Wide, 1/2" Thick Bench, Add	*143.64*	
		For 24" Wide, 1/2" Thick Bench, Add	*183.64*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,652.50	320.16
		For 66" High Panels, Add	*515.86*	
		For 6" Wide Head Rail, Add	*96.77*	
		For 8" Wide Head Rail, Add	*133.29*	
		For 10" Wide Head Rail, Add	*163.41*	
		For 12" Wide Head Rail, Add	*196.74*	
		For 18" Wide, 1/2" Thick Bench, Add	*149.04*	
		For 24" Wide, 1/2" Thick Bench, Add	*189.04*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,619.82	340.45
		For 66" High Panels, Add	*658.93*	
		For 6" Wide Head Rail, Add	*124.98*	
		For 8" Wide Head Rail, Add	*171.17*	
		For 10" Wide Head Rail, Add	*210.56*	
		For 12" Wide Head Rail, Add	*253.36*	
		For 18" Wide, 1/2" Thick Bench, Add	*153.09*	
		For 24" Wide, 1/2" Thick Bench, Add	*193.09*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	4,932.39	380.88
		For 66" High Panels, Add	*701.77*	
		For 6" Wide Head Rail, Add	*132.74*	
		For 8" Wide Head Rail, Add	*182.06*	
		For 10" Wide Head Rail, Add	*223.77*	
		For 12" Wide Head Rail, Add	*269.28*	
		For 18" Wide, 1/2" Thick Bench, Add	*161.17*	
		For 24" Wide, 1/2" Thick Bench, Add	*201.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	5,647.28	413.98
		For 66" High Panels, Add	*805.70*	
		For 6" Wide Head Rail, Add	*152.86*	
		For 8" Wide Head Rail, Add	*209.33*	
		For 10" Wide Head Rail, Add	*257.53*	
		For 12" Wide Head Rail, Add	*309.86*	
		For 18" Wide, 1/2" Thick Bench, Add	*167.79*	
		For 24" Wide, 1/2" Thick Bench, Add	*207.79*	

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001 Wall Panels *(10 22 13)*

Note: Includes steel frame and posts. Posts bolted to floor.

10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.59	1.67
		For 5' Wide Panels, Add	*0.56*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.20	2.00
		For 5' Wide Panels, Add	*0.61*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	24.41	2.33
		For 5' Wide Panels, Add	*0.99*	

10 22 13 00-0005 Ceiling Panels *(10 22 13)*

Note: Includes steel frame.

10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.18	2.00
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	16.81	2.33
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	18.64	2.67

10 22 13 00-0009 Sliding Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0010	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,439.40	350.33
		For 8 Gauge, Add	*145.84*	
		For 6 Gauge, Add	*291.69*	
10 22 13 00-0011	EA	4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,522.80	387.03
		For 8 Gauge, Add	*151.02*	
		For 6 Gauge, Add	*302.03*	
10 22 13 00-0012	EA	5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,657.18	400.38
		For 8 Gauge, Add	*168.50*	
		For 6 Gauge, Add	*337.01*	
10 22 13 00-0013	EA	5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,806.55	433.74
		For 8 Gauge, Add	*184.23*	
		For 6 Gauge, Add	*368.47*	
10 22 13 00-0014	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	1,872.44	460.43
		For 8 Gauge, Add	*188.78*	
		For 6 Gauge, Add	*377.56*	
10 22 13 00-0015	EA	6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,053.55	487.12
		For 8 Gauge, Add	*210.61*	
		For 6 Gauge, Add	*421.22*	
10 22 13 00-0016	EA	8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,207.09	523.82
		For 8 Gauge, Add	*226.30*	
		For 6 Gauge, Add	*452.60*	
10 22 13 00-0017	EA	8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,394.03	547.17
		For 8 Gauge, Add	*249.67*	
		For 6 Gauge, Add	*499.34*	
10 22 13 00-0018	EA	10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,418.21	560.52
		For 8 Gauge, Add	*250.63*	
		For 6 Gauge, Add	*501.26*	
10 22 13 00-0019	EA	10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock	2,660.24	593.88
		For 8 Gauge, Add	*280.26*	
		For 6 Gauge, Add	*560.52*	

10 22 13 00-0020 Swing Doors *(10 22 13)*

10 22 13 00-0021 Single Swing Door *(10 22 13 00-0020)*

10 22 13 00-0022	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	978.25	206.86
		For 8 Gauge, Add	*102.25*	
		For 6 Gauge, Add	*204.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0023	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,050.58	233.55
		For 8 Gauge, Add	*110.88*	
		For 6 Gauge, Add	*221.75*	
10 22 13 00-0024	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,124.85	246.89
		For 8 Gauge, Add	*119.35*	
		For 6 Gauge, Add	*238.70*	
10 22 13 00-0025	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,117.31	266.92
		For 8 Gauge, Add	*114.21*	
		For 6 Gauge, Add	*228.43*	
10 22 13 00-0026	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,194.08	280.26
		For 8 Gauge, Add	*123.06*	
		For 6 Gauge, Add	*246.12*	
10 22 13 00-0027	EA	4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock	1,247.94	293.60
		For 8 Gauge, Add	*128.47*	
		For 6 Gauge, Add	*256.94*	

10 22 13 00-0028 Double Swing Doors *(10 22 13 00-0020)*

10 22 13 00-0029	EA	6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,541.24	333.64
		For 8 Gauge, Add	*164.46*	
		For 6 Gauge, Add	*328.92*	
10 22 13 00-0030	EA	6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,665.51	353.66
		For 8 Gauge, Add	*179.09*	
		For 6 Gauge, Add	*358.19*	
10 22 13 00-0031	EA	6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,789.77	373.68
		For 8 Gauge, Add	*193.73*	
		For 6 Gauge, Add	*387.46*	
10 22 13 00-0032	EA	8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	1,920.88	400.38
		For 8 Gauge, Add	*208.06*	
		For 6 Gauge, Add	*416.12*	
10 22 13 00-0033	EA	8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,096.74	420.39
		For 8 Gauge, Add	*230.43*	
		For 6 Gauge, Add	*460.87*	
10 22 13 00-0034	EA	8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock	2,270.64	440.41
		For 8 Gauge, Add	*252.52*	
		For 6 Gauge, Add	*505.03*	

10 22 13 00-0035 Dutch Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0036	EA	3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,299.30	206.86
		For 8 Gauge, Add	*150.41*	
		For 6 Gauge, Add	*300.82*	
10 22 13 00-0037	EA	3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,377.35	233.55
		For 8 Gauge, Add	*159.89*	
		For 6 Gauge, Add	*319.79*	
10 22 13 00-0038	EA	3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,419.88	246.89
		For 8 Gauge, Add	*163.60*	
		For 6 Gauge, Add	*327.21*	
10 22 13 00-0039	EA	3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,502.42	280.26
		For 8 Gauge, Add	*169.31*	
		For 6 Gauge, Add	*338.62*	
10 22 13 00-0040	EA	4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,443.00	266.92
		For 8 Gauge, Add	*163.07*	
		For 6 Gauge, Add	*326.13*	
10 22 13 00-0041	EA	4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock	1,529.98	280.26
		For 8 Gauge, Add	*173.45*	
		For 6 Gauge, Add	*346.89*	

10 22 19 Demountable Partitions *(10 22)*

10 22 19 13 Demountable Metal Partitions *(10 22 19)*

10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	182.78	21.22
		For >9, Add	*22.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	160.27	16.90
		For >9, Add 20.03		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	137.78	12.70
		For >9, Add 17.22		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	268.55	16.90
		For >9, Add 33.57		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	395.90	18.17
		For >9, Add 49.49		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	280.98	21.22
		For >9, Add 35.12		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	351.54	23.12
		For >9, Add 43.94		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	58.87	3.18
		For Acoustical Partitions, Add	*5.26*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	73.83	5.33
		For Acoustical Partitions, Add	*6.31*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	62.79	3.30
		For Acoustical Partitions, Add	*5.61*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	89.78	4.57
		For Acoustical Partitions, Add	*8.08*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	150.74	21.22
		For >9, Add 18.84		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	265.78	23.12
		For >9, Add 33.22		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	285.57	25.41
		For >9, Add 35.70		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	228.33	21.22
		For >9, Add 28.54		
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	379.61	23.12
		For >9, Add 47.45		

10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Includes standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	353.77	10.17
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	377.10	11.30
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	448.30	13.59
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	260.83	5.85
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	276.80	6.73
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	311.10	8.13
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	265.26	6.22
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	471.87	11.30
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	518.50	13.59
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	275.14	7.75
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	312.99	9.02
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	252.23	6.73
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	283.02	8.13
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	419.22	11.30
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	472.87	13.59
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	426.24	11.30
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	518.50	13.59
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	329.45	6.73
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	370.77	8.13
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	347.75	6.22
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	414.87	7.37
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	201.43	7.75
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	237.53	9.02
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	214.58	8.13
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	156.45	6.22
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	254.94	8.13
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	290.72	8.52
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	234.15	8.25

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	725.85	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	689.54	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	544.28	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	629.01	
10 22 23 23-0035	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,228.21	
10 22 23 23-0036	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	250.63	
10 22 23 23-0037	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	332.66	
10 22 23 23-0038	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	356.87	
10 22 23 23-0039	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	208.27	
10 22 23 23-0040	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008) Note: Includes a hydraulic closer and a lever style lockset standard.	1,470.31	
10 22 23 23-0041	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	208.27	
10 22 23 23-0042	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010) Note: Includes a hydraulic closer and a lever style lockset standard.	1,107.16	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003) Note: To seal panels to existing walls	15.55	
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	339.56	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	95.81	6.29
		For <135, Add	*19.16*	
10 22 33 00-0003	SF	20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	97.31	6.50
		For <135, Add	*19.46*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	101.89	6.70
		For <135, Add	*20.38*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	108.07	6.93
		For <135, Add	*21.61*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	109.97	7.13
		For <135, Add	*21.99*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	111.34	7.34
		For <135, Add	*22.27*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	112.66	7.55
		For <135, Add	*22.53*	
10 22 33 00-0009	SF	44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	114.37	7.96
		For <135, Add	*22.87*	
10 22 33 00-0010	SF	47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	121.13	7.96
		For <135, Add	*24.23*	
10 22 33 00-0011	SF	50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish	127.90	7.96
		For <135, Add	*25.58*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	256.35	24.96
		For 43 STC, Deduct	*-11.72*	
		For 49 STC, Add	*14.88*	
		For 52 STC, Add	*22.54*	
10 22 43 00-0003	SF	>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	237.23	20.11
		For 43 STC, Deduct	*-11.47*	
		For 49 STC, Add	*14.56*	
		For 52 STC, Add	*22.06*	
10 22 43 00-0004	SF	>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	223.24	16.68
		For 43 STC, Deduct	*-11.23*	
		For 49 STC, Add	*14.25*	
		For 52 STC, Add	*21.59*	
10 22 43 00-0005	SF	Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	217.40	17.55
		For 43 STC, Deduct	*-10.67*	
		For 49 STC, Add	*13.55*	
		For 52 STC, Add	*20.53*	
10 22 43 00-0006	SF	>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	202.93	14.26
		For 43 STC, Deduct	*-10.37*	
		For 49 STC, Add	*13.16*	
		For 52 STC, Add	*19.95*	
10 22 43 00-0007	SF	>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	194.50	12.84
		For 43 STC, Deduct	*-10.12*	
		For 49 STC, Add	*12.85*	
		For 52 STC, Add	*19.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0008	SF	Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	192.57	13.84
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.80*	
		For 49 STC, Add	*12.44*	
		For 52 STC, Add	*18.85*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	181.68	11.84
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.49*	
		For 49 STC, Add	*12.05*	
		For 52 STC, Add	*18.25*	
10 22 43 00-0010	SF	>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	174.23	10.56
		Note: Includes pocket door, two ADA pass doors, track and hardware.		
		For 43 STC, Deduct	*-9.25*	
		For 49 STC, Add	*11.74*	
		For 52 STC, Add	*17.79*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	200.44	16.68
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.73*	
		For 49 STC, Add	*12.35*	
		For 52 STC, Add	*18.71*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	184.18	12.69
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.47*	
		For 49 STC, Add	*12.02*	
		For 52 STC, Add	*18.21*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	174.83	10.70
		Note: Includes pocket door, track and hardware.		
		For 44 STC, Deduct	*-9.25*	
		For 49 STC, Add	*11.74*	
		For 52 STC, Add	*17.79*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	8.76	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.11*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.27	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.13*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.08	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.27*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	15.60	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.45*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	14.97	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.42*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	15.74	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-4.79*	
		For Recycled Vinyl Retainer, Deduct	*-1.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	17.30	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-4.87*	
		For Recycled Vinyl Retainer, Deduct	*-1.46*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	18.87	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-4.94*	
		For Recycled Vinyl Retainer, Deduct	*-1.77*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	21.80	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.09*	
		For Recycled Vinyl Retainer, Deduct	*-2.36*	

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	30.76	8.00
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 200, Deduct	*-4.67*	
		For >200, Deduct	*-6.87*	
		For Recycled Vinyl Retainer, Deduct	*-3.48*	

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	20.24	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.01*	
		For Up To 2 HR Fire Rated, Add	*7.17*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	23.96	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.20*	
		For Up To 2 HR Fire Rated, Add	*9.77*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	22.36	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.12*	
		For Up To 2 HR Fire Rated, Add	*8.65*	

10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	25.54	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.28*	
		For Up To 2 HR Fire Rated, Add	*10.88*	

10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	51.86	8.00
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 200, Deduct	*-4.67*	
		For >200, Deduct	*-7.93*	
		For Up To 2 HR Fire Rated, Add	*26.96*	

10 26 13 00-0030 Flexible Vinyl Corner Guards *(10 26 13 00-0001)*

Note: Includes adhesive for installation.

10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0032		**90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards** *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	11.50	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.24*	
		For Bolting To Concrete Or Masonry, Add	*2.73*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	14.29	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.38*	
		For Bolting To Concrete Or Masonry, Add	*3.14*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	16.56	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.50*	
		For Bolting To Concrete Or Masonry, Add	*3.48*	
10 26 13 00-0036		**Polycarbonate Corner Guards** *(10 26 13)*		
10 26 13 00-0037		**Surface Mounted, Polycarbonate Corner Guards** *(10 26 13 00-0036)*		
10 26 13 00-0038		**90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards** *(10 26 13 00-0037)*		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	8.13	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.07*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	9.50	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.14*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	11.09	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.22*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	12.06	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.27*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	11.70	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.25*	
10 26 13 00-0044		**135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards** *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	12.06	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.27*	
10 26 13 00-0046		**Aluminum Corner Guards** *(10 26 13)*		
10 26 13 00-0047		**Surface Mounted, Aluminum Corner Guards** *(10 26 13 00-0046)*		
10 26 13 00-0048		**90 Degree Angle, Surface Mounted, Aluminum Corner Guards** *(10 26 13 00-0047)*		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	10.90	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.21*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	12.75	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.31*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	13.89	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.36*	
10 26 13 00-0052		**135 Degree Angle, Surface Mounted, Aluminum Corner Guards** *(10 26 13 00-0047)*		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	10.90	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.21*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	12.75	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.31*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	13.89	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0056		Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057		Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	13.98	4.81
		For Galvanizing, Add	*2.09*	
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 200, Deduct	*-2.80*	
		For >200, Deduct	*-3.90*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.40	5.20
		For Galvanizing, Add	*3.06*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.03*	
		For >200, Deduct	*-4.34*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.46	5.40
		For Galvanizing, Add	*3.31*	
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 200, Deduct	*-3.15*	
		For >200, Deduct	*-4.53*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	18.91	5.60
		For Galvanizing, Add	*3.35*	
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-4.68*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	23.05	5.80
		For Galvanizing, Add	*4.68*	
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 200, Deduct	*-3.38*	
		For >200, Deduct	*-5.02*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	27.21	6.00
		For Galvanizing, Add	*6.02*	
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-5.36*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	45.44	8.00
		For Galvanizing, Add	*11.24*	
		For >50 To 100, Deduct	*-3.34*	
		For >100 To 200, Deduct	*-4.67*	
		For >200, Deduct	*-7.61*	
10 26 13 00-0067		Stainless Steel Corner Guards *(10 26 13)*		
10 26 13 00-0068		Stainless Steel Corner Guards *(10 26 13 00-0067)*		
		Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	11.95	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.27*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	13.58	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.35*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	17.81	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.56*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	17.81	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.56*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.81	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.56*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	17.81	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.56*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	21.82	4.81
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 200, Deduct	*-2.80*	
		For >200, Deduct	*-4.29*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	34.88	5.20
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 200, Deduct	*-3.03*	
		For >200, Deduct	*-5.21*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	47.82	5.40
		For >50 To 100, Deduct	*-2.25*	
		For >100 To 200, Deduct	*-3.15*	
		For >200, Deduct	*-6.00*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	44.92	5.60
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-5.98*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	63.09	5.80
		For >50 To 100, Deduct	*-2.42*	
		For >100 To 200, Deduct	*-3.38*	
		For >200, Deduct	*-7.02*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	58.60	6.00
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 200, Deduct	*-3.50*	
		For >200, Deduct	*-6.93*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)* Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	48.52	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-5.09*	
		For Bolting To Concrete Or Masonry, Add	*8.28*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	22.75	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.81*	
		For Bolting To Concrete Or Masonry, Add	*4.41*	
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	20.16	4.00
		For >50 To 100, Deduct	*-1.67*	
		For >100 To 200, Deduct	*-2.33*	
		For >200, Deduct	*-3.68*	
		For Bolting To Concrete Or Masonry, Add	*4.02*	
10 26 16		**Bumper Guards** *(10 26)*		
10 26 16 13		**Bumper Rails** *(10 26 16)*		
10 26 16 13-0001		Crash Rails *(10 26 16 13)* Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails *(10 26 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	14.09	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-4.98*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	15.30	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-5.04*	
10 26 16 13-0005		**Aluminum Crash Rails** *(10 26 16 13-0001)*		
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	36.36	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-6.09*	
10 26 16 13-0007		**Stainless Steel Crash Rails** *(10 26 16 13-0001)*		
10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	62.05	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-7.37*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	49.20	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-6.73*	
10 26 16 13-0010		**Wall Guards** *(10 26 16 13)*		
10 26 16 13-0011		**Rigid Vinyl Wall Guards With Aluminum Retainers** *(10 26 16 13-0010)*		
		Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	14.16	4.67
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-4.44*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	17.08	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-5.13*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	18.28	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-5.19*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	18.93	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-5.22*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	22.26	5.67
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.97*	
		For >200, Deduct	*-5.65*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	22.36	5.67
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.97*	
		For >200, Deduct	*-5.65*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	22.94	5.67
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.97*	
		For >200, Deduct	*-5.68*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	27.21	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-6.16*	
10 26 16 13-0020		**Rubber Wall Guards** *(10 26 16 13-0010)*		
10 26 16 13-0021		**D-Shaped, Rubber Wall Guards** *(10 26 16 13-0020)*		
10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	18.26	4.67
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-4.65*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	26.09	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-5.58*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	37.20	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-6.13*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	51.19	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-6.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 26 16 13-0026 Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	39.78	5.67
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.97*	
		For >200, Deduct	*-6.53*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	49.63	6.00
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 200, Deduct	*-4.20*	
		For >200, Deduct	*-7.28*	

10 26 16 13-0029 Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	63.33	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-7.44*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	67.18	5.34
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 200, Deduct	*-3.74*	
		For >200, Deduct	*-7.63*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	31.79	4.67
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-5.33*	

10 26 16 13-0033 U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	54.04	5.67
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.97*	
		For >200, Deduct	*-7.24*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	60.14	5.67
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 200, Deduct	*-3.97*	
		For >200, Deduct	*-7.54*	

10 26 16 13-0036 Accent Rails *(10 26 16 13)*

Note: Includes end caps.

10 26 16 13-0037 Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*

10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	16.26	4.67
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-4.55*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	16.28	4.67
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-4.55*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	22.20	4.67
		For >50 To 100, Deduct	*-2.34*	
		For >100 To 200, Deduct	*-3.27*	
		For >200, Deduct	*-4.85*	

10 26 16 16 Protective Corridor Handrails *(10 26 16)*

10 26 16 16-0001 Protective Corridor Handrails *(10 26 16 16)*

10 26 16 16-0002 Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*

10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	36.08	10.00
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 200, Deduct	*-7.00*	
		For >200, Deduct	*-9.81*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	31.49	10.00
		For >25 To 50, Deduct	*-5.00*	
		For >50 To 100, Deduct	*-7.00*	
		For >100, Deduct	*-9.58*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	49.85	10.00
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 200, Deduct	*-7.00*	
		For >200, Deduct	*-10.50*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	40.67	10.00
		For >25 To 50, Deduct	*-5.00*	
		For >50 To 100, Deduct	*-7.00*	
		For >100, Deduct	*-10.04*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	52.14	10.00
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 200, Deduct	*-7.00*	
		For >200, Deduct	*-10.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	56.73	10.00
		For >25 To 50, Deduct	*-5.00*	
		For >50 To 100, Deduct	*-7.00*	
		For >100, Deduct	*-10.84*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	68.21	10.00
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 200, Deduct	*-7.00*	
		For >200, Deduct	*-11.41*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	75.09	10.00
		For >25 To 50, Deduct	*-5.00*	
		For >50 To 100, Deduct	*-7.00*	
		For >100, Deduct	*-11.76*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	91.16	10.00
		For >50 To 100, Deduct	*-5.00*	
		For >100 To 200, Deduct	*-7.00*	
		For >200, Deduct	*-12.56*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	93.45	10.00
		For >25 To 50, Deduct	*-5.00*	
		For >50 To 100, Deduct	*-7.00*	
		For >100, Deduct	*-12.68*	

10 26 16 16-0014 Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	28.86	6.03
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 200, Deduct	*-4.22*	
		For >200, Deduct	*-6.26*	
		For Maple, Add	*0.50*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	34.45	6.43
		For >50 To 100, Deduct	*-3.21*	
		For >100 To 200, Deduct	*-4.50*	
		For >200, Deduct	*-6.86*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	25.27	6.03
		For >50 To 100, Deduct	*-3.01*	
		For >100 To 200, Deduct	*-4.22*	
		For >200, Deduct	*-6.08*	
		For Maple, Add	*5.68*	
		For Oak, Add	*6.35*	

10 26 23 Protective Wall Covering *(10 26)*

10 26 23 13 Impact Resistant Wall Protection *(10 26 23)*

10 26 23 13-0001 Impact Resistant Wall Protection *(10 26 23 13)*

Note: Includes standard trim.

10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	9.23	3.34
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	9.54	3.34
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	11.34	3.34

10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0006 "L" Design *(10 26 23 13-0005)*

10 26 23 13-0007 L-Shield *(10 26 23 13-0006)*

10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	17.98	3.34
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Diameter Pipe	20.93	4.67
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Diameter Pipe	27.46	6.00
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Diameter Pipe	37.58	7.34

10 26 23 13-0012 "Combo" Hanger *(10 26 23 13-0006)*

10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Diameter Pipe	20.25	6.67
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Diameter Pipe	23.46	8.01
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Diameter Pipe	27.11	9.34
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Diameter Pipe	30.18	10.68
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Diameter Pipe	33.82	12.01

10 26 23 13-0018 Snap-2 Pipe Hanger *(10 26 23 13-0006)*

10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Diameter Pipe	16.94	6.67
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Diameter Pipe	20.56	8.01
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Diameter Pipe	23.93	9.34
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Diameter Pipe	27.83	10.68
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Diameter Pipe	31.88	12.01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0024		**Coupling** *(10 26 23 13-0006)*		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	10.95	3.34
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	15.82	4.67
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	22.63	6.00
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	28.34	7.34
10 26 23 13-0029		**Coupling, Reducer** *(10 26 23 13-0006)*		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	30.08	4.00
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	36.93	4.67
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	43.79	5.34
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	168.97	6.67
10 26 23 13-0034		**Shield Clips** *(10 26 23 13-0006)*		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	6.62	2.00
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	9.98	3.34
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	13.20	4.67
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	15.05	6.00
10 26 23 13-0039		**Wall Flange** *(10 26 23 13-0006)*		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	10.67	3.34
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	15.27	4.67
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	22.08	6.00
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	88.71	7.34
10 26 23 13-0044		**End Cap** *(10 26 23 13-0006)*		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	10.76	2.00
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	14.40	3.34
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	19.96	4.67
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	90.10	6.00
10 26 23 13-0049		**Inside/Outside Corner** *(10 26 23 13-0006)*		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	66.19	6.67
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	71.47	8.01
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	86.38	10.01
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	150.25	12.01
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	13.80	2.00
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Diameter Pipe	21.57	3.34
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Diameter Pipe	27.00	4.67
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Diameter Pipe	34.50	4.67
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Diameter Pipe	17.63	6.67
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Diameter Pipe	20.98	8.01
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Diameter Pipe	24.21	9.34
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Diameter Pipe	29.77	10.68
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Diameter Pipe	33.68	12.01
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Diameter Pipe	16.66	6.67
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Diameter Pipe	20.29	8.01
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Diameter Pipe	24.62	9.34
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Diameter Pipe	27.56	10.68
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Diameter Pipe	31.75	12.01
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	12.88	3.34
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	16.24	4.67
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	19.87	6.00
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	35.60	4.00
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	42.45	4.67
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	45.17	5.34
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	6.07	2.00
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	9.02	3.34
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	11.96	4.67
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	12.46	3.34
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	16.10	4.67
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	19.74	6.00
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	11.45	2.00
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	15.50	3.34
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	19.41	4.67
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	82.88	6.67
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	92.30	8.01
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	109.28	10.01
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	81.36	6.67
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	89.54	8.01
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	106.66	10.01
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	103.21	10.01
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	114.94	12.01
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	134.35	14.68
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	135.82	11.35
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	146.80	14.01
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	186.03	13.35
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	208.62	16.01
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	253.60	20.02
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	254.51	14.68
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	280.23	18.01
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	31.78	3.34
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	36.10	4.67
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	44.98	6.00
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	36.02	4.00
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	44.89	5.34
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	176.83	6.67
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	109.09	6.67
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	118.38	8.01
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	138.94	10.01
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	169.20	7.34
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	120.08	7.34
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	179.00	9.34
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	139.13	9.34
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	215.05	10.68
10 26 23 13-0130		**Tee Transition** *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	125.42	10.01
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	145.15	12.01
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	168.98	14.68
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	132.64	11.35
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	207.47	12.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	148.05	14.01
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	201.67	16.69
10 26 23 13-0138		Fittings (L Or U) *(10 26 23 13-0005)*		
10 26 23 13-0139		Hugger Hangers For Steel Pipe *(10 26 23 13-0138)*		
10 26 23 13-0140	EA	1/2" Diameter Steel Pipe, Hugger Hanger	13.58	5.34
10 26 23 13-0141	EA	3/4" Diameter Steel Pipe, Hugger Hanger	16.94	6.67
10 26 23 13-0142	EA	1" Diameter Steel Pipe, Hugger Hanger	19.87	8.01
10 26 23 13-0143	EA	1-1/4" Diameter Steel Pipe, Hugger Hanger	22.97	9.34
10 26 23 13-0144	EA	1-1/2" Diameter Steel Pipe, Hugger Hanger	25.90	10.68
10 26 23 13-0145	EA	2" Diameter Steel Pipe, Hugger Hanger	29.12	10.68
10 26 23 13-0146	EA	2-1/2" Diameter Steel Pipe, Hugger Hanger	32.07	13.35
10 26 23 13-0147	EA	3" Diameter Steel Pipe, Hugger Hanger	39.84	14.68
10 26 23 13-0148		Hugger Hangers For Copper Pipe *(10 26 23 13-0138)*		
10 26 23 13-0149	EA	1/2" Diameter Copper Pipe, Hugger Hanger	13.72	5.34
10 26 23 13-0150	EA	3/4" Diameter Copper Pipe, Hugger Hanger	17.07	6.67
10 26 23 13-0151	EA	1" Diameter Copper Pipe, Hugger Hanger	20.01	8.01
10 26 23 13-0152	EA	1-1/4" Diameter Copper Pipe, Hugger Hanger	23.10	9.34
10 26 23 13-0153	EA	1-1/2" Diameter Copper Pipe, Hugger Hanger	26.04	10.68
10 26 23 13-0154	EA	2" Diameter Copper Pipe, Hugger Hanger	29.40	12.01
10 26 23 13-0155	EA	2-1/2" Diameter Copper Pipe, Hugger Hanger	32.35	13.35
10 26 23 13-0156	EA	3" Diameter Copper Pipe, Hugger Hanger	40.26	14.68
10 26 23 13-0157		Shield Extension (L Or U) *(10 26 23 13-0138)*		
10 26 23 13-0158	LF	Shield Extension	16.69	2.00
10 26 23 13-0159		Interior Steel Soffit System *(10 26 23 13)*		
		Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.		
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	32.06	6.00
		For 22 Gauge Steel, Add	*2.01*	
		For 20 Gauge Steel, Add	*4.29*	
		For 18 Gauge Steel, Add	*8.42*	
		For 16 Gauge Steel, Add	*12.93*	
		For Stainless Steel, Add	*5.01*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	51.63	16.69
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	126.62	20.02
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	39.51	10.01
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	8.79	4.00
		For Stainless Steel, Add	*0.20*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	36.32	6.00
		For 22 Gauge Steel, Add	*1.82*	
		For 20 Gauge Steel, Add	*3.89*	
		For 18 Gauge Steel, Add	*7.54*	
		For 16 Gauge Steel, Add	*12.64*	
		For Stainless Steel, Add	*6.08*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	51.63	16.69
		For Stainless Steel, Add	*4.57*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	126.62	20.02
		For Stainless Steel, Add	*21.31*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	34.17	7.34
		For Stainless Steel, Add	*4.87*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	8.79	4.00
		For Stainless Steel, Add	*0.20*	
10 26 41		**Bullet Resistant Panels** *(10 26)*		
10 26 41 00-0001		Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*		
		Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.		
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 Lb./SF	23.42	1.88
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 Lb./SF	31.86	2.02
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 Lb./SF	35.98	2.15
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 Lb./SF	38.28	2.28
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 Lb./SF	41.45	2.41
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 Lb./SF	44.60	2.55
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 Lb./SF	75.15	3.09
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 Lb./SF	107.89	4.83
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 Lb./SF	128.13	5.78
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 Lb./SF	154.87	6.31
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 Lb./SF	176.00	6.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 Toilet, Bath, and Laundry Accessories *(10 20)*				
10 28 13 Toilet Accessories *(10 28)*				
10 28 13 13 Commercial Toilet Accessories *(10 28 13)*				
10 28 13 13-0001		Toilet Accessories *(10 28 13 13)*		
10 28 13 13-0002		Dispensers *(10 28 13 13-0001)*		
10 28 13 13-0003		Paper Towel Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0004		Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	120.53	30.01
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	128.16	30.01
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	129.29	30.01
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	131.48	30.01
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	191.77	30.01
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	208.23	30.01
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	224.69	30.01
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	227.32	13.34
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	384.92	30.01
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	450.45	30.01
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	486.42	30.01
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	282.72	30.01
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	163.31	16.68
10 28 13 13-0018		Plastic Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	94.52	30.01
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	182.16	30.01
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	180.98	30.01
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	155.78	30.01
10 28 13 13-0023		Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*		
10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	102.16	30.01
10 28 13 13-0025		Toilet Tissue Dispensers *(10 28 13 13-0002)*		
10 28 13 13-0026		Plastic Toilet Tissue Dispensers *(10 28 13 13-0025)*		
10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	94.24	30.01
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	111.47	30.01
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	83.16	30.01
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	96.17	30.01
10 28 13 13-0031		Cast Aluminum Toilet Tissue Dispensers *(10 28 13 13-0025)*		
10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	86.33	30.01
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	86.89	30.01
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	90.85	30.01
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	98.20	30.01
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	125.33	30.01
10 28 13 13-0037		Stainless Steel Toilet Tissue Dispensers *(10 28 13 13-0025)*		
10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	75.30	30.01
10 28 13 13-0039	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	192.07	30.01
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	117.00	30.01
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	112.05	30.01
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	120.67	30.01
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	154.90	33.35
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	120.67	30.01
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	154.90	30.01
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	165.90	30.01
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	252.22	30.01
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	252.22	30.01
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	112.23	30.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	129.57	30.01
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	85.75	30.01
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	138.34	30.01
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	192.68	30.01
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	198.56	30.01
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	250.93	30.01
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	230.43	30.01
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	355.42	30.01
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	157.57	30.01
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	146.51	30.01
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	120.28	30.01

10 28 13 13-0061 Soap or Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0062	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	110.64	30.01
		For 34 Fluid Ounce (B-822), Add	*5.25*	
10 28 13 13-0063	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	119.12	30.01
		For 34 Fluid Ounce (B-822), Add	*5.25*	
10 28 13 13-0064	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	78.41	30.01
10 28 13 13-0065	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	84.34	30.01
10 28 13 13-0066	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	102.03	30.01
10 28 13 13-0067	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	104.48	30.01
10 28 13 13-0068	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	112.33	30.01
10 28 13 13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	139.19	30.01
10 28 13 13-0070	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	231.98	30.01
10 28 13 13-0071	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	362.30	30.01
10 28 13 13-0072	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	229.52	30.01

10 28 13 13-0073 Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0074 Manual Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0075	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	91.27	30.01
10 28 13 13-0076	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	92.48	30.01
10 28 13 13-0077	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	92.10	30.01

10 28 13 13-0078 Automatic Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0079	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	86.11	30.01
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	108.72	30.01
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	103.08	30.01
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	109.99	30.01
10 28 13 13-0083	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	124.96	30.01
10 28 13 13-0084	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	125.67	30.01

10 28 13 13-0085 Automatic Floor Stand Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0086	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	576.52	10.00
10 28 13 13-0087	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	619.81	10.00
10 28 13 13-0088	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	644.01	10.00

10 28 13 13-0089 Facial Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0090	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	125.91	30.01
10 28 13 13-0091	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	94.23	30.01

10 28 13 13-0092 Sanitary Toilet Seat Cover Dispensers *(10 28 13 13-0002)*

10 28 13 13-0093	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	77.27	30.01
10 28 13 13-0094	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	99.61	30.01
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	170.01	30.01
10 28 13 13-0096	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	180.25	30.01
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	343.93	30.01

10 28 13 13-0098 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0099	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	539.35	30.01
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	334.24	30.01

10 28 13 13-0101 Sanitary Napkin/Tampon Dispensers *(10 28 13 13-0002)*

10 28 13 13-0102	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	663.62	30.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	506.99	30.01
10 28 13 13-0104	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	672.24	30.01
10 28 13 13-0105	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	513.27	30.01
10 28 13 13-0106	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	452.70	30.01
10 28 13 13-0107	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	590.78	30.01
10 28 13 13-0108		**Toilet Compartment Combination Dispenser/Disposals** *(10 28 13 13-0002)*		
10 28 13 13-0109	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	482.94	66.70
10 28 13 13-0110	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	536.83	66.70
10 28 13 13-0111	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	448.69	66.70
10 28 13 13-0112	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	623.35	66.70
10 28 13 13-0113	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	640.02	66.70
10 28 13 13-0114	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	733.04	66.70
10 28 13 13-0115	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	688.55	66.70
10 28 13 13-0116		**Receptacles** *(10 28 13 13-0001)*		
10 28 13 13-0117		**Wall Mounted Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0118	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	112.29	30.01
10 28 13 13-0119	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	180.18	30.01
10 28 13 13-0120	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	415.56	66.70
10 28 13 13-0121	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	606.67	66.70
10 28 13 13-0122	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	484.82	66.70
10 28 13 13-0123		**Floor-Standing/Counter Waste Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0124	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	130.85	30.01
10 28 13 13-0125	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	183.29	30.01
10 28 13 13-0126	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	335.90	13.34
10 28 13 13-0127	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	506.10	13.34
10 28 13 13-0128	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	474.38	13.34
10 28 13 13-0129	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	456.34	13.34
10 28 13 13-0130		**Combination Paper Towel Dispenser/ Waste Receptacle** *(10 28 13 13-0116)*		
10 28 13 13-0131	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	347.71	66.70
10 28 13 13-0132	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	546.45	66.70
10 28 13 13-0133	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	538.54	66.70
10 28 13 13-0134	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	773.33	66.70
10 28 13 13-0135	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	1,056.80	66.70
10 28 13 13-0136	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	896.45	66.70
10 28 13 13-0137	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	695.75	66.70
10 28 13 13-0138	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	1,114.13	66.70
10 28 13 13-0139	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	1,033.90	73.38
10 28 13 13-0140	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	702.56	73.38
10 28 13 13-0141		**Sanitary Napkin/Tampon Receptacles** *(10 28 13 13-0116)*		
10 28 13 13-0142	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	105.43	33.35
10 28 13 13-0143	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	198.68	33.35
10 28 13 13-0144	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	215.12	33.35
10 28 13 13-0145	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	487.09	33.35
10 28 13 13-0146	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	263.74	33.35
10 28 13 13-0147	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	453.45	33.35
10 28 13 13-0148		**Grab Bars** *(10 28 13 13-0001)*		
10 28 13 13-0149		**1-1/4" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0150	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	101.64	26.68
		For Peened Grip, Add	*4.95*	
10 28 13 13-0151	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	115.69	26.68
		For Peened Grip, Add	*6.21*	

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10 28 13 13-0152	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	117.10	26.68
		For Peened Grip, Add	*6.34*	
10 28 13 13-0153	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	117.76	26.68
		For Peened Grip, Add	*6.40*	
10 28 13 13-0154	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	117.94	26.68
		For Peened Grip, Add	*6.41*	
10 28 13 13-0155	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	121.34	26.68
		For Peened Grip, Add	*6.72*	
10 28 13 13-0156	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	126.70	26.68
		For Peened Grip, Add	*7.20*	
10 28 13 13-0157		**1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0158	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	189.94	26.68
		For Peened Grip, Add	*12.29*	
10 28 13 13-0159	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	193.60	26.68
		For Peened Grip, Add	*12.62*	
10 28 13 13-0160		**1-1/2" Diameter, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0161	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	114.51	26.68
		For Peened Grip, Add	*6.10*	
10 28 13 13-0162	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	115.69	26.68
		For Peened Grip, Add	*6.21*	
10 28 13 13-0163	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	117.94	26.68
		For Peened Grip, Add	*6.41*	
10 28 13 13-0164	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	120.21	26.68
		For Peened Grip, Add	*6.62*	
10 28 13 13-0165	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	123.03	26.68
		For Peened Grip, Add	*6.87*	
10 28 13 13-0166	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	125.58	26.68
		For Peened Grip, Add	*7.10*	
10 28 13 13-0167	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	131.80	26.68
		For Peened Grip, Add	*7.66*	
10 28 13 13-0168		**1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0169	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	174.66	26.68
		For Peened Grip, Add	*10.92*	
10 28 13 13-0170	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	186.83	26.68
		For Peened Grip, Add	*12.01*	
10 28 13 13-0171	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	163.92	26.68
		For Peened Grip, Add	*9.95*	
10 28 13 13-0172		**1-1/4" Diameter, Stainless Steel Swing Up Grab Bars** *(10 28 13 13-0148)*		
		Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0173	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	488.86	26.68
		For Peened Grip, Add	*39.80*	
10 28 13 13-0174		**Shelves** *(10 28 13 13-0001)*		
10 28 13 13-0175	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	132.68	30.01
10 28 13 13-0176	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	136.08	30.01
10 28 13 13-0177	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	151.63	30.01
10 28 13 13-0178	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	155.54	30.01
10 28 13 13-0179	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	149.38	30.01
10 28 13 13-0180	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	151.22	30.01
10 28 13 13-0181	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	160.39	30.01
10 28 13 13-0182	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	173.67	30.01
10 28 13 13-0183	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	201.75	30.01
10 28 13 13-0184	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	160.67	30.01
10 28 13 13-0185	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	163.50	30.01
10 28 13 13-0186	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	188.39	30.01
10 28 13 13-0187	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	199.61	30.01
10 28 13 13-0188	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	216.92	30.01
10 28 13 13-0189	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	264.01	30.01
10 28 13 13-0190	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	349.81	30.01
10 28 13 13-0191	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	171.16	30.01
10 28 13 13-0192		**Changing Stations** *(10 28 13 13-0001)*		
10 28 13 13-0193	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	478.05	40.03
10 28 13 13-0194	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	505.35	40.03
10 28 13 13-0195	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	420.82	40.03
10 28 13 13-0196	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,969.62	40.03
10 28 13 13-0197	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	2,286.05	40.03
10 28 13 13-0198	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,969.62	40.03
10 28 13 13-0199	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	2,286.05	40.03

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10 28 13 13-0200		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0201	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	605.24	53.37
10 28 13 13-0202	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	783.35	53.37
10 28 13 13-0203	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	2,379.14	53.37
10 28 13 13-0204	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	3,879.92	
10 28 13 13-0205		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0206	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	72.27	30.01
10 28 13 13-0207	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	74.24	30.01
10 28 13 13-0208	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	125.68	30.01
10 28 13 13-0209	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	135.58	30.01
10 28 13 13-0210		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0211	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	3.54	1.34
10 28 13 13-0212	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	55.24	13.34
10 28 13 13-0213	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	57.65	13.34
10 28 13 13-0214	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	99.89	30.01
10 28 13 13-0215	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	106.12	30.01
10 28 13 13-0216	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	113.75	30.01
10 28 13 13-0217	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	123.08	30.01
10 28 13 13-0218	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	89.15	30.01
10 28 13 13-0219	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	96.50	30.01
10 28 13 13-0220	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	100.74	30.01
10 28 13 13-0221	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	106.12	30.01
10 28 13 13-0222	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	92.26	30.01
10 28 13 13-0223	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	98.48	30.01
10 28 13 13-0224	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	105.82	30.01
10 28 13 13-0225	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	110.92	30.01
10 28 13 13-0226		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	511.43	25.56
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	552.97	25.56
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	615.74	25.56
10 28 13 13-0230	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	883.69	25.56
10 28 13 13-0231	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	532.64	25.56
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	590.83	25.56
10 28 13 13-0233	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	2,598.34	25.56
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	2,707.65	25.56
10 28 13 13-0235	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	2,824.26	25.56
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	668.04	25.56
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,771.89	25.56
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	3,006.43	25.56
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,301.44	25.56
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,376.13	25.56
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,418.81	25.56
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,461.49	25.56
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,546.84	25.56
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	1,045.38	25.56
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	1,120.06	25.56
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	1,162.74	25.56
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	1,205.42	25.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	1,290.78	25.56
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	1,045.38	25.56
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	1,120.06	25.56
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	1,162.74	25.56
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	1,205.42	25.56
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0253	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	1,290.78	25.56
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	746.63	25.56
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	821.32	25.56
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	864.00	25.56
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	906.67	25.56
10 28 13 13-0258	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	992.03	25.56
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	746.63	25.56
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	821.32	25.56
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	864.00	25.56
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	906.67	25.56
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	992.03	25.56
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	533.24	25.56
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	607.93	25.56
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	693.28	25.56

10 28 13 13-0267 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	1,075.26	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	1,528.01	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	1,267.51	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,593.14	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	1,365.20	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,690.83	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	1,365.20	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,690.83	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	1,267.51	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,593.14	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	1,137.26	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	1,462.89	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	1,075.26	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	1,528.01	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	1,267.51	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,593.14	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	1,365.20	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,690.83	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	1,365.20	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,690.83	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	1,267.51	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,593.14	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	1,137.26	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	1,462.89	25.56
		For ADA-Compliant Recess Kit, Add	*164.34*	
10 28 13 13-0292		Additional Accessories *(10 28 13 13-0001)*		
10 28 13 13-0293		Hooks *(10 28 13 13-0292)*		
10 28 13 13-0294	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	36.01	13.34
10 28 13 13-0295	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	42.23	13.34
10 28 13 13-0296	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	36.57	13.34
10 28 13 13-0297	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	39.35	13.34
10 28 13 13-0298	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	62.58	13.34
10 28 13 13-0299	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	56.92	13.34
10 28 13 13-0300		Clotheslines *(10 28 13 13-0292)*		
10 28 13 13-0301	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	62.95	26.68
10 28 13 13-0302		Towel Bars *(10 28 13 13-0292)*		
10 28 13 13-0303	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	77.97	30.01
10 28 13 13-0304	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	78.19	30.01
10 28 13 13-0305	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	86.48	30.01
10 28 13 13-0306	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	87.27	30.01
10 28 13 13-0307	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	123.64	30.01
10 28 13 13-0308	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	128.44	30.01
10 28 13 13-0309	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	127.32	30.01
10 28 13 13-0310	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674 or B-6747)	131.27	30.01
10 28 13 13-0311	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	138.35	30.01
10 28 13 13-0312	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	142.55	30.01
10 28 13 13-0313	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	107.53	30.01
10 28 13 13-0314	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	111.20	30.01
10 28 13 13-0315		Towel Bar With Shelf *(10 28 13 13-0292)*		
10 28 13 13-0316	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	231.07	30.01
10 28 13 13-0317		Towel Pins *(10 28 13 13-0292)*		
10 28 13 13-0318	EA	Stainless Steel Towel Pin (Bobrick B-677)	60.61	13.34
10 28 13 13-0319		Mirrors *(10 28 13 13)*		
10 28 13 13-0320		Stainless Steel Channel Frame Glass Mirrors *(10 28 13 13-0319)*		
10 28 13 13-0321	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	136.86	33.35
10 28 13 13-0322	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	154.70	33.35
10 28 13 13-0323	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	160.88	33.35
		For Tempered Glass (B-1658), Add	*51.91*	
10 28 13 13-0324	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	173.56	33.35
		For Tempered Glass (B-1658), Add	*60.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0325	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	189.82	33.35
10 28 13 13-0326	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	196.66	33.35
		For Tempered Glass (B-1658), Add	*76.96*	
10 28 13 13-0327	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	241.54	33.35
10 28 13 13-0328	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	278.30	33.35
10 28 13 13-0329	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	334.47	33.35
10 28 13 13-0330	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	419.78	33.35
10 28 13 13-0331	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	471.61	33.35
10 28 13 13-0332		**Stainless Steel Channel Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0319)*		
10 28 13 13-0333	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	249.99	33.35
10 28 13 13-0334	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	269.18	33.35
10 28 13 13-0335	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	281.87	33.35
10 28 13 13-0336	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	317.65	33.35
10 28 13 13-0337		**Stainless Steel Angle Frame Glass Mirrors** *(10 28 13 13-0319)*		
10 28 13 13-0338	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	222.96	33.35
10 28 13 13-0339	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	244.14	33.35
		For Tempered Glass (B-2908), Add	*103.90*	
10 28 13 13-0340	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	251.29	33.35
		For Tempered Glass (B-2908), Add	*108.62*	
10 28 13 13-0341	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	293.58	33.35
10 28 13 13-0342	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	295.20	33.35
		For Tempered Glass (B-2908), Add	*137.60*	
10 28 13 13-0343	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	393.10	33.35
10 28 13 13-0344	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	461.40	33.35
10 28 13 13-0345	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	525.16	33.35
10 28 13 13-0346	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	351.54	33.35
10 28 13 13-0347	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	427.54	33.35
10 28 13 13-0348	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	652.36	33.35
10 28 13 13-0349		**Stainless Steel Angle Frame Glass Mirror/Shelf Combination** *(10 28 13 13-0319)*		
10 28 13 13-0350	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	230.37	33.35
10 28 13 13-0351	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	450.02	33.35
10 28 13 13-0352	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	471.50	33.35
10 28 13 13-0353	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	525.16	33.35
10 28 13 13-0354		**Frameless Stainless Steel Mirrors** *(10 28 13 13-0319)*		
10 28 13 13-0355	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	249.34	33.35
10 28 13 13-0356	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	321.21	33.35
10 28 13 13-0357		**Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors** *(10 28 13 13-0319)*		
10 28 13 13-0358	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	337.48	33.35
10 28 13 13-0359	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	351.48	33.35
10 28 13 13-0360	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	424.66	33.35
10 28 13 13-0361	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	521.25	33.35
10 28 13 13-0362		**Medicine Cabinets** *(10 28 13 13)*		
10 28 13 13-0363		**Metal Medicine Cabinets** *(10 28 13 13-0362)*		
10 28 13 13-0364	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	270.92	66.70
10 28 13 13-0365	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	276.33	66.70
10 28 13 13-0366	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	284.38	66.70
10 28 13 13-0367	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	591.12	66.70
10 28 13 13-0368	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	801.74	66.70
10 28 13 13-0369		**Janitorial Material** *(10 28 13 13)*		
10 28 13 13-0370	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	56.92	13.34
10 28 13 13-0371	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	146.54	30.01
10 28 13 13-0372	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	141.46	30.01
10 28 13 13-0373	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	159.36	30.01
10 28 13 13-0374	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	177.07	30.01
10 28 13 13-0375	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	121.58	30.01
10 28 13 13-0376	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	320.12	30.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0377	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	456.68	30.01
10 28 13 13-0378		Removal And Reinstallation Of Bathroom Accessories *(10 28 13 13)*		
10 28 13 13-0379	EA	Removal And Reinstallation Of Bathroom Accessory	41.70	
10 28 13 63		**Detention Toilet Accessories** *(10 28 13)*		
10 28 13 63-0001		Ligature Resistant, Stainless Steel Grab Bar *(10 28 13 63)*		
10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	212.11	26.68
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	221.43	26.68
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	227.63	26.68
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	251.43	26.68
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	504.13	26.68
10 28 16		**Bath Accessories** *(10 28)*		
10 28 16 13		**Residential Bath Accessories** *(10 28 16)*		
10 28 16 13-0001		Residential Toilet Accessories *(10 28 16 13)*		
10 28 16 13-0002		Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0003	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	147.37	30.01
10 28 16 13-0004	EA	Recessed Mounted, Chrome Plated Soap Dish	219.06	30.01
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	233.64	30.01
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Tumbler Holder	153.54	30.01
10 28 16 13-0007		Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0008	EA	Surface Mounted, Chrome Plated Soap Dish	98.26	20.01
10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Single Clothes Hook	114.51	20.01
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Double Clothes Hook	114.51	20.01
10 28 16 13-0011	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	241.21	20.01
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	200.32	20.01
10 28 16 13-0013	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	126.17	26.68
10 28 16 13-0014	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	128.00	26.68
10 28 16 13-0015	EA	Surface Mounted, Chrome Plated Towel Ring	94.25	20.01
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	84.91	13.34
10 28 16 13-0017	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	98.26	20.01
10 28 16 13-0018	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	207.21	20.01
10 28 16 13-0019	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	120.12	20.01
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Towel Pin	127.48	13.34
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	401.86	20.01
10 28 16 13-0022	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	192.34	20.01
10 28 16 13-0023	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	94.69	20.01
10 28 16 13-0024		Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)*		
		Note: Surface or recessed mounted, premium quality.		
10 28 16 13-0025	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	345.14	66.70
10 28 16 13-0026	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	444.86	66.70
10 28 16 13-0027	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	361.67	66.70
10 28 16 13-0028	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	467.41	66.70
10 28 16 13-0029	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	372.09	66.70
10 28 16 13-0030	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	487.21	66.70
10 28 16 13-0031	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	386.41	66.70
10 28 16 13-0032	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	511.42	66.70
10 28 16 13-0033		Residential Toilet Accessories *(10 28 16 13-0001)*		
10 28 16 13-0034	EA	Surface Mounted Plastic Paper Towel Dispenser	125.48	30.01
10 28 16 13-0035	EA	Surface Mounted Plastic Napkin Disposal	111.03	30.01
10 28 16 13-0036	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	116.13	
10 28 16 13-0037	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	131.43	30.01
10 28 16 13-0038	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	125.53	30.01
10 28 16 13-0039	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	153.79	36.69
10 28 16 13-0040	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	85.71	26.68
10 28 16 13-0041	EA	13 Gallon Plastic Waste Door For Countertops	295.56	50.03
10 28 19		**Tub and Shower Enclosures** *(10 28)*		
10 28 19 16		**Shower Doors** *(10 28 19)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	573.96	61.45
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	603.51	30.73
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	726.09	30.73
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	600.37	30.73
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	642.23	30.73
10 28 19 16-0008		Frameless, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	889.24	30.73
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	930.21	30.73
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	968.76	30.73
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	1,009.73	30.73
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	1,049.50	30.73
10 28 19 16-0014		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0015		Framed, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	968.85	30.73
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	885.94	30.73
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	908.27	30.73
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	932.02	30.73
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	945.27	30.73
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	964.88	30.73
10 28 19 16-0022		Frameless, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	1,005.15	30.73
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	1,230.69	30.73
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	1,306.60	30.73
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	1,177.83	30.73
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	1,194.45	30.73
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	1,348.93	30.73
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		Sliding Bathtub Doors *(10 28 19 19)*		
10 28 19 19-0002		Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	861.01	30.73
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	870.57	30.73
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	892.17	30.73

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001		Fire Department Plan Cabinets (Knox) *(10 41 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,767.96	43.35
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*59.98*	
		For Swing Key Hook Panel, Add	*158.98*	
		For Non-Locking Weather Housing, Add	*399.93*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,874.37	43.35
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*59.98*	
		For Swing Key Hook Panel, Add	*158.98*	
		For Second Swing Key Hook Panel, Add	*125.98*	
		For Non-Locking Weather Housing, Add	*399.93*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	884.80	43.35
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	778.39	43.35
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*64.88*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	1,039.09	43.35
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*64.88*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	1,105.59	43.35
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*64.88*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	442.15	54.70
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	449.94	54.70
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	451.49	54.70
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	499.78	54.70
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	625.95	54.70
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	643.08	54.70

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	423.23	54.70
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	429.33	54.70
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	439.50	54.70
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	456.79	54.70
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	510.16	54.70
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	526.43	54.70

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	579.21	54.70
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	592.98	54.70
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	599.87	54.70
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	646.92	54.70
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	741.64	54.70
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	770.33	54.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0024		Bronze Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,770.13	54.70
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,783.30	54.70
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	2,051.79	54.70
10 44 13 00-0028		Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	543.39	54.70
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	602.58	54.70
10 44 13 00-0031		Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0032		Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	484.20	54.70
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	499.78	54.70
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	501.34	54.70
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	554.30	54.70
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	660.22	54.70
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet	677.35	54.70
10 44 13 00-0039		Aluminum Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	468.47	54.70
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	483.72	54.70
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	492.87	54.70
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	510.16	54.70
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	570.16	54.70
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Aluminum Fire Extinguisher Cabinet	584.39	54.70
10 44 13 00-0046		Stainless Steel Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	639.51	54.70
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	655.58	54.70
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	662.46	54.70
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	698.04	54.70
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	786.40	54.70
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Stainless Steel Fire Extinguisher Cabinet	805.91	54.70
10 44 13 00-0053		Bronze Door And Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,239.05	54.70
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,250.10	54.70
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi-Recessed Bronze Fire Extinguisher Cabinet	2,583.59	54.70
10 44 13 00-0057		Acrylic Bubble Door And Steel Trim, Semi-Recessed Fire Extinguisher Cabinets *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	599.47	54.70
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi-Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	655.54	54.70
10 44 13 00-0060		Surface Mounted Fire Extinguisher Cabinets *(10 44 13 00-0001)*		
10 44 13 00-0061		Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	471.74	54.70
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	481.09	54.70
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	555.85	54.70
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	647.75	54.70
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	672.68	54.70
10 44 13 00-0067		Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	565.07	54.70
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	578.29	54.70
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	607.78	54.70
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	665.74	54.70
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	690.15	54.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0073		**Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	739.35	54.70
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	761.15	54.70
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	815.09	54.70
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	919.52	54.70
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	951.65	54.70
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,573.18	54.70
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	2,904.12	54.70
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	565.20	54.70
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	633.74	54.70
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	873.61	54.70
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	45.31	16.68
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	41.13	16.68
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	38.58	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	120.51	33.35
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	238.02	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	261.82	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	357.03	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	487.94	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	571.25	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	138.05	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	142.81	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	190.42	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	345.13	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	349.89	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	130.71	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	137.25	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	185.17	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	326.78	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	331.13	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	657.01	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	669.30	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	679.54	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	689.79	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	702.07	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	734.82	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	745.07	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0116		**Aluminum Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	713.76	146.29
		For Solid Aluminum Door, Add	*6.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	733.56	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	736.13	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	744.36	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	755.16	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	785.75	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	816.35	146.29
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	948.66	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,051.10	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,060.96	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,092.48	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,102.33	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,153.55	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,204.78	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	689.79	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	702.07	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	712.29	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	724.58	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	734.82	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	767.57	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Steel Fire Hose Cabinet	779.85	146.29
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	733.56	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	755.16	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	758.24	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	764.16	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	774.95	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	805.55	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Aluminum Fire Hose Cabinet	836.15	146.29
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0149 Stainless Steel Door And Trim, Semi-Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,009.73	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,122.03	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,131.88	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,163.40	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,173.25	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,224.48	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi-Recessed Stainless Steel Fire Hose Cabinet	1,275.70	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	702.07	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	712.29	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	724.58	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	734.82	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	745.07	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	779.85	146.29
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	790.10	146.29
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	785.75	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	805.55	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	810.69	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	816.35	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	825.35	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	857.75	146.29
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	877.55	146.29
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,092.48	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,419.53	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,502.27	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,521.97	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,541.68	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,624.42	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,726.87	146.29
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	184.11	17.34
		For >5 To 10, Deduct	*-4.76*	
		For >10, Deduct	*-9.52*	
		For Placement In Cabinet, Deduct	*-44.47*	
10 44 16 13-0003	EA	5 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	259.92	20.01
		For >5 To 10, Deduct	*-7.86*	
		For >10, Deduct	*-15.73*	
		For Placement In Cabinet, Deduct	*-51.32*	
10 44 16 13-0004	EA	10 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	338.05	25.35
		For >5 To 10, Deduct	*-10.23*	
		For >10, Deduct	*-20.46*	
		For Placement In Cabinet, Deduct	*-66.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0005	EA	15 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	417.05	32.02
		For >5 To 10, Deduct	*-12.51*	
		For >10, Deduct	*-25.03*	
		For Placement In Cabinet, Deduct	*-83.38*	
10 44 16 13-0006	EA	20 Lb. Carbon Dioxide, Type BC Portable Fire Extinguisher	457.94	32.02
		For >5 To 10, Deduct	*-14.56*	
		For >10, Deduct	*-29.12*	
		For Placement In Cabinet, Deduct	*-83.38*	
10 44 16 13-0007	EA	50 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	1,382.08	50.69
		For >5 To 10, Deduct	*-55.76*	
		For >10, Deduct	*-111.53*	
10 44 16 13-0008	EA	100 Lb. Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,625.14	50.69
		For >5 To 10, Deduct	*-117.92*	
		For >10, Deduct	*-235.83*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	125.23	17.34
		For >5 To 10, Deduct	*-1.81*	
		For >10, Deduct	*-3.63*	
		For Placement In Cabinet, Deduct	*-44.47*	
10 44 16 13-0011	EA	5 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	154.09	20.01
		For >5 To 10, Deduct	*-2.57*	
		For >10, Deduct	*-5.15*	
		For Placement In Cabinet, Deduct	*-51.32*	
10 44 16 13-0012	EA	10 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	215.34	25.35
		For >5 To 10, Deduct	*-4.10*	
		For >10, Deduct	*-8.19*	
		For Placement In Cabinet, Deduct	*-66.71*	
10 44 16 13-0013	EA	20 Lb. Dry Chemical, Type ABC Portable Fire Extinguisher	295.71	32.02
		For >5 To 10, Deduct	*-6.45*	
		For >10, Deduct	*-12.90*	
		For Placement In Cabinet, Deduct	*-83.38*	
10 44 16 13-0014	EA	50 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	1,639.21	50.69
		For >5 To 10, Deduct	*-68.62*	
		For >10, Deduct	*-137.24*	
10 44 16 13-0015	EA	125 Lb. Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,390.83	50.69
		For >5 To 10, Deduct	*-106.20*	
		For >10, Deduct	*-212.40*	

10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	208.18	20.01
		For >5 To 10, Deduct	*-5.28*	
		For >10, Deduct	*-10.56*	
		For Placement In Cabinet, Deduct	*-51.32*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	319.10	32.02
		For >5 To 10, Deduct	*-7.62*	
		For >10, Deduct	*-15.23*	
		For Placement In Cabinet, Deduct	*-83.38*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	335.69	32.02
		For >5 To 10, Deduct	*-8.45*	
		For >10, Deduct	*-16.89*	
		For Placement In Cabinet, Deduct	*-83.38*	
10 44 16 13-0020	EA	30 Lb. Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	450.34	32.02
		For >5 To 10, Deduct	*-14.18*	
		For >10, Deduct	*-28.36*	

10 44 16 13-0021 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0022 Fire Extinguisher Backboards *(10 44 16 13-0021)*

Note: Mounted to any wall. Includes anchors.

10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	140.11	22.83
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	201.41	

10 44 16 13-0025 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	7.61	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	11.19	

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	558.36	54.70
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	410.39	54.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 45 Photoluminescent Exit Specialties *(10 40)*

10 45 00 00-0001 Photoluminescent Illuminated Egress Markings *(10 45)*

10 45 00 00-0002	LF	1" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	9.26	
		For Wall Applied, Add	*0.92*	
10 45 00 00-0003	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	9.83	
		For Wall Applied, Add	*0.92*	
10 45 00 00-0004	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape Applied To Floors Note: Peel and stick.	10.40	
		For Wall Applied, Add	*0.92*	
10 45 00 00-0005	LF	1-1/2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	9.83	
		For Wall Applied, Add	*0.92*	
10 45 00 00-0006	LF	2" Wide Egress / Exit Photoluminescent Path Marking Tape With Arrows Applied To Floors Note: Peel and stick.	10.96	
		For Wall Applied, Add	*0.92*	
10 45 00 00-0007	LF	1-1/2" Wide Egress Photoluminescent Danger Warning Marking Tape With Stripes Applied To Floors Note: Peel and stick.	11.68	
		For Wall Applied, Add	*0.92*	
10 45 00 00-0008	EA	1" Wide x 48" Long Photoluminescent Strip Exit Path Marking Applied To Floors Note: Self adhesive, high bond foam backing.	51.09	
10 45 00 00-0009	EA	1" Wide x 30" Long Aluminum Stair Nosing With Photoluminescent Strip Note: Self adhesive, high bond foam backing.	50.46	

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	287.68	41.35
		For >25 To 50, Deduct	*-10.25*	
		For >50 To 100, Deduct	*-21.74*	
		For >100, Deduct	*-33.23*	
		For 14 Gauge Doors, Add	*16.40*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	298.54	41.35
		For >25 To 50, Deduct	*-10.79*	
		For >50 To 100, Deduct	*-22.82*	
		For >100, Deduct	*-34.85*	
		For 14 Gauge Doors, Add	*17.27*	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	313.39	41.35
		For >25 To 50, Deduct	*-11.53*	
		For >50 To 100, Deduct	*-24.31*	
		For >100, Deduct	*-37.08*	
		For 14 Gauge Doors, Add	*18.45*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	312.88	42.69
		For >25 To 50, Deduct	*-11.38*	
		For >50 To 100, Deduct	*-24.03*	
		For >100, Deduct	*-36.69*	
		For 14 Gauge Doors, Add	*18.20*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	321.88	42.69
		For >25 To 50, Deduct	*-11.83*	
		For >50 To 100, Deduct	*-24.93*	
		For >100, Deduct	*-38.04*	
		For 14 Gauge Doors, Add	*18.92*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	330.66	42.69
		For >25 To 50, Deduct	*-12.26*	
		For >50 To 100, Deduct	*-25.81*	
		For >100, Deduct	*-39.35*	
		For 14 Gauge Doors, Add	*19.62*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	345.81	42.69
		For >25 To 50, Deduct	*-13.02*	
		For >50 To 100, Deduct	*-27.32*	
		For >100, Deduct	*-41.63*	
		For 14 Gauge Doors, Add	*20.83*	
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	360.80	42.69
		For >25 To 50, Deduct	*-13.77*	
		For >50 To 100, Deduct	*-28.82*	
		For >100, Deduct	*-43.87*	
		For 14 Gauge Doors, Add	*22.03*	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	376.69	42.69
		For >25 To 50, Deduct	*-14.57*	
		For >50 To 100, Deduct	*-30.41*	
		For >100, Deduct	*-46.26*	
		For 14 Gauge Doors, Add	*23.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	391.35	42.69
		For >25 To 50, Deduct	*-15.30*	
		For >50 To 100, Deduct	*-31.88*	
		For >100, Deduct	*-48.46*	
		For 14 Gauge Doors, Add	*24.48*	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	525.34	42.69
		For >25 To 50, Deduct	*-22.00*	
		For >50 To 100, Deduct	*-45.28*	
		For >100, Deduct	*-68.56*	
		For 14 Gauge Doors, Add	*35.20*	
10 51 13 00-0014		**Two Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
		Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	338.22	42.69
		For >25 To 50, Deduct	*-12.64*	
		For >50 To 100, Deduct	*-26.56*	
		For >100, Deduct	*-40.49*	
		For 14 Gauge Doors, Add	*27.81*	
10 51 13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	345.06	42.69
		For >25 To 50, Deduct	*-12.98*	
		For >50 To 100, Deduct	*-27.25*	
		For >100, Deduct	*-41.51*	
		For 14 Gauge Doors, Add	*28.56*	
10 51 13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	351.96	42.69
		For >25 To 50, Deduct	*-13.33*	
		For >50 To 100, Deduct	*-27.94*	
		For >100, Deduct	*-42.55*	
		For 14 Gauge Doors, Add	*29.32*	
10 51 13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	353.46	44.03
		For >25 To 50, Deduct	*-13.27*	
		For >50 To 100, Deduct	*-27.86*	
		For >100, Deduct	*-42.45*	
		For 14 Gauge Doors, Add	*29.19*	
10 51 13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	368.42	44.03
		For >25 To 50, Deduct	*-14.02*	
		For >50 To 100, Deduct	*-29.36*	
		For >100, Deduct	*-44.70*	
		For 14 Gauge Doors, Add	*30.84*	
10 51 13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	377.45	44.03
		For >25 To 50, Deduct	*-14.47*	
		For >50 To 100, Deduct	*-30.26*	
		For >100, Deduct	*-46.05*	
		For 14 Gauge Doors, Add	*31.83*	
10 51 13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	390.39	44.03
		For >25 To 50, Deduct	*-15.12*	
		For >50 To 100, Deduct	*-31.55*	
		For >100, Deduct	*-47.99*	
		For 14 Gauge Doors, Add	*33.26*	
10 51 13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	403.38	44.03
		For >25 To 50, Deduct	*-15.77*	
		For >50 To 100, Deduct	*-32.85*	
		For >100, Deduct	*-49.94*	
		For 14 Gauge Doors, Add	*34.69*	
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	462.20	44.03
		For >25 To 50, Deduct	*-18.71*	
		For >50 To 100, Deduct	*-38.73*	
		For >100, Deduct	*-58.76*	
		For 14 Gauge Doors, Add	*41.16*	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	472.88	44.03
		For >25 To 50, Deduct	*-19.24*	
		For >50 To 100, Deduct	*-39.80*	
		For >100, Deduct	*-60.36*	
		For 14 Gauge Doors, Add	*42.33*	
10 51 13 00-0025		**Three Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	395.83	45.36
		For >25 To 50, Deduct	*-15.26*	
		For >50 To 100, Deduct	*-31.87*	
		For >100, Deduct	*-48.49*	
		For 14 Gauge Doors, Add	*45.77*	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	402.86	45.36
		For >25 To 50, Deduct	*-15.61*	
		For >50 To 100, Deduct	*-32.57*	
		For >100, Deduct	*-49.54*	
		For 14 Gauge Doors, Add	*46.82*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	427.82	45.36
		For >25 To 50, Deduct	*-16.86*	
		For >50 To 100, Deduct	*-35.07*	
		For >100, Deduct	*-53.29*	
		For 14 Gauge Doors, Add	*50.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	451.73	45.36
		For >25 To 50, Deduct	*-18.05*	
		For >50 To 100, Deduct	*-37.46*	
		For >100, Deduct	*-56.87*	
		For 14 Gauge Doors, Add	*54.15*	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	470.77	45.36
		For >25 To 50, Deduct	*-19.00*	
		For >50 To 100, Deduct	*-39.37*	
		For >100, Deduct	*-59.73*	
		For 14 Gauge Doors, Add	*57.01*	
10 51 13 00-0031		**Four Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	389.11	46.69
		For >25 To 50, Deduct	*-14.79*	
		For >50 To 100, Deduct	*-30.97*	
		For >100, Deduct	*-47.16*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	401.37	46.69
		For >25 To 50, Deduct	*-15.40*	
		For >50 To 100, Deduct	*-32.20*	
		For >100, Deduct	*-49.00*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	421.09	46.69
		For >25 To 50, Deduct	*-16.39*	
		For >50 To 100, Deduct	*-34.17*	
		For >100, Deduct	*-51.96*	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	436.87	46.69
		For >25 To 50, Deduct	*-17.17*	
		For >50 To 100, Deduct	*-35.75*	
		For >100, Deduct	*-54.32*	
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	459.59	46.69
		For >25 To 50, Deduct	*-18.31*	
		For >50 To 100, Deduct	*-38.02*	
		For >100, Deduct	*-57.73*	
10 51 13 00-0037		**Six Tier Institutional Or Corridor Locker** *(10 51 13 00-0001)*		
10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	422.62	48.03
		For >25 To 50, Deduct	*-16.33*	
		For >50 To 100, Deduct	*-34.10*	
		For >100, Deduct	*-51.87*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	432.07	48.03
		For >25 To 50, Deduct	*-16.80*	
		For >50 To 100, Deduct	*-35.04*	
		For >100, Deduct	*-53.28*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	449.92	48.03
		For >25 To 50, Deduct	*-17.69*	
		For >50 To 100, Deduct	*-36.83*	
		For >100, Deduct	*-55.96*	
10 51 13 00-0041		**Locker And Coat Rack Combination** *(10 51 13 00-0001)*		
10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	766.84	32.02
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	1,230.23	66.70
10 51 13 00-0044		**Athletic Lockers** *(10 51 13)*		
		Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.		
10 51 13 00-0045		**Single Tier Athletic Locker** *(10 51 13 00-0044)*		
		Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0046	EA	12" x 15" x 60" Single Tier Athletic Locker	426.47	42.69
		For >25 To 50, Deduct	*-17.05*	
		For >50 To 100, Deduct	*-35.39*	
		For >100, Deduct	*-53.72*	
10 51 13 00-0047	EA	12" x 18" x 60" Single Tier Athletic Locker	440.88	42.69
		For >25 To 50, Deduct	*-17.78*	
		For >50 To 100, Deduct	*-36.83*	
		For >100, Deduct	*-55.89*	
10 51 13 00-0048	EA	15" x 15" x 60" Single Tier Athletic Locker	450.14	42.69
		For >25 To 50, Deduct	*-18.24*	
		For >50 To 100, Deduct	*-37.76*	
		For >100, Deduct	*-57.28*	
10 51 13 00-0049	EA	15" x 18" x 60" Single Tier Athletic Locker	465.52	42.69
		For >25 To 50, Deduct	*-19.01*	
		For >50 To 100, Deduct	*-39.29*	
		For >100, Deduct	*-59.58*	
10 51 13 00-0050	EA	18" x 18" x 60" Single Tier Athletic Locker	531.85	42.69
		For >25 To 50, Deduct	*-22.32*	
		For >50 To 100, Deduct	*-45.93*	
		For >100, Deduct	*-69.53*	
10 51 13 00-0051	EA	18" x 21" x 60" Single Tier Athletic Locker	584.60	42.69
		For >25 To 50, Deduct	*-24.96*	
		For >50 To 100, Deduct	*-51.20*	
		For >100, Deduct	*-77.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0052	EA	18" x 24" x 60" Single Tier Athletic Locker	620.67	42.69
		For >25 To 50, Deduct	*-26.76*	
		For >50 To 100, Deduct	*-54.81*	
		For >100, Deduct	*-82.85*	
10 51 13 00-0053	EA	12" x 15" x 72" Single Tier Athletic Locker	442.46	42.69
		For >25 To 50, Deduct	*-17.85*	
		For >50 To 100, Deduct	*-36.99*	
		For >100, Deduct	*-56.12*	
10 51 13 00-0054	EA	12" x 18" x 72" Single Tier Athletic Locker	468.41	42.69
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-39.58*	
		For >100, Deduct	*-60.02*	
10 51 13 00-0055	EA	15" x 15" x 72" Single Tier Athletic Locker	477.53	42.69
		For >25 To 50, Deduct	*-19.61*	
		For >50 To 100, Deduct	*-40.50*	
		For >100, Deduct	*-61.38*	
10 51 13 00-0056	EA	15" x 18" x 72" Single Tier Athletic Locker	494.18	42.69
		For >25 To 50, Deduct	*-20.44*	
		For >50 To 100, Deduct	*-42.16*	
		For >100, Deduct	*-63.88*	
10 51 13 00-0057	EA	18" x 18" x 72" Single Tier Athletic Locker	535.25	42.69
		For >25 To 50, Deduct	*-22.49*	
		For >50 To 100, Deduct	*-46.27*	
		For >100, Deduct	*-70.04*	
10 51 13 00-0058	EA	18" x 21" x 72" Single Tier Athletic Locker	578.30	42.69
		For >25 To 50, Deduct	*-24.65*	
		For >50 To 100, Deduct	*-50.57*	
		For >100, Deduct	*-76.50*	

10 51 13 00-0059 Two Tier Athletic Locker *(10 51 13 00-0044)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0060	EA	12" x 12" x 60" Two Tier Athletic Locker	477.26	44.03
		For >25 To 50, Deduct	*-19.46*	
		For >50 To 100, Deduct	*-40.24*	
		For >100, Deduct	*-61.02*	
10 51 13 00-0061	EA	12" x 15" x 60" Two Tier Athletic Locker	492.59	44.03
		For >25 To 50, Deduct	*-20.23*	
		For >50 To 100, Deduct	*-41.77*	
		For >100, Deduct	*-63.32*	
10 51 13 00-0062	EA	12" x 18" x 60" Two Tier Athletic Locker	509.85	44.03
		For >25 To 50, Deduct	*-21.09*	
		For >50 To 100, Deduct	*-43.50*	
		For >100, Deduct	*-65.91*	
10 51 13 00-0063	EA	15" x 15" x 60" Two Tier Athletic Locker	511.53	44.03
		For >25 To 50, Deduct	*-21.17*	
		For >50 To 100, Deduct	*-43.67*	
		For >100, Deduct	*-66.16*	
10 51 13 00-0064	EA	15" x 18" x 60" Two Tier Athletic Locker	515.12	44.03
		For >25 To 50, Deduct	*-21.35*	
		For >50 To 100, Deduct	*-44.03*	
		For >100, Deduct	*-66.70*	
10 51 13 00-0065	EA	18" x 18" x 60" Two Tier Athletic Locker	545.45	44.03
		For >25 To 50, Deduct	*-22.87*	
		For >50 To 100, Deduct	*-47.06*	
		For >100, Deduct	*-71.25*	
10 51 13 00-0066	EA	18" x 21" x 60" Two Tier Athletic Locker	567.66	44.03
		For >25 To 50, Deduct	*-23.98*	
		For >50 To 100, Deduct	*-49.28*	
		For >100, Deduct	*-74.58*	
10 51 13 00-0067	EA	18" x 24" x 60" Two Tier Athletic Locker	666.86	44.03
		For >25 To 50, Deduct	*-28.94*	
		For >50 To 100, Deduct	*-59.20*	
		For >100, Deduct	*-89.46*	
10 51 13 00-0068	EA	12" x 12" x 72" Two Tier Athletic Locker	493.86	44.03
		For >25 To 50, Deduct	*-20.29*	
		For >50 To 100, Deduct	*-41.90*	
		For >100, Deduct	*-63.51*	
10 51 13 00-0069	EA	12" x 15" x 72" Two Tier Athletic Locker	509.56	44.03
		For >25 To 50, Deduct	*-21.08*	
		For >50 To 100, Deduct	*-43.47*	
		For >100, Deduct	*-65.87*	
10 51 13 00-0070	EA	12" x 18" x 72" Two Tier Athletic Locker	530.97	44.03
		For >25 To 50, Deduct	*-22.15*	
		For >50 To 100, Deduct	*-45.61*	
		For >100, Deduct	*-69.08*	
10 51 13 00-0071	EA	15" x 15" x 72" Two Tier Athletic Locker	534.21	44.03
		For >25 To 50, Deduct	*-22.31*	
		For >50 To 100, Deduct	*-45.94*	
		For >100, Deduct	*-69.56*	
10 51 13 00-0072	EA	15" x 18" x 72" Two Tier Athletic Locker	551.81	44.03
		For >25 To 50, Deduct	*-23.19*	
		For >50 To 100, Deduct	*-47.70*	
		For >100, Deduct	*-72.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0073	EA	18" x 18" x 72" Two Tier Athletic Locker	573.42	44.03
		For >25 To 50, Deduct	*-24.27*	
		For >50 To 100, Deduct	*-49.86*	
		For >100, Deduct	*-75.45*	
10 51 13 00-0074	EA	18" x 21" x 72" Two Tier Athletic Locker	621.93	44.03
		For >25 To 50, Deduct	*-26.69*	
		For >50 To 100, Deduct	*-54.71*	
		For >100, Deduct	*-82.72*	
10 51 13 00-0075		**Three Tier Athletic Locker** *(10 51 13 00-0044)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0076	EA	12" x 12" x 60" Three Tier Athletic Locker	516.85	45.36
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-43.97*	
		For >100, Deduct	*-66.64*	
10 51 13 00-0077	EA	12" x 15" x 60" Three Tier Athletic Locker	541.70	45.36
		For >25 To 50, Deduct	*-22.55*	
		For >50 To 100, Deduct	*-46.46*	
		For >100, Deduct	*-70.37*	
10 51 13 00-0078	EA	12" x 18" x 60" Three Tier Athletic Locker	563.67	45.36
		For >25 To 50, Deduct	*-23.65*	
		For >50 To 100, Deduct	*-48.66*	
		For >100, Deduct	*-73.66*	
10 51 13 00-0079	EA	15" x 15" x 60" Three Tier Athletic Locker	578.59	45.36
		For >25 To 50, Deduct	*-24.39*	
		For >50 To 100, Deduct	*-50.15*	
		For >100, Deduct	*-75.90*	
10 51 13 00-0080	EA	15" x 18" x 60" Three Tier Athletic Locker	603.43	45.36
		For >25 To 50, Deduct	*-25.64*	
		For >50 To 100, Deduct	*-52.63*	
		For >100, Deduct	*-79.63*	
10 51 13 00-0081	EA	12" x 12" x 72" Three Tier Athletic Locker	545.15	45.36
		For >25 To 50, Deduct	*-22.72*	
		For >50 To 100, Deduct	*-46.80*	
		For >100, Deduct	*-70.89*	
10 51 13 00-0082	EA	12" x 15" x 72" Three Tier Athletic Locker	567.60	45.36
		For >25 To 50, Deduct	*-23.84*	
		For >50 To 100, Deduct	*-49.05*	
		For >100, Deduct	*-74.25*	
10 51 13 00-0083	EA	12" x 18" x 72" Three Tier Athletic Locker	598.56	45.36
		For >25 To 50, Deduct	*-25.39*	
		For >50 To 100, Deduct	*-52.14*	
		For >100, Deduct	*-78.90*	
10 51 13 00-0084	EA	15" x 15" x 72" Three Tier Athletic Locker	614.41	45.36
		For >25 To 50, Deduct	*-26.18*	
		For >50 To 100, Deduct	*-53.73*	
		For >100, Deduct	*-81.28*	
10 51 13 00-0085	EA	15" x 18" x 72" Three Tier Athletic Locker	638.19	45.36
		For >25 To 50, Deduct	*-27.37*	
		For >50 To 100, Deduct	*-56.11*	
		For >100, Deduct	*-84.84*	
10 51 13 00-0086		**Four Tier Athletic Locker** *(10 51 13 00-0044)*		
10 51 13 00-0087	EA	12" x 12" x 60" Four Tier Athletic Locker	477.13	46.69
		For >25 To 50, Deduct	*-19.19*	
		For >50 To 100, Deduct	*-39.77*	
		For >100, Deduct	*-60.36*	
10 51 13 00-0088	EA	12" x 15" x 60" Four Tier Athletic Locker	507.56	46.69
		For >25 To 50, Deduct	*-20.71*	
		For >50 To 100, Deduct	*-42.82*	
		For >100, Deduct	*-64.93*	
10 51 13 00-0089	EA	12" x 18" x 60" Four Tier Athletic Locker	538.00	46.69
		For >25 To 50, Deduct	*-22.23*	
		For >50 To 100, Deduct	*-45.86*	
		For >100, Deduct	*-69.49*	
10 51 13 00-0090	EA	15" x 15" x 60" Four Tier Athletic Locker	550.43	46.69
		For >25 To 50, Deduct	*-22.85*	
		For >50 To 100, Deduct	*-47.10*	
		For >100, Deduct	*-71.36*	
10 51 13 00-0091	EA	15" x 18" x 60" Four Tier Athletic Locker	600.43	46.69
		For >25 To 50, Deduct	*-25.35*	
		For >50 To 100, Deduct	*-52.10*	
		For >100, Deduct	*-78.86*	
10 51 13 00-0092	EA	12" x 12" x 72" Four Tier Athletic Locker	508.09	46.69
		For >25 To 50, Deduct	*-20.74*	
		For >50 To 100, Deduct	*-42.87*	
		For >100, Deduct	*-65.01*	
10 51 13 00-0093	EA	12" x 15" x 72" Four Tier Athletic Locker	538.97	46.69
		For >25 To 50, Deduct	*-22.28*	
		For >50 To 100, Deduct	*-45.96*	
		For >100, Deduct	*-69.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0094	EA	12" x 18" x 72" Four Tier Athletic Locker	569.83	46.69
		For >25 To 50, Deduct	*-23.82*	
		For >50 To 100, Deduct	*-49.04*	
		For >100, Deduct	*-74.27*	
10 51 13 00-0095	EA	15" x 15" x 72" Four Tier Athletic Locker	585.64	46.69
		For >25 To 50, Deduct	*-24.61*	
		For >50 To 100, Deduct	*-50.63*	
		For >100, Deduct	*-76.64*	
10 51 13 00-0096	EA	15" x 18" x 72" Four Tier Athletic Locker	597.50	46.69
		For >25 To 50, Deduct	*-25.21*	
		For >50 To 100, Deduct	*-51.81*	
		For >100, Deduct	*-78.42*	
10 51 13 00-0097		**Six Tier Athletic Locker** *(10 51 13 00-0044)*		
10 51 13 00-0098	EA	12" x 12" x 72" Six Tier Athletic Locker	562.69	48.03
		For >25 To 50, Deduct	*-23.33*	
		For >50 To 100, Deduct	*-48.10*	
		For >100, Deduct	*-72.88*	
10 51 13 00-0099	EA	12" x 15" x 72" Six Tier Athletic Locker	586.40	48.03
		For >25 To 50, Deduct	*-24.52*	
		For >50 To 100, Deduct	*-50.47*	
		For >100, Deduct	*-76.43*	
10 51 13 00-0100	EA	12" x 18" x 72" Six Tier Athletic Locker	610.07	48.03
		For >25 To 50, Deduct	*-25.70*	
		For >50 To 100, Deduct	*-52.84*	
		For >100, Deduct	*-79.98*	
10 51 13 00-0101	EA	12" x 21" x 72" Six Tier Athletic Locker	696.47	48.03
		For >25 To 50, Deduct	*-30.02*	
		For >50 To 100, Deduct	*-61.48*	
		For >100, Deduct	*-92.94*	
10 51 13 00-0102		**Metal Locker Accessories** *(10 51 13)*		
10 51 13 00-0103		**Locker Slope Tops** *(10 51 13 00-0102)*		
10 51 13 00-0104		**16 Gauge Continuous Sloping Hood** *(10 51 13 00-0103)*		
10 51 13 00-0105	LF	12" Deep, 16 Gauge Continuous Slope Top	35.96	5.34
10 51 13 00-0106	LF	15" Deep, 16 Gauge Continuous Slope Top	30.57	5.34
10 51 13 00-0107	LF	18" Deep, 16 Gauge Continuous Slope Top	41.49	5.34
10 51 13 00-0108	LF	21" Deep, 16 Gauge Continuous Slope Top	45.69	5.34
10 51 13 00-0109	LF	24" Deep, 16 Gauge Continuous Slope Top	47.66	5.34
10 51 13 00-0110		**16 Gauge Slope Top Corner Fillers** *(10 51 13 00-0103)*		
10 51 13 00-0111	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	144.40	5.34
10 51 13 00-0112	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	147.46	5.34
10 51 13 00-0113	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	150.51	5.34
10 51 13 00-0114	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	154.20	5.34
10 51 13 00-0115	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	157.86	5.34
10 51 13 00-0116		**20 Gauge Individual Slope Top** *(10 51 13 00-0103)*		
10 51 13 00-0117	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	31.10	5.34
10 51 13 00-0118	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	30.90	5.34
10 51 13 00-0119	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	34.23	5.34
10 51 13 00-0120	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	34.23	5.34
10 51 13 00-0121	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	35.02	5.34
10 51 13 00-0122	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	38.16	5.34
10 51 13 00-0123	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	38.16	5.34
10 51 13 00-0124	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	42.29	5.34
10 51 13 00-0125	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	47.21	5.34
10 51 13 00-0126		**Continuous Slope Top End Closures** *(10 51 13 00-0103)*		
10 51 13 00-0127	PR	12" Deep, Continuous Slope Top End Closures	33.06	5.34
10 51 13 00-0128	PR	15" Deep, Continuous Slope Top End Closures	28.31	5.34
10 51 13 00-0129	PR	18" Deep, Continuous Slope Top End Closures	36.97	5.34
10 51 13 00-0130	PR	21" Deep, Continuous Slope Top End Closures	38.95	5.34
10 51 13 00-0131	PR	24" Deep, Continuous Slope Top End Closures	40.29	5.34
10 51 13 00-0132		**Individual Slope Top End Closures** *(10 51 13 00-0103)*		
10 51 13 00-0133	EA	12" Deep, Individual Slope Top End Closures	21.87	5.34
10 51 13 00-0134	EA	15" Deep, Individual Slope Top End Closures	22.48	5.34
10 51 13 00-0135	EA	18" Deep, Individual Slope Top End Closures	23.85	5.34
10 51 13 00-0136	EA	21" Deep, Individual Slope Top End Closures	24.80	5.34
10 51 13 00-0137	EA	24" Deep, Individual Slope Top End Closures	34.48	5.34
10 51 13 00-0138		**Locker Base** *(10 51 13 00-0102)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0139		**Closed Front Base** *(10 51 13 00-0138)*		
10 51 13 00-0140	EA	12" Wide, 6" High Closed Front Base	22.92	5.34
10 51 13 00-0141	EA	15" Wide, 6" High Closed Front Base	23.95	5.34
10 51 13 00-0142	EA	18" Wide, 6" High Closed Front Base	26.08	5.34
10 51 13 00-0143	EA	24" Wide, 6" High Closed Front Base	27.11	5.34
10 51 13 00-0144		**Closed End Base** *(10 51 13 00-0138)*		
10 51 13 00-0145	EA	12" Deep, 6" High Closed End Base	25.76	5.34
10 51 13 00-0146	EA	15" Deep, 6" High Closed End Base	25.94	5.34
10 51 13 00-0147	EA	18" Deep, 6" High Closed End Base	27.33	5.34
10 51 13 00-0148	EA	21" Deep, 6" High Closed End Base	28.69	5.34
10 51 13 00-0149	EA	24" Deep, 6" High Closed End Base	30.55	5.34
10 51 13 00-0150		**Recessed Continuous Front "Z" Base** *(10 51 13 00-0138)*		
10 51 13 00-0151	LF	4" High Recessed Continuous Front "Z" Base	26.62	4.00
10 51 13 00-0152		**"Z" Base Ends Or Splice** *(10 51 13 00-0138)*		
10 51 13 00-0153	EA	12" Wide, 4" High Z-Base Ends Or Splice	26.87	5.34
10 51 13 00-0154	EA	15" Wide, 4" High Z-Base Ends Or Splice	30.90	5.34
10 51 13 00-0155	EA	18" Wide, 4" High Z-Base Ends Or Splice	35.02	5.34
10 51 13 00-0156	EA	21" Wide, 4" High Z-Base Ends Or Splice	39.35	5.34
10 51 13 00-0157	EA	24" Wide, 4" High Z-Base Ends Or Splice	43.66	5.34
10 51 13 00-0158		**Locker Front Fillers And End Panels** *(10 51 13 00-0102)*		
10 51 13 00-0159		**Locker Front Fillers** *(10 51 13 00-0158)*		
10 51 13 00-0160	EA	6" Wide x 48" High, 16 Gauge Front Filler	34.93	6.67
10 51 13 00-0161	EA	12" Wide x 48" High, 16 Gauge Front Filler	55.53	6.67
10 51 13 00-0162	EA	6" Wide x 60" High, 16 Gauge Front Filler	43.39	6.67
10 51 13 00-0163	EA	12" Wide x 60" High, 16 Gauge Front Filler	66.08	6.67
10 51 13 00-0164	EA	6" Wide x 66" High, 16 Gauge Front Filler	47.09	6.67
10 51 13 00-0165	EA	12" Wide x 66" High, 16 Gauge Front Filler	52.70	6.67
10 51 13 00-0166	EA	6" Wide x 72" High, 16 Gauge Front Filler	51.38	6.67
10 51 13 00-0167	EA	12" Wide x 72" High, 16 Gauge Front Filler	72.21	6.67
10 51 13 00-0168	EA	6" Wide x 78" High, 16 Gauge Front Filler	52.56	6.67
10 51 13 00-0169	EA	12" Wide x 78" High, 16 Gauge Front Filler	60.98	6.67
10 51 13 00-0170		**Locker End Panels** *(10 51 13 00-0158)*		
10 51 13 00-0171	EA	12" Deep x 48" High, 16 Gauge End Panel	56.11	5.34
10 51 13 00-0172	EA	15" Deep x 48" High, 16 Gauge End Panel	68.23	5.34
10 51 13 00-0173	EA	18" Deep x 48" High, 16 Gauge End Panel	79.89	5.34
10 51 13 00-0174	EA	12" Deep x 60" High, 16 Gauge End Panel	66.03	5.34
10 51 13 00-0175	EA	15" Deep x 60" High, 16 Gauge End Panel	74.73	5.34
10 51 13 00-0176	EA	18" Deep x 60" High, 16 Gauge End Panel	88.41	5.34
10 51 13 00-0177	EA	12" Deep x 72" High, 16 Gauge End Panel	77.60	5.34
10 51 13 00-0178	EA	15" Deep x 72" High, 16 Gauge End Panel	88.18	5.34
10 51 13 00-0179	EA	18" Deep x 72" High, 16 Gauge End Panel	102.25	5.34
10 51 13 00-0180	EA	21" Deep x 72" High, 16 Gauge End Panel	117.53	5.34
10 51 13 00-0181		**Locker Recessed Trim** *(10 51 13 00-0102)*		
10 51 13 00-0182	LF	3" Height, Top Trim For Recessed Lockers	11.92	2.66
10 51 13 00-0183	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	32.43	5.34
10 51 13 00-0184	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	48.74	5.34
10 51 13 00-0185	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	50.46	5.34
10 51 13 00-0186	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	52.18	5.34
10 51 13 00-0187	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	53.68	5.34
10 51 13 00-0188		**Locker Interior Accessories** *(10 51 13 00-0102)*		
10 51 13 00-0189		**Locker Coat Rods** *(10 51 13 00-0188)*		
10 51 13 00-0190	EA	12" Wide Coat Rod	18.08	5.34
10 51 13 00-0191	EA	15" Wide Coat Rod	19.68	5.34
10 51 13 00-0192	EA	18" Wide Coat Rod	21.10	5.34
10 51 13 00-0193	EA	24" Wide Coat Rod	22.36	5.34
10 51 13 00-0194		**Locker Hat Shelf** *(10 51 13 00-0188)*		
10 51 13 00-0195	EA	12" Wide Hat Shelf	21.45	5.34
10 51 13 00-0196	EA	15" Wide Hat Shelf	24.91	5.34
10 51 13 00-0197	EA	18" Wide Hat Shelf	26.38	5.34
10 51 13 00-0198	EA	24" Wide Hat Shelf	32.15	5.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0199		**Locker ADA Compliant Shelf** *(10 51 13 00-0188)*		
10 51 13 00-0200	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	41.37	6.67
10 51 13 00-0201		**Other Interior Locker Accessories** *(10 51 13 00-0188)*		
10 51 13 00-0202	EA	3" x 10" Bent Plate Shoe Rack	53.81	5.34
10 51 13 00-0203	EA	8" x 10" Mirror	43.03	5.34
10 51 13 00-0204	EA	Additional Hook	13.38	5.34
10 51 13 00-0205		**Locker Locks** *(10 51 13 00-0102)*		
10 51 13 00-0206	EA	Built In Combination Lock	47.06	5.34
10 51 13 00-0207		**Steel Basket Racks Mounted On Concrete Base** *(10 51 13)* Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.		
10 51 13 00-0208	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	2,162.80	100.06
10 51 13 00-0209	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,852.72	100.06
10 51 13 00-0210		**All-Welded Steel Lockers** *(10 51 13)*		
10 51 13 00-0211		**All-Welded Steel Lockers** *(10 51 13 00-0210)* Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.		
10 51 13 00-0212		**Single Tier, All-Welded Steel Lockers** *(10 51 13 00-0211)* Note: Includes one hat shelf, two single hooks and one double hook.		
10 51 13 00-0213	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	194.21	23.35
		For >25 To 50, Deduct	*-8.04*	
		For >50 To 100, Deduct	*-16.59*	
		For >100, Deduct	*-25.13*	
10 51 13 00-0214	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	203.70	23.35
		For >25 To 50, Deduct	*-8.52*	
		For >50 To 100, Deduct	*-17.54*	
		For >100, Deduct	*-26.55*	
10 51 13 00-0215	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	212.85	23.35
		For >25 To 50, Deduct	*-8.98*	
		For >50 To 100, Deduct	*-18.45*	
		For >100, Deduct	*-27.93*	
10 51 13 00-0216	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	202.05	23.35
		For >25 To 50, Deduct	*-8.44*	
		For >50 To 100, Deduct	*-17.37*	
		For >100, Deduct	*-26.31*	
10 51 13 00-0217	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	211.19	23.35
		For >25 To 50, Deduct	*-8.89*	
		For >50 To 100, Deduct	*-18.28*	
		For >100, Deduct	*-27.68*	
10 51 13 00-0218	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	220.33	23.35
		For >25 To 50, Deduct	*-9.35*	
		For >50 To 100, Deduct	*-19.20*	
		For >100, Deduct	*-29.05*	
10 51 13 00-0219	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	213.84	25.68
		For >25 To 50, Deduct	*-8.86*	
		For >50 To 100, Deduct	*-18.27*	
		For >100, Deduct	*-27.67*	
10 51 13 00-0220	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	222.30	25.68
		For >25 To 50, Deduct	*-9.28*	
		For >50 To 100, Deduct	*-19.11*	
		For >100, Deduct	*-28.94*	
10 51 13 00-0221	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	231.44	25.68
		For >25 To 50, Deduct	*-9.74*	
		For >50 To 100, Deduct	*-20.03*	
		For >100, Deduct	*-30.31*	
10 51 13 00-0222	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	239.99	25.68
		For >25 To 50, Deduct	*-10.17*	
		For >50 To 100, Deduct	*-20.88*	
		For >100, Deduct	*-31.60*	
10 51 13 00-0223	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	247.04	25.68
		For >25 To 50, Deduct	*-10.52*	
		For >50 To 100, Deduct	*-21.59*	
		For >100, Deduct	*-32.65*	
10 51 13 00-0224	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	256.75	25.68
		For >25 To 50, Deduct	*-11.00*	
		For >50 To 100, Deduct	*-22.56*	
		For >100, Deduct	*-34.11*	
10 51 13 00-0225	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	267.68	25.68
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-23.65*	
		For >100, Deduct	*-35.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0226	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	432.30	25.68
		For >25 To 50, Deduct	*-19.78*	
		For >50 To 100, Deduct	*-40.11*	
		For >100, Deduct	*-60.44*	
10 51 13 00-0227		**Two Tier, All-Welded Steel Lockers** *(10 51 13 00-0211)*		
		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0228	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	231.68	23.35
		For >25 To 50, Deduct	*-9.92*	
		For >50 To 100, Deduct	*-20.33*	
		For >100, Deduct	*-30.75*	
10 51 13 00-0229	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	235.88	23.35
		For >25 To 50, Deduct	*-10.13*	
		For >50 To 100, Deduct	*-20.75*	
		For >100, Deduct	*-31.38*	
10 51 13 00-0230	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	247.14	23.35
		For >25 To 50, Deduct	*-10.69*	
		For >50 To 100, Deduct	*-21.88*	
		For >100, Deduct	*-33.07*	
10 51 13 00-0231	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	242.02	25.68
		For >25 To 50, Deduct	*-10.27*	
		For >50 To 100, Deduct	*-21.08*	
		For >100, Deduct	*-31.90*	
10 51 13 00-0232	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	257.54	25.68
		For >25 To 50, Deduct	*-11.04*	
		For >50 To 100, Deduct	*-22.64*	
		For >100, Deduct	*-34.23*	
10 51 13 00-0233	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	266.00	25.68
		For >25 To 50, Deduct	*-11.47*	
		For >50 To 100, Deduct	*-23.48*	
		For >100, Deduct	*-35.50*	
10 51 13 00-0234	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	278.06	25.68
		For >25 To 50, Deduct	*-12.07*	
		For >50 To 100, Deduct	*-24.69*	
		For >100, Deduct	*-37.31*	
10 51 13 00-0235	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	283.74	25.68
		For >25 To 50, Deduct	*-12.35*	
		For >50 To 100, Deduct	*-25.26*	
		For >100, Deduct	*-38.16*	
10 51 13 00-0236	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	300.10	25.68
		For >25 To 50, Deduct	*-13.17*	
		For >50 To 100, Deduct	*-26.89*	
		For >100, Deduct	*-40.61*	
10 51 13 00-0237	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	312.77	25.68
		For >25 To 50, Deduct	*-13.80*	
		For >50 To 100, Deduct	*-28.16*	
		For >100, Deduct	*-42.51*	
10 51 13 00-0238		**Three Tier, All-Welded Steel Lockers** *(10 51 13 00-0211)*		
		Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0239	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	285.74	25.68
		For >25 To 50, Deduct	*-12.45*	
		For >50 To 100, Deduct	*-25.46*	
		For >100, Deduct	*-38.46*	
10 51 13 00-0240	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	292.10	25.68
		For >25 To 50, Deduct	*-12.77*	
		For >50 To 100, Deduct	*-26.09*	
		For >100, Deduct	*-39.41*	
10 51 13 00-0241	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	298.42	25.68
		For >25 To 50, Deduct	*-13.09*	
		For >50 To 100, Deduct	*-26.72*	
		For >100, Deduct	*-40.36*	
10 51 13 00-0242	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	313.37	25.68
		For >25 To 50, Deduct	*-13.83*	
		For >50 To 100, Deduct	*-28.22*	
		For >100, Deduct	*-42.60*	
10 51 13 00-0243	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	316.13	25.68
		For >25 To 50, Deduct	*-13.97*	
		For >50 To 100, Deduct	*-28.49*	
		For >100, Deduct	*-43.02*	
10 51 13 00-0244		**Four Tier, All-Welded Steel Lockers** *(10 51 13 00-0211)*		
10 51 13 00-0245	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	270.66	25.68
		For >25 To 50, Deduct	*-11.70*	
		For >50 To 100, Deduct	*-23.95*	
		For >100, Deduct	*-36.20*	
10 51 13 00-0246	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	276.67	25.68
		For >25 To 50, Deduct	*-12.00*	
		For >50 To 100, Deduct	*-24.55*	
		For >100, Deduct	*-37.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0247	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	282.63	25.68
		For >25 To 50, Deduct	*-12.30*	
		For >50 To 100, Deduct	*-25.14*	
		For >100, Deduct	*-37.99*	
10 51 13 00-0248	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	296.70	25.68
		For >25 To 50, Deduct	*-13.00*	
		For >50 To 100, Deduct	*-26.55*	
		For >100, Deduct	*-40.10*	
10 51 13 00-0249	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	299.26	25.68
		For >25 To 50, Deduct	*-13.13*	
		For >50 To 100, Deduct	*-26.81*	
		For >100, Deduct	*-40.49*	

10 51 13 00-0250 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0211)*

10 51 13 00-0251	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	280.00	25.68
		For >25 To 50, Deduct	*-12.17*	
		For >50 To 100, Deduct	*-24.88*	
		For >100, Deduct	*-37.60*	
10 51 13 00-0252	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	288.77	25.68
		For >25 To 50, Deduct	*-12.60*	
		For >50 To 100, Deduct	*-25.76*	
		For >100, Deduct	*-38.91*	
10 51 13 00-0253	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	295.22	25.68
		For >25 To 50, Deduct	*-12.93*	
		For >50 To 100, Deduct	*-26.40*	
		For >100, Deduct	*-39.88*	

10 51 13 00-0254 All Welded Locker Accessories *(10 51 13 00-0210)*

10 51 13 00-0255	EA	ADA Requirements For All Welded Lockers	131.84	
10 51 13 00-0256	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	214.10	5.34
10 51 13 00-0257	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	248.00	5.34
10 51 13 00-0258	EA	Recessed Trim For All Welded Lockers	151.31	5.34
10 51 13 00-0259	EA	Built In Combination Lock For All Welded Lockers	47.06	5.34
10 51 13 00-0260	EA	Pad Lock For All Welded Lockers	42.07	5.34

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*

Note: Price per frame. High-density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	660.31	41.35
		For >50 To 100, Deduct	*-57.76*	
		For >100, Deduct	*-89.12*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	671.90	41.35
		For >50 To 100, Deduct	*-58.92*	
		For >100, Deduct	*-90.86*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	683.49	41.35
		For >50 To 100, Deduct	*-60.08*	
		For >100, Deduct	*-92.60*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	700.87	41.35
		For >50 To 100, Deduct	*-61.82*	
		For >100, Deduct	*-95.20*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	682.49	41.35
		For >50 To 100, Deduct	*-59.98*	
		For >100, Deduct	*-92.45*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	687.37	41.35
		For >50 To 100, Deduct	*-60.47*	
		For >100, Deduct	*-93.18*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	678.79	41.35
		For >50 To 100, Deduct	*-59.61*	
		For >100, Deduct	*-91.89*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	726.64	41.35
		For >50 To 100, Deduct	*-64.39*	
		For >100, Deduct	*-99.07*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	715.60	41.35
		For >50 To 100, Deduct	*-63.29*	
		For >100, Deduct	*-97.41*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	728.48	41.35
		For >50 To 100, Deduct	*-64.58*	
		For >100, Deduct	*-99.35*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	741.35	41.35
		For >50 To 100, Deduct	*-65.86*	
		For >100, Deduct	*-101.28*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	770.79	41.35
		For >50 To 100, Deduct	*-68.81*	
		For >100, Deduct	*-105.69*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	811.27	41.35
		For >50 To 100, Deduct	*-72.86*	
		For >100, Deduct	*-111.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	774.46	41.35
		For >50 To 100, Deduct	*-69.17*	
		For >100, Deduct	*-106.24*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	840.69	41.35
		For >50 To 100, Deduct	*-75.80*	
		For >100, Deduct	*-116.18*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	720.73	41.35
		For >50 To 100, Deduct	*-63.80*	
		For >100, Deduct	*-98.18*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	758.47	41.35
		For >50 To 100, Deduct	*-67.58*	
		For >100, Deduct	*-103.84*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	796.24	41.35
		For >50 To 100, Deduct	*-71.35*	
		For >100, Deduct	*-109.51*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	768.58	41.35
		For >50 To 100, Deduct	*-68.59*	
		For >100, Deduct	*-105.36*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	808.58	41.35
		For >50 To 100, Deduct	*-72.59*	
		For >100, Deduct	*-111.36*	
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	848.61	41.35
		For >50 To 100, Deduct	*-76.59*	
		For >100, Deduct	*-117.37*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	816.43	41.35
		For >50 To 100, Deduct	*-73.37*	
		For >100, Deduct	*-112.54*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	858.72	41.35
		For >50 To 100, Deduct	*-77.60*	
		For >100, Deduct	*-118.88*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	823.64	42.69
		For >50 To 100, Deduct	*-73.83*	
		For >100, Deduct	*-113.30*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	865.95	42.69
		For >50 To 100, Deduct	*-78.06*	
		For >100, Deduct	*-119.65*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	908.22	42.69
		For >50 To 100, Deduct	*-82.28*	
		For >100, Deduct	*-125.99*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	878.55	42.69
		For >50 To 100, Deduct	*-79.32*	
		For >100, Deduct	*-121.54*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	923.18	42.69
		For >50 To 100, Deduct	*-83.78*	
		For >100, Deduct	*-128.23*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	967.76	42.69
		For >50 To 100, Deduct	*-88.24*	
		For >100, Deduct	*-134.92*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	922.32	42.69
		For >50 To 100, Deduct	*-83.69*	
		For >100, Deduct	*-128.10*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	980.36	42.69
		For >50 To 100, Deduct	*-89.50*	
		For >100, Deduct	*-136.81*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	1,027.22	42.69
		For >50 To 100, Deduct	*-94.18*	
		For >100, Deduct	*-143.84*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	740.34	42.69
		For >50 To 100, Deduct	*-65.50*	
		For >100, Deduct	*-100.81*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	751.38	42.69
		For >50 To 100, Deduct	*-66.60*	
		For >100, Deduct	*-102.46*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	767.92	42.69
		For >50 To 100, Deduct	*-68.25*	
		For >100, Deduct	*-104.94*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	762.41	42.69
		For >50 To 100, Deduct	*-67.70*	
		For >100, Deduct	*-104.12*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	791.86	42.69
		For >50 To 100, Deduct	*-70.65*	
		For >100, Deduct	*-108.53*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	861.75	42.69
		For >50 To 100, Deduct	*-77.64*	
		For >100, Deduct	*-119.02*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	769.78	42.69
		For >50 To 100, Deduct	*-68.44*	
		For >100, Deduct	*-105.22*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	805.38	42.69
		For >50 To 100, Deduct	*-72.00*	
		For >100, Deduct	*-110.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	869.12	42.69
		For >50 To 100, Deduct	*-78.37*	
		For >100, Deduct	*-120.12*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	765.66	42.69
		For >50 To 100, Deduct	*-68.03*	
		For >100, Deduct	*-104.60*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	823.29	42.69
		For >50 To 100, Deduct	*-73.79*	
		For >100, Deduct	*-113.25*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	839.75	42.69
		For >50 To 100, Deduct	*-75.44*	
		For >100, Deduct	*-115.72*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	832.92	42.69
		For >50 To 100, Deduct	*-74.75*	
		For >100, Deduct	*-114.69*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	871.11	42.69
		For >50 To 100, Deduct	*-78.57*	
		For >100, Deduct	*-120.42*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	878.58	42.69
		For >50 To 100, Deduct	*-79.32*	
		For >100, Deduct	*-121.54*	
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	918.96	42.69
		For >50 To 100, Deduct	*-83.36*	
		For >100, Deduct	*-127.60*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	959.34	42.69
		For >50 To 100, Deduct	*-87.40*	
		For >100, Deduct	*-133.66*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	885.60	44.03
		For >50 To 100, Deduct	*-79.76*	
		For >100, Deduct	*-122.27*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	925.98	44.03
		For >50 To 100, Deduct	*-83.79*	
		For >100, Deduct	*-128.33*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	947.02	44.03
		For >50 To 100, Deduct	*-85.90*	
		For >100, Deduct	*-131.49*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	938.02	44.03
		For >50 To 100, Deduct	*-85.00*	
		For >100, Deduct	*-130.14*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	980.61	44.03
		For >50 To 100, Deduct	*-89.26*	
		For >100, Deduct	*-136.53*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,023.18	44.03
		For >50 To 100, Deduct	*-93.51*	
		For >100, Deduct	*-142.91*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	945.64	44.03
		For >50 To 100, Deduct	*-85.76*	
		For >100, Deduct	*-131.28*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,035.20	44.03
		For >50 To 100, Deduct	*-94.72*	
		For >100, Deduct	*-144.71*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	1,079.93	44.03
		For >50 To 100, Deduct	*-99.19*	
		For >100, Deduct	*-151.42*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	729.20	44.03
		For >50 To 100, Deduct	*-64.12*	
		For >100, Deduct	*-98.81*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	759.50	44.03
		For >50 To 100, Deduct	*-67.15*	
		For >100, Deduct	*-103.36*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	787.29	44.03
		For >50 To 100, Deduct	*-69.92*	
		For >100, Deduct	*-107.53*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	792.67	44.03
		For >50 To 100, Deduct	*-70.46*	
		For >100, Deduct	*-108.33*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	857.41	44.03
		For >50 To 100, Deduct	*-76.94*	
		For >100, Deduct	*-118.05*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	857.71	44.03
		For >50 To 100, Deduct	*-76.97*	
		For >100, Deduct	*-118.09*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	893.04	44.03
		For >50 To 100, Deduct	*-80.50*	
		For >100, Deduct	*-123.39*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	928.52	44.03
		For >50 To 100, Deduct	*-84.05*	
		For >100, Deduct	*-128.71*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	963.97	44.03
		For >50 To 100, Deduct	*-87.59*	
		For >100, Deduct	*-134.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	935.45	44.03
		For >50 To 100, Deduct	*-84.74*	
		For >100, Deduct	*-129.75*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	972.94	44.03
		For >50 To 100, Deduct	*-88.49*	
		For >100, Deduct	*-135.38*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,010.43	44.03
		For >50 To 100, Deduct	*-92.24*	
		For >100, Deduct	*-141.00*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	942.15	45.36
		For >50 To 100, Deduct	*-85.14*	
		For >100, Deduct	*-130.44*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	979.66	45.36
		For >50 To 100, Deduct	*-88.89*	
		For >100, Deduct	*-136.06*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,005.99	45.36
		For >50 To 100, Deduct	*-91.53*	
		For >100, Deduct	*-140.01*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	990.82	45.36
		For >50 To 100, Deduct	*-90.01*	
		For >100, Deduct	*-137.74*	
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,002.72	45.36
		For >50 To 100, Deduct	*-91.20*	
		For >100, Deduct	*-139.52*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,045.56	45.36
		For >50 To 100, Deduct	*-95.48*	
		For >100, Deduct	*-145.95*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	973.80	45.36
		For >50 To 100, Deduct	*-88.31*	
		For >100, Deduct	*-135.18*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,060.92	45.36
		For >50 To 100, Deduct	*-97.02*	
		For >100, Deduct	*-148.25*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	1,122.60	45.36
		For >50 To 100, Deduct	*-103.19*	
		For >100, Deduct	*-157.50*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	846.85	45.36
		For >50 To 100, Deduct	*-75.61*	
		For >100, Deduct	*-116.14*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	871.44	45.36
		For >50 To 100, Deduct	*-78.07*	
		For >100, Deduct	*-119.83*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	916.78	45.36
		For >50 To 100, Deduct	*-82.61*	
		For >100, Deduct	*-126.63*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	911.25	45.36
		For >50 To 100, Deduct	*-82.05*	
		For >100, Deduct	*-125.80*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	969.98	45.36
		For >50 To 100, Deduct	*-87.93*	
		For >100, Deduct	*-134.61*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	988.51	45.36
		For >50 To 100, Deduct	*-89.78*	
		For >100, Deduct	*-137.39*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	979.31	45.36
		For >50 To 100, Deduct	*-88.86*	
		For >100, Deduct	*-136.01*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,010.59	45.36
		For >50 To 100, Deduct	*-91.99*	
		For >100, Deduct	*-140.70*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,100.75	45.36
		For >50 To 100, Deduct	*-101.00*	
		For >100, Deduct	*-154.23*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	974.54	46.69
		For >50 To 100, Deduct	*-88.12*	
		For >100, Deduct	*-134.97*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,018.14	46.69
		For >50 To 100, Deduct	*-92.48*	
		For >100, Deduct	*-141.51*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,023.82	46.69
		For >50 To 100, Deduct	*-93.04*	
		For >100, Deduct	*-142.37*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,078.76	46.69
		For >50 To 100, Deduct	*-98.54*	
		For >100, Deduct	*-150.61*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,027.92	46.69
		For >50 To 100, Deduct	*-93.45*	
		For >100, Deduct	*-142.98*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,073.98	46.69
		For >50 To 100, Deduct	*-98.06*	
		For >100, Deduct	*-149.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,026.16	46.69
		For >50 To 100, Deduct	*-93.28*	
		For >100, Deduct	*-142.72*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,081.35	46.69
		For >50 To 100, Deduct	*-98.80*	
		For >100, Deduct	*-151.00*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,164.04	46.69
		For >50 To 100, Deduct	*-107.07*	
		For >100, Deduct	*-163.40*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	920.76	46.03
		For >50 To 100, Deduct	*-82.87*	
		For >100, Deduct	*-127.07*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	951.21	46.03
		For >50 To 100, Deduct	*-85.92*	
		For >100, Deduct	*-131.63*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	981.66	46.03
		For >50 To 100, Deduct	*-88.96*	
		For >100, Deduct	*-136.20*	
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	962.27	46.03
		For >50 To 100, Deduct	*-87.02*	
		For >100, Deduct	*-133.29*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,016.81	46.03
		For >50 To 100, Deduct	*-92.48*	
		For >100, Deduct	*-141.47*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,043.21	46.03
		For >50 To 100, Deduct	*-95.12*	
		For >100, Deduct	*-145.43*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,034.00	46.03
		For >50 To 100, Deduct	*-94.19*	
		For >100, Deduct	*-144.05*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,063.45	46.03
		For >50 To 100, Deduct	*-97.14*	
		For >100, Deduct	*-148.47*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,159.12	46.03
		For >50 To 100, Deduct	*-106.71*	
		For >100, Deduct	*-162.82*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,004.28	47.36
		For >50 To 100, Deduct	*-90.96*	
		For >100, Deduct	*-139.28*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,038.42	47.36
		For >50 To 100, Deduct	*-94.37*	
		For >100, Deduct	*-144.40*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,072.54	47.36
		For >50 To 100, Deduct	*-97.78*	
		For >100, Deduct	*-149.51*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,060.60	47.36
		For >50 To 100, Deduct	*-96.59*	
		For >100, Deduct	*-147.72*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,084.61	47.36
		For >50 To 100, Deduct	*-98.99*	
		For >100, Deduct	*-151.33*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,120.57	47.36
		For >50 To 100, Deduct	*-102.59*	
		For >100, Deduct	*-156.72*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,092.93	47.36
		For >50 To 100, Deduct	*-99.82*	
		For >100, Deduct	*-152.57*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,134.17	47.36
		For >50 To 100, Deduct	*-103.95*	
		For >100, Deduct	*-158.76*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,182.02	47.36
		For >50 To 100, Deduct	*-108.73*	
		For >100, Deduct	*-165.94*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,061.23	46.69
		For >50 To 100, Deduct	*-96.78*	
		For >100, Deduct	*-147.98*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,041.65	48.03
		For >50 To 100, Deduct	*-94.56*	
		For >100, Deduct	*-144.72*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,075.74	48.03
		For >50 To 100, Deduct	*-97.97*	
		For >100, Deduct	*-149.83*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,098.50	48.03
		For >50 To 100, Deduct	*-100.24*	
		For >100, Deduct	*-153.25*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,143.96	48.03
		For >50 To 100, Deduct	*-104.79*	
		For >100, Deduct	*-160.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,157.23	48.03
		For >50 To 100, Deduct	*-106.12*	
		For >100, Deduct	*-162.06*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,166.71	48.03
		For >50 To 100, Deduct	*-107.07*	
		For >100, Deduct	*-163.48*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,170.48	48.03
		For >50 To 100, Deduct	*-107.44*	
		For >100, Deduct	*-164.04*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,212.17	48.03
		For >50 To 100, Deduct	*-111.61*	
		For >100, Deduct	*-170.30*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	1,267.13	48.03
		For >50 To 100, Deduct	*-117.11*	
		For >100, Deduct	*-178.54*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	50.05

10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	54.96

10 51 26 00-0138 End Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	126.31

10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	49.21

10 51 26 00-0142 Filler Panels For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	131.76

10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers *(10 51 26 00-0133)*

10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	12.30
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	36.91
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	49.21

10 51 53 Locker Room Benches *(10 51)*

10 51 53 00-0001	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals	118.40	6.67
10 51 53 00-0002	LF	9-1/2" Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals	94.59	6.67
10 51 53 00-0003	LF	9-1/2" Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals	144.27	6.67
10 51 53 00-0004	LF	9-1/2" Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals	137.89	6.67
10 51 53 00-0005	LF	9-1/2" Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals	107.22	6.67

10 55 Postal Specialties *(10 50)*

10 55 23 Mail Boxes *(10 55)*

10 55 23 23 Residential Mail Boxes *(10 55 23)*

10 55 23 23-0001 Residential Mail Boxes *(10 55 23 23)*

10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	135.83	15.01
		For Stainless Steel Sleeve, Add	*29.52*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	181.55	15.01
		For Stainless Steel Sleeve, Add	*29.52*	
10 55 23 23-0004	EA	8" Wide x 16.5" High x 4.25" Deep, Aluminum Or Galvanized Steel Wall Mounted Mailbox	98.29	13.35
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	147.84	16.68

10 55 23 26 Commercial Mail Boxes *(10 55 23)*

10 55 23 26-0001 Commercial Letter Boxes *(10 55 23 26)*

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	422.74	20.01
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	488.35	20.01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0004		Commercial Horizontal Mail Boxes *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	86.77	20.01
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	183.60	26.68
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	111.12	16.68
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	172.83	26.68
10 55 23 26-0009		Commercial Cluster Mail Boxes *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) Note: Any door combination.	2,163.10	40.03
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) Note: Any door combination.	2,563.76	53.37
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	3,486.01	53.37
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	3,595.36	53.37
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	3,759.38	53.37
10 55 23 26-0015		Commercial 4C Mail Boxes *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,922.35	53.37
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	3,370.11	53.37
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	3,501.33	53.37
10 55 26		**Parcel Lockers** *(10 55)*		
10 55 26 00-0001		Parcel Lockers *(10 55 26)*		
10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,609.88	40.03
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,914.94	53.37
10 56		**Storage Assemblies** *(10 50)*		
10 56 13		**Metal Storage Shelving** *(10 56)*		
10 56 13 16		**Post-And-Shelf Metal Storage Shelving** *(10 56 13)*		
10 56 13 16-0001		Baked Enamel Steel Shelving *(10 56 13 16)*		
10 56 13 16-0002		7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*		
10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	155.13	22.91
		For >75" To 87" High, Add	*13.49*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	155.46	24.05
		For >75" To 87" High, Add	*13.40*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	149.45	26.35
		For >75" To 87" High, Add	*12.62*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	189.88	28.63
		For >75" To 87" High, Add	*16.51*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	212.85	29.78
		For >75" To 87" High, Add	*18.63*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	205.19	32.08
		For >75" To 87" High, Add	*17.71*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	227.96	34.36
		For >75" To 87" High, Add	*19.81*	
10 56 13 16-0010		3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)* Note: Adjustable shelves.		
10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	111.62	11.68
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	110.43	12.49
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	124.04	13.28
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	129.00	14.09
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	148.62	15.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 13 16-0016		4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*		
10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	130.12	22.91
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	105.83	24.05
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	121.39	26.35
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	127.92	28.63
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	146.16	29.78

10 56 16 Fabricated Wood Storage Shelving *(10 56)*

10 56 16 00-0001 Shelving *(10 56 16)*

10 56 16 00-0002 Built-In Wood Shelving *(10 56 16 00-0001)*
Note: Priced by shelf area. Includes hardware and trim.

10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	25.53	3.36
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	27.50	4.03
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	27.84	6.72
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	21.32	8.06
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	23.40	8.60
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	25.72	9.28
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	33.32	

10 56 16 00-0011 Plywood Shelf With Edge Band *(10 56 16 00-0001)*

10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	25.80	8.06
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	39.86	10.08

10 56 16 00-0014 Adjustable Shelf And Rod *(10 56 16 00-0001)*

10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	222.87	30.24
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	263.58	40.33

10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*

10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	22.51	8.06
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	24.48	8.60
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	78.23	13.44

10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	25.29	12.63

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)*
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	94.89	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	98.18	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	105.81	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	115.67	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	118.12	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	139.24	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	

10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)*
Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	154.79	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	169.74	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	184.77	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	219.31	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	239.75	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	269.28	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	

10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	63.79	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	66.01	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	68.71	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	72.62	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	77.35	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	90.08	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	92.80	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	104.31	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	217.90	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	226.72	13.34
		For Installation On Concrete Walls, Add	*3.05*	
		For Installation On Concrete Block Walls, Add	*4.02*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	66.18	13.34
		For Installation On Concrete Walls, Add	*4.49*	
		For Installation On Concrete Block Walls, Add	*5.46*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	67.62	13.34
		For Installation On Concrete Walls, Add	*4.51*	
		For Installation On Concrete Block Walls, Add	*5.48*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	68.54	13.34
		For Installation On Concrete Walls, Add	*4.54*	
		For Installation On Concrete Block Walls, Add	*5.51*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	71.94	13.34
		For Installation On Concrete Walls, Add	*4.59*	
		For Installation On Concrete Block Walls, Add	*5.56*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	73.67	13.34
		For Installation On Concrete Walls, Add	*4.62*	
		For Installation On Concrete Block Walls, Add	*5.59*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	78.88	13.34
		For Installation On Concrete Walls, Add	*4.70*	
		For Installation On Concrete Block Walls, Add	*5.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0035		Wall Mounted Shelving Accessories *(10 56 17)*		
10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	37.51	

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	75.36	6.67
		For Custom Made Units, Add	*34.60*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	54.89	6.67
		For Custom Made Units, Add	*22.32*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	147.90	6.67
		For Custom Made Units, Add	*78.13*	

10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	100.85	6.67
		For Custom Made Units, Add	*47.40*	
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	62.04	6.67
		For Custom Made Units, Add	*24.11*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	251.92	6.67
		For Custom Made Units, Add	*138.04*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	2,242.90	247.08
		For Custom Made Units, Add	*1,172.80*	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,729.22	247.08
		For Custom Made Units, Add	*864.59*	

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 13 Exterior Sun Control Devices *(10 71)*

10 71 13 13 Exterior Shutters *(10 71 13)*

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished *(10 71 13 13)*

10 71 13 13-0002 Louvered Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	123.06	40.28
		For Colored Finish, Add	*12.48*	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	133.23	42.30
		For Colored Finish, Add	*13.83*	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	143.41	44.31
		For Colored Finish, Add	*15.18*	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	152.74	46.32
		For Colored Finish, Add	*16.38*	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	163.26	48.34
		For Colored Finish, Add	*17.79*	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	174.21	50.35
		For Colored Finish, Add	*19.27*	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	181.77	52.36
		For Colored Finish, Add	*20.15*	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	190.13	54.38
		For Colored Finish, Add	*21.17*	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	201.23	56.40
		For Colored Finish, Add	*22.69*	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	215.99	58.41
		For Colored Finish, Add	*24.86*	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	223.15	60.42
		For Colored Finish, Add	*25.67*	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	241.60	62.44
		For Colored Finish, Add	*28.50*	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	248.70	64.45
		For Colored Finish, Add	*29.30*	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	261.64	66.46
		For Colored Finish, Add	*31.14*	

10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	171.35	44.31
		For Colored Finish, Add	*20.21*	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	183.49	46.32
		For Colored Finish, Add	*21.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	191.57	48.34
		For Colored Finish, Add	*22.88*	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	204.05	50.35
		For Colored Finish, Add	*24.65*	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	214.81	52.36
		For Colored Finish, Add	*26.10*	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	224.98	54.38
		For Colored Finish, Add	*27.44*	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	238.65	56.40
		For Colored Finish, Add	*29.42*	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	256.61	58.41
		For Colored Finish, Add	*32.17*	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	269.27	60.42
		For Colored Finish, Add	*33.97*	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	283.51	62.44
		For Colored Finish, Add	*36.05*	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	288.42	64.45
		For Colored Finish, Add	*36.45*	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	298.75	66.46
		For Colored Finish, Add	*37.82*	

10 71 13 13-0030 Exterior Spanish Cedar Shutters *(10 71 13 13)*

10 71 13 13-0031 12" Width *(10 71 13 13-0030)*

10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	521.23	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	563.26	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	602.62	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	644.66	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	684.02	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	729.11	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	768.48	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	807.82	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	849.86	64.45
		For Arched Tops, Add	*150.00*	

10 71 13 13-0041 14" Width *(10 71 13 13-0030)*

10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	551.79	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	599.93	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	645.41	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	693.55	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	739.02	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	787.17	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	832.65	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	875.04	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	923.20	64.45
		For Arched Tops, Add	*150.00*	

10 71 13 13-0051 16" Width *(10 71 13 13-0030)*

10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	585.40	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	636.60	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	688.19	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	739.38	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	790.97	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	845.23	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	893.76	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	945.32	60.42
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	999.59	64.45
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061		**18" Width** *(10 71 13 13-0030)*		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	615.96	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	673.28	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	730.97	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	788.28	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	842.91	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	903.27	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	957.92	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,015.60	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,072.93	64.45
		For Arched Tops, Add	*150.00*	
10 71 13 13-0071		**20" Width** *(10 71 13 13-0030)*		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	646.52	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	709.93	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	770.69	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	837.17	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	897.91	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	961.34	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	1,022.10	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	1,082.83	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	1,146.27	64.45
		For Arched Tops, Add	*150.00*	
10 71 13 13-0081		**Heavy-Duty Exterior True Louver Shutters, Western Red Cedar** *(10 71 13 13)*		
10 71 13 13-0082		**12" Width** *(10 71 13 13-0081)*		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	558.27	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	594.54	42.30
		For Arched Tops, Add	*150.00*	
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy-Duty Red Cedar	647.60	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy-Duty Red Cedar	683.86	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	736.93	48.34
		For Arched Tops, Add	*150.00*	
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy-Duty Red Cedar	789.99	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy-Duty Red Cedar	826.27	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	879.33	54.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy-Duty Red Cedar	932.39	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	985.46	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,021.72	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,074.79	62.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,111.07	64.45
		For Arched Tops, Add	*150.00*	
10 71 13 13-0096		**14" Width** *(10 71 13 13-0081)*		
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	626.37	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	668.24	42.30
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0099	PR	14" x 44" Louver Shutter, Heavy-Duty Red Cedar	729.69	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0100	PR	14" x 47" Louver Shutter, Heavy-Duty Red Cedar	771.57	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	833.02	48.34
		For Arched Tops, Add	*150.00*	
10 71 13 13-0102	PR	14" x 56" Louver Shutter, Heavy-Duty Red Cedar	894.48	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0103	PR	14" x 59" Louver Shutter, Heavy-Duty Red Cedar	936.35	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	997.81	54.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0105	PR	14" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,059.27	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,120.74	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,162.60	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0108	PR	14" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,224.06	62.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0109	PR	14" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,265.92	64.45
		For Arched Tops, Add	*150.00*	
10 71 13 13-0110		**15" Width** *(10 71 13 13-0081)*		
10 71 13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	660.42	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	705.09	42.30
		For Arched Tops, Add	*150.00*	
10 71 13 13-0113	PR	15" x 44" Louver Shutter, Heavy-Duty Red Cedar	770.73	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0114	PR	15" x 47" Louver Shutter, Heavy-Duty Red Cedar	815.42	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	881.07	48.34
		For Arched Tops, Add	*150.00*	
10 71 13 13-0116	PR	15" x 56" Louver Shutter, Heavy-Duty Red Cedar	946.72	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0117	PR	15" x 59" Louver Shutter, Heavy-Duty Red Cedar	991.39	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,057.05	54.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0119	PR	15" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,122.71	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,188.38	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,233.03	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0122	PR	15" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,298.69	62.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0123	PR	15" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,343.35	64.45
		For Arched Tops, Add	*150.00*	
10 71 13 13-0124		**16" Width** *(10 71 13 13-0081)*		
10 71 13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	694.47	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	730.28	42.30
		For Arched Tops, Add	*150.00*	
10 71 13 13-0127	PR	16" x 44" Louver Shutter, Heavy-Duty Red Cedar	811.78	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0128	PR	16" x 47" Louver Shutter, Heavy-Duty Red Cedar	859.26	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	929.11	48.34
		For Arched Tops, Add	*150.00*	
10 71 13 13-0130	PR	16" x 56" Louver Shutter, Heavy-Duty Red Cedar	998.96	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0131	PR	16" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,046.44	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,116.30	54.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,186.15	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,256.02	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,303.47	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,373.33	62.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,420.79	64.45
		For Arched Tops, Add	*150.00*	
10 71 13 13-0138		**18" Width** *(10 71 13 13-0081)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy-Duty Red Cedar	762.58	40.28
		For Arched Tops, Add	*150.00*	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy-Duty Red Cedar	815.64	42.30
		For Arched Tops, Add	*150.00*	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy-Duty Red Cedar	893.88	44.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy-Duty Red Cedar	946.96	46.32
		For Arched Tops, Add	*150.00*	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,025.21	48.34
		For Arched Tops, Add	*150.00*	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy-Duty Red Cedar	1,103.45	50.35
		For Arched Tops, Add	*150.00*	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy-Duty Red Cedar	1,156.52	52.36
		For Arched Tops, Add	*150.00*	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,234.78	54.38
		For Arched Tops, Add	*150.00*	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy-Duty Red Cedar	1,313.02	56.40
		For Arched Tops, Add	*150.00*	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,391.29	58.41
		For Arched Tops, Add	*150.00*	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy-Duty Red Cedar	1,444.34	60.42
		For Arched Tops, Add	*150.00*	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy-Duty Red Cedar	1,522.59	62.44
		For Arched Tops, Add	*150.00*	
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy-Duty Red Cedar	1,575.65	64.45
		For Arched Tops, Add	*150.00*	

10 71 13 13-0152 Exterior Cypress Fixed Louver Wood Shutters *(10 71 13 13)*

10 71 13 13-0153 6" Through 8" Width *(10 71 13 13-0152)*

10 71 13 13-0154	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	695.28	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0155	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	782.37	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0156	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	869.74	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0157	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	958.30	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0158	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,046.88	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0159	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,135.47	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0160	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,224.03	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0161	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,312.62	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0162	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,401.21	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0163	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,489.78	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0164	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,578.36	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,666.96	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,755.55	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,844.14	62.44
		For Arched Tops, Add	*65.00*	

10 71 13 13-0168 10" Through 12" Width *(10 71 13 13-0152)*

10 71 13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	808.96	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	911.32	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,013.74	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,117.49	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,221.20	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,324.96	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,428.71	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,532.42	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,636.18	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,739.93	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,843.64	56.40
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,947.41	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,051.11	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,154.87	62.44
		For Arched Tops, Add	*65.00*	

10 71 13 13-0183 14" Through 16" Width *(10 71 13 13-0152)*

10 71 13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,061.59	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,197.66	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,333.72	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,471.16	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,608.57	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,746.01	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,883.44	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,020.86	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,023.55	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,295.73	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,433.15	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,570.56	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,707.98	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,845.41	62.44
		For Arched Tops, Add	*65.00*	

10 71 13 13-0198 18" Through 20" Width *(10 71 13 13-0152)*

10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,187.89	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,340.82	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,493.73	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,646.61	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,802.26	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,956.56	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,110.80	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,265.08	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,419.34	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,573.63	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,727.87	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,882.17	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	3,036.41	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	3,190.70	62.44
		For Arched Tops, Add	*65.00*	

10 71 13 13-0213 22" Through 24" Width *(10 71 13 13-0152)*

10 71 13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,566.85	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,770.28	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,973.76	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,178.55	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,383.32	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,588.15	46.32
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	2,792.93	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,997.71	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,202.53	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,407.32	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	3,612.10	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	3,816.93	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,021.70	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,226.49	62.44
		For Arched Tops, Add	*65.00*	

10 71 13 13-0228 26" Through 28" Width *(10 71 13 13-0152)*

10 71 13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,794.22	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	2,027.97	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	2,261.77	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	2,496.88	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	2,731.97	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	2,967.12	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	3,202.22	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	3,437.32	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	3,672.46	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	3,907.53	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	4,142.63	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	4,377.78	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0241	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	4,612.87	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0242	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	4,847.94	62.44
		For Arched Tops, Add	*65.00*	

10 71 13 13-0243 Pine Louvered Shutters *(10 71 13 13)*

10 71 13 13-0244 12" Width *(10 71 13 13-0243)*

10 71 13 13-0245	PR	12" x 35" Pine Louvered Shutter	399.67	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0246	PR	12" x 39" Pine Louvered Shutter	417.01	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0247	PR	12" x 43" Pine Louvered Shutter	434.14	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0248	PR	12" x 47" Pine Louvered Shutter	451.37	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0249	PR	12" x 51" Pine Louvered Shutter	468.52	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0250	PR	12" x 55" Pine Louvered Shutter	485.74	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0251	PR	12" x 59" Pine Louvered Shutter	503.01	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0252	PR	12" x 63" Pine Louvered Shutter	520.35	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0253	PR	12" x 67" Pine Louvered Shutter	537.57	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0254	PR	12" x 71" Pine Louvered Shutter	554.85	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0255	PR	12" x 75" Pine Louvered Shutter	572.06	60.42
		For Arched Tops, Add	*65.00*	

10 71 13 13-0256 14" Width *(10 71 13 13-0243)*

10 71 13 13-0257	PR	14" x 35" Pine Louvered Shutter	441.46	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0258	PR	14" x 39" Pine Louvered Shutter	460.71	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0259	PR	14" x 43" Pine Louvered Shutter	479.62	44.31
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0260	PR	14" x 47" Pine Louvered Shutter	498.77	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0261	PR	14" x 51" Pine Louvered Shutter	517.73	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0262	PR	14" x 55" Pine Louvered Shutter	536.66	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0263	PR	14" x 59" Pine Louvered Shutter	555.76	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0264	PR	14" x 63" Pine Louvered Shutter	574.85	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0265	PR	14" x 67" Pine Louvered Shutter	593.82	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0266	PR	14" x 71" Pine Louvered Shutter	612.88	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0267	PR	14" x 75" Pine Louvered Shutter	632.00	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0268		**15" Width** *(10 71 13 13-0243)*		
10 71 13 13-0269	PR	15" x 35" Pine Louvered Shutter	461.86	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0270	PR	15" x 39" Pine Louvered Shutter	481.81	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0271	PR	15" x 43" Pine Louvered Shutter	501.82	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0272	PR	15" x 47" Pine Louvered Shutter	521.70	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0273	PR	15" x 51" Pine Louvered Shutter	541.68	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0274	PR	15" x 55" Pine Louvered Shutter	561.62	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0275	PR	15" x 59" Pine Louvered Shutter	581.61	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0276	PR	15" x 63" Pine Louvered Shutter	601.52	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0277	PR	15" x 67" Pine Louvered Shutter	621.42	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0278	PR	15" x 71" Pine Louvered Shutter	641.34	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0279	PR	15" x 75" Pine Louvered Shutter	661.30	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0280	PR	15" x 81" Pine Louvered Shutter	689.88	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0281		**16" Width** *(10 71 13 13-0243)*		
10 71 13 13-0282	PR	16" x 35" Pine Louvered Shutter	481.30	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0283	PR	16" x 39" Pine Louvered Shutter	502.92	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0284	PR	16" x 43" Pine Louvered Shutter	524.72	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0285	PR	16" x 47" Pine Louvered Shutter	546.46	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0286	PR	16" x 51" Pine Louvered Shutter	568.23	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0287	PR	16" x 55" Pine Louvered Shutter	589.96	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0288	PR	16" x 59" Pine Louvered Shutter	611.58	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0289	PR	16" x 63" Pine Louvered Shutter	633.39	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0290	PR	16" x 67" Pine Louvered Shutter	655.12	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0291	PR	16" x 71" Pine Louvered Shutter	676.90	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0292	PR	16" x 75" Pine Louvered Shutter	698.62	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0293	PR	16" x 81" Pine Louvered Shutter	720.24	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0294		**18" Width** *(10 71 13 13-0243)*		
10 71 13 13-0295	PR	18" x 35" Pine Louvered Shutter	524.06	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0296	PR	18" x 39" Pine Louvered Shutter	552.09	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0297	PR	18" x 47" Pine Louvered Shutter	600.26	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0298	PR	18" x 55" Pine Louvered Shutter	648.54	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0299	PR	18" x 63" Pine Louvered Shutter	696.79	54.38
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0300	PR	18" x 75" Pine Louvered Shutter	801.32	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0301	PR	18" x 81" Pine Louvered Shutter	830.83	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0302		**Exterior Cedar Board N' Batten Wood Shutters** *(10 71 13 13)*		
10 71 13 13-0303		**8" Through 14" Width** *(10 71 13 13-0302)*		
10 71 13 13-0304	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	793.13	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0305	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,041.82	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0306	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,043.17	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0307	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,293.23	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0308	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,295.91	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0309	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,298.59	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0310	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,548.65	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0311	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,551.33	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0312	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,554.02	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0313	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,804.07	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0314	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,806.75	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0315	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,056.81	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0316	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,059.49	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0317	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,062.18	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0318	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,064.87	64.45
		For Arched Tops, Add	*65.00*	
10 71 13 13-0319		**15" Through 16" Width** *(10 71 13 13-0302)*		
10 71 13 13-0320	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	1,040.49	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0321	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,041.82	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0322	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,290.54	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0323	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,293.23	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0324	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,543.27	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,545.97	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,548.65	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,798.69	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,801.38	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,051.44	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,054.12	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,304.18	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,306.85	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,556.91	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,559.59	64.45
		For Arched Tops, Add	*65.00*	
10 71 13 13-0335		**17" Through 18" Width** *(10 71 13 13-0302)*		
10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,040.49	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,289.19	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,290.54	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,540.60	42.30
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,543.27	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,793.33	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,796.01	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,046.06	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,048.75	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,298.80	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,301.48	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,551.55	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,554.22	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	2,804.28	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	2,806.96	64.45
		For Arched Tops, Add	*65.00*	

10 71 13 13-0351 19" Through 20" Width *(10 71 13 13-0302)*

10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,287.86	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,289.19	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,537.91	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,540.60	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,790.63	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,793.33	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,043.38	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,293.42	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,296.11	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,546.17	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,548.85	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,798.92	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	2,801.59	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,051.64	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,054.32	64.45
		For Arched Tops, Add	*65.00*	

10 71 13 13-0367 21" Through 22" Width *(10 71 13 13-0302)*

10 71 13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,287.86	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,289.19	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,537.91	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,787.96	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,790.63	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	2,040.70	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,043.38	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,293.42	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,543.48	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,546.17	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,796.22	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	2,798.92	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	3,048.95	60.42
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,051.64	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,054.32	64.45
		For Arched Tops, Add	*65.00*	
10 71 13 13-0383		22" Through 24" Width *(10 71 13 13-0302)*		
10 71 13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	1,287.86	38.26
		For Arched Tops, Add	*65.00*	
10 71 13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	1,536.56	39.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	1,537.91	40.28
		For Arched Tops, Add	*65.00*	
10 71 13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,787.96	42.30
		For Arched Tops, Add	*65.00*	
10 71 13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	2,038.00	44.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	2,040.70	46.32
		For Arched Tops, Add	*65.00*	
10 71 13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	2,290.74	48.34
		For Arched Tops, Add	*65.00*	
10 71 13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	2,293.42	50.35
		For Arched Tops, Add	*65.00*	
10 71 13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	2,543.48	52.36
		For Arched Tops, Add	*65.00*	
10 71 13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	2,793.54	54.38
		For Arched Tops, Add	*65.00*	
10 71 13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	2,796.22	56.40
		For Arched Tops, Add	*65.00*	
10 71 13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	3,046.28	58.41
		For Arched Tops, Add	*65.00*	
10 71 13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	3,048.95	60.42
		For Arched Tops, Add	*65.00*	
10 71 13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	3,299.01	62.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	3,301.69	64.45
		For Arched Tops, Add	*65.00*	
10 71 13 13-0399		Accessories *(10 71 13 13)*		
10 71 13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	67.49	
10 71 13 13-0401	PR	Lag Pintel, Stainless Steel	67.49	
10 71 13 13-0402	PR	10" Strap Hinge, Stainless Steel	99.56	
10 71 13 13-0403	PR	6" L-Hinge, Stainless Steel	92.62	
10 71 13 13-0404	PR	Hinge Set, Galvanized And Painted	84.65	
10 71 13 13-0405	PR	Acorn Holdback	75.71	
10 71 13 13-0406	PR	'S' Holdback, Stainless Steel	64.48	
10 71 13 13-0407	PR	'S' Holdback, Galvanized And Painted	61.00	

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001		Metal Awnings *(10 73 13 13)*		
		Note: Includes metal cover, frame supports and anchoring.		
10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	79.00	9.39
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	69.86	8.41
10 73 13 13-0004	SF	Flat Roofed Steel Awning	236.80	9.76
		Note: Per SF of covered area		
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	244.37	10.97

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001		Canvas Awnings *(10 73 13 23)*		
		Note: Includes minimum 12 oz. canvas, frame supports and anchoring.		
10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	78.41	8.85
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	44.63	2.86
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings	30.27	
		Note: Includes removal of existing canvas cover.		
		For 18 Ounce Vinyl Laminated Polyester Cover, Add	*0.98*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001		Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*		
		Note: Includes cover, frame supports and anchoring.		
10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	7,157.39	509.10
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	13,301.55	814.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	8,809.00	636.99
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	16,210.71	851.78

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	116.17	7.25
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*40.67*	
		For Wind Load (140 MPH), Add	*50.84*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	123.65	7.81
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*43.22*	
		For Wind Load (140 MPH), Add	*54.02*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover	68.91	7.25
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*21.77*	
		For Wind Load (140 MPH), Add	*27.21*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover	74.97	7.81
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*23.74*	
		For Wind Load (140 MPH), Add	*29.68*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole	4,156.92	990.13
		Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole	4,444.69	1,080.15
		Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole	5,586.81	1,260.18
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole	6,481.04	1,440.20
		Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole	11,943.46	1,620.23
		Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole	14,206.97	1,800.25
		Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole	24,379.23	1,980.28
		Note: 16" butt diameter, 7" top diameter and 0.325" wall.		
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole	31,553.24	2,160.30
		Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.		
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy-duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	3,108.05	900.13
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,664.34	990.13
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,059.13	1,080.15
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*300.00*	
		For Bronze Anodized Finish, Add	*375.00*	
		For Black Anodized Finish, Add	*450.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,107.11	1,260.18
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,262.75	1,440.20
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	6,905.17	1,530.21
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	8,548.90	1,620.23
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	14,237.37	1,800.25
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	15,586.82	1,980.28
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	19,358.79	2,160.30
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 75 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,861.95
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,925.23
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	2,210.85
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	2,339.34
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	2,807.47
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	3,401.53
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	4,026.03
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	4,680.57
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	5,456.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0032		Direct Embedded Flagpole Base *(10 75 16 00-0021)*		
		Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	792.76	
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	1,137.31	
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	1,271.06	
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,429.35	
10 75 16 00-0037		Flagpole Accessories *(10 75 16)*		
10 75 16 00-0038		Flagpole Tops *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	143.58	56.72
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	155.64	60.06
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	172.00	63.40
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	215.29	66.72
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	273.64	70.06
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	302.93	73.40
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	280.32	73.40
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	325.09	83.41
10 75 16 00-0047		Flagpole Accessories *(10 75 16 00-0037)*		
		Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.		
10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.46	0.10
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.73	0.10
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.56	0.10
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.96	0.10
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	463.95	166.76
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	333.70	100.06
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	27.01	6.67
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.82	0.11
10 75 23		**Wall-Mounted Flagpoles** *(10 75)*		
10 75 23 00-0001		Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.		
10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,192.87	789.59
		For Clear Anodized Finish, Add	*60.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*90.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,383.10	868.54
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,584.08	947.50
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*120.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,996.82	1,105.42
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*90.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0006		Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*		
		Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.		
10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,756.33	710.62
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,978.84	789.59
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	3,337.75	947.50
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001		Stainless Steel Spiked Bird Barrier *(10 81 13)*		
		Note: Stainless steel spikes with flexible polycarbonate base.		
10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	10.99	1.07
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	13.28	1.07
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	19.58	1.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0005		Polycarbonate Spiked Bird Barrier *(10 81 13)* Note: Polycarbonate spikes and base.		
10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	10.15	1.07
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	12.31	1.07
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	14.69	1.07
10 81 13 00-0009		Spiked Gutter Or Girder Bird Barrier *(10 81 13)* Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.		
10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	11.67	1.07
10 81 13 00-0011		Coil Bird Barrier *(10 81 13)* Note: Stainless steel coil.		
10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	8.22	1.07
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	9.72	1.07
10 81 13 00-0014		Spider Bird Barrier *(10 81 13)* Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	144.07	1.07
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	212.16	1.07
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	267.27	1.07
10 81 13 00-0018		Oriented Flexible Flame Resistant Netting *(10 81 13)* Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.08	0.37
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.04	0.37
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	1.00	0.37
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.96	0.37
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.96	0.37
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.94	0.37
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.91	0.37
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.91	0.37
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.87	0.37
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.98	0.37
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting Note: To control bird and marine predators.	0.92	0.37
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	3.22	
10 81 13 00-0031		Netting Accessories *(10 81 13)*		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	9.40	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	14.16	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	16.66	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	23.68	
10 81 16		**Insect Control Devices** *(10 81)*		
10 81 16 00-0001		Insect Screening *(10 81 16)*		
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	143.49	

10 86 Security Mirrors And Domes *(10 80)*

10 86 00 00-0001		Security Mirrors *(10 86)*		
10 86 00 00-0002	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	120.24	39.60
10 86 00 00-0003	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	132.09	39.60
10 86 00 00-0004	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	223.56	33.01
10 86 00 00-0005	EA	8" x 10" Framed Stainless Steel Replacement Mirror	103.46	39.60
10 86 00 00-0006	EA	10" x 14" Framed Stainless Steel Replacement Mirror	149.14	39.60
10 86 00 00-0007		Dome Mirrors *(10 86)* Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0008		Steel Dome Mirrors *(10 86 00 00-0007)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0009	EA	9" Diameter Full-Dome Steel Dome Mirror	327.11	26.69
10 86 00 00-0010	EA	12" Diameter Full-Dome Steel Dome Mirror	384.52	28.02
10 86 00 00-0011	EA	18" Diameter Full-Dome Steel Dome Mirror	444.60	30.70
10 86 00 00-0012	EA	24" Diameter Full-Dome Steel Dome Mirror	592.74	33.36
10 86 00 00-0013	EA	9" Diameter Half-Dome Steel Dome Mirror	234.26	20.02
10 86 00 00-0014	EA	12" Diameter Half-Dome Steel Dome Mirror	270.26	21.35
10 86 00 00-0015	EA	18" Diameter Half-Dome Steel Dome Mirror	315.67	23.35
10 86 00 00-0016	EA	24" Diameter Half-Dome Steel Dome Mirror	438.68	25.36
10 86 00 00-0017		Plexiglas Dome Mirrors *(10 86 00 00-0007)*		
10 86 00 00-0018	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	255.38	30.70
10 86 00 00-0019	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	359.48	33.36
10 86 00 00-0020	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	474.90	38.70
10 86 00 00-0021	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	574.22	46.71
10 86 00 00-0022	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	838.00	66.72
10 86 00 00-0023	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	156.91	23.35
10 86 00 00-0024	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	210.90	25.36
10 86 00 00-0025	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	277.46	29.36
10 86 00 00-0026	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	342.07	35.36
10 86 00 00-0027	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	542.82	50.05
10 86 00 00-0028	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	101.93	20.02
10 86 00 00-0029	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	130.44	22.02
10 86 00 00-0030	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	171.00	24.69
10 86 00 00-0031	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	212.96	29.36
10 86 00 00-0032	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	352.37	41.71
10 86 00 00-0033		Coated Plexiglas Dome Mirrors *(10 86 00 00-0007)*		
10 86 00 00-0034	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	304.17	30.70
10 86 00 00-0035	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	468.97	33.36
10 86 00 00-0036	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	793.20	46.71
10 86 00 00-0037	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	1,221.21	66.72
10 86 00 00-0038	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	197.85	23.35
10 86 00 00-0039	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	293.49	25.36
10 86 00 00-0040	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	463.46	35.36
10 86 00 00-0041	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	766.56	50.05
10 86 00 00-0042	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	144.05	20.02
10 86 00 00-0043	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	201.37	22.02
10 86 00 00-0044	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	260.49	24.69
10 86 00 00-0045	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	334.82	29.36
10 86 00 00-0046	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	523.75	41.71
10 86 00 00-0047		Circular Convex Security Mirrors *(10 86)*		
		Note: Includes all mounting hardware.		
10 86 00 00-0048		Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0049	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	109.36	21.35
10 86 00 00-0050	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	141.68	23.35
10 86 00 00-0051	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	213.52	25.36
10 86 00 00-0052	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	266.51	29.36
10 86 00 00-0053	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	353.97	35.36
10 86 00 00-0054	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	623.74	50.05
10 86 00 00-0055	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	181.91	23.35
10 86 00 00-0056	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	261.12	25.36
10 86 00 00-0057	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	373.02	35.36
10 86 00 00-0058	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	680.87	50.05
10 86 00 00-0059		Coated Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*		
		Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0060	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	219.04	23.35
10 86 00 00-0061	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	343.47	25.36
10 86 00 00-0062	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	460.97	29.36
10 86 00 00-0063	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	575.33	35.36
10 86 00 00-0064	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	835.58	50.05
10 86 00 00-0065	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	262.59	23.35
10 86 00 00-0066	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	405.36	25.36
10 86 00 00-0067	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	563.32	29.36
10 86 00 00-0068	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	637.22	35.36
10 86 00 00-0069	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	1,009.34	50.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	633.52	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	662.20	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	695.09	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	925.14	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	955.94	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	1,354.83	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	1,374.70	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	1,412.71	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,624.64	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,651.48	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 19 Vehicle Lubrication Equipment *(11 11)*

11 11 19 00-0001 Reels *(11 11 19)*

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	1,187.34	147.48
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	1,157.93	147.48
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	1,014.57	147.48
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	1,129.08	147.48

11 11 19 00-0006 Air Operated Powered Pumps *(11 11 19)*

Note: Excludes air compressor.

11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,782.44	196.64
11 11 19 00-0008	EA	1", Antifreeze, Air Operatied Diaphragm Pump (Alemite 8325) Note: UL listed.	1,975.98	196.64
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,586.45	196.64
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 Lb. Drum (Alemite 9979-A) Note: Includes pump, drum cover and follower plate.	1,823.37	98.32

11 11 19 00-0011 Pumping Unit Accessories *(11 11 19)*

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	644.08	36.87
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	644.08	36.87
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	644.08	36.87
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	350.43	36.87
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	190.61	36.87
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	125.15	12.29
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	291.65	49.16
11 11 19 00-0019	EA	Unistrut Reel Brackets	255.60	9.83
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	346.50	36.87

11 11 36 Vehicle Charging Equipment *(11 11)*

11 11 36 13 Commercial Electric Vehicle Charging Unit *(11 11 36)*

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) *(11 11 36 13)*

Note: Available with RFID (Radio Frequency Identification) reader.

11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	4,295.92	138.74
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,665.62	184.99
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	8,034.55	138.74
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	13,754.43	184.99
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	3,784.62	69.36
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3) Note: 208 to 240 volt, 30 amperes, 1 phase. Excludes pole.	7,383.11	69.36
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	3,643.30	92.49
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3) Note: 208 to 240 volt, 30 amperes, 1 phase.	7,101.61	92.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0010		Electric Vehicle Charging Stations (AeroVironment) *(11 11 36 13)* Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module) Note: Includes charging station only. Excludes mounting bracket or pedestal.	3,050.68	69.36
11 11 36 13-0012	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount) Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	4,208.47	92.49
11 11 36 13-0013	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount) Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.	7,074.15	115.61
11 11 36 13-0014	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	4,393.46	138.74
11 11 36 13-0015	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	7,259.13	161.86
11 11 36 13-0016	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	10,124.82	184.99
11 11 36 13-0017	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal) Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.	12,990.50	208.10
11 11 36 13-0018		Electric Vehicle Charging Stations (Leviton) *(11 11 36 13)*		
11 11 36 13-0019	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	4,650.08	138.74
		For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
		For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
11 11 36 13-0020	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	3,727.27	138.74
		For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
		For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	9,097.99	184.99
		For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
		For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000) Note: 208 to 240 volt, 30 amperes, 1 phase.	8,172.20	184.99
		For Bollard Body (Leviton CPMBX-000), Add	*2,935.41*	
		For Bollard Cap (Leviton CPCAP-B), Add	*269.76*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*2,028.77*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*269.76*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,850.00*	
11 11 36 13-0023	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000)	3,305.38	138.74
		For Cap, Add	*269.76*	
11 11 36 13-0024	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000)	2,398.74	138.74
		For Cap, Add	*269.76*	
11 11 36 13-0025	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000)	2,034.99	92.49
		For Cap, Add	*269.76*	

11 12 Parking Control Equipment *(11 10)*

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001		Parking Ticket Dispensers *(11 12 16)*		
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	11,806.42	184.04
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	15,959.96	184.04

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001		Parking Meters *(11 12 23)*		
11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	222.62	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

11 12 26 13-0001		Parking Fee Collection Equipment *(11 12 26 13)*		
11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	2,785.11	62.36

11 12 33 Parking Gates *(11 12)*

11 12 33 13 Lift Arm Parking Gates *(11 12 33)*

11 12 33 13-0001 Barrier Parking Gate Operators *(11 12 33 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 33 13-0002		**Barrier Parking Gate Operators** *(11 12 33 13-0001)*		
		Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.		
11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,381.35	510.23
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,359.72	510.23
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	6,633.78	510.23
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	9,359.30	510.23
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,564.07	510.23
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	9,996.81	510.23
11 12 33 13-0009		**Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes** *(11 12 33 13-0001)*		
		Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.		
11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,152.11	1,020.46
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,385.37	1,020.46
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	19,314.39	1,020.46
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	22,547.64	1,020.46
11 12 33 13-0014		**Barrier Parking Gate Operator Accessories** *(11 12 33 13-0001)*		
11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	226.51	23.10
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	204.87	23.10
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	478.94	23.10
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	722.35	23.10
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	659.25	23.10
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	659.25	23.10
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	803.49	23.10
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	682.84	138.58
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	682.84	138.58
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	683.06	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,751.37	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	1,276.63	46.20
		Note: Includes mounting plate and hardware. Excludes concrete foundation.		
11 12 36		**Tire Shredders** *(11 12)*		
11 12 36 00-0001		**Tire Shredding Traffic Control Spikes** *(11 12 36)*		
11 12 36 00-0002		**Flush Mount, Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,803.69	369.54
11 12 36 00-0004		**Surface Mount, Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	5,053.07	184.77
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	3,610.61	184.77
11 12 36 00-0007		**Warning Signs And Signals For Tire Shredding Traffic Control Spikes** *(11 12 36 00-0001)*		
11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	2,248.18	69.29
		Note: Includes light and mounting post.		
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	1,825.57	92.38
		Note: Includes mounting post and hardware.		
11 13		**Loading Dock Equipment** *(11 10)*		
		Note: Includes all anchor bolts, drilling and fasteners.		
11 13 13		**Loading Dock Bumpers** *(11 13)*		
11 13 13 00-0001		**Laminated Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0002		**4-1/2" Projection, Laminated Rubber Dock Bumpers** *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	141.35	26.68
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	174.38	26.68
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	220.98	26.68
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	155.42	26.68
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	167.10	26.68
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	187.96	26.68
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	220.98	26.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	295.54	26.68
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	174.06	26.68
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	187.96	26.68
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	227.61	26.68
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	255.73	26.68
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	347.04	26.68
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	211.19	26.68
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	243.89	26.68
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	313.55	26.68
11 13 13 00-0019		6" Projection, Laminated Rubber Dock Bumpers *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	194.87	26.68
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	206.40	26.68
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	234.20	26.68
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	276.54	26.68
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	370.22	26.68
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	220.46	26.68
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	229.94	26.68
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	267.54	26.68
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	323.62	26.68
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	480.64	26.68
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	276.70	26.68
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	314.30	26.68
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	319.30	26.68
11 13 13 00-0033		Extruded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0034		1-3/4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	80.64	26.68
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	85.28	26.68
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	91.47	26.68
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	97.67	26.68
11 13 13 00-0039		4" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	104.92	26.68
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	124.44	26.68
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	130.07	26.68
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	142.88	26.68
11 13 13 00-0044		6" Projection, Extruded Rubber Dock Bumpers *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	125.53	26.68
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	151.84	26.68
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	173.52	26.68
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	214.87	26.68
11 13 13 00-0049		Molded Rubber Dock Bumpers *(11 13 13)*		
11 13 13 00-0050		Rectangular Molded Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	110.08	26.68
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	98.13	26.68
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	125.41	26.68
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	152.93	26.68
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	159.42	26.68
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	122.28	26.68
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	154.02	26.68
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	219.35	26.68
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	131.77	26.68
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	189.81	26.68
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	189.24	26.68
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	280.70	26.68
11 13 13 00-0063		T And L Shaped Rubber Dock Bumpers *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	180.30	26.68
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	168.11	26.68
11 13 16		**Loading Dock Seals and Shelters** *(11 13)*		
11 13 16 13		**Loading Dock Seals** *(11 13 16)*		
11 13 16 13-0001		Vinyl Loading Dock Seals *(11 13 16 13)*		
11 13 16 13-0002		Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	101.14	26.68
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	102.32	26.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	103.51	26.68
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	105.88	26.68
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	108.25	26.68
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	110.65	26.68
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	113.05	26.68
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	115.52	26.68
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	117.99	26.68
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	120.36	26.68
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	122.73	26.68
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	127.53	26.68
11 13 16 13-0015		8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	115.22	26.68
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	116.41	26.68
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.59	26.68
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.99	26.68
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.40	26.68
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.77	26.68
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.14	26.68
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.54	26.68
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	131.94	26.68
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.31	26.68
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	136.75	26.68
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.49	26.68
11 13 16 13-0028		4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*		
11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.73	26.68
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	123.94	26.68
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.16	26.68
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.53	26.68
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.90	26.68
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.30	26.68
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	134.71	26.68
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.08	26.68
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	139.44	26.68
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	141.85	26.68
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	144.25	26.68
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	149.12	26.68
11 13 16 13-0041		Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*		
11 13 16 13-0042		Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	94.86	26.68
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	96.73	26.68
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	100.85	26.68
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	104.91	26.68
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	109.08	26.68
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	113.14	26.68
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	117.26	26.68
11 13 16 13-0050		8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	108.18	26.68
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	110.10	26.68
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	114.22	26.68
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.33	26.68
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	122.40	26.68
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.52	26.68
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	130.58	26.68
11 13 16 13-0058		4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*		
11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	115.40	26.68
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	117.26	26.68
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	121.44	26.68
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	125.50	26.68
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	129.62	26.68
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	133.68	26.68
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	137.86	26.68
11 13 16 23		**Loading Dock Shelters** *(11 13 16)*		
11 13 16 23-0001		Retractable Vinyl Loading Dock Shelter, For Truck Or Train, Scissor Arms *(11 13 16 23)*		
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters	155.32	33.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 23-0003		Rigid Loading Dock Shelters *(11 13 16 23)*		
11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	119.43	32.02
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	123.81	32.02
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	128.62	33.35
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	131.64	33.35
11 13 19		**Stationary Loading Dock Equipment** *(11 13)*		
11 13 19 13		**Loading Dock Levelers** *(11 13 19)*		
11 13 19 13-0001		Hydraulic Dock Levelers *(11 13 19 13)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0002		20,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0003	EA	6' x 6', 20,000 Lb. Hydraulic Dock Leveler	7,721.11	1,082.97
11 13 19 13-0004	EA	6' x 8', 20,000 Lb. Hydraulic Dock Leveler	8,271.42	1,203.29
11 13 19 13-0005	EA	6' x 10', 20,000 Lb. Hydraulic Dock Leveler	10,079.10	1,443.95
11 13 19 13-0006	EA	7' x 6', 20,000 Lb. Hydraulic Dock Leveler	8,214.69	1,203.29
11 13 19 13-0007	EA	7' x 8', 20,000 Lb. Hydraulic Dock Leveler	8,913.08	1,323.63
11 13 19 13-0008	EA	7' x 10', 20,000 Lb. Hydraulic Dock Leveler	10,680.53	1,564.29
11 13 19 13-0009		25,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0010	EA	6' x 6', 25,000 Lb. Hydraulic Dock Leveler	7,867.89	1,082.97
11 13 19 13-0011	EA	6' x 8', 25,000 Lb. Hydraulic Dock Leveler	8,421.22	1,203.29
11 13 19 13-0012	EA	6' x 10', 25,000 Lb. Hydraulic Dock Leveler	10,219.43	1,443.95
11 13 19 13-0013	EA	7' x 6', 25,000 Lb. Hydraulic Dock Leveler	8,356.25	1,203.29
11 13 19 13-0014	EA	7' x 8', 25,000 Lb. Hydraulic Dock Leveler	9,042.94	1,323.63
11 13 19 13-0015	EA	7' x 10', 25,000 Lb. Hydraulic Dock Leveler	10,956.15	1,564.29
11 13 19 13-0016		30,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0017	EA	6' x 6', 30,000 Lb. Hydraulic Dock Leveler	8,259.54	1,263.47
11 13 19 13-0018	EA	6' x 8', 30,000 Lb. Hydraulic Dock Leveler	8,792.43	1,443.95
11 13 19 13-0019	EA	6' x 10', 30,000 Lb. Hydraulic Dock Leveler	10,683.28	1,684.61
11 13 19 13-0020	EA	7' x 6', 30,000 Lb. Hydraulic Dock Leveler	8,792.43	1,443.95
11 13 19 13-0021	EA	7' x 8', 30,000 Lb. Hydraulic Dock Leveler	9,441.33	1,624.45
11 13 19 13-0022	EA	7' x 10', 30,000 Lb. Hydraulic Dock Leveler	11,332.18	1,744.78
11 13 19 13-0023		35,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0024	EA	6' x 6', 35,000 Lb. Hydraulic Dock Leveler	8,544.25	1,323.63
11 13 19 13-0025	EA	6' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,078.92	1,504.13
11 13 19 13-0026	EA	6' x 10', 35,000 Lb. Hydraulic Dock Leveler	10,268.74	1,744.78
11 13 19 13-0027	EA	7' x 6', 35,000 Lb. Hydraulic Dock Leveler	9,078.92	1,504.13
11 13 19 13-0028	EA	7' x 8', 35,000 Lb. Hydraulic Dock Leveler	9,865.62	1,684.61
11 13 19 13-0029	EA	7' x 10', 35,000 Lb. Hydraulic Dock Leveler	11,809.42	1,804.95
11 13 19 13-0030		40,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0031	EA	6' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,002.45	1,323.63
11 13 19 13-0032	EA	6' x 8', 40,000 Lb. Hydraulic Dock Leveler	9,536.25	1,504.13
11 13 19 13-0033	EA	6' x 10', 40,000 Lb. Hydraulic Dock Leveler	11,464.14	1,744.78
11 13 19 13-0034	EA	7' x 6', 40,000 Lb. Hydraulic Dock Leveler	9,536.25	1,504.13
11 13 19 13-0035	EA	7' x 8', 40,000 Lb. Hydraulic Dock Leveler	10,324.02	1,684.61
11 13 19 13-0036	EA	7' x 10', 40,000 Lb. Hydraulic Dock Leveler	12,267.42	1,804.95
11 13 19 13-0037		45,000 Lb. Hydraulic Dock Levelers *(11 13 19 13-0001)*		
11 13 19 13-0038	EA	6' x 6', 45,000 Lb. Hydraulic Dock Leveler	9,417.84	1,383.79
11 13 19 13-0039	EA	6' x 8', 45,000 Lb. Hydraulic Dock Leveler	9,962.74	1,564.29
11 13 19 13-0040	EA	6' x 10', 45,000 Lb. Hydraulic Dock Leveler	11,877.67	1,804.95
11 13 19 13-0041	EA	7' x 6', 45,000 Lb. Hydraulic Dock Leveler	9,964.56	1,564.29
11 13 19 13-0042	EA	7' x 8', 45,000 Lb. Hydraulic Dock Leveler	10,744.01	1,744.78
11 13 19 13-0043	EA	7' x 10', 45,000 Lb. Hydraulic Dock Leveler	12,670.96	1,865.11
11 13 19 13-0044		Manual Dock Levelers *(11 13 19 13)*		
11 13 19 13-0045		20,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		
11 13 19 13-0046	EA	6' x 6', 20,000 Lb. Manual Dock Leveler	6,230.89	1,082.97
11 13 19 13-0047	EA	6' x 8', 20,000 Lb. Manual Dock Leveler	6,790.61	1,203.29
11 13 19 13-0048	EA	6' x 10', 20,000 Lb. Manual Dock Leveler	8,588.88	1,443.95
11 13 19 13-0049	EA	7' x 6', 20,000 Lb. Manual Dock Leveler	6,725.81	1,203.29
11 13 19 13-0050	EA	7' x 8', 20,000 Lb. Manual Dock Leveler	7,422.85	1,323.63
11 13 19 13-0051	EA	7' x 10', 20,000 Lb. Manual Dock Leveler	9,342.29	1,443.95
11 13 19 13-0052		40,000 Lb. Manual Dock Levelers *(11 13 19 13-0044)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0053	EA	6' x 6', 40,000 Lb. Manual Dock Leveler	7,644.03	1,203.29
11 13 19 13-0054	EA	6' x 8', 40,000 Lb. Manual Dock Leveler	8,177.83	1,323.63
11 13 19 13-0055	EA	6' x 10', 40,000 Lb. Manual Dock Leveler	8,951.74	1,564.29
11 13 19 13-0056	EA	7' x 6', 40,000 Lb. Manual Dock Leveler	8,177.83	1,323.63
11 13 19 13-0057	EA	7' x 8', 40,000 Lb. Manual Dock Leveler	9,273.59	1,443.95
11 13 19 13-0058	EA	7' x 10', 40,000 Lb. Manual Dock Leveler	10,909.01	1,684.61
11 13 19 13-0059		Edge Of Dock Levelers *(11 13 19 13)*		
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		Hydraulic Edge Of Dock Levelers *(11 13 19 13-0059)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,369.16	360.99
11 13 19 13-0062	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,683.85	360.99
11 13 19 13-0063	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,638.31	360.99
11 13 19 13-0064	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,070.33	360.99
11 13 19 13-0065	EA	66" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	5,512.04	360.99
11 13 19 13-0066	EA	72" Usable Width, 20,000 Lb. Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	5,820.47	360.99
11 13 19 13-0067		Manual Edge Of Dock Levelers *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,364.51	360.99
11 13 19 13-0069	EA	72" Usable Width, 20,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,554.09	360.99
11 13 19 13-0070	EA	66" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,612.06	360.99
11 13 19 13-0071	EA	72" Usable Width, 25,000 Lb. Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,754.24	360.99
11 13 19 13-0072	EA	66" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	3,044.57	360.99
11 13 19 13-0073	EA	72" Usable Width, 25,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	3,451.63	360.99
11 13 19 13-0074	EA	78" Usable Width, 25,000 Lb. Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	3,751.10	360.99
11 13 19 13-0075	EA	72" Usable Width, 30,000 Lb. Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	3,794.13	360.99
11 13 19 13-0076	EA	66" Usable Width, 20,000 Lb. Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	3,385.28	360.99
11 13 19 13-0077	EA	78" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	4,627.98	360.99
11 13 19 13-0078	EA	72" Usable Width, 30,000 Lb. Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	4,360.79	360.99
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		Top Of Ground, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 Lb. Top Of Ground, Fixed Platform Lift	18,090.26	268.54
11 13 19 23-0003		Pit Mounted, Fixed Platform Lifts *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 Lb. Fixed Platform Lift, Pit Mounted	11,580.50	268.54
11 13 19 23-0005	EA	6' x 8', 8,000 Lb. Fixed Platform Lift, Pit Mounted	20,697.68	402.82
11 13 19 23-0006	EA	7' x 12', 15,000 Lb. Fixed Platform Lift, Pit Mounted	36,224.68	805.64
11 13 19 23-0007	EA	8' x 20', 15,000 Lb. Fixed Platform Lift, Pit Mounted	38,037.95	1,074.18
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		Hydraulic Truck Lifts *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 Lb. Platform Truck Lift	33,598.68	1,842.35
11 13 19 26-0003	EA	10' x 20', 60,000 Lb. Platform Truck Lift	38,442.87	2,210.82
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		Truck Restraint System *(11 13 19 33)*		
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL-60) Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 Lb. restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.	11,078.57	451.23
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4) Note: Includes push button controls, warning lights, alarms, minimum 32,000 Lb. restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	11,577.98	451.23
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL) Note: Includes push button controls, warning lights, alarms, 30,000 Lb. holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.	8,242.48	451.23
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 Lb. Capacity Portable Platform Lift	12,983.73	115.48
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	374.83	76.68
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC	476.55	76.68
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	195.25	61.35
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	378.86	102.25
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	419.77	102.25
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	370.45	102.25
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	494.87	102.25
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	590.24	102.25
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	648.69	102.25
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	695.43	102.25
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	363.88	102.25
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	400.86	102.25
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	432.43	102.25
11 14		**Pedestrian Control Equipment** *(11 10)*		
11 14 13		**Pedestrian Gates** *(11 14)*		
11 14 13 16		**Rotary Gates** *(11 14 13)*		
11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	13,328.93	1,785.56
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	15,015.16	1,785.56
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	29,778.70	2,663.96
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	28,848.79	2,663.96
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	15,036.86	1,785.56
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	16,658.00	1,785.56
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	35,082.29	2,663.96
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	31,650.92	2,663.96
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	15,777.69	1,785.56
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	27,125.69	1,785.56
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	31,514.54	2,663.96
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	52,890.07	2,663.96
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,751.32	1,785.56
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	27,745.63	1,785.56
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	39,697.74	2,663.96
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	49,430.80	2,663.96
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	48,823.59	1,785.82
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	263.47	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	185.98	
11 14 13 16-0028		Electrical, One-Way *(11 14 13 16-0001)*		
11 14 13 16-0029		Galvanized Steel *(11 14 13 16-0028)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	14,075.95	1,785.56
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	15,765.29	1,785.56
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	32,568.43	2,663.96
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	30,054.58	2,663.96
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	32,568.43	2,663.96
11 14 13 16-0035		**Powder Coated Steel** *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	15,780.79	1,785.56
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	17,668.51	1,785.56
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	43,445.28	2,663.96
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	32,872.20	2,663.96
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	35,392.26	2,663.96
11 14 13 16-0041		**Anodized Aluminum** *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	16,090.76	1,785.56
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,051.67	1,785.56
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	28,055.60	1,785.56
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	33,222.47	2,663.96
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	36,908.01	2,663.96
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	54,498.81	2,663.96
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	26,316.67	1,785.56
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	28,145.49	1,785.56
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	45,512.78	2,663.96
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	51,820.67	2,663.96
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	57,087.06	2,663.96
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	44,555.30	1,785.82
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	47,146.65	1,785.82
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	48,278.04	1,785.82
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	79,373.90	2,663.96
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	84,364.42	2,663.96
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	15,154.65	1,785.56
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	16,893.58	1,785.56
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	38,495.06	2,663.96
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	31,979.49	2,663.96
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	16,726.20	1,785.56
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	18,722.40	1,785.56
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	44,381.39	2,663.96
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	34,812.62	2,663.96
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	17,153.96	1,785.56
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	18,071.47	1,785.56
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	29,292.38	1,785.56
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	35,389.16	2,663.96
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	56,510.52	2,663.96
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	27,364.37	1,785.56
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	29,224.19	1,785.56
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	46,281.51	2,663.96
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	53,370.52	2,663.96
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	59,225.85	2,663.96
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	45,454.22	1,785.82
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	47,890.58	1,785.82
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	49,288.55	1,785.82
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	81,264.72	2,663.96
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	85,914.27	2,663.96
11 14 13 16-0089		Electrical Options *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	1,032.20	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	725.33	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	238.68	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	238.68	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	189.08	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	185.98	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	170.48	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	4,330.28	
11 14 13 16-0098		Relocate Rotary Gate *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	5,245.01	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		Turnstiles *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	2,909.74	503.52
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	3,782.54	503.52
11 14 16		**Pedestrian Control Devices** *(11 14)*		
11 14 16 00-0001		Retractable Barrier *(11 14 16)*		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	99.37	20.79
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	181.55	20.79
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	222.63	20.79
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	366.44	20.79

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		Dairy Products *(11 21 63)*		
11 21 63 00-0002		Refrigerated Dairy Case *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	2,026.56	368.85
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		Refrigerated Milk Unit *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	9,950.27	267.80
11 21 63 00-0006		Refrigerated Ice Cream And Milk Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	11,032.32	294.09
11 21 63 00-0008		Ice Cream Dispenser *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	9,214.28	247.63
11 21 63 00-0010		Drop-In Ice Cream Freezer *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	2,297.85	61.63
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	3,002.75	80.58
11 21 63 00-0013		Ice Cream Cabinets *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	7,197.08	192.60
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	10,252.12	277.95
11 21 63 00-0016		Delicatessen Case, Service Deli *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	2,021.22	307.37
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	2,255.26	368.85
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	2,671.43	94.06
11 21 63 00-0020		Meat Case *(11 21 63)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,478.57	368.85
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,602.72	368.85
11 21 63 00-0023		Produce Case *(11 21 63)*		
11 21 63 00-0024	LF	Single Deck Produce Case	1,541.99	368.85
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,703.90	368.85
11 21 63 00-0026		Bottle Coolers *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	5,745.69	1,229.48
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	8,651.00	1,844.21
11 21 63 00-0029		Cold Pan Units *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	3,683.52	98.07
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	5,117.55	137.20
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	6,050.87	162.27
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	6,220.38	167.65
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	6,770.36	180.98
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	8,044.71	213.88
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	3,345.03	84.87

11 22 Banking Equipment *(11 20)*

11 22 13 Vault Equipment *(11 22)*

11 22 13 16 Safes *(11 22 13)*

11 22 13 16-0001		In Room Safes *(11 22 13 16)*		
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	848.75	13.34
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	794.39	13.34
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	827.01	13.34
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	924.85	13.34
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	957.47	13.34
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	990.09	13.34
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) Note: Includes security wire.	631.12	16.68
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) Note: Includes security wire.	652.86	16.68
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) Note: Includes security wire.	674.61	16.68

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001		Ranges With Ovens *(11 30 13 13)* Note: Free standing or slide in.		
11 30 13 13-0002		Electric Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0003	EA	20" Electric Range With Oven	844.69	92.38
		For Stainless Steel, Add	*164.98*	
11 30 13 13-0004	EA	24" Electric Range With Oven	882.51	92.38
		For Stainless Steel, Add	*174.44*	
11 30 13 13-0005	EA	30" Electric Range With Oven	846.85	92.38
		For Stainless Steel, Add	*188.62*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	1,012.30	92.38
11 30 13 13-0007		Gas Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0008	EA	20" Gas Range With Oven	939.24	92.38
		For Stainless Steel, Add	*188.62*	
11 30 13 13-0009	EA	24" Gas Range With Oven	988.40	92.38
		For Stainless Steel, Add	*200.91*	
11 30 13 13-0010	EA	30" Gas Range With Oven	1,033.78	92.38
		For Stainless Steel, Add	*212.25*	
11 30 13 13-0011		Range Hoods *(11 30 13 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0012		**Venting Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	287.37	69.29
		For Stainless Steel, Add	*22.32*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	265.27	69.29
		For Stainless Steel, Add	*19.00*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	261.39	69.29
		For Stainless Steel, Add	*18.42*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	265.27	69.29
		For Stainless Steel, Add	*19.00*	
11 30 13 13-0017		**Non-Ducted Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0018	EA	21" Non-Ducted Range Hood (Broan 41000)	290.23	69.29
		For Stainless Steel, Add	*22.75*	
11 30 13 13-0019	EA	24" Non-Ducted Range Hood (Broan 41000)	268.20	69.29
		For Stainless Steel, Add	*19.44*	
11 30 13 13-0020	EA	30" Non-Ducted Range Hood (Broan 41000)	264.31	69.29
		For Stainless Steel, Add	*18.86*	
11 30 13 13-0021	EA	36" Non-Ducted Range Hood (Broan 41000)	268.20	69.29
		For Stainless Steel, Add	*19.44*	
11 30 13 13-0022		**Microwaves** *(11 30 13 13)*		
11 30 13 13-0023		**Countertop Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	178.15	11.55
		For Stainless Steel, Add	*23.26*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	212.17	11.55
		For Stainless Steel, Add	*28.36*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	217.84	11.55
		For Stainless Steel, Add	*29.21*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	267.03	11.55
		For Stainless Steel, Add	*36.59*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	285.94	11.55
		For Stainless Steel, Add	*39.43*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	304.84	11.55
		For Stainless Steel, Add	*42.26*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	323.75	11.55
		For Stainless Steel, Add	*45.10*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	342.66	11.55
		For Stainless Steel, Add	*47.93*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	363.44	11.55
		For Stainless Steel, Add	*51.05*	
11 30 13 13-0033		**Over-The-Range Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	621.86	92.37
		For Stainless Steel, Add	*72.50*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	703.94	92.37
		For Stainless Steel, Add	*84.81*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	730.39	92.37
		For Stainless Steel, Add	*88.77*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	928.94	92.37
		For Stainless Steel, Add	*118.56*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	741.76	92.37
		For Stainless Steel, Add	*90.48*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	509.19	69.28
11 30 13 13-0040		**Trash Compactors** *(11 30 13 13)*		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,411.96	92.38
		For Stainless Steel, Add	*220.89*	
11 30 13 13-0042		**Refrigerators** *(11 30 13 13)*		
11 30 13 13-0043		**Top Freezer Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	697.45	46.20
		For Stainless Steel, Add	*90.76*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	846.85	46.20
		For Stainless Steel, Add	*113.17*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	943.27	46.20
		For Stainless Steel, Add	*127.63*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	999.99	46.20
		For Stainless Steel, Add	*136.14*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	1,151.27	46.20
		For Stainless Steel, Add	*158.83*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	1,281.76	46.20
		For Stainless Steel, Add	*178.41*	
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,378.17	46.20
		For Stainless Steel, Add	*192.87*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	1,365.06	46.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0052		**Side-By-Side Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,415.78	46.20
		For Stainless Steel, Add	*198.51*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,756.35	46.20
		For Stainless Steel, Add	*249.60*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	1,983.26	46.20
		For Stainless Steel, Add	*283.63*	
11 30 13 13-0056		**Other Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	231.70	23.10
		For Stainless Steel, Add	*27.83*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	316.79	23.10
		For Stainless Steel, Add	*40.59*	
11 30 13 13-0059		**Freezers** *(11 30 13 13)*		
11 30 13 13-0060		**Upright Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	657.76	46.20
		For Stainless Steel, Add	*84.81*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	846.85	46.20
		For Stainless Steel, Add	*113.17*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	903.58	46.20
		For Stainless Steel, Add	*121.68*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	1,035.94	46.20
		For Stainless Steel, Add	*141.53*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	1,189.08	46.20
		For Stainless Steel, Add	*164.51*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	1,264.74	46.20
		For Stainless Steel, Add	*175.85*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,321.45	46.20
		For Stainless Steel, Add	*184.36*	
11 30 13 13-0068		**Chest Freezers** *(11 30 13 13-0059)*		
11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	527.27	46.20
		For Stainless Steel, Add	*65.23*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	659.63	46.20
		For Stainless Steel, Add	*85.09*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	706.92	46.20
		For Stainless Steel, Add	*92.18*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	791.99	46.20
		For Stainless Steel, Add	*104.94*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	846.85	46.20
		For Stainless Steel, Add	*113.17*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	1,035.94	46.20
		For Stainless Steel, Add	*141.53*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	1,281.76	46.20
		For Stainless Steel, Add	*178.41*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,321.45	46.20
		For Stainless Steel, Add	*184.36*	
11 30 13 13-0077		**Automatic Ice Makers** *(11 30 13 13)*		
11 30 13 13-0078	EA	15" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,450.07	92.38
11 30 13 13-0079	EA	18" Wide, 50 Lb. Per Day, Automatic Ice Maker	2,733.70	92.38
11 30 13 13-0080		**Built-In Dishwashers** *(11 30 13 13)*		
11 30 13 13-0081	EA	18" Built-In Dishwasher	1,186.93	92.38
		For Stainless Steel, Add	*150.32*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	789.84	92.38
		For Stainless Steel, Add	*90.76*	
11 30 13 13-0083		**Removal And Reinstallation Of Kitchen Equipment** *(11 30 13 13)*		
		Note: Includes storage, cleaning and final connections.		
11 30 13 13-0084	EA	Removal And Reinstallation Of Garbage Disposal	138.58	
11 30 13 13-0085	EA	Removal And Reinstallation Of Stove/Range	277.15	
11 30 13 13-0086	EA	Removal And Reinstallation Of Dishwasher	295.63	
11 30 13 13-0087	EA	Removal And Reinstallation Of Range Hood	138.58	
11 30 13 13-0088	EA	Removal And Reinstallation Of Washer And Dryer	230.97	
11 30 13 13-0089		**Appliance Repair** *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0090	EA	8" Burner Replacement	28.97	
11 30 13 13-0091	EA	4" Burner Element Replacement	51.97	
11 30 13 13-0092	EA	8" Burner Element Replacement	59.70	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0093	EA	Burner Manifold Replacement	195.96	
11 30 13 13-0094	EA	Burner Switch Replacement	81.98	
11 30 13 13-0095	EA	Burner Tube, 5/8" x 4' Replacement	37.06	
11 30 13 13-0096	EA	Oven Control Replacement	99.47	
11 30 13 13-0097	EA	Oven Door Gasket Replacement	38.38	
11 30 13 13-0098	EA	Oven Element Replacement	93.71	
11 30 13 13-0099	EA	Oven Igniter Replacement	67.72	
11 30 13 13-0100	EA	Oven Knobs Replacement	52.03	
11 30 13 13-0101		Accessories *(11 30 13 13)*		
11 30 13 13-0102	SF	Colored Metal Range Splash Plate	18.35	3.69
11 30 13 13-0103	SF	Stainless Steel Range Splash Plate	27.16	3.69
11 30 13 13-0104		Automatic Water Softener *(11 30 13 13)*		
11 30 13 13-0105	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,266.07	226.34
11 30 13 13-0106	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,498.34	226.34
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		Washing Machines And Dryers *(11 30 13 23)*		
11 30 13 23-0002		Washing Machines *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	913.83	92.38
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,462.19	92.38
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,934.92	92.38
11 30 13 23-0006		Dryers *(11 30 13 23-0001)*		
11 30 13 23-0007		Electric Dryers *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	703.96	92.38
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	894.92	92.38
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	1,102.92	92.38
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	1,254.19	92.38
11 30 13 23-0012		Gas Dryers *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	838.19	92.38
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	1,027.28	92.38
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	1,216.17	92.38
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,386.56	92.38
11 30 33		**Retractable Stairs** *(11 30)*		
11 30 33 00-0001		Disappearing Folding Access Stairs *(11 30 33)*		
11 30 33 00-0002		250 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	919.61	266.92
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	938.15	266.92
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	938.15	266.92
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 Lb. Capacity	956.24	266.92
11 30 33 00-0007		350 Lb. Capacity, Wood Folding Access Stairs *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,088.91	266.92
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,126.40	266.92
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,110.99	266.92
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,146.82	266.92
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,132.40	266.92
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 Lb. Capacity	1,194.33	266.92
11 30 33 00-0014		400 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)* Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015	EA	24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,207.18	266.92
11 30 33 00-0016	EA	24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,285.48	266.92
11 30 33 00-0017	EA	24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,363.78	266.92
11 30 33 00-0018	EA	24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 Lb. Capacity	2,415.98	266.92
11 30 33 00-0019		600 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)* Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0020	EA	24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,598.68	266.92
		For Ladder Width 18 7/8" Wide, Add	*289.71*	
11 30 33 00-0021	EA	24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,650.88	266.92
		For Ladder Width 18 7/8" Wide, Add	*297.54*	
11 30 33 00-0022	EA	24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,676.98	266.92
		For Ladder Width 18 7/8" Wide, Add	*301.46*	
11 30 33 00-0023	EA	24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,755.28	266.92
		For Ladder Width 18 7/8" Wide, Add	*313.20*	
11 30 33 00-0024	EA	24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	2,926.42	266.92
		For Ladder Width 18 7/8" Wide, Add	*328.86*	
11 30 33 00-0025	EA	24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,056.92	266.92
		For Ladder Width 18 7/8" Wide, Add	*348.44*	
11 30 33 00-0026	EA	24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 Lb. Capacity	3,187.42	266.92
		For Ladder Width 18 7/8" Wide, Add	*368.01*	

11 30 33 00-0027 800 Lb. Capacity, Wood One Piece Pull Down Access Stairs *(11 30 33 00-0001)*

Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.

11 30 33 00-0028	EA	30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,857.82	266.92
11 30 33 00-0029	EA	30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,910.02	266.92
11 30 33 00-0030	EA	30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	4,962.22	266.92
11 30 33 00-0031	EA	30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,092.72	266.92
11 30 33 00-0032	EA	30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,237.74	266.92
11 30 33 00-0033	EA	30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,316.04	266.92
11 30 33 00-0034	EA	30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,446.54	266.92
11 30 33 00-0035	EA	30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,695.98	266.92
11 30 33 00-0036	EA	30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	5,930.88	266.92
11 30 33 00-0037	EA	30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,217.98	266.92
11 30 33 00-0038	EA	30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 Lb. Capacity	6,478.98	266.92

11 30 33 00-0039 300 Lb. Capacity, Aluminum Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0040	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	872.42	266.92
11 30 33 00-0041	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	903.92	266.92
11 30 33 00-0042	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	881.19	266.92
11 30 33 00-0043	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	912.69	266.92
11 30 33 00-0044	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 Lb. Capacity	1,088.09	266.92

11 30 33 00-0045 300 Lb. Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0046	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	943.05	266.92
11 30 33 00-0047	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 Lb. Capacity	986.50	266.92

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen *(11 32 13)*

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,761.62	614.50
		For Gas Unit, Add	*291.34*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,341.97	430.15
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,141.08	368.71
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	712.17	200.11
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,416.14	266.82
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	85.55	18.47
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	76.91	18.47

11 32 13 00-0009 42" Compact Kitchen *(11 32 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	3,213.08	675.96
		For Gas Unit, Add	*346.77*	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,894.50	553.05
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	895.50	226.80
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,640.11	300.17
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	102.88	18.47
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	85.87	18.47
11 32 13 00-0016		54" Compact Kitchen *(11 32 13)*		
11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,346.00	860.31
		For Gas Unit, Add	*479.84*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	1,105.51	133.41
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,823.78	333.53
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	119.75	18.47
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	89.37	18.47
11 32 13 00-0022		60" Compact Kitchen *(11 32 13)*		
11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,572.88	921.76
		For Gas Unit, Add	*501.58*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,316.90	333.53
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	127.04	18.47
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	89.37	18.47
11 32 13 00-0027		72" Compact Kitchen *(11 32 13)*		
11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,903.73	983.21
		For Gas Unit, Add	*538.92*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,606.27	400.24
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	148.25	23.10
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	93.57	23.10

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001 Frozen Food Cases *(11 41 13)*

11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,530.78	368.85
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,962.12	368.85
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,782.32	368.85
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,840.39	368.85

11 41 13 00-0006 Reach-In Refrigeration *(11 41 13)*

11 41 13 00-0007 Reach-In Refrigerators *(11 41 13 00-0006)*

11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	7,069.35	154.00
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	8,702.99	194.24
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	11,674.69	214.59
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	6,071.12	154.00
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	7,902.62	194.24
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	10,539.60	214.59
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	8,524.44	154.00
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	11,545.90	194.24
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	8,278.28	154.00
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	11,946.50	194.24

11 41 13 00-0018 Reach-In Freezers *(11 41 13 00-0006)*

11 41 13 00-0019	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	7,971.50	154.19
11 41 13 00-0020	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	10,581.24	193.96

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall height includes 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0002		**Walk-In Refrigerated Unit, 7'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.		
11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,766.26	1,611.27
		For Refrigerated Boxes Without Floor, Deduct	*-4,404.38*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,708.56	1,812.67
		For Refrigerated Boxes Without Floor, Deduct	*-5,322.92*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,034.10	2,014.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,587.16*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,202.45	2,416.90
		For Refrigerated Boxes Without Floor, Deduct	*-6,245.41*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,508.33	2,819.72
		For Refrigerated Boxes Without Floor, Deduct	*-7,187.68*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,852.06	3,222.54
		For Refrigerated Boxes Without Floor, Deduct	*-7,888.65*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,132.12	3,625.35
		For Refrigerated Boxes Without Floor, Deduct	*-8,574.58*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,113.24	2,014.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,856.95*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,570.92	2,215.49
		For Refrigerated Boxes Without Floor, Deduct	*-6,404.43*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,097.77	2,618.31
		For Refrigerated Boxes Without Floor, Deduct	*-7,151.29*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,851.76	3,021.13
		For Refrigerated Boxes Without Floor, Deduct	*-8,205.90*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,444.27	3,423.95
		For Refrigerated Boxes Without Floor, Deduct	*-8,970.16*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,161.18	3,826.76
		For Refrigerated Boxes Without Floor, Deduct	*-9,764.48*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,751.40	4,229.58
		For Refrigerated Boxes Without Floor, Deduct	*-10,528.74*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,454.60	4,632.40
		For Refrigerated Boxes Without Floor, Deduct	*-11,319.11*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,062.90	5,035.21
		For Refrigerated Boxes Without Floor, Deduct	*-12,087.32*	
11 41 23 00-0019		**Walk-In Refrigerated Unit, 7'6" High With Floor** *(11 41 23 00-0001)* Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.		
11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,462.05	2,416.90
		For Refrigerated Boxes Without Floor, Deduct	*-7,310.31*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,347.03	2,819.72
		For Refrigerated Boxes Without Floor, Deduct	*-8,147.35*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,415.46	3,222.54
		For Refrigerated Boxes Without Floor, Deduct	*-9,029.50*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,239.85	3,625.35
		For Refrigerated Boxes Without Floor, Deduct	*-9,851.51*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,376.67	4,028.17
		For Refrigerated Boxes Without Floor, Deduct	*-10,752.64*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	52,194.97	4,430.99
		For Refrigerated Boxes Without Floor, Deduct	*-11,570.70*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,347.93	4,833.81
		For Refrigerated Boxes Without Floor, Deduct	*-12,476.57*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,152.56	5,236.62
		For Refrigerated Boxes Without Floor, Deduct	*-13,293.84*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,295.13	5,639.44
		For Refrigerated Boxes Without Floor, Deduct	*-14,194.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	68,124.29	6,042.25
		For Refrigerated Boxes Without Floor, Deduct	*-15,016.99*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,535.23	6,646.48
		For Refrigerated Boxes Without Floor, Deduct	*-15,918.91*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	76,596.86	7,250.71
		For Refrigerated Boxes Without Floor, Deduct	*-16,736.17*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,222.10	3,021.13
		For Refrigerated Boxes Without Floor, Deduct	*-9,048.48*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,764.00	3,423.95
		For Refrigerated Boxes Without Floor, Deduct	*-10,050.09*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,908.13	3,826.76
		For Refrigerated Boxes Without Floor, Deduct	*-10,951.22*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,428.76	4,229.58
		For Refrigerated Boxes Without Floor, Deduct	*-11,948.08*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,593.99	4,632.40
		For Refrigerated Boxes Without Floor, Deduct	*-12,853.96*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	62,113.71	5,035.21
		For Refrigerated Boxes Without Floor, Deduct	*-13,850.03*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,249.53	5,438.03
		For Refrigerated Boxes Without Floor, Deduct	*-14,751.16*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,797.46	5,840.84
		For Refrigerated Boxes Without Floor, Deduct	*-15,752.76*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,078.11	6,344.37
		For Refrigerated Boxes Without Floor, Deduct	*-16,653.89*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,870.27	6,948.60
		For Refrigerated Boxes Without Floor, Deduct	*-17,650.75*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,296.94	7,552.82
		For Refrigerated Boxes Without Floor, Deduct	*-18,556.63*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	89,078.16	8,157.05
		For Refrigerated Boxes Without Floor, Deduct	*-19,552.70*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,479.90	8,761.27
		For Refrigerated Boxes Without Floor, Deduct	*-20,453.83*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	53,328.68	3,625.35
		For Refrigerated Boxes Without Floor, Deduct	*-12,123.72*	
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	58,433.88	4,028.17
		For Refrigerated Boxes Without Floor, Deduct	*-13,266.94*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,980.07	4,430.99
		For Refrigerated Boxes Without Floor, Deduct	*-14,516.97*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,085.59	4,833.81
		For Refrigerated Boxes Without Floor, Deduct	*-15,660.99*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,602.29	5,236.62
		For Refrigerated Boxes Without Floor, Deduct	*-16,906.27*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	79,735.39	5,639.44
		For Refrigerated Boxes Without Floor, Deduct	*-18,055.04*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	85,257.62	6,042.25
		For Refrigerated Boxes Without Floor, Deduct	*-19,300.32*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,636.94	6,646.48
		For Refrigerated Boxes Without Floor, Deduct	*-20,444.33*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	96,429.63	7,250.71
		For Refrigerated Boxes Without Floor, Deduct	*-21,694.37*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	101,840.38	7,854.94
		For Refrigerated Boxes Without Floor, Deduct	*-22,837.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	107,607.52	8,459.15
		For Refrigerated Boxes Without Floor, Deduct	*-24,083.66*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,011.05	8,962.68
		For Refrigerated Boxes Without Floor, Deduct	*-25,231.64*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	64,065.10	4,229.58
		For Refrigerated Boxes Without Floor, Deduct	*-14,607.17*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	70,015.19	4,632.40
		For Refrigerated Boxes Without Floor, Deduct	*-15,959.26*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,762.78	5,035.21
		For Refrigerated Boxes Without Floor, Deduct	*-17,262.29*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,721.43	5,438.03
		For Refrigerated Boxes Without Floor, Deduct	*-18,619.13*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,475.08	5,840.84
		For Refrigerated Boxes Without Floor, Deduct	*-19,922.17*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,559.58	6,344.37
		For Refrigerated Boxes Without Floor, Deduct	*-21,274.26*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	99,595.44	6,948.60
		For Refrigerated Boxes Without Floor, Deduct	*-22,582.05*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	105,806.97	7,552.82
		For Refrigerated Boxes Without Floor, Deduct	*-23,934.14*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,816.06	8,157.05
		For Refrigerated Boxes Without Floor, Deduct	*-25,237.17*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	118,040.63	8,761.27
		For Refrigerated Boxes Without Floor, Deduct	*-26,594.01*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,079.41	4,833.81
		For Refrigerated Boxes Without Floor, Deduct	*-17,159.44*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	81,197.38	5,236.62
		For Refrigerated Boxes Without Floor, Deduct	*-18,555.05*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	87,656.47	5,639.44
		For Refrigerated Boxes Without Floor, Deduct	*-20,035.31*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	93,764.16	6,042.25
		For Refrigerated Boxes Without Floor, Deduct	*-21,426.95*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,504.27	6,646.48
		For Refrigerated Boxes Without Floor, Deduct	*-22,911.17*	
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	106,863.43	7,250.71
		For Refrigerated Boxes Without Floor, Deduct	*-24,302.82*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	113,622.32	7,854.94
		For Refrigerated Boxes Without Floor, Deduct	*-25,783.07*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	119,987.58	8,459.15
		For Refrigerated Boxes Without Floor, Deduct	*-27,178.68*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	126,720.25	9,063.38
		For Refrigerated Boxes Without Floor, Deduct	*-28,658.94*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	133,337.67	9,801.88
		For Refrigerated Boxes Without Floor, Deduct	*-30,050.58*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,911.86	1,611.27
		For Refrigerated Boxes Without Floor, Deduct	*-4,690.78*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,151.61	1,812.67
		For Refrigerated Boxes Without Floor, Deduct	*-5,433.68*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,489.83	2,014.08
		For Refrigerated Boxes Without Floor, Deduct	*-5,951.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,873.38	2,416.90
		For Refrigerated Boxes Without Floor, Deduct	*-6,663.14*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,274.20	2,819.72
		For Refrigerated Boxes Without Floor, Deduct	*-7,629.15*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,833.12	3,222.54
		For Refrigerated Boxes Without Floor, Deduct	*-8,383.91*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,208.12	3,625.35
		For Refrigerated Boxes Without Floor, Deduct	*-9,093.58*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,689.23	2,014.08
		For Refrigerated Boxes Without Floor, Deduct	*-6,250.95*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,241.85	2,215.49
		For Refrigerated Boxes Without Floor, Deduct	*-6,822.16*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,983.89	2,618.31
		For Refrigerated Boxes Without Floor, Deduct	*-7,622.82*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,832.83	3,021.13
		For Refrigerated Boxes Without Floor, Deduct	*-8,701.17*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,640.53	3,423.95
		For Refrigerated Boxes Without Floor, Deduct	*-9,519.22*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,452.37	3,826.76
		For Refrigerated Boxes Without Floor, Deduct	*-10,337.28*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,257.79	4,229.58
		For Refrigerated Boxes Without Floor, Deduct	*-11,155.34*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,055.93	4,632.40
		For Refrigerated Boxes Without Floor, Deduct	*-11,969.44*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	57,879.43	5,035.21
		For Refrigerated Boxes Without Floor, Deduct	*-12,791.46*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,227.91	2,416.90
		For Refrigerated Boxes Without Floor, Deduct	*-7,751.77*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,328.09	2,819.72
		For Refrigerated Boxes Without Floor, Deduct	*-8,642.62*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,491.46	3,222.54
		For Refrigerated Boxes Without Floor, Deduct	*-9,548.50*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,531.04	3,625.35
		For Refrigerated Boxes Without Floor, Deduct	*-10,424.31*	
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	50,762.81	4,028.17
		For Refrigerated Boxes Without Floor, Deduct	*-11,349.17*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	54,796.30	4,430.99
		For Refrigerated Boxes Without Floor, Deduct	*-12,221.03*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	59,044.20	4,833.81
		For Refrigerated Boxes Without Floor, Deduct	*-13,150.64*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	63,064.03	5,236.62
		For Refrigerated Boxes Without Floor, Deduct	*-14,021.71*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	67,301.53	5,639.44
		For Refrigerated Boxes Without Floor, Deduct	*-14,946.57*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,345.89	6,042.25
		For Refrigerated Boxes Without Floor, Deduct	*-15,822.39*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	75,851.77	6,646.48
		For Refrigerated Boxes Without Floor, Deduct	*-16,748.04*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	80,128.59	7,150.00
		For Refrigerated Boxes Without Floor, Deduct	*-17,619.11*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,418.36	3,021.13
		For Refrigerated Boxes Without Floor, Deduct	*-9,597.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	47,055.19	3,423.95
		For Refrigerated Boxes Without Floor, Deduct	*-10,622.89*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,414.52	3,826.76
		For Refrigerated Boxes Without Floor, Deduct	*-11,577.82*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	56,030.09	4,229.58
		For Refrigerated Boxes Without Floor, Deduct	*-12,598.41*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	60,410.52	4,632.40
		For Refrigerated Boxes Without Floor, Deduct	*-13,558.09*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	65,025.17	5,035.21
		For Refrigerated Boxes Without Floor, Deduct	*-14,577.89*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	69,376.19	5,438.03
		For Refrigerated Boxes Without Floor, Deduct	*-15,532.82*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	74,019.06	5,840.84
		For Refrigerated Boxes Without Floor, Deduct	*-16,558.16*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,514.90	6,344.37
		For Refrigerated Boxes Without Floor, Deduct	*-17,513.09*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	83,402.00	6,948.60
		For Refrigerated Boxes Without Floor, Deduct	*-18,533.69*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,043.87	7,552.82
		For Refrigerated Boxes Without Floor, Deduct	*-19,493.36*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	92,920.03	8,157.05
		For Refrigerated Boxes Without Floor, Deduct	*-20,513.17*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,536.96	8,761.27
		For Refrigerated Boxes Without Floor, Deduct	*-21,468.09*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	55,714.81	3,625.35
		For Refrigerated Boxes Without Floor, Deduct	*-12,720.25*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	61,035.21	4,028.17
		For Refrigerated Boxes Without Floor, Deduct	*-13,917.27*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,676.34	4,430.99
		For Refrigerated Boxes Without Floor, Deduct	*-15,191.04*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	71,997.05	4,833.81
		For Refrigerated Boxes Without Floor, Deduct	*-16,388.85*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	77,608.69	5,236.62
		For Refrigerated Boxes Without Floor, Deduct	*-17,657.87*	
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	82,956.98	5,639.44
		For Refrigerated Boxes Without Floor, Deduct	*-18,860.43*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	88,574.16	6,042.25
		For Refrigerated Boxes Without Floor, Deduct	*-20,129.45*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	94,168.68	6,646.48
		For Refrigerated Boxes Without Floor, Deduct	*-21,327.27*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	100,056.30	7,250.71
		For Refrigerated Boxes Without Floor, Deduct	*-22,601.03*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	105,682.25	7,854.94
		For Refrigerated Boxes Without Floor, Deduct	*-23,798.06*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	111,544.33	8,459.15
		For Refrigerated Boxes Without Floor, Deduct	*-25,067.87*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	117,163.05	9,063.38
		For Refrigerated Boxes Without Floor, Deduct	*-26,269.64*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	66,881.62	4,229.58
		For Refrigerated Boxes Without Floor, Deduct	*-15,311.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	72,926.65	4,632.40
		For Refrigerated Boxes Without Floor, Deduct	*-16,687.12*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,889.44	5,035.21
		For Refrigerated Boxes Without Floor, Deduct	*-18,043.96*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,943.03	5,438.03
		For Refrigerated Boxes Without Floor, Deduct	*-19,424.53*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,911.88	5,840.84
		For Refrigerated Boxes Without Floor, Deduct	*-20,781.37*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,091.31	6,344.37
		For Refrigerated Boxes Without Floor, Deduct	*-22,157.19*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	103,342.36	6,948.60
		For Refrigerated Boxes Without Floor, Deduct	*-23,518.78*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	109,648.83	7,552.82
		For Refrigerated Boxes Without Floor, Deduct	*-24,894.60*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	115,873.12	8,157.05
		For Refrigerated Boxes Without Floor, Deduct	*-26,251.44*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	122,192.63	8,761.27
		For Refrigerated Boxes Without Floor, Deduct	*-27,632.01*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	78,085.81	4,833.81
		For Refrigerated Boxes Without Floor, Deduct	*-17,911.04*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	84,418.98	5,236.62
		For Refrigerated Boxes Without Floor, Deduct	*-19,360.45*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	90,973.00	5,639.44
		For Refrigerated Boxes Without Floor, Deduct	*-20,864.44*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	97,295.89	6,042.25
		For Refrigerated Boxes Without Floor, Deduct	*-22,309.89*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	104,130.95	6,646.48
		For Refrigerated Boxes Without Floor, Deduct	*-23,817.84*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	110,705.29	7,250.71
		For Refrigerated Boxes Without Floor, Deduct	*-25,263.28*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	117,559.13	7,854.94
		For Refrigerated Boxes Without Floor, Deduct	*-26,767.28*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	124,139.58	8,459.15
		For Refrigerated Boxes Without Floor, Deduct	*-28,216.68*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	130,967.19	9,063.38
		For Refrigerated Boxes Without Floor, Deduct	*-29,720.67*	
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	137,799.81	9,801.88
		For Refrigerated Boxes Without Floor, Deduct	*-31,166.12*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	1.34
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	2.49
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	3.50
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	24.68
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	32.28
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	3.98
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	9.79
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	12.66
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	13.29
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-17.87
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	7.45
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	19.32
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	16.94
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	54.91

11 41 23 00-0171 Air-Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,639.38	169.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,945.15	198.05
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,851.30	226.34
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,383.61	254.63
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,132.62	282.92
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,127.86	339.50
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	12,438.38	396.09
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,327.38	452.67
11 41 23 00-0182		208/230 Volt, 3 Phase *(11 41 23 00-0172)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,861.21	226.34
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,383.61	254.63
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,221.83	282.92
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,021.67	339.50
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,438.38	396.09
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,204.19	452.67
11 41 23 00-0189		Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0190		208/230 Volt, 1 Phase *(11 41 23 00-0189)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,840.83	169.75
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,328.21	198.05
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,144.88	226.34
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,400.10	254.63
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,868.57	282.92
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,821.00	339.50
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,462.33	396.09
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,190.39	452.67
11 41 23 00-0199		208/230 Volt, 3 Phase *(11 41 23 00-0189)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,103.59	226.34
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,416.84	254.63
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,955.63	282.92
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,738.41	339.50
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,488.00	396.09
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,087.70	452.67
11 41 23 00-0206		Low Temperature Hermetic System, Indoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0207		208/230 Volt, 1 Phase *(11 41 23 00-0206)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,419.57	169.75
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,644.62	198.05
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,950.42	226.34
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,414.76	254.63
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,063.24	282.92
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,517.25	339.50
11 41 23 00-0214		208/230 Volt, 3 Phase *(11 41 23 00-0206)*		
		Note: Pre-Assembled indoor R404a.		
11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,960.33	226.34
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,414.76	254.63
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,155.28	282.92
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,415.30	339.50
11 41 23 00-0219		Low Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*		
		Note: Consists of air-cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0220		208/230 Volt, 1 Phase *(11 41 23 00-0219)*		
		Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,705.82	169.75
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,788.06	198.05
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,099.12	226.34
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,609.93	254.63
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,211.22	282.92
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,114.54	339.50

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0227			208/230 Volt, 3 Phase *(11 41 23 00-0219)*		
			Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,301.14	226.34
	11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,709.27	254.63
	11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,291.58	282.92
	11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,033.06	339.50
11 41 23 00-0232			Medium Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
			Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0233			208/230 Volt, 1 Phase *(11 41 23 00-0232)*		
			Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,280.33	226.34
	11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,708.65	452.67
11 41 23 00-0236			208/230 Volt, 3 Phase *(11 41 23 00-0232)*		
			Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,286.00	226.34
	11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,097.95	282.92
	11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	12,615.32	339.50
	11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,477.85	452.67
11 41 23 00-0241			Medium Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)*		
			Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0242			208/230 Volt, 1 Phase *(11 41 23 00-0241)*		
			Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,397.13	226.34
	11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	15,792.15	452.67
11 41 23 00-0245			208/230 Volt, 3 Phase *(11 41 23 00-0241)*		
			Note: Pre-Assembled outdoor R404a.		
	11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,408.29	226.34
	11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,563.91	282.92
	11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,891.45	339.50
	11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	14,264.18	452.67
11 41 23 00-0250			Low Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*		
			Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251			208/230 Volt, 1 Phase *(11 41 23 00-0250)*		
			Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,467.28	198.05
	11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,968.48	226.34
	11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,357.43	254.63
	11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,848.40	282.92
	11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	13,726.84	339.50
11 41 23 00-0257			208/230 Volt, 3 Phase *(11 41 23 00-0250)*		
			Note: Pre-Assembled indoor R404a.		
	11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,427.64	198.05
	11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,962.82	226.34
	11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,303.62	254.63
	11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,754.94	282.92
	11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	13,229.84	339.50
	11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	18,546.74	396.09
	11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	19,504.94	509.26
	11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	28,201.54	594.14

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air-cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,576.04	198.05
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,892.68	226.34
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	8,020.71	254.63
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,215.77	282.92
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,545.49	339.50
11 41 23 00-0273		**208/230 Volt, 3 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,477.82	198.05
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,897.15	226.34
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,003.97	254.63
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,133.18	282.92
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	11,191.68	339.50
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	16,323.08	396.09
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	17,224.49	509.26
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	24,245.05	594.14
11 41 23 00-0282		**Walk-In Refrigerated Boxes Accessories** *(11 41 23)*		
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	1,498.34	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,096.46	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	2,096.46	
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	2,479.95	
11 41 23 00-0288	EA	Heated Air Vent, Kason	818.51	
11 41 23 00-0289	EA	Heated Air Vent, Polyvinyl Chloride (PVC), Bally	2,100.19	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	3,140.68	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	3,441.32	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	3,789.43	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	1,222.91	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	2,311.55	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	2,311.55	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	236.78	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	1,366.55	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	3,107.10	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	3,268.50	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	1,524.79	
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	831.73	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	958.32	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	958.32	
11 41 23 00-0304	EA	Locking Devices, Cooler, Mortise Dead Bolt	1,755.80	
11 41 23 00-0305	EA	Locking Devices, Freezer, Mortise Dead Bolt	2,173.54	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	3,533.10	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	3,735.63	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	3,843.23	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	174.05	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	142.41	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	439.88	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	237.35	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	539.91	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	388.01	
11 41 23 00-0315	EA	4" Screed Door	951.43	
11 41 23 00-0316	EA	Doors Cut For Tile	1,179.28	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	1,179.28	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	2,853.37	
11 41 23 00-0319	EA	57-1/2" Door Section	707.75	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	657.68	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	332.20	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	620.94	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	798.16	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	82.87	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	108.97	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	160.40	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	259.30	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	44.37	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	11.56	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	55.38	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	21.83	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	85.45	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	111.44	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	39.95	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	17.41	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	49.62	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	97.53	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	118.55	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	677.14	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	604.36	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	2,031.61	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	186.62	
11 41 23 00-0343	LF	Extra Capillary Tubing	26.83	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,336.99	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*360.14*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	7,995.61	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*392.73*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,223.85	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*403.81*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,895.14	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*437.04*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	8,705.64	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*427.23*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,361.10	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*459.66*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	9,557.69	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*469.16*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,491.65	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*515.52*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,074.31	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*494.32*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,732.93	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*526.91*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	10,976.99	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*538.78*	
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	11,638.78	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*571.53*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	13,424.39	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*660.48*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,014.22	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*394.00*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,571.58	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*421.53*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	8,840.95	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*434.66*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,585.03	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*471.53*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	9,357.56	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*459.82*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,098.46	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*496.53*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,371.00	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*509.82*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,111.92	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*546.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	10,884.46	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*534.82*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,625.36	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*571.53*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	11,897.90	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*584.82*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,638.81	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*621.53*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	12,411.33	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*609.83*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	3,142.48	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	3,433.63	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	3,462.11	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	3,829.21	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	4,202.64	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	4,468.46	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	4,484.29	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	5,218.48	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	4,272.26	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	5,291.27	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	5,648.87	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	5,769.13	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	6,506.49	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	7,221.70	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	7,354.61	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	7,845.13	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	3,373.50	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	3,553.89	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,778.60	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	4,098.20	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	4,550.75	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	4,762.78	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	4,778.60	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	5,690.01	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,075.41	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,132.75	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,266.06	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,336.07	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,450.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,246.68	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,275.55	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,412.02	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,475.69	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,688.50	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,361.00	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,374.05	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,573.80	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,580.52	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	1,824.96	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	910.85	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	955.53	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,050.86	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,070.24	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,222.91	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,006.17	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,079.34	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,143.03	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,156.07	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,368.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,107.83	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,149.36	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,235.18	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,279.88	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	1,499.00	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,512.79	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,803.86	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,859.60	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,915.35	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,526.90	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,637.17	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,800.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,101.65	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,226.02	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,945.43	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,849.80	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,111.45	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,412.32	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,536.71	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	4,491.43	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,266.45	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,368.10	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,485.58	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,593.56	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,727.24	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,510.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,545.71	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,710.65	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,793.31	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,053.58	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,650.14	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,701.16	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,888.25	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	1,926.62	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	2,218.52	
		For Cantilever Shelving, Add	*472.00*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,067.08	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,121.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,238.74	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,261.27	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,448.76	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,213.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,298.87	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,489.12	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,470.52	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,648.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,336.84	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,387.86	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,495.83	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,546.86	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	1,819.78	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,067.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,429.48	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,497.48	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,565.48	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,326.56	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,221.12	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,423.94	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,798.35	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,952.14	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,848.04	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,485.23	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,810.61	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,185.02	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	4,338.81	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	5,528.87	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,572.05	104.19
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	3,393.75	137.54
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	3,895.29	157.69
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	2,492.92	100.59

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	238.08	7.70

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	694.56	23.48
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	804.98	26.54
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	957.00	31.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	520.45	17.36
11 41 31 00-0013		Tray And Silverware Cart *(11 41 31)*		
11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	2,402.35	79.24
11 41 31 00-0015		Flat Top Utility Units *(11 41 31)*		
11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,637.93	54.17
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	2,194.93	72.39
11 41 33		**Foodservice Shelving** *(11 41)*		
11 41 33 00-0001		Shelving/Racks *(11 41 33)*		
11 41 33 00-0002		Chrome Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0003		54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*		
11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	331.87	37.22
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	350.01	37.52
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	372.50	37.83
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	386.41	38.15
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	413.13	38.45
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	435.71	38.76
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	453.85	39.07
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	494.49	39.68
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	362.92	37.52
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	376.81	37.83
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	390.74	38.15
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	430.45	38.45
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	457.26	38.76
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	492.64	39.07
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	506.46	39.37
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	555.84	39.99
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	381.15	37.83
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	412.21	38.15
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	434.79	38.45
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	461.50	38.76
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	479.73	39.07
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	523.79	39.37
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	546.26	39.68
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	604.21	40.29
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	420.96	38.15
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	439.12	38.45
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	452.93	38.76
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	488.39	39.07
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	510.88	39.37
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	554.92	39.68
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	585.97	39.99
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	661.23	40.60
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	559.90	38.45
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	629.72	38.76
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	673.85	39.07
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	774.01	39.37
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	619.60	39.68
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	685.28	39.99
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	768.05	40.29
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	902.06	40.91
11 41 33 00-0044		63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*		
11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	336.12	37.22
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	354.26	37.52
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	376.73	37.83
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	390.65	38.15
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	417.37	38.45
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	439.93	38.76
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	458.09	39.07
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	498.71	39.68
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	367.14	37.52
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	381.06	37.83
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	394.99	38.15
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	434.68	38.45
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	461.50	38.76
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	496.86	39.07
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	510.70	39.37
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	518.16	39.99
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	385.39	37.83
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	416.45	38.15
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	439.01	38.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	465.73	38.76
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	483.97	39.07
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	528.01	39.37
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	550.50	39.68
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	608.45	40.29
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	425.20	38.15
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	443.34	38.45
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	457.17	38.76
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	492.64	39.07
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	515.12	39.37
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	559.14	39.68
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	590.19	39.99
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	665.47	40.60
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	564.12	38.45
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	633.96	38.76
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	678.07	39.07
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	778.23	39.37
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	623.82	39.68
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	689.51	39.99
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	772.33	40.29
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	906.29	40.91
11 41 33 00-0085		**66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	338.33	37.22
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	356.47	37.52
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	378.94	37.83
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	392.86	38.15
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	419.58	38.45
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	442.14	38.76
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	460.30	39.07
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	500.92	39.68
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	369.37	37.52
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	383.27	37.83
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	397.20	38.15
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	436.91	38.45
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	463.71	38.76
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	499.07	39.07
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	512.91	39.37
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	562.30	39.99
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	387.60	37.83
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	418.66	38.15
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	441.22	38.45
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	467.94	38.76
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	486.18	39.07
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	530.22	39.37
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	552.71	39.68
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	610.66	40.29
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	427.41	38.15
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	445.55	38.45
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	459.38	38.76
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	494.85	39.07
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	517.33	39.37
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	561.38	39.68
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	592.40	39.99
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	667.68	40.60
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	566.33	38.45
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	636.17	38.76
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	680.30	39.07
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	780.44	39.37
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	626.03	39.68
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	691.72	39.99
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	774.52	40.29
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	908.50	40.91
11 41 33 00-0126		**74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	344.76	37.22
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	362.92	37.52
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	385.39	37.83
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	399.32	38.15
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	426.03	38.45
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	448.59	38.76
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	466.76	39.07
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	507.38	39.68
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	375.81	37.52
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	389.72	37.83
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	403.65	38.15
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	443.34	38.45
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	470.15	38.76
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	505.53	39.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	519.37	39.37
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	568.73	39.99
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	394.06	37.83
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	425.11	38.15
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	447.67	38.45
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	474.39	38.76
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	492.64	39.07
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	536.67	39.37
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	559.14	39.68
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	617.12	40.29
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	433.87	38.15
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	452.01	38.45
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	465.84	38.76
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	501.28	39.07
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	523.79	39.37
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	567.81	39.68
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	598.86	39.99
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	674.14	40.60
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	572.78	38.45
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	642.63	38.76
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	686.74	39.07
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	786.89	39.37
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	632.49	39.68
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	698.17	39.99
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	781.00	40.29
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	914.95	40.91
11 41 33 00-0167		**86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	362.00	37.22
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	380.14	37.52
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	402.61	37.83
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	416.54	38.15
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	443.25	38.45
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	465.84	38.76
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	483.97	39.07
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	524.62	39.68
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	393.05	37.52
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	406.94	37.83
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	420.87	38.15
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	460.58	38.45
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	487.39	38.76
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	522.77	39.07
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	536.59	39.37
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	585.97	39.99
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	411.28	37.83
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	442.33	38.15
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	464.92	38.45
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	491.61	38.76
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	509.86	39.07
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	553.91	39.37
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	576.39	39.68
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	634.34	40.29
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	451.09	38.15
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	469.23	38.45
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	483.05	38.76
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	518.52	39.07
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	541.01	39.37
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	585.05	39.68
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	616.08	39.99
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	691.36	40.60
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	590.00	38.45
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	659.85	38.76
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	703.98	39.07
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	804.11	39.37
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	649.71	39.68
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	715.39	39.99
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	798.24	40.29
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	932.17	40.91
11 41 33 00-0208		**96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit** *(11 41 33 00-0002)*		
11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	425.63	37.22
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	448.08	37.52
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	475.95	37.83
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	493.12	38.15
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	526.29	38.45
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	554.27	38.76
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	576.72	39.07
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	627.06	39.68
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	464.20	37.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	481.36	37.83
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	498.52	38.15
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	547.93	38.45
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	581.21	38.76
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	625.21	39.07
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	642.24	39.37
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	703.51	39.99
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	486.78	37.83
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	525.37	38.15
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	553.35	38.45
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	586.50	38.76
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	609.08	39.07
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	663.91	39.37
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	691.78	39.68
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	763.76	40.29
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	536.31	38.15
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	558.76	38.45
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	575.80	38.76
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	619.92	39.07
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	647.78	39.37
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	702.59	39.68
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	741.17	39.99
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	834.80	40.60
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	709.73	38.45
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	796.79	38.76
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	851.71	39.07
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	976.68	39.37
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	783.44	39.68
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	865.31	39.99
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	968.62	40.29
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	1,135.59	40.91
11 41 33 00-0249		Galvanized Shelving Units *(11 41 33 00-0001)*		
11 41 33 00-0250		54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	368.20	37.22
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	387.08	37.52
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	410.54	37.83
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	429.42	38.15
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	457.38	38.45
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	480.73	38.76
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	504.19	39.07
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	541.95	39.68
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	400.55	37.52
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	415.03	37.83
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	442.90	38.15
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	475.33	38.45
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	503.27	38.76
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	540.10	39.07
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	568.07	39.37
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	610.47	39.99
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	419.51	37.83
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	456.46	38.15
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	479.81	38.45
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	507.77	38.76
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	526.65	39.07
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	600.51	39.68
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	669.78	40.29
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	465.44	38.15
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	484.31	38.45
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	498.79	38.76
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	535.62	39.07
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	622.94	39.68
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	659.88	39.99
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	742.71	40.60
11 41 33 00-0283		63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*		
11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	377.18	37.22
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	396.05	37.52
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	419.51	37.83
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	438.40	38.15
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	466.36	38.45
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	489.71	38.76
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	513.17	39.07
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	550.93	39.68
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	409.53	37.52
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	424.01	37.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	451.87	38.15
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	484.31	38.45
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	512.25	38.76
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	549.08	39.07
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	577.05	39.37
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	619.38	39.99
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	428.49	37.83
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	465.44	38.15
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	488.79	38.45
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	516.75	38.76
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	535.62	39.07
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	609.48	39.68
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	678.76	40.29
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	474.41	38.15
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	493.29	38.45
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	507.77	38.76
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	544.60	39.07
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	631.92	39.68
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	668.85	39.99
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	751.69	40.60
11 41 33 00-0316		**74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	386.16	37.22
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	405.03	37.52
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	428.49	37.83
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	447.37	38.15
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	475.33	38.45
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	498.69	38.76
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	522.15	39.07
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	559.91	39.68
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	418.51	37.52
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	432.99	37.83
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	460.85	38.15
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	493.29	38.45
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	521.23	38.76
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	558.06	39.07
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	586.02	39.37
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	628.36	39.99
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	437.47	37.83
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	474.41	38.15
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	497.77	38.45
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	525.73	38.76
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	544.60	39.07
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	595.00	39.37
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	618.46	39.68
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	687.74	40.29
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	483.39	38.15
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	502.27	38.45
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	516.75	38.76
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	553.58	39.07
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	595.00	39.37
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	640.89	39.68
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	677.83	39.99
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	760.67	40.60
11 41 33 00-0349		**86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	408.70	37.22
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	427.57	37.52
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	451.03	37.83
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	469.91	38.15
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	497.87	38.45
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	521.23	38.76
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	544.69	39.07
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	582.45	39.68
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	441.05	37.52
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	455.53	37.83
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	483.39	38.15
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	515.83	38.45
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	543.77	38.76
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	580.60	39.07
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	608.56	39.37
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	650.90	39.99
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	460.01	37.83
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	496.95	38.15
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	520.31	38.45
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	548.27	38.76
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	567.14	39.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	617.54	39.37
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	641.00	39.68
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	710.28	40.29
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	505.93	38.15
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	524.81	38.45
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	539.29	38.76
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	576.12	39.07
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	617.54	39.37
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	663.43	39.68
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	700.37	39.99
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	783.21	40.60
11 41 33 00-0382		**54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	699.32	38.15
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	768.67	38.76
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	860.49	39.37
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	916.30	39.99
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	764.11	38.76
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	882.94	39.37
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	974.75	39.99
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	1,111.53	40.60
11 41 33 00-0391		**63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	708.30	38.15
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	777.67	38.76
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	869.46	39.37
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	925.27	39.99
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	773.08	38.76
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	891.92	39.37
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	983.72	39.99
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	1,120.51	40.60
11 41 33 00-0400		**74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	717.27	38.15
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	786.65	38.76
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	878.46	39.37
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	934.25	39.99
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	782.06	38.76
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	900.89	39.37
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	992.70	39.99
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	1,129.51	40.60
11 41 33 00-0409		**86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit** *(11 41 33 00-0249)*		
11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	739.81	38.15
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	809.16	38.76
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	900.98	39.37
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	956.79	39.99
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	804.60	38.76
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	923.43	39.37
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,015.24	39.99
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	1,152.03	40.60
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	771.23	38.15
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	897.04	38.76
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,056.00	39.37
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,222.47	39.99
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	907.57	38.76
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,051.86	39.37
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,240.95	39.99
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,490.67	40.60
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	797.61	38.15
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	923.42	38.76
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,086.13	39.37
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,248.84	39.99
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	933.95	38.76
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,078.23	39.37
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,267.31	39.99
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,517.05	40.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	823.98	38.15
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	949.79	38.76
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,112.50	39.37
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,275.21	39.99
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	960.31	38.76
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,104.61	39.37
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,293.69	39.99
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,543.42	40.60
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,477.58	38.15
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,634.45	38.76
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,842.78	39.37
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,968.51	39.99
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,771.75	38.76
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,088.49	39.37
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,319.44	39.99
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,664.92	40.60
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,522.55	38.15
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,682.15	38.76
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,894.17	39.37
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,022.03	39.99
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,816.74	38.76
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,133.46	39.37
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,366.95	39.99
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,716.31	40.60
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,567.55	38.15
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,726.27	38.76
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,937.18	39.37
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,064.44	39.99
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,861.72	38.76
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,178.46	39.37
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,410.49	39.99
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,757.60	40.60
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	272.64	27.43
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	287.45	28.19
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	304.35	28.96
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	335.82	29.72
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	363.11	30.48
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	293.47	27.43
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	320.78	28.19
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	337.68	28.96
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	367.06	29.72
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	400.60	30.48
11 41 33 00-0484		**Stainless Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	738.43	28.96
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	926.77	29.72
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,569.08	30.48
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	808.08	28.96
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	1,007.42	29.72
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,711.41	30.48
11 41 33 00-0491		**Mobile Racks** *(11 41 33 00-0001)*		
11 41 33 00-0492	EA	Mobile Rack With Pan Slide	2,044.71	46.19
11 41 33 00-0493		**Can Racks** *(11 41 33 00-0001)*		
11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	4,169.26	46.19

11 42 Food Preparation Equipment *(11 40)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13		**Food Preparation Appliances** *(11 42)*		
11 42 13 00-0001		Vertical Cutter Mixers *(11 42 13)*		
11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	11,947.45	208.10
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	13,808.38	231.23
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	17,139.83	332.98
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	19,136.74	416.22
11 42 13 00-0006		Choppers *(11 42 13)*		
11 42 13 00-0007	EA	Choppers, 5 Lb.	2,979.26	184.99
11 42 13 00-0008	EA	Choppers, 16 Lb.	4,373.51	240.48
11 42 13 00-0009	EA	Choppers, 35 LB - 40 Lb./Min, 2 HP	7,059.13	262.95
11 42 13 00-0010	EA	Choppers, 35 LB - 40 Lb./Min, 3 HP	8,014.38	262.95
11 42 13 00-0011		Stand Model Mixer *(11 42 13)*		
11 42 13 00-0012	EA	10 Quart, 120 Volt, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	1,398.91	106.36
11 42 13 00-0013	EA	20 Quart, 120 Volt, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,738.31	106.36
11 42 13 00-0014	EA	10 Quart, 120 Volt, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	4,575.64	106.36
11 42 13 00-0015	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	9,610.66	87.87
11 42 13 00-0016		Floor Model Mixer *(11 42 13)*		
11 42 13 00-0017	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	3,604.97	106.36
11 42 13 00-0018	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	4,986.22	118.20
11 42 13 00-0019	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	8,579.38	132.96
11 42 13 00-0020	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	18,303.56	87.87
11 42 13 00-0021	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	22,479.28	90.17
11 42 13 00-0022	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	28,639.44	92.49
11 42 13 00-0023	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	42,303.53	115.61
11 42 13 00-0024	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	54,187.54	147.99
11 42 13 00-0025		Slicers *(11 42 13)*		
11 42 13 00-0026	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	721.24	33.24
11 42 13 00-0027	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	1,047.33	33.24
11 42 13 00-0028	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,505.68	33.24
11 42 13 00-0029	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,553.32	33.24
11 42 13 00-0030	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,815.23	33.24
11 42 13 00-0031	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	7,045.69	33.24
11 42 13 00-0032		Peelers *(11 42 13)*		
11 42 13 00-0033	EA	22 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-10)	3,746.74	150.30
11 42 13 00-0034	EA	44 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-20)	4,323.23	175.27
11 42 13 00-0035	EA	66 Lb. Capacity, 120 Voltage, Potato Peeler (Sammic PI-30)	6,735.00	200.43
11 42 13 00-0036	EA	20 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6115)	6,019.05	150.30
11 42 13 00-0037	EA	40 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6430-1)	12,240.44	175.27
11 42 13 00-0038	EA	60 Lb. Capacity, 115 Voltage, Potato Peeler (Hobart 6460-1)	13,036.27	200.43
11 42 13 00-0039		Proof Boxes *(11 42 13)*		
11 42 13 00-0040	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	3,212.76	79.24
11 42 13 00-0041	EA	30-1/2" x 45", Stainless Steel Proof Box	5,375.90	132.80
11 42 13 00-0042	EA	30-1/2" x 45", Galvanized Proof Box	3,358.72	60.29
11 42 13 00-0043		Non-Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0044	EA	Angle Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,291.54	75.94
11 42 13 00-0045	EA	Angle Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,458.23	81.19
11 42 13 00-0046	EA	Channel Slide 69-3/4", Solid Door Non-Insulated Heated Proof Cabinet	2,275.99	75.33
11 42 13 00-0047	EA	Channel Slide 69-3/4", Clear Door Non-Insulated Heated Proof Cabinet	2,412.24	79.85
11 42 13 00-0048		Insulated Heated Proof Cabinet *(11 42 13)*		
11 42 13 00-0049	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	3,764.17	152.63
11 42 13 00-0050	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	3,933.63	159.56
11 42 13 00-0051		Pass-Thru Hot Food Holding Cabinet *(11 42 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0052	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	7,683.18	194.24
11 42 13 00-0053	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	8,179.57	194.24
11 42 13 00-0054	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	10,463.68	203.48
11 42 13 00-0055	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	11,477.69	203.48

11 42 16 Food Preparation Surfaces *(11 42)*

11 42 16 00-0001 Tables *(11 42 16)*

11 42 16 00-0002 Baker's Table *(11 42 16 00-0001)*

11 42 16 00-0003	EA	4' Open Base Baker's Table	908.11	68.04
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,782.31	133.41
11 42 16 00-0005	EA	10' Under Shelf Baker's Table	2,199.10	164.63
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,358.67	176.77
11 42 16 00-0007	EA	10' Bins Baker's Table	3,470.25	260.15
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	5,449.25	408.37

11 42 16 00-0009 Preparation Table, Stainless Steel, With Under Shelf *(11 42 16 00-0001)*

11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Under Shelf	1,186.13	35.88
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Under Shelf	1,279.18	43.09
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Under Shelf	1,932.13	58.57

11 42 16 00-0013 Preparation Table, Stainless Steel, With Open Front *(11 42 16 00-0001)*

11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	1,248.93	37.75
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,605.23	48.56
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	1,378.89	41.76
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,659.73	50.29
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	335.29	10.13

11 42 16 00-0019 Mobile Tables *(11 42 16 00-0001)*

11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	3,224.28	32.15
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,745.76	38.56
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	1,429.23	43.35

11 42 16 00-0023 Hot Food Tables, Stainless Steel, Gas Or Electric *(11 42 16 00-0001)*

11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	2,552.58	77.38
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	2,070.45	62.70
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	171.86	5.20
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	251.43	7.60
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	5,015.15	124.12
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	9,977.36	247.63

11 42 16 00-0030 Basic Table *(11 42 16 00-0001)*

11 42 16 00-0031	LF	Table, Basic	301.00	25.68

11 42 16 00-0032 Table With Sink *(11 42 16)*

11 42 16 00-0033	LF	Table With Sink	380.55	47.20

11 42 23 Food Preparation Scullery Sinks *(11 42)*

11 42 23 00-0001 Stainless Steel Scullery Sinks *(11 42 23)*

Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.

11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drain Board	2,686.12	198.05
		For Additional Drain Board, Add	*245.98*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drain Board	3,805.79	226.34
		For Additional Drain Board, Add	*352.29*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drain Board	5,046.95	226.34
		For Additional Drain Board, Add	*470.74*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drain Board	7,209.49	226.34
		For Additional Drain Board, Add	*675.68*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drain Board	4,459.82	226.34

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001 Range *(11 44 13)*

11 44 13 00-0002	EA	Heavy-Duty Range, With 34" Open Top Oven	3,106.32	92.49
11 44 13 00-0003	EA	Range With Fry Top	3,106.32	92.49
11 44 13 00-0004	EA	Steel Finish Fry Top	6,714.07	149.06
11 44 13 00-0005	EA	Stainless Top Only Fry Top	6,711.33	147.36
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	7,754.94	171.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 13 00-0007	EA	6 Burner Gas Range (Vulcan #260L) Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel-plated oven racks.	6,993.40	152.86
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	15,532.69	92.38

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001 Bake Oven *(11 44 16)*

11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,099.16	459.44
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	20,099.16	459.44
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,189.62	459.44
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	27,189.62	459.44
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,783.38	525.08
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	38,783.38	525.08
11 44 16 00-0008	EA	74", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,657.33	525.08
11 44 16 00-0009	EA	74", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-7436)	56,657.33	525.08
11 44 16 00-0010	EA	55", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,609.19	656.34
11 44 16 00-0011	EA	55", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-3836)	61,609.19	656.34
11 44 16 00-0012	EA	74", 208 Voltage, 1 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,576.00	656.34
11 44 16 00-0013	EA	74", 208 Voltage, 3 Phase, Triple Deck Electric Bake Oven (Bakers Pride EB-3-8-7436)	86,576.00	656.34

11 44 16 00-0014 Rapid-Cook Countertop Bake Ovens *(11 44 16)*

11 44 16 00-0015	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	9,386.40	23.10
11 44 16 00-0016	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,569.27	23.10
11 44 16 00-0017	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,386.32	23.10
11 44 16 00-0018	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	6,688.82	23.10
11 44 16 00-0019	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	6,961.64	23.10
11 44 16 00-0020	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	6,961.64	23.10
11 44 16 00-0021	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0022	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0023	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	6,961.64	23.10
11 44 16 00-0024	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	12,953.37	23.10
11 44 16 00-0025	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	12,009.27	23.10
11 44 16 00-0026	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	6,413.75	23.10
11 44 16 00-0027	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	5,242.12	23.10
11 44 16 00-0028	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	5,700.58	23.10
11 44 16 00-0029	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	13,632.57	23.10
11 44 16 00-0030	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	12,170.02	23.10
11 44 16 00-0031	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	8,511.36	23.10
11 44 16 00-0032	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,131.62	23.10
11 44 16 00-0033	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	17,131.62	23.10
11 44 16 00-0034	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	17,765.54	23.10
11 44 16 00-0035	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	17,765.54	23.10
11 44 16 00-0036	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	9,419.23	23.10
11 44 16 00-0037	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	9,386.40	23.10
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	11,450.06	23.10
11 44 16 00-0039	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	9,973.92	23.10
11 44 16 00-0040	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	11,144.42	23.10
11 44 16 00-0041	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	11,686.65	23.10
11 44 16 00-0042	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	10,347.48	23.10
11 44 16 00-0043	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	12,579.80	23.10
11 44 16 00-0044	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	13,140.15	23.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0045	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	9,928.64	23.10
11 44 16 00-0046	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	9,532.43	23.10
11 44 16 00-0047	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	9,532.43	23.10
11 44 16 00-0048	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	10,041.84	23.10
11 44 16 00-0049	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	10,041.84	23.10
11 44 16 00-0050	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	10,912.35	23.10
11 44 16 00-0051	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,620.82	23.10
11 44 16 00-0052	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	14,620.82	23.10
11 44 16 00-0053	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.10	23.10
11 44 16 00-0054	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	15,232.10	23.10
11 44 16 00-0055	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	13,705.02	23.10
11 44 16 00-0056	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	10,302.20	23.10
11 44 16 00-0057		**Combination Ovens** *(11 44 16)*		
		Note: Convection, steam and combination modes.		
11 44 16 00-0058	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	25,040.91	161.86
11 44 16 00-0059	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	41,111.12	184.99
11 44 16 00-0060	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	33,950.16	184.99
11 44 16 00-0061	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	82,017.09	231.23
11 44 16 00-0062	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	62,245.10	231.23
11 44 16 00-0063		**Broiler, Without Oven** *(11 44 16)*		
11 44 16 00-0064	EA	69" x 26" x 39" Broiler Without Oven	8,690.02	147.99
11 44 16 00-0065	EA	Conveyor Broiler	7,702.18	171.75
11 44 16 00-0066		**Oven Stands** *(11 44 16)*		
11 44 16 00-0067	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,992.66	
11 44 16 00-0068		**Countertop Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0069	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	234.51	11.55
11 44 16 00-0070	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	378.18	11.55
11 44 16 00-0071	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	445.09	11.55
11 44 16 00-0072	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	571.95	11.55
11 44 16 00-0073	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,037.07	11.55
11 44 16 00-0074	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,206.21	11.55
11 44 16 00-0075	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	209.14	11.55
11 44 16 00-0076	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	344.45	11.55
11 44 16 00-0077	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	977.07	11.55
11 44 16 00-0078	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	889.20	11.55
11 44 16 00-0079	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,207.73	11.55
11 44 16 00-0080	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	1,956.41	11.55
11 44 16 00-0081		**Electric Convection Type Ovens** *(11 44 16)*		
11 44 16 00-0082	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	4,467.12	46.20
11 44 16 00-0083	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	8,860.05	92.38
11 44 16 00-0084	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	8,860.05	92.38
11 44 16 00-0085	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	8,860.05	92.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0086	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	8,860.05	92.38
11 44 16 00-0087	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	14,627.71	92.38
11 44 16 00-0088	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	7,313.85	46.20
11 44 16 00-0089	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	7,313.85	46.20
11 44 16 00-0090	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	8,027.43	46.20
11 44 16 00-0091	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	7,313.85	46.20
11 44 16 00-0092	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	7,313.85	46.20
11 44 16 00-0093	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	16,054.87	92.38
11 44 16 00-0094	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	6,828.61	46.20
11 44 16 00-0095	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	13,657.23	92.38
11 44 16 00-0096	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	14,627.71	92.38
11 44 16 00-0097	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	18,507.41	92.38

11 44 16 00-0098 Natural Gas Convection Type Ovens *(11 44 16)*

11 44 16 00-0099	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	5,137.54	46.20
11 44 16 00-0100	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	10,189.50	92.38
11 44 16 00-0101	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	17,587.15	92.38
11 44 16 00-0102	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	16,841.03	92.38
11 44 16 00-0103	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	15,721.83	92.38
11 44 16 00-0104	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	8,793.57	46.20
11 44 16 00-0105	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	8,885.96	92.38
11 44 16 00-0106	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	24,585.42	92.38
11 44 16 00-0107	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	7,860.91	46.20
11 44 16 00-0108	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	21,559.20	92.38
11 44 16 00-0109	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	32,048.91	92.38
11 44 16 00-0110	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	24,585.42	92.38
11 44 16 00-0111	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	20,132.77	92.38
11 44 16 00-0112	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	17,916.33	92.38
11 44 16 00-0113	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	8,420.51	46.20
11 44 16 00-0114	EA	36" Wide x 58" Height x 41" Depth, Natural Gas Convection Oven (Vulcan 36C-BN)	9,605.25	184.99
		For 5" Swivel Plate Casters, Set of 4, Add	*654.69*	

11 44 16 00-0115 Liquid Propane Convection Type Ovens *(11 44 16)*

11 44 16 00-0116	EA	108,000 BTU, 45" Length x 38" Width x 68" Height, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Legs (Cooking Performance Group FGC200L)	10,189.50	92.38
11 44 16 00-0117	EA	100,000 BTU, 41-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven With Solid State Controls (Vulcan VC44GD-LP)	17,587.15	92.38
11 44 16 00-0118	EA	50,000 BTU, 41-1/8" Length x 40-1/4" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Solid State Controls And Legs (Vulcan VC4GD-21D150K)	8,793.57	46.20
11 44 16 00-0119	EA	100,000 BTU, 45-1/8" Length x 40-1/4" Width x 70" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Depth Liquid Propane Convection Oven With Solid State Controls (Vulcan VC66GD-LP)	33,207.61	92.38
11 44 16 00-0120	EA	100,000 BTU, 36-7/8" Length x 38-1/4" Width x 70" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	15,721.83	92.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0121	EA	100,000 BTU, 40-1/8" Length x 40-1/8" Width x 68-5/8" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Liquid Propane Convection Oven (Vulcan VC55GD LP)	16,841.03	92.38
11 44 16 00-0122	EA	50,000 BTU, 40-1/8" Length x 40" Width x 54-3/4" Height, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven With Legs (Vulcan VC5GDL)	8,420.51	46.20
11 44 16 00-0123	EA	50,000 BTU, 36-7/8" Length x 38-1/4" Width x 63" Height, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Liquid Propane Convection Oven (Blodgett SHO-100-G)	7,860.91	46.20
11 44 16 00-0124		**Countertop Pizza Oven** *(11 44 16)*		
11 44 16 00-0125	EA	3,700 To 4,800 Watts, 208/240 Volt, Stainless Steel Countertop Pizza Oven, White (TurboChef FIRE WHITE)	6,383.18	23.10
11 44 16 00-0126		**Rotary Deck Pizza Oven** *(11 44 16)*		
11 44 16 00-0127	EA	90,000 BTU, 2 Deck, 38.6" Diameter Rotary Deck Pizza Oven (Sierra Range Volare)	39,273.46	92.38
11 44 16 00-0128		**Triple Conveyor Oven** *(11 44 16)*		
11 44 16 00-0129	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,377.11	184.77
11 44 16 00-0130	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3) Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range	62,377.11	184.77
11 44 16 00-0131	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,961.23	184.77
11 44 16 00-0132	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,342.15	184.77
11 44 16 00-0133	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	115,342.15	184.77
11 44 16 00-0134	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,961.23	184.77
11 44 16 00-0135	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3) Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range	132,961.23	184.77
11 44 19		**Commercial Cooking Equipment** *(11 44)*		
11 44 19 00-0001		**Drop-In Electric Griddle** *(11 44 19)*		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	4,359.62	127.18
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	6,219.60	127.18
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	7,121.06	138.74
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	8,530.81	138.74
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	10,943.87	150.30
11 44 19 00-0007		**Countertop Griddle** *(11 44 19)*		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	587.07	167.10
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	719.07	167.10
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	796.07	167.10
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	992.98	167.10
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,074.93	167.10
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,368.96	167.10
11 44 19 00-0014		**Panini Sandwich Grill** *(11 44 19)*		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	647.86	92.38
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	496.02	92.38
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	496.02	92.38
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	496.02	92.38
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	1,018.14	92.38
11 44 19 00-0020		**Electric Countertop Fryer, With Basket** *(11 44 19)*		
11 44 19 00-0021	EA	30 Lb. Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202)	995.65	92.38
11 44 19 00-0022	EA	30 Lb. Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	2,185.15	92.38
11 44 19 00-0023	EA	30 Lb. Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	8,128.98	92.38
11 44 19 00-0024		**Electric Floor Fryer, With Basket** *(11 44 19)*		
11 44 19 00-0025	EA	50 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	6,887.32	184.99
11 44 19 00-0026	EA	50 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	7,232.75	184.99
11 44 19 00-0027	EA	85 Lb. Capacity, Single Basket Lift, 208 Volt, Electric Fryer	23,233.36	240.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0028	EA	85 Lb. Capacity, Single Basket Lift, 480 Volt, Electric Fryer	23,800.20	240.48
11 44 19 00-0029		**Natural Gas Floor Fryer, With Basket** *(11 44 19)*		
11 44 19 00-0030	EA	40 Lb. Capacity, 90,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF300)	1,548.50	147.81
11 44 19 00-0031	EA	50 Lb. Capacity, 120,000 BTU, Natural Gas, Two Basket, Stainless Steel Floor Fryer (Avantco FF400)	1,772.23	184.77
11 44 19 00-0032	EA	70 To 100 Lb. Capacity, 150,000 BTU, Natural Gas, Two Basket, Stainless Steel Tube Floor Fryer (Avantco FF518)	2,553.77	369.54
11 44 19 00-0033		**Steam Jacketed Kettles** *(11 44 19)*		
11 44 19 00-0034	EA	12 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-12-T)	13,568.70	23.10
11 44 19 00-0035	EA	12 Gallon Capacity, 208 Volt, 12 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K12ETT-7)	12,066.61	23.10
11 44 19 00-0036	EA	3 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Tabletop Kettle (Cleveland KET-3-T)	9,593.42	23.10
11 44 19 00-0037	EA	6 Gallon Capacity, 208 Volt, 7.5 kW, Tilting, Stainless Steel Electric Steam Jacketed Kettle (Vulcan K6ETT-7)	10,002.59	23.10
11 44 19 00-0038	EA	60 Gallon Capacity, 208 Volt, 18 kW, 3 Phase, Stationary, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Vulcan K60EL)	35,116.36	23.10
11 44 19 00-0039	EA	150 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET150-240/3)	61,883.52	92.38
11 44 19 00-0040	EA	100 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKE100T 208/2403)	146,333.77	92.38
11 44 19 00-0041	EA	6 Gallon Capacity, 240 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 240/3)	32,181.63	92.38
11 44 19 00-0042	EA	6 Gallon Capacity, 208 Volt, 24 kW, 3 Phase, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle With Modular Generator Base (Cleveland 24EMK624 208/3)	32,181.63	92.38
11 44 19 00-0043	EA	125 Gallon Capacity, 240 Volt, 36 kW, 3 Phase, Stationary, Stainless Steel Steam Jacketed Electric Kettle (Vulcan ET125-240/3)	58,984.80	92.38
11 44 19 00-0044	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KET-20-T)	21,512.37	92.38
11 44 19 00-0045	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL40TSH 208/2403)	47,466.29	92.38
11 44 19 00-0046	EA	20 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Mixer Kettle (Cleveland MKET20T 208/2403)	59,419.42	92.38
11 44 19 00-0047	EA	60 Gallon Capacity, 208/240 Volt, Stationary, Stainless Steel Full Steam Jacketed Electric Kettle (Cleveland KEL60SH 208/2403)	42,278.05	92.38
11 44 19 00-0048	EA	40 Gallon Capacity, 208/240 Volt, Tilting, Stainless Steel 2/3 Steam Jacketed Electric Kettle (Cleveland KEL-40-T)	39,004.72	92.38
11 44 19 00-0049	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL40T 208/2403)	120,399.85	92.38
11 44 19 00-0050	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Electric Mixer Kettle (Cleveland MKDL60T 208/2403)	124,229.66	92.38
11 44 19 00-0051	EA	100 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 LP)	57,903.88	184.77
11 44 19 00-0052	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GL-LP)	40,371.52	184.77
11 44 19 00-0053	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL40TSH LP)	57,614.73	184.77
11 44 19 00-0054	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 LP)	47,871.10	184.77
11 44 19 00-0055	EA	40 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K40GLT-LP)	49,605.97	184.77
11 44 19 00-0056	EA	6 Gallon Capacity, 34,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T LP)	20,864.26	184.77
11 44 19 00-0057	EA	60 Gallon Capacity, 100,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-LP)	60,144.29	184.77
11 44 19 00-0058	EA	125 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Vulcan GT125E-LP)	59,833.33	184.77
11 44 19 00-0059	EA	80 Gallon Capacity, 190,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80T LP)	66,307.26	184.77
11 44 19 00-0060	EA	60 Gallon Capacity, 190,000 BTU, Liquid Propane, Stationary, Stainless Steel Full Steam Jacketed Kettle (Cleveland KGL60SH LP)	44,917.82	184.77
11 44 19 00-0061	EA	12 Gallon Capacity, 53,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT12TGB LP)	27,383.65	184.77
11 44 19 00-0062	EA	40 Gallon Capacity, 140,000 BTU, Liquid Propane, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T LP)	145,642.01	184.77
11 44 19 00-0063	EA	80 Gallon Capacity, 135,000 BTU, Liquid Propane, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GL80E-LP)	48,191.16	184.77
11 44 19 00-0064	EA	60 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K60GLT-NAT)	60,144.29	184.77
11 44 19 00-0065	EA	60 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKG60T NAT)	139,782.74	184.77
11 44 19 00-0066	EA	25 Gallon Capacity, 90,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL-25-T NAT)	45,925.28	184.77
11 44 19 00-0067	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100 NAT)	139,402.67	184.77
11 44 19 00-0068	EA	20 Gallon Capacity, 100,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Kettle (Vulcan K20GLT-NAT)	47,498.30	184.77
11 44 19 00-0069	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Horizontal Mixer Kettle (Cleveland HAMKGL100T NAT)	164,589.17	184.77
11 44 19 00-0070	EA	12 Gallon Capacity, 53,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-12-T NAT)	24,961.39	184.77

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11 44 19 00-0071	EA	80 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL80 NAT)	47,871.10	184.77
11 44 19 00-0072	EA	60 Gallon Capacity, 135,000 BTU, Natural Gas, Stationary, Stainless Steel Steam Jacketed Gas Kettle (Cleveland GS60E-NAT)	47,607.42	184.77
11 44 19 00-0073	EA	40 Gallon Capacity, 140,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Mixer Kettle (Cleveland MKGL40T NAT)	140,186.45	184.77
11 44 19 00-0074	EA	6 Gallon Capacity, 34,000 BTU, Natural Gas, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Kettle (Cleveland KGT-6-T NAT)	20,864.26	184.77
11 44 19 00-0075	EA	100 Gallon Capacity, 190,000 BTU, Natural Gas, Stationary, Stainless Steel 2/3 Steam Jacketed Kettle (Cleveland KGL100 NAT)	57,903.88	184.77
11 44 19 00-0076	EA	40 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL-40-T)	19,995.01	184.77
11 44 19 00-0077	EA	60 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DLT)	27,096.33	184.77
11 44 19 00-0078	EA	125 Gallon Capacity, Stationary, Stainless Steel Fully Jacketed Direct Steam Kettle (Vulcan ST125)	47,401.92	184.77
11 44 19 00-0079	EA	200 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL200)	63,244.87	184.77
11 44 19 00-0080	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle With Modular Stand (Cleveland SD760K12)	24,677.70	184.77
11 44 19 00-0081	EA	12 Gallon Capacity, 26" Table, Tilting, Stainless Steel Direct Steam Kettle (Cleveland VEKT26/6)	17,150.84	184.77
11 44 19 00-0082	EA	40 Gallon Capacity, Stationary Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K40DL)	18,229.22	184.77
11 44 19 00-0083	EA	60 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL60SH)	28,409.30	184.77
11 44 19 00-0084	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Vulcan K60DL)	21,238.88	184.77
11 44 19 00-0085	EA	40 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL40)	17,212.67	184.77
11 44 19 00-0086	EA	80 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL80F)	42,866.53	184.77
11 44 19 00-0087	EA	80 oz., Tilting, Stainless Steel 2/3 Steam Jacketed Direct Steam Tabletop Oyster Kettle (Cleveland KDT-1-T)	9,293.02	184.77
11 44 19 00-0088	EA	40 Gallon Capacity, Stationary, Stainless Steel Full Steam Jacketed Direct Steam Kettle (Cleveland KDL40F)	30,189.63	184.77
11 44 19 00-0089	EA	12 Gallon Capacity, Tilting, Stainless Steel 2/3 Steam Jacketed Tabletop Direct Steam Kettle (Cleveland KDT-12-T)	13,008.25	184.77
11 44 19 00-0090	EA	100 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL100)	32,611.90	184.77
11 44 19 00-0091	EA	60 Gallon Capacity, Stationary, Stainless Steel 2/3 Steam Jacketed Direct Steam Kettle (Cleveland KDL60)	20,420.54	184.77
11 44 19 00-0092		**Steamers, Electric** *(11 44 19)*		
11 44 19 00-0093		**Cooking Equipment/ Steamers** *(11 44 19 00-0092)*		
11 44 19 00-0094	EA	3 Pan, Electric Countertop Convection Steamer	9,478.80	194.24
11 44 19 00-0095	EA	5 Pan, Electric Countertop Convection Steamer	12,505.77	203.48
11 44 19 00-0096	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	8,764.31	194.24
11 44 19 00-0097	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	12,814.27	203.48
11 44 19 00-0098		**Braising Pans** *(11 44 19)*		
11 44 19 00-0099	EA	24" x 24", 240 Volt, Tilting Braising Pan	10,371.81	213.15
11 44 19 00-0100	EA	24" x 31", 240 Volt, Tilting Braising Pan	10,945.14	224.15
11 44 19 00-0101	EA	24" x 41", 240 Volt, Tilting Braising Pan	11,657.41	238.70
11 44 19 00-0102	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	13,520.89	277.95
11 44 19 00-0103	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	13,981.55	286.51
11 44 19 00-0104	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	14,525.54	294.09
11 44 19 00-0105		**Toasters** *(11 44 19)*		
11 44 19 00-0106	EA	Bun Toaster 3.2 KW	2,065.58	52.03
11 44 19 00-0107	EA	Bun Toaster 4.3 KW	2,254.28	56.70
11 44 19 00-0108	EA	Pop-Up Toaster, 2 Slot	593.31	100.16
11 44 19 00-0109	EA	Conveyor Toaster	1,027.85	150.30
11 44 19 00-0110		**Microwave Ovens** *(11 44 19)*		
11 44 19 00-0111	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	178.79	11.55
11 44 19 00-0112	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	196.09	11.55
11 44 19 00-0113	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	253.76	11.55
11 44 19 00-0114	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	322.96	11.55
11 44 19 00-0115	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	403.69	11.55
11 44 19 00-0116	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	253.76	11.55
11 44 19 00-0117	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	295.86	11.55
11 44 19 00-0118	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	521.35	11.55
11 44 19 00-0119	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	635.53	11.55
11 44 19 00-0120	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy-Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,331.00	11.55
11 44 19 00-0121	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	368.87	11.55
11 44 19 00-0122	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	501.80	11.55
11 44 19 00-0123	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	386.41	11.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0124	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	340.27	11.55
11 44 19 00-0125	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	656.29	11.55
11 44 19 00-0126	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	305.67	11.55
11 44 19 00-0127	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	633.22	11.55
11 44 19 00-0128	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy-Duty Stainless Steel Microwave (Solwave MWHD12)	702.42	11.55
11 44 19 00-0129	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,176.45	11.55
11 44 19 00-0130	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,092.26	11.55
11 44 19 00-0131	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,284.86	11.55
11 44 19 00-0132	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commercial Microwave With LCD Display (Panasonic NE-17521)	1,204.13	11.55
11 44 19 00-0133	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,351.76	11.55
11 44 19 00-0134	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	3,640.58	11.55
11 44 19 00-0135	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	4,823.92	11.55
11 44 19 00-0136	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,507.46	11.55
11 44 19 00-0137	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy-Duty, 2 Pan Programmable Microwave (Amana AMSO22)	4,694.17	11.55
11 44 19 00-0138	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana AOC24)	2,898.40	11.55
11 44 19 00-0139	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy-Duty Microwave (Solwave MWHD18)	783.16	11.55
11 44 19 00-0140	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	829.29	11.55
11 44 19 00-0141	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy-Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	886.96	11.55
11 44 19 00-0142	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC17S2)	2,130.27	11.55
11 44 19 00-0143	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commercial Microwave With Push Button Controls (Solwave MW1800T)	713.96	11.55
11 44 19 00-0144	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana HDC182)	1,559.36	11.55
11 44 19 00-0145	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy-Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,569.74	11.55
11 44 19 00-0146	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,464.79	11.55
11 44 19 00-0147	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy-Duty Microwave (Amana HDC212)	1,632.02	11.55
11 44 19 00-0148	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,476.32	11.55
11 44 19 00-0149	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC22S2)	2,659.66	11.55
11 44 19 00-0150	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy-Duty Microwave With Push Button Controls (Amana RC30S2)	3,490.07	11.55
11 44 19 00-0151		**Ceramic Broiler On Storage Base With Doors** *(11 44 19)*		
11 44 19 00-0152	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	8,545.83	174.75
11 44 19 00-0153	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	8,545.83	174.75
11 44 19 00-0154	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	10,621.41	218.16
11 44 19 00-0155		**Gas Countertop Hot Plate** *(11 44 19)*		
11 44 19 00-0156	EA	2 Burners Gas Countertop Hot Plate	1,089.50	22.25
11 44 19 00-0157		**Food Service Additions** *(11 44 19)*		
11 44 19 00-0158	EA	30" Diameter, Natural Gas, Cooktop With Electric Controls (Affinity 30Ge)	8,062.24	22.01
11 44 19 00-0159	EA	Heavy-Duty Stainless Steel Heated Under Counter Cabinet With Adjustable Thermostat, Digital Indicator, Chrome Plated Reals And Wire Shelves (Alto Shaam 500-S)	5,237.84	154.46
11 44 19 00-0160	EA	Oven-Combination Heated Holding Cabinet (Alto Shaam CTP20-10)	52,285.11	
11 44 19 00-0161	EA	1000 Watt, 1.2 CF, 14" Platter Capacity, Programmable, Commercial Grade, Stainless Steel, Microwave-oven (Amana RCS10TS)	1,055.67	12.01
11 44 19 00-0162	EA	1000 Watts, Programmable Power Level, Commercial Grade, Stainless Steel, Microwave-oven (Amana RMS10TS)	613.72	12.01
11 44 19 00-0163	EA	48" W x 24-1/2" D x 8" H, Single Deck, Gas Fired, Stainless Steel, Caster Mounted, Pizza Oven (Bakers Pride 3151)	18,311.76	138.74
11 44 19 00-0164	EA	120 Volt, 14.9 Amperes, 20' W, 6 Gallon Capacity Water Bath, Sparkling And Still Water Dispenser (Blupura/Crystallize BLUBAR COUNTERTOP 80)	8,590.30	267.30
11 44 19 00-0165	EA	1/3 HP, 120 Volt, 60 Hz, 15 Amperes, Top Opening, Self Contained Refrigerated System (Blupura/Crystallize FONTEMAGNA BRIDGE)	5,822.03	267.30
11 44 19 00-0166	EA	Broiler Less, Programmable, Stainless Steel, Convotherm Electric Oven-streamer (Cleveland OES-10.20)	20,467.42	194.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0167	EA	115 VAC, 60 Hz, Forced Air Gas Combustion With Auto Ignition, Stainless Steel Skillet With Spring Assist Cover (Cleveland SGL-30-T1/Sgl-40-T1)	37,464.33	238.45
11 44 19 00-0168	EA	50 PSI, Water-resistant, Stationary Trileg Tilting Steam Jacketed Kettle (Cleveland / Groen KDL)	32,156.30	122.28
11 44 19 00-0169	EA	Top Mounted, Insulated Heated Cabinet With Magnetic Latch Door (Crescor H-137-PWSUA-12C - 12c is discontinued hw-137-pwsua-12d is new model)	19,453.14	58.19
11 44 19 00-0170	EA	6 Gallon, 1/5 HP, Bottom Mounted, Ice-Cream Dipping Cabinet (Delfield N255)	5,175.82	277.58
11 44 19 00-0171	EA	3/4" Diameter, 36" Length, Moveable Gas Connector Kit (Dormont 1675KIT)	292.36	22.64
11 44 19 00-0172	EA	1/4 HP, Stainless Steel, Mechanically Cooled Cold Food Unit (Duke AeroServ 316-25SS-N7)	10,227.49	307.37
11 44 19 00-0173	EA	20', 3/8" Thick, Stainless Steel, Heavy-Duty Mounting, Tempered Glass (English Mfg. M-107)	13,995.00	12.01
11 44 19 00-0174	EA	1,350 Lb., Stainless Steel, Elevated Ice Storage And Transport System (Follet Corporation ITS1350SG-60)	20,009.87	161.67
11 44 19 00-0175	EA	Gas Fired Pasta Cooker (Frymaster GPCRB-SC)	25,099.03	147.97
11 44 19 00-0176	EA	Stainless Steel, Anti-microbial, Vegetable Cutter (Globe A420VH)	1,105.86	5.54
11 44 19 00-0177	EA	5 kw Tank Heater, 1 HP Self-draining Pump, Electronic Automatic Control, Stainless Steel, Dishwasher (Hobart AM-15T)	26,517.83	215.08
11 44 19 00-0178	EA	Stainless Steel, Electric Dryer Interlocked With Washer To Start (Hobart CLe (BDELRAX-STDDOM)	23,240.41	184.35
11 44 19 00-0179	EA	1/2 HP, Medium Duty, Built-in Sharpener With 12" Blade (Hobart Edge 7510)	3,600.07	133.19
11 44 19 00-0180	EA	20 Quart, Countertop Mounted, Stainless Steel Bowl (Hobart HL200)	11,115.57	231.23
11 44 19 00-0181	EA	Electronic Control, Stainless Steel Dishwasher (Hobart LXi/LXiH new model is Lxeh)	17,897.54	215.08
11 44 19 00-0182	EA	27" x 32" x 26-3/4" H, Stainless Steel, Single Shelf Mixer Table (Hobart TABLE-HL2012)	3,541.20	56.25
11 44 19 00-0183	EA	Remote Air-Cooled, Stainless Steel, Ice Maker (Hoshizaki America KM-2100)	16,869.11	208.10
11 44 19 00-0184	EA	Anti-microbial, Individual Crescent Cube, Stainless Steel, Ice Maker (Hoshizaki America KM-2100/2500S_H3)	18,526.45	208.10
11 44 19 00-0185	EA	2,400 BTU, 1/3 HP, Air-Cooled, Stainless Steel, Leg Mounted, Under Counter Ice Maker (Hoshizaki America F-330BAJ-c)	7,401.12	184.99
11 44 19 00-0186	EA	24" Wide, Energy Efficient, Stainless Steel, Built-in Dishwasher (Kenmore 14743)	1,488.55	92.38
11 44 19 00-0187	EA	3.7 CF, 27"W x 29-1/4"D x 39"H, Energy Efficient, Full Size, White Front-loading Washing Machine (Kenmore 41272)	2,147.44	92.38
11 44 19 00-0188	EA	30" Wide, Slide In, Electric Coil, Black Top, Stainless Steel, Electric Range (Kenmore 46762)	2,494.98	92.38
11 44 19 00-0189	EA	15.0 CF, Top Freezer Compartment With Self Defrosting, Reversible Door, White Refrigerator (Kenmore 60302)	994.38	46.20
11 44 19 00-0190	EA	30" Stainless Steel, Vent Less Range Hood (Kenmore 22-51840)	417.82	69.29
11 44 19 00-0191	EA	22.89 CF, 33" W x 66 1/2" H x 34 3/4" D, Tall Through-the-door Dispenser With Light And Ultra Ice® Stainless Steel Water Filtration System With Indicator Light (Kenmore 46-51313)	1,709.22	46.20
11 44 19 00-0192	EA	Gas Fired, Adjustable Conveyor Speed, Single Level, Dual Air Return, Stainless Steel, Conveyor Oven (Middleby Marshall PS636G-1)	32,440.36	138.74
11 44 19 00-0193	EA	Stainless Steel, Gas Fired, Standing Pilot, Conventional Oven (Montague 124-5)	11,355.70	92.38
11 44 19 00-0194	EA	3/4" Thick, 36" Flat-top, 100,000 BTU, Manual Control, Heavy-Duty Range (Montague 136-8)	16,475.59	127.18
11 44 19 00-0195	EA	3/4" Thick Flat Top, 80,000 BTU, Thermostatic Control, Heavy-Duty Range (Montague C36-8T)	16,551.55	127.18
11 44 19 00-0196	EA	36", 114,000 BTU, Low Profile, Heavy-duty Counter Top With Six Burners (Montague Gas Range V136LB/UFLC-36R)	38,572.26	92.49
11 44 19 00-0197	EA	24", 140,000 BTU, Gas Fired, Standing Pilot, Stainless Steel, Convection Oven With Four 12" Burners (Montague Legend 124-5)	11,476.64	152.86
11 44 19 00-0198	EA	36", 110,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Two Round French Style Hot Tops (Montague Legend 136-9A)	14,045.50	157.23
11 44 19 00-0199	EA	225,000 BTU, Gas fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Six Burners (Montague Legend V136-5)	14,045.50	157.23
11 44 19 00-0200	EA	36", 165,000 BTU, Gas Fired, Open Top, Standing Pilot, Stainless Steel, Convection Oven With Four Burners (Montague Legend V136-5A)	14,045.50	157.23
11 44 19 00-0201	EA	63,000 BTU, Gas Fired, Double Deck, Stainless Steel, Convection Oven (Montague Vectaire HX2-63A)	32,032.38	184.99
11 44 19 00-0202	EA	Ultra Continuous Feed Combination Food Processor. (Robot Coupe R 2 N)	2,287.58	255.64
11 44 19 00-0203	EA	Low Noise, Aluminum Alloy, Water Cooled Motor (Salvajor 750)	5,207.84	69.29
11 44 19 00-0204	EA	Low Flow, Backflow Prevention, Stainless Steel, Trough Collector (Salvajor S419)	14,111.17	244.32
11 44 19 00-0205	EA	92 GPH, Electronic Automatic Control, Stainless Steel, Dishwasher (Stero SDRA-PKG)	30,761.73	184.35
11 44 19 00-0206	EA	3-phase, Microprocessor Controlled, Air-cooled, Stainless Steel, Freezer (Taylor C723)	18,162.44	46.20
11 44 19 00-0207	EA	52-1/8"L x 35"D x 83-1/4"H, 1/3 HP, Microprocessor Controlled, Reach-in, Caster Mounted, Refrigerator (Traulsen G2000)	8,565.00	194.24
11 44 19 00-0208	EA	120 VAC, Wet Operation Only, Single Well, Round, Deep Drawn Stainless Steel, Cook'N Hold Built-in Food Warmer With Drain (Wells HW106D)	1,511.44	194.24
11 44 19 00-0209	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD300DM)	3,807.61	194.24
11 44 19 00-0210	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD400DM)	5,371.54	194.24
11 44 19 00-0211	EA	120 VAC, 3, 4, And 5 Well, Wet Or Dry Operation, Rectangular, Deep Drawn Stainless Steel, Built-in Modular Food Warmer (Wells MOD500DM)	6,531.68	194.24
11 44 19 00-0212	EA	Adjustable Radiant Flame, Thermostatically Controlled, Hearth Pizza Oven (Woodstone WS-FD-6045-RFG-L-IR-NG)	49,751.08	92.49

11 44 19 00-0213 Other Kettles *(11 44 19)*

11 44 19 00-0214	EA	20 QT Trunion Kettle With Stand (Groen TDC/320)	4,867.82	122.28
11 44 19 00-0215	EA	40 QT Trunion Kettle With Stand (Groen TDA/140)	7,647.44	122.28

11 44 19 00-0216 Charbroilers *(11 44 19)*

11 44 19 00-0217	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Lava Briquette Charbroiler (Cooking Performance Group CBL24)	902.31	92.38
11 44 19 00-0218	EA	40,000 BTU, 26-13/16" Length x 15" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR15)	748.25	123.15
11 44 19 00-0219	EA	70,000 BTU, 27-1/2" Length x 24" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG24RC)	520.18	92.38
11 44 19 00-0220	EA	80,000 BTU, 26-13/16" Length x 24" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR24)	942.29	105.60
11 44 19 00-0221	EA	80,000 BTU, 26-13/16" Length x 24" Width x 41-5/16" Height, Radiant Charbroiler With Storage Base (Cooking Performance Group 24CBRSBNL)	1,552.68	105.60
11 44 19 00-0222	EA	105,000 BTU, 27-1/2" Length x 36" Width x 15" Height, Gas Countertop Radiant Charbroiler (Avantco AG36RC)	963.93	123.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0223	EA	120,000 BTU, 26-13/16" Length x 36" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR36)	1,235.21	123.15
11 44 19 00-0224	EA	120,000 BTU, 32-1/8" Length x 36-3/8" Width x 40-13/16" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBRRBNL)	2,925.71	147.81
11 44 19 00-0225	EA	120,000 BTU, 36-3/8" Length x 32-1/8" Width x 24-1/2" Height, Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 36CBLRBNL)	2,939.27	147.81
11 44 19 00-0226	EA	120,000 BTU, 26-13/16" Length x 36" Width x 41-5/16" Height, Gas Radiant Charbroiler With Cabinet Base (Cooking Performance Group 36CBRSBNL)	1,832.03	123.15
11 44 19 00-0227	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Lava Briquette Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCLBNL)	4,173.61	147.81
11 44 19 00-0228	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Heavy-Duty Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GTCRBNL)	4,160.04	147.81
11 44 19 00-0229	EA	140,000 BTU, 32-1/8" Length x 51-7/8" Width x 24 1/2" Height, Gas Griddle And Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 24GMCRBNL)	3,915.89	147.81
11 44 19 00-0230	EA	160,000 BTU, 26-13/16" Length x 48" Width x 16-5/16" Height, Gas Countertop Radiant Charbroiler (Cooking Performance Group CBR48)	1,670.34	184.77
11 44 19 00-0231	EA	160,000 BTU, 32-1/8" Length x 51-7/8" Width x 24-1/2" Height, Gas Radiant Charbroiler With 2 Drawer Refrigerated Chef Base (Cooking Performance Group 48CBRRBNL)	3,352.29	184.77
11 44 19 00-0232	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler (Cooking Performance Group CBR60-NG CPG)	2,063.70	184.77
11 44 19 00-0233	EA	200,000 BTU, 30-1/2" Length x 60" Width x 16-3/4" Height, Gas Radiant Charbroiler With 4 Drawer Refrigerated Chef Base (Cooking Performance Group 60CBRRBNL)	4,166.13	184.77

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001 Soft Serve Machines *(11 46 13)*

11 46 13 00-0002	EA	Soft Serve Machines, Medium	13,560.43	109.32
11 46 13 00-0003	EA	Soft Serve Machines, Large	22,892.41	133.56

11 46 13 00-0004 Salad Bars *(11 46 13)*

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	14,028.57	473.85
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	12,862.65	473.85
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	9,053.78	260.34
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	7,159.33	213.88
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	10,877.58	313.78
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	11,990.14	277.95
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,710.83	47.08
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,820.52	47.08

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	763.18	19.21

11 46 16 00-0003 Reach-In Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	1,642.33	41.35
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	3,758.39	94.72

11 46 16 00-0006 Countertop Food Warmer *(11 46 16)*

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	210.93	33.24
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	184.48	33.24
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	572.12	33.24
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	394.12	33.24

11 46 16 00-0011 Hot Cabinets With Top Wells Electric *(11 46 16)*

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	8,739.05	174.75
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	12,485.72	250.44

11 46 16 00-0014 Portable Hot Food Units *(11 46 16)*

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	5,463.50	
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	6,257.52	
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	7,073.40	

11 46 16 00-0018 Stationary Hot Food Units *(11 46 16)*

11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,653.48	35.59
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	2,218.51	40.97
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,762.38	52.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0022		**Serving Counters** *(11 46 16)*		
11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	112.18	37.73
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	143.04	57.81
11 46 16 00-0025		**Drop-In Equipment** *(11 46 16)*		
11 46 16 00-0026	EA	Hot Food Well, Rectangular	552.85	120.24
11 46 16 00-0027	EA	Hot Food Well, Circular	504.05	120.24
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,886.10	120.24
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	2,143.21	133.56
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	2,435.21	150.30
11 46 16 00-0031	EA	Frost Cold Plate	2,243.95	133.56
11 46 16 00-0032		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	3,721.31	219.50
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	5,300.12	307.25
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	1,537.12	219.50
11 46 16 00-0036	EA	Hot Chocolate Dispenser	1,496.27	180.79
11 46 16 00-0037	EA	Iced Tea Brewer	2,191.79	180.79
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	1,510.09	266.93
11 46 16 00-0039	EA	Jet Spray Dispenser	2,181.69	267.21
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	1,857.59	150.30
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	2,553.11	150.30
11 46 16 00-0042		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	2,025.79	33.24
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser	763.94	32.98
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser	1,298.40	102.54
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser	473.27	23.10
11 46 16 00-0047		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	2,989.35	23.10
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	172.43	28.91
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	492.13	28.91
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	3,785.85	153.29
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	8,688.17	344.60
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	3,324.73	109.44
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	454.83	14.80
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	2,904.00	104.67
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	4,772.90	156.90
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	5,799.27	154.19
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	8,368.07	193.96
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	6,073.82	154.19
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	8,767.08	193.96
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		
11 46 16 00-0068	EA	Mobile, Heated Cabinet	6,582.60	57.73
11 46 16 00-0069		**Smoothie Machine** *(11 46 16)*		
11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	373.69	33.24
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	329.33	33.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	396.45	33.24
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	407.83	33.24
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	222.09	33.24
11 46 16 00-0075		**Refrigerated Buffet Display Table** *(11 46 16)*		
11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	3,526.16	33.24
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	4,668.83	33.24
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	5,392.70	33.24
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	6,314.17	33.24
11 46 16 00-0080		**Refrigerated Bakery Display Case** *(11 46 16)*		
11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	1,938.98	23.10
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	2,223.03	23.10
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	2,229.58	26.42
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	2,418.94	26.42
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	2,418.94	26.42
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	3,098.93	26.42
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	3,098.93	26.42
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	3,900.98	30.76
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	4,957.08	30.76
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	3,900.98	30.76
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	4,957.08	30.76
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	4,131.83	30.76
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	4,131.83	30.76
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	4,131.83	30.76
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	4,391.00	30.76
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	5,581.92	30.76
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	4,391.00	30.76
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	5,257.12	30.76
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	5,581.92	30.76
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	5,912.68	30.76
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	4,650.78	30.76
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	5,568.50	30.76
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	5,912.68	30.76
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	4,650.78	30.76
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	6,117.57	30.76
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	5,761.46	30.76
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	6,117.57	30.76
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	6,117.57	30.76
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	6,103.26	30.76
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	1,959.95	33.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	6,486.39	33.62
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	5,101.92	33.62
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	5,251.46	30.76
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	2,385.04	33.62
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	6,699.94	33.62
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	6,699.94	33.62
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	6,699.94	33.62
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	5,454.80	33.62
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	8,065.33	33.62
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	8,065.33	33.62
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	8,065.33	33.62
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	6,269.70	33.62
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	8,192.08	33.62
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	15,464.53	33.62
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	15,464.53	33.62
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	8,566.27	36.95
11 46 16 00-0127		**Dry Bakery Display Case** *(11 46 16)*		
11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	1,695.01	23.10
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	1,695.01	23.10
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	1,878.31	23.10
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	1,878.31	23.10
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,159.82	26.42
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	2,572.25	26.42
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	2,517.26	26.42
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	2,517.26	26.42
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	5,274.27	30.76
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	10,486.93	30.76
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	6,373.53	36.95
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	5,115.35	33.62
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	5,115.35	33.62
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	5,115.35	33.62
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	5,115.35	33.62
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	5,320.19	33.62
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	5,320.19	33.62
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	5,752.20	36.95
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	5,752.20	36.95
11 46 16 00-0147		**Dual Dry/Refrigerated Bakery Display Case** *(11 46 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	16,788.26	33.62
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	16,788.26	33.62
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	16,788.26	33.62
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	16,795.00	36.95
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	17,239.25	36.95

11 46 16 00-0153 Refrigerated Deli Case *(11 46 16)*

11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	7,928.18	123.15
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	7,928.18	123.15
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	9,077.97	123.15
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	9,077.97	123.15
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	1,873.52	73.91
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	2,036.73	73.91
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	1,873.52	73.91
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	2,125.23	92.38
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	2,305.62	92.38
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	2,496.08	123.15
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	2,496.08	123.15
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	2,813.91	123.15
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	2,186.85	123.15
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	2,719.42	123.15
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	2,719.42	123.15
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	2,985.71	123.15

11 46 19 Soda Fountain Equipment *(11 46)*

11 46 19 00-0001 Carbonated Beverage Dispensing *(11 46 19)*

11 46 19 00-0002	EA	Carbonated Beverage Dispenser	3,946.02	375.80
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 Lb. Ice	6,332.73	429.44
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 Lb. Ice	11,725.51	601.19

11 46 19 00-0005 Beverage Chilling Systems *(11 46 19)*

11 46 19 00-0006	EA	Beverage Chiller, Small	8,296.11	377.19
11 46 19 00-0007	EA	Beverage Chiller, Large	15,528.55	565.84

11 46 83 Ice Machines *(11 46)*

11 46 83 00-0001 Undercounter Ice Machines With Bin *(11 46 83)*

11 46 83 00-0002	EA	53 Lb./Day, Air-Cooled Undercounter Octagonal Cube Ice Machine With 25 Lb. Capacity Bin (Manitowoc SM-50A 115/60/1)	2,420.27	23.10
11 46 83 00-0003	EA	85 Lb./Day, Air-Cooled Undercounter Pearl/Nugget Ice Machine With 22 Lb. Capacity Bin (Ice-O-Matic GEMU090)	3,845.16	161.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 83 00-0004	EA	137 Lb./Day, Air-Cooled Undercounter Half Dice Cube Ice Machine With 90 Lb. Capacity Bin (Manitowoc UYF0140A)	2,919.81	161.86
11 46 83 00-0005	EA	100 Lb./Day, Undercounter, Air-Cooled Ice Machine With 57 Lb. Capacity Bin (Scotsman CU0920MA)	2,849.04	161.86
11 46 83 00-0006	EA	227 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2024SA)	3,069.19	173.43
11 46 83 00-0007	EA	282 Lb./Day, Undercounter, Air-Cooled Ice Machine With 80 Lb. Capacity Bin (Scotsman UC2724SA)	3,438.28	173.43
11 46 83 00-0008		Ice Cube Maker *(11 46 83)*		
11 46 83 00-0009	EA	320 Lb./Day, Modular Ice Maker Without Bin	4,162.69	173.43
11 46 83 00-0010	EA	451 Lb./Day, Modular Ice Maker Without Bin	4,525.25	184.99
11 46 83 00-0011	EA	600 Lb./Day, Modular Ice Maker Without Bin	5,194.31	184.99
11 46 83 00-0012	EA	901 Lb./Day, Modular Ice Maker Without Bin	7,460.52	196.54
11 46 83 00-0013	EA	1301 Lb./Day, Modular Ice Maker Without Bin	8,479.07	196.54
11 46 83 00-0014	EA	1601 Lb./Day, Modular Ice Maker Without Bin	10,236.25	208.10
11 46 83 00-0015	EA	1900 Lb./Day, Modular Ice Maker Without Bin	11,318.68	208.10
11 46 83 00-0016		Ice Flakers *(11 46 83)*		
11 46 83 00-0017	EA	300 Lb./Day, Ice Flakers	6,306.65	614.73
11 46 83 00-0018	EA	600 Lb./Day, Ice Flakers	11,421.97	983.58
11 46 83 00-0019	EA	1,000 Lb./Day, Ice Flakers	14,122.77	1,352.43
11 46 83 00-0020	EA	2,000 Lb./Day, Ice Flakers	17,251.53	1,475.37
11 46 83 00-0021		Ice Storage Bins *(11 46 83)*		
11 46 83 00-0022	EA	260 Lb. Capacity, Stainless Steel Ice Storage Bin	1,676.29	138.58
11 46 83 00-0023	EA	360 Lb. Capacity, Stainless Steel Ice Storage Bin	1,839.83	138.58
11 46 83 00-0024	EA	550 Lb. Capacity, Stainless Steel Ice Storage Bin	2,299.02	150.12
11 46 83 00-0025	EA	660 Lb. Capacity, Stainless Steel Ice Storage Bin	2,480.74	150.12
11 46 83 00-0026	EA	1,150 Lb. Capacity, Stainless Steel Ice Storage Bin	4,775.19	161.67

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

11 48 13 00-0001		Rack Type Dishwasher *(11 48 13)*		
11 48 13 00-0002	EA	Dishwasher, 1 Tank And 190 To 230 Racks/Hour	25,958.07	1,044.65
11 48 13 00-0003	EA	Dishwasher, 2 Tanks And 234 To 260 Racks/Hour	42,250.41	1,290.46
11 48 13 00-0004	EA	Dishwasher, 2 Tanks And 265 To 290 Racks/Hour	50,503.50	1,474.81
11 48 13 00-0005		Undercounter Type Dishwasher *(11 48 13)*		
11 48 13 00-0006	EA	High Speed, Undercounter Commercial Dishwasher (Hobart LX30-H)	6,527.08	215.08
11 48 13 00-0007		Exhaust Hood Dishwasher *(11 48 13)*		
11 48 13 00-0008	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,624.11	264.05
11 48 13 00-0009	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	4,473.38	316.86
11 48 13 00-0010		Dish Tables *(11 48 13)*		
11 48 13 00-0011	LF	Clean/Soiled Dish Table, Basic	302.68	47.20
11 48 13 00-0012	LF	Clean/Soiled Dish Table With Trough	475.77	70.73
11 48 13 00-0013	LF	Clean/Soiled Dish Table, Maximum	576.36	94.27
11 48 13 00-0014		Sprays And Hoses *(11 48 13)*		
11 48 13 00-0015		Sprays, Fillers *(11 48 13 00-0014)*		
11 48 13 00-0016	EA	Pre-Rinse Spray	484.40	89.64
11 48 13 00-0017	EA	Kettle Fillers	423.39	89.64
11 48 13 00-0018		Hoses *(11 48 13 00-0014)*		
11 48 13 00-0019	EA	Hose Reel	581.29	107.61
11 48 13 00-0020	EA	Wash-Down Hose	459.27	107.61
11 48 13 00-0021	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,466.02	

11 48 16 Foodservice Disposal Equipment *(11 48)*

11 48 16 00-0001		Garbage Disposals *(11 48 16)* Note: Manual switch.		
11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,675.65	165.92
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,114.58	172.06
11 48 16 00-0004	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,270.49	178.21
11 48 16 00-0005	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,969.82	184.35
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	3,238.18	202.79
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	4,566.83	221.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	5,456.00	245.80
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	7,597.39	264.23
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	10,007.06	276.52
11 48 16 00-0011		Pulper/Extractors *(11 48 16)*		
11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	6,633.58	256.00

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001		Screens *(11 52 13 13)*		
11 52 13 13-0002		Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B) *(11 52 13 13-0001)*		
11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	424.48	93.42
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	505.63	120.11
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	640.16	166.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	741.35	200.18
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	1,148.17	300.28
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	1,352.66	333.64
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	974.67	213.53
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	1,115.88	266.92
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	602.29	113.44
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	833.47	160.15
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	907.95	180.17
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	969.08	193.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	1,118.03	233.55
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	915.69	166.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	1,037.96	193.51
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0018		Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	987.81	120.11
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	1,156.78	166.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	1,345.77	226.88
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	1,561.46	300.28
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,712.58	306.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,834.83	333.64
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,869.27	333.64
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	2,012.63	353.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	2,156.01	373.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	2,312.70	400.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	2,588.23	400.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	2,992.91	533.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0031 Heavy-Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,845.60	166.82
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,069.03	226.88
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,284.72	300.28
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,401.40	306.95
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,558.09	333.64
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,592.53	333.64
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,735.89	353.66
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,797.04	367.00
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,139.28	400.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,449.25	400.38
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	3,922.82	533.83
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,612.49	150.13
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,673.44	166.82
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,792.61	200.18
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,230.08	300.28
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,309.65	306.95
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,514.77	333.64
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,583.75	333.64
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,762.91	357.00
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,981.15	373.68
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,125.58	400.38
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,249.74	400.38
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	4,731.88	533.83

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,652.27	400.38
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,194.71	533.83
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,912.46	600.56
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,390.33	667.28
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	10,001.65	800.74
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	11,168.33	867.48
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,231.70	934.20
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,920.52	934.20
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,910.70	1,067.66
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	12,890.38	867.48
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,635.17	1,067.66
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	14,246.49	1,201.12
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	13,712.66	934.20
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	17,690.59	1,201.12

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,151.81	150.13
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,288.49	166.82
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,424.11	200.18
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,865.38	300.28
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,947.61	306.95
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,207.63	333.64
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,414.27	333.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,564.30	357.00
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,769.89	373.68
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,961.02	400.38
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,029.91	400.38
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,641.24	533.83
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,259.02	567.20
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,670.16	600.56
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,561.32	667.28
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	11,000.44	800.74

11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,104.80	150.13
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,219.74	183.51
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,284.11	200.18
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,584.17	300.28
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,628.52	306.95
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,812.77	333.64
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,995.30	333.64
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,286.54	357.00
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,368.14	373.68
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,569.61	400.38
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,565.30	467.10
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	7,180.94	533.83
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,962.83	567.20
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,356.75	600.56
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,127.37	667.28
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	10,538.93	800.74
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,481.74	867.48
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,190.37	934.20
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	12,693.21	934.20
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	14,034.69	1,067.66
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,284.11	200.18
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,517.44	266.92
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,615.17	300.28
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,402.58	373.68
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,851.16	467.10
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,492.28	600.56
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,020.94	734.02
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	15,871.25	1,000.93
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,534.66	266.92
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,666.83	300.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,806.74	320.30
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	5,891.13	346.99
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,237.27	373.68
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	6,720.29	467.10
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	8,399.29	600.56
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	9,706.32	734.02
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy-duty screen for recessed or exposed installation.	11,781.38	867.48
11 52 13 13-0126		Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)* Note: In-the-ceiling screen with automatically operated door to conceal screen.		
11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,109.57	150.13
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,209.15	166.82
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,325.55	200.18
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,696.80	300.28
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,765.34	306.95
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,937.35	333.64
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,122.22	333.64
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,287.57	357.00
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,409.25	373.68
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,603.34	400.38
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,793.72	400.38
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,220.68	533.83
11 52 13 13-0139		Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)* Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.		
11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,748.99	333.64
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,846.80	400.38
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,589.17	600.56
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	24,673.52	800.74
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	27,351.30	934.20
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,713.34	333.64
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,258.88	400.38
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,322.25	467.10
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	24,273.15	600.56
11 52 13 13-0149		Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)* Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.		
11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,890.79	333.64
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,131.38	367.00
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,019.80	400.38
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,603.63	433.74
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,961.59	13,494.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,503.67	533.83
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,862.99	600.56
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,804.78	667.28
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	29,990.24	734.02
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	40,101.42	800.74
11 52 13 13-0160		Screen Accessories *(11 52 13 13-0001)*		
11 52 13 13-0161		Manual Pull Down Accessories *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	82.01	10.01
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	116.45	10.68
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	137.12	12.01
11 52 13 13-0165		Electric Powered Screen Accessories *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	856.49	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	1,235.34	
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		Projectors *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	1,411.94	66.72
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,635.67	66.72
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	2,163.05	66.72
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,409.56	66.72
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	3,968.90	66.72
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	5,039.63	66.72
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	8,012.09	66.72
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	10,856.71	66.72
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	16,114.46	66.72
11 52 16 26-0011		Projector Mounts *(11 52 16 26)*		
11 52 16 26-0012		Universal Projector Mounts *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	312.47	73.38
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	510.86	73.38
11 52 16 26-0015		Projector Mount Components *(11 52 16 26-0011)* Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		Ceiling Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	113.88	33.35
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	154.60	33.35
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	214.87	33.35
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	266.67	33.35
11 52 16 26-0021		Projector Attachment Plates For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	393.14	33.35
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	867.80	33.35
11 52 16 26-0024		Threaded Extension Columns For Projector Mounts *(11 52 16 26-0015)*		
11 52 16 26-0025		Fixed Length, Threaded Extension Column For Projector Mounts *(11 52 16 26-0024)* Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	67.72	10.00
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	87.82	10.00
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	95.35	10.00
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	100.37	10.00
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	119.60	13.34
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	144.71	13.34
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	184.89	13.34
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	212.52	13.34
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	249.32	16.68
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	284.48	16.68
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	316.27	20.01
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	331.34	20.01

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0038		Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*		
		Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	138.82	16.68
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	214.16	16.68
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	219.19	16.68
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	226.72	16.68
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	245.96	20.01
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	258.51	20.01
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	286.14	20.01
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	311.25	20.01
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	345.53	23.35
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	370.65	23.35
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	404.95	26.68
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	422.53	26.68

11 52 33 Interactive Displays *(11 52)*

11 52 33 00-0001		Television Monitors And Panels *(11 52 33)*		
		Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.		
11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	715.57	18.47
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	785.27	20.79
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	1,067.67	23.10
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI	1,077.51	23.10
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI	1,220.40	25.40
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI	1,433.59	27.71
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI	1,787.38	30.02
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI	2,138.85	30.02
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI	2,492.64	32.33
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI	3,022.17	34.65
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI	4,781.85	36.96
		Note: Includes 4 - HDMI, 3 - USB, 1 - component input.		
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	2,198.56	27.71
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	3,069.22	30.02
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	4,156.97	32.33
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	4,376.38	34.65
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	6,547.25	34.65
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086)	19,954.91	36.96
11 52 33 00-0019		Flat Panel Display Mounting *(11 52 33)*		
		Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.		
11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays	390.04	102.25
		Note: 2.6" To 16.6" swing arm extension, 12-degrees tilt		
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays	622.10	127.80
		Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays	631.38	153.37
		Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate	677.87	153.37
		Note: 4.5" To 20.3" swing arm extension, 15-degrees tilt		
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays	677.87	153.37
		Note: 4.5" To 26.2" swing arm extension, 15-degrees tilt		
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays	366.85	102.25
		Note: 8" Extension		
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays	510.75	127.80
		Note: 9.7" Extension		
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays	909.84	153.37
		Note: 10.2" Extension		
11 52 33 00-0028	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays	1,325.42	178.93
		Note: 20" Extension		
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	464.36	127.80
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	557.15	127.80
11 52 33 00-0031	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	654.06	153.37
11 52 33 00-0032	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	371.57	127.80
11 52 33 00-0033	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	441.16	127.80
11 52 33 00-0034	EA	Low Profile Wall Mounts For 75" Flat Panel Displays	523.81	153.37
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling	625.95	204.49
		Note: 360 degree rotation, 15-degree tilt.		
11 52 33 00-0036	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling	756.20	204.49
		Note: 360 degree rotation, 15-degree tilt.		
		For 28" To 41" Extension Pole, Add	*45.38*	
		For 38" To 51" Extension Pole, Add	*57.79*	
		For 48" To 61" Extension Pole, Add	*66.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0037	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling Note: 360 degree rotation, 15-degree tilt.	801.69	204.49
11 52 33 00-0038		**Audio/Video Components** *(11 52 33)*		
11 52 33 00-0039	EA	MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	1,619.88	76.68
11 52 33 00-0040	EA	MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	2,211.87	76.68
11 52 33 00-0041	EA	MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	495.11	25.56
11 52 33 00-0042	EA	MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01)	575.84	25.56
11 52 33 00-0043	EA	MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamplifier Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	2,343.72	102.25
11 52 33 00-0044	EA	MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	2,612.80	102.25
11 52 33 00-0045	EA	MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	2,612.80	102.25
11 52 33 00-0046	EA	Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	162.42	12.78
11 52 33 00-0047	EA	DVD/VCR Combo (Toshiba #SD V296)	167.97	
11 52 33 00-0048	EA	DVD/VCR Combo (Toshiba #SD V392)	170.29	
11 52 33 00-0049	EA	DVDr/VCR Combo (Toshiba #DVR620)	314.11	
11 52 33 00-0050	EA	DVDr/VCR Combo (Toshiba #DVR670)	432.42	
11 52 33 00-0051		**Audio/Video Cabling** *(11 52 33)*		
11 52 33 00-0052	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	42.91	
11 52 33 00-0053	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	63.09	
11 52 33 00-0054	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	94.40	
11 52 33 00-0055	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	196.83	
11 52 33 00-0056	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	277.56	
11 52 33 00-0057	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	381.03	
11 52 33 00-0058	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	522.30	
11 52 33 00-0059	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	643.38	
11 52 33 00-0060	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	767.03	
11 52 33 00-0061	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	847.76	
11 52 33 00-0062	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	1,011.76	
11 52 33 00-0063	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	1,216.13	
11 52 33 00-0064	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	42.91	
11 52 33 00-0065	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	63.09	
11 52 33 00-0066	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	94.40	
11 52 33 00-0067	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	196.83	
11 52 33 00-0068	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	277.56	
11 52 33 00-0069	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	381.02	
11 52 33 00-0070	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	522.29	
11 52 33 00-0071	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	643.37	
11 52 33 00-0072	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	767.03	
11 52 33 00-0073	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	847.76	
11 52 33 00-0074	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	1,011.76	
11 52 33 00-0075	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	1,216.13	
11 52 33 00-0076	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	18.70	
11 52 33 00-0077	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	29.33	
11 52 33 00-0078	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	22.73	
11 52 33 00-0079	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	24.75	
11 52 33 00-0080	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	33.85	
11 52 33 00-0081	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	39.91	
11 52 33 00-0082	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	63.64	
11 52 33 00-0083	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	89.87	
11 52 33 00-0084	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	118.67	
11 52 33 00-0085	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	159.03	
11 52 33 00-0086	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	199.39	
11 52 33 00-0087	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	32.82	
11 52 33 00-0088	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	34.84	
11 52 33 00-0089	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	43.94	
11 52 33 00-0090	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	54.03	
11 52 33 00-0091	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	75.74	
11 52 33 00-0092	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	101.98	
11 52 33 00-0093	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	138.85	
11 52 33 00-0094	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	179.21	
11 52 33 00-0095	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	229.67	
11 52 33 00-0096	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	6.59	
11 52 33 00-0097	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	8.60	
11 52 33 00-0098	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	10.62	
11 52 33 00-0099	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	14.66	

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 66 13 00-0001		Fitness Systems *(11 66 13)*		
11 66 13 00-0002		Components For Physical Fitness Activities *(11 66 13 00-0001)*		
11 66 13 00-0003	EA	Sit And Reach	1,433.27	115.99
11 66 13 00-0004	EA	Isometric Squat	534.93	46.40
11 66 13 00-0005	EA	Log Jump	3,449.45	185.59
11 66 13 00-0006	EA	Step Up	786.23	92.79
11 66 13 00-0007	EA	Hip Rotation	3,778.45	162.40
11 66 13 00-0008	EA	Body Curl	1,403.55	92.79
11 66 13 00-0009	EA	Horizontal Ladder	4,567.31	185.59
11 66 13 00-0010	EA	Chin Up	3,466.14	185.59
11 66 13 00-0011	EA	Push Up	2,112.64	92.79
11 66 13 00-0012	EA	Leg Raise	2,956.25	139.19
11 66 13 00-0013	EA	Log Hop	1,335.78	46.40
11 66 13 00-0014	EA	Parallel Bar	2,843.63	139.19
11 66 13 00-0015	EA	Leg Stretch	1,203.34	92.79
11 66 13 00-0016	EA	Balance Beam	1,077.69	69.59
11 66 13 00-0017	EA	Log Roll	3,385.34	115.99

11 68 Play Field Equipment and Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001		Standalone Playground Equipment *(11 68 13)*		
11 68 13 00-0002		Ground Socket For Movable Posts *(11 68 13 00-0001)*		
11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	291.46	62.65
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	444.68	62.65
11 68 13 00-0005		See-Saws *(11 68 13 00-0001)*		
11 68 13 00-0006		Steel See-Saw *(11 68 13 00-0005)*		
11 68 13 00-0007	EA	2 Unit Steel See-Saw	2,443.53	385.56
11 68 13 00-0008	EA	4 Unit Steel See-Saw	3,943.68	455.63
11 68 13 00-0009	EA	6 Unit Steel See-Saw	5,461.82	556.90
11 68 13 00-0010		14' Long Laminated Beam *(11 68 13 00-0005)*		
11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	2,585.60	340.92
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,796.05	303.69
11 68 13 00-0013		Slides *(11 68 13 00-0001)*		
11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	2,933.71	440.88
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	4,112.13	626.52
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	4,554.55	696.12
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	5,708.92	771.12
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	18,377.11	1,213.02
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	17,700.09	1,251.36
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	22,257.49	1,315.21
11 68 13 00-0021		Whirlers *(11 68 13 00-0001)*		
11 68 13 00-0022	EA	8' Diameter Whirler	6,560.43	835.35
11 68 13 00-0023	EA	10' Diameter Whirler	7,621.38	1,002.42
11 68 13 00-0024		Other Standalone Playground Equipment *(11 68 13 00-0001)*		
11 68 13 00-0025		Miscellaneous Standalone Playground Equipment *(11 68 13 00-0024)*		
11 68 13 00-0026	EA	Horizontal Ladder	2,084.59	223.17
11 68 13 00-0027	EA	Tether Ball Post	354.92	43.62
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	542.65	77.13
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	9,606.13	217.93
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	667.47	116.45
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	901.25	139.19
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	1,215.04	185.59
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,776.15	255.19
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,854.20	106.25
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	2,041.38	114.70
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,997.82	122.96
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	2,224.45	105.78
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	2,737.71	138.54
11 68 13 00-0039	EA	Coil Spring Assembly Only	509.07	50.95
11 68 13 00-0040	EA	"C" Spring Assembly Only	338.27	33.96
11 68 13 00-0041	EA	Rubber Spring Assembly Only	262.21	66.25
11 68 13 00-0042	EA	Footbuck Assembly Only	87.92	8.90
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	2,270.39	127.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0044		**Freestanding Panels** *(11 68 13 00-0024)*		
		Note: Rotomolded polyethylene.		
11 68 13 00-0045	EA	Tic-Tac-Toe Panel	966.78	54.56
11 68 13 00-0046	EA	24" Bubble Panel	1,448.28	81.75
11 68 13 00-0047	EA	Fire Engine Panel	2,125.40	119.99
11 68 13 00-0048	EA	Flat Mirror Panel	1,700.32	96.04
11 68 13 00-0049	EA	Wavy Mirror Panel	2,516.61	142.17
11 68 13 00-0050	EA	Paint Time Panel	1,632.60	92.24
11 68 13 00-0051	EA	Phone Time Panel	1,158.62	65.42
11 68 13 00-0052	EA	Phone Time With Graphic Panel	1,158.62	65.42
11 68 13 00-0053	EA	Race Time Panel	2,031.34	114.70
11 68 13 00-0054	EA	Rescue 911 Panel	2,061.38	114.70
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	1,109.72	62.64
11 68 13 00-0056	EA	Career People Panel	1,260.17	71.17
11 68 13 00-0057	EA	Solar System Panel	1,260.17	71.17
11 68 13 00-0058	EA	Animals Panel	1,260.17	71.17
11 68 13 00-0059		**Freestanding Panels Uprights** *(11 68 13 00-0024)*		
11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	301.42	30.62
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	326.55	33.13
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	326.55	33.13
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	347.48	35.26
11 68 13 00-0064		**Coasters** *(11 68 13 00-0024)*		
11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	7,473.18	371.18
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	8,361.99	463.98
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	12,083.90	556.77
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	13,748.92	695.96
11 68 13 00-0069		**Climbers** *(11 68 13 00-0024)*		
11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High	1,389.18	247.95
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	1,268.05	303.62
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	1,375.13	247.95
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,476.53	303.62
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,579.99	247.67
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,767.69	247.76
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	2,055.25	247.76
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	2,243.26	247.67
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	2,705.70	289.98
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	2,201.24	216.54
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	2,232.87	216.54
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	2,442.34	216.54
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	2,304.73	278.39
11 68 13 00-0083	EA	2-Way Climber	1,935.39	223.17
11 68 13 00-0084	EA	4-Way Climber	3,072.47	223.17
11 68 13 00-0085		**Swings** *(11 68 13 00-0001)*		
11 68 13 00-0086		**Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail** *(11 68 13 00-0085)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	1,824.79	340.92
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*211.86*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*238.12*	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	2,910.60	487.84
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*339.46*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*387.52*	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	4,027.90	717.85
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*469.29*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*533.91*	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	5,046.54	835.35
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*589.04*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*674.26*	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	1,945.96	340.92
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*227.00*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*259.33*	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	3,042.91	519.59
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*353.67*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*399.06*	
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats	4,203.21	806.85
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*486.97*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*543.38*	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats	5,566.49	974.58
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*647.06*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*730.39*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0095		Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0085)*		
		Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats	2,087.17	301.10
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*245.84*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*289.97*	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats	3,029.36	436.89
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*356.83*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*420.92*	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats	4,041.61	584.28
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*475.99*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*561.21*	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats	5,049.19	696.12
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*596.34*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*709.55*	
11 68 13 00-0100	EA	10' High Top Rail, One Section, Two Seats	2,353.73	339.34
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*277.25*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*327.08*	
11 68 13 00-0101	EA	10' High Top Rail, One Section Three Seats	2,458.12	359.85
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*290.12*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*344.46*	
11 68 13 00-0102	EA	10' High Top Rail, Two Sections, Four Seats	3,285.98	475.04
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*386.99*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*456.28*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Six Seats	3,951.69	547.62
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*467.87*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*561.10*	
11 68 13 00-0104	EA	10' High Top Rail, Three Section, Six Seats	4,374.01	631.99
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*515.15*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*607.45*	
11 68 13 00-0105	EA	10' High Top Rail, Three Sections, Nine Seats	5,444.63	696.40
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*645.77*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*778.75*	
11 68 13 00-0106	EA	10' High Top Rail, Four Section, Eight Seats	5,548.84	835.35
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*651.83*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*762.16*	
11 68 13 00-0107	EA	12' High Top Rail, One Section Three Seats	2,570.72	368.57
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*303.78*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*362.08*	
11 68 13 00-0108	EA	12' High Top Rail, Two Sections, Six Seats	4,181.77	593.01
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*494.47*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*590.57*	
11 68 13 00-0109	EA	12' High Top Rail, Three Sections, Nine Seats	6,094.46	949.79
		For Extra Heavy-Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*715.40*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*834.49*	
11 68 13 00-0110		Swing Accessories *(11 68 13 00-0085)*		
11 68 13 00-0111	EA	Enclosed Tot Seat With Chain And Hardware	609.94	27.97
11 68 13 00-0112	EA	Bucket Seat With Chain And Hardware	507.07	23.26
11 68 13 00-0113	EA	Belt Seat With Chain And Hardware	540.13	24.83
11 68 13 00-0114	EA	Seat With Chain And Hardware	532.79	24.47
11 68 13 00-0115	EA	Wide Seat With Chain And Hardware	562.39	25.85
11 68 13 00-0116	EA	Handi Seat With Chain And Hardware	1,679.18	77.09
11 68 13 00-0117	LF	0.4 Lb./LF Replacement Chain	7.02	0.55
11 68 13 00-0118	LF	1 Lb./LF Replacement Chain	13.04	1.10
11 68 13 00-0119	EA	Swing Hanger Replacement	76.23	6.37

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001		Basketball Systems *(11 68 23 13)*		
		See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616)	2,492.01	268.46
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230)	4,459.88	295.31
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230)	2,868.12	268.46
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230)	4,459.88	295.31
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582)	8,009.26	434.27
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0007		**Basketball Components** *(11 68 23 13)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
11 68 23 13-0008	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120)	34.07	9.28
11 68 23 13-0009	EA	Chain Basketball Net (Porter Athletic 00161-000)	61.42	9.28
11 68 23 13-0010	EA	Heavy-Duty Goal Ring (Porter Athletic 00235-000)	140.90	46.40
11 68 23 13-0011	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00)	257.45	20.88
11 68 23 13-0012	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,498.88	39.44
11 68 23 13-0013	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) Note: Includes perimeter and target markings. Excludes pole and goal.	1,927.58	39.44
11 68 23 13-0014	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) Note: Includes perimeter and target markings. Excludes pole and goal.	980.52	34.80
11 68 23 13-0015	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) Note: Includes perimeter and target markings. Excludes pole and goal.	1,073.02	34.80
11 68 23 33		**Tennis Equipment** *(11 68 23)*		
11 68 23 33-0001		**Tennis Court Net Posts** *(11 68 23 33)*		
11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	1,163.26	157.78
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,482.47	157.78
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,535.67	157.78
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,627.68	157.78
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,955.26	157.78
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	289.38	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	329.14	
11 68 23 33-0009		**Tennis Court Nets** *(11 68 23 33)*		
11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	632.90	155.93
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	696.38	155.93
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,514.54	239.93
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	81.53	
11 68 33		**Athletic Field Equipment** *(11 68)*		
11 68 33 13		**Football Field Equipment** *(11 68 33)*		
11 68 33 13-0001		**Football Goal Posts** *(11 68 33 13)* Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	5,183.05	417.57
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	7,591.47	653.29
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	9,066.97	783.95
11 68 33 23		**Soccer and Field Hockey Equipment** *(11 68 33)*		
11 68 33 23-0001		**Soccer Goal Posts** *(11 68 33 23)* Note: Includes augering for post(s), set in concrete and backfill.		
11 68 33 23-0002	PR	Regulation Soccer Goal Posts	5,018.11	278.45
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	6,027.91	417.57
11 68 33 33		**Baseball Field Equipment** *(11 68 33)*		
11 68 33 33-0001		**Bases** *(11 68 33 33)*		
11 68 33 33-0002	SET	Bases For Baseball Or Softball	612.32	

11 80 Facility Maintenance and Operation Equipment *(11)*

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001		**Safety And Tie-Back Anchors** *(11 81 29)* Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0057 for engineering testing and inspection.		
11 81 29 00-0002		**Roof Mounted, Safety And Tie-Back Anchors** *(11 81 29 00-0001)* Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor) Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.	840.00	100.10
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	721.73	100.10
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	510.35	85.66
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0006		Wall Mounted, Safety And Tie-Back Anchor *(11 81 29 00-0001)*		
		Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	593.45	100.10
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	535.45	100.10
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	447.56	85.66
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0010		Safety And Tie-Back Anchor Accessories *(11 81 29 00-0001)*		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor)	456.60	
		Note: One cut sheet required per order.		
11 81 29 00-0012		Ladder Safety And Fall Protection *(11 81 29)*		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280)	304.73	18.90
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024)	46.03	2.75
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030)	57.54	6.87
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040)	76.72	4.58
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050)	95.91	5.73
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400)	62.85	4.29
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054)	589.47	11.45
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090)	139.81	11.34
11 81 29 00-0021		Fall-Arrest Systems *(11 81 29)*		
11 81 29 00-0022		Horizontal *(11 81 29 00-0021)*		
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System	808.83	53.71
		Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.		
11 81 29 00-0024		Anchor Points *(11 81 29 00-0021)*		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post	681.73	
		Note: Guardian CD-12 series		
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post	795.49	
		Note: Guardian CD-18 series		
11 81 29 00-0027	EA	Bolt On Roof Anchor	305.03	
		Note: Guardian CD-1-B series		
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud	146.49	
		Note: Super Anchor ARS 2x8		
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud	170.43	
		Note: Super Anchor ARS 2x12		

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001		Electric Incinerator *(11 82 19)*		
11 82 19 00-0002	EA	Electric Package Incinerator, 100 Lb./Hour	40,977.88	1,118.07
11 82 19 00-0003	EA	Electric Package Incinerator, 400 Lb./Hour	83,845.34	2,236.16
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 Lb./Hour	283,413.80	3,354.23

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001		Waste Compactors *(11 82 26)*		
11 82 26 00-0002		110 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 75 Lb./Hour	22,349.02	601.65
11 82 26 00-0004	EA	Waste Compactor, 110 Volt At 250 Lb./Hour	28,076.07	1,443.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 82 26 00-0005		230 Volt Compactors *(11 82 26 00-0001)*		
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Hand Fed	28,011.14	1,925.28
11 82 26 00-0007	EA	Waste Compactor, 230 Volt At 600 Lb./Hour Chute Fed	31,577.67	2,526.92

11 90 Other Equipment *(11)*

11 97 Security Equipment *(11 90)*

11 97 26 Detention Gun Lockers *(11 97)*

11 97 26 00-0001		Hinged Door Gun Lock *(11 97 26)*		
		Note: Two keys per locker with one master.		
11 97 26 00-0002	EA	8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	3,527.58	66.01
11 97 26 00-0003		Hinged-Door Gun Locker *(11 97 26)*		
		Note: Includes master key for each set of 4 compartments, two keys per compartment.		
11 97 26 00-0004	EA	4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	1,379.35	46.21
11 97 26 00-0005	EA	8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	3,135.87	66.01
11 97 26 00-0006	EA	16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	5,737.01	79.21
11 97 26 00-0007	EA	24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	8,311.75	79.21

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001		Metal Frames *(11 98 12)*		
		Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0002		Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*		
11 98 12 00-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,001.73	208.46
11 98 12 00-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,001.73	208.46
11 98 12 00-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,001.73	208.46
11 98 12 00-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,001.73	208.46
11 98 12 00-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.19	208.46
11 98 12 00-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,013.19	208.46
11 98 12 00-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,378.06	333.64
11 98 12 00-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.12	208.46
11 98 12 00-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.12	208.46
11 98 12 00-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.12	208.46
11 98 12 00-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,070.51	208.46
11 98 12 00-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,209.53	277.99
11 98 12 00-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,209.53	277.99
11 98 12 00-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,446.85	333.64
11 98 12 00-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.12	208.46
11 98 12 00-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.12	208.46
11 98 12 00-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.12	208.46
11 98 12 00-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.12	208.46
11 98 12 00-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,047.58	208.46
11 98 12 00-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,047.58	208.46
11 98 12 00-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,412.46	333.64
11 98 12 00-0024		Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4" *(11 98 12 00-0001)*		
11 98 12 00-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.10	208.46
11 98 12 00-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.10	208.46
11 98 12 00-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.10	208.46
11 98 12 00-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.10	208.46
11 98 12 00-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,059.03	208.46
11 98 12 00-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,059.03	208.46
11 98 12 00-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,412.44	333.64
11 98 12 00-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.10	208.46
11 98 12 00-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,036.10	208.46
11 98 12 00-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,070.49	208.46
11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,070.49	208.46
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,209.51	277.99
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,209.51	277.99
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,767.16	370.47
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,070.49	208.46
11 98 12 00-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,070.49	208.46
11 98 12 00-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,070.49	208.46
11 98 12 00-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,070.49	208.46
11 98 12 00-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,081.95	208.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,081.95	208.46
11 98 12 00-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	1,446.82	333.64
11 98 12 00-0046		Metal Detention Doors *(11 98 12)*		
		Note: Flush type reinforced with stiffeners.		
11 98 12 00-0047		10 Gauge 1-3/4" Metal Detention Door *(11 98 12 00-0046)*		
11 98 12 00-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	643.23	74.07
11 98 12 00-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	650.31	74.07
11 98 12 00-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	657.37	74.07
11 98 12 00-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	664.45	74.07
11 98 12 00-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	671.51	74.07
11 98 12 00-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	706.87	74.07
11 98 12 00-0054	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	687.21	74.07
11 98 12 00-0055	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	694.56	74.07
11 98 12 00-0056	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	699.19	74.07
11 98 12 00-0057	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	763.57	74.07
11 98 12 00-0058	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	918.99	74.07
11 98 12 00-0059	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	998.94	74.07
11 98 12 00-0060	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	667.98	74.07
11 98 12 00-0061	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	675.05	74.07
11 98 12 00-0062	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	682.12	74.07
11 98 12 00-0063	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	689.19	74.07
11 98 12 00-0064	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	696.26	74.07
11 98 12 00-0065	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Detention Door	731.62	74.07
11 98 12 00-0066		Pneumatic Door Operators *(11 98 12)*		
11 98 12 00-0067	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set	4,829.80	
11 98 12 00-0068	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	5,322.54	
11 98 12 00-0069	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set	6,813.06	
11 98 12 00-0070	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set	7,989.70	
11 98 12 00-0071	EA	Pneumatic Corridor Detention Door Operator With Hardware Set	9,976.70	
11 98 12 00-0072	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	4,929.62	
11 98 12 00-0073		Security Doors And Frame Assembly *(11 98 12)*		
11 98 12 00-0074	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	10,007.40	472.91
		Note: Complete, with hardware, single plate.		
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0075	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames	12,133.45	469.86
		Note: Complete, with hardware, double plate.		
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 14		**Detention Door Hardware** *(11 98)*		
11 98 14 00-0001		Prison Deadlocks and Deadlatches *(11 98 14)*		
11 98 14 00-0002	EA	115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,223.41	114.53
11 98 14 00-0003	EA	115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,340.19	114.53
11 98 14 00-0004	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	4,510.99	114.53
11 98 14 00-0005	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	5,484.02	114.53
11 98 14 00-0006	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1)	2,342.48	85.90
11 98 14 00-0007	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2)	2,776.61	85.90
11 98 21		**Detention Windows** *(11 98)*		
11 98 21 00-0001		Visitor Cubicle *(11 98 21)*		
		Note: Excludes glazing.		
11 98 21 00-0002	EA	Detention Visitor Cubicle, Vision Panel, No Intercom	12,062.33	939.83

END OF SECTION 11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings *(12)*

12 01 60 Operation and Maintenance of Multiple Seating *(12 01)*

12 01 60 00-0001 Repair Fixed Auditorium Seating *(12 01 60)*

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	205.50	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	95.88	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part	133.33	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	152.88	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part	249.04	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	203.24	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	76.77	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part	81.10	
12 01 60 00-0010	EA	Secure Seat To Floor	76.81	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor Note: Includes drilling and fasteners.	83.80	
		For Epoxy Anchoring, Add	*27.05*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back Note: Includes removal of existing upholstery.	236.14	

12 20 Window Treatments *(12)*

12 21 Window Blinds *(12 20)*

12 21 13 Horizontal Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds *(12 21 13)*

12 21 13 13-0001 Aluminum Horizontal Louver Blinds *(12 21 13 13)*

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	12.52	1.09
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	10.28	1.09
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	11.14	1.09
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	12.86	1.09

12 21 13 33 Plastic Horizontal Louver Blinds *(12 21 13)*

12 21 13 33-0001 Vinyl Horizontal Louver Blinds *(12 21 13 33)*

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	10.62	1.09
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	12.26	1.09

12 21 16 Vertical Louver Blinds *(12 21)*

Note: Includes head rail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds *(12 21 16)*

12 21 16 13-0001 Aluminum Vertical Louver Blinds *(12 21 16 13)*

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	14.74	2.30

12 21 16 33 Plastic Vertical Louver Blinds *(12 21 16)*

12 21 16 33-0001 Vinyl Vertical Louver Blinds *(12 21 16 33)*

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	9.65	2.30
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	13.36	2.30

12 22 Curtains and Drapes *(12 20)*

12 22 13 Draperies *(12 22)*

12 22 13 00-0001 Lined Draperies *(12 22 13)*

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	377.14	16.69
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	392.59	16.69
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	417.70	16.69
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	427.35	16.69
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	450.53	16.69
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	481.43	16.69
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	500.74	16.69
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	527.78	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	570.27	16.69
12 22 13 00-0012		**>48" To 72" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	547.52	22.69
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	582.28	22.69
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	609.32	22.69
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	632.49	22.69
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	686.57	22.69
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	713.61	22.69
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	736.79	22.69
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	787.00	22.69
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	841.08	22.69
12 22 13 00-0022		**>72" To 96" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	725.63	28.70
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	775.85	28.70
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	799.02	28.70
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	853.10	28.70
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	903.31	28.70
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	953.53	28.70
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	980.57	28.70
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	1,034.64	28.70
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	1,108.03	28.70
12 22 13 00-0032		**>96" To 120" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	915.32	34.70
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	965.54	34.70
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	992.58	34.70
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	1,069.83	34.70
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	1,120.04	34.70
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	1,174.12	34.70
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	1,465.53	34.70
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,305.45	34.70
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,344.08	34.70
12 22 13 00-0042		**>120" To 144" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	1,081.84	40.70
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	1,155.23	40.70
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	1,182.27	40.70
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	1,259.52	40.70
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,336.78	40.70
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,414.03	40.70
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,491.28	40.70
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,568.54	40.70
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	1,665.10	40.70
12 22 13 00-0052		**>144" To 168" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	1,271.53	46.71
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,348.79	46.71
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,406.73	46.71
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,483.98	46.71
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,561.23	46.71
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	1,657.80	46.71
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	1,735.05	46.71
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	1,812.31	46.71
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	1,947.50	46.71
12 22 13 00-0062		**>168" To 192" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,438.05	52.71
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,534.62	52.71
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,592.56	52.71
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	1,689.12	52.71
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	1,766.37	52.71
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	1,862.94	52.71
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	2,017.45	52.71
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	2,075.39	52.71
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	2,210.58	52.71
12 22 13 00-0072		**>192" To 216" Wide Lined Draperies** *(12 22 13 00-0001)*		
12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,623.89	58.72
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	1,701.14	58.72
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	1,778.39	58.72
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	1,894.27	58.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	2,010.15	58.72
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	2,126.03	58.72
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	2,222.60	58.72
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	2,319.17	58.72
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	2,492.99	58.72
12 22 13 00-0082		>216" To 240" Wide Lined Draperies *(12 22 13 00-0001)*		
12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	1,790.40	64.72
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	1,925.60	64.72
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	1,983.54	64.72
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	2,099.42	64.72
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	2,234.61	64.72
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	2,350.49	64.72
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	2,466.37	64.72
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	2,582.25	64.72
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	2,775.38	64.72
12 22 16		**Drapery Track and Accessories** *(12 22)*		
12 22 16 00-0001		Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*		
12 22 16 00-0002		Basic Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	156.08	51.71
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	183.86	51.71
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	219.08	57.45
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	305.83	57.45
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	316.79	63.20
12 22 16 00-0008		Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*		
12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	182.70	51.71
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	200.64	51.71
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	261.32	57.45
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	300.00	63.20
12 22 16 00-0013		Double Traverse Rod *(12 22 16 00-0001)*		
12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	228.42	51.71
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	282.82	51.71
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	356.53	57.45
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	385.08	63.20
12 22 16 00-0018		Curtain Rods *(12 22 16 00-0001)*		
12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	13.13	2.40
12 22 16 00-0020		Relocate Drapery And Rod *(12 22 16 00-0001)*		
12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	34.47	
12 23		**Interior Shutters** *(12 20)*		
12 23 13		**Wood Interior Shutters** *(12 23)*		
12 23 13 00-0001		Interior Plantation Shutters *(12 23 13)* Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 13 00-0002		12" Wide *(12 23 13 00-0001)*		
12 23 13 00-0003	PR	12" x 36" Plantation Shutter	357.23	40.28
12 23 13 00-0004	PR	12" x 40" Plantation Shutter	397.86	42.30
12 23 13 00-0005	PR	12" x 44" Plantation Shutter	434.69	44.31
12 23 13 00-0006	PR	12" x 48" Plantation Shutter	471.51	46.32
12 23 13 00-0007	PR	12" x 52" Plantation Shutter	508.35	48.34
12 23 13 00-0008	PR	12" x 56" Plantation Shutter	545.17	50.35
12 23 13 00-0009	PR	12" x 60" Plantation Shutter	547.86	52.36
12 23 13 00-0010	PR	12" x 64" Plantation Shutter	618.85	54.38
12 23 13 00-0011	PR	12" x 68" Plantation Shutter	655.67	56.40
12 23 13 00-0012	PR	12" x 72" Plantation Shutter	692.51	58.41
12 23 13 00-0013	PR	12" x 76" Plantation Shutter	729.33	60.42
12 23 13 00-0014	PR	12" x 80" Plantation Shutter	766.17	62.44
12 23 13 00-0015		14" Wide *(12 23 13 00-0001)*		
12 23 13 00-0016	PR	14" x 36" Plantation Shutter	372.41	40.28
12 23 13 00-0017	PR	14" x 40" Plantation Shutter	413.04	42.30
12 23 13 00-0018	PR	14" x 44" Plantation Shutter	449.85	44.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0019	PR	14" x 48" Plantation Shutter	486.70	46.32
12 23 13 00-0020	PR	14" x 52" Plantation Shutter	527.32	48.34
12 23 13 00-0021	PR	14" x 56" Plantation Shutter	564.14	50.35
12 23 13 00-0022	PR	14" x 60" Plantation Shutter	600.98	52.36
12 23 13 00-0023	PR	14" x 64" Plantation Shutter	641.61	54.38
12 23 13 00-0024	PR	14" x 68" Plantation Shutter	678.44	56.40
12 23 13 00-0025	PR	14" x 72" Plantation Shutter	715.28	58.41
12 23 13 00-0026	PR	14" x 76" Plantation Shutter	755.89	60.42
12 23 13 00-0027	PR	14" x 80" Plantation Shutter	792.73	62.44
12 23 13 00-0028		15" Wide *(12 23 13 00-0001)*		
12 23 13 00-0029	PR	15" x 36" Plantation Shutter	387.58	40.28
12 23 13 00-0030	PR	15" x 40" Plantation Shutter	428.21	42.30
12 23 13 00-0031	PR	15" x 44" Plantation Shutter	465.03	44.31
12 23 13 00-0032	PR	15" x 48" Plantation Shutter	501.87	46.32
12 23 13 00-0033	PR	15" x 52" Plantation Shutter	542.49	48.34
12 23 13 00-0034	PR	15" x 56" Plantation Shutter	583.11	50.35
12 23 13 00-0035	PR	15" x 60" Plantation Shutter	623.74	52.36
12 23 13 00-0036	PR	15" x 64" Plantation Shutter	664.37	54.38
12 23 13 00-0037	PR	15" x 68" Plantation Shutter	704.99	56.40
12 23 13 00-0038	PR	15" x 72" Plantation Shutter	741.84	58.41
12 23 13 00-0039	PR	15" x 76" Plantation Shutter	782.45	60.42
12 23 13 00-0040	PR	15" x 80" Plantation Shutter	823.08	62.44
12 23 13 00-0041		16" Wide *(12 23 13 00-0001)*		
12 23 13 00-0042	PR	16" x 36" Plantation Shutter	410.35	40.28
12 23 13 00-0043	PR	16" x 40" Plantation Shutter	454.77	42.30
12 23 13 00-0044	PR	16" x 44" Plantation Shutter	495.38	44.31
12 23 13 00-0045	PR	16" x 48" Plantation Shutter	539.81	46.32
12 23 13 00-0046	PR	16" x 52" Plantation Shutter	580.43	48.34
12 23 13 00-0047	PR	16" x 56" Plantation Shutter	621.05	50.35
12 23 13 00-0048	PR	16" x 60" Plantation Shutter	661.68	52.36
12 23 13 00-0049	PR	16" x 64" Plantation Shutter	709.90	54.38
12 23 13 00-0050	PR	16" x 68" Plantation Shutter	750.52	56.40
12 23 13 00-0051	PR	16" x 72" Plantation Shutter	791.16	58.41
12 23 13 00-0052	PR	16" x 76" Plantation Shutter	835.57	60.42
12 23 13 00-0053	PR	16" x 80" Plantation Shutter	876.19	62.44
12 23 13 00-0054		18" Wide *(12 23 13 00-0001)*		
12 23 13 00-0055	PR	18" x 36" Plantation Shutter	444.49	40.28
12 23 13 00-0056	PR	18" x 40" Plantation Shutter	488.92	42.30
12 23 13 00-0057	PR	18" x 44" Plantation Shutter	533.32	44.31
12 23 13 00-0058	PR	18" x 48" Plantation Shutter	581.55	46.32
12 23 13 00-0059	PR	18" x 52" Plantation Shutter	625.96	48.34
12 23 13 00-0060	PR	18" x 56" Plantation Shutter	674.17	50.35
12 23 13 00-0061	PR	18" x 60" Plantation Shutter	718.59	52.36
12 23 13 00-0062	PR	18" x 64" Plantation Shutter	763.02	54.38
12 23 13 00-0063	PR	18" x 68" Plantation Shutter	807.43	56.40
12 23 13 00-0064	PR	18" x 72" Plantation Shutter	855.66	58.41
12 23 13 00-0065	PR	18" x 76" Plantation Shutter	900.06	60.42
12 23 13 00-0066	PR	18" x 80" Plantation Shutter	948.28	62.44
12 23 13 00-0067		20" Wide *(12 23 13 00-0001)*		
12 23 13 00-0068	PR	20" x 36" Plantation Shutter	482.43	40.28
12 23 13 00-0069	PR	20" x 40" Plantation Shutter	534.44	42.30
12 23 13 00-0070	PR	20" x 44" Plantation Shutter	582.64	44.31
12 23 13 00-0071	PR	20" x 48" Plantation Shutter	630.87	46.32
12 23 13 00-0072	PR	20" x 52" Plantation Shutter	682.87	48.34
12 23 13 00-0073	PR	20" x 56" Plantation Shutter	731.08	50.35
12 23 13 00-0074	PR	20" x 60" Plantation Shutter	783.09	52.36
12 23 13 00-0075	PR	20" x 64" Plantation Shutter	831.31	54.38
12 23 13 00-0076	PR	20" x 68" Plantation Shutter	883.31	56.40
12 23 13 00-0077	PR	20" x 72" Plantation Shutter	931.54	58.41
12 23 13 00-0078	PR	20" x 76" Plantation Shutter	983.53	60.42
12 23 13 00-0079	PR	20" x 80" Plantation Shutter	1,031.75	62.44
12 23 13 00-0080		22" Wide *(12 23 13 00-0001)*		
12 23 13 00-0081	PR	22" x 36" Plantation Shutter	512.78	40.28
12 23 13 00-0082	PR	22" x 40" Plantation Shutter	568.59	42.30
12 23 13 00-0083	PR	22" x 44" Plantation Shutter	620.58	44.31
12 23 13 00-0084	PR	22" x 48" Plantation Shutter	6,363.60	46.32
12 23 13 00-0085	PR	22" x 52" Plantation Shutter	728.40	48.34
12 23 13 00-0086	PR	22" x 56" Plantation Shutter	780.40	50.35
12 23 13 00-0087	PR	22" x 60" Plantation Shutter	832.41	52.36
12 23 13 00-0088	PR	22" x 64" Plantation Shutter	888.22	54.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 13 00-0089	PR	22" x 68" Plantation Shutter	940.22	56.40
12 23 13 00-0090	PR	22" x 72" Plantation Shutter	996.04	58.41
12 23 13 00-0091	PR	22" x 76" Plantation Shutter	1,048.03	60.42
12 23 13 00-0092	PR	22" x 80" Plantation Shutter	1,103.83	62.44
12 23 13 00-0093		24" Wide *(12 23 13 00-0001)*		
12 23 13 00-0094	PR	24" x 36" Plantation Shutter	543.14	40.28
12 23 13 00-0095	PR	24" x 40" Plantation Shutter	602.74	42.30
12 23 13 00-0096	PR	24" x 44" Plantation Shutter	658.52	44.31
12 23 13 00-0097	PR	24" x 48" Plantation Shutter	718.13	46.32
12 23 13 00-0098	PR	24" x 52" Plantation Shutter	773.93	48.34
12 23 13 00-0099	PR	24" x 56" Plantation Shutter	829.72	50.35
12 23 13 00-0100	PR	24" x 60" Plantation Shutter	885.53	52.36
12 23 13 00-0101	PR	24" x 64" Plantation Shutter	945.13	54.38
12 23 13 00-0102	PR	24" x 68" Plantation Shutter	1,000.92	56.40
12 23 13 00-0103	PR	24" x 72" Plantation Shutter	1,060.53	58.41
12 23 13 00-0104	PR	24" x 76" Plantation Shutter	1,116.32	60.42
12 23 13 00-0105	PR	24" x 80" Plantation Shutter	1,175.92	62.44

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001		Roller Window Shades *(12 24 13)*		
12 24 13 00-0002		Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	15.89	0.80
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	15.89	0.80
12 24 13 00-0005		Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	20.28	0.80
12 24 13 00-0007		Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)* Note: Includes roller, brackets, and stainless steel chain operator.		
12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	15.89	0.80

12 25 Window Treatment Operating Hardware *(12 20)*

12 25 09 Window Treatment Control System *(12 25)*

12 25 09 00-0001		Motorized Lightproof Shades *(12 25 09)*		
12 25 09 00-0002	SF	Motorized Lightproof Shades, Up To 144" Width	41.98	2.87

12 25 13 Motorized Drapery Rods *(12 25)*

12 25 13 00-0001		Motorized Drapery Track *(12 25 13)*		
12 25 13 00-0002	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,541.37	134.28
12 25 13 00-0003	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,608.52	147.70
12 25 13 00-0004	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,675.66	161.13
12 25 13 00-0005	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,742.81	174.56
12 25 13 00-0006	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,809.96	187.98
12 25 13 00-0007	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,877.11	201.41
12 25 13 00-0008	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,944.25	214.84
12 25 13 00-0009	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,011.40	228.26
12 25 13 00-0010	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,078.54	241.69
12 25 13 00-0011	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,145.68	255.12
12 25 13 00-0012	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,212.83	268.54
12 25 13 00-0013	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,279.98	281.97
12 25 13 00-0014	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,347.12	295.40
12 25 13 00-0015	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,414.26	308.82
12 25 13 00-0016	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,481.41	322.25
12 25 13 00-0017	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,548.56	335.69
12 25 13 00-0018	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,615.70	349.11
12 25 13 00-0019	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,682.85	362.54
12 25 13 00-0020	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,749.99	375.97
12 25 13 00-0021	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,817.14	389.39
12 25 13 00-0022	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,884.29	402.82

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

12 31 16 00-0001 34-1/2" High x 24" Deep, Stainless Steel Cabinets *(12 31 16)*

12 31 16 00-0002 18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets *(12 31 16 00-0001)*

12 31 16 00-0003 18" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	2,030.72	286.09
		For 16 Gauge Stainless Steel, Add	*313.55*	
		For >5 To 9, Deduct	*-76.56*	
		For >9, Deduct	*-153.13*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	3,269.42	286.09
		For 16 Gauge Stainless Steel, Add	*579.87*	
		For >5 To 9, Deduct	*-141.60*	
		For >9, Deduct	*-283.19*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	3,035.69	286.09
		For 16 Gauge Stainless Steel, Add	*529.62*	
		For >5 To 9, Deduct	*-129.33*	
		For >9, Deduct	*-258.65*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	2,801.96	286.09
		For 16 Gauge Stainless Steel, Add	*479.37*	
		For >5 To 9, Deduct	*-117.05*	
		For >9, Deduct	*-234.11*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	2,722.64	286.09
		For 16 Gauge Stainless Steel, Add	*462.31*	
		For >5 To 9, Deduct	*-112.89*	
		For >9, Deduct	*-225.78*	

12 31 16 00-0009 24" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,918.16	309.20
		For 16 Gauge Stainless Steel, Add	*494.35*	
		For >5 To 9, Deduct	*-120.71*	
		For >9, Deduct	*-241.43*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	2,632.96	309.20
		For 16 Gauge Stainless Steel, Add	*433.03*	
		For >5 To 9, Deduct	*-105.74*	
		For >9, Deduct	*-211.48*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	2,695.40	309.20
		For 16 Gauge Stainless Steel, Add	*446.46*	
		For >5 To 9, Deduct	*-109.02*	
		For >9, Deduct	*-218.04*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,985.67	309.20
		For 16 Gauge Stainless Steel, Add	*508.86*	
		For >5 To 9, Deduct	*-124.26*	
		For >9, Deduct	*-248.52*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,865.75	309.20
		For 16 Gauge Stainless Steel, Add	*698.08*	
		For >5 To 9, Deduct	*-170.46*	
		For >9, Deduct	*-340.92*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	4,242.93	309.20
		For 16 Gauge Stainless Steel, Add	*779.18*	
		For >5 To 9, Deduct	*-190.26*	
		For >9, Deduct	*-380.53*	

12 31 16 00-0016 30" Stainless Steel Base Cabinet *(12 31 16 00-0002)*

12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	2,577.18	325.83
		For 16 Gauge Stainless Steel, Add	*414.04*	
		For >5 To 9, Deduct	*-101.10*	
		For >9, Deduct	*-202.20*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	3,721.38	325.83
		For 16 Gauge Stainless Steel, Add	*660.04*	
		For >5 To 9, Deduct	*-161.17*	
		For >9, Deduct	*-322.35*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	4,773.59	325.83
		For 16 Gauge Stainless Steel, Add	*886.27*	
		For >5 To 9, Deduct	*-216.41*	
		For >9, Deduct	*-432.83*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	4,396.42	325.83
		For 16 Gauge Stainless Steel, Add	*805.18*	
		For >5 To 9, Deduct	*-196.61*	
		For >9, Deduct	*-393.23*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	4,162.68	325.83
		For 16 Gauge Stainless Steel, Add	*754.92*	
		For >5 To 9, Deduct	*-184.34*	
		For >9, Deduct	*-368.68*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	3,214.25	325.83
		For 16 Gauge Stainless Steel, Add	*551.01*	
		For >5 To 9, Deduct	*-134.55*	
		For >9, Deduct	*-269.10*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	3,185.56	325.83
		For 16 Gauge Stainless Steel, Add	*544.84*	
		For >5 To 9, Deduct	*-133.04*	
		For >9, Deduct	*-266.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,843.69	338.77
		For 16 Gauge Stainless Steel, Add	*465.58*	
		For >5 To 9, Deduct	*-113.69*	
		For >9, Deduct	*-227.38*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	3,452.92	338.77
		For 16 Gauge Stainless Steel, Add	*596.56*	
		For >5 To 9, Deduct	*-145.67*	
		For >9, Deduct	*-291.35*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	3,228.47	338.77
		For 16 Gauge Stainless Steel, Add	*548.31*	
		For >5 To 9, Deduct	*-133.89*	
		For >9, Deduct	*-267.78*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,037.57	338.77
		For 16 Gauge Stainless Steel, Add	*937.26*	
		For >5 To 9, Deduct	*-228.87*	
		For >9, Deduct	*-457.73*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	4,661.24	338.77
		For 16 Gauge Stainless Steel, Add	*856.35*	
		For >5 To 9, Deduct	*-209.11*	
		For >9, Deduct	*-418.22*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,985.87	360.02
		For 16 Gauge Stainless Steel, Add	*487.14*	
		For >5 To 9, Deduct	*-118.95*	
		For >9, Deduct	*-237.90*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,313.91	360.02
		For 16 Gauge Stainless Steel, Add	*987.66*	
		For >5 To 9, Deduct	*-241.17*	
		For >9, Deduct	*-482.35*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	4,936.73	360.02
		For 16 Gauge Stainless Steel, Add	*906.57*	
		For >5 To 9, Deduct	*-221.37*	
		For >9, Deduct	*-442.74*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,546.05	360.02
		For 16 Gauge Stainless Steel, Add	*822.57*	
		For >5 To 9, Deduct	*-200.86*	
		For >9, Deduct	*-401.72*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	3,505.65	360.02
		For 16 Gauge Stainless Steel, Add	*598.89*	
		For >5 To 9, Deduct	*-146.24*	
		For >9, Deduct	*-292.48*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	3,726.72	360.02
		For 16 Gauge Stainless Steel, Add	*646.42*	
		For >5 To 9, Deduct	*-157.85*	
		For >9, Deduct	*-315.69*	
12 31 16 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	5,571.52	368.34
		For 16 Gauge Stainless Steel, Add	*1,039.60*	
		For >5 To 9, Deduct	*-253.86*	
		For >9, Deduct	*-507.71*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	5,195.18	368.34
		For 16 Gauge Stainless Steel, Add	*958.69*	
		For >5 To 9, Deduct	*-234.10*	
		For >9, Deduct	*-468.20*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	3,243.47	368.34
		For 16 Gauge Stainless Steel, Add	*539.07*	
		For >5 To 9, Deduct	*-131.63*	
		For >9, Deduct	*-263.27*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	4,804.50	368.34
		For 16 Gauge Stainless Steel, Add	*874.69*	
		For >5 To 9, Deduct	*-213.59*	
		For >9, Deduct	*-427.17*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	3,986.86	368.34
		For 16 Gauge Stainless Steel, Add	*698.90*	
		For >5 To 9, Deduct	*-170.66*	
		For >9, Deduct	*-341.32*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	3,926.11	368.34
		For 16 Gauge Stainless Steel, Add	*685.83*	
		For >5 To 9, Deduct	*-167.47*	
		For >9, Deduct	*-334.94*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	3,887.19	379.56
		For 16 Gauge Stainless Steel, Add	*672.61*	
		For >5 To 9, Deduct	*-164.24*	
		For >9, Deduct	*-328.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,554.50	108.92
		For 16 Gauge Stainless Steel, Add	*287.38*	
		For >5 To 9, Deduct	*-70.17*	
		For >9, Deduct	*-140.35*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,549.69	115.51
		For 16 Gauge Stainless Steel, Add	*283.50*	
		For >5 To 9, Deduct	*-69.23*	
		For >9, Deduct	*-138.45*	
12 31 16 00-0050		**18" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,630.11	117.10
		For 16 Gauge Stainless Steel, Add	*300.09*	
		For >5 To 9, Deduct	*-73.28*	
		For >9, Deduct	*-146.55*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,538.14	117.10
		For 16 Gauge Stainless Steel, Add	*280.31*	
		For >5 To 9, Deduct	*-68.45*	
		For >9, Deduct	*-136.90*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,802.61	127.40
		For 16 Gauge Stainless Steel, Add	*332.76*	
		For >5 To 9, Deduct	*-81.26*	
		For >9, Deduct	*-162.51*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,746.08	127.40
		For 16 Gauge Stainless Steel, Add	*320.61*	
		For >5 To 9, Deduct	*-78.29*	
		For >9, Deduct	*-156.58*	
12 31 16 00-0055		**24" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	1,358.82	129.65
		For 16 Gauge Stainless Steel, Add	*236.42*	
		For >5 To 9, Deduct	*-57.73*	
		For >9, Deduct	*-115.46*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,839.78	129.65
		For 16 Gauge Stainless Steel, Add	*339.82*	
		For >5 To 9, Deduct	*-82.98*	
		For >9, Deduct	*-165.96*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,748.65	129.65
		For 16 Gauge Stainless Steel, Add	*320.23*	
		For >5 To 9, Deduct	*-78.20*	
		For >9, Deduct	*-156.39*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,731.92	121.06
		For 16 Gauge Stainless Steel, Add	*320.25*	
		For >5 To 9, Deduct	*-78.20*	
		For >9, Deduct	*-156.40*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,634.88	121.06
		For 16 Gauge Stainless Steel, Add	*299.39*	
		For >5 To 9, Deduct	*-73.11*	
		For >9, Deduct	*-146.21*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	2,089.69	121.06
		For 16 Gauge Stainless Steel, Add	*397.17*	
		For >5 To 9, Deduct	*-96.98*	
		For >9, Deduct	*-193.97*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,245.04	121.06
		For 16 Gauge Stainless Steel, Add	*215.57*	
		For >5 To 9, Deduct	*-52.64*	
		For >9, Deduct	*-105.28*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,172.52	115.51
		For 16 Gauge Stainless Steel, Add	*202.41*	
		For >5 To 9, Deduct	*-49.43*	
		For >9, Deduct	*-98.85*	
12 31 16 00-0064		**30" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,382.69	137.70
		For 16 Gauge Stainless Steel, Add	*453.06*	
		For >5 To 9, Deduct	*-110.63*	
		For >9, Deduct	*-221.26*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,161.61	137.70
		For 16 Gauge Stainless Steel, Add	*405.53*	
		For >5 To 9, Deduct	*-99.02*	
		For >9, Deduct	*-198.05*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,458.72	137.70
		For 16 Gauge Stainless Steel, Add	*254.41*	
		For >5 To 9, Deduct	*-62.12*	
		For >9, Deduct	*-124.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,265.93	126.74
		For 16 Gauge Stainless Steel, Add	*432.66*	
		For >5 To 9, Deduct	*-105.65*	
		For >9, Deduct	*-211.30*	
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	2,044.86	126.74
		For 16 Gauge Stainless Steel, Add	*385.13*	
		For >5 To 9, Deduct	*-94.04*	
		For >9, Deduct	*-188.09*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,341.97	126.74
		For 16 Gauge Stainless Steel, Add	*234.01*	
		For >5 To 9, Deduct	*-57.14*	
		For >9, Deduct	*-114.28*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	1,269.00	120.80
		For 16 Gauge Stainless Steel, Add	*220.91*	
		For >5 To 9, Deduct	*-53.94*	
		For >9, Deduct	*-107.89*	
12 31 16 00-0072		**36" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,477.64	141.66
		For 16 Gauge Stainless Steel, Add	*471.78*	
		For >5 To 9, Deduct	*-115.20*	
		For >9, Deduct	*-230.41*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,251.51	141.66
		For 16 Gauge Stainless Steel, Add	*423.17*	
		For >5 To 9, Deduct	*-103.33*	
		For >9, Deduct	*-206.66*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,553.68	141.66
		For 16 Gauge Stainless Steel, Add	*273.13*	
		For >5 To 9, Deduct	*-66.69*	
		For >9, Deduct	*-133.39*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,359.56	129.65
		For 16 Gauge Stainless Steel, Add	*451.58*	
		For >5 To 9, Deduct	*-110.27*	
		For >9, Deduct	*-220.54*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,139.33	129.65
		For 16 Gauge Stainless Steel, Add	*404.23*	
		For >5 To 9, Deduct	*-98.71*	
		For >9, Deduct	*-197.41*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,435.60	129.65
		For 16 Gauge Stainless Steel, Add	*252.92*	
		For >5 To 9, Deduct	*-61.76*	
		For >9, Deduct	*-123.52*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,364.17	123.44
		For 16 Gauge Stainless Steel, Add	*240.21*	
		For >5 To 9, Deduct	*-58.66*	
		For >9, Deduct	*-117.31*	
12 31 16 00-0080		**42" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,600.22	178.23
		For 16 Gauge Stainless Steel, Add	*482.47*	
		For >5 To 9, Deduct	*-117.81*	
		For >9, Deduct	*-235.62*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,603.56	168.19
		For 16 Gauge Stainless Steel, Add	*487.48*	
		For >5 To 9, Deduct	*-119.04*	
		For >9, Deduct	*-238.07*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,379.11	168.19
		For 16 Gauge Stainless Steel, Add	*439.22*	
		For >5 To 9, Deduct	*-107.25*	
		For >9, Deduct	*-214.50*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,677.91	168.19
		For 16 Gauge Stainless Steel, Add	*288.47*	
		For >5 To 9, Deduct	*-70.44*	
		For >9, Deduct	*-140.88*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,452.70	141.26
		For 16 Gauge Stainless Steel, Add	*466.59*	
		For >5 To 9, Deduct	*-113.94*	
		For >9, Deduct	*-227.87*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,229.94	141.26
		For 16 Gauge Stainless Steel, Add	*418.70*	
		For >5 To 9, Deduct	*-102.24*	
		For >9, Deduct	*-204.48*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,528.74	141.26
		For 16 Gauge Stainless Steel, Add	*267.94*	
		For >5 To 9, Deduct	*-65.43*	
		For >9, Deduct	*-130.86*	
12 31 16 00-0088		**48" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	2,291.43	178.23
		For 16 Gauge Stainless Steel, Add	*414.54*	
		For >5 To 9, Deduct	*-101.22*	
		For >9, Deduct	*-202.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	2,696.67	171.90
		For 16 Gauge Stainless Steel, Add	*505.86*	
		For >5 To 9, Deduct	*-123.53*	
		For >9, Deduct	*-247.05*	
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,475.59	171.90
		For 16 Gauge Stainless Steel, Add	*458.33*	
		For >5 To 9, Deduct	*-111.92*	
		For >9, Deduct	*-223.84*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,772.71	171.90
		For 16 Gauge Stainless Steel, Add	*307.21*	
		For >5 To 9, Deduct	*-75.02*	
		For >9, Deduct	*-150.03*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	2,544.68	142.58
		For 16 Gauge Stainless Steel, Add	*485.76*	
		For >5 To 9, Deduct	*-118.61*	
		For >9, Deduct	*-237.23*	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	2,324.45	142.58
		For 16 Gauge Stainless Steel, Add	*438.41*	
		For >5 To 9, Deduct	*-107.05*	
		For >9, Deduct	*-214.11*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,620.72	142.58
		For 16 Gauge Stainless Steel, Add	*287.10*	
		For >5 To 9, Deduct	*-70.11*	
		For >9, Deduct	*-140.21*	

12 31 16 00-0096 Accessories *(12 31 16 00-0001)*

12 31 16 00-0097 Stainless Steel Countertops *(12 31 16 00-0096)*

Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.

12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	116.04	7.26
		For 14 Gauge Stainless Steel, Add	*22.43*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	106.54	7.26
		For 14 Gauge Stainless Steel, Add	*20.33*	
12 31 16 00-0100	EA	Cutout For Sink And/or Faucet In Stainless Steel Countertop	200.11	

12 31 16 00-0101 Stainless Steel Wall Panels *(12 31 16 00-0096)*

12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	40.62	10.82
		For 18 Gauge Stainless Steel, Add	*5.16*	
		For 16 Gauge Stainless Steel, Add	*9.93*	

12 31 16 00-0103 Pedestal Legs *(12 31 16 00-0096)*

12 31 16 00-0104	EA	Type 304 Stainless Steel Pedestal Leg	337.92	16.50

12 31 16 00-0105 Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*

12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	375.78	33.36

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	19.68	13.34
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	26.55	13.34
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	33.07	4.00
12 36 23 13-0005	EA	Cutout For Sink And/or Faucet In Plastic Laminate Countertop	111.17	

12 36 61 Simulated Stone Countertops *(12 36)*

12 36 61 16 Solid Surfacing Countertops *(12 36 61)*

12 36 61 16-0001 Solid Surface Countertops *(12 36 61 16)*

12 36 61 16-0002 Solid Surface Countertops *(12 36 61 16-0001)*

Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.

12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.	51.98	8.90
		For Up To 50, Add	*17.06*	
		For >50 To 100, Add	*9.81*	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	75.12	13.34
		For Up To 50, Add	*24.39*	
		For >50 To 100, Add	*14.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 61 16-0005	SF	3/4" Thick, Solid Color, Solid Surface Countertop Without Backsplash Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).	95.04	13.34
		For Up To 50, Add	*31.26*	
		For >50 To 100, Add	*17.91*	
12 36 61 16-0006	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	90.40	13.34
		For Up To 50, Add	*28.97*	
		For >50 To 100, Add	*17.34*	
12 36 61 16-0007	LF	1/2" Thick, Solid Color, Solid Surface 4" End Splash For Solid Surface Countertops	29.85	5.67
12 36 61 16-0008	EA	Cutout For Undercounter Sink In Solid Surface Countertop Note: Not including integral seamed sinks	200.11	
12 36 61 16-0009		Integral Seamless Solid Surface Lavatory *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0010	EA	16-1/2" x 13-1/8" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810)	303.38	
12 36 61 16-0011	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815)	371.61	
12 36 61 16-0012	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816)	283.54	
12 36 61 16-0013	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820)	272.37	
12 36 61 16-0014	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830)	371.61	
12 36 61 16-0015	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831)	371.61	
12 36 61 16-0016	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835)	371.61	
12 36 61 16-0017	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	371.61	
12 36 61 16-0018		Integral Seamless Solid Surface Kitchen Sink *(12 36 61 16-0001)* Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.		
12 36 61 16-0019	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink	400.73	
12 36 61 16-0020	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	617.82	
12 36 61 16-0021	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	791.49	
12 36 61 16-0022	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	848.55	
12 36 61 16-0023	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	848.55	
12 36 61 19		**Quartz Agglomerate Countertops** *(12 36 61)*		
12 36 61 19-0001		Quartz Agglomerate Countertops *(12 36 61 19)* Note: Includes finished ends and all edge types such as bullnose, ogee, round-over (rounded), bevel, etc.		
12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	83.16	18.68
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	100.94	18.68
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	92.89	21.35
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	110.65	21.35
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	18.37	5.67
12 36 61 19-0007	EA	Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop	200.11	

12 40 Furnishings and Accessories *(12)*

12 41 Office Accessories *(12 40)*

12 41 11 Office Accessories *(12 41)*

12 41 11 00-0001		Wall Mounted Office Accessories *(12 41 11)*		
12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	26.74	4.36
12 41 11 00-0003	EA	Wall Mounted Flag	19.87	4.36
12 41 11 00-0004		Desk Edge Mounted Clamps *(12 41 11)*		
12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and tabletops, clamp adjusts to support 1/8" to 3/8" thick panels.	41.68	
		For >10 To 50, Deduct	*-10.19*	
		For >50, Deduct	*-16.30*	

12 48 Rugs and Mats *(12 40)*

12 48 13 Entrance Floor Mats and Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

12 48 13 13-0001		Floor Mats *(12 48 13 13)*		
12 48 13 13-0002	SF	3/8" Thick Solid Recessed Floor Mat	33.78	2.87
		For Colors, Add	*5.61*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessed Floor Mat	42.41	2.87
		For Colors, Add	*7.33*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessed Floor Mat	35.94	2.87
		For Colors, Add	*6.04*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessed Floor Mat	44.57	2.87
		For Colors, Add	*7.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 48 13 13-0006		**Link Mats** *(12 48 13 13)* Note: Includes nosing.		
12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	48.93	2.87
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	35.41	2.87
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	21.82	2.87
12 48 13 13-0010	SF	Vinyl Link Mats, Color	38.61	2.87
12 48 13 13-0011	LF	Rubber Nosing	5.01	1.26
12 48 13 13-0012		**Duckboard** *(12 48 13 13)*		
12 48 13 13-0013	SF	Aluminum Slats	70.99	3.47
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	16.50	3.47
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	17.91	3.47
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	24.90	3.47
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	22.81	3.47
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	35.35	3.47
12 48 13 16		**Entrance Floor Mat Frames** *(12 48 13)*		
12 48 13 16-0001		**Recessed Frames** *(12 48 13 16)*		
12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	31.02	5.34
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	19.09	5.34

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001		**Wall Mounted Single Bunks** *(12 55 13)* Note: 14 Gauge center pan, 7 gauge bracket, painted.		
12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	491.33	87.97
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	557.71	87.97
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	604.18	87.97
12 55 13 00-0005		**Floor Supported Single Bunks** *(12 55 13)* Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.		
12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	491.33	87.97
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	557.71	87.97
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	604.18	87.97
12 55 13 00-0009	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	1,020.99	123.03
12 55 13 00-0010	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	866.01	123.03
12 55 13 00-0011		**Floor Mounted Single Bunks** *(12 55 13)* Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	491.33	87.97
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	557.71	87.97
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	604.18	87.97
12 55 13 00-0015		**Single Stackable Bunks** *(12 55 13)* Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.		
12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	504.60	87.97
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	524.52	87.97
12 55 13 00-0018		**Double Bunks** *(12 55 13)* Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.		
12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	881.88	117.29
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	895.15	117.29
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	951.58	117.29
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20	1,608.98	184.55
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20	1,454.00	184.55
12 55 13 00-0024		**Non-Removable Storage Drawers For Bunks/Beds** *(12 55 13)* Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.		
12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non-Removable Storage Drawer	217.42	43.98
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non-Removable Storage Drawer	356.04	46.91
12 55 13 00-0027		**Expanded Metal Convertible Beds** *(12 55 13)* Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.		
12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	506.09	87.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	533.62	87.97
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	561.13	87.97
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	70.58	

12 55 16 Detention Desks *(12 55)*

12 55 16 00-0001 Heavy-Duty Desk With Swing Arm Seat *(12 55 16)*

Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.

12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	1,056.45	93.83
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	1,337.25	93.83

12 55 16 00-0004 Institutional Desk And Seat *(12 55 16)*

12 55 16 00-0005	EA	Institutional Desk And Seat, Up To 20	1,330.97	123.03
12 55 16 00-0006	EA	Institutional Desk And Seat, Over 20	1,175.98	123.03
12 55 16 00-0007	EA	Institutional Desk, Up To 20	1,175.98	123.03
12 55 16 00-0008	EA	Institutional Desk, Over 20	1,020.99	123.03

12 55 19 Detention Stools *(12 55)*

12 55 19 00-0001 Heavy-Duty Steel Bench *(12 55 19)*

Note: 10 Gauge formed steel seat with rounded corners and edges, painted.

12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	469.43	70.37
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	567.46	76.24
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	628.86	82.10

12 55 19 00-0005 Stationary Stools *(12 55 19)*

Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.

12 55 19 00-0006	EA	12" Diameter x 18" High, Stainless Steel Stationary Stool	358.18	70.37
12 55 19 00-0007	EA	Up To 20, 8" x 8" x 20" High, Floor Mounted Stool	355.75	49.21
12 55 19 00-0008	EA	>20, 8" x 8" x 20" High, Floor Mounted Stool	380.71	49.21
12 55 19 00-0009	EA	Up To 20, Wall Mounted Swivel Stool	494.99	61.51
12 55 19 00-0010	EA	>20, Wall Mounted Swivel Stool	402.00	61.51

12 55 19 00-0011 Cell Bench *(12 55 19)*

Note: 1-3/4" Thick red oak bench top, polyurethane finish.

12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	426.11	70.49
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	512.75	76.24
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	567.59	82.10

12 55 23 Detention Tables *(12 55)*

12 55 23 00-0001 Wall Mounted Table And Seat Set *(12 55 23)*

Note: 7 Gauge steel, painted.

12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	274.99	49.85

12 55 23 00-0003 Heavy-Duty Picnic Style Table *(12 55 23)*

Note: 10 Gauge steel, painted.

12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,254.72	87.97
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,598.34	93.83
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,781.92	102.63

12 55 23 00-0007 Heavy-Duty Picnic Style Table *(12 55 23)*

Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.

12 55 23 00-0008	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	2,167.48	87.97
12 55 23 00-0009	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,091.94	93.83
12 55 23 00-0010	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	3,275.52	102.63

12 55 23 00-0011 Heavy-Duty Pedestal Style Table *(12 55 23)*

Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.

12 55 23 00-0012	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	1,109.16	73.30
12 55 23 00-0013	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	1,801.29	79.17
12 55 23 00-0014	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	2,665.34	87.97
12 55 23 00-0015	EA	12" Diameter Stainless Steel Replacement Seat	86.62	11.73

12 55 23 00-0016 Heavy-Duty Pedestal Style Table *(12 55 23)*

Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.

12 55 23 00-0017	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	1,391.29	73.30
12 55 23 00-0018	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	2,398.73	79.17
12 55 23 00-0019	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	3,478.53	87.97
12 55 23 00-0020	EA	12" Diameter Gray-Primed Steel Replacement Seats	61.83	11.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 23 00-0021	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,136.64	141.49
12 55 23 00-0022	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,826.67	141.49
12 55 23 00-0023	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,781.19	153.79
12 55 23 00-0024	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	2,471.22	153.79
12 55 23 00-0025	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	4,045.67	166.10
12 55 23 00-0026	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	3,425.73	166.10

12 55 26 Detention Safety Clothes Hooks *(12 55)*

12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type	81.15	26.40
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type	71.98	23.46
12 55 26 00-0003	EA	8" x 18" Storage Shelf	349.51	46.91
		Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	408.39	49.21
12 55 26 00-0005	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	330.90	49.21
12 55 26 00-0006	EA	Safety Clothes Hook, Up To 20	163.86	27.68
12 55 26 00-0007	EA	Safety Clothes Hook, Over 20	194.70	27.68

12 55 86 Detention Control Room Furniture *(12 55)*

12 55 86 00-0001	EA	22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm, TV Wall Mount	311.31	99.02
12 55 86 00-0002	EA	Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	804.49	92.28
12 55 86 00-0003	EA	>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf	727.00	92.28
12 55 86 00-0004	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates	1,933.64	36.91
		Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0005	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	836.43	30.76
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	408.87	18.46
12 55 86 00-0007	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	495.72	15.38

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Open Office Systems Furniture Components *(12 59 13)*

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	309.42	25.41
		For Tackable Acoustical Barrier Panel, Add	*56.57*	
		For Acoustical Panel, Add	*61.49*	
		For Enameled Surface, Deduct	*-24.60*	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	343.89	28.27
		For Tackable Acoustical Barrier Panel, Add	*62.87*	
		For Acoustical Panel, Add	*68.34*	
		For Enameled Surface, Deduct	*-27.34*	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	367.71	30.11
		For Tackable Acoustical Barrier Panel, Add	*67.22*	
		For Acoustical Panel, Add	*73.07*	
		For Enameled Surface, Deduct	*-29.23*	
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	412.02	33.82
		For Tackable Acoustical Barrier Panel, Add	*75.33*	
		For Acoustical Panel, Add	*81.88*	
		For Enameled Surface, Deduct	*-32.75*	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	314.34	25.78
		For Tackable Acoustical Barrier Panel, Add	*57.47*	
		For Acoustical Panel, Add	*62.47*	
		For Enameled Surface, Deduct	*-24.99*	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	355.36	29.10
		For Tackable Acoustical Barrier Panel, Add	*64.97*	
		For Acoustical Panel, Add	*70.62*	
		For Enameled Surface, Deduct	*-28.25*	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	398.05	32.70
		For Tackable Acoustical Barrier Panel, Add	*72.77*	
		For Acoustical Panel, Add	*79.10*	
		For Enameled Surface, Deduct	*-31.64*	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	467.84	38.34
		For Tackable Acoustical Barrier Panel, Add	*85.53*	
		For Acoustical Panel, Add	*92.97*	
		For Enameled Surface, Deduct	*-37.19*	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	302.85	24.85
		For Tackable Acoustical Barrier Panel, Add	*55.37*	
		For Acoustical Panel, Add	*60.18*	
		For Enameled Surface, Deduct	*-24.07*	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	372.63	30.58
		For Tackable Acoustical Barrier Panel, Add	*68.13*	
		For Acoustical Panel, Add	*74.05*	
		For Enameled Surface, Deduct	*-29.62*	
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	466.21	38.25
		For Tackable Acoustical Barrier Panel, Add	*85.23*	
		For Acoustical Panel, Add	*92.64*	
		For Enameled Surface, Deduct	*-37.06*	
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	558.09	45.73
		For Tackable Acoustical Barrier Panel, Add	*102.04*	
		For Acoustical Panel, Add	*110.91*	
		For Enameled Surface, Deduct	*-44.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	16.89	1.38
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	16.89	1.38
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	18.02	1.47
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	77.73	6.37
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	90.12	7.40
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	103.64	8.50
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	120.54	9.88
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	139.69	11.46
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	162.22	13.31
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	152.09	12.47
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	178.00	14.60
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	214.04	17.55
12 59 13 00-0026	EA	34" Panel End Cap Hardware	25.92	2.13
12 59 13 00-0027	EA	42" Panel End Cap Hardware	29.29	2.40
12 59 13 00-0028	EA	62" Panel End Cap Hardware	31.54	2.59
12 59 13 00-0029	EA	28" Variable Height Panel End Filler Note: Field cut to appropriate length.	28.58	2.40
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	14.71	1.20
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	15.51	1.29
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	17.96	1.47
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	14.71	1.20
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	30.22	2.50
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	34.30	2.77
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	35.11	2.86
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	39.20	3.23
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly Note: Includes base plate, two side covers, and 2 side cover fillers.	44.09	3.60
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	237.20	19.40
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	292.18	23.93
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	275.77	22.64
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	344.74	28.27
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	347.99	28.55
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	438.30	36.03
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	422.68	34.65
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	530.99	43.52
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	943.29	77.41
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	1,030.81	84.63
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	113.26	9.33
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	128.85	10.54
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	144.46	11.82
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	179.74	14.78
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	215.84	17.74
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	377.56	30.95
12 59 13 00-0055	EA	Transaction Surface Support	29.91	2.45
12 59 13 00-0056	EA	Plastic Pencil Drawer	32.74	2.40
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	110.27	9.05
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	120.05	9.79
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	128.23	10.54
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	190.29	15.61
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	222.16	18.29
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure Note: Used with hanging shelf.	254.83	20.88
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	656.24	53.53
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	693.12	56.54
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	731.34	59.66
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	799.87	65.25
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	297.32	24.39
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	46.54	3.88
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	375.62	30.85
12 59 13 00-0070	EA	File Drawer Organizer	120.89	9.88
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	26.14	2.13
12 59 13 00-0072	EA	Utility Task Light	130.68	10.72

12 59 13 00-0073 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	31.75	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	35.28	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	37.73	
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	42.27	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	32.25	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	36.46	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	40.84	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	48.00	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	31.08	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	38.23	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	47.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	57.27	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.74	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.74	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	7.98	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	9.25	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	10.64	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	12.37	
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	14.33	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	16.65	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	15.60	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	18.26	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	21.96	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	2.66	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	3.01	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	3.24	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	2.93	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.51	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.60	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.85	
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.51	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	3.10	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.52	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.60	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	4.02	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	4.53	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	24.33	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	29.98	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	28.30	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	35.37	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	35.71	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	44.97	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	43.37	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	54.49	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	84.15	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	105.74	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	11.62	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	13.22	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	14.82	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	18.44	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	22.15	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	38.74	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	3.06	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	3.02	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	11.32	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	12.32	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	13.15	
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	19.53	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	22.80	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	26.15	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	66.92	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	70.67	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	74.57	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	81.57	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	30.50	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	38.54	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	13.41	

12 59 13 00-0142 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	33.86	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	37.62	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	40.23	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	45.07	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	34.39	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	38.87	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	43.55	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	51.17	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	33.13	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	40.76	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	50.99	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	61.05	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.85	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	1.98	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	8.50	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	9.86	
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	11.34	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	13.18	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	15.28	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	17.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	16.64	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	19.48	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	23.41	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	2.83	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	3.20	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	3.45	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	3.13	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.61	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.70	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.97	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.61	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	3.31	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	3.75	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	3.84	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	4.28	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	4.83	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	25.95	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	31.96	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	30.16	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	37.71	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	38.07	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	47.94	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	46.24	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	58.09	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table	103.20	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table	112.77	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	12.39	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	14.10	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	15.80	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	19.66	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	23.61	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface	41.30	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support	3.26	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	12.06	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	13.13	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	14.03	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf	20.82	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf	24.30	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf	27.87	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	71.38	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	75.40	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	79.55	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	87.02	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	41.09	

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	540.56	55.46
		For >100 To 249, Deduct	*-63.00*	
		For >249 To 749, Deduct	*-75.60*	
		For >749, Deduct	*-84.00*	
		For Up To 9, Add	*684.62*	
		For >9 To 24, Add	*273.01*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.	567.74	55.46
		For >100 To 249, Deduct	*-67.08*	
		For >249 To 749, Deduct	*-80.49*	
		For >749, Deduct	*-89.44*	
		For Up To 9, Add	*684.20*	
		For >9 To 24, Add	*272.79*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4)	691.04	55.46
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-85.57*	
		For >249 To 749, Deduct	*-102.69*	
		For >749, Deduct	*-114.10*	
		For Up To 9, Add	*684.59*	
		For >9 To 24, Add	*273.84*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4)	718.58	55.46
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	*-89.70*	
		For >249 To 749, Deduct	*-107.65*	
		For >749, Deduct	*-119.61*	
		For Up To 9, Add	*681.75*	
		For >9 To 24, Add	*275.09*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4)	475.96	55.46
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-53.31*	
		For >249 To 749, Deduct	*-63.97*	
		For >749, Deduct	*-71.08*	
		For Up To 9, Add	*685.94*	
		For >9 To 24, Add	*273.67*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4)	481.39	55.46
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-54.13*	
		For >249 To 749, Deduct	*-64.95*	
		For >749, Deduct	*-72.17*	
		For Up To 9, Add	*685.60*	
		For >9 To 24, Add	*274.24*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4)	504.73	55.46
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self-rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-57.63*	
		For >249 To 749, Deduct	*-69.15*	
		For >749, Deduct	*-76.84*	
		For Up To 9, Add	*683.84*	
		For >9 To 24, Add	*272.77*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30)	366.83	55.46
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	*-36.94*	
		For >249 To 749, Deduct	*-44.33*	
		For >749, Deduct	*-49.26*	
		For Up To 9, Add	*674.81*	
		For >9 To 24, Add	*270.91*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	407.86	55.46
		Note: Includes Patriot back, double wall polymer, number 52 self-rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	*-43.10*	
		For >249 To 749, Deduct	*-51.72*	
		For >749, Deduct	*-57.46*	
		For Up To 9, Add	*675.18*	
		For >9 To 24, Add	*270.07*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4)	566.13	55.46
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-66.84*	
		For >249 To 749, Deduct	*-80.20*	
		For >749, Deduct	*-89.12*	
		For Up To 9, Add	*708.47*	
		For >9 To 24, Add	*285.17*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4)	588.17	55.46
		Note: Includes Crusader back, veneer surfaced, number 14 self-rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-70.14*	
		For >249 To 749, Deduct	*-84.17*	
		For >749, Deduct	*-93.52*	
		For Up To 9, Add	*678.05*	
		For >9 To 24, Add	*271.22*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*29.75*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*34.32*	

12 61 21 Fixed Audience Seating Accessories *(12 61)*

12 61 21 00-0001 Fixed Audience Seating Accessories *(12 61 21)*

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	178.45	
		For >100 To 249, Deduct	*-24.96*	
		For >249 To 749, Deduct	*-29.95*	
		For >749, Deduct	*-33.28*	
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	181.65	
		For >100 To 249, Deduct	*-25.44*	
		For >249 To 749, Deduct	*-30.53*	
		For >749, Deduct	*-33.92*	
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	190.00	
		For >100 To 249, Deduct	*-26.69*	
		For >249 To 749, Deduct	*-32.03*	
		For >749, Deduct	*-35.59*	
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	178.45	
		For >100 To 249, Deduct	*-24.96*	
		For >249 To 749, Deduct	*-29.95*	
		For >749, Deduct	*-33.28*	
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	190.70	
		For >100 To 249, Deduct	*-26.80*	
		For >249 To 749, Deduct	*-32.16*	
		For >749, Deduct	*-35.73*	
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	14.34	

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

12 62 23 00-0003	SEA	2 To 5 Rows, Non-Elevated Portable Aluminum Bleacher Price Per Seat	185.10	4.58
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	*165.00*	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	*335.00*	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher	245.19	4.58
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0006	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher	280.05	4.81
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0007	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher	292.33	5.04
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence and center aisle with rails.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0009	SEA	5 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with handrails.	387.16	5.16
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with handrails.	443.26	5.41
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non-Elevated Portable Aluminum Bleacher Note: Including side and back fence and center aisle with handrails.	481.02	5.73
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 66 Telescoping Stands *(12 60)*

12 66 13 Telescoping Bleachers *(12 66)*

12 66 13 00-0001 Wall Mounted Telescoping Bleachers *(12 66 13)*

Note: Includes column cutouts, manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additonal optional accessories.

12 66 13 00-0002	SEA	3 To 10 Tier Telescoping Bleacher, 24" Row Spacing	277.56	26.02
		For Aluminum Seating And Walks, Add	*94.88*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0003	SEA	3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing	315.98	33.90
		For Aluminum Seating And Walks, Add	*109.76*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0004	SEA	3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing	358.05	34.96
		For Aluminum Seating And Walks, Add	*126.28*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	389.36	35.77
		For Aluminum Seating And Walks, Add	*137.97*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	285.42	26.02
		For Aluminum Seating And Walks, Add	*98.42*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	331.53	33.90
		For Aluminum Seating And Walks, Add	*116.76*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	
12 66 13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	379.12	34.96
		For Aluminum Seating And Walks, Add	*135.77*	
		For 10" Flat Plastic Seat Modules, Add	*15.00*	
		For 10" Curved Plastic Seat Modules, Add	*18.75*	
		For 14" Curved Plastic Seat Module, Add	*22.50*	
		For >200 To 300, Deduct	*-4.00*	
		For >300 To 400, Deduct	*-8.00*	
		For >400 To 500, Deduct	*-12.00*	
		For >500, Deduct	*-16.00*	

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0009 SEA 11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	416.21	35.77
For Aluminum Seating And Walks, Add	*150.06*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	
12 66 13 00-0010 SEA 21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	293.34	26.02
For Aluminum Seating And Walks, Add	*101.98*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	
12 66 13 00-0011 SEA 21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	347.09	33.90
For Aluminum Seating And Walks, Add	*123.76*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	
12 66 13 00-0012 SEA 21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	400.41	34.96
For Aluminum Seating And Walks, Add	*145.35*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	
12 66 13 00-0013 SEA 21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	473.58	35.77
For Aluminum Seating And Walks, Add	*162.06*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	

12 66 13 00-0014 Portable Telescoping Bleachers *(12 66 13)*

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self-storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

12 66 13 00-0015 SEA 3 To 10 Tier Portable Bleacher, 24" Row Spacing	308.50	26.02
For Aluminum Seating And Walks, Add	*108.80*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	
12 66 13 00-0016 SEA 3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing	352.57	33.90
For Aluminum Seating And Walks, Add	*126.23*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	
12 66 13 00-0017 SEA 3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing	400.14	34.96
For Aluminum Seating And Walks, Add	*145.22*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	
12 66 13 00-0018 SEA 3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing	435.35	35.77
For Aluminum Seating And Walks, Add	*158.67*	
For 10" Flat Plastic Seat Modules, Add	*15.00*	
For 10" Curved Plastic Seat Modules, Add	*18.75*	
For 14" Curved Plastic Seat Module, Add	*22.50*	
For >200 To 300, Deduct	*-4.00*	
For >300 To 400, Deduct	*-8.00*	
For >400 To 500, Deduct	*-12.00*	
For >500, Deduct	*-16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66 13 00-0019		Options And Accessories *(12 66 13)*		
12 66 13 00-0020	EA	Removable Center Railing, Single Sphere	216.99	4.67
12 66 13 00-0021	LF	Removable Center Railing, Single Rail	74.94	4.67
12 66 13 00-0022	EA	Self Storing Side Railing	247.65	5.34
12 66 13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails	169.62	4.22
12 66 13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish	16.28	1.34
12 66 13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish	39.49	1.34
12 66 13 00-0026	SF	Rear Filler Panel	57.01	0.66
12 66 13 00-0027	EA	4' Scorer/Timer Table	459.58	22.69
12 66 13 00-0028	EA	8' Scorer/Timer Table	574.17	34.70
12 66 13 00-0029	EA	Portable Tractor For Wall Mounted Units	10,653.56	
12 66 13 00-0030	PR	Portable Dolly For Portable Units	11,950.05	
12 66 13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation	3.27	
12 66 13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition	1.64	
12 66 13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non-Slip Tread	199.08	40.04
		For Intermediate Steps, Add	*19.91*	
12 66 13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non-Slip Tread	531.48	53.39
		For Intermediate Steps, Add	*53.15*	
12 66 13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread	157.58	16.69
12 66 13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread	115.21	16.69
12 66 13 00-0037	EA	Single Handicap Cutout Seating With Railing	719.06	50.05
12 66 13 00-0038	EA	Double Handicap Cutout Seating With Railing	1,472.69	73.40
12 66 13 00-0039	EA	Portable Operator's Handle	409.25	

END OF SECTION 12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

See CSI section 22 51 19 00-0043 for diatomite type filter system.

13 11 46 00-0001 Diving Stand *(13 11 46)*

13 11 46 00-0002	EA	Diving Stand, 3 M Galvanized Steel Swimming Pool Equipment	31,459.36	3,336.43
13 11 46 00-0003	EA	Diving Stand, 3 M Stainless Steel Swimming Pool Equipment	36,369.39	3,336.43
13 11 46 00-0004	EA	Diving Stand, 1 M Galvanized Steel Swimming Pool Equipment	18,560.27	1,334.58
13 11 46 00-0005	EA	Diving Stand, 1 M Stainless Steel Swimming Pool Equipment	22,396.33	1,334.58
13 11 46 00-0006	EA	Diving Stand, 1/2 M Galvanized Steel With Stainless Steel Rails	6,857.86	619.24

13 11 46 00-0007 Diving Boards *(13 11 46)*

13 11 46 00-0008	EA	14' Long, Aluminum Diving Boards	7,115.59	493.79
		For Wheel Adjuster, Add	*124.36*	
13 11 46 00-0009	EA	14' Long, Fiberglass Diving Boards	5,826.82	493.79
		For Wheel Adjuster, Add	*124.36*	
13 11 46 00-0010	EA	8' Long, Fiberglass Diving Board	3,216.90	409.71
		For Wheel Adjuster, Add	*115.01*	
13 11 46 00-0011	EA	10' Long, Fiberglass Diving Board	4,218.80	437.74
		For Wheel Adjuster, Add	*118.11*	
13 11 46 00-0012	EA	12' Long, Fiberglass Diving Board	5,198.92	467.10
		For Wheel Adjuster, Add	*121.34*	

13 11 46 00-0013 Heavy-Duty Ladders *(13 11 46)*

13 11 46 00-0014	EA	Ladders, 2 Tread, Galvanized Steel Swimming Pool Equipment	1,695.13	190.84
13 11 46 00-0015	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	2,584.06	190.84
13 11 46 00-0016	EA	Ladders, 4 Tread, Galvanized Steel Swimming Pool Equipment	1,946.38	220.21
13 11 46 00-0017	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	3,177.98	220.21

13 11 46 00-0018 Lifeguard Chair *(13 11 46)*

13 11 46 00-0019	EA	Lifeguard Chair, Galvanized Swimming Pool Equipment	4,373.27	493.79
13 11 46 00-0020	EA	Lifeguard Chair, Stainless Steel Swimming Pool Equipment	5,836.58	493.79

13 11 46 00-0021 Underwater Lights *(13 11 46)*

13 11 46 00-0022	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	435.62	127.80
13 11 46 00-0023	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	427.35	127.80

13 11 46 00-0024 Pool Covers *(13 11 46)*

Note: Includes cover straps and tension springs.

13 11 46 00-0025	SF	Pool Covers, Reinforced Polyethylene	15.52	6.46
13 11 46 00-0026	SF	Pool Cover, Vinyl Water Tube	15.57	6.46

13 11 46 00-0027 Slides With Water Tube *(13 11 46)*

13 11 46 00-0028	EA	5' Straight, Fiberglass Pool Slide	6,018.38	750.69

13 11 46 00-0029 Curved Slides With Water Tube *(13 11 46)*

13 11 46 00-0030	EA	8' Curved Fiberglass Pool Slide With Continuous Flowing Water	11,587.12	1,021.35

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001 Fountains/Aerators *(13 12 13)*

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,365.60	178.94
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,612.28	182.88
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,646.97	187.30
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,776.48	191.73
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,907.16	196.64
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	6,187.54	201.56
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	7,077.35	206.96
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,848.76	212.37
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,923.81	218.28
13 12 13 00-0011	EA	Aerator Nozzle	856.64	98.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands and Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat		92.14	9.16

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat		142.44	10.31

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free-standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	GSF	10' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding		29.49	8.04
		For 20' To 29' In Length Only, Add	*3.25*		
		For 30' To 49' In Length Only, Add	*2.55*		
		For 50' To 69' In Length Only, Add	*1.49*		
		For 70' To 99' In Length Only, Add	*0.62*		
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*		
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.47*		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.21*		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.88*		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.54*		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.60*		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.08*		
		For Single Slope Frame Roof, Add	*1.71*		
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*		
		For Each SF Of Lap Roof, Deduct	*-0.76*		
		For Each SF Of Hip Roof, Add	*1.10*		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*		
13 34 19 00-0005	GSF	12' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding		31.61	8.85
		For 20' To 29' In Length Only, Add	*3.34*		
		For 30' To 49' In Length Only, Add	*2.63*		
		For 50' To 69' In Length Only, Add	*1.54*		
		For 70' To 99' In Length Only, Add	*0.63*		
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.95*		
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.58*		
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.37*		
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.08*		
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.79*		
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.01*		
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.59*		
		For Single Slope Frame Roof, Add	*1.76*		
		For Each SF Of 24 Gauge Wall Panel, Add	*0.91*		
		For Each SF Of Lap Roof, Deduct	*-0.76*		
		For Each SF Of Hip Roof, Add	*1.19*		
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0006	GSF	14' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	33.98	9.76
		For 20' To 29' In Length Only, Add	*3.43*	
		For 30' To 49' In Length Only, Add	*2.70*	
		For 50' To 69' In Length Only, Add	*1.58*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.02*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.70*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.55*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.08*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.46*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.16*	
		For Single Slope Frame Roof, Add	*1.81*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.97*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.31*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0007	GSF	16' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	36.61	10.67
		For 20' To 29' In Length Only, Add	*3.60*	
		For 30' To 49' In Length Only, Add	*2.83*	
		For 50' To 69' In Length Only, Add	*1.65*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.10*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.83*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.75*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.39*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.96*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.79*	
		For Single Slope Frame Roof, Add	*1.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.04*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	39.32	11.59
		For 20' To 29' In Length Only, Add	*3.78*	
		For 30' To 49' In Length Only, Add	*2.97*	
		For 50' To 69' In Length Only, Add	*1.74*	
		For 70' To 99' In Length Only, Add	*0.72*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.18*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.97*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.95*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.72*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.47*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.44*	
		For Single Slope Frame Roof, Add	*1.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.12*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	43.28	12.44
		For 20' To 29' In Length Only, Add	*4.36*	
		For 30' To 49' In Length Only, Add	*3.43*	
		For 50' To 69' In Length Only, Add	*2.01*	
		For 70' To 99' In Length Only, Add	*0.83*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.30*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.16*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.25*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*4.22*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.19*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*8.22*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*10.39*	
		For Single Slope Frame Roof, Add	*2.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.24*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	48.59	14.27
		For 20' To 29' In Length Only, Add	*4.74*	
		For 30' To 49' In Length Only, Add	*3.73*	
		For 50' To 69' In Length Only, Add	*2.18*	
		For 70' To 99' In Length Only, Add	*0.90*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.43*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.64*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*4.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.83*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*9.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*11.66*	
		For Single Slope Frame Roof, Add	*2.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.86*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0011		>30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*		
13 34 19 00-0012	GSF	10' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.02	6.41
		For 30' To 49' In Length Only, Add	*2.38*	
		For 50' To 69' In Length Only, Add	*1.39*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.00*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.00*	
		For Single Slope Frame Roof, Add	*1.59*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.72	6.99
		For 30' To 49' In Length Only, Add	*2.45*	
		For 50' To 69' In Length Only, Add	*1.43*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.34*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.61*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.21*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.08*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.41*	
		For Single Slope Frame Roof, Add	*1.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.97*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	28.18	7.56
		For 30' To 49' In Length Only, Add	*2.50*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.41*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.11*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.38*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.35*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.76*	
		For Single Slope Frame Roof, Add	*1.68*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.82*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.04*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.26	8.23
		For 30' To 49' In Length Only, Add	*2.63*	
		For 50' To 69' In Length Only, Add	*1.54*	
		For 70' To 99' In Length Only, Add	*0.64*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.91*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.51*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.27*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.63*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.26*	
		For Single Slope Frame Roof, Add	*1.76*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.87*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.12*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	32.79	8.85
		For 30' To 49' In Length Only, Add	*2.89*	
		For 50' To 69' In Length Only, Add	*1.69*	
		For 70' To 99' In Length Only, Add	*0.70*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.98*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.64*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.46*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.20*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.87*	
		For Single Slope Frame Roof, Add	*1.94*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.95*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.19*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	35.11	9.45
		For 30' To 49' In Length Only, Add	*3.07*	
		For 50' To 69' In Length Only, Add	*1.80*	
		For 70' To 99' In Length Only, Add	*0.74*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.05*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.76*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.63*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.42*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.21*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.67*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.43*	
		For Single Slope Frame Roof, Add	*2.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.01*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.28*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.49	10.67
		For 30' To 49' In Length Only, Add	*3.25*	
		For 50' To 69' In Length Only, Add	*1.90*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.15*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.92*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.89*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.62*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.24*	
		For Single Slope Frame Roof, Add	*2.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.11*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.42*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0019		>50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*		
13 34 19 00-0020	GSF	10' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.31	4.46
		For 30' To 49' In Length Only, Add	*2.08*	
		For 50' To 69' In Length Only, Add	*1.22*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.45*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.32*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.67*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.63*	
		For Single Slope Frame Roof, Add	*1.40*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.11	4.68
		For 30' To 49' In Length Only, Add	*2.15*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.96*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.41*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.83*	
		For Single Slope Frame Roof, Add	*1.44*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0022	GSF	14' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	20.90	4.90
		For 30' To 49' In Length Only, Add	*2.21*	
		For 50' To 69' In Length Only, Add	*1.29*	
		For 70' To 99' In Length Only, Add	*0.53*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.04*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.51*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.97*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.02*	
		For Single Slope Frame Roof, Add	*1.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0023	GSF	16' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.19	5.67
		For 30' To 49' In Length Only, Add	*2.34*	
		For 50' To 69' In Length Only, Add	*1.37*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.16*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.26*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.78*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.41*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.57*	
		For Single Slope Frame Roof, Add	*1.57*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.00	6.31
		For 30' To 49' In Length Only, Add	*2.42*	
		For 50' To 69' In Length Only, Add	*1.42*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.00*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.00*	
		For Single Slope Frame Roof, Add	*1.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.73*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.88*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	26.73	6.95
		For 30' To 49' In Length Only, Add	*2.49*	
		For 50' To 69' In Length Only, Add	*1.45*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.34*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.61*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.21*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.08*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.42*	
		For Single Slope Frame Roof, Add	*1.67*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.84	7.87
		For 30' To 49' In Length Only, Add	*2.72*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.90*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.49*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.24*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.91*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.58*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.67*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.16*	
		For Single Slope Frame Roof, Add	*1.82*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.87*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.07*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0027 Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0028 20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0029	GSF	10' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.36	6.41
		For 20' To 29' In Length Only, Add	*3.13*	
		For 30' To 49' In Length Only, Add	*2.46*	
		For 50' To 69' In Length Only, Add	*1.44*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.76*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.27*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.47*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.04*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.74*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0030	GSF	12' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.28	6.99
		For 20' To 29' In Length Only, Add	*3.30*	
		For 30' To 49' In Length Only, Add	*2.60*	
		For 50' To 69' In Length Only, Add	*1.52*	
		For 70' To 99' In Length Only, Add	*0.63*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.82*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.36*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.05*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.66*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.27*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.18*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.80*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.17	7.56
		For 20' To 29' In Length Only, Add	*3.47*	
		For 30' To 49' In Length Only, Add	*2.73*	
		For 50' To 69' In Length Only, Add	*1.59*	
		For 70' To 99' In Length Only, Add	*0.66*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.46*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.19*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.84*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.50*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.00*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.04*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.57	8.23
		For 20' To 29' In Length Only, Add	*3.72*	
		For 30' To 49' In Length Only, Add	*2.93*	
		For 50' To 69' In Length Only, Add	*1.71*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.95*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.58*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.37*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.08*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.79*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.00*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.58*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.92*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.12*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	33.72	8.87
		For 20' To 29' In Length Only, Add	*3.92*	
		For 30' To 49' In Length Only, Add	*3.08*	
		For 50' To 69' In Length Only, Add	*1.80*	
		For 70' To 99' In Length Only, Add	*0.74*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.01*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.05*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.41*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.98*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.20*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0034	GSF	20' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	35.84	9.51
		For 20' To 29' In Length Only, Add	*4.12*	
		For 30' To 49' In Length Only, Add	*3.24*	
		For 50' To 69' In Length Only, Add	*1.89*	
		For 70' To 99' In Length Only, Add	*0.78*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.08*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.79*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.69*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.49*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.81*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.04*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.28*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0035	GSF	24' Eave Height, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	40.22	10.85
		For 20' To 29' In Length Only, Add	*4.51*	
		For 30' To 49' In Length Only, Add	*3.54*	
		For 50' To 69' In Length Only, Add	*2.07*	
		For 70' To 99' In Length Only, Add	*0.85*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.21*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*2.01*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*3.02*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.92*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.83*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.65*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.16*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0036 >30' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0037	GSF	10' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.83	5.67
		For 30' To 49' In Length Only, Add	*2.26*	
		For 50' To 69' In Length Only, Add	*1.32*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.14*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.71*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.23*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.74*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.34*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.48*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.42	6.19
		For 30' To 49' In Length Only, Add	*2.35*	
		For 50' To 69' In Length Only, Add	*1.38*	
		For 70' To 99' In Length Only, Add	*0.57*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.99	6.71
		For 30' To 49' In Length Only, Add	*2.44*	
		For 50' To 69' In Length Only, Add	*1.43*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.78*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.30*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.95*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.53*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.12*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.94*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.24*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.93*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0040	GSF	16' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.67	7.20
		For 30' To 49' In Length Only, Add	*2.57*	
		For 50' To 69' In Length Only, Add	*1.51*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.83*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.38*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.08*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.32*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.81*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.99*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0041	GSF	18' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	29.37	7.71
		For 30' To 49' In Length Only, Add	*2.69*	
		For 50' To 69' In Length Only, Add	*1.57*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.47*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.86*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.52*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.58*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.05*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.05*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.04	8.23
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.64*	
		For 70' To 99' In Length Only, Add	*0.68*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.93*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.55*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.33*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.72*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.90*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.90*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.12*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, >30' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	34.84	9.39
		For 30' To 49' In Length Only, Add	*3.07*	
		For 50' To 69' In Length Only, Add	*1.80*	
		For 70' To 99' In Length Only, Add	*0.74*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.05*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.74*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.61*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.40*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.18*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.62*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.01*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.26*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0044		>50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0045	GSF	10' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.64	4.46
		For 30' To 49' In Length Only, Add	*2.16*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.91*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.36*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.73*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.71*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0046	GSF	12' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.72	4.76
		For 30' To 49' In Length Only, Add	*2.25*	
		For 50' To 69' In Length Only, Add	*1.31*	
		For 70' To 99' In Length Only, Add	*0.54*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.55*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.02*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.49*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.94*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.97*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0047	GSF	14' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.78	5.06
		For 30' To 49' In Length Only, Add	*2.33*	
		For 50' To 69' In Length Only, Add	*1.36*	
		For 70' To 99' In Length Only, Add	*0.56*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.63*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.12*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.14*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.93	5.37
		For 30' To 49' In Length Only, Add	*2.43*	
		For 50' To 69' In Length Only, Add	*1.42*	
		For 70' To 99' In Length Only, Add	*0.59*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.15*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.72*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.24*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.75*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.34	5.73
		For 30' To 49' In Length Only, Add	*2.57*	
		For 50' To 69' In Length Only, Add	*1.50*	
		For 70' To 99' In Length Only, Add	*0.62*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.37*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.92*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.62*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.84*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF	20' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	25.63	6.04
		For 30' To 49' In Length Only, Add	*2.70*	
		For 50' To 69' In Length Only, Add	*1.58*	
		For 70' To 99' In Length Only, Add	*0.65*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.77*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.28*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.92*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.50*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.08*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.87*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.15*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.85*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0051	GSF	24' Eave Height, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.65	6.86
		For 30' To 49' In Length Only, Add	*2.96*	
		For 50' To 69' In Length Only, Add	*1.73*	
		For 70' To 99' In Length Only, Add	*0.71*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.86*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.43*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.15*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.79*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.44*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.44*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.85*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.95*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*
Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings
(13 34 19 00-0052)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.80	5.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.50*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.22	5.61
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.11*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.22*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.33*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.79*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	23.33	5.92
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.27*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.43*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.44	6.22
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.87*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	26.49	6.75
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.79*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.32*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.58*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.18*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.03*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.94*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0059		>60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.19	4.63
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.87*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.65*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.61*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.43	4.94
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.88*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.71*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.55	5.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.08*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.62*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.10*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.59*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.09*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.17*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.64*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.52	5.49
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.68*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.13*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.69*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.20*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.70*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.28*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.40*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.78*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	24.38	5.97
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.63*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.85*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.72*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.84*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0065		>80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.70	4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.33*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.73*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.12*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.25*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.55	4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.52*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.53	4.51
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.90*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.34*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.71*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.69*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.37	4.69
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.44*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.87*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.89*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.61*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.68*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	22.07	5.12
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.66*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.10*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.66*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.15*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.65*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.19*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0071		>100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*		
13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.20	3.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.68*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.06*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.27*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.13*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.91	4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.15*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.74	4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.25*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.56*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.52	4.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.90*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.34*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.71*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.68*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	21.17	4.81
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.06*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.59*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.06*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.54*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.02*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.08*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.70*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.17	4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.06*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.12*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.85	4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.86	4.14
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.29*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	18.58	4.33
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.93*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.39*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.81*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.23*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.53*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	20.78	4.63
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.49*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0084		>120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*		
13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.14	3.72
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.94*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.56*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.70	3.84
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.84*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.25*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.63*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.00*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.17*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.33	3.99
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.30*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.69*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.08*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.29*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.16*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	17.94	4.14
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.90*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.35*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.15*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.41*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.31*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	20.12	4.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.01*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.96*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.41*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.82*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0090		Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*		
		Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0091		Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.50	3.53
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.86*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.72*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.12	3.65
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.06*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.67	3.78
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.83*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.25*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.63*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.00*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.17*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.00*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	17.18	3.90
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.68*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.06*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.12*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.41	4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.58*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.97*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.89*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.33*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.69*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.66*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.24	3.41
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.14*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.49*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.83*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.90*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.66*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.79	3.53
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.18*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.54*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.89*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.00*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.36	3.65
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.23*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.96*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.11*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.93*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.91	3.78
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.27*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.65*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.03*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.21*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.06*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	19.00	4.09
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.43*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.85*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.28*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.61*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.56*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0103		>180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*		
13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.02	3.30
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.85*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.46	3.41
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.77*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.16*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.51*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.86*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.94*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.71*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.07	3.53
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.05*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.54*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	16.63	3.65
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.83*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.25*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.62*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.00*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.16*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	18.74	3.97
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.56*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.25*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0109 Metal Building Options *(13 34 19 00-0001)*

Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0065 for sliding windows.

13 34 19 00-0110 Metal Framing For Rough Openings *(13 34 19 00-0109)*

Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.

13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	471.18	136.60
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	703.94	176.84
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	807.50	167.69
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	868.21	170.75
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	919.49	176.84
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	455.95	136.60
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	512.96	155.26
13 34 19 00-0118	LF	Additional Girts	12.63	

13 34 19 00-0119 Wall Panel Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge wall panels.

13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	14.93	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	17.95	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	20.63	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	23.67	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

13 34 19 00-0124 Roofing Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge standing seam roof panels.

13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	1.58	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	25.72	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42 Note: 24 gauge exterior and 24 gauge interior panels.	27.35	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	28.66	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	206.24	52.44
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	24.99	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.33	0.38
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.48	0.38
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.67	0.50
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.92	0.50
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	2.38	0.50
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.60	0.38
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.75	0.38
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.88	0.50
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.08	0.50
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	2.47	0.50
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.52	0.38
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.69	0.38
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.99	0.50
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.19	0.50
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.55	0.50
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.42	0.38
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.51	0.38
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.69	0.50
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	2.09	0.50
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.43	0.38
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.53	0.38
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.72	0.50
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	2.14	0.50
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.88	0.38
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.01	0.38
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.20	0.50
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.62	0.50
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	46.72	9.51
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	70.67	6.83
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	95.60	15.24
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*22.38*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*12.82*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	79.87	12.80
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*18.69*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*10.70*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	60.58	10.97
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*14.05*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*7.99*	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	116.74	23.17
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	78.43	14.03
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	44.86	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	56.14	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	67.68	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	79.05	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	101.44	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	59.88	
		For 24 Gauge, Add	*6.64*	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	74.87	
		For 24 Gauge, Add	*8.38*	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	90.06	
		For 24 Gauge, Add	*10.04*	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	105.26	
		For 24 Gauge, Add	*11.69*	
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	134.58	
		For 24 Gauge, Add	*15.07*	
13 34 19 00-0177		**Louvers And Vents For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0178	EA	4' x 3' Fixed Louver	729.89	190.26
13 34 19 00-0179	EA	12" Rotary Vent With Damper	442.59	121.96
13 34 19 00-0180	EA	20" Rotary Vent With Damper	784.40	162.81
13 34 19 00-0181	EA	24" Rotary Vent With Damper	1,041.88	182.94
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Bird Screen, 9" Throat x 10'	1,191.45	243.93
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Bird Screen, 12" Throat x 10'	1,271.53	243.93
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,481.15	243.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,619.11	243.93
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,770.87	243.93
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Bird Screen	1,922.62	243.93
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,527.44	304.91
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Bird Screen	2,775.77	304.91
13 34 19 00-0190		Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*		
13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	11.16	3.05
		For Galvanized Instead Of Painted, Deduct	*-1.27*	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	10.55	4.27
		For Galvanized Instead Of Painted, Deduct	*-0.51*	
13 34 23		**Fabricated Structures** *(13 34)*		
13 34 23 13		**Portable and Mobile Buildings** *(13 34 23)*		
13 34 23 13-0001		Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*		
		Note: Complete, includes door, roof, lights and wiring, insulation, painted.		
13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	487.78	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	418.43	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	334.94	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	265.00	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	236.81	
13 34 23 13-0007		Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*		
		Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'	69.82	
		For Each Delivery And Set-Up (Block And Level), Add	*1,460.23*	
		For Each Knock-Down And Pick-Up, Add	*1,180.23*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0009	SF	Modular Trailers, Connected	97.75	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*3,236.78*	
		For Each Knock-Down And Pick-Up, Add	*2,586.78*	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware	1,047.29	
13 34 23 13-0011		Portable and Mobile Trailer Accessories *(13 34 23 13)*		
13 34 23 13-0012		Skirting *(13 34 23 13-0011)*		
		Note: Includes 2" x 4" wood framing 16" on center.		
13 34 23 13-0013		Vinyl Covered, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt	5.88	2.28
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt	8.68	3.76
13 34 23 13-0016		Fiberglass, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt	10.98	4.30
13 34 23 13-0018	SF	3' High Fiberglass Skirt	12.77	5.24
13 34 23 13-0019		Plywood, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	10.22	4.56
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt	12.11	5.50
13 34 23 13-0022		Steel, Painted, Exterior Only *(13 34 23 13-0012)*		
13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	11.57	4.30
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt	13.46	5.24
13 34 23 13-0025		14" x 14" Access Hatch *(13 34 23 13-0011)*		
		Note: Simple design.		
13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	290.83	100.82
13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	259.11	100.82
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	288.85	100.82
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	290.47	100.82
13 34 23 13-0030		Pole Anchor *(13 34 23 13-0011)*		
		Note: Joslyn.		
13 34 23 13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	70.63	29.56
13 34 23 13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	80.29	29.56
13 34 23 13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	107.66	33.26
13 34 23 13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	152.18	36.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	173.95	40.65
13 34 23 13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	280.00	55.43
13 34 23 13-0037		**Aluminum Modular Access Ramp** *(13 34 23 13-0011)*		
		Note: Includes picketed guardrails, inside grab rails, legs and hardware.		
13 34 23 13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	3,815.90	33.57
13 34 23 13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	3,856.18	43.64
13 34 23 13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	7,935.22	67.13
13 34 23 13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	8,549.78	67.13
13 34 23 13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	4,009.82	43.64
13 34 23 13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,969.54	33.57
13 34 23 13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	5,542.39	43.64
13 34 23 13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,934.92	43.64
13 34 23 13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,934.92	43.64
13 34 23 13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	4,478.42	43.64
13 34 23 13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	5,018.09	43.64
13 34 23 13-0049		**Relocate Portable And Mobile Trailer** *(13 34 23 13)*		
		Note: Excludes anchors, skirting, steps, ramps, utility hook-ups and foundation. See CSI section 01 22 16 00-0002 for reimbursable permit fees, 01 22 20 00-0087 for escort vehicle, 13 34 23 13-0012 for skirting, 13 34 23 13-0030 for anchors.		
13 34 23 13-0050	EA	Prepare, Up To 12' Wide, Single Trailer For Transportation	931.73	
		Note: Includes securing interior, mounting tires, and mounting trailer hitch		
13 34 23 13-0051	EA	Separate, 24' Wide Double Trailer And Prepare For Transportation	4,563.21	
		Note: Includes separating trailers, securing interior, installing plastic and boards to open side of each (2) trailers, mounting tires, and mounting trailer hitch.		
13 34 23 13-0052	EA	Remove Blocking From 8' Wide x Up To 35' Long Trailer	409.96	
		Note: Per trailer		
13 34 23 13-0053	EA	Remove Blocking From 10' Wide x 40' To 50' Long Trailer	521.77	
		Note: Per trailer		
13 34 23 13-0054	EA	Remove Blocking From 12' Wide x 45' To 60' Long Trailer	633.58	
		Note: Per trailer		
13 34 23 13-0055	EA	Remove Blocking From 24' Wide x 45' To 60' Long Trailer	1,267.16	
		Note: Per trailer		
13 34 23 13-0056	MI	Transportation And Delivery Of Trailer	19.37	
		See CSI section 01 22 20 00-0088 for escort vehicle service (when required).		
13 34 23 13-0057	EA	Re-connect 24' Wide Double Trailer	9,051.09	
		Note: Includes removal of temporary plastic and boards, caulking, installation of flooring, ceiling and roofing seams. Excludes blocking and leveling. See CSI section 13 34 23 13-0060 for blocking and leveling of each section.		
13 34 23 13-0058	EA	Set-Up (Block And Level) Trailer, 8' Wide x Up To 35' Long	512.46	
		Note: Per trailer		
13 34 23 13-0059	EA	Set-Up (Block And Level) Trailer, 10' Wide x 40' To 50' Long	652.21	
		Note: Per trailer		
13 34 23 13-0060	EA	Set-Up (Block And Level) Trailer, 12' Wide x 45' To 60' Long	791.97	
		Note: Per trailer		
13 34 23 13-0061	EA	Set-Up (Block And Level) Trailer, 24' Wide x 45' To 60' Long	1,583.95	
		Note: Per trailer		
13 34 23 13-0062	EA	Connection Straps To Anchor	23.30	
		Note: Includes straps per each anchor See CSI section 13 34 23 13-0030 for anchors.		

13 34 23 14 Fabricated Classroom Buildings *(13 34 23)*

13 34 23 14-0001		**Semi-Permanent Modular Transportable Buildings** *(13 34 23 14)*		
13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	104.03	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*3,236.78*	
		For Each Knock-Down And Pick-Up, Add	*2,586.78*	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	107.11	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*3,236.78*	
		For Each Knock-Down And Pick-Up, Add	*2,586.78*	

13 34 23 16 Fabricated Control Booths *(13 34 23)*

13 34 23 16-0001		**Fabricated Parking Attendant Booths** *(13 34 23 16)*		
		Note: Excludes foundations and slab.		
13 34 23 16-0002	EA	Parking Booth For Attendant	2,037.33	

13 34 23 31 Fabricated Pavilion Style Buildings *(13 34 23)*

13 34 23 31-0001		**Pavilion Style Metal Shelter Structures** *(13 34 23 31)*		
		Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.		
13 34 23 31-0002	EA	12' x 12' Pavilion Style Metal Shelter Structure	12,424.22	3,253.92
13 34 23 31-0003	EA	16' x 16' Pavilion Style Metal Shelter Structure	14,636.82	3,579.30
13 34 23 31-0004	EA	16' x 32' Pavilion Style Metal Shelter Structure	18,358.57	3,904.70
13 34 23 31-0005	EA	20' x 20' Pavilion Style Metal Shelter Structure	17,313.26	3,782.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 31-0006	EA	20' x 30' Pavilion Style Metal Shelter Structure	20,974.03	4,067.39
13 34 23 31-0007	EA	20' x 40' Pavilion Style Metal Shelter Structure	24,728.43	4,270.83
13 34 23 31-0008	EA	24' x 24' Pavilion Style Metal Shelter Structure	20,730.11	3,904.70
13 34 23 31-0009	EA	24' x 48' Pavilion Style Metal Shelter Structure	28,389.20	4,555.48
13 34 23 31-0010	EA	30' x 30' Pavilion Style Metal Shelter Structure	27,631.25	4,718.18
13 34 23 31-0011	EA	30' x 60' Pavilion Style Metal Shelter Structure	52,037.98	5,285.17
13 34 23 31-0012	EA	40' x 40' Pavilion Style Metal Shelter Structure	47,841.74	5,857.05
13 34 23 31-0013	EA	40' x 60' Pavilion Style Metal Shelter Structure	68,570.91	6,507.83

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	14,039.39	927.87
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	30,770.20	1,242.44
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	130.95	8.80
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	98.48	8.80
13 42 63 16-0005	SF	Perforated Metal Crime Shield	94.53	3.64

13 46 Lightning Protection Systems *(13 40)*

13 46 13 Lightning Protection for Structures *(13 46)*

13 46 13 00-0001 Lightning Protection *(13 46 13)*
See CSI section 26 05 26 00-0001 for conductors.

13 46 13 00-0002 Air Terminals For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0003 Copper Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal	71.32	10.21
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal	88.24	10.21
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal	116.10	10.21
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal	128.94	10.21
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal	252.87	20.41

13 46 13 00-0009 Aluminum Lightning Protection Air Terminals *(13 46 13 00-0002)*

13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal	37.94	10.21
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal	48.87	10.21
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal	60.12	10.21
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal	67.13	10.21
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal	125.65	20.41

13 46 13 00-0015 Terminal Bases For Lightning Protection *(13 46 13 00-0001)*

13 46 13 00-0016 Copper Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal	87.49	30.61
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal	111.26	40.82
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal	152.51	51.02
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal	111.26	40.82
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal	120.37	40.82
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal	211.01	81.63
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal	150.12	51.02
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal	87.49	30.61

13 46 13 00-0025 Aluminum Lightning Protection Terminal Bases *(13 46 13 00-0015)*

13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal	66.29	30.61
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal	97.10	40.82
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal	126.49	51.02
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal	97.27	40.82
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal	99.69	40.82
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal	183.77	81.63
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal	130.81	51.02
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal	66.29	30.61

13 46 13 00-0034 Connectors *(13 46 13 00-0001)*

13 46 13 00-0035 Copper Cable Connectors *(13 46 13 00-0034)*

13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System	176.61	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System	235.61	81.63
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System	154.16	51.02
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System	38.29	10.21
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System	39.94	10.21
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal	120.25	30.61
13 46 13 00-0042		Aluminum Cable Connectors *(13 46 13 00-0034)*		
13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System	133.93	51.02
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System	193.71	81.63
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System	128.74	51.02
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System	28.47	10.21
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal	84.63	30.61
13 46 13 00-0048		Bonding Plates *(13 46 13 00-0001)*		
13 46 13 00-0049		Copper Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System	132.47	51.02
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System	138.04	51.02
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System	202.10	81.63
13 46 13 00-0053		Aluminum Bonding Plates *(13 46 13 00-0048)*		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System	117.51	51.02
13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System	120.27	51.02
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System	176.69	81.63
13 46 13 00-0057		Cable Supports *(13 46 13 00-0001)*		
13 46 13 00-0058		Copper Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System	25.22	10.21
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System	26.27	10.21
13 46 13 00-0061		Aluminum Cable Supports *(13 46 13 00-0057)*		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System	23.20	10.21
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System	23.02	10.21
13 46 13 00-0064		Bonding Straps *(13 46 13 00-0001)*		
13 46 13 00-0065		Copper Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System	70.77	30.61
13 46 13 00-0067		Aluminum Bonding Straps *(13 46 13 00-0064)*		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System	60.41	30.61
13 46 13 00-0069		Accessories For Lightning Protection *(13 46 13 00-0001)*		
		See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
13 46 13 00-0070		Copper Adapters *(13 46 13 00-0069)*		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System	30.64	5.10
13 46 13 00-0072		Aluminum Adapters *(13 46 13 00-0069)*		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System	20.30	5.10
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System	166.87	51.02

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001		Anodes *(13 47 13 13)*		
13 47 13 13-0002		Magnesium Type, Conventional *(13 47 13 13-0001)*		
13 47 13 13-0003	EA	9 Lb. Magnesium Type Anodes	353.11	150.45
13 47 13 13-0004	EA	17 Lb. Magnesium Type Anodes	526.35	217.44
13 47 13 13-0005	EA	32 Lb. Magnesium Type Anode	725.86	279.74
13 47 13 13-0006	EA	48 Lb. Magnesium Type Anode	1,036.32	391.39
13 47 13 13-0007		Graphite Type *(13 47 13 13-0001)*		
		Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60", 32 Lb., Graphite Type Anodes With Epoxy Cap	525.51	206.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 47 13 13-0009	EA	4" x 80", 68 Lb., Graphite Type Anodes With Epoxy Cap	835.43	288.98
13 47 13 13-0010	EA	6" x 36", 45 Lb., Graphite Type Anodes With Epoxy Cap	647.39	180.85
13 47 13 13-0011	EA	6" x 72", 80 Lb., Graphite Type Anodes With Epoxy Cap	1,010.40	241.44
13 47 13 13-0012		High Silicon Cast Iron Type *(13 47 13 13-0001)*		
13 47 13 13-0013	EA	2.66" x 84", 70 Lb., High Silicon Cast Iron Anode	2,043.03	288.98
13 47 13 13-0014		Metal Oxide Type *(13 47 13 13-0001)*		
13 47 13 13-0015	EA	1" x 60", 5 Lb., Mixed Metal Oxide Anode Note: Includes center connected #8 HMWPE/HALAR Lead wire.	1,037.43	150.45
13 47 13 13-0016		Rectifiers *(13 47 13 13)*		
13 47 13 13-0017		Air-Cooled, Silicon Type *(13 47 13 13-0016)*		
13 47 13 13-0018	EA	Air-Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,078.98	293.89
13 47 13 13-0019	EA	Air-Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,264.99	293.89
13 47 13 13-0020		Oil Immersed, Silicon Type *(13 47 13 13-0016)*		
13 47 13 13-0021	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	3,202.52	339.81
13 47 13 13-0022	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	3,401.81	339.81
13 47 13 13-0023		Anode Backfill *(13 47 13 13)*		
13 47 13 13-0024	LB	Anode Backfill, Coke Breeze	1.00	0.37
13 47 13 13-0025		Cathodic Protection Cable *(13 47 13 13)*		
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 8	2,082.29	723.39
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2 - No 6	2,364.19	723.39
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2 - No 4	2,787.03	723.39
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2 - No 2	3,491.77	723.39
13 47 13 13-0030	MLF	Cathodic Protection Cable, OR2 - No 1	4,410.20	797.03
13 47 13 13-0031	MLF	Cathodic Protection Cable, OR2-No 1/0	4,938.76	797.03
13 47 13 13-0032	MLF	Cathodic Protection Cable, OR2-No 2/0	5,819.69	797.03
13 47 13 13-0033	MLF	Cathodic Protection Cable, OR2-No 4/0	8,076.84	868.81
13 47 13 13-0034		Cathodic Test Stations *(13 47 13 13)*		
13 47 13 13-0035		Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0034)*		
13 47 13 13-0036	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	280.93	84.70

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for Cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 53 Manufactured Seismic Control Components *(13 48)*

13 48 53 00-0001		Seismic Bracing Assembly *(13 48 53)*		
13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	186.72	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	182.55	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	274.10	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	355.56	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	366.34	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	544.74	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	723.15	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	219.11	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	323.89	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	428.68	
13 48 53 00-0012		Seismic Brace Components *(13 48 53)*		
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1) Note: To be used with 7x19 stranded cable.	34.71	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2) Note: To be used with 7x19 stranded cable.	48.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3) Note: To be used with 7x19 stranded cable.	64.67	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4) Note: To be used with 7x19 stranded cable.	89.16	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1) Note: To be used with angle or channel.	32.48	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2) Note: To be used with angle or channel.	44.47	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3) Note: To be used with angle or channel.	59.02	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4) Note: To be used with angle or channel.	80.43	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1) Note: To be used with 7x19 stranded cable.	39.76	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2) Note: To be used with 7x19 stranded cable.	53.03	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3) Note: To be used with 7x19 stranded cable.	74.43	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	71.01	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	100.54	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3) Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	137.79	
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1) Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	29.77	
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2) Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	36.62	
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2) Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	46.03	

13 48 63 Fabricated Seismic Control Assemblies *(13 48)*

13 48 63 00-0001 Seismic Restraints *(13 48 63)*

13 48 63 00-0002	EA	1" x 1" Seismic Fastener, Gray, Drilled With 0.187 Diameter Hole Note: Adhesive applied.	5.81	1.34
13 48 63 00-0003	EA	1" x 1" Seismic Fastener, Gray, Adhesive Applied	4.49	0.66
13 48 63 00-0004	EA	1" x 2" Seismic Fastener, Gray, Drilled With (2) 0.187 Diameter Hole Note: Adhesive applied.	7.60	1.67
13 48 63 00-0005	EA	1" x 2" Seismic Fastener, Gray, Adhesive Applied	5.72	0.83
13 48 63 00-0006	EA	2" x 2" Seismic Fastener, Gray, Adhesive Applied	7.23	0.97
13 48 63 00-0007	EA	2" x 3" Seismic Fastener, Gray, Adhesive Applied	12.11	1.18
13 48 63 00-0008	LF	3/4" Wide Seismic Strap, Gray	5.19	1.01
13 48 63 00-0009	LF	1" Wide Seismic Strap, Gray	7.59	1.01
13 48 63 00-0010	EA	3/4" Wide x 4" Long Seismic Strap, Gray	2.52	0.66
13 48 63 00-0011	EA	3/4" Wide x 12" Long Seismic Strap, Gray	11.27	2.00
13 48 63 00-0012	LF	Seismic Chord, Black	3.15	1.01
13 48 63 00-0013	LF	SAFELOK Seismic Fastener, Black	4.15	1.01

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	640.80	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	854.40	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	534.00	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	534.00	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	320.40	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	210.69	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	263.36	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,528.60	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,910.74	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	764.29	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,719.68	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	1,146.45	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,675.05	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	3,057.19	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,292.89	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,866.12	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,528.60	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,431.46	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,735.40	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,431.46	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,431.46	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,431.46	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	47,890.55	10,792.63
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*9,918.81*	
		For An Additional Stop, Add *Note: Includes Removal.*	*10,673.74*	
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	51,624.30	13,041.10
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*10,015.64*	
		For An Additional Stop, Add *Note: Includes Removal.*	*11,298.11*	
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 Lb. x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	60,636.54	14,839.86
		For Union-Guard Cathodic Protection, Add *Note: Includes Pump.*	*11,564.84*	
		For An Additional Stop, Add *Note: Includes Removal.*	*14,335.17*	
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	6,425.68	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	81.15	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	895.31	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,900.74	899.38
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	4,210.57	899.38
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes build back.	9,379.46	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes build back.	10,154.06	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes build back.	9,877.14	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes build back.	10,651.74	
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	106.15	25.70
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring Note: SF cost not applicable for partial cab flooring.	92.40	25.70
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	15.26	3.37
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,864.87	674.54
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	22,549.36	3,766.18
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	3,243.48	899.38
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	540.65	224.85
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	536.84	449.70
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	717.31	393.48
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,530.10	899.38
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	710.31	415.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	536.84	449.70
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	782.78	449.70
14 01 20 71-0050	EA	Fire Service Key Switch Controller	4,460.38	899.38
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,223.54	449.70
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,067.91	1,798.77
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	9,753.43	1,798.77
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	3,112.14	449.70
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	10,043.91	1,798.77
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,206.52	449.70
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,988.12	449.70
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	294.56	224.85
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,881.62	449.70
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.39	
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	7,195.09	3,597.54
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.74	
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	7,408.15	899.38
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	10,506.55	899.38
14 01 20 71-0065	EA	Removal And Replacement Of Governor	6,222.59	899.38
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	10,043.91	1,798.77
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	2,133.36	449.70
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,577.16	449.70
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	949.42	449.70
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	2,026.86	449.70
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	247.51	224.85
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	51,265.48	7,195.09
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	30,157.63	7,195.09
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	47,035.22	7,195.09
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,976.25	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	4,189.26	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	4,423.58	
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,679.20	
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,763.24	449.70
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	58,378.77	7,195.09
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	164.75	
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	175.56	
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	182.91	
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	10,498.38	899.38
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,441.01	899.38
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,537.84	899.38
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,634.66	899.38
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,750.85	899.38
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	9,475.91	899.38
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	9,475.91	899.38
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	13,348.91	899.38
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	15,285.41	899.38
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	5,799.69	200.19
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	6,056.13	240.23
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Fire Safety Interface Relay, Mechanical Interlock	8,034.48	280.27
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	265.07	224.85
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	270.44	224.85
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	176.49	52.91
14 01 20 71-0099	LF	3/8" x 2" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	170.18	52.91
14 01 20 71-0100	LF	3/8" x 3" Flat Bar, Brushed Finish, Stainless Steel Elevator Handrail	199.69	52.91
14 01 20 71-0101	LF	3/8" x 2" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	219.68	52.91
14 01 20 71-0102	LF	3/8" x 3" Flat Bar, Mirror Finish, Stainless Steel Elevator Handrail	249.42	52.91
14 01 20 71-0103	LF	3/8" x 2" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	203.41	52.91
14 01 20 71-0104	LF	3/8" x 3" Flat Bar, Brushed Finish, Bronze Steel Elevator Handrail	229.67	52.91
14 01 20 71-0105	LF	3/8" x 2" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail, Mirror Finish	350.16	52.91
14 01 20 71-0106	LF	3/8" x 3" Flat Bar, Mirror Finish, Bronze Steel Elevator Handrail	391.83	52.91
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	169.17	52.91
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Tubular Stainless Steel Elevator Handrail	170.78	52.91
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish, Stainless Steel Elevator Handrail	214.41	52.91
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	201.55	52.91
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	215.26	52.91
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Stainless Steel Elevator Handrail	266.40	52.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular, Brushed Finish, Tubular Bronze Steel Elevator Handrail	208.06	52.91
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular, Brushed Finish, Bronze Steel Elevator Handrail	212.47	52.91
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular, Brushed Finish Bronze Steel Elevator Handrail	347.02	52.91
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular, Mirror Finish, Bronze Steel Elevator Handrail	232.22	52.91
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	347.87	52.91
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular, Mirror Finish, Bronze Elevator Handrail	391.83	52.91

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	906.63
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	210.69
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	4,986.51

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	2,201.97
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	2,358.91
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	2,474.02
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,667.93
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	206.83

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	395,286.27
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Each Opening With Two Speed Doors, Add	*849.12*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*1,563.04*
		For Class "C-2" Loading, Add	*1,876.40*
		For Class "C-3" Loading, Add	*2,566.92*
		For Removal Of Existing Stop, Add	*9,907.36*
		For Each Additional Stop, Add	*37,903.19*
		For Each Floor < 6 Stops, Deduct	*-32,576.27*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Removal Of Existing Elevator, Add	*49,536.79*
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	416,587.68
		For Each Opening With Bonderized Steel Door, Add	*283.04*
		For Each Opening With Stainless Steel Doors, Add	*707.60*
		For Each Opening With Two Speed Doors, Add	*849.12*
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*
		For Stainless Steel Cab Interior, Add	*7,505.60*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,126.08*
		For Class "C-2" Loading, Add	*3,752.80*
		For Class "C-3" Loading, Add	*5,201.38*
		For Removal Of Existing Stop, Add	*9,907.36*
		For Each Additional Stop, Add	*37,903.19*
		For Each Floor < 6 Stops, Deduct	*-32,576.27*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Removal Of Existing Elevator, Add	*49,536.79*
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 Lb. x 200 FPM, 6 Stops, 6 Openings	439,723.08
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,126.08*
		For Class "C-2" Loading, Add	*3,752.80*
		For Class "C-3" Loading, Add	*5,201.38*
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*
		For Stainless Steel Cab Interior, Add	*8,443.80*
		For Removal Of Existing Stop, Add	*9,907.36*
		For Each Additional Stop, Add	*38,841.39*
		For Each Additional 50 FPM, Add	*5,629.20*
		For Each Opening With Bonderized Steel Door, Add	*281.46*
		For Each Opening With Stainless Steel Doors, Add	*562.92*
		For Each Opening With Two Speed Doors, Add	*703.65*
		For Removal Of Existing Elevator, Add	*49,536.79*
		For Each Floor < 6 Stops, Deduct	*-33,576.27*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 Lb. x 200 FPM, 6 Stops, 6 Openings	450,059.78	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Each Additional Stop, Add	*38,841.39*	
		For Each Additional 50 FPM, Add	*5,629.20*	
		For Each Opening With Bonderized Steel Door, Add	*281.46*	
		For Each Opening With Stainless Steel Doors, Add	*562.92*	
		For Each Opening With Two Speed Doors, Add	*703.65*	
		For Removal Of Existing Elevator, Add	*49,536.79*	
		For Each Floor < 6 Stops, Deduct	*-33,576.27*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 Lb. x 200 FPM, 6 Stops, 6 Openings	464,062.40	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Each Additional Stop, Add	*38,841.39*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*49,536.79*	
		For Each Floor < 6 Stops, Deduct	*-33,576.27*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 Lb. x 200 FPM, 6 Stops, 6 Openings	479,932.72	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Each Additional Stop, Add	*38,841.39*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*49,536.79*	
		For Each Floor < 6 Stops, Deduct	*-33,576.27*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 Lb. x 200 FPM, 6 Stops, 6 Openings	493,550.58	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Class "C-1" Loading, Add	*6,254.04*	
		For Class "C-2" Loading, Add	*7,505.60*	
		For Class "C-3" Loading, Add	*10,267.66*	
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Each Additional Stop, Add	*38,841.39*	
		For Each Opening With Bonderized Steel Door, Add	*375.28*	
		For Each Opening With Stainless Steel Doors, Add	*656.74*	
		For Each Opening With Two Speed Doors, Add	*797.47*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,629.20*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,505.60*	
		For Stainless Steel Cab Interior, Add	*9,382.00*	
		For Removal Of Existing Elevator, Add	*49,536.79*	
		For Each Floor < 6 Stops, Deduct	*-33,576.27*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 Lb. x 200 FPM, 6 Stops, 6 Openings	293,332.05	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For Each Additional Stop, Add	*37,903.19*	
		For Each Floor < 6 Stops, Deduct	*-22,384.19*	
		For Removal Of Existing Elevator, Add	*37,152.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 Lb. x 200 FPM, 6 Stops, 6 Openings	301,055.80	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For Each Additional Stop, Add	*37,903.19*	
		For Each Floor < 6 Stops, Deduct	*-22,384.19*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 Lb. x 200 FPM, 6 Stops, 6 Openings	307,942.54	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For Each Additional Stop, Add	*37,903.19*	
		For Each Floor < 6 Stops, Deduct	*-22,384.19*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 Lb. x 200 FPM, 6 Stops, 6 Openings	312,957.90	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For Each Additional Stop, Add	*37,903.19*	
		For Each Floor < 6 Stops, Deduct	*-22,384.19*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 Lb. x 200 FPM, 6 Stops, 6 Openings	319,467.16	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For Each Additional Stop, Add	*37,903.19*	
		For Each Floor < 6 Stops, Deduct	*-22,384.19*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 Lb. x 200 FPM, 6 Stops, 6 Openings	325,642.07	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For Each Additional Stop, Add	*37,903.19*	
		For Each Floor < 6 Stops, Deduct	*-22,384.19*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 Lb. x 200 FPM, 6 Stops, 6 Openings	331,958.44	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For Each Additional Stop, Add	*37,903.19*	
		For Each Floor < 6 Stops, Deduct	*-22,384.19*	
		For Removal Of Existing Elevator, Add	*37,152.60*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 Lb. x 50 FPM, 3 Stops, 3 Openings	241,796.37	
		For Each Additional Stop, Add	*27,243.31*	
		For 2 Stops, Deduct	*-16,334.45*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 Lb. x 50 FPM, 3 Stops, 3 Openings	249,351.46	
		For Each Additional Stop, Add	*27,243.31*	
		For 2 Stops, Deduct	*-16,334.45*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 Lb. x 50 FPM, 3 Stops, 3 Openings	256,324.44	
		For Each Additional Stop, Add	*27,243.31*	
		For 2 Stops, Deduct	*-16,334.45*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,563.04*	
		For Class "C-2" Loading, Add	*1,876.40*	
		For Class "C-3" Loading, Add	*2,566.92*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 Lb. x 50 FPM, 3 Stops, 3 Openings	263,084.96	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional 50 FPM, Add	*2,830.40*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,658.51*	
		For 2 Stops, Deduct	*-17,334.45*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*24,768.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 Lb. x 50 FPM, 3 Stops, 3 Openings	277,339.54	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,658.51*	
		For 2 Stops, Deduct	*-17,334.45*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 Lb. x 50 FPM, 3 Stops, 3 Openings	284,183.72	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,658.51*	
		For 2 Stops, Deduct	*-17,334.45*	
		For Class "C-1" Loading, Add	*3,126.08*	
		For Class "C-2" Loading, Add	*3,752.80*	
		For Class "C-3" Loading, Add	*5,201.38*	
		For Each Additional 50 FPM, Add	*14,152.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 Lb. x 50 FPM, 3 Stops, 3 Openings	294,424.52	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,658.51*	
		For 2 Stops, Deduct	*-17,334.45*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Each Additional 50 FPM, Add	*15,567.20*	
		For Class "C-1" Loading, Add	*7,815.21*	
		For Class "C-2" Loading, Add	*9,382.00*	
		For Class "C-3" Loading, Add	*12,834.58*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 Lb. x 50 FPM, 3 Stops, 3 Openings	302,060.92	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,658.51*	
		For 2 Stops, Deduct	*-17,334.45*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 Lb. x 50 FPM, 3 Stops, 3 Openings	314,810.88	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*28,658.51*	
		For 2 Stops, Deduct	*-17,334.45*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,691.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,567.40*	
		For Stainless Steel Cab Interior, Add	*8,443.80*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*9,907.36*	
		For Removal Of Existing Elevator, Add	*37,152.60*	
		For Each Additional 50 FPM, Add	*16,982.40*	
		For Class "C-1" Loading, Add	*10,394.32*	
		For Class "C-2" Loading, Add	*12,478.06*	
		For Class "C-3" Loading, Add	*17,069.61*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	103.01	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	122.92	
		Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM, 3 Stops, 3 Openings	166,214.88	
		For Each Additional Stop, Add	*27,243.31*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM, 3 Stops, 3 Openings	169,045.28	
		For Each Additional Stop, Add	*27,243.31*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM, 3 Stops, 3 Openings	170,991.18	
		For Each Additional Stop, Add	*27,243.31*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For 2 Stops, Deduct	*-10,000.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM, 3 Stops, 3 Openings	179,054.26	
		For Each Additional Stop, Add	*27,243.31*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 Lb. x 100 FPM, 3 Stops, 3 Openings	182,347.73	
		For Each Additional Stop, Add	*27,243.31*	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 Lb. x 100 FPM, 3 Stops, 3 Openings	186,487.19	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,658.51*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For 2 Stops, Deduct	*-10,000.00*	
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 Lb. x 100 FPM, 3 Stops, 3 Openings	191,211.69	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Each Opening With Two Speed Doors, Add	*849.12*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,752.80*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*5,629.20*	
		For Stainless Steel Cab Interior, Add	*7,505.60*	
		For Each Additional Stop, Add	*28,658.51*	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF	*333.56*	
		Note: Includes Labor and Equipment.		
		For 12" PVC Liner, Add Per LF	*54.04*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For 12" Steel Liner, Add Per LF	*84.44*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*5,837.70*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Removal Of Existing Stop, Add	*4,953.68*	
		For 2 Stops, Deduct	*-10,000.00*	

14 24 23 00-0009 Twin Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 2 stops (10 feet floor to floor) and 2 openings.

14 24 23 00-0010	EA	Twin Holeless Hydraulic Passenger Elevator, 2,100 Lb. x 100 FPM	142,068.12	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Each Additional Stop, Add	*29,076.03*	
		For An Additional 25 FPM, Add	*2,384.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0011	EA	Twin Holeless Hydraulic Passenger Elevator, 2,500 Lb. x 100 FPM	147,287.07	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Each Additional Stop, Add	*29,076.03*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0012	EA	Twin Holeless Hydraulic Passenger Elevator, 3,000 Lb. x 100 FPM	152,309.87	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Each Additional Stop, Add	*29,076.03*	
		For An Additional 25 FPM, Add	*2,384.61*	
14 24 23 00-0013	EA	Twin Holeless Hydraulic Passenger Elevator, 3,500 Lb. x 100 FPM	175,791.52	
		For Each Opening With Bonderized Steel Door, Add	*283.04*	
		For Each Opening With Stainless Steel Doors, Add	*707.60*	
		For Custom Plastic Laminated Cab Interiors, Add	*3,283.70*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*4,691.00*	
		For Stainless Steel Cab Interior, Add	*5,629.20*	
		For Removal Of Existing Elevator, Add	*24,768.39*	
		For Each Additional Stop, Add	*29,076.03*	
		For An Additional 25 FPM, Add	*2,384.61*	

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 Lb. x 30 FPM, 2 Stops, 2 Openings Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.	103,706.56	
		For Each Additional Stop, Add	*17,750.71*	
		For Removal Of Existing Elevator, Add	*7,430.51*	

14 27 Custom Elevator Cabs and Doors *(14 20)*

14 27 13 Custom Elevator Cab Finishes *(14 27)*

14 27 13 00-0001 Custom Elevator Cab Finish Options *(14 27 13)*

Note: Review elevator task modifiers for additional cab finishes.

14 27 13 00-0002	EA	Intercom Service	1,660.91	

14 27 13 00-0003 Custom Elevator Hall Finish Options *(14 27 13)*

14 27 13 00-0004	EA	Stainless Steel Door, Hall Finishes	1,799.80	
14 27 13 00-0005	EA	Stainless Steel Frames, Hall Finishes	1,891.31	
14 27 13 00-0006	EA	Hall Lantern, Signal Devices	1,025.54	

14 27 16 Custom Elevator Doors *(14 27)*

14 27 16 00-0001 Custom Elevator Door Options *(14 27 16)*

14 27 16 00-0002	EA	Center Opening, 1 Speed Doors	3,998.41	
14 27 16 00-0003	EA	Center Opening, 2 Speed Doors	5,035.57	
14 27 16 00-0004	EA	Rear Opening Doors (Opposite Front)	6,896.38	
14 27 16 00-0005	EA	Side Opening, 2 Speed Doors	10,770.51	
14 27 16 00-0006	EA	Bi-Parting Doors	12,070.09	
14 27 16 00-0007	EA	Power Operated Door And Gate	35,192.88	

14 28 Elevator Equipment and Controls *(14 20)*

14 28 16 Elevator Controls *(14 28)*

14 28 16 00-0001 Passenger Or Freight Elevator Options *(14 28 16)*

14 28 16 00-0002	EA	2 Car Group, Elevator Automatic Controls	9,850.62	1,363.70
14 28 16 00-0003	EA	3 Car Group, Elevator Automatic Controls	14,903.98	2,044.08
14 28 16 00-0004	EA	4 Car Group, Elevator Automatic Controls	22,652.98	2,725.42
14 28 16 00-0005	EA	5 Car Group, Elevator Automatic Controls	31,525.03	3,459.15
14 28 16 00-0006	EA	6 Car Group, Elevator Automatic Controls	43,290.04	4,088.10
14 28 16 00-0007	EA	Duplex Care Selective Collective	9,324.64	
14 28 16 00-0008	EA	Automatic Emergency Power Switching	5,999.60	
14 28 16 00-0009	EA	Manual Emergency Power Switching	1,019.44	
14 28 16 00-0010	EA	Up To 3, Position Indicator, Signal Devices	246.29	
14 28 16 00-0011	EA	>3, Position Indicator, Signal Devices	207.57	
14 28 16 00-0012	EA	High Speed Heavy-Duty Door Opener	3,355.55	
14 28 16 00-0013	EA	Variable Voltage, Overhead Gearless Machine, Minimum	60,306.03	
14 28 16 00-0014	EA	Variable Voltage, Overhead Gearless Machine, Average	98,516.59	

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				TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 28 16 00-0015	EA	Variable Voltage, Overhead Gearless Machine, Maximum		136,543.83	
14 28 16 00-0016	EA	Variable Voltage, Basement Installed Geared Machine, Minimum		25,482.57	
14 28 16 00-0017	EA	Variable Voltage, Basement Installed Geared Machine, Average		31,095.49	
14 28 16 00-0018	EA	Variable Voltage, Basement Installed Geared Machine, Maximum		34,268.01	

14 30 Escalators and Moving Walks *(14)*

14 31 Escalators *(14 30)*

14 31 00 00-0001 Stainless Steel Escalator Construction *(14 31)*

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height		164,265.99	14,477.91
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height		182,075.99	17,110.26
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height		198,313.22	19,742.61
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height		219,322.61	23,691.13
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height		242,146.46	26,323.47
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height		173,694.82	15,399.23
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height		192,895.28	18,426.44
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height		209,119.08	21,058.78
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height		235,791.66	26,455.09
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height		254,019.67	28,429.36
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height		183,556.83	16,320.56
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height		204,482.87	19,742.61
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height		220,316.86	22,374.95
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height		253,406.24	27,902.88
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height		268,936.22	30,535.23
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link		24,141.29	526.47

14 32 Moving Walks *(14 30)*

14 32 00 00-0001 Moving Sidewalks *(14 32)*

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF	Moving Sidewalks, 28" Wide		1,743.85	315.88
		For Each LF Of Ramp Or Sloped Sections, Add		*272.96*	
14 32 00 00-0003	LF	Moving Sidewalks, 36" Wide		2,322.65	322.46
		For Each LF Of Ramp Or Sloped Sections, Add		*387.15*	
14 32 00 00-0004	LF	Moving Sidewalks, 48" Wide		2,617.30	335.63
		For Each LF Of Ramp Or Sloped Sections, Add		*442.92*	
14 32 00 00-0005	LF	Moving Sidewalks, 54" Wide		3,007.84	364.06
		For Each LF Of Ramp Or Sloped Sections, Add		*514.20*	

14 40 Lifts *(14)*

14 41 People Lifts *(14 40)*

14 41 16 Endless-Belt People Lifts *(14 41)*

14 41 16 00-0001 Personnel Lifts Electrically Operated *(14 41 16)*

Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.

14 41 16 00-0002	EA	Personnel Lifts, Electric, 1-2 Person, 3 Stops		29,221.30	
		For An Additional Stop, Add		*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add		*3,506.56*	
14 41 16 00-0003	EA	Personnel Lifts, Electric, 1-2 Person, 5 Stops		30,739.29	
		For An Additional Stop, Add		*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add		*3,688.71*	
14 41 16 00-0004	EA	Personnel Lifts, Electric, 1-2 Person, 7 Stops		32,257.28	
		For An Additional Stop, Add		*834.80*	
		For Tinted Plexiglas Enclosure, Weatherproof, Add		*3,870.87*	

14 41 19 Stairway Chairlifts *(14 41)*

14 41 19 00-0001 Chair Lift-Stair Climber *(14 41 19)*

Note: Includes landing, rails, lifting device and gates.

14 41 19 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.		8,209.53	1,208.85

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Inclined Platform Wheelchair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 Lb. Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.		15,267.93	1,813.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 42 16		**Vertical Wheelchair Lifts** *(14 42)*		
14 42 16 00-0001		Wheelchair Lift (Shorty) *(14 42 16)*		
14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift	10,595.84	846.20
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift	13,031.98	1,057.74
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift	15,534.72	1,375.06
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift	17,454.03	1,586.61
		Note: 1,000 Lb. capacity. Includes handrails and manual ramp.		
		For 2,000 Lb. Capacity, Add	*714.45*	
		For 3,000 Lb. Capacity, Add	*1,193.28*	
		For 4,000 Lb. Capacity, Add	*1,786.12*	
		For Accordion Safety Skirt, Add	*1,193.28*	
		For Removable Handrails, Add	*121.61*	
		For Power Operated Ramp, Add	*1,064.07*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift	18,063.51	755.53
		Note: 500 Lb. capacity, interior installation.		

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001		Trash Chutes *(14 91 82)*		
14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	36.87	4.70
		For Aluminum, Add	*2.79*	
		For Stainless Steel, Add	*9.77*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	47.52	4.70
		For Aluminum, Add	*3.78*	
		For Stainless Steel, Add	*13.22*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	52.42	5.87
		For Aluminum, Add	*4.19*	
		For Stainless Steel, Add	*14.65*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	80.40	5.87
		For Aluminum, Add	*6.90*	
		For Stainless Steel, Add	*24.14*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	794.34	32.85
		For Aluminum, Add	*72.82*	
		For Stainless Steel, Add	*254.88*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	382.64	64.53
		For Aluminum, Add	*25.33*	
		For Stainless Steel, Add	*88.65*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	259.58	70.39
		For Aluminum, Add	*11.08*	
		For Stainless Steel, Add	*38.79*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	68.59	24.63
		For Aluminum, Add	*1.90*	
		For Stainless Steel, Add	*6.65*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	654.55	87.99
		For Aluminum, Add	*46.86*	
		For Stainless Steel, Add	*164.01*	
14 91 82 00-0011	EA	Hopper Doors	1,548.20	75.43

END OF SECTION 14

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration *(21 01 10)*

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).

21 01 10 91-0002	EA	Relocate 1 Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	483.91
21 01 10 91-0003	EA	Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	290.35
21 01 10 91-0004	EA	Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	116.14
21 01 10 91-0005	EA	Relocate >10 Existing Sprinkler Heads And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	58.07

21 01 10 91-0006 Purge And Refill System Sprinkler Piping *(21 01 10 91)*

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	404.54
21 01 10 91-0008	EA	>100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	577.76
21 01 10 91-0009	EA	>250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	692.27
21 01 10 91-0010	EA	>500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	865.34
21 01 10 91-0011	EA	>1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	1,124.94
21 01 10 91-0012	LF	>2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System For Sprinkler Upgrades	0.56
21 01 10 91-0013	EA	Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	566.35
21 01 10 91-0014	EA	>100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	808.87
21 01 10 91-0015	EA	>250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	969.18
21 01 10 91-0016	EA	>500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,211.47
21 01 10 91-0017	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,574.92
21 01 10 91-0018	LF	>2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	0.79
21 01 10 91-0019	EA	Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	778.73
21 01 10 91-0020	EA	>100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,112.20
21 01 10 91-0021	EA	>250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,332.63
21 01 10 91-0022	EA	>500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1,665.77
21 01 10 91-0023	EA	>1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	2,165.51
21 01 10 91-0024	LF	>2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System For Sprinkler Upgrades	1.09
21 01 10 91-0025	EA	Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,051.30
21 01 10 91-0026	EA	>100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,501.46
21 01 10 91-0027	EA	>250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,593.97
21 01 10 91-0028	EA	>500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1,992.45
21 01 10 91-0029	EA	>1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	2,590.20
21 01 10 91-0030	LF	>2,000', >6" To 10" Diameter Main Piping, Purge Liquid System For Sprinkler Upgrades	1.29

21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

21 01 30 91 Fire-Suppression Equipment Restoration *(21 01 30)*

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	208.08
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	3.00
21 01 30 91-0004	EA	Inspection, Halon 1301	208.08
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	71.96
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	125.82
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	67.46
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	125.82
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	6.00
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	38.72
21 01 30 91-0011	EA	Disarm/Arm System	67.75

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements for Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	47.84	12.19
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	49.77	12.19
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	58.77	12.19
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	62.47	12.19
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	66.17	12.19

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	9,922.34	192.39
		For >25, Deduct	*-1,464.27*	
		For >10 To 25, Deduct	*-496.12*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	20,294.08	322.53
		For >25, Deduct	*-3,003.69*	
		For >10 To 25, Deduct	*-1,014.70*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	27,477.16	466.84
		For >25, Deduct	*-4,063.01*	
		For >10 To 25, Deduct	*-1,373.86*	
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	35,851.37	596.52
		For >25, Deduct	*-5,303.60*	
		For >10 To 25, Deduct	*-1,792.57*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	50,594.14	726.19
		For >25, Deduct	*-7,498.35*	
		For >10 To 25, Deduct	*-2,529.71*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping *(21 05)*

See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.

21 05 23 00-0001 Globe Valves *(21 05 23)*

21 05 23 00-0002 Threaded, 125 Lb., Bronze Body, Angle Globe Valves *(21 05 23 00-0001)*

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	66.74	12.29
21 05 23 00-0004	EA	3/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	85.07	12.90
21 05 23 00-0005	EA	1" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	117.04	12.90
21 05 23 00-0006	EA	1-1/4" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	176.00	16.35
21 05 23 00-0007	EA	1-1/2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD	207.11	18.92
21 05 23 00-0008	EA	2" Diameter Threaded, 125 Lb., Bronze Body, Angle Globe Valve (Kennedy 98SD)	245.35	22.36

21 05 23 00-0009 Butterfly Valves *(21 05 23)*

21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0011	EA	2-1/2" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	526.03	20.03
21 05 23 00-0012	EA	3" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	577.90	24.00
21 05 23 00-0013	EA	4" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	606.29	31.58
21 05 23 00-0014	EA	6" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	861.35	51.72
21 05 23 00-0015	EA	8" Diameter, Butterfly Valve, Grooved, With Standard Trim (NIBCO GD-4765-8N)	1,239.86	72.77

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0017	EA	2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	528.20	16.18
21 05 23 00-0018	EA	2-1/2" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	538.03	20.03
21 05 23 00-0019	EA	3" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	593.90	24.00
21 05 23 00-0020	EA	4" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	616.28	31.58
21 05 23 00-0021	EA	6" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	859.35	51.72
21 05 23 00-0022	EA	8" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	1,277.85	72.77
21 05 23 00-0023	EA	10" Diameter, Butterfly Valve, Grooved, Wafer Type, With Standard Trim (NIBCO WD-3510)	1,978.14	98.35

21 05 23 00-0024 Check Valves *(21 05 23)*

21 05 23 00-0025 Bronze Body, Threaded, 150 Lb., Swing Check Valves *(21 05 23 00-0024)*

21 05 23 00-0026	EA	1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	233.93	12.29
21 05 23 00-0027	EA	3/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	276.44	12.90
21 05 23 00-0028	EA	1" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	378.00	12.90
21 05 23 00-0029	EA	1-1/4" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	503.34	16.35
21 05 23 00-0030	EA	1-1/2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	659.60	18.92
21 05 23 00-0031	EA	2" Diameter, Swing Check Valve, Bronze, Threaded, 150 Lb. (NIBCO T-433-Y)	962.74	22.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0032		**Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0033	EA	2-1/2" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,245.95	164.09
21 05 23 00-0034	EA	3" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,413.36	192.39
21 05 23 00-0035	EA	4" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,959.26	322.53
21 05 23 00-0036	EA	6" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,969.84	386.42
21 05 23 00-0037	EA	8" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	4,752.04	493.76
21 05 23 00-0038	EA	10" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	7,576.25	601.09
21 05 23 00-0039	EA	12" Diameter Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	10,613.72	729.89
21 05 23 00-0040		**Iron Body Wafer Type Check Valve** *(21 05 23 00-0024)*		
21 05 23 00-0041	EA	2-1/2" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	964.34	164.18
21 05 23 00-0042	EA	3" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,110.12	192.49
21 05 23 00-0043	EA	4" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	1,298.78	322.70
21 05 23 00-0044	EA	6" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	2,145.13	452.91
21 05 23 00-0045	EA	8" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	3,194.23	520.84
21 05 23 00-0046	EA	10" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	4,705.05	56.61
21 05 23 00-0047	EA	12" Diameter, Check Valve, Twin Disc, Iron Body Wafer Type (NIBCO KW-900-W)	6,452.66	769.94
21 05 23 00-0048		**Grooved End, Check Valves** *(21 05 23 00-0024)*		
21 05 23 00-0049	EA	2-1/2" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	467.13	20.37
21 05 23 00-0050	EA	3" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	472.63	24.11
21 05 23 00-0051	EA	4" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	501.61	31.69
21 05 23 00-0052	EA	6" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	1,491.38	51.72
21 05 23 00-0053	EA	8" Diameter, Check Valve, Grooved (Victaulic FireLock® 717)	2,072.15	72.77
21 05 23 00-0054		**Gate Valves** *(21 05 23)*		
21 05 23 00-0055		**Threaded, Bronze Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0056	EA	1" Diameter Threaded, Bronze Gate Valve (Crane 459)	728.47	15.36
21 05 23 00-0057	EA	1-1/4" Diameter Threaded, Bronze Gate Valve (Crane 459)	890.65	16.35
21 05 23 00-0058	EA	1-1/2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,059.63	18.92
21 05 23 00-0059	EA	2" Diameter Threaded, Bronze Gate Valve (Crane 459)	1,322.07	22.36
21 05 23 00-0060		**Flanged, Cast Iron Body, Bronze Trim Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,718.23	164.09
21 05 23 00-0062	EA	3" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,024.67	192.39
21 05 23 00-0063	EA	4" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,798.30	322.53
21 05 23 00-0064	EA	6" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,209.78	386.42
21 05 23 00-0065	EA	8" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	6,255.18	493.76
21 05 23 00-0066	EA	10" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	11,585.75	601.09
21 05 23 00-0067	EA	12" Diameter, Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	15,807.08	729.89
21 05 23 00-0068		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,014.18	164.09
21 05 23 00-0070	EA	3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,510.72	192.39
21 05 23 00-0071	EA	4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,150.38	322.53
21 05 23 00-0072	EA	6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	5,350.40	386.42
21 05 23 00-0073	EA	8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	8,046.83	493.76
21 05 23 00-0074	EA	10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	11,700.27	601.09
21 05 23 00-0075	EA	12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	15,166.41	729.89
21 05 23 00-0076		**Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves** *(21 05 23 00-0054)* Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,811.07	192.39
21 05 23 00-0078	EA	4" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	3,475.27	322.53
21 05 23 00-0079	EA	6" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	4,461.72	386.42
21 05 23 00-0080	EA	8" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	6,799.74	493.76
21 05 23 00-0081	EA	10" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	10,367.25	601.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0082	EA	12" Diameter, Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	13,065.01	729.89
21 05 23 00-0083		Ball Valves *(21 05 23)*		
21 05 23 00-0084		Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)*		
21 05 23 00-0085	EA	1" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	472.41	15.36
21 05 23 00-0086	EA	1-1/4" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	515.65	16.35
21 05 23 00-0087	EA	1-1/2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	609.66	18.92
21 05 23 00-0088	EA	2" Diameter Threaded, 125 Lb., Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	733.57	22.36
21 05 23 00-0089		TESTanDRAIN® Valve *(21 05 23)*		
21 05 23 00-0090	EA	1/4" Diameter, 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	240.97	14.04
21 05 23 00-0091	EA	1" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	271.79	16.97
21 05 23 00-0092	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	332.03	21.45
21 05 23 00-0093	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	521.41	24.77
21 05 23 00-0094	EA	2" Diameter Threaded, TESTanDRAIN® Valve (AGF 1000)	546.93	29.26
21 05 23 00-0095	EA	1" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	384.49	16.97
21 05 23 00-0096	EA	1-1/4" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	443.64	21.45
21 05 23 00-0097	EA	1-1/2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	636.41	24.77
21 05 23 00-0098	EA	2" Diameter Threaded, TESTanDRAIN® Valve With Relief Valve (AGF 1011)	664.99	29.26

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0927 for CPVC pipe, 23 05 23 00-0037 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001		Fire Department Connections *(21 11 19)*		
21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,022.80	314.04
		For Polished Chrome, Add	*68.38*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,432.31	392.55
		For Polished Chrome, Add	*104.67*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,536.56	314.04
		For Polished Chrome, Add	*132.58*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	2,035.19	392.55
		For Polished Chrome, Add	*180.03*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	2,182.56	392.55
		For Polished Chrome, Add	*198.45*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,853.58	415.46
		For Polished Chrome, Add	*153.05*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	1,178.25	314.04
		For Polished Chrome, Add	*87.81*	
21 11 19 00-0009		Wall Type Indicator Post, Wheel Operated *(21 11 19)*		
		See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	3,003.67	322.53
21 11 19 00-0011		Upright Indicator Post, Wheel Operated *(21 11 19)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774)	7,216.31	322.53

21 12 Fire-Suppression Standpipes *(21 10)*

See CSI section 23 21 13 23-0000 for black steel pipe.

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.53	1.94
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.95	1.94
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.68	1.94
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.14	1.94
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	2.86	1.94
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.56	1.94
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	2.96	1.94
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 Lb. Test With 1-1/2" Rubber Lining Without Couplings	3.78	1.94

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	7.79	1.07
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	9.84	1.26
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	17.28	1.26

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	168.44	31.94
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	261.13	35.81
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	88.55	25.17
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	181.14	25.17
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	143.02	25.17
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	207.79	25.17
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	300.38	106.46
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	427.85	106.46

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Diameter, Fire Department Valve, Polished Brass With Plug And Chain	935.26	207.74
		For Polished Chrome, Add	*93.10*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	1,669.93	207.64
		For Polished Chrome, Add	*203.30*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	2,209.70	224.60
		For Polished Chrome, Add	*280.40*	
21 12 23 00-0005	EA	3" x 3" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	2,728.61	207.64
		For Polished Chrome, Add	*362.10*	
21 12 23 00-0006	EA	3" x 3" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	3,230.03	224.60
		For Polished Chrome, Add	*433.45*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	1,557.41	207.64
		For Polished Chrome, Add	*186.42*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	2,386.15	224.60
		For Polished Chrome, Add	*306.86*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Flush, Polished Brass	3,150.50	214.36
		For Polished Chrome, Add	*339.09*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Flush, Polished Brass	4,599.45	238.16
		For Polished Chrome, Add	*508.63*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Diameter, Fire Department Valve, Projecting, Polished Brass	3,403.66	214.36
		For Polished Chrome, Add	*369.46*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Diameter, Fire Department Valve, Projecting, Polished Brass	4,980.88	238.16
		For Polished Chrome, Add	*554.40*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Diameter, Fire Department Valve, Square, Flush, Polished Brass	7,687.73	285.76
		For Polished Chrome, Add	*725.47*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	223.74	26.13
21 12 23 00-0016	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	270.15	26.13
21 12 23 00-0017	EA	1-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	253.27	26.13
21 12 23 00-0018	EA	1-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	299.68	26.13
21 12 23 00-0019	EA	2-1/2" Diameter, 300 Lb. Rated, Cast Brass, Fire Hose Angle Valve	399.93	43.55
21 12 23 00-0020	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Brass, Fire Hose Angle Valve	467.42	43.55
21 12 23 00-0021	EA	2-1/2" Diameter, 300 Lb. Rated, Rough Chrome Plated, Fire Hose Angle Valve	473.05	43.55
21 12 23 00-0022	EA	2-1/2" Diameter, 300 Lb. Rated, Polished Chrome Plated, Fire Hose Angle Valve	540.55	43.55

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	2,754.09	514.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 29 00-0003	EA	Water Motor Gong	965.08	149.15
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	864.70	17.35
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	242.33	29.68

21 12 29 00-0006 Water Flow Detector *(21 12 29)*

21 12 29 00-0007 Pressure-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	373.10	91.33
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	544.00	121.02
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Diameter Pipe	872.13	137.00

21 12 29 00-0011 Vane-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Diameter Pipe	476.14	91.33
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Diameter Pipe	670.23	121.02
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Diameter Pipe	1,072.23	137.00

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies *(21 13 13)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc.) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	659.15
		For Copper Pipe, Add	*83.36*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-116.32*
		For Up To 5, Add	*294.69*
		For >5 To 10, Add	*178.37*
		For >10 To 20, Add	*112.46*
		For >20 To 40, Add	*48.47*
		For >100 To 150, Deduct	*-65.92*
		For >150, Deduct	*-131.83*
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	834.30
		For Copper Pipe, Add	*102.30*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-144.01*
		For Up To 5, Add	*379.41*
		For >5 To 10, Add	*235.40*
		For >10 To 20, Add	*151.97*
		For >20 To 40, Add	*64.56*
		For >100 To 150, Deduct	*-83.43*
		For >150, Deduct	*-166.86*
		For Work In Restricted Working Space, Add	*137.07*

21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	644.63
		For Copper Pipe, Add	*81.37*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-113.60*
		For Up To 5, Add	*288.51*
		For >5 To 10, Add	*174.91*
		For >10 To 20, Add	*110.45*
		For >20 To 40, Add	*47.56*
		For >100 To 150, Deduct	*-64.46*
		For >150, Deduct	*-128.93*
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	813.43
		For Copper Pipe, Add	*99.47*
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-140.14*
		For Up To 5, Add	*370.46*
		For >5 To 10, Add	*230.32*
		For >10 To 20, Add	*148.98*
		For >20 To 40, Add	*63.22*
		For >100 To 150, Deduct	*-81.34*
		For >150, Deduct	*-162.69*
		For Work In Restricted Working Space, Add	*135.27*

21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies *(21 13 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	595.12	
		For Copper Pipe, Add	*74.99*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-104.75*	
		For Up To 5, Add	*266.60*	
		For >5 To 10, Add	*161.85*	
		For >10 To 20, Add	*102.34*	
		For >20 To 40, Add	*44.03*	
		For >100 To 150, Deduct	*-59.51*	
		For >150, Deduct	*-119.02*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	752.61	
		For Copper Pipe, Add	*91.89*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-129.52*	
		For Up To 5, Add	*343.05*	
		For >5 To 10, Add	*213.53*	
		For >10 To 20, Add	*138.27*	
		For >20 To 40, Add	*58.63*	
		For >100 To 150, Deduct	*-75.26*	
		For >150, Deduct	*-150.52*	
		For Work In Restricted Working Space, Add	*126.01*	
21 13 13 00-0011		Wet Pipe Sprinkler Components *(21 13 13)* Note: Excludes hydraulic calculations.		
21 13 13 00-0012		Wet Pipe Alarm Check Valves *(21 13 13 00-0011)* Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA	2-1/2" Diameter, Wet Pipe Alarm Check Valve	1,997.28	125.58
21 13 13 00-0014	EA	3" Diameter, Wet Pipe Alarm Check Valve	2,033.81	143.85
21 13 13 00-0015	EA	4" Diameter, Wet Pipe Alarm Check Valve	2,234.76	244.33
21 13 13 00-0016	EA	6" Diameter, Wet Pipe Alarm Check Valve	2,121.80	308.26
21 13 13 00-0017	EA	8" Diameter, Wet Pipe Alarm Check Valve	3,868.83	390.46
21 13 13 00-0018		Wet Pipe Valve Trim *(21 13 13 00-0011)* Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Diameter, Wet Pipe Valve Trim	1,329.54	265.79
21 13 13 00-0020	EA	3" Diameter, Wet Pipe Valve Trim	1,401.94	265.79
21 13 13 00-0021	EA	4" Diameter, Wet Pipe Valve Trim	1,697.11	364.43
21 13 13 00-0022	EA	6" Diameter, Wet Pipe Valve Trim	2,006.98	506.91
21 13 13 00-0023	EA	8" Diameter, Wet Pipe Valve Trim	2,207.93	627.47
21 13 13 00-0024		Wet Pipe Sprinkler Heads *(21 13 13 00-0011)*		
21 13 13 00-0025		Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		
21 13 13 00-0026	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0027	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0028	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0029	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	84.03	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 500, Deduct	*-11.59*	
		For >500 To 1,000, Deduct	*-22.53*	
		For >1,000, Deduct	*-31.24*	
21 13 13 00-0030	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	88.11	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 500, Deduct	*-12.10*	
		For >500 To 1,000, Deduct	*-23.26*	
		For >1,000, Deduct	*-31.97*	
21 13 13 00-0031	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	90.71	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.71*	
		For >100 To 500, Deduct	*-12.43*	
		For >500 To 1,000, Deduct	*-23.73*	
		For >1,000, Deduct	*-32.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0032	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.71	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.86*	
21 13 13 00-0033	EA	1/2" Diameter NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.23	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-16.12*	
		For >500 To 1,000, Deduct	*-29.04*	
		For >1,000, Deduct	*-37.75*	
21 13 13 00-0034	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	109.71	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.66*	
		For >100 To 500, Deduct	*-14.80*	
		For >500 To 1,000, Deduct	*-27.15*	
		For >1,000, Deduct	*-35.86*	
21 13 13 00-0035	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	120.23	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.19*	
		For >100 To 500, Deduct	*-16.12*	
		For >500 To 1,000, Deduct	*-29.04*	
		For >1,000, Deduct	*-37.75*	
21 13 13 00-0036	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	96.10	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 500, Deduct	*-13.10*	
		For >500 To 1,000, Deduct	*-24.70*	
		For >1,000, Deduct	*-33.41*	
21 13 13 00-0037	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	101.24	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.74*	
		For >500 To 1,000, Deduct	*-25.63*	
		For >1,000, Deduct	*-34.34*	
21 13 13 00-0038	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	95.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000, Deduct	*-35.05*	
21 13 13 00-0039	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	
21 13 13 00-0040	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	102.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.02*	
		For >500 To 1,000, Deduct	*-26.67*	
		For >1,000, Deduct	*-36.35*	
21 13 13 00-0041	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	95.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000, Deduct	*-35.05*	
21 13 13 00-0042	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	
21 13 13 00-0043	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	102.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.02*	
		For >500 To 1,000, Deduct	*-26.67*	
		For >1,000, Deduct	*-36.35*	
21 13 13 00-0044	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0045	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0046	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0047	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0048	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0049	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0050	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	98.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.05*	
		For >1,000, Deduct	*-33.76*	
21 13 13 00-0051	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	137.30	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-9.28*	
		For >100 To 500, Deduct	*-18.37*	
		For >500 To 1,000, Deduct	*-32.94*	
		For >1,000, Deduct	*-42.62*	
21 13 13 00-0052	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	141.81	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-18.94*	
		For >500 To 1,000, Deduct	*-33.75*	
		For >1,000, Deduct	*-43.43*	
21 13 13 00-0053	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	141.81	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-9.51*	
		For >100 To 500, Deduct	*-18.94*	
		For >500 To 1,000, Deduct	*-33.75*	
		For >1,000, Deduct	*-43.43*	
21 13 13 00-0054	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	106.87	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.76*	
		For >100 To 500, Deduct	*-14.57*	
		For >500 To 1,000, Deduct	*-27.46*	
		For >1,000, Deduct	*-37.14*	
21 13 13 00-0055	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0056	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0057	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-20.42*	
		For >100 To 500, Deduct	*-46.71*	
		For >500 To 1,000, Deduct	*-73.09*	
		For >1,000, Deduct	*-81.80*	
21 13 13 00-0058	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	401.64	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-22.50*	
		For >100 To 500, Deduct	*-51.41*	
		For >500 To 1,000, Deduct	*-80.52*	
		For >1,000, Deduct	*-90.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0059	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	184.28	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.39*	
		For >100 To 500, Deduct	*-24.12*	
		For >500 To 1,000, Deduct	*-40.57*	
		For >1,000, Deduct	*-49.28*	
21 13 13 00-0060	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	231.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-13.75*	
		For >100 To 500, Deduct	*-30.01*	
		For >500 To 1,000, Deduct	*-49.05*	
		For >1,000, Deduct	*-57.76*	
21 13 13 00-0061	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	428.17	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-23.59*	
		For >100 To 500, Deduct	*-54.61*	
		For >500 To 1,000, Deduct	*-84.47*	
		For >1,000, Deduct	*-93.18*	
21 13 13 00-0062	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	550.83	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-29.72*	
		For >100 To 500, Deduct	*-69.94*	
		For >500 To 1,000, Deduct	*-106.55*	
		For >1,000, Deduct	*-115.26*	
21 13 13 00-0063	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	236.19	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.23*	
		For >100 To 500, Deduct	*-30.73*	
		For >500 To 1,000, Deduct	*-50.74*	
		For >1,000, Deduct	*-60.42*	
21 13 13 00-0064	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	237.61	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.30*	
		For >100 To 500, Deduct	*-30.91*	
		For >500 To 1,000, Deduct	*-51.00*	
		For >1,000, Deduct	*-60.67*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0066	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0067	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0068	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0069	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	96.63	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.25*	
		For >100 To 500, Deduct	*-13.29*	
		For >500 To 1,000, Deduct	*-25.62*	
		For >1,000, Deduct	*-35.30*	
21 13 13 00-0070	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	
21 13 13 00-0071	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	101.94	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.52*	
		For >100 To 500, Deduct	*-13.95*	
		For >500 To 1,000, Deduct	*-26.58*	
		For >1,000, Deduct	*-36.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0072	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-20.42*	
		For >100 To 500, Deduct	*-46.71*	
		For >500 To 1,000, Deduct	*-73.09*	
		For >1,000, Deduct	*-81.80*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0075	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0076	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0077	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	95.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.18*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-25.37*	
		For >1,000, Deduct	*-35.05*	
21 13 13 00-0078	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	101.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.48*	
		For >100 To 500, Deduct	*-13.86*	
		For >500 To 1,000, Deduct	*-26.45*	
		For >1,000, Deduct	*-36.13*	
21 13 13 00-0079	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	102.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.54*	
		For >100 To 500, Deduct	*-14.02*	
		For >500 To 1,000, Deduct	*-26.67*	
		For >1,000, Deduct	*-36.35*	
21 13 13 00-0080	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0081	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0082	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0083	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0084	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0085	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0086	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	93.39	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.85*	
		For >100 To 500, Deduct	*-12.76*	
		For >500 To 1,000, Deduct	*-24.21*	
		For >1,000, Deduct	*-32.92*	
21 13 13 00-0087	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	97.31	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.04*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-24.92*	
		For >1,000, Deduct	*-33.63*	
21 13 13 00-0088	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	98.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.06*	
		For >1,000, Deduct	*-33.77*	
21 13 13 00-0089	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	82.06	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.28*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.17*	
		For >1,000, Deduct	*-30.88*	
21 13 13 00-0090	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	85.99	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.84*	
		For >500 To 1,000, Deduct	*-22.88*	
		For >1,000, Deduct	*-31.59*	
21 13 13 00-0091	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	88.49	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.60*	
		For >100 To 500, Deduct	*-12.15*	
		For >500 To 1,000, Deduct	*-23.33*	
		For >1,000, Deduct	*-32.04*	
21 13 13 00-0092	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	84.04	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 500, Deduct	*-11.59*	
		For >500 To 1,000, Deduct	*-22.53*	
		For >1,000, Deduct	*-31.24*	
21 13 13 00-0093	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	86.81	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.52*	
		For >100 To 500, Deduct	*-11.94*	
		For >500 To 1,000, Deduct	*-23.03*	
		For >1,000, Deduct	*-31.74*	
21 13 13 00-0094	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	89.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.64*	
		For >100 To 500, Deduct	*-12.26*	
		For >500 To 1,000, Deduct	*-23.48*	
		For >1,000, Deduct	*-32.19*	
21 13 13 00-0095	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	98.94	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.58*	
		For >500 To 1,000, Deduct	*-26.04*	
		For >1,000, Deduct	*-35.71*	
21 13 13 00-0096	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	104.02	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-26.95*	
		For >1,000, Deduct	*-36.63*	
21 13 13 00-0097	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	104.02	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.21*	
		For >500 To 1,000, Deduct	*-26.95*	
		For >1,000, Deduct	*-36.63*	
21 13 13 00-0098	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	96.10	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 500, Deduct	*-13.10*	
		For >500 To 1,000, Deduct	*-24.70*	
		For >1,000, Deduct	*-33.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0099	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	101.24	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.74*	
		For >500 To 1,000, Deduct	*-25.63*	
		For >1,000, Deduct	*-34.34*	
21 13 13 00-0100	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	108.93	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.71*	
		For >500 To 1,000, Deduct	*-27.01*	
		For >1,000, Deduct	*-35.72*	
21 13 13 00-0101	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0102	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	108.93	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-14.71*	
		For >500 To 1,000, Deduct	*-27.01*	
		For >1,000, Deduct	*-35.72*	
21 13 13 00-0103	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0104	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	89.47	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 500, Deduct	*-12.27*	
		For >500 To 1,000, Deduct	*-23.51*	
		For >1,000, Deduct	*-32.22*	
21 13 13 00-0105	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	93.88	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.87*	
		For >100 To 500, Deduct	*-12.82*	
		For >500 To 1,000, Deduct	*-24.30*	
		For >1,000, Deduct	*-33.01*	
21 13 13 00-0106	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	96.19	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 500, Deduct	*-13.11*	
		For >500 To 1,000, Deduct	*-24.72*	
		For >1,000, Deduct	*-33.43*	
21 13 13 00-0107	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	97.09	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.27*	
		For >100 To 500, Deduct	*-13.35*	
		For >500 To 1,000, Deduct	*-25.70*	
		For >1,000, Deduct	*-35.38*	
21 13 13 00-0108	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	101.45	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 500, Deduct	*-13.89*	
		For >500 To 1,000, Deduct	*-26.49*	
		For >1,000, Deduct	*-36.17*	
21 13 13 00-0109	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	105.67	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 500, Deduct	*-14.42*	
		For >500 To 1,000, Deduct	*-27.25*	
		For >1,000, Deduct	*-36.92*	
21 13 13 00-0110	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	91.96	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 500, Deduct	*-12.58*	
		For >500 To 1,000, Deduct	*-23.96*	
		For >1,000, Deduct	*-32.67*	
21 13 13 00-0111	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	96.28	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.99*	
		For >100 To 500, Deduct	*-13.12*	
		For >500 To 1,000, Deduct	*-24.73*	
		For >1,000, Deduct	*-33.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0112	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	98.64	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.11*	
		For >100 To 500, Deduct	*-13.42*	
		For >500 To 1,000, Deduct	*-25.16*	
		For >1,000, Deduct	*-33.87*	
21 13 13 00-0113	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	98.94	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.58*	
		For >500 To 1,000, Deduct	*-26.04*	
		For >1,000, Deduct	*-35.71*	
21 13 13 00-0114	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	103.48	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.59*	
		For >100 To 500, Deduct	*-14.14*	
		For >500 To 1,000, Deduct	*-26.85*	
		For >1,000, Deduct	*-36.53*	
21 13 13 00-0115	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	107.87	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.81*	
		For >100 To 500, Deduct	*-14.69*	
		For >500 To 1,000, Deduct	*-27.64*	
		For >1,000, Deduct	*-37.32*	
21 13 13 00-0116	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	160.72	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-10.21*	
		For >100 To 500, Deduct	*-21.18*	
		For >500 To 1,000, Deduct	*-36.33*	
		For >1,000, Deduct	*-45.04*	
21 13 13 00-0117	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	160.72	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-10.21*	
		For >100 To 500, Deduct	*-21.18*	
		For >500 To 1,000, Deduct	*-36.33*	
		For >1,000, Deduct	*-45.04*	
21 13 13 00-0118	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	111.38	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.99*	
		For >100 To 500, Deduct	*-15.13*	
		For >500 To 1,000, Deduct	*-28.27*	
		For >1,000, Deduct	*-37.95*	
21 13 13 00-0119	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	114.71	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-8.16*	
		For >100 To 500, Deduct	*-15.55*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-38.55*	
21 13 13 00-0120	EA	3/4" Diameter NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	114.71	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-8.16*	
		For >100 To 500, Deduct	*-15.55*	
		For >500 To 1,000, Deduct	*-28.87*	
		For >1,000, Deduct	*-38.55*	
21 13 13 00-0121	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	106.87	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.76*	
		For >100 To 500, Deduct	*-14.57*	
		For >500 To 1,000, Deduct	*-27.46*	
		For >1,000, Deduct	*-37.14*	
21 13 13 00-0122	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0123	EA	3/4" Diameter NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	109.96	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.92*	
		For >100 To 500, Deduct	*-14.95*	
		For >500 To 1,000, Deduct	*-28.02*	
		For >1,000, Deduct	*-37.70*	
21 13 13 00-0124	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	364.94	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-20.42*	
		For >100 To 500, Deduct	*-46.71*	
		For >500 To 1,000, Deduct	*-73.09*	
		For >1,000, Deduct	*-81.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0125	EA	3/4" Diameter NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	401.64	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-22.50*	
		For >100 To 500, Deduct	*-51.41*	
		For >500 To 1,000, Deduct	*-80.52*	
		For >1,000, Deduct	*-90.20*	
21 13 13 00-0126	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	184.28	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.39*	
		For >100 To 500, Deduct	*-24.12*	
		For >500 To 1,000, Deduct	*-40.57*	
		For >1,000, Deduct	*-49.28*	
21 13 13 00-0127	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	231.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-13.75*	
		For >100 To 500, Deduct	*-30.01*	
		For >500 To 1,000, Deduct	*-49.05*	
		For >1,000, Deduct	*-57.76*	
21 13 13 00-0128	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	428.17	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-23.59*	
		For >100 To 500, Deduct	*-54.61*	
		For >500 To 1,000, Deduct	*-84.47*	
		For >1,000, Deduct	*-93.18*	
21 13 13 00-0129	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	550.83	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-29.72*	
		For >100 To 500, Deduct	*-69.94*	
		For >500 To 1,000, Deduct	*-106.55*	
		For >1,000, Deduct	*-115.26*	
21 13 13 00-0130	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	236.19	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.23*	
		For >100 To 500, Deduct	*-30.73*	
		For >500 To 1,000, Deduct	*-50.74*	
		For >1,000, Deduct	*-60.42*	
21 13 13 00-0131	EA	3/4" Diameter NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	237.61	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-14.30*	
		For >100 To 500, Deduct	*-30.91*	
		For >500 To 1,000, Deduct	*-51.00*	
		For >1,000, Deduct	*-60.67*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	87.93	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 500, Deduct	*-12.08*	
		For >500 To 1,000, Deduct	*-23.23*	
		For >1,000, Deduct	*-31.94*	
21 13 13 00-0135	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	91.07	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 500, Deduct	*-12.47*	
		For >500 To 1,000, Deduct	*-23.80*	
		For >1,000, Deduct	*-32.51*	
21 13 13 00-0136	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	96.04	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 500, Deduct	*-13.09*	
		For >500 To 1,000, Deduct	*-24.69*	
		For >1,000, Deduct	*-33.40*	
21 13 13 00-0137	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	89.70	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.66*	
		For >100 To 500, Deduct	*-12.30*	
		For >500 To 1,000, Deduct	*-23.55*	
		For >1,000, Deduct	*-32.26*	
21 13 13 00-0138	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	92.90	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.82*	
		For >100 To 500, Deduct	*-12.70*	
		For >500 To 1,000, Deduct	*-24.13*	
		For >1,000, Deduct	*-32.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0139	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	97.97	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-13.34*	
		For >500 To 1,000, Deduct	*-25.04*	
		For >1,000, Deduct	*-33.75*	
21 13 13 00-0140	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	101.24	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.24*	
		For >100 To 500, Deduct	*-13.74*	
		For >500 To 1,000, Deduct	*-25.63*	
		For >1,000, Deduct	*-34.34*	
21 13 13 00-0141	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	106.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.50*	
		For >100 To 500, Deduct	*-14.38*	
		For >500 To 1,000, Deduct	*-26.55*	
		For >1,000, Deduct	*-35.26*	
21 13 13 00-0142	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	108.67	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 500, Deduct	*-14.79*	
		For >500 To 1,000, Deduct	*-27.79*	
		For >1,000, Deduct	*-37.46*	
21 13 13 00-0143	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	116.34	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-8.24*	
		For >100 To 500, Deduct	*-15.75*	
		For >500 To 1,000, Deduct	*-29.17*	
		For >1,000, Deduct	*-38.85*	
21 13 13 00-0144	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.27	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.79*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-27.61*	
		For >1,000, Deduct	*-36.32*	
21 13 13 00-0145	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0146	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	112.27	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.79*	
		For >100 To 500, Deduct	*-15.12*	
		For >500 To 1,000, Deduct	*-27.61*	
		For >1,000, Deduct	*-36.32*	
21 13 13 00-0147	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	117.35	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-28.53*	
		For >1,000, Deduct	*-37.24*	
21 13 13 00-0148	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	85.25	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 500, Deduct	*-11.75*	
		For >500 To 1,000, Deduct	*-22.75*	
		For >1,000, Deduct	*-31.46*	
21 13 13 00-0149	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	87.85	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.57*	
		For >100 To 500, Deduct	*-12.07*	
		For >500 To 1,000, Deduct	*-23.22*	
		For >1,000, Deduct	*-31.93*	
21 13 13 00-0150	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	91.08	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 500, Deduct	*-12.47*	
		For >500 To 1,000, Deduct	*-23.80*	
		For >1,000, Deduct	*-32.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0151	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	93.14	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-12.85*	
		For >500 To 1,000, Deduct	*-24.99*	
		For >1,000, Deduct	*-34.67*	
21 13 13 00-0152	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	95.92	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.22*	
		For >100 To 500, Deduct	*-13.20*	
		For >500 To 1,000, Deduct	*-25.49*	
		For >1,000, Deduct	*-35.17*	
21 13 13 00-0153	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	98.93	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.37*	
		For >100 To 500, Deduct	*-13.58*	
		For >500 To 1,000, Deduct	*-26.03*	
		For >1,000, Deduct	*-35.71*	
21 13 13 00-0154	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	95.34	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.19*	
		For >100 To 500, Deduct	*-13.13*	
		For >500 To 1,000, Deduct	*-25.39*	
		For >1,000, Deduct	*-35.07*	
21 13 13 00-0155	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	98.23	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.33*	
		For >100 To 500, Deduct	*-13.49*	
		For >500 To 1,000, Deduct	*-25.91*	
		For >1,000, Deduct	*-35.59*	
21 13 13 00-0156	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	101.36	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 500, Deduct	*-13.88*	
		For >500 To 1,000, Deduct	*-26.47*	
		For >1,000, Deduct	*-36.15*	
21 13 13 00-0157	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	101.41	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.49*	
		For >100 To 500, Deduct	*-13.89*	
		For >500 To 1,000, Deduct	*-26.48*	
		For >1,000, Deduct	*-36.16*	
21 13 13 00-0158	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	105.68	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 500, Deduct	*-14.42*	
		For >500 To 1,000, Deduct	*-27.25*	
		For >1,000, Deduct	*-36.93*	
21 13 13 00-0159	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	105.68	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-7.70*	
		For >100 To 500, Deduct	*-14.42*	
		For >500 To 1,000, Deduct	*-27.25*	
		For >1,000, Deduct	*-36.93*	
21 13 13 00-0160	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	189.02	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 500, Deduct	*-24.72*	
		For >500 To 1,000, Deduct	*-41.43*	
		For >1,000, Deduct	*-50.14*	
21 13 13 00-0161	EA	1/2" Diameter NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	189.02	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-11.63*	
		For >100 To 500, Deduct	*-24.72*	
		For >500 To 1,000, Deduct	*-41.43*	
		For >1,000, Deduct	*-50.14*	
21 13 13 00-0162	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 500, Deduct	*-11.88*	
		For >500 To 1,000, Deduct	*-22.94*	
		For >1,000, Deduct	*-31.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0163	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	86.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 500, Deduct	*-11.88*	
		For >500 To 1,000, Deduct	*-22.94*	
		For >1,000, Deduct	*-31.65*	
21 13 13 00-0164	EA	1/2" Diameter NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	86.34	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 500, Deduct	*-11.88*	
		For >500 To 1,000, Deduct	*-22.94*	
		For >1,000, Deduct	*-31.65*	
21 13 13 00-0165		Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*		
21 13 13 00-0166	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	92.01	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-23.97*	
		For >1,000, Deduct	*-32.68*	
21 13 13 00-0167	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	95.92	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-6.97*	
		For >100 To 500, Deduct	*-13.08*	
		For >500 To 1,000, Deduct	*-24.67*	
		For >1,000, Deduct	*-33.38*	
21 13 13 00-0168	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	97.61	10.88
		For >25 To 50, Deduct	*-2.18*	
		For >50 To 100, Deduct	*-7.06*	
		For >100 To 500, Deduct	*-13.29*	
		For >500 To 1,000, Deduct	*-24.97*	
		For >1,000, Deduct	*-33.68*	
21 13 13 00-0169		Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*		
21 13 13 00-0170		Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*		
21 13 13 00-0171	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes cover plate	135.13	14.52
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-9.66*	
		For >100 To 500, Deduct	*-18.34*	
		For >500 To 1,000, Deduct	*-34.20*	
		For >1,000, Deduct	*-45.81*	
21 13 13 00-0172	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	89.13	14.52
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-12.59*	
		For >500 To 1,000, Deduct	*-25.92*	
		For >1,000, Deduct	*-37.53*	
21 13 13 00-0173	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	90.81	14.52
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.44*	
		For >100 To 500, Deduct	*-12.80*	
		For >500 To 1,000, Deduct	*-26.22*	
		For >1,000, Deduct	*-37.83*	
21 13 13 00-0174	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	118.46	15.73
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-16.38*	
		For >500 To 1,000, Deduct	*-32.02*	
		For >1,000, Deduct	*-44.60*	
21 13 13 00-0175	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	113.62	14.52
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	
21 13 13 00-0176	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes cover plate	113.62	14.52
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0177	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	118.46	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-9.07*	
		For >100 To 500, Deduct	*-16.38*	
		For >500 To 1,000, Deduct	*-32.02*	
		For >1,000, Deduct	*-44.60*	
21 13 13 00-0178	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	102.86	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.05*	
		For >100 To 500, Deduct	*-14.31*	
		For >500 To 1,000, Deduct	*-28.39*	
		For >1,000, Deduct	*-40.00*	
21 13 13 00-0179	EA	1/2" Diameter NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	
21 13 13 00-0180	EA	1/2" Diameter NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	113.62	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.58*	
		For >100 To 500, Deduct	*-15.65*	
		For >500 To 1,000, Deduct	*-30.32*	
		For >1,000, Deduct	*-41.94*	
21 13 13 00-0181	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	105.40	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.17*	
		For >100 To 500, Deduct	*-14.63*	
		For >500 To 1,000, Deduct	*-28.84*	
		For >1,000, Deduct	*-40.46*	
21 13 13 00-0182	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	187.43	16.94
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-12.76*	
		For >100 To 500, Deduct	*-25.12*	
		For >500 To 1,000, Deduct	*-45.25*	
		For >1,000, Deduct	*-58.80*	
21 13 13 00-0183	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	97.49	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.78*	
		For >100 To 500, Deduct	*-13.64*	
		For >500 To 1,000, Deduct	*-27.42*	
		For >1,000, Deduct	*-39.03*	
21 13 13 00-0184	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	101.64	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-8.23*	
		For >100 To 500, Deduct	*-14.28*	
		For >500 To 1,000, Deduct	*-28.99*	
		For >1,000, Deduct	*-41.57*	
21 13 13 00-0185	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	99.00	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-7.85*	
		For >100 To 500, Deduct	*-13.83*	
		For >500 To 1,000, Deduct	*-27.69*	
		For >1,000, Deduct	*-39.31*	
21 13 13 00-0186	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	103.84	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-8.34*	
		For >100 To 500, Deduct	*-14.55*	
		For >500 To 1,000, Deduct	*-29.39*	
		For >1,000, Deduct	*-41.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0187	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	119.16	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-9.10*	
		For >100 To 500, Deduct	*-16.47*	
		For >500 To 1,000, Deduct	*-32.14*	
		For >1,000, Deduct	*-44.73*	
21 13 13 00-0188	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Cover Plate	222.33	16.94
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-14.50*	
		For >100 To 500, Deduct	*-29.49*	
		For >500 To 1,000, Deduct	*-51.54*	
		For >1,000, Deduct	*-65.09*	
21 13 13 00-0189	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Cover Plate	222.33	16.94
		For >25 To 50, Deduct	*-3.39*	
		For >50 To 100, Deduct	*-14.50*	
		For >100 To 500, Deduct	*-29.49*	
		For >500 To 1,000, Deduct	*-51.54*	
		For >1,000, Deduct	*-65.09*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	147.93	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-10.30*	
		For >100 To 500, Deduct	*-19.94*	
		For >500 To 1,000, Deduct	*-36.50*	
		For >1,000, Deduct	*-48.11*	
21 13 13 00-0192	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	167.74	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-11.53*	
		For >100 To 500, Deduct	*-22.54*	
		For >500 To 1,000, Deduct	*-40.89*	
		For >1,000, Deduct	*-53.47*	
21 13 13 00-0193	EA	1/2" Diameter NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	110.52	14.52
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-8.43*	
		For >100 To 500, Deduct	*-15.27*	
		For >500 To 1,000, Deduct	*-29.77*	
		For >1,000, Deduct	*-41.38*	
21 13 13 00-0194	EA	3/4" Diameter NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	109.66	15.73
		Note: Excludes cover plate		
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-8.63*	
		For >100 To 500, Deduct	*-15.28*	
		For >500 To 1,000, Deduct	*-30.43*	
		For >1,000, Deduct	*-43.02*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	396.41	12.09
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-22.24*	
		For >100 To 500, Deduct	*-50.76*	
		For >500 To 1,000, Deduct	*-79.58*	
		For >1,000, Deduct	*-89.26*	
21 13 13 00-0197	EA	1/2" Diameter NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	386.35	12.09
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-21.74*	
		For >100 To 500, Deduct	*-49.50*	
		For >500 To 1,000, Deduct	*-77.77*	
		For >1,000, Deduct	*-87.45*	
21 13 13 00-0198	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	154.80	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-10.16*	
		For >100 To 500, Deduct	*-20.56*	
		For >500 To 1,000, Deduct	*-36.09*	
		For >1,000, Deduct	*-45.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0199	EA	1/2" Diameter NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	175.66	12.09
		For >25 To 50, Deduct	*-2.42*	
		For >50 To 100, Deduct	*-11.20*	
		For >100 To 500, Deduct	*-23.17*	
		For >500 To 1,000, Deduct	*-39.85*	
		For >1,000, Deduct	*-49.52*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

21 13 13 00-0202	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	61.16	12.60
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-4.11*	
		For >100 To 500, Deduct	*-8.17*	
		For >500 To 1,000, Deduct	*-14.58*	
		For >1,000, Deduct	*-18.78*	
21 13 13 00-0203	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	61.16	12.60
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-4.11*	
		For >100 To 500, Deduct	*-8.17*	
		For >500 To 1,000, Deduct	*-14.58*	
		For >1,000, Deduct	*-18.78*	
21 13 13 00-0204	EA	1" Diameter Male NPT x 1/2" Diameter Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	61.98	12.60
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 500, Deduct	*-8.27*	
		For >500 To 1,000, Deduct	*-14.73*	
		For >1,000, Deduct	*-18.93*	
21 13 13 00-0205	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	53.53	12.60
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 500, Deduct	*-7.22*	
		For >500 To 1,000, Deduct	*-13.21*	
		For >1,000, Deduct	*-17.41*	
21 13 13 00-0206	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	53.53	12.60
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 500, Deduct	*-7.22*	
		For >500 To 1,000, Deduct	*-13.21*	
		For >1,000, Deduct	*-17.41*	
21 13 13 00-0207	EA	1" Diameter Female NPT x 1/2" Diameter Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	53.53	12.60
		For >25 To 50, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 500, Deduct	*-7.22*	
		For >500 To 1,000, Deduct	*-13.21*	
		For >1,000, Deduct	*-17.41*	
21 13 13 00-0208	EA	1" Diameter Female NPT x 3/4" Diameter Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	60.10	13.70
		For >25 To 50, Deduct	*-1.14*	
		For >50 To 100, Deduct	*-4.15*	
		For >100 To 500, Deduct	*-8.08*	
		For >500 To 1,000, Deduct	*-14.70*	
		For >1,000, Deduct	*-19.27*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	23.72	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-3.15*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000, Deduct	*-6.96*	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	23.72	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 500, Deduct	*-3.15*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000, Deduct	*-6.96*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	22.22	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-6.69*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	22.22	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000, Deduct	*-6.69*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	15.41	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.11*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-5.46*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	22.97	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 500, Deduct	*-3.05*	
		For >500 To 1,000, Deduct	*-5.37*	
		For >1,000, Deduct	*-6.82*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	22.97	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 500, Deduct	*-3.05*	
		For >500 To 1,000, Deduct	*-5.37*	
		For >1,000, Deduct	*-6.82*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	8.17	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 500, Deduct	*-1.14*	
		For >500 To 1,000, Deduct	*-2.29*	
		For >1,000, Deduct	*-3.26*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.12	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.60*	
		For >100 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-2.10*	
		For >1,000, Deduct	*-3.07*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.41	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.05*	
		For >500 To 1,000, Deduct	*-2.16*	
		For >1,000, Deduct	*-3.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	8.36	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.66*	
		For >100 To 500, Deduct	*-1.17*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.30*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	7.31	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000, Deduct	*-3.11*	
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	7.31	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.14*	
		For >1,000, Deduct	*-3.11*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	9.44	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.71*	
		For >100 To 500, Deduct	*-1.30*	
		For >500 To 1,000, Deduct	*-2.52*	
		For >1,000, Deduct	*-3.49*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	7.28	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-3.10*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	7.28	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.13*	
		For >1,000, Deduct	*-3.10*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.58	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.77*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.01	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.94*	
		For >100 To 500, Deduct	*-1.67*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-4.67*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	12.20	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.70*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	12.77	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 500, Deduct	*-1.77*	
		For >500 To 1,000, Deduct	*-3.45*	
		For >1,000, Deduct	*-4.81*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	12.20	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.69*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.70*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	12.58	4.47
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.97*	
		For >100 To 500, Deduct	*-1.74*	
		For >500 To 1,000, Deduct	*-3.42*	
		For >1,000, Deduct	*-4.77*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	29.81	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-1.85*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-6.60*	
		For >1,000, Deduct	*-8.05*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	34.97	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-8.98*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	36.17	4.36
		For >25 To 50, Deduct	*-0.36*	
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 500, Deduct	*-4.70*	
		For >500 To 1,000, Deduct	*-7.74*	
		For >1,000, Deduct	*-9.20*	

21 13 13 00-0247 Cover Plate For Sprinkler Heads *(21 13 13 00-0200)*

21 13 13 00-0248	EA	Chrome Cover Plate For Concealed Pendent Sprinkler Head	75.28	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-4.18*	
		For >100 To 500, Deduct	*-9.62*	
		For >500 To 1,000, Deduct	*-14.95*	
		For >1,000, Deduct	*-16.60*	
21 13 13 00-0249	EA	White Cover Plate For Concealed Pendent Sprinkler Head	34.36	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.13*	
		For >100 To 500, Deduct	*-4.50*	
		For >500 To 1,000, Deduct	*-7.58*	
		For >1,000, Deduct	*-9.23*	
21 13 13 00-0250	EA	Specialty Cover Plate For Concealed Pendent Sprinkler Head	52.10	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 500, Deduct	*-6.72*	
		For >500 To 1,000, Deduct	*-10.78*	
		For >1,000, Deduct	*-12.42*	
21 13 13 00-0251	EA	Brass Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000, Deduct	*-11.60*	
21 13 13 00-0252	EA	Chrome Cover Plate For Concealed Sidewall Sprinkler Head	37.06	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.84*	
		For >500 To 1,000, Deduct	*-8.07*	
		For >1,000, Deduct	*-9.72*	
21 13 13 00-0253	EA	White Cover Plate For Concealed Sidewall Sprinkler Head	37.06	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 500, Deduct	*-4.84*	
		For >500 To 1,000, Deduct	*-8.07*	
		For >1,000, Deduct	*-9.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0254	EA	Off-White Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000, Deduct	*-11.60*	
21 13 13 00-0255	EA	Black Painted Cover Plate For Concealed Sidewall Sprinkler Head	47.50	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.14*	
		For >500 To 1,000, Deduct	*-9.95*	
		For >1,000, Deduct	*-11.60*	
21 13 13 00-0256	EA	Black Plated Cover Plate For Concealed Sidewall Sprinkler Head	55.77	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 500, Deduct	*-7.18*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0257	EA	Bright Brass Cover Plate For Concealed Sidewall Sprinkler Head	55.77	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 500, Deduct	*-7.18*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0258	EA	Satin Chrome Cover Plate For Concealed Sidewall Sprinkler Head	55.77	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-3.20*	
		For >100 To 500, Deduct	*-7.18*	
		For >500 To 1,000, Deduct	*-11.44*	
		For >1,000, Deduct	*-13.08*	
21 13 13 00-0259	EA	Specialty Cover Plate For Concealed Sidewall Sprinkler Head	47.55	4.93
		For >25 To 50, Deduct	*-0.41*	
		For >50 To 100, Deduct	*-2.79*	
		For >100 To 500, Deduct	*-6.15*	
		For >500 To 1,000, Deduct	*-9.96*	
		For >1,000, Deduct	*-11.60*	
21 13 13 00-0260	EA	White Cover Plate For Quick Release Concealed Sidewall Sprinkler Head	83.42	5.81
		For >25 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-4.65*	
		For >100 To 500, Deduct	*-10.67*	
		For >500 To 1,000, Deduct	*-16.66*	
		For >1,000, Deduct	*-18.59*	

21 13 13 00-0261 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	17.81	2.91
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.35*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-5.00*	
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	23.81	3.05
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-1.44*	
		For >100 To 500, Deduct	*-3.10*	
		For >500 To 1,000, Deduct	*-5.15*	
		For >1,000, Deduct	*-6.17*	
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	30.54	3.20
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-1.79*	
		For >100 To 500, Deduct	*-3.95*	
		For >500 To 1,000, Deduct	*-6.40*	
		For >1,000, Deduct	*-7.47*	
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	36.55	3.34
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-2.11*	
		For >100 To 500, Deduct	*-4.71*	
		For >500 To 1,000, Deduct	*-7.53*	
		For >1,000, Deduct	*-8.64*	

21 13 13 00-0266 Sprinkler Head Guards *(21 13 13 00-0200)*

21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	22.77	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 500, Deduct	*-3.21*	
		For >500 To 1,000, Deduct	*-6.57*	
		For >1,000, Deduct	*-9.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	25.97	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 500, Deduct	*-3.61*	
		For >500 To 1,000, Deduct	*-7.14*	
		For >1,000, Deduct	*-10.05*	
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	31.42	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.30*	
		For >100 To 500, Deduct	*-4.29*	
		For >500 To 1,000, Deduct	*-8.12*	
		For >1,000, Deduct	*-11.03*	
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	38.14	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.63*	
		For >100 To 500, Deduct	*-5.13*	
		For >500 To 1,000, Deduct	*-9.33*	
		For >1,000, Deduct	*-12.24*	
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	25.84	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 500, Deduct	*-3.59*	
		For >500 To 1,000, Deduct	*-7.12*	
		For >1,000, Deduct	*-10.02*	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	27.92	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 500, Deduct	*-3.85*	
		For >500 To 1,000, Deduct	*-7.49*	
		For >1,000, Deduct	*-10.40*	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	43.33	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.89*	
		For >100 To 500, Deduct	*-5.78*	
		For >500 To 1,000, Deduct	*-10.27*	
		For >1,000, Deduct	*-13.17*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	40.24	8.71
		For >25 To 50, Deduct	*-0.73*	
		For >50 To 100, Deduct	*-2.74*	
		For >100 To 500, Deduct	*-5.39*	
		For >500 To 1,000, Deduct	*-9.71*	
		For >1,000, Deduct	*-12.62*	

21 13 13 00-0275 Replacement Sprinkler Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon	11.97	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.62*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-3.95*	
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	11.88	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon	11.88	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	11.88	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	11.88	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0281	EA	Flush, White Replacement Sprinkler Escutcheon	15.01	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 500, Deduct	*-2.00*	
		For >500 To 1,000, Deduct	*-3.52*	
		For >1,000, Deduct	*-4.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0282	EA	Deep, Brass Replacement Sprinkler Escutcheon	11.88	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0283	EA	Deep, Chrome Replacement Sprinkler Escutcheon	11.88	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0284	EA	Deep, White Replacement Sprinkler Escutcheon	11.88	3.20
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0285		**Pendent Shield And O-Ring Assembly** *(21 13 13 00-0200)*		
21 13 13 00-0286	EA	Pendent Shield And O-Ring Assembly	18.13	6.39
		For >25 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 500, Deduct	*-2.51*	
		For >500 To 1,000, Deduct	*-4.91*	
		For >1,000, Deduct	*-6.84*	
21 13 13 00-0287		**Replacement Insulating Sealing Assembly** *(21 13 13 00-0200)*		
21 13 13 00-0288	EA	Insulating Sealing Assembly	79.90	14.52
		For >100 To 500, Deduct	*-10.71*	
		For >500 To 1,000, Deduct	*-19.32*	
21 13 13 00-0289		**Flexible Sprinkler Piping** *(21 13 13 00-0011)*		
		Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0290	EA	2' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	73.08	15.00
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 500, Deduct	*-9.89*	
		For >500 To 1,000, Deduct	*-18.30*	
		For >1,000, Deduct	*-24.34*	
21 13 13 00-0291	EA	3' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	81.21	15.48
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.59*	
		For >50 To 100, Deduct	*-5.65*	
		For >100 To 500, Deduct	*-10.95*	
		For >500 To 1,000, Deduct	*-20.03*	
		For >1,000, Deduct	*-26.40*	
21 13 13 00-0292	EA	4' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	89.46	16.45
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-12.02*	
		For >500 To 1,000, Deduct	*-21.81*	
		For >1,000, Deduct	*-28.53*	
21 13 13 00-0293	EA	5' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	97.97	17.42
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-6.68*	
		For >100 To 500, Deduct	*-13.14*	
		For >500 To 1,000, Deduct	*-23.68*	
		For >1,000, Deduct	*-30.80*	
21 13 13 00-0294	EA	6' Long, 3/4" Diameter, Stainless Steel Flexible Sprinkler Piping	106.71	19.36
		Note: Includes ceiling mounting bracket.		
		For >25 To 50, Deduct	*-1.89*	
		For >50 To 100, Deduct	*-7.23*	
		For >100 To 500, Deduct	*-14.28*	
		For >500 To 1,000, Deduct	*-25.64*	
		For >1,000, Deduct	*-33.20*	
21 13 13 00-0295		**Sprinkler Emergency Cabinets** *(21 13 13 00-0011)*		
21 13 13 00-0296	EA	3 Capacity Emergency Sprinkler Cabinet, A4	126.91	
21 13 13 00-0297	EA	6 Capacity Emergency Sprinkler Cabinet, A4	131.75	
21 13 13 00-0298	EA	12 Capacity Emergency Sprinkler Cabinet, A4	144.94	
21 13 13 00-0299	EA	12 Capacity Emergency Sprinkler Cabinet, A3	497.34	
21 13 13 00-0300	EA	Sprinkler Wrench, RC1	259.72	
21 13 13 00-0301	EA	Sprinkler Wrench, FC	258.71	
21 13 13 00-0302	EA	Sprinkler Wrench, W2	85.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly *(21 13 16)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	737.32	
		For Up To 5, Add	*328.90*	
		For >5 To 10, Add	*158.66*	
		For >10 To 20, Add	*124.69*	
		For >20 To 40, Add	*53.85*	
		For >100 To 150, Deduct	*-73.73*	
		For >150, Deduct	*-147.46*	
		For Copper Pipe, Add	*93.61*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-130.48*	
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	888.19	
		For Up To 5, Add	*401.36*	
		For >5 To 10, Add	*204.02*	
		For >10 To 20, Add	*157.94*	
		For >20 To 40, Add	*67.45*	
		For >100 To 150, Deduct	*-88.82*	
		For >150, Deduct	*-177.64*	
		For Copper Pipe, Add	*110.19*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-154.60*	
		For Work In Restricted Working Space, Add	*138.24*	

21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	714.16	
		For Up To 5, Add	*319.21*	
		For >5 To 10, Add	*155.28*	
		For >10 To 20, Add	*121.74*	
		For >20 To 40, Add	*52.48*	
		For >100 To 150, Deduct	*-71.42*	
		For >150, Deduct	*-142.83*	
		For Copper Pipe, Add	*90.35*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-126.06*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	862.32	
		For Up To 5, Add	*390.45*	
		For >5 To 10, Add	*200.04*	
		For >10 To 20, Add	*154.52*	
		For >20 To 40, Add	*65.88*	
		For >100 To 150, Deduct	*-86.23*	
		For >150, Deduct	*-172.46*	
		For Copper Pipe, Add	*106.59*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-149.70*	
		For Work In Restricted Working Space, Add	*136.57*	

21 13 16 00-0008 Extra Hazard, Dry-Pipe Sprinkler System Assemblies *(21 13 16 00-0001)*

21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	671.43	
		For Up To 5, Add	*299.83*	
		For >5 To 10, Add	*145.30*	
		For >10 To 20, Add	*114.03*	
		For >20 To 40, Add	*49.20*	
		For >100 To 150, Deduct	*-67.14*	
		For >150, Deduct	*-134.29*	
		For Copper Pipe, Add	*85.08*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-118.66*	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.	802.59	
		For Up To 5, Add	*363.44*	
		For >5 To 10, Add	*186.26*	
		For >10 To 20, Add	*143.86*	
		For >20 To 40, Add	*61.33*	
		For >100 To 150, Deduct	*-80.26*	
		For >150, Deduct	*-160.52*	
		For Copper Pipe, Add	*99.19*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-139.32*	
		For Work In Restricted Working Space, Add	*127.21*	

21 13 16 00-0011 Dry-Pipe Sprinkler System Compressors *(21 13 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	3,320.74	299.41
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	3,483.25	299.41
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	3,620.37	299.41
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	4,153.59	299.41

21 13 16 00-0016 Dry Pipe Sprinkler System Components *(21 13 16)*

21 13 16 00-0017 Dry Pipe Valves *(21 13 16 00-0016)*

Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.

21 13 16 00-0018	EA	2-1/2" Diameter, Dry Pipe Valve	4,268.26	188.38
21 13 16 00-0019	EA	3" Diameter, Dry Pipe Valve	4,749.63	215.78
21 13 16 00-0020	EA	4" Diameter, Dry Pipe Valve	5,244.72	366.48
21 13 16 00-0021	EA	6" Diameter, Dry Pipe Valve	6,652.02	462.39
21 13 16 00-0022	EA	8" Diameter, Dry Pipe Valve	10,240.96	465.81

21 13 16 00-0023 Dry Pipe Valve Trim *(21 13 16 00-0016)*

Note: Includes gauges, pressure switch, air supply and drain lines.

21 13 16 00-0024	EA	2-1/2" Diameter, Dry Pipe Valve Trim	1,535.67	265.79
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0025	EA	3" Diameter, Dry Pipe Valve Trim	1,576.76	292.27
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0026	EA	4" Diameter, Dry Pipe Valve Trim	1,779.86	364.43
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0027	EA	6" Diameter, Dry Pipe Valve Trim	1,898.60	438.41
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
21 13 16 00-0028	EA	8" Diameter, Dry Pipe Valve Trim	2,141.06	493.22
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	

21 13 16 00-0029 Dry Pipe Fire Protection Air Compressors *(21 13 16 00-0016)*

21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,528.82	168.85
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	1,857.15	179.74
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,379.51	191.72
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	2,591.46	221.13
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	3,208.52	261.44
21 13 16 00-0035	EA	11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,057.03	276.69
21 13 16 00-0036	EA	14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors	4,918.91	287.58

21 13 16 00-0037 Dry Pipe Fire Protection Nitrogen Generator *(21 13 16 00-0016)*

21 13 16 00-0038	EA	675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	11,153.83	261.44
21 13 16 00-0039	EA	950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	12,376.84	276.69
21 13 16 00-0040	EA	2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator	17,584.36	359.48

21 13 16 00-0041 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0042	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	276.48	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-16.73*	
		For >100 To 500, Deduct	*-36.01*	
		For >500 To 1,000, Deduct	*-59.64*	
		For >1,000, Deduct	*-71.25*	
21 13 16 00-0043	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	289.06	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.36*	
		For >100 To 500, Deduct	*-37.58*	
		For >500 To 1,000, Deduct	*-61.90*	
		For >1,000, Deduct	*-73.52*	
21 13 16 00-0044	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	301.65	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.99*	
		For >100 To 500, Deduct	*-39.16*	
		For >500 To 1,000, Deduct	*-64.17*	
		For >1,000, Deduct	*-75.78*	
21 13 16 00-0045	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	314.27	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-18.62*	
		For >100 To 500, Deduct	*-40.74*	
		For >500 To 1,000, Deduct	*-66.44*	
		For >1,000, Deduct	*-78.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0046	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	326.86	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-19.25*	
		For >100 To 500, Deduct	*-42.31*	
		For >500 To 1,000, Deduct	*-68.71*	
		For >1,000, Deduct	*-80.32*	
21 13 16 00-0047	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	339.45	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-19.88*	
		For >100 To 500, Deduct	*-43.88*	
		For >500 To 1,000, Deduct	*-70.97*	
		For >1,000, Deduct	*-82.59*	
21 13 16 00-0048	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	352.03	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-20.51*	
		For >100 To 500, Deduct	*-45.46*	
		For >500 To 1,000, Deduct	*-73.24*	
		For >1,000, Deduct	*-84.85*	
21 13 16 00-0049	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	364.65	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-21.14*	
		For >100 To 500, Deduct	*-47.03*	
		For >500 To 1,000, Deduct	*-75.51*	
		For >1,000, Deduct	*-87.12*	
21 13 16 00-0050	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	377.22	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-21.76*	
		For >100 To 500, Deduct	*-48.60*	
		For >500 To 1,000, Deduct	*-77.77*	
		For >1,000, Deduct	*-89.39*	
21 13 16 00-0051	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	389.82	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-22.39*	
		For >100 To 500, Deduct	*-50.18*	
		For >500 To 1,000, Deduct	*-80.04*	
		For >1,000, Deduct	*-91.65*	
21 13 16 00-0052	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	402.42	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-23.02*	
		For >100 To 500, Deduct	*-51.75*	
		For >500 To 1,000, Deduct	*-82.31*	
		For >1,000, Deduct	*-93.92*	
21 13 16 00-0053	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	415.01	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-23.65*	
		For >100 To 500, Deduct	*-53.33*	
		For >500 To 1,000, Deduct	*-84.57*	
		For >1,000, Deduct	*-96.19*	
21 13 16 00-0054	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	427.63	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-24.29*	
		For >100 To 500, Deduct	*-54.91*	
		For >500 To 1,000, Deduct	*-86.85*	
		For >1,000, Deduct	*-98.46*	
21 13 16 00-0055	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	440.19	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-24.91*	
		For >100 To 500, Deduct	*-56.48*	
		For >500 To 1,000, Deduct	*-89.11*	
		For >1,000, Deduct	*-100.72*	
21 13 16 00-0056	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Recessed Pendent Dry Pipe Sprinkler Head	452.80	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-25.54*	
		For >100 To 500, Deduct	*-58.05*	
		For >500 To 1,000, Deduct	*-91.38*	
		For >1,000, Deduct	*-102.99*	

21 13 16 00-0057 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0058	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	273.45	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-16.58*	
		For >100 To 500, Deduct	*-35.63*	
		For >500 To 1,000, Deduct	*-59.09*	
		For >1,000, Deduct	*-70.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0059	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	286.06	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.21*	
		For >100 To 500, Deduct	*-37.21*	
		For >500 To 1,000, Deduct	*-61.36*	
		For >1,000, Deduct	*-72.98*	
21 13 16 00-0060	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	298.68	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-17.84*	
		For >100 To 500, Deduct	*-38.79*	
		For >500 To 1,000, Deduct	*-63.63*	
		For >1,000, Deduct	*-75.25*	
21 13 16 00-0061	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	311.23	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-18.47*	
		For >100 To 500, Deduct	*-40.36*	
		For >500 To 1,000, Deduct	*-65.89*	
		For >1,000, Deduct	*-77.51*	
21 13 16 00-0062	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	323.84	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-19.10*	
		For >100 To 500, Deduct	*-41.93*	
		For >500 To 1,000, Deduct	*-68.16*	
		For >1,000, Deduct	*-79.78*	
21 13 16 00-0063	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	336.41	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-19.72*	
		For >100 To 500, Deduct	*-43.50*	
		For >500 To 1,000, Deduct	*-70.43*	
		For >1,000, Deduct	*-82.04*	
21 13 16 00-0064	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	349.04	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-20.36*	
		For >100 To 500, Deduct	*-45.08*	
		For >500 To 1,000, Deduct	*-72.70*	
		For >1,000, Deduct	*-84.31*	
21 13 16 00-0065	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	361.63	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-20.99*	
		For >100 To 500, Deduct	*-46.66*	
		For >500 To 1,000, Deduct	*-74.97*	
		For >1,000, Deduct	*-86.58*	
21 13 16 00-0066	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	374.19	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-21.61*	
		For >100 To 500, Deduct	*-48.23*	
		For >500 To 1,000, Deduct	*-77.23*	
		For >1,000, Deduct	*-88.84*	
21 13 16 00-0067	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	386.78	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-22.24*	
		For >100 To 500, Deduct	*-49.80*	
		For >500 To 1,000, Deduct	*-79.49*	
		For >1,000, Deduct	*-91.11*	
21 13 16 00-0068	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	399.39	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-22.87*	
		For >100 To 500, Deduct	*-51.38*	
		For >500 To 1,000, Deduct	*-81.76*	
		For >1,000, Deduct	*-93.38*	
21 13 16 00-0069	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	411.98	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-23.50*	
		For >100 To 500, Deduct	*-52.95*	
		For >500 To 1,000, Deduct	*-84.03*	
		For >1,000, Deduct	*-95.64*	
21 13 16 00-0070	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	449.78	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-25.39*	
		For >100 To 500, Deduct	*-57.67*	
		For >500 To 1,000, Deduct	*-90.83*	
		For >1,000, Deduct	*-102.45*	
21 13 16 00-0071	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	462.38	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-26.02*	
		For >100 To 500, Deduct	*-59.25*	
		For >500 To 1,000, Deduct	*-93.10*	
		For >1,000, Deduct	*-104.71*	
21 13 16 00-0072	EA	45" To 48" Length, 1/2" Orifice, 1" Diameter NPT Thread, Chrome Sidewall Dry Pipe Sprinkler Head	467.40	19.17
		For >25 To 50, Deduct	*-2.90*	
		For >50 To 100, Deduct	*-26.27*	
		For >100 To 500, Deduct	*-59.88*	
		For >500 To 1,000, Deduct	*-94.00*	
		For >1,000, Deduct	*-105.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0073		Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*		
21 13 16 00-0074	EA	23" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,345.62	19.17
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-70.43*	
		For >100 To 500, Deduct	*-169.78*	
		For >500 To 1,000, Deduct	*-252.91*	
		For >1,000, Deduct	*-265.49*	
21 13 16 00-0075	EA	30" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,345.62	19.17
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-70.43*	
		For >100 To 500, Deduct	*-169.78*	
		For >500 To 1,000, Deduct	*-252.91*	
		For >1,000, Deduct	*-265.49*	
21 13 16 00-0076	EA	36" Length, 1-1/4" Diameter NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,345.62	19.17
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-70.43*	
		For >100 To 500, Deduct	*-169.78*	
		For >500 To 1,000, Deduct	*-252.91*	
		For >1,000, Deduct	*-265.49*	
21 13 16 00-0077	EA	36" Length, 1-1/4" Diameter ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	1,345.62	19.17
		For >25 To 50, Deduct	*-3.15*	
		For >50 To 100, Deduct	*-70.43*	
		For >100 To 500, Deduct	*-169.78*	
		For >500 To 1,000, Deduct	*-252.91*	
		For >1,000, Deduct	*-265.49*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies *(21 13 19)*

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1456 for individual grooved pipe, 23 21 13 23-1529 for individual grooved pipe fittings.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	661.36	
		For Up To 5, Add	*298.09*	
		For >5 To 10, Add	*182.59*	
		For >10 To 20, Add	*116.46*	
		For >20 To 40, Add	*49.84*	
		For >100 To 150, Deduct	*-66.14*	
		For >150, Deduct	*-132.27*	

21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies *(21 13 19 00-0001)*

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly Note: Includes branch pipe and fittings, supports and sprinkler heads.	615.60	
		For Up To 5, Add	*277.50*	
		For >5 To 10, Add	*170.01*	
		For >10 To 20, Add	*108.45*	
		For >20 To 40, Add	*46.41*	
		For >100 To 150, Deduct	*-61.56*	
		For >150, Deduct	*-123.12*	

21 13 26 Deluge Fire-Suppression Sprinkler Systems *(21 13)*

21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*

21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment *(21 13 26 00-0001)*

21 13 26 00-0003	EA	3" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	7,397.47	537.72
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*632.21*	
21 13 26 00-0004	EA	4" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	9,155.05	604.88
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*794.53*	
21 13 26 00-0005	EA	6" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	10,847.38	879.85
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*908.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 26 00-0006	EA	8" Diameter, Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment	18,429.15	1,057.34
		For Accelerator and Trim, Add	*1,347.97*	
		For Priming Chamber, Add	*217.02*	
		For Dry-Pilot Activation, Add	*1,631.45*	

21 13 39 Foam-Water Systems *(21 13)*

21 13 39 00-0001 Foam Control Valves And Monitors *(21 13 39)*

21 13 39 00-0002 Control Valves *(21 13 39 00-0001)*

21 13 39 00-0003	EA	3" Diameter, Foam Control Valve	5,366.83	537.72

21 13 39 00-0004 Supply Valves *(21 13 39 00-0001)*

21 13 39 00-0005	EA	2-1/2" Diameter, Foam Supply Valve	4,547.59	604.88

21 13 39 00-0006 Proportioners *(21 13 39 00-0001)*

21 13 39 00-0007	EA	8" Foam Proportioner	3,442.77	879.85

21 13 39 00-0008 Monitors *(21 13 39 00-0001)*

21 13 39 00-0009	EA	Oscillating Foam Monitor	6,633.69	120.98

21 13 41 Fire-Suppression Sprinkler Piping *(21 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe and fittings, 22 11 16 00-0383 for copper pipe and fittings, 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0858 for flanged black steel pipe fittings, 23 21 13 23-1456 for grooved pipe, 23 21 13 23-1529 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.

21 13 41 00-0001 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*

Note: SDR 13.5

21 13 41 00-0002 Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*

21 13 41 00-0003	LF	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.40	1.55
		For Work In Restricted Working Space, Add	*1.16*	
21 13 41 00-0004	LF	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.52	1.64
		For Work In Restricted Working Space, Add	*1.25*	
21 13 41 00-0005	LF	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	8.24	1.84
		For Work In Restricted Working Space, Add	*1.37*	
21 13 41 00-0006	LF	1-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	10.14	2.03
		For Work In Restricted Working Space, Add	*1.51*	
21 13 41 00-0007	LF	2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	13.10	2.23
		For Work In Restricted Working Space, Add	*1.68*	
21 13 41 00-0008	LF	2-1/2" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	18.06	2.51
		For Work In Restricted Working Space, Add	*1.92*	
21 13 41 00-0009	LF	3" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	25.33	3.00
		For Work In Restricted Working Space, Add	*2.27*	

21 13 41 00-0010 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0011	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	25.22	9.29
		For Work In Restricted Working Space, Add	*6.97*	
21 13 41 00-0012	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.46	11.61
		For Work In Restricted Working Space, Add	*8.74*	
21 13 41 00-0013	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	41.86	14.52
		For Work In Restricted Working Space, Add	*10.92*	
21 13 41 00-0014	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	48.00	16.07
		For Work In Restricted Working Space, Add	*12.08*	
21 13 41 00-0015	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	54.56	18.01
		For Work In Restricted Working Space, Add	*13.47*	
21 13 41 00-0016	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	69.65	20.42
		For Work In Restricted Working Space, Add	*15.33*	
21 13 41 00-0017	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	85.62	24.20
		For Work In Restricted Working Space, Add	*18.12*	

21 13 41 00-0018 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0019	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	25.92	9.29
		For Work In Restricted Working Space, Add	*6.97*	
21 13 41 00-0020	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	32.33	11.61
		For Work In Restricted Working Space, Add	*8.74*	
21 13 41 00-0021	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	41.02	14.52
		For Work In Restricted Working Space, Add	*10.92*	
21 13 41 00-0022	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	46.65	16.07
		For Work In Restricted Working Space, Add	*12.08*	
21 13 41 00-0023	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	52.87	18.01
		For Work In Restricted Working Space, Add	*13.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0024	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	65.38	20.42
		For Work In Restricted Working Space, Add	*15.33*	
21 13 41 00-0025	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	80.93	24.20
		For Work In Restricted Working Space, Add	*18.12*	
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	37.53	13.94
		For Work In Restricted Working Space, Add	*10.45*	
21 13 41 00-0028	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	49.08	17.52
		For Work In Restricted Working Space, Add	*13.13*	
21 13 41 00-0029	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	62.60	21.87
		For Work In Restricted Working Space, Add	*16.37*	
21 13 41 00-0030	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	72.19	24.20
		For Work In Restricted Working Space, Add	*18.12*	
21 13 41 00-0031	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	84.84	26.90
		For Work In Restricted Working Space, Add	*20.21*	
21 13 41 00-0032	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	105.06	30.68
		For Work In Restricted Working Space, Add	*23.00*	
21 13 41 00-0033	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	124.12	36.19
		For Work In Restricted Working Space, Add	*27.18*	
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	45.28	16.35
		For Work In Restricted Working Space, Add	*12.22*	
21 13 41 00-0036	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	59.23	20.42
		For Work In Restricted Working Space, Add	*15.27*	
21 13 41 00-0037	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	66.41	22.55
		For Work In Restricted Working Space, Add	*16.90*	
21 13 41 00-0038	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	78.97	25.17
		For Work In Restricted Working Space, Add	*18.87*	
21 13 41 00-0039	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	93.61	28.65
		For Work In Restricted Working Space, Add	*21.46*	
21 13 41 00-0040	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	110.09	33.77
		For Work In Restricted Working Space, Add	*25.37*	
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	50.71	18.58
		For Work In Restricted Working Space, Add	*13.94*	
21 13 41 00-0043	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	63.59	23.32
		For Work In Restricted Working Space, Add	*17.48*	
21 13 41 00-0044	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	80.16	29.13
		For Work In Restricted Working Space, Add	*21.83*	
21 13 41 00-0045	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	90.60	32.23
		For Work In Restricted Working Space, Add	*24.16*	
21 13 41 00-0046	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	106.43	35.90
		For Work In Restricted Working Space, Add	*26.95*	
21 13 41 00-0047	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	138.43	40.84
		For Work In Restricted Working Space, Add	*30.66*	
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	17.39	6.19
		For Work In Restricted Working Space, Add	*4.64*	
21 13 41 00-0050	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	23.29	8.32
		For Work In Restricted Working Space, Add	*6.24*	
21 13 41 00-0051	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	30.93	10.93
		For Work In Restricted Working Space, Add	*8.19*	
21 13 41 00-0052	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	35.37	12.09
		For Work In Restricted Working Space, Add	*9.06*	
21 13 41 00-0053	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	40.70	13.46
		For Work In Restricted Working Space, Add	*10.10*	
21 13 41 00-0054	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	49.06	15.29
		For Work In Restricted Working Space, Add	*11.50*	
21 13 41 00-0055	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	59.29	18.10
		For Work In Restricted Working Space, Add	*13.59*	
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	8.90	3.10
		For Work In Restricted Working Space, Add	*2.33*	
21 13 41 00-0058	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.12	5.03
		For Work In Restricted Working Space, Add	*3.75*	
21 13 41 00-0059	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.28	5.42
		For Work In Restricted Working Space, Add	*4.10*	
21 13 41 00-0060	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	18.73	6.00
		For Work In Restricted Working Space, Add	*4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0061	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	22.31	6.78
		For Work In Restricted Working Space, Add	*5.05*	
21 13 41 00-0062	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	27.06	7.65
		For Work In Restricted Working Space, Add	*5.75*	
21 13 41 00-0063	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	35.45	9.10
		For Work In Restricted Working Space, Add	*6.80*	
21 13 41 00-0064		Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	24.43	9.19
		For Work In Restricted Working Space, Add	*6.88*	
21 13 41 00-0066	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	32.42	12.00
		For Work In Restricted Working Space, Add	*9.00*	
21 13 41 00-0067	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	35.83	13.25
		For Work In Restricted Working Space, Add	*9.96*	
21 13 41 00-0068	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	40.91	14.81
		For Work In Restricted Working Space, Add	*11.12*	
21 13 41 00-0069	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	48.80	16.84
		For Work In Restricted Working Space, Add	*12.66*	
21 13 41 00-0070	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	59.79	19.93
		For Work In Restricted Working Space, Add	*14.95*	
21 13 41 00-0071		Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	22.01	6.78
		For Work In Restricted Working Space, Add	*5.11*	
21 13 41 00-0073	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	28.20	9.19
		For Work In Restricted Working Space, Add	*6.88*	
21 13 41 00-0074		Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	22.01	6.78
		For Work In Restricted Working Space, Add	*5.11*	
21 13 41 00-0076	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	28.20	9.19
		For Work In Restricted Working Space, Add	*6.88*	
21 13 41 00-0077		Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0078	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	25.53	8.32
		For Work In Restricted Working Space, Add	*6.27*	
21 13 41 00-0079	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	32.70	10.45
		For Work In Restricted Working Space, Add	*7.87*	
21 13 41 00-0080	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	34.12	10.45
		For Work In Restricted Working Space, Add	*7.87*	
21 13 41 00-0081		Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0082	EA	3/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	41.86	13.94
		For Work In Restricted Working Space, Add	*10.45*	
21 13 41 00-0083	EA	1" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	51.35	17.52
		For Work In Restricted Working Space, Add	*13.13*	
21 13 41 00-0084	EA	1-1/4" Diameter, Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	67.23	21.87
		For Work In Restricted Working Space, Add	*16.37*	
21 13 41 00-0085	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	77.09	24.20
		For Work In Restricted Working Space, Add	*18.12*	
21 13 41 00-0086	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" Diameter FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	90.81	26.90
		For Work In Restricted Working Space, Add	*20.21*	

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 21 16 00-0001		**Carbon Dioxide Cylinders** *(21 21 16)*		
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 Lb.	2,983.03	248.97
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 Lb. (Each)	5,966.05	497.94
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	355.96	108.38
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	180.36	45.49
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	43.25	18.45

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0002 Sapphire® Fire Suppression Systems *(21 22 16 00-0001)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0004	EA	20 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 Lb. tank capacity. Excludes Sapphire agent.	1,739.75	84.88
21 22 16 00-0005	EA	40 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 Lb. tank capacity. Excludes Sapphire agent.	1,984.52	84.88
21 22 16 00-0006	EA	80 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 Lb. tank capacity. Excludes Sapphire agent.	2,016.70	84.88
21 22 16 00-0007	EA	140 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 Lb. tank capacity. Excludes Sapphire agent.	2,863.19	113.17
21 22 16 00-0008	EA	280 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 Lb. tank capacity. Excludes Sapphire agent.	3,024.99	113.17
21 22 16 00-0009	EA	390 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 Lb. tank capacity. Excludes Sapphire agent.	3,231.90	141.47
21 22 16 00-0010	EA	450 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 Lb. tank capacity. Excludes Sapphire agent.	3,429.19	141.47
21 22 16 00-0011	EA	850 Lb. Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 Lb. tank capacity. Excludes Sapphire agent.	5,175.82	169.75
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	43.71	169.75

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	166.09	14.15
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	170.26	14.15
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	180.71	14.15
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	188.02	14.15
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	198.45	14.15
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	229.76	14.15
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	166.09	14.15
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	170.26	14.15
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	180.71	14.15
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	188.02	14.15
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	198.45	14.15
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	229.76	14.15

21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System *(21 22 16 00-0002)*

21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	14.93	4.24
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	16.73	4.24
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	22.74	9.90
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	53.70	12.68
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	79.62	12.68
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	96.14	12.68
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	47.74	12.68
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	331.77	113.17
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	320.06	84.88
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	720.10	113.17

21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	53.35	14.15
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	58.06	14.15

21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0041	EA	Tank Bracket Assembly For 20 Lb., 40 Lb., 50 Lb., 80 Lb., And 90 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	164.22	42.44
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 Lb., 280 Lb., 390 Lb., And 450 Lb., Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	173.61	42.44
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	185.62	42.44

21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0045	EA	1" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	444.13	45.04
21 22 16 00-0046	EA	2" Diameter, Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	623.89	77.29
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	139.04	28.30
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	523.21	28.30
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	440.73	28.30
21 22 16 00-0051	EA	3" Diameter, Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,925.78	113.17
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	49.81	19.81
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	88.84	19.81
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	247.52	14.15
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	319.82	14.15
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	182.59	56.58
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	184.28	23.76
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	566.54	99.02
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	663.84	19.81
21 22 16 00-0063	EA	Liquid Level Indicator For 390 Lb. And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	695.18	19.81
21 22 16 00-0064	EA	Liquid Level Indicator For 450 Lb. Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	744.49	28.30
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	50.65	16.98
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	63.51	19.81
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	211.71	84.88
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	247.52	84.88
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	277.27	84.88
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	373.31	84.88
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	60.29	22.64
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	99.80	14.15
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	134.36	28.30
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	353.70	113.17
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	536.37	113.17
21 22 16 00-0078	EA	1" Diameter, Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,817.21	113.17
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	194.92	28.03
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	226.68	30.13
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	405.55	54.53
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	815.27	124.18
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Diameter, Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,968.13	163.89
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Diameter, Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	57.90	8.59
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	681.10	92.09
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	2,120.19	288.13
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	2,020.34	293.53
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
		Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,767.53	263.70
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	2,005.05	298.76
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,869.95	387.16
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,871.40	473.10
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	2,073.49	333.12
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,938.90	421.65
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	3,031.94	508.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	66.72	9.59
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	66.72	9.59
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	80.49	10.65
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,271.36	182.99
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502) Note: For single row 435 cubic foot cylinders.	21.42	2.80
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503) Note: For double row 435 cubic foot cylinders.	30.39	4.00
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	23.61	3.13
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	21.82	3.13
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	94.87	13.50
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	99.54	14.14
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	115.66	16.33
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	128.91	18.45
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	147.88	21.20
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	145.29	20.90
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	150.74	21.52
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	139.04	19.92
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	142.39	21.52
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	165.30	23.67
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	176.72	25.20
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	190.25	27.04
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	327.47	47.33
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	432.98	62.08
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	471.99	68.24
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	169.19	24.57
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	199.58	28.77
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	164.24	23.67
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	175.44	25.08
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	176.99	25.20
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	213.64	30.62
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	230.26	33.19
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	353.46	50.94
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	412.70	59.63
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	452.21	65.16
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	190.25	27.04
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	233.40	33.69
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	251.04	36.27
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	353.46	50.94
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	386.20	55.82
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	453.76	65.16
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	527.56	76.40
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	623.72	90.37
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	795.60	178.28
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	1,024.66	209.01
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,309.70	350.40
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	775.76	178.28
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	858.67	124.52
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,309.70	350.40
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	792.46	178.28
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	892.46	129.40
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,284.64	350.40
21 22 16 00-0156		**Pressure Switches, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	893.44	135.86
21 22 16 00-0158		**Releasing Device Equipment, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,465.23	210.77
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	2,085.87	280.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	2,211.51	285.69
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	103.44	14.53
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	123.63	19.24
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,184.60	150.37
21 22 16 00-0165		**Replacement Orifice Plates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	129.56	14.27
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	135.79	15.03
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	142.57	15.29
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	152.99	15.80
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	159.21	17.33
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	159.95	18.73
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	350.84	50.20
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	353.97	50.72
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	453.76	64.98
21 22 16 00-0175		**Single Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	165.30	23.67
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	226.54	54.10
21 22 16 00-0178		**Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	430.71	34.98
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	362.29	52.23
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	731.44	350.40
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	227.15	32.67
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	266.64	38.11
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	726.16	350.40
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	236.49	34.21
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	277.06	39.87
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	752.26	350.40
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	46.31	2.60
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	46.82	2.86
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) Note: Includes a stainless steel inner ring and a carbon steel outer ring.	50.44	3.38
21 22 16 00-0191		**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	28.95	4.16
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	238.13	31.61
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) Note: Includes upright, left, right and center.	177.61	31.61
21 22 16 00-0195		**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0001)*		
21 22 16 00-0196		**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	186.59	27.27
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	212.06	31.09
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	269.73	39.50
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	290.53	42.56
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	363.80	53.52
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	387.20	56.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	742.16	109.59
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	59.75	8.16
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	161.64	23.70
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	237.01	34.66
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	21.62	3.16
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,862.38	274.99
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,561.22	230.39
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,211.96	178.91
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	1,055.55	155.71
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	1,055.55	155.71
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	845.58	124.62
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,561.22	230.39
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	317.54	46.64
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	398.10	58.62
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	798.28	117.74
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	134.87	19.75
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) Note: For up to 4 LDM modules.	183.45	27.27
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	317.56	46.64
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	246.81	37.97
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	15.27	2.60
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	106.60	3.16
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	16.51	3.16
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	548.69	85.12
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	328.92	50.72
21 22 16 00-0231		**Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	242.35	32.62
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	506.84	69.06
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	571.97	78.24
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	747.40	95.32
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,205.23	165.40
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	180.36	26.25
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	322.23	47.40
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	655.37	96.59
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,905.26	281.36
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,393.34	205.67
21 22 16 00-0242		**Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	146.81	21.79
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	137.17	21.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	185.95	31.09
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	275.97	40.53
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	214.60	32.87
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	201.60	31.61
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	32.12	5.04
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	118.48	17.84
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	118.50	17.33
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	42.30	14.27
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	10.90	1.58
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	114.06	16.69
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	66.83	9.84
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	180.87	26.00
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	94.60	13.76
21 22 16 00-0258		**Manual Pull Stations, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	27.22	3.70
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	16.88	2.03
21 22 16 00-0261		**Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	237.01	34.66
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	712.68	99.65
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,360.62	200.83
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	36.28	5.20
21 22 16 00-0266		**Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0001)*		
21 22 16 00-0267		**Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	184.42	24.47
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	401.45	36.88
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	1,025.66	142.72
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	1,025.66	142.72
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,541.05	214.08
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,541.05	214.08
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	2,251.41	272.70
21 22 16 00-0275		**Blank Plates, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	33.08	4.59
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	49.89	4.59
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	72.40	8.67
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	112.79	9.69
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	141.80	19.37
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	262.72	24.47
21 22 16 00-0282		**Detectors, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	7,745.51	1,197.82
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	9,882.63	1,478.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	8,936.07	1,350.73
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	12,425.82	1,783.99
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	13,082.27	1,885.94
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	12,562.52	1,809.47
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	13,267.57	1,911.42
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	13,646.60	1,987.87
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	14,238.69	2,089.82
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	14,966.14	2,191.76
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	15,605.20	2,293.71
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	14,666.00	2,089.82
21 22 16 00-0295		**Displays, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	2,356.33	280.34
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,367.82	280.34
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	2,133.95	254.86
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	2,147.30	254.86
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,654.19	305.83
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	2,255.53	265.05
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,469.02	297.67
21 22 16 00-0303		**Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	5,925.74	841.03
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,880.23	672.82
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,725.53	254.86
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,242.17	165.66
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,730.62	223.25
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	2,480.29	275.25
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	326.44	41.28
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	2,182.78	254.86
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,559.20	211.53
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,224.56	163.11
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,561.71	211.53
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,559.20	211.53
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,541.68	198.79
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	183.60	17.84
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	7,448.96	978.65
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	12,979.89	1,712.63
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	1,014.26	127.43
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	23.09	2.55
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	13.02	0.51
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	558.79	73.90
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	676.97	89.71
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	977.25	129.98
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	144.00	19.37
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	22.50	4.08
21 22 16 00-0328		**Labels And Decals, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	20.43	3.06
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	21.46	3.56
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	33.08	4.59
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	33.13	4.59

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	120.08	17.33
21 22 16 00-0334		**Mounting Hardware, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	296.49	36.70
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	399.46	48.93
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	408.73	53.52
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	993.48	76.46
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,462.91	168.21
21 22 16 00-0340		**Pipe And Fittings, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0341	LF	3/4" Diameter, Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.42	1.55
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	9.04	3.10
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	24.50	9.29
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	25.44	9.29
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	17.63	6.19
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	28.72	9.29
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	37.79	13.94
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	47.77	16.35
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	5.38	1.84
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	21.48	5.61
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	26.18	4.08
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	37.53	5.61
21 22 16 00-0353		**Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System** *(21 22 16 00-0266)*		
21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,711.37	195.73
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,744.95	225.30
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	1,056.22	137.62
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,206.83	155.46
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,711.37	195.73
21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	2,064.94	225.30
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	585.87	69.32
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	881.24	106.02
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,660.11	219.18
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,435.40	321.12
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	131.48	17.84
21 22 16 00-0367	EA	Weatherproof Back Box For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	98.35	13.25
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	3,183.22	470.21
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	97.30	10.80
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	96.16	14.02
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	57.27	8.41
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	23.41	3.41
21 22 16 00-0375		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	108.65	14.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	153.18	20.90
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,196.01	164.13
21 22 16 00-0379	EA	Surface Mounted Back Box For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	34.78	4.74
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	15.59	2.11
21 22 16 00-0381		Marine Fire Control System *(21 22 16 00-0001)*		
21 22 16 00-0382		Alarm Devices, Marine Fire Control System *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	63.02	8.56
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	116.14	16.56
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	116.14	16.56
21 22 16 00-0386		FM200 System Equipment *(21 22 16)*		
21 22 16 00-0387	EA	26 Lb. Cylinder, Filled, For FM200 Fire Protection system	3,737.71	122.95
21 22 16 00-0388	EA	44 Lb. Cylinder, Filled, For FM200 Fire Protection system	5,360.52	140.77
21 22 16 00-0389	EA	63 Lb. Cylinder, Filled, For FM200 Fire Protection system	6,363.24	165.98
21 22 16 00-0390	EA	101 Lb. Cylinder, Filled, For FM200 Fire Protection system	8,435.15	196.71
21 22 16 00-0391	EA	196 Lb. Cylinder, Filled, For FM200 Fire Protection system	13,189.29	245.90
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	809.23	245.90
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	282.54	81.76
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	347.80	61.47
21 22 16 00-0395	LB	FM200 Gas	29.01	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	6,108.40	66.14
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	871.69	92.46
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	868.20	99.10
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	215.59	35.04
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	250.92	66.14
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	1,126.83	99.10
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	836.49	261.38
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	4,420.92	491.05
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	7,151.34	983.21
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	351.31	99.10
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	3,581.92	372.16
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	381.82	99.10
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	348.37	99.10
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,614.15	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	242.28	46.10

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001 Kidde Fire Systems *(21 23 16)*
Note: Kidde or equal.

21 23 16 00-0002 Cylinders And Hardware *(21 23 16 00-0001)*

21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	1,035.06	101.85
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	1,188.26	126.86
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,455.95	156.51
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,719.19	185.71
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	58.06	5.32
21 23 16 00-0008	EA	System Valve Actuator	208.33	21.17
21 23 16 00-0009	EA	Vent Plug	39.05	4.30
21 23 16 00-0010	EA	Gauge Shield	97.33	11.32
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	107.33	11.32
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	113.76	11.99
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	216.26	22.64
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	212.21	25.69
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	288.36	25.75
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	39.06	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	41.19	
21 23 16 00-0018		Nozzles And Accessories *(21 23 16 00-0001)*		
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	96.22	10.41
21 23 16 00-0020	EA	LPF Or DM Nozzle	104.69	10.41
21 23 16 00-0021	EA	LPR Nozzle	122.13	10.41
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	72.25	7.36
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	11.38	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	7.02	0.67
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	37.78	10.35
21 23 16 00-0026		Control Systems *(21 23 16 00-0001)*		
21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,226.23	67.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	103.73	11.32
21 23 16 00-0029	EA	24" High Pressure Hose	122.93	11.32
21 23 16 00-0030	EA	60" High Pressure Hose	165.61	11.32
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	239.45	22.64
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	78.90	10.63
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	85.30	10.63
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	34.05	8.49
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	689.46	43.85
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	100.84	10.63
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	182.53	18.45
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	560.20	59.19

21 23 16 00-0039 Mechanical Actuation Components *(21 23 16 00-0001)*

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	62.73	16.98
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	89.43	16.98
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	244.57	11.32
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	186.95	11.32
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	28.11	3.05
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	391.14	18.67
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	47.13	4.98
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	98.81	5.66
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	2.79	1.13
21 23 16 00-0049	EA	Cable Clamp	13.93	0.56
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.83	0.45
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.76	0.45
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	100.57	10.52

21 23 16 00-0053 Mechanical Detection Links *(21 23 16 00-0001)*

21 23 16 00-0054	EA	KGS Standard Response Link	21.14	5.66
21 23 16 00-0055	EA	KGS Rapid Response Link	30.96	5.66
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	26.56	5.66
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	26.26	5.66
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	39.06	5.66

21 23 16 00-0059 Gas Valves *(21 23 16 00-0001)*

21 23 16 00-0060	EA	3/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	456.91	24.45
21 23 16 00-0061	EA	1" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	497.05	30.11
21 23 16 00-0062	EA	1-1/4" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	570.53	38.02
21 23 16 00-0063	EA	1-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	625.90	43.79
21 23 16 00-0064	EA	2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	675.67	51.72
21 23 16 00-0065	EA	2-1/2" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,121.28	75.60
21 23 16 00-0066	EA	3" Diameter NPT, Mechanical Cable Operated Gas Shut-off Valve	1,251.81	87.48
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	519.03	27.61
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	63.93	
21 23 16 00-0069	EA	1/2" Diameter, Electric Solenoid Gas Shut-off Valve	477.19	22.75
21 23 16 00-0070	EA	3/4" Diameter, Electric Solenoid Gas Shut-off Valve	480.61	24.45
21 23 16 00-0071	EA	1" Diameter, Electric Solenoid Gas Shut-off Valve	742.55	30.11
21 23 16 00-0072	EA	1-1/4" Diameter, Electric Solenoid Gas Shut-off Valve	785.55	38.02
21 23 16 00-0073	EA	1-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	901.87	43.79
21 23 16 00-0074	EA	2" Diameter, Electric Solenoid Gas Shut-off Valve	1,159.89	51.72
21 23 16 00-0075	EA	2-1/2" Diameter, Electric Solenoid Gas Shut-off Valve	1,918.73	75.60
21 23 16 00-0076	EA	3" Diameter, Electric Solenoid Gas Shut-off Valve	2,411.59	87.48
21 23 16 00-0077	EA	Manual Reset Relay	642.31	113.73

21 23 16 00-0078 Liquid Tight Sealing Adapters *(21 23 16 00-0001)*

21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	51.83	4.75
21 23 16 00-0080	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe, Compression Seal Adapter	50.96	5.21
21 23 16 00-0081	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe, Compression Seal Adapter	59.83	6.22
21 23 16 00-0082	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe, Compression Seal Adapter	69.13	6.68
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	59.83	6.22
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	50.96	5.21
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	50.96	5.21
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	83.64	8.83
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	111.38	11.66
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	50.96	

21 23 16 00-0089 Pressure Operated Releasing Systems *(21 23 16 00-0001)*

21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	371.37	34.18
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	332.11	34.86
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	264.29	8.60
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	953.91	98.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	203.03	21.05
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	309.50	21.05
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	307.51	14.94
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	93.61	9.51
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	12.37	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	764.56	79.22
21 23 16 00-0100		**Pyro-Chem Kitchen Fire Suppression Systems** *(21 23 16)*		
21 23 16 00-0101		**Cylinders, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	1,163.32	80.35
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	1,675.65	115.77
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	2,195.97	158.32
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	236.70	18.90
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	1,558.83	123.58
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	951.77	75.37
21 23 16 00-0108		**Fusible Links, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	30.73	2.49
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	30.73	2.49
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	31.51	2.49
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	30.73	2.49
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	30.73	2.49
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	33.57	2.49
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	53.23	4.19
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	69.07	5.55
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	69.32	28.63
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	657.18	63.71
21 23 16 00-0119		**Gas Valves, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0120	EA	3/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	569.10	24.45
21 23 16 00-0121	EA	1" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	646.62	30.11
21 23 16 00-0122	EA	1-1/4" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	694.07	38.02
21 23 16 00-0123	EA	1-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	762.17	43.68
21 23 16 00-0124	EA	2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	875.80	51.61
21 23 16 00-0125	EA	2-1/2" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	2,071.25	75.48
21 23 16 00-0126	EA	3" Diameter, Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	2,205.41	87.36
21 23 16 00-0127	EA	3/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	442.94	24.45
21 23 16 00-0128	EA	1" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	763.31	30.11
21 23 16 00-0129	EA	1-1/4" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	791.81	38.02
21 23 16 00-0130	EA	1-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	900.90	43.68
21 23 16 00-0131	EA	2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	1,254.21	51.61
21 23 16 00-0132	EA	2-1/2" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	2,443.32	75.48
21 23 16 00-0133	EA	3" Diameter, Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	2,571.22	87.36
21 23 16 00-0134		**Nozzles, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	110.43	8.38
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	157.73	10.63
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	630.59	10.63
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	40.66	3.28
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	1,332.03	106.26
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	1,697.07	135.92
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	870.70	69.60
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	1,050.65	83.86
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	960.67	76.73
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	1,002.50	80.23
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	1,306.03	104.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	1,498.05	119.96
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	121.67	9.74
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	31.00	1.58
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	31.72	2.03
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	97.58	7.80
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	1.18	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	106.14	8.49
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	212.60	16.87
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	449.93	35.76
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	2.10	0.34
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	1.13	0.34
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	5.29	0.45
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.82	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	100.77	8.15
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	105.22	8.49
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	12.34	1.02
21 23 16 00-0169	EA	225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	145.10	11.09
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	20.28	1.58
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	28.21	2.27
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	12.34	1.02
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	17.37	1.36
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	16.98	1.36
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	4.86	0.34
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	8.23	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	157.16	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	1,079.17	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	1,396.81	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	1,611.12	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	49.41	3.85
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	51.16	4.08
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	98.54	7.80
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	139.42	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	299.71	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	198.97	15.96
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	208.84	22.40
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	53.23	4.19
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	6.51	1.47
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	2,608.84	248.97
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	2,696.48	248.97
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	879.75	56.58
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	822.50	56.58

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)* Note: Amerex or equal.		
21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	644.53	87.82
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	898.61	110.73
21 24 16 00-0004	EA	Recharge 3.75 Gallon - KP Liquid Agent	213.42	
21 24 16 00-0005	EA	Recharge 6 Gallon - KP Liquid Agent	375.17	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	149.39	18.44
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	87.03	10.69
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	37.74	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	149.39	18.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	375.17	46.21
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	199.95	24.58
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	243.97	24.58
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	595.33	73.37
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	44.93	5.53
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	199.95	24.58
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	35.95	4.43
21 24 16 00-0017	EA	Detector	26.96	3.32
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	10.11	1.23
21 24 16 00-0019	EA	Test Link	3.25	
21 24 16 00-0020	EA	Corner Pulley	13.93	1.72
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	224.64	27.65
21 24 16 00-0022	EA	Pulley Tee	101.09	12.41
21 24 16 00-0023	EA	Manual Pull Station (Standard)	89.85	11.06
21 24 16 00-0024	EA	Manual Recess Standard Pull Station, Adapter Kit	42.16	5.16
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	100.19	12.29
21 24 16 00-0026	EA	Conduit Offset	19.99	2.46
21 24 16 00-0027	EA	3/8" Diameter Pipe Thread, Seal (Quick-Seal)	27.54	3.44
21 24 16 00-0028	EA	1/2" Diameter Pipe Thread, Seal (Quick-Seal	22.47	2.83
21 24 16 00-0029	EA	3/8" Diameter Pipe Compression Seal	37.51	4.67
21 24 16 00-0030	EA	1/2" Diameter Pipe Compression Seal	37.51	4.67
21 24 16 00-0031	EA	Standard Cap, Nozzle Blow-Off	10.59	3.19
21 24 16 00-0032	EA	High Temperature Cap, Nozzle Blow-Off	24.98	3.19
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	44.92	5.53
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	44.92	5.53
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	44.92	5.53
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	44.92	5.53
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	44.92	5.53
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	64.61	7.99
21 24 16 00-0039	EA	3/4" Or 1" Diameter, Mechanical Gas Valve	358.04	32.57
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Diameter, Mechanical Gas Valve	421.41	47.31
21 24 16 00-0041	EA	2" Diameter, Mechanical Gas Valve	524.96	55.92
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	566.11	69.69
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	29.79	3.68
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	48.08	5.90
21 24 16 00-0045	EA	Gas Valve Trip Assembly	101.09	12.41

21 24 16 00-0046 Range Guard Fire Suppression Systems *(21 24 16)*

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	684.23	94.94
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	854.11	118.49
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	1,054.45	146.33
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	1,252.45	173.72
21 24 16 00-0051	EA	Vent Plug	28.74	3.96
21 24 16 00-0052	EA	Discharge Adapter Kit	37.02	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	76.16	10.52
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	80.60	11.21
21 24 16 00-0055	EA	4 Gallon Wall Bracket	152.23	21.17
21 24 16 00-0056	EA	6 Gallon Wall Bracket	168.71	23.42
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	595.18	82.61
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	620.95	86.12
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	712.34	98.79
21 24 16 00-0060	EA	Tandem Control Head	541.29	75.15
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	916.19	127.09
21 24 16 00-0062	EA	Mechanical Control Box	407.72	56.58
21 24 16 00-0063	EA	Tandem Control Box	407.72	56.58
21 24 16 00-0064	EA	Mechanical Control Box Adapter	119.51	16.63
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	359.14	49.79
21 24 16 00-0066	EA	Pressure Operated Actuator	147.62	20.48
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	239.01	33.16
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	243.70	33.83
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	59.74	8.26
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	689.64	95.63
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	147.63	20.48
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	147.63	20.48
21 24 16 00-0073	EA	Check Valve	123.90	24.33
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	66.78	9.28
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	29.06	4.03
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	7.64	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	152.31	21.17
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	69.82	9.74
21 24 16 00-0079	EA	Nozzles; DM And LPF	77.79	10.75
21 24 16 00-0080	EA	Swivel Adapter	49.21	6.79
21 24 16 00-0081	EA	Corner Pulley	21.09	2.94
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.93	0.34
21 24 16 00-0083	EA	Cable Crimp Sleeve	1.13	0.34
21 24 16 00-0084	EA	"S" Hook	0.88	0.22
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	72.62	10.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0086	EA	Cable Clamp	6.48	0.91
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.89	0.22
21 24 16 00-0088	EA	3/8" Cable Anchor	76.74	10.63
21 24 16 00-0089	EA	1/2" Cable Anchor	76.74	10.63
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	124.12	17.20
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	132.46	18.34
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	155.20	21.50
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	48.62	6.79
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	203.76	28.17
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	155.20	21.50
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	185.01	25.69
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	33.25	4.64
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	36.92	5.10
21 24 16 00-0099	EA	Fusible Link 165F To 360F	12.09	1.70
21 24 16 00-0100	EA	Fusible Link 500F	19.12	1.70
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	36.92	5.10
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	27.18	5.10
21 24 16 00-0103	EA	Quartzoid Link 400 F	199.06	27.61
21 24 16 00-0104	EA	Quartzoid Link 500 F	199.06	27.61
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	71.34	9.85
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	124.12	17.20
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	73.77	10.18
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	127.85	17.76
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	93.68	13.01
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	135.13	18.67
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	395.80	54.89
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	178.00	24.67
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	178.00	24.67
21 24 16 00-0114	EA	Electric Manual Pull Station	129.99	17.99
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	72.61	10.07
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	103.05	14.26
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	8.35	1.13
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	36.92	5.10
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	36.92	5.10
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	135.84	18.79
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	149.89	20.82
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	3.96	1.47
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	18.74	2.60
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	201.41	27.95
21 24 16 00-0125	EA	Suppression Abort Station	213.12	29.53
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	248.25	34.41
21 24 16 00-0127	EA	Surface Mount Back Box	81.98	11.32
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,522.29	210.83
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,522.29	210.83
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	126.47	17.54
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	4.87	0.80
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	1,100.66	
21 24 16 00-0133	EA	Extra Scorpio Key	18.73	
21 24 16 00-0134	EA	Extra Scorpio Manual	11.71	
21 24 16 00-0135	EA	3/8" Diameter Pipe Compression Seal Adapter	31.85	4.41
21 24 16 00-0136	EA	1/2" Diameter Tubing, 1/4" Diameter Pipe Compression Seal Adapter	34.58	4.75
21 24 16 00-0137	EA	5/8" Diameter Tubing, 3/8" Diameter Pipe Compression Seal Adapter	41.60	5.77
21 24 16 00-0138	EA	3/4" Diameter Tubing, 1/2" Diameter Pipe Compression Seal Adapter	44.49	6.11
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	34.58	4.75
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	34.58	4.75
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	59.16	8.26
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	78.45	10.86
21 24 16 00-0143	EA	Up To 1-1/8" Diameter Quik Patch	34.58	4.75
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	76.97	
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	132.31	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	199.99	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	292.64	
21 24 16 00-0148	EA	Inlet Flushing Adapter	57.37	7.92
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	57.37	7.92
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	57.37	7.92
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	57.37	7.92
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	57.37	7.92
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	79.62	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	6.37	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	7.64	
21 24 16 00-0156	EA	Inspection Label, Authorized Installers Only	5.36	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	3.83	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	1,006.99	139.53
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	1,175.63	162.85
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,463.70	202.80
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,463.70	202.80
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,840.73	254.97
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	872.35	120.86
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	819.65	113.51
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	662.75	91.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,147.51	159.01
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	1,051.48	145.64

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 13 00-0002	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	24,372.65	1,950.55
		For Duplex Pumping System, Add	*22,422.10*	
21 31 13 00-0003	EA	30 HP, 500 GPM, Electric-Drive Fire Pump	28,159.35	2,194.37
		For Duplex Pumping System, Add	*26,127.53*	
21 31 13 00-0004	EA	40 HP, 750 GPM, Electric-Drive Fire Pump	37,818.16	2,438.19
		For Duplex Pumping System, Add	*35,560.58*	
21 31 13 00-0005	EA	50 HP, 1,000 GPM, Electric-Drive Fire Pump	46,502.88	2,681.94
		For Duplex Pumping System, Add	*43,820.94*	
21 31 13 00-0006	EA	75 HP, 1,000 GPM, Electric-Drive Fire Pump	51,839.03	2,925.76
		For Duplex Pumping System, Add	*48,913.28*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	81,681.70	2,194.32
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	92,416.35	2,438.13
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	97,058.73	2,681.94
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	110,497.61	2,925.76
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	117,171.50	3,413.38
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	125,856.58	4,388.64
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	136,571.17	4,876.26
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	156,171.98	5,558.94
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	187,303.85	5,997.80
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	219,837.24	6,826.78
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	261,220.59	7,314.40
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	294,314.95	7,802.03

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Excludes controller

21 34 13 00-0002	EA	1-1/2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	2,559.78	253.91
21 34 13 00-0003	EA	2 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	2,668.65	277.66
21 34 13 00-0004	EA	3 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,291.72	306.88
21 34 13 00-0005	EA	5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	3,608.36	365.34
21 34 13 00-0006	EA	7.5 HP, 1-1/2" Diameter Pipe Connection, Jockey Pump	5,330.92	449.37

21 34 13 00-0007 Jockey Pump Controllers *(21 34 13)*

21 34 13 00-0008	EA	Up To 2 HP Jockey Pump Controller	677.68	73.07
21 34 13 00-0009	EA	>2 To 7.5 HP Jockey Pump Controller	1,051.68	73.07

END OF SECTION 21

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	46.71
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	48.57
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	53.41
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	56.95
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	61.64
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	78.55
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	99.69
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	115.61
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	132.47
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	73.94
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	77.89
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	86.21
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	94.75
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	104.42
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	134.83
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	163.22
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	185.62
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	210.40
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	105.24
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	109.42
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	120.91
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	132.61
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	149.72
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	182.93
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	214.28
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	258.03
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	318.11
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	326.13
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	349.61

22 01 10 61-0031 Replace Drain Covers *(22 01 10 61)*

22 01 10 61-0032	EA	4-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	58.48
22 01 10 61-0033	EA	4-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	58.50
22 01 10 61-0034	EA	5" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	41.91
22 01 10 61-0035	EA	5-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	66.64
22 01 10 61-0036	EA	5-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	66.51
22 01 10 61-0037	EA	6" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	50.24
22 01 10 61-0038	EA	6-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	57.94
22 01 10 61-0039	EA	6-3/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	80.67
22 01 10 61-0040	EA	6-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	64.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 10 61-0041	EA	6-5/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	64.99	
22 01 10 61-0042	EA	6-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	67.07	
22 01 10 61-0043	EA	6-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	88.05	
22 01 10 61-0044	EA	7" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	72.14	
22 01 10 61-0045	EA	7-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	75.57	
22 01 10 61-0046	EA	7-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	80.59	
22 01 10 61-0047	EA	7-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	83.74	
22 01 10 61-0048	EA	7-7/8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	106.53	
22 01 10 61-0049	EA	8" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	90.56	
22 01 10 61-0050	EA	8-1/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	95.04	
22 01 10 61-0051	EA	8-1/2" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	98.46	
22 01 10 61-0052	EA	8-3/4" Diameter, 1/4" Thick, Cast Iron Drain Cover Replacement	109.30	
22 01 10 61-0053	EA	9" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	128.77	
22 01 10 61-0054	EA	9-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	141.28	
22 01 10 61-0055	EA	9-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	149.14	
22 01 10 61-0056	EA	9-5/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	175.37	
22 01 10 61-0057	EA	9-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	158.82	
22 01 10 61-0058	EA	10" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	160.22	
22 01 10 61-0059	EA	10-1/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	181.95	
22 01 10 61-0060	EA	10-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.21	
22 01 10 61-0061	EA	10-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.64	
22 01 10 61-0062	EA	10-3/4" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.31	
22 01 10 61-0063	EA	10-7/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	184.11	
22 01 10 61-0064	EA	11" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.09	
22 01 10 61-0065	EA	11-3/8" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	183.02	
22 01 10 61-0066	EA	11-1/2" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	182.43	
22 01 10 61-0067	EA	12" Diameter, 5/16" Thick, Cast Iron Drain Cover Replacement	166.20	
22 01 10 61-0068	EA	4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	47.93	
22 01 10 61-0069	EA	4-1/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	51.94	
22 01 10 61-0070	EA	4-3/4" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	61.35	
22 01 10 61-0071	EA	5-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	80.86	
22 01 10 61-0072	EA	7-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	121.43	
22 01 10 61-0073	EA	9-1/2" Diameter, 0.15" Thick, Slotted Polished Cast Brass Drain Cover Replacement	182.36	

22 01 10 61-0074 Repair And Tape Pipe Insulation Seam *(22 01 10 61)*

22 01 10 61-0075	LF	Repair and Taping Of Damaged Pipe Insulation Seam	1.29	

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Diameter Compression Shut-off Valve With 15" Polybutylene Supply Tube	63.58	
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Diameter Compression x 1/2" Diameter FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory	23.62	
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair	30.86	
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line	43.15	
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line	67.01	
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome	43.24	
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm	44.82	
22 01 40 81-0009	EA	Removal And Replacement Of Shower Head	53.52	
22 01 40 81-0010	EA	Removal And Replacement Of Shower Knob	41.54	
22 01 40 81-0011	EA	Removal And Replacement Of Shower and Tub Control Trim Note: Excludes balancing valve.	122.42	
22 01 40 81-0012	EA	Removal And Replacement Of Sink Basket Strainer	33.90	
22 01 40 81-0013	EA	Removal And Replacement Of 1-1/2" Sink Drain Without Stopper	18.04	
22 01 40 81-0014	EA	Removal And Replacement Of 4-1/2" Sink Drain Without Stopper	18.97	
22 01 40 81-0015	EA	Removal And Replacement Of 1-1/2" Sink Drain With Stopper	18.04	
22 01 40 81-0016	EA	Removal And Replacement Of 1" Sink Rubber Stopper	9.75	
22 01 40 81-0017	EA	Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" Diameter x 8"	28.46	
22 01 40 81-0018	EA	Removal And Replacement Of Sink Trap, Adjustable, 1-1/2" Diameter	47.78	
22 01 40 81-0019	EA	Removal And Replacement Of Lavatory Pop-Up Rod	34.58	
22 01 40 81-0020	EA	Removal And Replacement Of Lavatory Pop-up Drain Stopper	34.48	
22 01 40 81-0021	EA	Removal And Replacement Of Faucet Handle	39.08	
22 01 40 81-0022	EA	Removal And Replacement Of Faucet O-Ring	28.93	
22 01 40 81-0023	EA	Removal And Replacement Of 1-1/2" Diameter Faucet Hole Cover	21.65	
22 01 40 81-0024	EA	Removal And Replacement Of Toilet Ballcock	40.62	
22 01 40 81-0025	EA	Removal And Replacement Of Toilet Bowl Ring, Flat Wax Note: Excludes removal of toilet.	10.22	
22 01 40 81-0026	EA	Removal And Replacement Of Toilet Tank	160.92	
22 01 40 81-0027	EA	Removal And Replacement Of 10" Toilet Bowl	202.53	
22 01 40 81-0028	EA	Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl	217.60	
22 01 40 81-0029	EA	Removal And Replacement Of 12" Toilet Bowl	232.14	
22 01 40 81-0030	EA	Removal And Replacement Of 18", Elongated, Toilet Bowl	207.59	
22 01 40 81-0031	EA	Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers	25.19	
22 01 40 81-0032	EA	Removal And Replacement Of Toilet Flapper With Chain	18.61	
22 01 40 81-0033	EA	Removal And Replacement Of Toilet Flush Tank Lever	20.08	
22 01 40 81-0034	EA	Removal And Replacement Of Elongated Toilet Seat With Lid	76.04	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0035	EA	Removal And Replacement Of Elongated Toilet Seat Without Lid	78.05	
22 01 40 81-0036	EA	Removal And Replacement Of Handicap Toilet Seat, Complete With Rails	332.43	
22 01 40 81-0037	EA	Removal And Replacement Of Diverter Tub Spout	66.33	
22 01 40 81-0038	EA	Removal And Replacement Of Tub Spout	46.30	
22 01 40 81-0039	EA	Removal And Replacement Of 2" Tub Stopper	11.42	
22 01 40 81-0040	EA	Removal And Replacement Of Tub Waste/Overflow	78.58	
22 01 40 81-0041	EA	Removal And Replacement Of Tub Stem Bonnet Assembly	40.47	
22 01 40 81-0042	EA	Removal And Replacement Of Faucet Bonnet	44.58	
22 01 40 81-0043	EA	Removal And Replacement Of Faucet Diverter Stem	27.99	
22 01 40 81-0044	EA	Removal And Replacement Of Faucet Diverter Stem And Bonnet	37.12	
22 01 40 81-0045	EA	Removal And Replacement Of Faucet Spout	42.09	
22 01 40 81-0046	EA	Removal And Replacement Of Faucet Stem	30.97	
22 01 40 81-0047	EA	Removal And Replacement Of Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard	235.73	
22 01 40 81-0048	EA	Removal And Replacement Of Brass, Chrome Plated Drinking Fountain Bubbler Valve	297.09	
22 01 40 81-0049	EA	Removal And Replacement Of Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve	179.31	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for additional valves.

22 05 23 00-0001 Gate Valves *(22 05 23)*

22 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(22 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0003	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	99.43	12.29
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*10.74*	
22 05 23 00-0004	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	101.31	12.29
		For 150 Lb. Rating, Add	*6.36*	
		For 200 Lb. Rating, Add	*9.55*	
		For Work In Restricted Working Space, Add	*11.30*	
22 05 23 00-0005	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	103.66	12.29
		For 150 Lb. Rating, Add	*6.40*	
		For 200 Lb. Rating, Add	*9.60*	
		For Work In Restricted Working Space, Add	*11.90*	
22 05 23 00-0006	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	122.22	13.52
		For 150 Lb. Rating, Add	*6.88*	
		For 200 Lb. Rating, Add	*10.32*	
		For Work In Restricted Working Space, Add	*16.03*	
22 05 23 00-0007	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	148.96	15.36
		For 150 Lb. Rating, Add	*8.43*	
		For 200 Lb. Rating, Add	*12.64*	
		For Work In Restricted Working Space, Add	*19.41*	
22 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	219.53	16.35
		For 150 Lb. Rating, Add	*13.76*	
		For 200 Lb. Rating, Add	*20.64*	
		For Work In Restricted Working Space, Add	*24.58*	
22 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	244.08	18.92
		For 150 Lb. Rating, Add	*14.95*	
		For 200 Lb. Rating, Add	*22.43*	
		For Work In Restricted Working Space, Add	*28.36*	
22 05 23 00-0010	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	292.90	22.36
		For 150 Lb. Rating, Add	*18.12*	
		For 200 Lb. Rating, Add	*27.18*	
		For Work In Restricted Working Space, Add	*33.52*	
22 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	676.40	30.22
		For 150 Lb. Rating, Add	*52.55*	
		For 200 Lb. Rating, Add	*78.83*	
		For Work In Restricted Working Space, Add	*45.27*	
		For Chain Operated Type, Add	*236.48*	
22 05 23 00-0012	EA	3" Diameter, 125 Lb. Brazed Or Soldered Bronze Gate Valve	794.22	35.08
		For 150 Lb. Rating, Add	*62.01*	
		For 200 Lb. Rating, Add	*93.02*	
		For Work In Restricted Working Space, Add	*52.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0013		Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(22 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, NIBCO T113-LF)		
22 05 23 00-0014	EA	1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	120.63	12.29
		For 150 Lb. Rating, Add	*8.48*	
		For 200 Lb. Rating, Add	*12.73*	
		For Work In Restricted Working Space, Add	*10.74*	
22 05 23 00-0015	EA	3/8" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	122.33	12.29
		For 150 Lb. Rating, Add	*8.47*	
		For 200 Lb. Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*11.30*	
22 05 23 00-0016	EA	1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	142.84	12.29
		For 150 Lb. Rating, Add	*10.32*	
		For 200 Lb. Rating, Add	*15.48*	
		For Work In Restricted Working Space, Add	*11.90*	
22 05 23 00-0017	EA	3/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	161.41	13.52
		For 150 Lb. Rating, Add	*10.80*	
		For 200 Lb. Rating, Add	*16.20*	
		For Work In Restricted Working Space, Add	*16.03*	
22 05 23 00-0018	EA	1" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	193.67	15.36
		For 150 Lb. Rating, Add	*12.90*	
		For 200 Lb. Rating, Add	*19.35*	
		For Work In Restricted Working Space, Add	*19.41*	
22 05 23 00-0019	EA	1-1/4" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	280.68	16.35
		For 150 Lb. Rating, Add	*19.87*	
		For 200 Lb. Rating, Add	*29.81*	
		For Work In Restricted Working Space, Add	*24.58*	
22 05 23 00-0020	EA	1-1/2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	321.00	18.92
		For 150 Lb. Rating, Add	*22.65*	
		For 200 Lb. Rating, Add	*33.97*	
		For Work In Restricted Working Space, Add	*28.36*	
22 05 23 00-0021	EA	2" Diameter, 125 Lb. Brazed Or Soldered Bronze Lead Free Gate Valve	411.75	22.36
		For 150 Lb. Rating, Add	*30.00*	
		For 200 Lb. Rating, Add	*45.00*	
		For Work In Restricted Working Space, Add	*33.52*	
22 05 23 00-0022		200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves *(22 05 23 00-0001)*		
		Note: 200 psi cold working pressure.		
22 05 23 00-0023	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	138.60	12.29
		For Work In Restricted Working Space, Add	*8.30*	
22 05 23 00-0024	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	156.07	13.52
		For Work In Restricted Working Space, Add	*9.45*	
22 05 23 00-0025	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	205.41	15.36
		For Work In Restricted Working Space, Add	*11.29*	
22 05 23 00-0026	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	280.84	16.35
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0027	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	325.72	18.92
		For Work In Restricted Working Space, Add	*13.83*	
22 05 23 00-0028	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve	448.97	22.36
		For Work In Restricted Working Space, Add	*16.59*	
22 05 23 00-0029		Ball Valves *(22 05 23)*		
22 05 23 00-0030		Crimped Bronze, Ball Valves *(22 05 23 00-0029)*		
22 05 23 00-0031		Crimped Bronze, 250 PSI, Ball Valves *(22 05 23 00-0030)*		
		Note: NIBCO		
22 05 23 00-0032	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	94.66	12.29
		For Work In Restricted Working Space, Add	*8.30*	
22 05 23 00-0033	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	122.81	13.52
		For Work In Restricted Working Space, Add	*9.45*	
22 05 23 00-0034	EA	1" Diameter, Crimped Bronze, 250 PSI, Ball Valve	157.84	15.36
		For Work In Restricted Working Space, Add	*11.29*	
22 05 23 00-0035	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Ball Valve	256.47	16.35
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0036	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	339.64	18.92
		For Work In Restricted Working Space, Add	*13.83*	
22 05 23 00-0037	EA	2" Diameter, Crimped Bronze, 250 PSI, Ball Valve	512.97	22.36
		For Work In Restricted Working Space, Add	*16.59*	
22 05 23 00-0038		Crimped Bronze, 200 PSI, Full Port Ball Valves *(22 05 23 00-0030)*		
22 05 23 00-0039	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	56.88	12.29
		For Work In Restricted Working Space, Add	*8.30*	
22 05 23 00-0040	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	72.57	13.52
		For Work In Restricted Working Space, Add	*9.45*	
22 05 23 00-0041	EA	1" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	88.20	15.36
		For Work In Restricted Working Space, Add	*11.29*	
22 05 23 00-0042	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	123.65	16.35
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0043	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	159.85	18.92
		For Work In Restricted Working Space, Add	*13.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0044	EA	2" Diameter, Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	237.01	22.36
		For Work In Restricted Working Space, Add	*16.59*	

22 05 23 00-0045 Crimped Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0046	EA	1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	65.57	12.29
		For Work In Restricted Working Space, Add	*8.30*	
22 05 23 00-0047	EA	3/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	78.89	13.52
		For Work In Restricted Working Space, Add	*9.45*	
22 05 23 00-0048	EA	1" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	98.31	15.36
		For Work In Restricted Working Space, Add	*11.29*	
22 05 23 00-0049	EA	1-1/4" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	155.24	16.35
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0050	EA	1-1/2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	227.79	18.92
		For Work In Restricted Working Space, Add	*13.83*	
22 05 23 00-0051	EA	2" Diameter, Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	316.01	22.36
		For Work In Restricted Working Space, Add	*16.59*	

22 05 23 00-0052 Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves *(22 05 23 00-0030)*

22 05 23 00-0053	EA	1/2" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	63.20	12.29
		For Work In Restricted Working Space, Add	*8.30*	
22 05 23 00-0054	EA	3/4" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	76.68	13.52
		For Work In Restricted Working Space, Add	*9.45*	
22 05 23 00-0055	EA	1" Diameter, Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	93.25	15.36
		For Work In Restricted Working Space, Add	*11.29*	

22 05 23 00-0056 Check Valves *(22 05 23)*

22 05 23 00-0057 Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves *(22 05 23 00-0056)*

Note: NIBCO

22 05 23 00-0058	EA	1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	182.51	12.29
		For Work In Restricted Working Space, Add	*8.30*	
22 05 23 00-0059	EA	3/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	232.59	13.52
		For Work In Restricted Working Space, Add	*9.45*	
22 05 23 00-0060	EA	1" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	321.94	15.36
		For Work In Restricted Working Space, Add	*11.29*	
22 05 23 00-0061	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	429.79	16.35
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0062	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	512.99	18.92
		For Work In Restricted Working Space, Add	*13.83*	
22 05 23 00-0063	EA	2" Diameter, Crimped Bronze, 200 PSI, Y-Pattern Check Valve	734.87	22.36
		For Work In Restricted Working Space, Add	*16.59*	

22 05 23 00-0064 Crimped Bronze, 250 PSI, In-Line, Check Valves *(22 05 23 00-0056)*

22 05 23 00-0065	EA	1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	50.21	12.29
		For Work In Restricted Working Space, Add	*8.30*	
22 05 23 00-0066	EA	3/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	60.36	13.52
		For Work In Restricted Working Space, Add	*9.45*	
22 05 23 00-0067	EA	1" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	70.91	15.36
		For Work In Restricted Working Space, Add	*11.29*	
22 05 23 00-0068	EA	1-1/4" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	89.59	16.35
		For Work In Restricted Working Space, Add	*12.44*	
22 05 23 00-0069	EA	1-1/2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	114.39	18.92
		For Work In Restricted Working Space, Add	*13.83*	
22 05 23 00-0070	EA	2" Diameter, Crimped Bronze, 200 PSI, In-Line Check Valve	179.61	22.36
		For Work In Restricted Working Space, Add	*16.59*	

22 05 23 00-0071 Butterfly Valves *(22 05 23)*

22 05 23 00-0072 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(22 05 23 00-0071)*

22 05 23 00-0073	EA	2-1/2" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,373.08	32.81
		For Work In Restricted Working Space, Add	*19.36*	
22 05 23 00-0074	EA	3" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,486.04	38.10
		For Work In Restricted Working Space, Add	*23.05*	
22 05 23 00-0075	EA	4" Diameter, Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,857.31	43.02
		For Work In Restricted Working Space, Add	*30.42*	

22 05 23 00-0076 Regulator Valves *(22 05 23)*

22 05 23 00-0077	EA	4" Diameter, Regulator Valve (Cla-Val)	4,031.21	
22 05 23 00-0078	EA	8" Diameter, Regulator Valve (Cla-Val)	5,484.23	
22 05 23 00-0079	EA	10" Diameter, Regulator Valve (Cla-Val)	7,473.16	
22 05 23 00-0080	EA	12" Diameter, Regulator Valve (Cla-Val)	9,058.16	
22 05 23 00-0081	EA	18" Diameter, Regulator Valve (Cla-Val)	15,957.28	
22 05 23 00-0082	EA	24" Diameter, Regulator Valve (Cla-Val)	25,813.14	

22 05 23 00-0083 Earthquake-Sensitive Gas Shut-Off Valves *(22 05 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0084		**0.5 PSI Threaded Earthquake Gas Shutoff Valves** *(22 05 23 00-0083)*		
22 05 23 00-0085	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	186.64	13.52
22 05 23 00-0086	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	211.34	15.36
22 05 23 00-0087		**7 PSI Threaded Earthquake Gas Shutoff Valves** *(22 05 23 00-0083)*		
22 05 23 00-0088	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	246.92	16.35
22 05 23 00-0089	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	332.85	18.92
22 05 23 00-0090		**60 PSI Threaded Earthquake Gas Shutoff Valves** *(22 05 23 00-0083)*		
22 05 23 00-0091	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	230.63	13.52
22 05 23 00-0092	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	241.89	15.36
22 05 23 00-0093	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	271.37	16.35
22 05 23 00-0094	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	369.51	18.92
22 05 23 00-0095	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	844.99	22.36
22 05 23 00-0096	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,005.84	30.11
22 05 23 00-0097	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,304.54	35.08
22 05 23 00-0098	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,511.82	39.61
22 05 23 00-0099		**60 PSI Flanged Earthquake Gas Shutoff Valves** *(22 05 23 00-0083)*		
22 05 23 00-0100	EA	2" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,182.51	163.83
22 05 23 00-0101	EA	3" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,456.77	192.39
22 05 23 00-0102	EA	4" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,054.02	322.53
22 05 23 00-0103	EA	6" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	3,356.70	386.42
22 05 23 00-0104	EA	8" Diameter Flanged, 60 PSI Earthquake Gas Shutoff Valve	9,045.85	493.76

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment *(22 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

Note: For floor installation.

22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*

22 05 76 00-0003	EA	2" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	767.71	65.38
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	
22 05 76 00-0004	EA	3" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	827.30	81.98
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	
22 05 76 00-0005	EA	4" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,033.66	99.06
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	
22 05 76 00-0006	EA	5" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,489.89	110.85
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0007	EA	6" Diameter, Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,837.23	120.07
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	

22 05 76 00-0008 Cast Iron Heavy-Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*

22 05 76 00-0009	EA	2" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	886.79	65.38
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	
22 05 76 00-0010	EA	3" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	948.27	81.98
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	
22 05 76 00-0011	EA	4" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,154.63	99.06
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	
22 05 76 00-0012	EA	5" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,610.86	110.85
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	
22 05 76 00-0013	EA	6" Diameter, Heavy-Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,958.20	120.07
		For Satin Bronze Top, Deduct	*-24.00*	
		For Vandal Proof, Add	*19.50*	
		For Wide Flange, Add	*97.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Galvanized Ferrule, Add	*45.00*	

22 05 76 00-0014 Wall Cover For Cleanout *(22 05 76)*

Note: Cover and screw only.

22 05 76 00-0015 Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	89.82	20.52
		For Vandal Proof Screws, Add	*19.50*	
		For Stainless Steel, Add	*9.00*	
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	98.02	24.58
		For Vandal Proof Screws, Add	*19.50*	
		For Stainless Steel, Add	*9.00*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	123.46	27.65
		For Vandal Proof Screws, Add	*19.50*	
		For Stainless Steel, Add	*9.00*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	201.60	30.73
		For Vandal Proof Screws, Add	*19.50*	
		For Stainless Steel, Add	*9.00*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	297.76	33.80
		For Vandal Proof Screws, Add	*19.50*	
		For Stainless Steel, Add	*9.00*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	589.82	20.52
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	851.06	21.51
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	909.41	22.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	1,017.20	25.81
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0026		Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	600.31	20.52
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	866.51	21.51
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	925.93	22.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	1,035.67	25.81
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0031		Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	582.19	20.52
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	806.95	21.51
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	1,146.05	22.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	1,387.85	25.81
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0036		Cast Iron Cleanout Tee *(22 05 76)*		
22 05 76 00-0037		Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0038	EA	2" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	553.61	65.38
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0039	EA	3" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	630.74	81.85
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0040	EA	4" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	825.52	99.06
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0041	EA	6" Diameter, Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	2,001.66	120.07
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0042		Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*		
		Note: Satin smooth secured cover.		
22 05 76 00-0043	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	976.48	65.38
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0044	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,053.61	81.85
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0045	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,220.33	99.06
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0046	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	2,572.84	120.07
		For Galvanized Cast Iron Parts, Add	*45.00*	
		For Vandal Proof Screws, Add	*18.00*	
22 05 76 00-0047		Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*		
22 05 76 00-0048	EA	2" Diameter, Cleanout Tee With Cast Bronze Screw Plug	453.93	53.46
22 05 76 00-0049	EA	3" Diameter, Cleanout Tee With Cast Bronze Screw Plug	507.89	58.38
22 05 76 00-0050	EA	4" Diameter, Cleanout Tee With Cast Bronze Screw Plug	677.16	76.82
22 05 76 00-0051	EA	5" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,024.35	90.95
22 05 76 00-0052	EA	6" Diameter, Cleanout Tee With Cast Bronze Screw Plug	1,759.59	107.54
22 05 76 00-0053		Removable Cleanout Plug *(22 05 76)*		
22 05 76 00-0054		Threaded Bronze Plugs *(22 05 76 00-0053)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Diameter, Threaded Bronze Plug	84.76	15.36
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Diameter, Threaded Bronze Plug	101.93	16.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Diameter, Threaded Bronze Plug	176.64	18.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Diameter, Threaded Bronze Plug	197.51	21.51
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Diameter, Threaded Bronze Plug	223.27	24.58
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Diameter, Threaded Bronze Plug	315.21	27.65
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Diameter, Threaded Bronze Plug	465.96	30.73
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Diameter, Threaded Bronze Plug	790.63	33.80
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Diameter, Threaded Bronze Plug	1,139.91	36.87
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0064		Threaded Brass Plugs *(22 05 76 00-0053)*		
22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	34.19	15.36
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	34.80	15.36
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	37.94	16.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	42.94	18.43
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	50.72	21.51
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	59.59	24.58
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	64.02	25.89
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	68.81	27.65
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	89.58	30.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	33.72	15.36
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	34.39	15.36
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	39.25	16.72
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	43.13	18.44
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	50.16	21.51
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	58.70	24.58
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	68.33	27.65
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	81.73	30.73
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	382.58	28.39

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass (Glass Fiber) Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	9.60	2.78
		For Single Layer Of Felt Finish, Add	*0.22*	
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	9.83	2.78
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.45	2.90
		For Single Layer Of Felt Finish, Add	*0.26*	
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	10.84	3.03
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.17	3.03
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	11.82	3.15
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*2.61*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	12.44	3.28
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	13.15	3.41
		For Single Layer Of Felt Finish, Add	*0.42*	
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	15.02	3.66
		For Single Layer Of Felt Finish, Add	*0.54*	
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket	17.75	4.29
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0013		**1" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	12.86	3.78
		For Single Layer Of Felt Finish, Add	*0.26*	
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.22	3.78
		For Single Layer Of Felt Finish, Add	*0.30*	
		For Work In Restricted Working Space, Add	*3.11*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.43	3.78
		For Single Layer Of Felt Finish, Add	*0.31*	
		For Work In Restricted Working Space, Add	*3.16*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	13.96	3.91
		For Single Layer Of Felt Finish, Add	*0.35*	
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.35	3.91
		For Single Layer Of Felt Finish, Add	*0.37*	
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	14.98	4.04
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	15.81	4.29
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*3.47*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	16.66	4.42
		For Single Layer Of Felt Finish, Add	*0.50*	
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	18.96	4.67
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.83*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	21.98	5.42
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*4.32*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	27.34	6.06
		For Single Layer Of Felt Finish, Add	*1.14*	
		For Work In Restricted Working Space, Add	*4.96*	
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	32.15	7.20
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*5.86*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	36.87	8.20
		For Single Layer Of Felt Finish, Add	*1.51*	
		For Work In Restricted Working Space, Add	*6.76*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket	39.94	8.96
		For Single Layer Of Felt Finish, Add	*1.75*	
		For Work In Restricted Working Space, Add	*7.00*	
22 07 19 00-0028		**1-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	15.85	3.89
		For Single Layer Of Felt Finish, Add	*0.53*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.08	3.89
		For Single Layer Of Felt Finish, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.24*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	16.99	4.13
		For Single Layer Of Felt Finish, Add	*0.58*	
		For Work In Restricted Working Space, Add	*3.43*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	17.62	4.22
		For Single Layer Of Felt Finish, Add	*0.63*	
		For Work In Restricted Working Space, Add	*3.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	18.16	4.29
		For Single Layer Of Felt Finish, Add	*0.66*	
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	19.39	4.52
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.28	4.59
		For Single Layer Of Felt Finish, Add	*0.79*	
		For Work In Restricted Working Space, Add	*3.82*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	20.94	4.76
		For Single Layer Of Felt Finish, Add	*0.82*	
		For Work In Restricted Working Space, Add	*3.95*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	23.16	5.15
		For Single Layer Of Felt Finish, Add	*0.94*	
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.79	6.01
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*4.99*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.27	6.33
		For Single Layer Of Felt Finish, Add	*1.34*	
		For Work In Restricted Working Space, Add	*5.27*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	37.06	7.59
		For Single Layer Of Felt Finish, Add	*1.69*	
		For Work In Restricted Working Space, Add	*6.30*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	41.93	8.84
		For Single Layer Of Felt Finish, Add	*1.83*	
		For Work In Restricted Working Space, Add	*7.34*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket	47.04	9.68
		For Single Layer Of Felt Finish, Add	*2.12*	
		For Work In Restricted Working Space, Add	*8.04*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	19.78	4.29
		For Single Layer Of Felt Finish, Add	*0.83*	
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	20.05	4.29
		For Single Layer Of Felt Finish, Add	*0.86*	
		For Work In Restricted Working Space, Add	*3.56*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	20.77	4.42
		For Single Layer Of Felt Finish, Add	*0.92*	
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	21.42	4.42
		For Single Layer Of Felt Finish, Add	*0.97*	
		For Work In Restricted Working Space, Add	*3.65*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	22.10	4.54
		For Single Layer Of Felt Finish, Add	*1.03*	
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	22.93	4.67
		For Single Layer Of Felt Finish, Add	*1.07*	
		For Work In Restricted Working Space, Add	*3.83*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	24.13	4.79
		For Single Layer Of Felt Finish, Add	*1.15*	
		For Work In Restricted Working Space, Add	*3.96*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	25.44	5.05
		For Single Layer Of Felt Finish, Add	*1.24*	
		For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	27.90	5.30
		For Single Layer Of Felt Finish, Add	*1.42*	
		For Work In Restricted Working Space, Add	*4.33*	
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	32.97	6.22
		For Single Layer Of Felt Finish, Add	*1.65*	
		For Work In Restricted Working Space, Add	*5.19*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	37.62	6.57
		For Single Layer Of Felt Finish, Add	*2.03*	
		For Work In Restricted Working Space, Add	*5.48*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	45.03	7.86
		For Single Layer Of Felt Finish, Add	*2.43*	
		For Work In Restricted Working Space, Add	*6.56*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	51.61	9.43
		For Single Layer Of Felt Finish, Add	*2.67*	
		For Work In Restricted Working Space, Add	*7.85*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	65.28	10.28
		For Single Layer Of Felt Finish, Add	*3.02*	
		For Work In Restricted Working Space, Add	*10.95*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	69.27	12.05
		For Single Layer Of Felt Finish, Add	*3.44*	
		For Work In Restricted Working Space, Add	*10.95*	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	77.26	12.66
		For Single Layer Of Felt Finish, Add	*4.09*	
		For Work In Restricted Working Space, Add	*11.50*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	87.50	14.46
		For Single Layer Of Felt Finish, Add	*4.59*	
		For Work In Restricted Working Space, Add	*13.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket	101.37	17.48
		For Single Layer Of Felt Finish, Add	*5.09*	
		For Work In Restricted Working Space, Add	*15.88*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	24.70	5.05
		For Single Layer Of Felt Finish, Add	*1.16*	
		For Work In Restricted Working Space, Add	*4.11*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	25.08	5.05
		For Single Layer Of Felt Finish, Add	*1.20*	
		For Work In Restricted Working Space, Add	*4.11*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.13	5.05
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	26.91	5.17
		For Single Layer Of Felt Finish, Add	*1.35*	
		For Work In Restricted Working Space, Add	*4.20*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	27.74	5.17
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*4.24*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	28.88	5.42
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.41*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	30.56	5.55
		For Single Layer Of Felt Finish, Add	*1.61*	
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	32.07	5.81
		For Single Layer Of Felt Finish, Add	*1.71*	
		For Work In Restricted Working Space, Add	*4.72*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	35.61	6.06
		For Single Layer Of Felt Finish, Add	*2.00*	
		For Work In Restricted Working Space, Add	*4.98*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	40.85	6.43
		For Single Layer Of Felt Finish, Add	*2.31*	
		For Work In Restricted Working Space, Add	*5.66*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	55.24	7.70
		For Single Layer Of Felt Finish, Add	*3.59*	
		For Work In Restricted Working Space, Add	*6.31*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	66.12	8.84
		For Single Layer Of Felt Finish, Add	*4.40*	
		For Work In Restricted Working Space, Add	*7.28*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	74.72	10.98
		For Single Layer Of Felt Finish, Add	*4.68*	
		For Work In Restricted Working Space, Add	*9.04*	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	84.70	12.12
		For Single Layer Of Felt Finish, Add	*5.44*	
		For Work In Restricted Working Space, Add	*9.87*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	99.12	15.40
		For Single Layer Of Felt Finish, Add	*5.99*	
		For Work In Restricted Working Space, Add	*12.62*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	106.78	16.15
		For Single Layer Of Felt Finish, Add	*6.58*	
		For Work In Restricted Working Space, Add	*13.25*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	121.13	18.43
		For Single Layer Of Felt Finish, Add	*7.42*	
		For Work In Restricted Working Space, Add	*15.14*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket	142.19	22.26
		For Single Layer Of Felt Finish, Add	*8.53*	
		For Work In Restricted Working Space, Add	*18.29*	

22 07 19 00-0081 3" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	27.24	5.58
		For Single Layer Of Felt Finish, Add	*1.27*	
		For Work In Restricted Working Space, Add	*4.55*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	27.65	5.58
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*4.55*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	28.72	5.63
		For Single Layer Of Felt Finish, Add	*1.41*	
		For Work In Restricted Working Space, Add	*4.59*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	29.57	5.67
		For Single Layer Of Felt Finish, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	30.52	5.73
		For Single Layer Of Felt Finish, Add	*1.57*	
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	31.72	5.95
		For Single Layer Of Felt Finish, Add	*1.63*	
		For Work In Restricted Working Space, Add	*4.85*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	33.55	6.15
		For Single Layer Of Felt Finish, Add	*1.77*	
		For Work In Restricted Working Space, Add	*5.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	35.23	6.37
		For Single Layer Of Felt Finish, Add	*1.88*	
		For Work In Restricted Working Space, Add	*5.19*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	39.13	6.72
		For Single Layer Of Felt Finish, Add	*2.19*	
		For Work In Restricted Working Space, Add	*5.48*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	44.88	7.64
		For Single Layer Of Felt Finish, Add	*2.53*	
		For Work In Restricted Working Space, Add	*6.22*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	60.66	8.50
		For Single Layer Of Felt Finish, Add	*3.94*	
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	72.63	9.81
		For Single Layer Of Felt Finish, Add	*4.82*	
		For Work In Restricted Working Space, Add	*8.00*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	82.09	12.20
		For Single Layer Of Felt Finish, Add	*5.14*	
		For Work In Restricted Working Space, Add	*9.95*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	93.04	13.32
		For Single Layer Of Felt Finish, Add	*5.97*	
		For Work In Restricted Working Space, Add	*10.86*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	108.88	17.02
		For Single Layer Of Felt Finish, Add	*6.58*	
		For Work In Restricted Working Space, Add	*13.88*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	117.29	17.88
		For Single Layer Of Felt Finish, Add	*7.22*	
		For Work In Restricted Working Space, Add	*14.57*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	133.08	20.44
		For Single Layer Of Felt Finish, Add	*8.14*	
		For Work In Restricted Working Space, Add	*16.66*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket	156.21	24.67
		For Single Layer Of Felt Finish, Add	*9.36*	
		For Work In Restricted Working Space, Add	*20.12*	

22 07 19 00-0100 3-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.31	6.06
		For Single Layer Of Felt Finish, Add	*1.34*	
		For Work In Restricted Working Space, Add	*4.98*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	29.79	6.06
		For Single Layer Of Felt Finish, Add	*1.39*	
		For Work In Restricted Working Space, Add	*4.98*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	31.38	6.06
		For Single Layer Of Felt Finish, Add	*1.54*	
		For Work In Restricted Working Space, Add	*5.01*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	32.29	6.18
		For Single Layer Of Felt Finish, Add	*1.62*	
		For Work In Restricted Working Space, Add	*5.05*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	33.36	6.18
		For Single Layer Of Felt Finish, Add	*1.71*	
		For Work In Restricted Working Space, Add	*5.11*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	34.60	6.43
		For Single Layer Of Felt Finish, Add	*1.79*	
		For Work In Restricted Working Space, Add	*5.28*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	36.63	6.69
		For Single Layer Of Felt Finish, Add	*1.93*	
		For Work In Restricted Working Space, Add	*5.47*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	38.33	6.94
		For Single Layer Of Felt Finish, Add	*2.04*	
		For Work In Restricted Working Space, Add	*5.66*	
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	42.76	7.32
		For Single Layer Of Felt Finish, Add	*2.40*	
		For Work In Restricted Working Space, Add	*5.98*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	49.00	8.33
		For Single Layer Of Felt Finish, Add	*2.77*	
		For Work In Restricted Working Space, Add	*6.79*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	66.25	9.21
		For Single Layer Of Felt Finish, Add	*4.31*	
		For Work In Restricted Working Space, Add	*7.56*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	79.34	10.60
		For Single Layer Of Felt Finish, Add	*5.28*	
		For Work In Restricted Working Space, Add	*8.73*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	89.66	13.24
		For Single Layer Of Felt Finish, Add	*5.62*	
		For Work In Restricted Working Space, Add	*10.85*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	101.65	14.51
		For Single Layer Of Felt Finish, Add	*6.53*	
		For Work In Restricted Working Space, Add	*11.85*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	118.97	18.43
		For Single Layer Of Felt Finish, Add	*7.19*	
		For Work In Restricted Working Space, Add	*15.14*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	128.13	19.43
		For Single Layer Of Felt Finish, Add	*7.89*	
		For Work In Restricted Working Space, Add	*15.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	145.40	22.21
		For Single Layer Of Felt Finish, Add	*8.90*	
		For Work In Restricted Working Space, Add	*18.18*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket	170.65	26.75
		For Single Layer Of Felt Finish, Add	*10.23*	
		For Work In Restricted Working Space, Add	*21.95*	
22 07 19 00-0119		4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*		
22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	33.29	6.81
		For Single Layer Of Felt Finish, Add	*1.56*	
		For Work In Restricted Working Space, Add	*5.53*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	33.82	6.81
		For Single Layer Of Felt Finish, Add	*1.62*	
		For Work In Restricted Working Space, Add	*5.53*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	35.23	6.81
		For Single Layer Of Felt Finish, Add	*1.73*	
		For Work In Restricted Working Space, Add	*5.63*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	36.40	6.94
		For Single Layer Of Felt Finish, Add	*1.83*	
		For Work In Restricted Working Space, Add	*5.69*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	37.93	7.20
		For Single Layer Of Felt Finish, Add	*1.93*	
		For Work In Restricted Working Space, Add	*5.87*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	39.33	7.45
		For Single Layer Of Felt Finish, Add	*2.01*	
		For Work In Restricted Working Space, Add	*6.05*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	41.20	7.45
		For Single Layer Of Felt Finish, Add	*2.17*	
		For Work In Restricted Working Space, Add	*6.15*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	43.30	7.82
		For Single Layer Of Felt Finish, Add	*2.32*	
		For Work In Restricted Working Space, Add	*6.37*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	48.07	8.20
		For Single Layer Of Felt Finish, Add	*2.69*	
		For Work In Restricted Working Space, Add	*6.73*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	55.12	9.34
		For Single Layer Of Felt Finish, Add	*3.12*	
		For Work In Restricted Working Space, Add	*7.63*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	74.54	10.09
		For Single Layer Of Felt Finish, Add	*4.85*	
		For Work In Restricted Working Space, Add	*8.51*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	89.27	11.99
		For Single Layer Of Felt Finish, Add	*5.93*	
		For Work In Restricted Working Space, Add	*9.83*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	100.89	14.88
		For Single Layer Of Felt Finish, Add	*6.32*	
		For Work In Restricted Working Space, Add	*12.21*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	114.39	16.27
		For Single Layer Of Felt Finish, Add	*7.34*	
		For Work In Restricted Working Space, Add	*13.34*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	133.89	20.82
		For Single Layer Of Felt Finish, Add	*8.09*	
		For Work In Restricted Working Space, Add	*17.05*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	144.08	21.83
		For Single Layer Of Felt Finish, Add	*8.88*	
		For Work In Restricted Working Space, Add	*17.87*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	161.36	24.99
		For Single Layer Of Felt Finish, Add	*9.79*	
		For Work In Restricted Working Space, Add	*20.45*	
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	192.00	30.16
		For Single Layer Of Felt Finish, Add	*11.51*	
		For Work In Restricted Working Space, Add	*24.71*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	218.73	35.58
		For Single Layer Of Felt Finish, Add	*12.78*	
		For Work In Restricted Working Space, Add	*29.12*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	245.74	41.89
		For Single Layer Of Felt Finish, Add	*13.80*	
		For Work In Restricted Working Space, Add	*34.29*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	276.04	49.46
		For Single Layer Of Felt Finish, Add	*14.77*	
		For Work In Restricted Working Space, Add	*40.61*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	331.94	62.88
		For Single Layer Of Felt Finish, Add	*16.78*	
		For Work In Restricted Working Space, Add	*51.64*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	387.83	76.59
		For Single Layer Of Felt Finish, Add	*18.79*	
		For Work In Restricted Working Space, Add	*62.67*	
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	416.09	84.16
		For Single Layer Of Felt Finish, Add	*19.51*	
		For Work In Restricted Working Space, Add	*69.08*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket	441.69	90.59
		For Single Layer Of Felt Finish, Add	*20.30*	
		For Work In Restricted Working Space, Add	*74.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0145		Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell *(22 07 19)* Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0146		1" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*		
22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	22.18	6.16
		For Work In Restricted Working Space, Add	*5.60*	
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	23.07	6.16
		For Work In Restricted Working Space, Add	*5.60*	
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	24.24	6.25
		For Work In Restricted Working Space, Add	*5.67*	
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	24.82	6.33
		For Work In Restricted Working Space, Add	*5.76*	
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	25.69	6.42
		For Work In Restricted Working Space, Add	*5.84*	
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	27.38	6.60
		For Work In Restricted Working Space, Add	*6.01*	
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	29.48	6.87
		For Work In Restricted Working Space, Add	*6.25*	
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	31.77	7.05
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	36.69	7.59
		For Work In Restricted Working Space, Add	*6.89*	
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	46.66	8.55
		For Work In Restricted Working Space, Add	*7.78*	
22 07 19 00-0157		1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*		
22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.24	6.82
		For Work In Restricted Working Space, Add	*6.01*	
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	26.81	6.82
		For Work In Restricted Working Space, Add	*6.01*	
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.64	6.91
		For Work In Restricted Working Space, Add	*6.08*	
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.31	7.00
		For Work In Restricted Working Space, Add	*6.16*	
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	28.94	7.10
		For Work In Restricted Working Space, Add	*6.25*	
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.37	7.33
		For Work In Restricted Working Space, Add	*6.45*	
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	35.50	7.61
		For Work In Restricted Working Space, Add	*6.70*	
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	39.17	7.84
		For Work In Restricted Working Space, Add	*6.89*	
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	44.35	8.34
		For Work In Restricted Working Space, Add	*7.34*	
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	52.21	9.45
		For Work In Restricted Working Space, Add	*8.31*	
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	58.40	10.54
		For Work In Restricted Working Space, Add	*9.27*	
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	70.83	12.15
		For Work In Restricted Working Space, Add	*10.69*	
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	84.06	15.10
		For Work In Restricted Working Space, Add	*13.28*	
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	93.39	15.89
		For Work In Restricted Working Space, Add	*14.44*	
22 07 19 00-0172	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	102.82	17.74
		For Work In Restricted Working Space, Add	*16.13*	
22 07 19 00-0173	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	116.55	20.98
		For Work In Restricted Working Space, Add	*19.08*	
22 07 19 00-0174	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	130.20	23.23
		For Work In Restricted Working Space, Add	*21.12*	
22 07 19 00-0175	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	162.50	25.74
		For Work In Restricted Working Space, Add	*23.40*	
22 07 19 00-0176		2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*		
22 07 19 00-0177	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	29.49	7.05
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0178	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	30.37	7.05
		For Work In Restricted Working Space, Add	*6.41*	
22 07 19 00-0179	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	31.50	7.12
		For Work In Restricted Working Space, Add	*6.49*	
22 07 19 00-0180	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	33.14	7.23
		For Work In Restricted Working Space, Add	*6.57*	
22 07 19 00-0181	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	34.82	7.32
		For Work In Restricted Working Space, Add	*6.65*	
22 07 19 00-0182	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	38.91	7.59
		For Work In Restricted Working Space, Add	*6.89*	
22 07 19 00-0183	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	40.82	7.86
		For Work In Restricted Working Space, Add	*7.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0184	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	43.79	8.11
		For Work In Restricted Working Space, Add	*7.38*	
22 07 19 00-0185	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	49.30	8.56
		For Work In Restricted Working Space, Add	*7.79*	
22 07 19 00-0186	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	58.96	9.73
		For Work In Restricted Working Space, Add	*8.84*	
22 07 19 00-0187	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	65.64	10.85
		For Work In Restricted Working Space, Add	*9.86*	
22 07 19 00-0188	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	79.88	12.51
		For Work In Restricted Working Space, Add	*11.37*	
22 07 19 00-0189	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	98.95	15.55
		For Work In Restricted Working Space, Add	*14.13*	
22 07 19 00-0190	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	105.71	16.97
		For Work In Restricted Working Space, Add	*15.42*	
22 07 19 00-0191	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	124.97	21.69
		For Work In Restricted Working Space, Add	*19.72*	
22 07 19 00-0192	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	136.26	22.77
		For Work In Restricted Working Space, Add	*20.70*	
22 07 19 00-0193	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	150.74	26.03
		For Work In Restricted Working Space, Add	*23.66*	
22 07 19 00-0194	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	189.07	31.44
		For Work In Restricted Working Space, Add	*28.59*	

22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0196	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	35.82	7.65
		For Work In Restricted Working Space, Add	*6.95*	
22 07 19 00-0197	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.30	7.64
		For Work In Restricted Working Space, Add	*6.94*	
22 07 19 00-0198	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	39.19	7.76
		For Work In Restricted Working Space, Add	*7.06*	
22 07 19 00-0199	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	40.87	7.82
		For Work In Restricted Working Space, Add	*7.11*	
22 07 19 00-0200	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	42.55	7.89
		For Work In Restricted Working Space, Add	*7.16*	
22 07 19 00-0201	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	45.62	8.20
		For Work In Restricted Working Space, Add	*7.46*	
22 07 19 00-0202	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	48.54	8.49
		For Work In Restricted Working Space, Add	*7.72*	
22 07 19 00-0203	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	52.73	8.79
		For Work In Restricted Working Space, Add	*7.99*	
22 07 19 00-0204	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	59.10	9.26
		For Work In Restricted Working Space, Add	*8.42*	
22 07 19 00-0205	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	70.67	10.54
		For Work In Restricted Working Space, Add	*9.58*	
22 07 19 00-0206	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	78.75	11.74
		For Work In Restricted Working Space, Add	*10.68*	
22 07 19 00-0207	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	89.84	13.53
		For Work In Restricted Working Space, Add	*12.31*	
22 07 19 00-0208	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	111.88	16.84
		For Work In Restricted Working Space, Add	*15.30*	
22 07 19 00-0209	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	116.64	18.38
		For Work In Restricted Working Space, Add	*16.70*	
22 07 19 00-0210	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	137.48	23.48
		For Work In Restricted Working Space, Add	*21.35*	
22 07 19 00-0211	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	149.52	24.65
		For Work In Restricted Working Space, Add	*22.42*	
22 07 19 00-0212	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	171.92	28.18
		For Work In Restricted Working Space, Add	*25.62*	
22 07 19 00-0213	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	215.34	34.05
		For Work In Restricted Working Space, Add	*30.95*	

22 07 19 00-0214 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0215	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	43.31	8.12
		For Work In Restricted Working Space, Add	*7.39*	
22 07 19 00-0216	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	44.21	8.12
		For Work In Restricted Working Space, Add	*7.39*	
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	45.51	8.26
		For Work In Restricted Working Space, Add	*7.51*	
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	46.58	8.31
		For Work In Restricted Working Space, Add	*7.56*	
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	47.70	8.39
		For Work In Restricted Working Space, Add	*7.62*	
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	51.27	8.73
		For Work In Restricted Working Space, Add	*7.94*	
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	54.69	9.04
		For Work In Restricted Working Space, Add	*8.21*	
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	62.19	9.35
		For Work In Restricted Working Space, Add	*8.50*	
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	71.01	9.85
		For Work In Restricted Working Space, Add	*8.96*	
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	77.73	11.20
		For Work In Restricted Working Space, Add	*10.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	87.81	12.49
		For Work In Restricted Working Space, Add	*11.36*	
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	104.77	14.41
		For Work In Restricted Working Space, Add	*13.10*	
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	121.64	17.90
		For Work In Restricted Working Space, Add	*16.28*	
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	130.21	19.54
		For Work In Restricted Working Space, Add	*17.77*	
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	155.39	24.99
		For Work In Restricted Working Space, Add	*22.71*	
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	166.36	26.23
		For Work In Restricted Working Space, Add	*23.85*	
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	195.00	29.98
		For Work In Restricted Working Space, Add	*27.25*	
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	238.42	36.23
		For Work In Restricted Working Space, Add	*32.93*	

22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	52.16	9.85
		For Work In Restricted Working Space, Add	*8.96*	
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	53.29	9.85
		For Work In Restricted Working Space, Add	*8.96*	
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.61	9.91
		For Work In Restricted Working Space, Add	*9.02*	
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	55.93	9.98
		For Work In Restricted Working Space, Add	*9.08*	
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	57.44	10.10
		For Work In Restricted Working Space, Add	*9.19*	
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	63.25	10.46
		For Work In Restricted Working Space, Add	*9.50*	
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	69.11	10.83
		For Work In Restricted Working Space, Add	*9.84*	
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	73.01	11.20
		For Work In Restricted Working Space, Add	*10.19*	
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	78.21	11.84
		For Work In Restricted Working Space, Add	*10.77*	
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	90.05	13.45
		For Work In Restricted Working Space, Add	*12.23*	
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	102.41	14.97
		For Work In Restricted Working Space, Add	*13.61*	
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	122.55	17.29
		For Work In Restricted Working Space, Add	*15.71*	
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	144.71	21.48
		For Work In Restricted Working Space, Add	*19.53*	
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	150.87	23.46
		For Work In Restricted Working Space, Add	*21.32*	
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	180.70	29.98
		For Work In Restricted Working Space, Add	*27.25*	
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	198.74	31.48
		For Work In Restricted Working Space, Add	*28.62*	
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	226.25	36.00
		For Work In Restricted Working Space, Add	*32.73*	
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	277.90	43.46
		For Work In Restricted Working Space, Add	*39.52*	

22 07 19 00-0252 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	63.50	12.12
		For Work In Restricted Working Space, Add	*11.01*	
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	64.95	12.12
		For Work In Restricted Working Space, Add	*11.01*	
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	67.04	12.32
		For Work In Restricted Working Space, Add	*11.20*	
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	68.93	12.47
		For Work In Restricted Working Space, Add	*11.33*	
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	71.56	12.86
		For Work In Restricted Working Space, Add	*11.68*	
22 07 19 00-0258	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	77.38	13.24
		For Work In Restricted Working Space, Add	*12.05*	
22 07 19 00-0259	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	82.58	13.46
		For Work In Restricted Working Space, Add	*12.23*	
22 07 19 00-0260	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	86.71	13.96
		For Work In Restricted Working Space, Add	*12.68*	
22 07 19 00-0261	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	94.74	15.56
		For Work In Restricted Working Space, Add	*14.15*	
22 07 19 00-0262	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	109.73	16.70
		For Work In Restricted Working Space, Add	*15.19*	
22 07 19 00-0263	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	123.96	18.11
		For Work In Restricted Working Space, Add	*16.47*	
22 07 19 00-0264	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	141.89	21.53
		For Work In Restricted Working Space, Add	*19.57*	
22 07 19 00-0265	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	165.61	26.74
		For Work In Restricted Working Space, Add	*24.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0266	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	180.06	29.19
		For Work In Restricted Working Space, Add	*26.55*	
22 07 19 00-0267	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	213.45	37.33
		For Work In Restricted Working Space, Add	*33.94*	
22 07 19 00-0268	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	237.73	39.13
		For Work In Restricted Working Space, Add	*35.57*	
22 07 19 00-0269	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	266.40	44.78
		For Work In Restricted Working Space, Add	*40.71*	
22 07 19 00-0270	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	338.17	54.10
		For Work In Restricted Working Space, Add	*49.18*	

22 07 19 00-0271 Polyisocyanurate Pipe Insulation *(22 07 19)*

Note: Dow Trymer insulation with Saran vapor wrap. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0272 1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0273	LF	1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	11.31	2.90
22 07 19 00-0274	LF	3/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	12.53	3.03
22 07 19 00-0275	LF	1" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.22	3.28
22 07 19 00-0276	LF	1-1/4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	13.93	3.41
22 07 19 00-0277	LF	1-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	14.35	3.41
22 07 19 00-0278	LF	2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	15.16	3.53
22 07 19 00-0279	LF	2-1/2" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	16.27	3.66
22 07 19 00-0280	LF	3" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	17.34	3.91
22 07 19 00-0281	LF	4" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	20.44	4.67
22 07 19 00-0282	LF	6" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	24.48	5.30
22 07 19 00-0283	LF	8" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	28.96	6.18
22 07 19 00-0284	LF	10" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	32.67	6.69
22 07 19 00-0285	LF	12" Diameter Pipe, 1/2" Thick Polyisocyanurate Insulation	38.83	8.20

22 07 19 00-0286 1" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0287	LF	1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	13.29	3.03
22 07 19 00-0288	LF	3/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	14.98	3.28
22 07 19 00-0289	LF	1" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	15.81	3.41
22 07 19 00-0290	LF	1-1/4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	16.69	3.53
22 07 19 00-0291	LF	1-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	17.43	3.66
22 07 19 00-0292	LF	2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	18.46	3.66
22 07 19 00-0293	LF	2-1/2" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	19.88	3.91
22 07 19 00-0294	LF	3" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	21.39	4.17
22 07 19 00-0295	LF	4" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	25.29	4.92
22 07 19 00-0296	LF	6" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	31.97	6.18
22 07 19 00-0297	LF	8" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	38.45	7.32
22 07 19 00-0298	LF	10" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	44.00	8.20
22 07 19 00-0299	LF	12" Diameter Pipe, 1" Thick Polyisocyanurate Insulation	49.75	9.21

22 07 19 00-0300 1-1/2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0301	LF	3/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	16.93	3.41
22 07 19 00-0302	LF	1" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	17.90	3.53
22 07 19 00-0303	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	19.01	3.66
22 07 19 00-0304	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	19.86	3.78
22 07 19 00-0305	LF	2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	21.12	3.91
22 07 19 00-0306	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	22.89	4.17
22 07 19 00-0307	LF	3" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	24.64	4.29
22 07 19 00-0308	LF	4" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	29.19	5.30
22 07 19 00-0309	LF	6" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	37.33	6.69
22 07 19 00-0310	LF	8" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	45.44	8.20
22 07 19 00-0311	LF	10" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	52.31	9.21
22 07 19 00-0312	LF	12" Diameter Pipe, 1-1/2" Thick Polyisocyanurate Insulation	57.73	9.84

22 07 19 00-0313 2" Thick Polyisocyanurate Pipe Insulation *(22 07 19 00-0271)*

22 07 19 00-0314	LF	3/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	21.76	3.53
22 07 19 00-0315	LF	1" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	23.13	3.66
22 07 19 00-0316	LF	1-1/4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	24.38	3.91
22 07 19 00-0317	LF	1-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	25.40	3.91
22 07 19 00-0318	LF	2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	26.37	4.17
22 07 19 00-0319	LF	2-1/2" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	28.61	4.42
22 07 19 00-0320	LF	3" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	30.08	4.67
22 07 19 00-0321	LF	4" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	35.86	5.68
22 07 19 00-0322	LF	6" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	43.66	7.32
22 07 19 00-0323	LF	8" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	57.11	9.21
22 07 19 00-0324	LF	10" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	60.76	10.60
22 07 19 00-0325	LF	12" Diameter Pipe, 2" Thick Polyisocyanurate Insulation	66.19	11.35

22 07 19 00-0326 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0327		3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*		
22 07 19 00-0328	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.05	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0329	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.06	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0330	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.39	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0331	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.73	4.04
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0332	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.04	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0333	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.41	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0334	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.56	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0335	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.98	4.18
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0336	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.80	4.31
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0337	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.16	4.38
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0338		1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*		
22 07 19 00-0339	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.93	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0340	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.03	4.12
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0341	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.18	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0342	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.36	4.21
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0343	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.82	4.31
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0344	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.22	4.38
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0345	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.67	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0346	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.20	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0347	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.15	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0348	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.12	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0349	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.04	4.77
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0350	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.60	4.83
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0351		3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*		
22 07 19 00-0352	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.95	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0353	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.07	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0354	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.72	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0355	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.00	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0356	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.80	4.83
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0357	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.60	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0358	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.96	4.93
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0359	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.44	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0360	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.48	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0361	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.61	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0362	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.08	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0363	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.69	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0364		1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0326)*		
22 07 19 00-0365	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.31	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0366	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.60	4.97
		For Work In Restricted Working Space, Add	*2.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0367	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.51	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0368	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.79	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0369	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.16	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0370	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	14.84	5.43
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0371	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	15.11	5.50
		For Work In Restricted Working Space, Add	*3.30*	
22 07 19 00-0372	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	16.43	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	17.37	5.71
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0374	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	18.19	5.77
		For Work In Restricted Working Space, Add	*3.46*	

22 07 19 00-0375 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0376 3/8" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0377	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.18	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0378	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.28	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0379	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.60	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0380	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.79	3.97
		For Work In Restricted Working Space, Add	*2.39*	
22 07 19 00-0381	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.99	4.04
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0382	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.23	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0383	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.46	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0384	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.66	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0385	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.84	4.18
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0386	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.03	4.24
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0387	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.31	4.31
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0388	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.54	4.31
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0389	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.71	4.38
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0390	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.95	4.38
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0391	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.45	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0392	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.04	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0393	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.67	4.53
		For Work In Restricted Working Space, Add	*2.72*	

22 07 19 00-0394 1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0395	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.15	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0396	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.26	4.12
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0397	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.40	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0398	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.57	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0399	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.69	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0400	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.04	4.31
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0401	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.37	4.38
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0402	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.67	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0403	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.94	4.48
		For Work In Restricted Working Space, Add	*2.69*	
22 07 19 00-0404	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.17	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0405	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.01	4.58
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0406	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.53	4.64
		For Work In Restricted Working Space, Add	*2.78*	

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22 07 19 00-0407	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.90	4.68
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0408	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.22	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0409	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.47	4.74
		For Work In Restricted Working Space, Add	*2.84*	
22 07 19 00-0410	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.68	4.77
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0411	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.63	4.83
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0412	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.86	4.87
		For Work In Restricted Working Space, Add	*2.92*	
22 07 19 00-0413	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.77	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0414	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.91	5.03
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0415	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.16	5.17
		For Work In Restricted Working Space, Add	*3.10*	

22 07 19 00-0416 3/4" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0417	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.40	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.65	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.07	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0420	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.28	4.68
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0421	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.39	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0422	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.96	4.83
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0423	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.39	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0424	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.82	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0425	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.93	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0426	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.11	5.01
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0427	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.59	5.03
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0428	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.87	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0429	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.43	5.13
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0430	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.82	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0431	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.40	5.21
		For Work In Restricted Working Space, Add	*3.12*	
22 07 19 00-0432	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.65	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0433	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.53	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0434	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.22	5.33
		For Work In Restricted Working Space, Add	*3.20*	
22 07 19 00-0435	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.38	5.36
		For Work In Restricted Working Space, Add	*3.22*	
22 07 19 00-0436	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.63	5.43
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0437	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.15	5.56
		For Work In Restricted Working Space, Add	*3.34*	

22 07 19 00-0438 1" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0439	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.01	4.89
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0440	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.33	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0441	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.76	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0442	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.08	5.13
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0443	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.36	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0444	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.89	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0445	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.69	5.43
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0446	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.08	5.43
		For Work In Restricted Working Space, Add	*3.30*	

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22 07 19 00-0447	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.59	5.50
		For Work In Restricted Working Space, Add	*3.32*	
22 07 19 00-0448	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.78	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0449	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.87	5.64
		For Work In Restricted Working Space, Add	*3.38*	
22 07 19 00-0450	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.72	5.71
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0451	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.78	5.74
		For Work In Restricted Working Space, Add	*3.44*	
22 07 19 00-0452	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.10	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0453	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.66	5.81
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0454	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.94	5.83
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-0455	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.00	5.97
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-0456	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.39	6.03
		For Work In Restricted Working Space, Add	*3.62*	
22 07 19 00-0457	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.39	6.10
		For Work In Restricted Working Space, Add	*3.66*	
22 07 19 00-0458	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.57	6.23
		For Work In Restricted Working Space, Add	*3.74*	

22 07 19 00-0459 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0460	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.26	5.48
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0461	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.69	5.61
		For Work In Restricted Working Space, Add	*3.37*	
22 07 19 00-0462	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.01	5.64
		For Work In Restricted Working Space, Add	*3.39*	
22 07 19 00-0463	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.33	5.69
		For Work In Restricted Working Space, Add	*3.40*	
22 07 19 00-0464	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.84	5.82
		For Work In Restricted Working Space, Add	*3.48*	
22 07 19 00-0465	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.66	6.03
		For Work In Restricted Working Space, Add	*3.61*	
22 07 19 00-0466	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.67	5.95
		For Work In Restricted Working Space, Add	*3.65*	
22 07 19 00-0467	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.56	6.08
		For Work In Restricted Working Space, Add	*3.69*	
22 07 19 00-0468	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.14	6.23
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0469	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.80	6.31
		For Work In Restricted Working Space, Add	*3.78*	
22 07 19 00-0470	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.39	6.38
		For Work In Restricted Working Space, Add	*3.82*	
22 07 19 00-0471	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.13	6.41
		For Work In Restricted Working Space, Add	*3.84*	
22 07 19 00-0472	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.88	6.42
		For Work In Restricted Working Space, Add	*3.86*	
22 07 19 00-0473	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.74	6.46
		For Work In Restricted Working Space, Add	*3.88*	
22 07 19 00-0474	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.29	6.48
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0475	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.30	6.72
		For Work In Restricted Working Space, Add	*4.02*	
22 07 19 00-0476	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.92	6.82
		For Work In Restricted Working Space, Add	*4.09*	
22 07 19 00-0477	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.74	6.92
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0478	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.58	7.14
		For Work In Restricted Working Space, Add	*4.28*	

22 07 19 00-0479 2" Wall Flexible Elastomeric Tubing Foam Insulation (AP Armaflex) *(22 07 19 00-0375)*

22 07 19 00-0480	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.96	6.06
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0481	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.84	6.15
		For Work In Restricted Working Space, Add	*3.71*	
22 07 19 00-0482	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.25	6.20
		For Work In Restricted Working Space, Add	*3.73*	
22 07 19 00-0483	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.75	6.25
		For Work In Restricted Working Space, Add	*3.74*	
22 07 19 00-0484	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.00	6.37
		For Work In Restricted Working Space, Add	*3.82*	
22 07 19 00-0485	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.62	6.67
		For Work In Restricted Working Space, Add	*4.00*	
22 07 19 00-0486	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.50	6.51
		For Work In Restricted Working Space, Add	*4.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0487	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.10	6.74
		For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0488	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	33.64	6.96
		For Work In Restricted Working Space, Add	*4.18*	
22 07 19 00-0489	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.66	7.05
		For Work In Restricted Working Space, Add	*4.22*	
22 07 19 00-0490	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.72	7.14
		For Work In Restricted Working Space, Add	*4.26*	
22 07 19 00-0491	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.98	7.15
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0492	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.89	7.16
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0493	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	40.21	7.20
		For Work In Restricted Working Space, Add	*4.32*	
22 07 19 00-0494	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.62	7.23
		For Work In Restricted Working Space, Add	*4.34*	
22 07 19 00-0495	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	46.44	7.57
		For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0496	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.23	7.72
		For Work In Restricted Working Space, Add	*4.63*	
22 07 19 00-0497	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	50.12	7.87
		For Work In Restricted Working Space, Add	*4.73*	
22 07 19 00-0498	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	55.89	8.19
		For Work In Restricted Working Space, Add	*4.91*	

22 07 19 00-0499 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0500 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*

22 07 19 00-0501	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.12	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0502	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.21	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0503	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.51	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0504	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.88	4.04
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0505	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.10	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0506	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.50	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0507	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.79	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0508	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.01	4.31
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0509	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.97	4.31
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0510	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.82	4.38
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0511	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.98	4.51
		For Work In Restricted Working Space, Add	*2.70*	

22 07 19 00-0512 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*

22 07 19 00-0513	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.08	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0514	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.16	4.12
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0515	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.34	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-0516	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.58	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-0517	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.88	4.31
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0518	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.32	4.38
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-0519	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.80	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-0520	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.25	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0521	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.29	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0522	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.18	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0523	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.91	4.83
		For Work In Restricted Working Space, Add	*2.90*	

22 07 19 00-0524 3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0499)*

22 07 19 00-0525	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.19	4.44
		For Work In Restricted Working Space, Add	*2.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0526	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.51	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-0527	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.94	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-0528	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.55	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0529	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.15	4.83
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-0530	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.14	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0531	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.79	4.91
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0532	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.53	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0533	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.96	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0534	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.26	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0535	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.75	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0536		**1" Wall Flexible Polyolefin Tubing Foam Insulation** *(22 07 19 00-0499)*		
22 07 19 00-0537	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.07	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-0538	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.26	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0539	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.67	5.10
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-0540	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.57	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-0541	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	14.32	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-0542	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.10	5.43
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-0543	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.83	5.43
		For Work In Restricted Working Space, Add	*3.30*	
22 07 19 00-0544	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	17.48	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-0545	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	19.68	5.71
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-0546	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	21.24	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-0547		**Insulation Protective Jacketing** *(22 07 19)*		
		Note: Jacketing only and to be added to insulation prices when required. ID = inside diameter.		
22 07 19 00-0548		**Aluminum Insulation Protective Jacketing With Bands** *(22 07 19 00-0547)*		
22 07 19 00-0549		**Aluminum Roll, Insulation Protective Jacketing With Bands** *(22 07 19 00-0548)*		
22 07 19 00-0550	SF	0.006" Aluminum Insulation Jacket With Bands	19.07	8.07
22 07 19 00-0551	SF	0.010" Aluminum Insulation Jacket With Bands	19.42	8.07
22 07 19 00-0552	SF	0.016" Aluminum Insulation Jacket With Bands	19.76	8.07
22 07 19 00-0553	SF	0.020" Aluminum Insulation Jacket With Bands	20.07	8.07
22 07 19 00-0554	SF	0.024" Aluminum Insulation Jacket With Bands	20.35	8.07
22 07 19 00-0555		**16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands** *(22 07 19 00-0548)*		
22 07 19 00-0556	LF	1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	9.95	2.29
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0557	LF	3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	10.39	2.34
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0558	LF	1" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	10.83	2.41
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0559	LF	1-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.30	2.47
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0560	LF	1-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	11.67	2.50
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0561	LF	1-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.04	2.54
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0562	LF	2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.48	2.59
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0563	LF	2-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	12.93	2.65
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0564	LF	2-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.42	2.70
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0565	LF	2-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	13.81	2.75
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0566	LF	3" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.31	2.81
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0567	LF	3-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	14.80	2.87
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0568	LF	3-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.28	2.94
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0569	LF	3-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	15.73	2.99
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0570	LF	4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.25	3.06
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0571	LF	4-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	16.78	3.14
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0572	LF	4-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.35	3.21
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0573	LF	4-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	17.83	3.28
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0574	LF	5" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	18.40	3.36
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0575	LF	5-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.00	3.46
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0576	LF	5-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	19.52	3.53
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0577	LF	5-3/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.18	3.63
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0578	LF	6" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	20.83	3.74
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0579	LF	6-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.29	3.79
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0580	LF	6-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	21.75	3.85
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0581	LF	7" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	22.54	3.94
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0582	LF	7-1/4" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.14	4.04
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0583	LF	7-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	23.63	4.11
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0584	LF	8" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	24.37	4.18
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0585	LF	8-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.10	4.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0586	LF	9" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	25.99	4.35
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0587	LF	9-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	26.78	4.43
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0588	LF	10" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	27.54	4.51
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0589	LF	10-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	28.34	4.59
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0590	LF	11" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	29.30	4.72
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0591	LF	11-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.15	4.81
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0592	LF	12" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	30.97	4.90
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0593	LF	12-1/2" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.02	5.05
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0594	LF	13" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	32.67	5.10
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0595	LF	14" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	33.82	5.15
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0596	LF	15" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	35.16	5.25
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0597	LF	16" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	36.32	5.31
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0598	LF	17" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	37.69	5.42
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0599	LF	18" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	38.54	5.48
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0600	LF	19" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	40.26	5.61
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0601	LF	20" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	41.44	5.68
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0602	LF	21" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	42.88	5.80
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0603	LF	22" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	44.06	5.87
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0604	LF	23" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	45.55	6.01
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0605	LF	24" ID, 0.016" Thick (16 Mil), Aluminum Insulation Jacketing	46.75	6.08
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	

22 07 19 00-0606 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0548)*

22 07 19 00-0607	LF	1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.06	2.53
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0608	LF	3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	11.58	2.59
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0609	LF	1" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.13	2.65
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0610	LF	1-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	12.67	2.71
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0611	LF	1-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.12	2.75
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0612	LF	1-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	13.58	2.79
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0613	LF	2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.10	2.85
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0614	LF	2-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	14.62	2.91
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0615	LF	2-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.19	2.97
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0616	LF	2-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	15.68	3.02
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0617	LF	3" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.28	3.08
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0618	LF	3-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	16.84	3.15
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0619	LF	3-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.42	3.23
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0620	LF	3-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	17.94	3.28
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0621	LF	4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	18.54	3.36
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0622	LF	4-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.18	3.45
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0623	LF	4-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	19.85	3.53
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0624	LF	4-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	20.41	3.60
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0625	LF	5" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.08	3.70
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0626	LF	5-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	21.78	3.80
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0627	LF	5-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	22.39	3.88
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0628	LF	5-3/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.17	4.00
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0629	LF	6" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	23.92	4.12
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0630	LF	6-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	24.45	4.18
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0631	LF	6-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.01	4.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0632	LF	7" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	25.94	4.34
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0633	LF	7-1/4" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	26.64	4.44
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0634	LF	7-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	27.22	4.52
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0635	LF	8" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.12	4.59
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0636	LF	8-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	28.99	4.67
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0637	LF	9" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	30.04	4.79
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0638	LF	9-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.00	4.87
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0639	LF	10" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	31.92	4.96
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0640	LF	10-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	32.86	5.05
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0641	LF	11" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	34.00	5.19
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0642	LF	11-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	35.01	5.28
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0643	LF	12" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	36.00	5.39
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0644	LF	12-1/2" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	37.23	5.55
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0645	LF	13" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	38.03	5.61
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0646	LF	14" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	39.45	5.67
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0647	LF	15" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	41.08	5.79
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0648	LF	16" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	42.52	5.85
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0649	LF	17" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	44.17	5.97
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0650	LF	18" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	45.23	6.04
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0651	LF	19" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	47.31	6.17
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0652	LF	20" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	48.78	6.24
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0653	LF	21" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	50.51	6.38
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.62*	
22 07 19 00-0654	LF	22" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	51.96	6.45
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.65*	
22 07 19 00-0655	LF	23" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	53.77	6.61
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0656	LF	24" ID, 0.020" Thick (20 Mil), Aluminum Insulation Jacketing	55.25	6.69
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.71*	

22 07 19 00-0657 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0548)*

22 07 19 00-0658	LF	1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	12.18	2.76
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0659	LF	3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	12.78	2.82
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0660	LF	1" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	13.39	2.89
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0661	LF	1-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.01	2.96
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0662	LF	1-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	14.55	3.00
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0663	LF	1-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.08	3.04
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0664	LF	2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	15.66	3.11
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0665	LF	2-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.27	3.17
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0666	LF	2-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	16.93	3.24
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0667	LF	2-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	17.48	3.29
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0668	LF	3" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.16	3.36
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0669	LF	3-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	18.83	3.44
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0670	LF	3-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	19.49	3.52
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0671	LF	3-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.08	3.58
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0672	LF	4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	20.77	3.67
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0673	LF	4-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	21.48	3.76
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0674	LF	4-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.26	3.85
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0675	LF	4-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	22.90	3.93
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0676	LF	5" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	23.67	4.04
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0677	LF	5-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	24.45	4.15
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0678	LF	5-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	25.15	4.24
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0679	LF	5-3/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.03	4.36
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0680	LF	6" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	26.89	4.49
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0681	LF	6-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	27.50	4.55
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0682	LF	6-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	28.14	4.62
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0683	LF	7" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	29.21	4.73
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0684	LF	7-1/4" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.01	4.84
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0685	LF	7-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	30.67	4.92
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0686	LF	8" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	31.71	5.01
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0687	LF	8-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	32.72	5.09
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0688	LF	9" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	33.93	5.22
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0689	LF	9-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	35.04	5.31
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0690	LF	10" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	36.11	5.40
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0691	LF	10-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	37.19	5.50
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0692	LF	11" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	38.50	5.66
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0693	LF	11-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	39.66	5.77
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0694	LF	12" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	40.81	5.88
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0695	LF	12-1/2" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	42.20	6.06
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0696	LF	13" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	43.14	6.12
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.47*	
22 07 19 00-0697	LF	14" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	44.81	6.18
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0698	LF	15" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	46.72	6.31
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.54*	
22 07 19 00-0699	LF	16" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	48.40	6.37
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.57*	
22 07 19 00-0700	LF	17" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	50.33	6.51
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0701	LF	18" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	51.58	6.58
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0702	LF	19" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	54.01	6.73
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.68*	
22 07 19 00-0703	LF	20" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	55.74	6.80
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0704	LF	21" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	57.74	6.96
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.75*	
22 07 19 00-0705	LF	22" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	59.46	7.04
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.78*	
22 07 19 00-0706	LF	23" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	61.55	7.21
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.82*	
22 07 19 00-0707	LF	24" ID, 0.024" Thick (24 Mil), Aluminum Insulation Jacketing	63.28	7.30
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	

22 07 19 00-0708 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0548)*

22 07 19 00-0709	LF	1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	13.78	3.05
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0710	LF	3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	14.52	3.12
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0711	LF	1" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	15.28	3.20
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0712	LF	1-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.06	3.27
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0713	LF	1-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	16.71	3.32
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0714	LF	1-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	17.38	3.37
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0715	LF	2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.12	3.44
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0716	LF	2-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	18.87	3.51
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0717	LF	2-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	19.70	3.59
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0718	LF	2-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	20.39	3.65
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0719	LF	3" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	21.23	3.73
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0720	LF	3-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.05	3.81
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0721	LF	3-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	22.86	3.90
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0722	LF	3-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	23.60	3.97
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0723	LF	4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	24.45	4.07
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0724	LF	4-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	25.31	4.17
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0725	LF	4-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	26.26	4.28
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0726	LF	4-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	27.07	4.36
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0727	LF	5" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	27.99	4.48
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0728	LF	5-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	28.95	4.60
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0729	LF	5-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	29.80	4.69
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0730	LF	5-3/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	30.86	4.83
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0731	LF	6" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	31.89	4.97
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0732	LF	6-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	32.66	5.05
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0733	LF	6-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	33.43	5.12
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0734	LF	7" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	34.77	5.24
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0735	LF	7-1/4" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	35.74	5.37
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0736	LF	7-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	36.56	5.45
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0737	LF	8" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	37.87	5.55
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0738	LF	8-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	39.15	5.65
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0739	LF	9" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	40.67	5.79
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0740	LF	9-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	42.05	5.89
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0741	LF	10" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	43.40	6.00
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0742	LF	10-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	44.76	6.10
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.51*	
22 07 19 00-0743	LF	11" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	46.37	6.27
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0744	LF	11-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	47.84	6.39
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.56*	
22 07 19 00-0745	LF	12" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	49.26	6.52
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0746	LF	12-1/2" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	50.98	6.71
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0747	LF	13" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	52.17	6.78
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	
22 07 19 00-0748	LF	14" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	54.37	6.85
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0749	LF	15" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	56.79	6.99
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.72*	
22 07 19 00-0750	LF	16" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	59.00	7.06
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.77*	
22 07 19 00-0751	LF	17" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	61.46	7.22
		For Stucco Embossed, Add	*0.33*	
		For Corrugated, Add	*0.81*	
22 07 19 00-0752	LF	18" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	63.05	7.30
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0753	LF	19" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	66.20	7.46
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.91*	
22 07 19 00-0754	LF	20" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	68.45	7.54
		For Stucco Embossed, Add	*0.38*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0755	LF	21" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	70.99	7.72
		For Stucco Embossed, Add	*0.40*	
		For Corrugated, Add	*1.00*	
22 07 19 00-0756	LF	22" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	73.21	7.81
		For Stucco Embossed, Add	*0.42*	
		For Corrugated, Add	*1.05*	
22 07 19 00-0757	LF	23" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	75.86	7.99
		For Stucco Embossed, Add	*0.44*	
		For Corrugated, Add	*1.10*	
22 07 19 00-0758	LF	24" ID, 0.032" Thick (32 Mil), Aluminum Insulation Jacketing	78.11	8.09
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	

22 07 19 00-0759 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0548)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0760	LF	1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	16.01	3.51
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0761	LF	3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	16.92	3.59
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0762	LF	1" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	17.84	3.67
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0763	LF	1-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	18.77	3.76
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0764	LF	1-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	19.58	3.82
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0765	LF	1-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	20.40	3.88
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0766	LF	2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	21.30	3.95
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0767	LF	2-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	22.21	4.05
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0768	LF	2-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	23.21	4.13
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0769	LF	2-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	24.07	4.20
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0770	LF	3" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	25.09	4.29
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0771	LF	3-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	26.07	4.39
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0772	LF	3-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.05	4.49
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0773	LF	3-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	27.95	4.57
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0774	LF	4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	28.98	4.68
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0775	LF	4-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	30.02	4.80
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0776	LF	4-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	31.17	4.92
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0777	LF	4-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	32.14	5.01
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0778	LF	5" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	33.25	5.15
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0779	LF	5-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	34.40	5.29
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0780	LF	5-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	35.43	5.40
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.35*	
22 07 19 00-0781	LF	5-3/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	36.70	5.55
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0782	LF	6" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	37.95	5.72
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.38*	
22 07 19 00-0783	LF	6-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	38.88	5.81
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.39*	
22 07 19 00-0784	LF	6-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	39.81	5.90
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.41*	
22 07 19 00-0785	LF	7" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	41.45	6.03
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.43*	
22 07 19 00-0786	LF	7-1/4" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	42.61	6.18
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0787	LF	7-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	43.60	6.28
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0788	LF	8" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	45.19	6.39
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.49*	
22 07 19 00-0789	LF	8-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	46.77	6.49
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.52*	
22 07 19 00-0790	LF	9" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	48.61	6.65
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0791	LF	9-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	50.31	6.77
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0792	LF	10" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	51.95	6.89
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.61*	
22 07 19 00-0793	LF	10-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	53.63	7.02
		For Stucco Embossed, Add	*0.26*	
		For Corrugated, Add	*0.64*	
22 07 19 00-0794	LF	11" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	55.57	7.22
		For Stucco Embossed, Add	*0.27*	
		For Corrugated, Add	*0.67*	
22 07 19 00-0795	LF	11-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	57.36	7.36
		For Stucco Embossed, Add	*0.28*	
		For Corrugated, Add	*0.70*	
22 07 19 00-0796	LF	12" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	59.10	7.50
		For Stucco Embossed, Add	*0.29*	
		For Corrugated, Add	*0.73*	
22 07 19 00-0797	LF	12-1/2" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	61.16	7.72
		For Stucco Embossed, Add	*0.30*	
		For Corrugated, Add	*0.76*	
22 07 19 00-0798	LF	13" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	62.64	7.80
		For Stucco Embossed, Add	*0.31*	
		For Corrugated, Add	*0.79*	
22 07 19 00-0799	LF	14" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	65.36	7.88
		For Stucco Embossed, Add	*0.34*	
		For Corrugated, Add	*0.85*	
22 07 19 00-0800	LF	15" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	68.34	8.04
		For Stucco Embossed, Add	*0.36*	
		For Corrugated, Add	*0.90*	
22 07 19 00-0801	LF	16" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	71.08	8.13
		For Stucco Embossed, Add	*0.39*	
		For Corrugated, Add	*0.96*	
22 07 19 00-0802	LF	17" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	74.11	8.30
		For Stucco Embossed, Add	*0.41*	
		For Corrugated, Add	*1.02*	
22 07 19 00-0803	LF	18" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	76.07	8.39
		For Stucco Embossed, Add	*0.43*	
		For Corrugated, Add	*1.06*	
22 07 19 00-0804	LF	19" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	79.95	8.58
		For Stucco Embossed, Add	*0.46*	
		For Corrugated, Add	*1.14*	
22 07 19 00-0805	LF	20" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	82.75	8.67
		For Stucco Embossed, Add	*0.48*	
		For Corrugated, Add	*1.20*	
22 07 19 00-0806	LF	21" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	85.86	8.88
		For Stucco Embossed, Add	*0.50*	
		For Corrugated, Add	*1.26*	
22 07 19 00-0807	LF	22" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	88.61	8.98
		For Stucco Embossed, Add	*0.53*	
		For Corrugated, Add	*1.32*	
22 07 19 00-0808	LF	23" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	91.87	9.20
		For Stucco Embossed, Add	*0.55*	
		For Corrugated, Add	*1.38*	
22 07 19 00-0809	LF	24" ID, 0.040" Thick (40 Mil), Aluminum Insulation Jacketing	94.63	9.30
		For Stucco Embossed, Add	*0.57*	
		For Corrugated, Add	*1.44*	

22 07 19 00-0810 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0548)*

22 07 19 00-0811	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	25.96	3.60
22 07 19 00-0812	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.49	3.74
22 07 19 00-0813	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.06	3.88
22 07 19 00-0814	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.30	3.94
22 07 19 00-0815	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.55	4.01
22 07 19 00-0816	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	30.94	4.11
22 07 19 00-0817	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	32.58	4.21
22 07 19 00-0818	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	33.01	4.32
22 07 19 00-0819	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.17	4.39
22 07 19 00-0820	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	36.96	4.47
22 07 19 00-0821	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	38.35	4.59
22 07 19 00-0822	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.25	4.67
22 07 19 00-0823	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.59	4.76
22 07 19 00-0824	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	39.96	4.85
22 07 19 00-0825	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	42.96	4.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0826	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	46.91	5.05
22 07 19 00-0827	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	54.10	5.20
22 07 19 00-0828	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	54.54	5.31
22 07 19 00-0829	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.34	5.48
22 07 19 00-0830	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	50.83	5.61
22 07 19 00-0831	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	57.41	5.80
22 07 19 00-0832	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	65.26	5.94
22 07 19 00-0833	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	65.54	6.01
22 07 19 00-0834	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	85.36	6.08
22 07 19 00-0835	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	70.13	6.16
22 07 19 00-0836	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	109.34	6.31
22 07 19 00-0837	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	109.98	6.47
22 07 19 00-0838	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.07	6.55
22 07 19 00-0839	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	88.43	6.64
22 07 19 00-0840	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	90.12	6.73
22 07 19 00-0841	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	90.48	6.82
22 07 19 00-0842	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	99.88	7.01
22 07 19 00-0843	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	100.27	7.10
22 07 19 00-0844	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	157.13	7.32
22 07 19 00-0845	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	157.57	7.43
22 07 19 00-0846	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	202.07	7.65
22 07 19 00-0847	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	210.82	7.89
22 07 19 00-0848	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	227.61	8.01
22 07 19 00-0849	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.02	4.01
22 07 19 00-0850	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	28.41	4.11
22 07 19 00-0851	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.39	4.21
22 07 19 00-0852	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.82	4.32
22 07 19 00-0853	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	33.02	4.39
22 07 19 00-0854	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	33.33	4.47
22 07 19 00-0855	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.08	4.59
22 07 19 00-0856	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.64	4.67
22 07 19 00-0857	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	36.98	4.76
22 07 19 00-0858	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	37.35	4.85
22 07 19 00-0859	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	40.86	4.95
22 07 19 00-0860	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.26	5.05
22 07 19 00-0861	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.90	5.20
22 07 19 00-0862	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	44.03	5.48
22 07 19 00-0863	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	53.72	5.80
22 07 19 00-0864	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	54.26	5.94
22 07 19 00-0865	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	55.11	6.08
22 07 19 00-0866	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	55.40	6.16
22 07 19 00-0867	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	63.54	6.31
22 07 19 00-0868	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	64.18	6.47
22 07 19 00-0869	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	79.37	6.55
22 07 19 00-0870	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	79.73	6.64
22 07 19 00-0871	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	76.64	6.73
22 07 19 00-0872	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	77.00	6.82
22 07 19 00-0873	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	87.77	7.01
22 07 19 00-0874	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	88.16	7.10
22 07 19 00-0875	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	99.80	7.43
22 07 19 00-0876	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	116.61	7.65
22 07 19 00-0877	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	164.08	7.89
22 07 19 00-0878	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	175.73	8.01
22 07 19 00-0879	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	172.86	8.14
22 07 19 00-0880	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	193.13	8.27
22 07 19 00-0881	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	229.13	8.41
22 07 19 00-0882	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	223.27	8.55
22 07 19 00-0883	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	238.91	8.70
22 07 19 00-0884	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	105.33	5.74
22 07 19 00-0885	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	105.87	5.87
22 07 19 00-0886	EA	3" ID, Aluminum Tee Insulation Jacketing	117.11	6.01
22 07 19 00-0887	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	117.69	6.16
22 07 19 00-0888	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	122.78	6.31
22 07 19 00-0889	EA	4" ID, Aluminum Tee Insulation Jacketing	124.48	6.47
22 07 19 00-0890	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	130.85	6.64
22 07 19 00-0891	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	130.71	6.82
22 07 19 00-0892	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	131.47	7.01
22 07 19 00-0893	EA	5" ID, Aluminum Tee Insulation Jacketing	136.13	7.21
22 07 19 00-0894	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	136.98	7.43
22 07 19 00-0895	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	142.62	7.65
22 07 19 00-0896	EA	6" ID, Aluminum Tee Insulation Jacketing	143.58	7.89
22 07 19 00-0897	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	156.72	8.41
22 07 19 00-0898	EA	7" ID, Aluminum Tee Insulation Jacketing	157.88	8.70
22 07 19 00-0899	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	172.91	9.02
22 07 19 00-0900	EA	8" ID, Aluminum Tee Insulation Jacketing	174.24	9.35
22 07 19 00-0901	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	179.29	9.70
22 07 19 00-0902	EA	9" ID, Aluminum Tee Insulation Jacketing	180.84	10.09
22 07 19 00-0903	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	145.45	10.30
22 07 19 00-0904	EA	10" ID, Aluminum Tee Insulation Jacketing	146.30	10.52
22 07 19 00-0905	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	154.00	10.74
22 07 19 00-0906	EA	11" ID, Aluminum Tee Insulation Jacketing	154.94	10.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0907	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	161.96	11.21
22 07 19 00-0908	EA	12" ID, Aluminum Tee Insulation Jacketing	162.98	11.47
22 07 19 00-0909	EA	13" ID, Aluminum Tee Insulation Jacketing	169.87	11.73
22 07 19 00-0910	EA	14" ID, Aluminum Tee Insulation Jacketing	177.02	12.02
22 07 19 00-0911	EA	15" ID, Aluminum Tee Insulation Jacketing	188.72	12.31
22 07 19 00-0912	EA	16" ID, Aluminum Tee Insulation Jacketing	193.44	12.62
22 07 19 00-0913	EA	17" ID, Aluminum Tee Insulation Jacketing	216.14	12.94
22 07 19 00-0914	EA	18" ID, Aluminum Tee Insulation Jacketing	223.90	13.28
22 07 19 00-0915	EA	19" ID, Aluminum Tee Insulation Jacketing	243.42	13.64
22 07 19 00-0916	EA	20" ID, Aluminum Tee Insulation Jacketing	249.05	14.02
22 07 19 00-0917	EA	22" ID, Aluminum Tee Insulation Jacketing	303.17	14.42
22 07 19 00-0918	EA	23" ID, Aluminum Tee Insulation Jacketing	311.69	14.84
22 07 19 00-0919	EA	24" ID, Aluminum Tee Insulation Jacketing	324.00	16.28
22 07 19 00-0920		Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0547)*		
22 07 19 00-0921		Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0920)*		
22 07 19 00-0922	SF	0.010" Stainless Steel Insulation Jacket With Bands	23.87	9.46
22 07 19 00-0923	SF	0.016" Stainless Steel Insulation Jacket With Bands	29.35	11.35
22 07 19 00-0924		10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0920)*		
22 07 19 00-0925	LF	2-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	12.24	2.02
22 07 19 00-0926	LF	2-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	12.78	2.06
22 07 19 00-0927	LF	3" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.31	2.10
22 07 19 00-0928	LF	3-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	13.88	2.14
22 07 19 00-0929	LF	3-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	14.43	2.19
22 07 19 00-0930	LF	3-3/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.00	2.24
22 07 19 00-0931	LF	4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	15.57	2.29
22 07 19 00-0932	LF	4-1/4" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.15	2.34
22 07 19 00-0933	LF	4-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	16.74	2.41
22 07 19 00-0934	LF	5" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	17.97	2.53
22 07 19 00-0935	LF	5-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	19.24	2.66
22 07 19 00-0936	LF	6" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	20.56	2.81
22 07 19 00-0937	LF	6-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	21.62	2.89
22 07 19 00-0938	LF	7" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	22.71	2.97
22 07 19 00-0939	LF	7-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	23.88	3.08
22 07 19 00-0940	LF	8" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	24.85	3.14
22 07 19 00-0941	LF	8-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	25.83	3.19
22 07 19 00-0942	LF	9" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	26.82	3.26
22 07 19 00-0943	LF	9-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	27.81	3.32
22 07 19 00-0944	LF	10" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	28.82	3.39
22 07 19 00-0945	LF	10-1/2" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	29.85	3.46
22 07 19 00-0946	LF	11" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	30.88	3.53
22 07 19 00-0947	LF	12" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	32.96	3.68
22 07 19 00-0948	LF	13" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	35.02	3.82
22 07 19 00-0949	LF	14" ID, 0.010" Thick (10 Mil), Stainless Steel Insulation Jacketing	36.72	3.88
22 07 19 00-0950		16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0920)*		
22 07 19 00-0951	LF	2-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	16.78	2.69
22 07 19 00-0952	LF	2-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	17.54	2.74
22 07 19 00-0953	LF	3" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	18.30	2.80
22 07 19 00-0954	LF	3-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.08	2.86
22 07 19 00-0955	LF	3-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	19.87	2.92
22 07 19 00-0956	LF	3-3/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	20.66	2.98
22 07 19 00-0957	LF	4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	21.48	3.05
22 07 19 00-0958	LF	4-1/4" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	22.29	3.12
22 07 19 00-0959	LF	4-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	23.12	3.20
22 07 19 00-0960	LF	5" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	24.84	3.36
22 07 19 00-0961	LF	5-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	26.62	3.53
22 07 19 00-0962	LF	6" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	28.47	3.73
22 07 19 00-0963	LF	6-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	29.97	3.83
22 07 19 00-0964	LF	7" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	31.51	3.94
22 07 19 00-0965	LF	7-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	33.15	4.10
22 07 19 00-0966	LF	8" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	34.52	4.17
22 07 19 00-0967	LF	8-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	35.92	4.25
22 07 19 00-0968	LF	9" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	37.32	4.33
22 07 19 00-0969	LF	9-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	38.73	4.42
22 07 19 00-0970	LF	10" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	40.16	4.51
22 07 19 00-0971	LF	10-1/2" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	41.62	4.60
22 07 19 00-0972	LF	11" ID, 0.0106 Thick (16 Mil), Stainless Steel Insulation Jacketing	43.08	4.69
22 07 19 00-0973	LF	12" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	46.03	4.90
22 07 19 00-0974	LF	13" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	48.93	5.08
22 07 19 00-0975	LF	14" ID, 0.016" Thick (16 Mil), Stainless Steel Insulation Jacketing	51.37	5.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0976		Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0920)*		
22 07 19 00-0977	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.42	4.01
22 07 19 00-0978	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	34.81	4.11
22 07 19 00-0979	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.07	4.21
22 07 19 00-0980	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	36.50	4.32
22 07 19 00-0981	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	37.77	4.39
22 07 19 00-0982	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	39.22	4.47
22 07 19 00-0983	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	41.84	4.59
22 07 19 00-0984	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	49.91	4.67
22 07 19 00-0985	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	50.25	4.76
22 07 19 00-0986	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	51.73	4.95
22 07 19 00-0987	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	68.41	5.20
22 07 19 00-0988	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	74.20	5.48
22 07 19 00-0989	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	95.14	5.80
22 07 19 00-0990	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	95.68	5.94
22 07 19 00-0991	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	108.31	6.08
22 07 19 00-0992	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	109.23	6.31
22 07 19 00-0993	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	112.08	6.31
22 07 19 00-0994	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	157.97	6.47
22 07 19 00-0995	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	156.00	6.55
22 07 19 00-0996	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	156.36	6.64
22 07 19 00-0997	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	182.21	6.73
22 07 19 00-0998	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	175.52	6.82
22 07 19 00-0999	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	196.73	7.10
22 07 19 00-1000	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	262.86	7.43
22 07 19 00-1001	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	265.32	7.65
22 07 19 00-1002	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.36	4.01
22 07 19 00-1003	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.75	4.11
22 07 19 00-1004	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.34	4.21
22 07 19 00-1005	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.77	4.32
22 07 19 00-1006	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	34.26	4.39
22 07 19 00-1007	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.57	4.47
22 07 19 00-1008	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	39.84	4.59
22 07 19 00-1009	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	48.85	4.67
22 07 19 00-1010	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.19	4.76
22 07 19 00-1011	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	49.56	4.85
22 07 19 00-1012	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	50.46	4.95
22 07 19 00-1013	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.48	5.20
22 07 19 00-1014	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	58.32	5.48
22 07 19 00-1015	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	59.59	5.80
22 07 19 00-1016	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	85.31	5.94
22 07 19 00-1017	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.15	6.08
22 07 19 00-1018	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.44	6.16
22 07 19 00-1019	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	98.76	6.31
22 07 19 00-1020	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	99.40	6.47
22 07 19 00-1021	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	112.52	6.55
22 07 19 00-1022	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	112.88	6.64
22 07 19 00-1023	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	130.65	6.73
22 07 19 00-1024	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	131.01	6.82
22 07 19 00-1025	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	141.08	7.10
22 07 19 00-1026	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	162.25	7.43
22 07 19 00-1027		Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0547)*		
22 07 19 00-1028		20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1027)*		
22 07 19 00-1029	LF	1-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	8.69	1.87
22 07 19 00-1030	LF	2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.38	1.94
22 07 19 00-1031	LF	2-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	9.99	2.02
22 07 19 00-1032	LF	3" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.73	2.10
22 07 19 00-1033	LF	3-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.40	2.19
22 07 19 00-1034	LF	4" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.15	2.29
22 07 19 00-1035	LF	4-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.94	2.41
22 07 19 00-1036	LF	5" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.72	2.53
22 07 19 00-1037	LF	5-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.61	2.66
22 07 19 00-1038	LF	6" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.54	2.81
22 07 19 00-1039	LF	6-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.22	2.89
22 07 19 00-1040	LF	7" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.86	2.97
22 07 19 00-1041	LF	7-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.70	3.08
22 07 19 00-1042	LF	8" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.23	3.14
22 07 19 00-1043	LF	8-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.83	3.19
22 07 19 00-1044	LF	9" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.42	3.26
22 07 19 00-1045	LF	9-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.03	3.32
22 07 19 00-1046	LF	10" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.61	3.39
22 07 19 00-1047	LF	10-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.24	3.46
22 07 19 00-1048	LF	11" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.88	3.53
22 07 19 00-1049	LF	11-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.53	3.60
22 07 19 00-1050	LF	12" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.15	3.68
22 07 19 00-1051	LF	12-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.88	3.76
22 07 19 00-1052	LF	13" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.42	3.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1053	LF	13-1/2" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.77	3.82
22 07 19 00-1054	LF	14" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.36	3.88
22 07 19 00-1055	LF	15" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.30	3.94
22 07 19 00-1056	LF	16" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.21	4.01
22 07 19 00-1057	LF	17" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.17	4.07
22 07 19 00-1058	LF	18" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.14	4.14
22 07 19 00-1059	LF	19" ID, 0.02" Thick (20 Mil), Chloride (PVC) Insulation Jacketing	30.08	4.21
22 07 19 00-1060	LF	20" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.07	4.28
22 07 19 00-1061	LF	21" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.01	4.35
22 07 19 00-1062	LF	22" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.03	4.43
22 07 19 00-1063	LF	23" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	34.00	4.51
22 07 19 00-1064	LF	24" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.04	4.59
22 07 19 00-1065	LF	25" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.09	4.67
22 07 19 00-1066	LF	26" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.08	4.76
22 07 19 00-1067	LF	27" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	38.16	4.85
22 07 19 00-1068	LF	28" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.19	4.95
22 07 19 00-1069	LF	29" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.30	5.05
22 07 19 00-1070	LF	30" ID, 0.02" Thick (20 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.41	5.15
22 07 19 00-1071		30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-1027)*		
22 07 19 00-1072	LF	2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.14	1.94
22 07 19 00-1073	LF	2-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	10.94	2.02
22 07 19 00-1074	LF	3" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	11.84	2.10
22 07 19 00-1075	LF	3-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	12.66	2.19
22 07 19 00-1076	LF	4" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	13.56	2.29
22 07 19 00-1077	LF	4-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	14.50	2.41
22 07 19 00-1078	LF	5" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	15.48	2.53
22 07 19 00-1079	LF	5-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	16.53	2.66
22 07 19 00-1080	LF	6" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	17.61	2.81
22 07 19 00-1081	LF	6-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	18.43	2.89
22 07 19 00-1082	LF	7" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	19.28	2.97
22 07 19 00-1083	LF	7-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	20.27	3.08
22 07 19 00-1084	LF	8" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.01	3.14
22 07 19 00-1085	LF	8-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	21.75	3.19
22 07 19 00-1086	LF	9" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	22.49	3.26
22 07 19 00-1087	LF	9-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	23.26	3.32
22 07 19 00-1088	LF	10" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.03	3.39
22 07 19 00-1089	LF	10-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	24.82	3.46
22 07 19 00-1090	LF	11" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	25.61	3.53
22 07 19 00-1091	LF	11-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	26.41	3.60
22 07 19 00-1092	LF	12" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	27.23	3.68
22 07 19 00-1093	LF	12-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.11	3.76
22 07 19 00-1094	LF	13" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	28.86	3.82
22 07 19 00-1095	LF	13-1/2" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	29.36	3.82
22 07 19 00-1096	LF	14" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	30.09	3.88
22 07 19 00-1097	LF	15" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	31.34	3.94
22 07 19 00-1098	LF	16" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	32.60	4.01
22 07 19 00-1099	LF	17" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	33.87	4.07
22 07 19 00-1100	LF	18" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	35.19	4.14
22 07 19 00-1101	LF	19" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	36.48	4.21
22 07 19 00-1102	LF	20" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	37.77	4.28
22 07 19 00-1103	LF	21" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	39.07	4.35
22 07 19 00-1104	LF	22" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	40.39	4.43
22 07 19 00-1105	LF	23" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	41.71	4.51
22 07 19 00-1106	LF	24" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	43.05	4.59
22 07 19 00-1107	LF	25" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	44.45	4.67
22 07 19 00-1108	LF	26" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	45.80	4.76
22 07 19 00-1109	LF	27" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	47.18	4.85
22 07 19 00-1110	LF	28" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	48.57	4.95
22 07 19 00-1111	LF	29" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	49.97	5.05
22 07 19 00-1112	LF	30" ID, 0.03" Thick (30 Mil), Polyvinyl Chloride (PVC) Insulation Jacketing	51.39	5.15
22 07 19 00-1113		Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-1027)*		
22 07 19 00-1114	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1115	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1116	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1117	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1118	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1119	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1120	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1121	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1122	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1123	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1124	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1125	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1126	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1127	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1128	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	55.45	5.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1129	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1130	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1131	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1132	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	91.08	6.82
22 07 19 00-1133	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	101.55	7.10
22 07 19 00-1134	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	122.02	7.43
22 07 19 00-1135	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	136.11	7.65
22 07 19 00-1136	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	144.93	7.89
22 07 19 00-1137	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	155.81	8.01
22 07 19 00-1138	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	169.89	8.14
22 07 19 00-1139	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	210.24	8.27
22 07 19 00-1140	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	274.14	8.41
22 07 19 00-1141	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	343.29	8.55
22 07 19 00-1142	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.72	3.74
22 07 19 00-1143	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.96	3.88
22 07 19 00-1144	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	19.60	3.94
22 07 19 00-1145	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	20.25	4.01
22 07 19 00-1146	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.00	4.11
22 07 19 00-1147	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.67	4.21
22 07 19 00-1148	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.89	4.35
22 07 19 00-1149	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.01	4.47
22 07 19 00-1150	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	26.12	4.59
22 07 19 00-1151	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.60	4.81
22 07 19 00-1152	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	31.13	5.05
22 07 19 00-1153	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	35.66	5.31
22 07 19 00-1154	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.47	5.61
22 07 19 00-1155	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	48.51	5.80
22 07 19 00-1156	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	55.45	5.94
22 07 19 00-1157	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	57.58	6.08
22 07 19 00-1158	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	68.03	6.31
22 07 19 00-1159	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	83.36	6.55
22 07 19 00-1160	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	91.03	6.82
22 07 19 00-1161	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	98.73	7.10
22 07 19 00-1162	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	108.16	7.43
22 07 19 00-1163	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	120.23	7.65
22 07 19 00-1164	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	127.75	7.89
22 07 19 00-1165	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	141.90	8.01
22 07 19 00-1166	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	156.28	8.14
22 07 19 00-1167	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	184.29	8.27
22 07 19 00-1168	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	239.87	8.41
22 07 19 00-1169	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	267.80	8.55
22 07 19 00-1170	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.27	5.25
22 07 19 00-1171	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	27.42	5.37
22 07 19 00-1172	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	28.63	5.54
22 07 19 00-1173	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	30.00	5.74
22 07 19 00-1174	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	31.51	5.94
22 07 19 00-1175	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	33.03	6.16
22 07 19 00-1176	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	35.23	6.39
22 07 19 00-1177	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	37.56	6.64
22 07 19 00-1178	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	40.65	6.91
22 07 19 00-1179	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	45.02	7.21
22 07 19 00-1180	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	49.58	7.54
22 07 19 00-1181	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	57.89	8.01
22 07 19 00-1182	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.62	8.41
22 07 19 00-1183	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	76.24	8.55
22 07 19 00-1184	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	103.34	8.86
22 07 19 00-1185	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	111.87	9.35
22 07 19 00-1186	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	129.43	9.70
22 07 19 00-1187	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	147.21	10.09
22 07 19 00-1188	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	150.15	10.52
22 07 19 00-1189	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	163.04	10.74
22 07 19 00-1190	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	175.98	10.97
22 07 19 00-1191	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	189.04	11.21
22 07 19 00-1192	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	202.01	11.47
22 07 19 00-1193	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	215.11	11.73
22 07 19 00-1194	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	228.12	12.02
22 07 19 00-1195	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	247.45	12.31
22 07 19 00-1196	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	266.72	12.62
22 07 19 00-1197	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	290.03	12.94
22 07 19 00-1198	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60
22 07 19 00-1199	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	36.34	3.60
22 07 19 00-1200	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74
22 07 19 00-1201	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	42.72	3.74
22 07 19 00-1202	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	59.32	3.88
22 07 19 00-1203	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	64.78	4.04
22 07 19 00-1204	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	71.31	4.21
22 07 19 00-1205	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	80.60	4.39
22 07 19 00-1206	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	88.61	4.59
22 07 19 00-1207	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	107.53	5.05
22 07 19 00-1208	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	151.44	5.61
22 07 19 00-1209	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	165.74	6.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1210	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	206.68	6.73
22 07 19 00-1211	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	288.22	7.43
22 07 19 00-1212	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	290.04	7.77
22 07 19 00-1213	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	384.26	8.01
22 07 19 00-1214	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	517.51	8.27
22 07 19 00-1215	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60
22 07 19 00-1216	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.92	3.60
22 07 19 00-1217	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.80	3.74
22 07 19 00-1218	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	39.80	3.74
22 07 19 00-1219	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	54.54	3.88
22 07 19 00-1220	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	59.44	4.04
22 07 19 00-1221	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	65.46	4.21
22 07 19 00-1222	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	68.85	4.39
22 07 19 00-1223	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	80.85	4.59
22 07 19 00-1224	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	97.90	5.05
22 07 19 00-1225	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	137.28	5.61
22 07 19 00-1226	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	150.22	6.31
22 07 19 00-1227	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	186.93	6.73
22 07 19 00-1228	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	259.95	7.43
22 07 19 00-1229	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	330.56	7.77
22 07 19 00-1230	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	394.89	8.01
22 07 19 00-1231	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	461.37	8.27
22 07 19 00-1232	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42
22 07 19 00-1233	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	50.28	5.42
22 07 19 00-1234	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61
22 07 19 00-1235	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	58.51	5.61
22 07 19 00-1236	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	80.11	5.80
22 07 19 00-1237	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	87.33	6.01
22 07 19 00-1238	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	96.05	6.31
22 07 19 00-1239	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	101.25	6.55
22 07 19 00-1240	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	119.27	6.91
22 07 19 00-1241	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	131.07	7.54
22 07 19 00-1242	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	182.97	8.41
22 07 19 00-1243	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	199.25	9.35
22 07 19 00-1244	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	274.11	10.09
22 07 19 00-1245	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	379.88	10.97
22 07 19 00-1246	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	452.78	11.73
22 07 19 00-1247	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	534.89	12.02
22 07 19 00-1248	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	585.55	12.31

22 07 19 00-1249 Flexible Elastomeric Unicellular Insulation *(22 07 19)*

Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-1250 3/8" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1249)*

22 07 19 00-1251	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.33	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-1252	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	9.87	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-1253	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.37	4.05
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-1254	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	10.80	4.12
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-1255	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	11.28	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-1256	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.03	4.21
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-1257	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	12.94	4.32
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-1258	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	15.21	4.34
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-1259	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation	16.83	4.41
		For Work In Restricted Working Space, Add	*2.64*	

22 07 19 00-1260 1/2" Wall Flexible Elastomeric Unicellular Insulation *(22 07 19 00-1249)*

22 07 19 00-1261	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	10.79	4.05
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-1262	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.32	4.18
		For Work In Restricted Working Space, Add	*2.51*	
22 07 19 00-1263	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	11.72	4.18
		For Work In Restricted Working Space, Add	*2.52*	
22 07 19 00-1264	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.32	4.31
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-1265	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	12.82	4.38
		For Work In Restricted Working Space, Add	*2.62*	
22 07 19 00-1266	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	13.58	4.44
		For Work In Restricted Working Space, Add	*2.67*	
22 07 19 00-1267	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	15.00	4.51
		For Work In Restricted Working Space, Add	*2.70*	
22 07 19 00-1268	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	17.37	4.64
		For Work In Restricted Working Space, Add	*2.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1269	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	18.91	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1270	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	22.07	4.77
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-1271	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation	23.54	4.83
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1272		**3/4" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-1249)*		
22 07 19 00-1273	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	12.96	4.42
		For Work In Restricted Working Space, Add	*2.65*	
22 07 19 00-1274	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	13.79	4.64
		For Work In Restricted Working Space, Add	*2.78*	
22 07 19 00-1275	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	14.80	4.71
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-1276	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	16.27	4.84
		For Work In Restricted Working Space, Add	*2.90*	
22 07 19 00-1277	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	17.32	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-1278	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	19.93	4.97
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-1279	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	22.17	5.01
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-1280	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	25.54	5.11
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-1281	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	27.88	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-1282	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	31.75	5.23
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-1283	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation	33.51	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-1284		**1" Wall Flexible Elastomeric Unicellular Insulation** *(22 07 19 00-1249)*		
22 07 19 00-1285	LF	3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	17.38	4.91
		For Work In Restricted Working Space, Add	*2.94*	
22 07 19 00-1286	LF	1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	18.27	5.11
		For Work In Restricted Working Space, Add	*3.06*	
22 07 19 00-1287	LF	3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	20.29	5.17
		For Work In Restricted Working Space, Add	*3.10*	
22 07 19 00-1288	LF	1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	22.69	5.30
		For Work In Restricted Working Space, Add	*3.18*	
22 07 19 00-1289	LF	1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	24.89	5.43
		For Work In Restricted Working Space, Add	*3.26*	
22 07 19 00-1290	LF	1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	26.52	5.50
		For Work In Restricted Working Space, Add	*3.30*	
22 07 19 00-1291	LF	2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	29.82	5.56
		For Work In Restricted Working Space, Add	*3.34*	
22 07 19 00-1292	LF	2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	37.77	5.71
		For Work In Restricted Working Space, Add	*3.42*	
22 07 19 00-1293	LF	3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	43.51	5.77
		For Work In Restricted Working Space, Add	*3.46*	
22 07 19 00-1294	LF	3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	46.60	5.83
		For Work In Restricted Working Space, Add	*3.50*	
22 07 19 00-1295	LF	4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation	52.96	5.97
		For Work In Restricted Working Space, Add	*3.58*	
22 07 19 00-1296		**Insulation Foam Rubber** *(22 07 19)*		
22 07 19 00-1297		**Covering 4x6 Sheet** *(22 07 19 00-1296)*		
22 07 19 00-1298	SF	1" Thick Foam Rubber Sheet Insulation	26.02	8.96

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0002	LF	1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	20.21	4.53
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.34*	
		For ASTM 120, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*4.50*	
22 11 16 00-0003	LF	3/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.27	4.86
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.05*	
		For ASTM 120, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*4.76*	
22 11 16 00-0004	LF	1" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	25.41	5.32
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*7.19*	
		For ASTM 120, Deduct	*-1.26*	
		For Work In Restricted Working Space, Add	*5.09*	
22 11 16 00-0005	LF	1-1/4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.99	5.55
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.99*	
		For ASTM 120, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*5.41*	
22 11 16 00-0006	LF	1-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	32.36	6.57
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*9.86*	
		For ASTM 120, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*5.64*	
22 11 16 00-0007	LF	2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	39.09	7.92
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*12.24*	
		For ASTM 120, Deduct	*-2.65*	
		For Work In Restricted Working Space, Add	*6.42*	
22 11 16 00-0008	LF	2-1/2" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	55.70	9.39
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*18.80*	
		For ASTM 120, Deduct	*-4.59*	
		For Work In Restricted Working Space, Add	*7.52*	
22 11 16 00-0009	LF	3" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	69.29	12.57
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*23.58*	
		For ASTM 120, Deduct	*-5.84*	
		For Work In Restricted Working Space, Add	*9.12*	
22 11 16 00-0010	LF	4" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	100.63	14.27
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*36.95*	
		For ASTM 120, Deduct	*-10.09*	
		For Work In Restricted Working Space, Add	*10.01*	
22 11 16 00-0011	LF	5" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	178.01	18.24
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*70.03*	
		For ASTM 120, Deduct	*-20.66*	
		For Work In Restricted Working Space, Add	*12.09*	
22 11 16 00-0012	LF	6" Diameter, Schedule 40 Threaded Galvanized Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	198.76	21.58
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*78.00*	
		For ASTM 120, Deduct	*-22.95*	
		For Work In Restricted Working Space, Add	*13.73*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

22 11 16 00-0014 Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0015	LF	1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	9.91	4.53
		For Schedule 80 Pipe, Add	*2.15*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*2.06*	
22 11 16 00-0016	LF	3/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.33	4.86
		For Schedule 80 Pipe, Add	*2.66*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*2.19*	
22 11 16 00-0017	LF	1" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	13.89	5.32
		For Schedule 80 Pipe, Add	*3.66*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0018	LF	1-1/4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	16.48	5.55
		For Schedule 80 Pipe, Add	*4.73*	
		For ASTM 120, Deduct	*-1.22*	
		For Work In Restricted Working Space, Add	*2.51*	
22 11 16 00-0019	LF	1-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	19.53	6.57
		For Schedule 80 Pipe, Add	*5.64*	
		For ASTM 120, Deduct	*-1.45*	
		For Work In Restricted Working Space, Add	*2.95*	
22 11 16 00-0020	LF	2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	24.92	7.92
		For Schedule 80 Pipe, Add	*7.44*	
		For ASTM 120, Deduct	*-1.95*	
		For Work In Restricted Working Space, Add	*3.57*	
22 11 16 00-0021	LF	2-1/2" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	34.78	9.39
		For Schedule 80 Pipe, Add	*11.32*	
		For ASTM 120, Deduct	*-3.09*	
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-0022	LF	3" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	45.87	12.57
		For Schedule 80 Pipe, Add	*14.85*	
		For ASTM 120, Deduct	*-4.05*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0023	LF	4" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	59.92	14.27
		For Schedule 80 Pipe, Add	*20.60*	
		For ASTM 120, Deduct	*-5.77*	
		For Work In Restricted Working Space, Add	*6.44*	
22 11 16 00-0024	LF	5" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	78.90	18.24
		For Schedule 80 Pipe, Add	*27.49*	
		For ASTM 120, Deduct	*-7.74*	
		For Work In Restricted Working Space, Add	*8.20*	
22 11 16 00-0025	LF	6" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	99.21	21.58
		For Schedule 80 Pipe, Add	*35.34*	
		For ASTM 120, Deduct	*-10.04*	
		For Work In Restricted Working Space, Add	*9.69*	
22 11 16 00-0026	LF	8" Diameter, Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	111.31	26.08
		For Schedule 80 Pipe, Add	*38.60*	
		For ASTM 120, Deduct	*-10.84*	
		For Work In Restricted Working Space, Add	*11.71*	

22 11 16 00-0027 Seamless, Threaded And Coupled, Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

22 11 16 00-0028	LF	1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	13.77	4.53
		For Schedule 80 Pipe, Add	*4.00*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*2.06*	
22 11 16 00-0029	LF	3/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	15.58	4.86
		For Schedule 80 Pipe, Add	*4.70*	
		For ASTM 120, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*2.19*	
22 11 16 00-0030	LF	1" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	17.54	5.32
		For Schedule 80 Pipe, Add	*5.41*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*2.37*	
22 11 16 00-0031	LF	1-1/4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	20.47	5.55
		For Schedule 80 Pipe, Add	*6.64*	
		For ASTM 120, Deduct	*-1.81*	
		For Work In Restricted Working Space, Add	*2.51*	
22 11 16 00-0032	LF	1-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	23.65	6.57
		For Schedule 80 Pipe, Add	*7.61*	
		For ASTM 120, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*2.95*	
22 11 16 00-0033	LF	2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	27.64	7.92
		For Schedule 80 Pipe, Add	*8.74*	
		For ASTM 120, Deduct	*-2.36*	
		For Work In Restricted Working Space, Add	*3.57*	
22 11 16 00-0034	LF	2-1/2" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	40.48	9.39
		For Schedule 80 Pipe, Add	*14.05*	
		For ASTM 120, Deduct	*-3.95*	
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-0035	LF	3" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	51.05	12.57
		For Schedule 80 Pipe, Add	*17.34*	
		For ASTM 120, Deduct	*-4.83*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0036	LF	4" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	67.49	14.27
		For Schedule 80 Pipe, Add	*24.24*	
		For ASTM 120, Deduct	*-6.90*	
		For Work In Restricted Working Space, Add	*6.44*	
22 11 16 00-0037	LF	5" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	87.39	18.24
		For Schedule 80 Pipe, Add	*31.57*	
		For ASTM 120, Deduct	*-9.01*	
		For Work In Restricted Working Space, Add	*8.20*	
22 11 16 00-0038	LF	6" Diameter, Schedule 40, Seamless, Threaded Galvanized Steel Pipe	109.15	21.58
		For Schedule 80 Pipe, Add	*40.11*	
		For ASTM 120, Deduct	*-11.53*	
		For Work In Restricted Working Space, Add	*9.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	33.95	20.15
		For ASTM 120, Deduct	*-0.57*	
		For 300 Lb. Rating, Add	*14.63*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0041	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	38.42	22.53
		For ASTM 120, Deduct	*-0.70*	
		For 300 Lb. Rating, Add	*17.80*	
		For Work In Restricted Working Space, Add	*10.13*	
22 11 16 00-0042	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	46.31	25.12
		For ASTM 120, Deduct	*-1.29*	
		For 300 Lb. Rating, Add	*31.47*	
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0043	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	56.28	28.52
		For ASTM 120, Deduct	*-2.04*	
		For 300 Lb. Rating, Add	*48.73*	
		For Work In Restricted Working Space, Add	*12.81*	
22 11 16 00-0044	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	65.87	32.14
		For ASTM 120, Deduct	*-2.66*	
		For 300 Lb. Rating, Add	*63.14*	
		For Work In Restricted Working Space, Add	*14.45*	
22 11 16 00-0045	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	90.19	40.85
		For ASTM 120, Deduct	*-4.35*	
		For 300 Lb. Rating, Add	*102.34*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0046	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	166.47	60.44
		For ASTM 120, Deduct	*-11.39*	
		For 300 Lb. Rating, Add	*263.63*	
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0047	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	244.32	79.45
		For ASTM 120, Deduct	*-18.78*	
		For 300 Lb. Rating, Add	*432.83*	
		For Work In Restricted Working Space, Add	*35.74*	
22 11 16 00-0048	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	346.06	83.50
		For ASTM 120, Deduct	*-33.12*	
		For 300 Lb. Rating, Add	*758.34*	
		For Work In Restricted Working Space, Add	*37.57*	
22 11 16 00-0049	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,084.32	87.16
		For ASTM 120, Deduct	*-143.05*	
		For 300 Lb. Rating, Add	*3,250.25*	
		For Work In Restricted Working Space, Add	*39.20*	
22 11 16 00-0050	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,015.77	91.13
		For ASTM 120, Deduct	*-131.87*	
		For 300 Lb. Rating, Add	*2,997.34*	
		For Work In Restricted Working Space, Add	*40.98*	
22 11 16 00-0051	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 90 Degree Elbow	1,203.41	95.22
		For ASTM 120, Deduct	*-159.10*	
		For 300 Lb. Rating, Add	*3,614.78*	
		For Work In Restricted Working Space, Add	*42.83*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	40.05	21.28
		For ASTM 120, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*9.59*	
22 11 16 00-0054	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	46.10	23.87
		For ASTM 120, Deduct	*-1.55*	
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-0055	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	44.93	22.64
		For ASTM 120, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*10.19*	
22 11 16 00-0056	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	57.57	26.82
		For ASTM 120, Deduct	*-2.60*	
		For Work In Restricted Working Space, Add	*12.06*	
22 11 16 00-0057	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	59.09	25.47
		For ASTM 120, Deduct	*-3.13*	
		For Work In Restricted Working Space, Add	*11.47*	
22 11 16 00-0058	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	58.53	24.33
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*10.93*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	73.16	30.33
		For ASTM 120, Deduct	*-4.16*	
		For Work In Restricted Working Space, Add	*13.63*	
22 11 16 00-0060	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	70.68	28.63
		For ASTM 120, Deduct	*-4.16*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0061	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	68.70	27.28
		For ASTM 120, Deduct	*-4.16*	
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-0062	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	87.07	36.44
		For ASTM 120, Deduct	*-4.86*	
		For Work In Restricted Working Space, Add	*16.40*	
22 11 16 00-0063	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	89.08	34.63
		For ASTM 120, Deduct	*-5.57*	
		For Work In Restricted Working Space, Add	*15.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0064	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	87.99	32.93
		For ASTM 120, Deduct	*-5.78*	
		For Work In Restricted Working Space, Add	*14.83*	
22 11 16 00-0065	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	76.72	31.69
		For ASTM 120, Deduct	*-4.39*	
		For Work In Restricted Working Space, Add	*14.24*	
22 11 16 00-0066	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	185.69	50.59
		For ASTM 120, Deduct	*-16.48*	
		For Work In Restricted Working Space, Add	*22.76*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	191.73	46.29
		For ASTM 120, Deduct	*-18.36*	
		For Work In Restricted Working Space, Add	*20.81*	
22 11 16 00-0068	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	304.46	69.94
		For ASTM 120, Deduct	*-29.95*	
		For Work In Restricted Working Space, Add	*31.45*	
22 11 16 00-0069	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	263.54	60.09
		For ASTM 120, Deduct	*-26.01*	
		For Work In Restricted Working Space, Add	*27.05*	
22 11 16 00-0070	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing 90 Degree Elbow	570.87	79.43
		For ASTM 120, Deduct	*-67.76*	
		For Work In Restricted Working Space, Add	*35.73*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	34.88	20.15
		For ASTM 120, Deduct	*-0.71*	
		For 300 Lb. Rating, Add	*17.79*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0073	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	40.53	22.53
		For ASTM 120, Deduct	*-1.01*	
		For 300 Lb. Rating, Add	*24.98*	
		For Work In Restricted Working Space, Add	*10.13*	
22 11 16 00-0074	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	45.34	25.12
		For ASTM 120, Deduct	*-1.14*	
		For 300 Lb. Rating, Add	*28.17*	
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0075	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	56.95	28.52
		For ASTM 120, Deduct	*-2.14*	
		For 300 Lb. Rating, Add	*51.01*	
		For Work In Restricted Working Space, Add	*12.81*	
22 11 16 00-0076	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	64.88	32.14
		For ASTM 120, Deduct	*-2.51*	
		For 300 Lb. Rating, Add	*59.77*	
		For Work In Restricted Working Space, Add	*14.45*	
22 11 16 00-0077	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	85.93	40.85
		For ASTM 120, Deduct	*-3.71*	
		For 300 Lb. Rating, Add	*87.85*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0078	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	176.68	60.44
		For ASTM 120, Deduct	*-12.92*	
		For 300 Lb. Rating, Add	*298.34*	
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0079	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	244.42	79.45
		For ASTM 120, Deduct	*-18.80*	
		For 300 Lb. Rating, Add	*433.17*	
		For Work In Restricted Working Space, Add	*35.74*	
22 11 16 00-0080	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	335.29	83.50
		For ASTM 120, Deduct	*-31.51*	
		For 300 Lb. Rating, Add	*721.72*	
		For Work In Restricted Working Space, Add	*37.57*	
22 11 16 00-0081	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	979.49	87.16
		For ASTM 120, Deduct	*-127.32*	
		For 300 Lb. Rating, Add	*2,893.83*	
		For Work In Restricted Working Space, Add	*39.20*	
22 11 16 00-0082	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,160.09	91.13
		For ASTM 120, Deduct	*-153.52*	
		For 300 Lb. Rating, Add	*3,488.03*	
		For Work In Restricted Working Space, Add	*40.98*	
22 11 16 00-0083	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron 45 Degree Elbow	1,375.75	95.22
		For ASTM 120, Deduct	*-184.95*	
		For 300 Lb. Rating, Add	*4,200.73*	
		For Work In Restricted Working Space, Add	*42.83*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	42.61	25.12
		For ASTM 120, Deduct	*-0.73*	
		For 300 Lb. Rating, Add	*18.89*	
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0086	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	51.60	29.08
		For ASTM 120, Deduct	*-1.21*	
		For 300 Lb. Rating, Add	*30.05*	
		For Work In Restricted Working Space, Add	*13.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0087	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Tee	64.48	34.29
		For ASTM 120, Deduct	*-1.96*	
		For 300 Lb. Rating, Add	*47.42*	
		For Work In Restricted Working Space, Add	*15.43*	
22 11 16 00-0088	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	81.87	40.85
		For ASTM 120, Deduct	*-3.11*	
		For 300 Lb. Rating, Add	*74.05*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0089	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	98.73	48.67
		For ASTM 120, Deduct	*-3.86*	
		For 300 Lb. Rating, Add	*91.83*	
		For Work In Restricted Working Space, Add	*21.90*	
22 11 16 00-0090	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	132.34	60.44
		For ASTM 120, Deduct	*-6.27*	
		For 300 Lb. Rating, Add	*147.59*	
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0091	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Tee	216.13	65.64
		For ASTM 120, Deduct	*-17.66*	
		For 300 Lb. Rating, Add	*406.15*	
		For Work In Restricted Working Space, Add	*29.52*	
22 11 16 00-0092	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Tee	257.17	79.45
		For ASTM 120, Deduct	*-20.71*	
		For 300 Lb. Rating, Add	*476.52*	
		For Work In Restricted Working Space, Add	*35.74*	
22 11 16 00-0093	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Tee	484.76	105.52
		For ASTM 120, Deduct	*-48.99*	
		For 300 Lb. Rating, Add	*1,119.86*	
		For Work In Restricted Working Space, Add	*47.45*	
22 11 16 00-0094	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,214.41	125.26
		For ASTM 120, Deduct	*-153.99*	
		For 300 Lb. Rating, Add	*3,501.61*	
		For Work In Restricted Working Space, Add	*56.35*	
22 11 16 00-0095	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,379.04	143.19
		For ASTM 120, Deduct	*-174.66*	
		For 300 Lb. Rating, Add	*3,971.74*	
		For Work In Restricted Working Space, Add	*64.40*	
22 11 16 00-0096	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Tee	1,641.09	170.02
		For ASTM 120, Deduct	*-207.52*	
		For 300 Lb. Rating, Add	*4,719.29*	
		For Work In Restricted Working Space, Add	*77.28*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	49.09	25.12
		For ASTM 120, Deduct	*-1.71*	
		For 300 Lb. Rating, Add	*40.92*	
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0099	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	54.74	29.08
		For ASTM 120, Deduct	*-1.68*	
		For 300 Lb. Rating, Add	*40.73*	
		For Work In Restricted Working Space, Add	*13.06*	
22 11 16 00-0100	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	67.19	34.29
		For ASTM 120, Deduct	*-2.36*	
		For 300 Lb. Rating, Add	*56.64*	
		For Work In Restricted Working Space, Add	*15.43*	
22 11 16 00-0101	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	85.60	40.85
		For ASTM 120, Deduct	*-3.66*	
		For 300 Lb. Rating, Add	*86.73*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0102	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	103.18	48.67
		For ASTM 120, Deduct	*-4.53*	
		For 300 Lb. Rating, Add	*106.96*	
		For Work In Restricted Working Space, Add	*21.90*	
22 11 16 00-0103	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	134.58	60.44
		For ASTM 120, Deduct	*-6.61*	
		For 300 Lb. Rating, Add	*155.20*	
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0104	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	254.31	65.86
		For ASTM 120, Deduct	*-23.34*	
		For 300 Lb. Rating, Add	*534.93*	
		For Work In Restricted Working Space, Add	*29.62*	
22 11 16 00-0105	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	322.80	80.69
		For ASTM 120, Deduct	*-30.27*	
		For 300 Lb. Rating, Add	*693.35*	
		For Work In Restricted Working Space, Add	*36.30*	
22 11 16 00-0106	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	743.14	105.52
		For ASTM 120, Deduct	*-87.74*	
		For 300 Lb. Rating, Add	*1,998.35*	
		For Work In Restricted Working Space, Add	*47.45*	
22 11 16 00-0107	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,544.47	125.26
		For ASTM 120, Deduct	*-203.49*	
		For 300 Lb. Rating, Add	*4,623.81*	
		For Work In Restricted Working Space, Add	*56.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0108	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	1,753.60	143.19
		For ASTM 120, Deduct	*-230.84*	
		For 300 Lb. Rating, Add	*5,245.24*	
		For Work In Restricted Working Space, Add	*64.40*	
22 11 16 00-0109	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Tee	2,102.42	164.42
		For ASTM 120, Deduct	*-278.33*	
		For 300 Lb. Rating, Add	*6,323.68*	
		For Work In Restricted Working Space, Add	*74.06*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	39.42	20.15
		For ASTM 120, Deduct	*-1.39*	
		For 300 Lb. Rating, Add	*33.23*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0112	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	44.43	22.53
		For ASTM 120, Deduct	*-1.60*	
		For 300 Lb. Rating, Add	*38.24*	
		For Work In Restricted Working Space, Add	*10.13*	
22 11 16 00-0113	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	55.17	25.12
		For ASTM 120, Deduct	*-2.62*	
		For 300 Lb. Rating, Add	*61.59*	
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0114	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	67.32	28.52
		For ASTM 120, Deduct	*-3.69*	
		For 300 Lb. Rating, Add	*86.27*	
		For Work In Restricted Working Space, Add	*12.81*	
22 11 16 00-0115	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	76.13	32.14
		For ASTM 120, Deduct	*-4.20*	
		For 300 Lb. Rating, Add	*98.02*	
		For Work In Restricted Working Space, Add	*14.45*	
22 11 16 00-0116	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	102.08	40.85
		For ASTM 120, Deduct	*-6.14*	
		For 300 Lb. Rating, Add	*142.76*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0117	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	215.76	60.44
		For ASTM 120, Deduct	*-18.78*	
		For 300 Lb. Rating, Add	*431.21*	
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0118	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	286.50	79.45
		For ASTM 120, Deduct	*-25.11*	
		For 300 Lb. Rating, Add	*576.24*	
		For Work In Restricted Working Space, Add	*35.74*	
22 11 16 00-0119	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	480.71	83.50
		For ASTM 120, Deduct	*-53.32*	
		For 300 Lb. Rating, Add	*1,216.15*	
		For Work In Restricted Working Space, Add	*37.57*	
22 11 16 00-0120	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,131.61	87.16
		For ASTM 120, Deduct	*-150.14*	
		For 300 Lb. Rating, Add	*3,411.04*	
		For Work In Restricted Working Space, Add	*39.20*	
22 11 16 00-0121	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,276.95	91.13
		For ASTM 120, Deduct	*-171.05*	
		For 300 Lb. Rating, Add	*3,885.35*	
		For Work In Restricted Working Space, Add	*40.98*	
22 11 16 00-0122	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Coupling	1,517.11	95.22
		For ASTM 120, Deduct	*-206.15*	
		For 300 Lb. Rating, Add	*4,681.36*	
		For Work In Restricted Working Space, Add	*42.83*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	41.39	20.15
		For ASTM 120, Deduct	*-1.68*	
		For 300 Lb. Rating, Add	*39.92*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0125	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	45.77	22.53
		For ASTM 120, Deduct	*-1.80*	
		For 300 Lb. Rating, Add	*42.79*	
		For Work In Restricted Working Space, Add	*10.13*	
22 11 16 00-0126	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	57.70	25.12
		For ASTM 120, Deduct	*-3.00*	
		For 300 Lb. Rating, Add	*70.20*	
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0127	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	68.53	28.52
		For ASTM 120, Deduct	*-3.87*	
		For 300 Lb. Rating, Add	*90.38*	
		For Work In Restricted Working Space, Add	*12.81*	
22 11 16 00-0128	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	81.47	32.14
		For ASTM 120, Deduct	*-5.00*	
		For 300 Lb. Rating, Add	*116.18*	
		For Work In Restricted Working Space, Add	*14.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0129	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	106.62	40.85
		For ASTM 120, Deduct	*-6.82*	
		For 300 Lb. Rating, Add	*158.20*	
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0130	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	217.35	60.44
		For ASTM 120, Deduct	*-19.02*	
		For 300 Lb. Rating, Add	*436.62*	
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0131	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	281.75	79.45
		For ASTM 120, Deduct	*-24.39*	
		For 300 Lb. Rating, Add	*560.09*	
		For Work In Restricted Working Space, Add	*35.74*	
22 11 16 00-0132	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	489.86	83.50
		For ASTM 120, Deduct	*-54.69*	
		For 300 Lb. Rating, Add	*1,247.26*	
		For Work In Restricted Working Space, Add	*37.57*	
22 11 16 00-0133	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,184.30	87.16
		For ASTM 120, Deduct	*-158.04*	
		For 300 Lb. Rating, Add	*3,590.18*	
		For Work In Restricted Working Space, Add	*39.20*	
22 11 16 00-0134	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,336.97	91.13
		For ASTM 120, Deduct	*-180.05*	
		For 300 Lb. Rating, Add	*4,089.42*	
		For Work In Restricted Working Space, Add	*40.98*	
22 11 16 00-0135	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Reducing Coupling	1,589.98	95.22
		For ASTM 120, Deduct	*-217.08*	
		For 300 Lb. Rating, Add	*4,929.11*	
		For Work In Restricted Working Space, Add	*42.83*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	16.24	9.39
		For ASTM 120, Deduct	*-0.31*	
		For 300 Lb. Rating, Add	*7.96*	
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-0138	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	17.98	10.07
		For ASTM 120, Deduct	*-0.43*	
		For 300 Lb. Rating, Add	*10.73*	
		For Work In Restricted Working Space, Add	*4.53*	
22 11 16 00-0139	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Cap	21.00	11.66
		For ASTM 120, Deduct	*-0.54*	
		For 300 Lb. Rating, Add	*13.25*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0140	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	22.98	12.22
		For ASTM 120, Deduct	*-0.71*	
		For 300 Lb. Rating, Add	*17.14*	
		For Work In Restricted Working Space, Add	*5.48*	
22 11 16 00-0141	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	22.68	12.22
		For ASTM 120, Deduct	*-0.66*	
		For 300 Lb. Rating, Add	*16.12*	
		For Work In Restricted Working Space, Add	*5.48*	
22 11 16 00-0142	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	33.80	16.18
		For ASTM 120, Deduct	*-1.42*	
		For 300 Lb. Rating, Add	*33.62*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0143	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Cap	51.41	20.15
		For ASTM 120, Deduct	*-3.18*	
		For 300 Lb. Rating, Add	*73.99*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0144	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Cap	66.73	24.33
		For ASTM 120, Deduct	*-4.53*	
		For 300 Lb. Rating, Add	*104.97*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0145	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Cap	99.45	28.65
		For ASTM 120, Deduct	*-8.48*	
		For 300 Lb. Rating, Add	*194.71*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0146	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Cap	241.28	35.85
		For ASTM 120, Deduct	*-28.14*	
		For 300 Lb. Rating, Add	*641.09*	
		For Work In Restricted Working Space, Add	*16.10*	
22 11 16 00-0147	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Cap	300.39	42.61
		For ASTM 120, Deduct	*-35.47*	
		For 300 Lb. Rating, Add	*807.73*	
		For Work In Restricted Working Space, Add	*19.19*	
22 11 16 00-0148	EA	8" Diameter, 150 Lb., Galvanized Malleable Iron Cap	377.80	47.61
		For ASTM 120, Deduct	*-45.96*	
		For 300 Lb. Rating, Add	*1,046.11*	
		For Work In Restricted Working Space, Add	*21.41*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	51.68	25.12
		For Work In Restricted Working Space, Add	*11.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0151	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	59.57	29.08
		For Work In Restricted Working Space, Add	*13.06*	
22 11 16 00-0152	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Union	72.45	34.29
		For Work In Restricted Working Space, Add	*15.43*	
22 11 16 00-0153	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Union	91.54	40.85
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0154	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	109.81	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 11 16 00-0155	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Union	132.84	60.44
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0156	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Union	280.61	89.06
		For Work In Restricted Working Space, Add	*40.09*	
22 11 16 00-0157	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Union	381.55	117.13
		For Work In Restricted Working Space, Add	*52.76*	
22 11 16 00-0158	EA	1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	66.11	25.12
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0159	EA	3/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	69.31	29.08
		For Work In Restricted Working Space, Add	*13.06*	
22 11 16 00-0160	EA	1" Diameter, 250 Lb., Galvanized Malleable Iron Union	83.41	34.29
		For Work In Restricted Working Space, Add	*15.43*	
22 11 16 00-0161	EA	1-1/4" Diameter, 250 Lb., Galvanized Malleable Iron Union	109.60	40.85
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0162	EA	1-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	128.77	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 11 16 00-0163	EA	2" Diameter, 250 Lb., Galvanized Malleable Iron Union	169.27	60.44
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0164	EA	2-1/2" Diameter, 250 Lb., Galvanized Malleable Iron Union	340.78	89.06
		For Work In Restricted Working Space, Add	*40.10*	
22 11 16 00-0165	EA	3" Diameter, 250 Lb., Galvanized Malleable Iron Union	493.65	117.13
		For Work In Restricted Working Space, Add	*52.76*	
22 11 16 00-0166	EA	4" Diameter, 250 Lb., Galvanized Malleable Iron Union	683.38	123.22
		For Work In Restricted Working Space, Add	*55.46*	
22 11 16 00-0167	EA	1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	70.07	25.12
		For Work In Restricted Working Space, Add	*11.32*	
22 11 16 00-0168	EA	3/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	78.60	29.08
		For Work In Restricted Working Space, Add	*13.06*	
22 11 16 00-0169	EA	1" Diameter, 300 Lb., Galvanized Malleable Iron Union	97.97	34.29
		For Work In Restricted Working Space, Add	*15.43*	
22 11 16 00-0170	EA	1-1/4" Diameter, 300 Lb., Galvanized Malleable Iron Union	126.06	40.85
		For Work In Restricted Working Space, Add	*18.35*	
22 11 16 00-0171	EA	1-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	151.14	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 11 16 00-0172	EA	2" Diameter, 300 Lb., Galvanized Malleable Iron Union	184.31	60.44
		For Work In Restricted Working Space, Add	*27.16*	
22 11 16 00-0173	EA	2-1/2" Diameter, 300 Lb., Galvanized Malleable Iron Union	395.24	89.06
		For Work In Restricted Working Space, Add	*40.10*	
22 11 16 00-0174	EA	3" Diameter, 300 Lb., Galvanized Malleable Iron Union	618.26	117.13
		For Work In Restricted Working Space, Add	*52.76*	
22 11 16 00-0175	EA	4" Diameter, 300 Lb., Galvanized Malleable Iron Union	1,294.44	123.22
		For Work In Restricted Working Space, Add	*55.46*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.30	10.75
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0178	EA	1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	18.70	10.75
		For Schedule 80 Nipples, Add	*2.88*	
		For ASTM 120, Deduct	*-0.38*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0179	EA	3/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	19.24	10.75
		For Schedule 80 Nipples, Add	*3.50*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0180	EA	1" Diameter x Close, Schedule 40 Galvanized Steel Nipple	21.62	11.66
		For Schedule 80 Nipples, Add	*4.80*	
		For ASTM 120, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0181	EA	1-1/4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	24.51	12.57
		For Schedule 80 Nipples, Add	*6.44*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0182	EA	1-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	25.49	12.57
		For Schedule 80 Nipples, Add	*7.56*	
		For ASTM 120, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0183	EA	2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	33.69	16.18
		For Schedule 80 Nipples, Add	*10.66*	
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*7.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0184	EA	2-1/2" Diameter x Close, Schedule 40 Galvanized Steel Nipple	58.01	20.15
		For Schedule 80 Nipples, Add	*31.73*	
		For ASTM 120, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0185	EA	3" Diameter x Close, Schedule 40 Galvanized Steel Nipple	69.85	24.33
		For Schedule 80 Nipples, Add	*38.02*	
		For ASTM 120, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0186	EA	4" Diameter x Close, Schedule 40 Galvanized Steel Nipple	92.92	28.65
		For Schedule 80 Nipples, Add	*56.98*	
		For ASTM 120, Deduct	*-7.50*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0187	EA	3/8" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.76	10.75
		For Schedule 80 Nipples, Add	*4.09*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0188	EA	1/2" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.83	10.75
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0189	EA	3/4" Diameter x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.51	10.75
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0190	EA	3/8"Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.76	10.75
		For Schedule 80 Nipples, Add	*4.09*	
		For ASTM 120, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0191	EA	1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	18.83	10.75
		For Schedule 80 Nipples, Add	*3.03*	
		For ASTM 120, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0192	EA	3/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	19.51	10.75
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0193	EA	1" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	22.38	11.66
		For Schedule 80 Nipples, Add	*5.67*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0194	EA	1-1/4" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	24.92	12.57
		For Schedule 80 Nipples, Add	*6.91*	
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0195	EA	1-1/2" Diameter x 2" Long, Schedule 40 Galvanized Steel Nipple	25.98	12.57
		For Schedule 80 Nipples, Add	*8.12*	
		For ASTM 120, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0196	EA	3/8" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.95	10.75
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0197	EA	1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.30	10.75
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0198	EA	3/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.87	10.75
		For Schedule 80 Nipples, Add	*4.22*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0199	EA	1" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	22.79	11.66
		For Schedule 80 Nipples, Add	*6.13*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0200	EA	1-1/4" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.52	12.57
		For Schedule 80 Nipples, Add	*7.59*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0201	EA	1-1/2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.80	12.57
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0202	EA	2" Diameter x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.86	16.18
		For Schedule 80 Nipples, Add	*11.99*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0203	EA	3/8" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	20.95	10.75
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0204	EA	1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	19.30	10.75
		For Schedule 80 Nipples, Add	*3.57*	
		For ASTM 120, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*4.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0205	EA	3/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	19.87	10.75
		For Schedule 80 Nipples, Add	*4.22*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0206	EA	1" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	22.79	11.66
		For Schedule 80 Nipples, Add	*6.13*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0207	EA	1-1/4" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	25.52	12.57
		For Schedule 80 Nipples, Add	*7.59*	
		For ASTM 120, Deduct	*-1.00*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0208	EA	1-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	26.80	12.57
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0209	EA	2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	34.86	16.18
		For Schedule 80 Nipples, Add	*11.99*	
		For ASTM 120, Deduct	*-1.58*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0210	EA	2-1/2" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	59.07	20.15
		For Schedule 80 Nipples, Add	*32.93*	
		For ASTM 120, Deduct	*-4.33*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0211	EA	3" Diameter x 3" Long, Schedule 40 Galvanized Steel Nipple	74.44	24.33
		For Schedule 80 Nipples, Add	*43.25*	
		For ASTM 120, Deduct	*-5.69*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0212	EA	3/8" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.85	10.75
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0213	EA	1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.03	10.75
		For Schedule 80 Nipples, Add	*4.40*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0214	EA	3/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.95	10.75
		For Schedule 80 Nipples, Add	*5.45*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0215	EA	1" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.88	11.66
		For Schedule 80 Nipples, Add	*7.38*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0216	EA	1-1/4" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.80	12.57
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0217	EA	1-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.89	12.57
		For Schedule 80 Nipples, Add	*11.43*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0218	EA	2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	37.11	16.18
		For Schedule 80 Nipples, Add	*14.56*	
		For ASTM 120, Deduct	*-1.92*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0219	EA	2-1/2" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	63.72	20.15
		For Schedule 80 Nipples, Add	*38.24*	
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0220	EA	3" Diameter x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	81.02	24.33
		For Schedule 80 Nipples, Add	*50.75*	
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0221	EA	3/8" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	21.85	10.75
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0222	EA	1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	20.03	10.75
		For Schedule 80 Nipples, Add	*4.40*	
		For ASTM 120, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0223	EA	3/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	21.85	10.75
		For Schedule 80 Nipples, Add	*6.48*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0224	EA	1" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	23.88	11.66
		For Schedule 80 Nipples, Add	*7.38*	
		For ASTM 120, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0225	EA	1-1/4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	26.80	12.57
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0226	EA	1-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	28.89	12.57
		For Schedule 80 Nipples, Add	*11.43*	
		For ASTM 120, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0227	EA	2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	37.22	16.18
		For Schedule 80 Nipples, Add	*14.68*	
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0228	EA	2-1/2" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	63.72	20.15
		For Schedule 80 Nipples, Add	*38.24*	
		For ASTM 120, Deduct	*-5.03*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0229	EA	3" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	81.02	24.33
		For Schedule 80 Nipples, Add	*50.75*	
		For ASTM 120, Deduct	*-6.68*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0230	EA	4" Diameter x 4" Long, Schedule 40 Galvanized Steel Nipple	102.70	28.65
		For Schedule 80 Nipples, Add	*68.13*	
		For ASTM 120, Deduct	*-8.96*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0231	EA	3/8" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.00	10.75
		For Schedule 80 Nipples, Add	*8.93*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0232	EA	1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.82	10.75
		For Schedule 80 Nipples, Add	*5.30*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0233	EA	3/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.88	10.75
		For Schedule 80 Nipples, Add	*6.51*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0234	EA	1" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.35	11.66
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0235	EA	1-1/4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.67	12.57
		For Schedule 80 Nipples, Add	*11.18*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0236	EA	1-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.98	12.57
		For Schedule 80 Nipples, Add	*13.82*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0237	EA	2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	40.65	16.18
		For Schedule 80 Nipples, Add	*18.59*	
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0238	EA	2-1/2" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	67.58	20.15
		For Schedule 80 Nipples, Add	*42.64*	
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0239	EA	3" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	88.38	24.33
		For Schedule 80 Nipples, Add	*59.14*	
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0240	EA	4" Diameter x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	109.96	28.65
		For Schedule 80 Nipples, Add	*76.40*	
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0241	EA	3/8" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	24.00	10.75
		For Schedule 80 Nipples, Add	*8.93*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0242	EA	1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	20.82	10.75
		For Schedule 80 Nipples, Add	*5.30*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0243	EA	3/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	21.88	10.75
		For Schedule 80 Nipples, Add	*6.51*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0244	EA	1" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	25.35	11.66
		For Schedule 80 Nipples, Add	*9.05*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0245	EA	1-1/4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	28.67	12.57
		For Schedule 80 Nipples, Add	*11.18*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0246	EA	1-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	30.98	12.57
		For Schedule 80 Nipples, Add	*13.82*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0247	EA	2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	40.65	16.18
		For Schedule 80 Nipples, Add	*18.59*	
		For ASTM 120, Deduct	*-2.45*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0248	EA	2-1/2" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	67.58	20.15
		For Schedule 80 Nipples, Add	*42.64*	
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0249	EA	3" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	88.38	24.33
		For Schedule 80 Nipples, Add	*59.14*	
		For ASTM 120, Deduct	*-7.78*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0250	EA	4" Diameter x 5" Long, Schedule 40 Galvanized Steel Nipple	109.96	28.65
		For Schedule 80 Nipples, Add	*76.40*	
		For ASTM 120, Deduct	*-10.05*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0251	EA	3/8" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	24.87	10.75
		For Schedule 80 Nipples, Add	*9.92*	
		For ASTM 120, Deduct	*-1.31*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0252	EA	1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	21.44	10.75
		For Schedule 80 Nipples, Add	*6.01*	
		For ASTM 120, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0253	EA	3/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	23.02	10.75
		For Schedule 80 Nipples, Add	*7.81*	
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0254	EA	1" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	26.41	11.66
		For Schedule 80 Nipples, Add	*10.26*	
		For ASTM 120, Deduct	*-1.35*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0255	EA	1-1/4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	30.25	12.57
		For Schedule 80 Nipples, Add	*12.98*	
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0256	EA	1-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	32.50	12.57
		For Schedule 80 Nipples, Add	*15.55*	
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0257	EA	2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	43.28	16.18
		For Schedule 80 Nipples, Add	*21.59*	
		For ASTM 120, Deduct	*-2.84*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0258	EA	2-1/2" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	71.27	20.15
		For Schedule 80 Nipples, Add	*46.84*	
		For ASTM 120, Deduct	*-6.16*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0259	EA	3" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	91.37	24.33
		For Schedule 80 Nipples, Add	*62.55*	
		For ASTM 120, Deduct	*-8.23*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0260	EA	4" Diameter x 6" Long, Schedule 40 Galvanized Steel Nipple	117.02	28.65
		For Schedule 80 Nipples, Add	*84.45*	
		For ASTM 120, Deduct	*-11.11*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0261	EA	3/8" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	50.93	10.75
		For Schedule 80 Nipples, Add	*39.63*	
		For ASTM 120, Deduct	*-5.21*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0262	EA	1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	25.46	10.75
		For Schedule 80 Nipples, Add	*10.59*	
		For ASTM 120, Deduct	*-1.39*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0263	EA	3/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	28.05	10.75
		For Schedule 80 Nipples, Add	*13.54*	
		For ASTM 120, Deduct	*-1.78*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0264	EA	1" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	32.47	11.66
		For Schedule 80 Nipples, Add	*17.17*	
		For ASTM 120, Deduct	*-2.26*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0265	EA	1-1/4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	37.31	12.57
		For Schedule 80 Nipples, Add	*21.03*	
		For ASTM 120, Deduct	*-2.77*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0266	EA	1-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	40.03	12.57
		For Schedule 80 Nipples, Add	*24.13*	
		For ASTM 120, Deduct	*-3.18*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0267	EA	2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	55.21	16.18
		For Schedule 80 Nipples, Add	*35.19*	
		For ASTM 120, Deduct	*-4.63*	
		For Work In Restricted Working Space, Add	*7.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0268	EA	2-1/2" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	83.07	20.15
		For Schedule 80 Nipples, Add	*60.29*	
		For ASTM 120, Deduct	*-7.93*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0269	EA	3" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	110.42	24.33
		For Schedule 80 Nipples, Add	*84.27*	
		For ASTM 120, Deduct	*-11.09*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0270	EA	4" Diameter x 8" Long, Schedule 40 Galvanized Steel Nipple	131.35	28.65
		For Schedule 80 Nipples, Add	*100.79*	
		For ASTM 120, Deduct	*-13.26*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0271	EA	3/8" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	32.75	10.75
		For Schedule 80 Nipples, Add	*18.90*	
		For ASTM 120, Deduct	*-2.49*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0272	EA	1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	27.20	10.75
		For Schedule 80 Nipples, Add	*12.57*	
		For ASTM 120, Deduct	*-1.65*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0273	EA	3/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	29.35	10.75
		For Schedule 80 Nipples, Add	*15.03*	
		For ASTM 120, Deduct	*-1.98*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0274	EA	1" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	34.61	11.66
		For Schedule 80 Nipples, Add	*19.61*	
		For ASTM 120, Deduct	*-2.58*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0275	EA	1-1/4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	40.93	12.57
		For Schedule 80 Nipples, Add	*25.16*	
		For ASTM 120, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0276	EA	1-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	43.54	12.57
		For Schedule 80 Nipples, Add	*28.14*	
		For ASTM 120, Deduct	*-3.70*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0277	EA	2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	60.46	16.18
		For Schedule 80 Nipples, Add	*41.18*	
		For ASTM 120, Deduct	*-5.42*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0278	EA	2-1/2" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	90.46	20.15
		For Schedule 80 Nipples, Add	*68.72*	
		For ASTM 120, Deduct	*-9.04*	
		For Work In Restricted Working Space, Add	*9.05*	
22 11 16 00-0279	EA	3" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	120.83	24.33
		For Schedule 80 Nipples, Add	*96.14*	
		For ASTM 120, Deduct	*-12.65*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0280	EA	4" Diameter x 10" Long, Schedule 40 Galvanized Steel Nipple	145.40	28.65
		For Schedule 80 Nipples, Add	*116.80*	
		For ASTM 120, Deduct	*-15.37*	
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0281	EA	3/8" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	34.54	10.75
		For Schedule 80 Nipples, Add	*20.94*	
		For ASTM 120, Deduct	*-2.76*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0282	EA	1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	28.73	10.75
		For Schedule 80 Nipples, Add	*14.32*	
		For ASTM 120, Deduct	*-1.88*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0283	EA	3/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	30.95	10.75
		For Schedule 80 Nipples, Add	*16.85*	
		For ASTM 120, Deduct	*-2.22*	
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0284	EA	1" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	37.44	11.66
		For Schedule 80 Nipples, Add	*22.83*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*5.22*	
22 11 16 00-0285	EA	1-1/4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	45.36	12.57
		For Schedule 80 Nipples, Add	*30.21*	
		For ASTM 120, Deduct	*-3.98*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0286	EA	1-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	47.10	12.57
		For Schedule 80 Nipples, Add	*32.19*	
		For ASTM 120, Deduct	*-4.24*	
		For Work In Restricted Working Space, Add	*5.66*	
22 11 16 00-0287	EA	2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	65.78	16.18
		For Schedule 80 Nipples, Add	*47.24*	
		For ASTM 120, Deduct	*-6.22*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0288	EA	2-1/2" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	97.63	20.15
		For Schedule 80 Nipples, Add	*76.89*	
		For ASTM 120, Deduct	*-10.12*	
		For Work In Restricted Working Space, Add	*9.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0289	EA	3" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	131.32	24.33
		For Schedule 80 Nipples, Add	*108.09*	
		For ASTM 120, Deduct	*-14.22*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0290	EA	4" Diameter x 12" Long, Schedule 40 Galvanized Steel Nipple	159.58	28.65
		For Schedule 80 Nipples, Add	*132.97*	
		For ASTM 120, Deduct	*-17.50*	
		For Work In Restricted Working Space, Add	*12.88*	

22 11 16 00-0291 Galvanized Steel Dielectric Nipples With Polyethylene Liner *(22 11 16 00-0013)*

See CSI section 22 11 16 00-0837 for dielectric unions.

22 11 16 00-0292	EA	1/2" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	18.68	10.75
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0293	EA	1/2" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.06	10.75
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0294	EA	3/4" Diameter Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	19.40	10.75
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0295	EA	3/4" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	20.66	10.75
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0296	EA	3/4" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	21.97	10.75
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0297	EA	3/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	22.75	10.75
		For Work In Restricted Working Space, Add	*4.85*	
22 11 16 00-0298	EA	1" Diameter Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	22.23	11.66
		For Work In Restricted Working Space, Add	*5.23*	
22 11 16 00-0299	EA	1" Diameter Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	22.64	11.66
		For Work In Restricted Working Space, Add	*5.23*	
22 11 16 00-0300	EA	1" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	28.95	11.66
		For Work In Restricted Working Space, Add	*5.23*	
22 11 16 00-0301	EA	1-1/4" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	31.35	12.57
		For Work In Restricted Working Space, Add	*5.67*	
22 11 16 00-0302	EA	1-1/2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	34.83	12.57
		For Work In Restricted Working Space, Add	*5.67*	
22 11 16 00-0303	EA	2" Diameter Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	46.49	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0304	EA	2-1/2" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	55.42	20.15
		For Work In Restricted Working Space, Add	*9.07*	
22 11 16 00-0305	EA	3" Diameter Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple	87.32	24.33
		For Work In Restricted Working Space, Add	*10.97*	

22 11 16 00-0306 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0307	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	19.27	8.04
		For 300 Lb. Rating, Add	*25.20*	
		For Work In Restricted Working Space, Add	*3.62*	
22 11 16 00-0308	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	20.71	9.05
		For 300 Lb. Rating, Add	*25.29*	
		For Work In Restricted Working Space, Add	*4.05*	
22 11 16 00-0309	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	22.98	10.07
		For 300 Lb. Rating, Add	*27.76*	
		For Work In Restricted Working Space, Add	*4.52*	
22 11 16 00-0310	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	29.22	11.43
		For 300 Lb. Rating, Add	*42.30*	
		For Work In Restricted Working Space, Add	*5.12*	
22 11 16 00-0311	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	35.62	12.79
		For 300 Lb. Rating, Add	*56.78*	
		For Work In Restricted Working Space, Add	*5.78*	
22 11 16 00-0312	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	45.27	16.29
		For 300 Lb. Rating, Add	*72.19*	
		For Work In Restricted Working Space, Add	*7.34*	
22 11 16 00-0313	EA	2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	76.78	24.11
		For 300 Lb. Rating, Add	*140.11*	
		For Work In Restricted Working Space, Add	*10.86*	
22 11 16 00-0314	EA	3" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	105.22	31.80
		For 300 Lb. Rating, Add	*198.56*	
		For Work In Restricted Working Space, Add	*14.30*	
22 11 16 00-0315	EA	4" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	169.58	33.38
		For 300 Lb. Rating, Add	*409.27*	
		For Work In Restricted Working Space, Add	*15.03*	
22 11 16 00-0316	EA	5" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	271.50	34.88
		For 300 Lb. Rating, Add	*748.52*	
		For Work In Restricted Working Space, Add	*15.68*	
22 11 16 00-0317	EA	6" Diameter, 150 Lb., Galvanized Malleable Iron Square Head Plug	291.66	36.38
		For 300 Lb. Rating, Add	*809.11*	
		For Work In Restricted Working Space, Add	*16.40*	

22 11 16 00-0318 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0319	EA	3/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	41.12	21.28
		For Work In Restricted Working Space, Add	*9.59*	
22 11 16 00-0320	EA	1" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	44.89	22.64
		For Work In Restricted Working Space, Add	*10.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0321	EA	1" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	46.11	23.87
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-0322	EA	1-1/4" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	51.75	24.33
		For Work In Restricted Working Space, Add	*10.93*	
22 11 16 00-0323	EA	1-1/4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	52.16	25.47
		For Work In Restricted Working Space, Add	*11.47*	
22 11 16 00-0324	EA	1-1/4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	54.13	26.82
		For Work In Restricted Working Space, Add	*12.06*	
22 11 16 00-0325	EA	1-1/2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	59.40	26.14
		For Work In Restricted Working Space, Add	*11.75*	
22 11 16 00-0326	EA	1-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	61.19	27.28
		For Work In Restricted Working Space, Add	*12.29*	
22 11 16 00-0327	EA	1-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	61.18	28.63
		For Work In Restricted Working Space, Add	*12.88*	
22 11 16 00-0328	EA	1-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	62.25	30.33
		For Work In Restricted Working Space, Add	*13.63*	
22 11 16 00-0329	EA	2" x 1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	70.95	30.44
		For Work In Restricted Working Space, Add	*13.70*	
22 11 16 00-0330	EA	2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	70.99	31.69
		For Work In Restricted Working Space, Add	*14.24*	
22 11 16 00-0331	EA	2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	71.67	32.93
		For Work In Restricted Working Space, Add	*14.83*	
22 11 16 00-0332	EA	2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	74.16	34.63
		For Work In Restricted Working Space, Add	*15.58*	
22 11 16 00-0333	EA	2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	74.16	36.44
		For Work In Restricted Working Space, Add	*16.40*	
22 11 16 00-0334	EA	2-1/2" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	98.72	41.42
		For Work In Restricted Working Space, Add	*18.65*	
22 11 16 00-0335	EA	2-1/2" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	100.69	42.78
		For Work In Restricted Working Space, Add	*19.24*	
22 11 16 00-0336	EA	2-1/2" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	103.18	44.37
		For Work In Restricted Working Space, Add	*19.99*	
22 11 16 00-0337	EA	2-1/2" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	105.24	46.29
		For Work In Restricted Working Space, Add	*20.81*	
22 11 16 00-0338	EA	2-1/2" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	107.65	50.59
		For Work In Restricted Working Space, Add	*22.76*	
22 11 16 00-0339	EA	3" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	124.72	50.92
		For Work In Restricted Working Space, Add	*22.94*	
22 11 16 00-0340	EA	3" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	126.68	52.28
		For Work In Restricted Working Space, Add	*23.53*	
22 11 16 00-0341	EA	3" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	129.18	53.98
		For Work In Restricted Working Space, Add	*24.28*	
22 11 16 00-0342	EA	3" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	130.97	55.79
		For Work In Restricted Working Space, Add	*25.10*	
22 11 16 00-0343	EA	3" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	133.05	60.09
		For Work In Restricted Working Space, Add	*27.05*	
22 11 16 00-0344	EA	3" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	150.21	69.94
		For Work In Restricted Working Space, Add	*31.45*	
22 11 16 00-0345	EA	4" x 3/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	179.80	52.38
		For Work In Restricted Working Space, Add	*23.59*	
22 11 16 00-0346	EA	4" x 1" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	181.66	53.67
		For Work In Restricted Working Space, Add	*24.15*	
22 11 16 00-0347	EA	4" x 1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	184.03	55.28
		For Work In Restricted Working Space, Add	*24.86*	
22 11 16 00-0348	EA	4" x 1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	186.61	57.00
		For Work In Restricted Working Space, Add	*25.64*	
22 11 16 00-0349	EA	4" x 2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	180.87	61.08
		For Work In Restricted Working Space, Add	*27.49*	
22 11 16 00-0350	EA	4" x 2-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	206.71	70.41
		For Work In Restricted Working Space, Add	*31.67*	
22 11 16 00-0351	EA	4" x 3" Diameter, 150 Lb., Galvanized Malleable Iron Bushing	213.58	79.43
		For Work In Restricted Working Space, Add	*35.73*	

22 11 16 00-0352 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0353	EA	1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	70.25	41.36
22 11 16 00-0354	EA	3/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	76.78	45.27
22 11 16 00-0355	EA	1" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	88.26	51.15
22 11 16 00-0356	EA	1-1/4" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	91.75	52.97
22 11 16 00-0357	EA	1-1/2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	99.86	57.61
22 11 16 00-0358	EA	2" Diameter, 150 Lb., Galvanized Malleable Iron Floor Flange	107.71	60.09

22 11 16 00-0359 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0360	EA	3/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	137.17	45.27
		For Work In Restricted Working Space, Add	*20.37*	
22 11 16 00-0361	EA	1" Diameter, 125 Lb., Galvanized Cast Iron Flange	130.35	51.15
		For Work In Restricted Working Space, Add	*23.01*	
22 11 16 00-0362	EA	1-1/4" Diameter, 125 Lb., Galvanized Cast Iron Flange	107.76	52.97
		For Work In Restricted Working Space, Add	*23.82*	
22 11 16 00-0363	EA	1-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	128.25	57.61
		For Work In Restricted Working Space, Add	*25.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0364	EA	2" Diameter, 125 Lb., Galvanized Cast Iron Flange	145.56	60.09
		For Work In Restricted Working Space, Add	*27.05*	
22 11 16 00-0365	EA	2-1/2" Diameter, 125 Lb., Galvanized Cast Iron Flange	169.09	69.60
		For Work In Restricted Working Space, Add	*31.28*	
22 11 16 00-0366	EA	3" Diameter, 125 Lb., Galvanized Cast Iron Flange	307.35	88.27
		For Work In Restricted Working Space, Add	*39.70*	
22 11 16 00-0367	EA	4" Diameter, 125 Lb., Galvanized Cast Iron Flange	410.07	114.53
		For Work In Restricted Working Space, Add	*51.51*	
22 11 16 00-0368	EA	5" Diameter, 125 Lb., Galvanized Cast Iron Flange	578.62	136.32
		For Work In Restricted Working Space, Add	*61.32*	
22 11 16 00-0369	EA	6" Diameter, 125 Lb., Galvanized Cast Iron Flange	634.79	156.61
		For Work In Restricted Working Space, Add	*70.44*	
22 11 16 00-0370	EA	8" Diameter, 125 Lb., Galvanized Cast Iron Flange	581.07	178.98
		For Work In Restricted Working Space, Add	*80.50*	

22 11 16 00-0371 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

22 11 16 00-0372	EA	1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	36.87	
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0373	EA	3/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	40.56	
		For Work In Restricted Working Space, Add	*12.17*	
22 11 16 00-0374	EA	1" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	44.25	
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0375	EA	1-1/4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	47.93	
		For Work In Restricted Working Space, Add	*14.38*	
22 11 16 00-0376	EA	1-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	50.38	
		For Work In Restricted Working Space, Add	*15.11*	
22 11 16 00-0377	EA	2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	52.85	
		For Work In Restricted Working Space, Add	*15.86*	
22 11 16 00-0378	EA	2-1/2" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	55.31	
		For Work In Restricted Working Space, Add	*16.59*	
22 11 16 00-0379	EA	3" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	57.76	
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0380	EA	4" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	60.22	
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0381	EA	6" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	65.13	
		For Work In Restricted Working Space, Add	*19.54*	
22 11 16 00-0382	EA	8" Diameter, Cut And Thread Existing In Place Galvanized Steel Pipe	70.05	
		For Work In Restricted Working Space, Add	*21.02*	

22 11 16 00-0383 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0914 for pipe with fittings assembly.

22 11 16 00-0384 Copper Tube/Pipe *(22 11 16 00-0383)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0385 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0386	LF	1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	5.81	2.77
		For Up To 20, Add	*0.62*	
		For >200, Deduct	*-0.17*	
		For Work In Restricted Working Space, Add	*1.25*	
		For Medical/Oxygen Service Tubing, Add	*0.13*	
22 11 16 00-0387	LF	3/8" Diameter, Hard Drawn Type L Copper Tube/Pipe	6.75	2.88
		For Up To 20, Add	*0.74*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.30*	
		For Medical/Oxygen Service Tubing, Add	*0.19*	
22 11 16 00-0388	LF	1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	7.39	3.00
		For Up To 20, Add	*0.81*	
		For >200, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*1.35*	
		For Medical/Oxygen Service Tubing, Add	*0.23*	
22 11 16 00-0389	LF	3/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	9.47	3.18
		For Up To 20, Add	*1.06*	
		For >200, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.43*	
		For Medical/Oxygen Service Tubing, Add	*0.38*	
22 11 16 00-0390	LF	1" Diameter, Hard Drawn Type L Copper Tube/Pipe	12.16	3.57
		For Up To 20, Add	*1.39*	
		For >200, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*1.61*	
		For Medical/Oxygen Service Tubing, Add	*0.54*	
22 11 16 00-0391	LF	1-1/4" Diameter, Hard Drawn Type L Copper Tube/Pipe	17.34	5.32
		For Up To 20, Add	*1.97*	
		For >200, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*2.39*	
		For Medical/Oxygen Service Tubing, Add	*0.75*	
22 11 16 00-0392	LF	1-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	20.96	5.94
		For Up To 20, Add	*2.40*	
		For >200, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*2.67*	
		For Medical/Oxygen Service Tubing, Add	*0.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0393	LF	2" Diameter, Hard Drawn Type L Copper Tube/Pipe	30.05	7.33
		For Up To 20, Add	*3.48*	
		For >200, Deduct	*-1.91*	
		For Work In Restricted Working Space, Add	*3.29*	
		For Medical/Oxygen Service Tubing, Add	*1.53*	
22 11 16 00-0394	LF	2-1/2" Diameter, Hard Drawn Type L Copper Tube/Pipe	53.42	8.61
		For Up To 20, Add	*6.03*	
		For >200, Deduct	*-2.76*	
		For Work In Restricted Working Space, Add	*7.76*	
		For Medical/Oxygen Service Tubing, Add	*2.20*	
22 11 16 00-0395	LF	3" Diameter, Hard Drawn Type L Copper Tube/Pipe	67.18	10.15
		For Up To 20, Add	*7.64*	
		For >200, Deduct	*-3.68*	
		For Work In Restricted Working Space, Add	*9.13*	
		For Medical/Oxygen Service Tubing, Add	*2.94*	
22 11 16 00-0396	LF	4" Diameter, Hard Drawn Type L Copper Tube/Pipe	99.85	11.45
		For Up To 20, Add	*11.62*	
		For >200, Deduct	*-6.55*	
		For Work In Restricted Working Space, Add	*10.30*	
		For Medical/Oxygen Service Tubing, Add	*5.24*	
22 11 16 00-0397	LF	5" Diameter, Hard Drawn Type L Copper Tube/Pipe	155.14	13.15
		For Up To 20, Add	*18.41*	
		For >200, Deduct	*-11.57*	
		For Work In Restricted Working Space, Add	*11.83*	
		For Medical/Oxygen Service Tubing, Add	*9.26*	
22 11 16 00-0398	LF	6" Diameter, Hard Drawn Type L Copper Tube/Pipe	213.33	20.38
		For Up To 20, Add	*25.14*	
		For >200, Deduct	*-15.22*	
		For Work In Restricted Working Space, Add	*18.33*	
		For Medical/Oxygen Service Tubing, Add	*12.18*	
22 11 16 00-0399	LF	8" Diameter, Hard Drawn Type L Copper Tube/Pipe	354.83	22.66
		For Up To 20, Add	*42.66*	
		For >200, Deduct	*-28.69*	
		For Work In Restricted Working Space, Add	*20.38*	
		For Medical/Oxygen Service Tubing, Add	*22.95*	

22 11 16 00-0400 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0384)*

22 11 16 00-0401	LF	1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	6.33	2.98
		For Up To 20, Add	*0.68*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.34*	
		For Medical/Oxygen Service Tubing, Add	*0.15*	
22 11 16 00-0402	LF	3/8" Diameter, Hard Drawn Type K Copper Tube/Pipe	8.44	3.10
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Medical/Oxygen Service Tubing, Add	*0.27*	
22 11 16 00-0403	LF	1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	8.90	3.22
		For Up To 20, Add	*0.99*	
		For >200, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.49*	
		For Medical/Oxygen Service Tubing, Add	*0.31*	
22 11 16 00-0404	LF	3/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	12.84	3.41
		For Up To 20, Add	*1.46*	
		For >200, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*1.73*	
		For Medical/Oxygen Service Tubing, Add	*0.57*	
22 11 16 00-0405	LF	1" Diameter, Hard Drawn Type K Copper Tube/Pipe	15.54	3.84
		For Up To 20, Add	*1.79*	
		For >200, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*1.84*	
		For Medical/Oxygen Service Tubing, Add	*0.75*	
22 11 16 00-0406	LF	1-1/4" Diameter, Hard Drawn Type K Copper Tube/Pipe	20.41	5.72
		For Up To 20, Add	*2.33*	
		For >200, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*2.60*	
		For Medical/Oxygen Service Tubing, Add	*0.94*	
22 11 16 00-0407	LF	1-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	24.78	6.38
		For Up To 20, Add	*2.85*	
		For >200, Deduct	*-1.50*	
		For Work In Restricted Working Space, Add	*2.93*	
		For Medical/Oxygen Service Tubing, Add	*1.20*	
22 11 16 00-0408	LF	2" Diameter, Hard Drawn Type K Copper Tube/Pipe	35.05	7.88
		For Up To 20, Add	*4.08*	
		For >200, Deduct	*-2.31*	
		For Work In Restricted Working Space, Add	*3.59*	
		For Medical/Oxygen Service Tubing, Add	*1.85*	
22 11 16 00-0409	LF	2-1/2" Diameter, Hard Drawn Type K Copper Tube/Pipe	60.40	9.25
		For Up To 20, Add	*6.90*	
		For >200, Deduct	*-3.44*	
		For Work In Restricted Working Space, Add	*7.79*	
		For Medical/Oxygen Service Tubing, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0410	LF	3" Diameter, Hard Drawn Type K Copper Tube/Pipe	80.52	10.91
		For Up To 20, Add	*9.23*	
		For >200, Deduct	*-4.70*	
		For Work In Restricted Working Space, Add	*10.04*	
		For Medical/Oxygen Service Tubing, Add	*3.76*	
22 11 16 00-0411	LF	4" Diameter, Hard Drawn Type K Copper Tube/Pipe	121.79	12.31
		For Up To 20, Add	*14.28*	
		For >200, Deduct	*-8.39*	
		For Work In Restricted Working Space, Add	*11.38*	
		For Medical/Oxygen Service Tubing, Add	*6.71*	
22 11 16 00-0412	LF	5" Diameter, Hard Drawn Type K Copper Tube/Pipe	198.43	14.14
		For Up To 20, Add	*23.68*	
		For >200, Deduct	*-15.37*	
		For Work In Restricted Working Space, Add	*13.43*	
		For Medical/Oxygen Service Tubing, Add	*12.29*	
22 11 16 00-0413	LF	6" Diameter, Hard Drawn Type K Copper Tube/Pipe	292.66	21.91
		For Up To 20, Add	*34.78*	
		For >200, Deduct	*-22.05*	
		For Work In Restricted Working Space, Add	*21.66*	
		For Medical/Oxygen Service Tubing, Add	*17.64*	
22 11 16 00-0414	LF	8" Diameter, Hard Drawn Type K Copper Tube/Pipe	492.37	24.36
		For Up To 20, Add	*59.56*	
		For >200, Deduct	*-41.28*	
		For Work In Restricted Working Space, Add	*23.87*	
		For Medical/Oxygen Service Tubing, Add	*33.03*	
22 11 16 00-0415		Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0384)*		
22 11 16 00-0416	LF	3/8" Diameter, Hard Drawn Type M Copper Tube/Pipe	5.63	2.60
		For Up To 20, Add	*0.61*	
		For >200, Deduct	*-0.19*	
		For Work In Restricted Working Space, Add	*1.12*	
22 11 16 00-0417	LF	1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	5.99	2.71
		For Up To 20, Add	*0.65*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.16*	
22 11 16 00-0418	LF	3/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	7.55	2.87
		For Up To 20, Add	*0.84*	
		For >200, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*1.23*	
22 11 16 00-0419	LF	1" Diameter, Hard Drawn Type M Copper Tube/Pipe	9.90	3.22
		For Up To 20, Add	*1.12*	
		For >200, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*1.38*	
22 11 16 00-0420	LF	1-1/4" Diameter, Hard Drawn Type M Copper Tube/Pipe	14.80	4.79
		For Up To 20, Add	*1.67*	
		For >200, Deduct	*-0.77*	
		For Work In Restricted Working Space, Add	*2.12*	
22 11 16 00-0421	LF	1-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	18.77	5.34
		For Up To 20, Add	*2.14*	
		For >200, Deduct	*-1.07*	
		For Work In Restricted Working Space, Add	*2.43*	
22 11 16 00-0422	LF	2" Diameter, Hard Drawn Type M Copper Tube/Pipe	26.84	6.58
		For Up To 20, Add	*3.10*	
		For >200, Deduct	*-1.68*	
		For Work In Restricted Working Space, Add	*3.02*	
22 11 16 00-0423	LF	2-1/2" Diameter, Hard Drawn Type M Copper Tube/Pipe	48.80	7.75
		For Up To 20, Add	*5.49*	
		For >200, Deduct	*-2.44*	
		For Work In Restricted Working Space, Add	*7.34*	
22 11 16 00-0424	LF	3" Diameter, Hard Drawn Type M Copper Tube/Pipe	59.84	9.13
		For Up To 20, Add	*6.79*	
		For >200, Deduct	*-3.24*	
		For Work In Restricted Working Space, Add	*8.24*	
22 11 16 00-0425	LF	4" Diameter, Hard Drawn Type M Copper Tube/Pipe	92.68	10.31
		For Up To 20, Add	*10.78*	
		For >200, Deduct	*-6.06*	
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0426	LF	5" Diameter, Hard Drawn Type M Copper Tube/Pipe	154.72	11.84
		For Up To 20, Add	*18.42*	
		For >200, Deduct	*-11.77*	
		For Work In Restricted Working Space, Add	*11.10*	
22 11 16 00-0427	LF	6" Diameter, Hard Drawn Type M Copper Tube/Pipe	214.56	18.35
		For Up To 20, Add	*25.39*	
		For >200, Deduct	*-15.73*	
		For Work In Restricted Working Space, Add	*17.18*	
22 11 16 00-0428	LF	8" Diameter, Hard Drawn Type M Copper Tube/Pipe	361.06	20.39
		For Up To 20, Add	*43.56*	
		For >200, Deduct	*-29.81*	
		For Work In Restricted Working Space, Add	*18.90*	
22 11 16 00-0429		Soft Drawn Type L Copper Tube *(22 11 16 00-0384)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0430	LF	1/4" Diameter, Soft Drawn Type L Copper Tube	6.28	2.77
		For Up To 20, Add	*0.68*	
		For >200, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.24*	
22 11 16 00-0431	LF	3/8" Diameter, Soft Drawn Type L Copper Tube	7.64	2.88
		For Up To 20, Add	*0.85*	
		For >200, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0432	LF	1/2" Diameter, Soft Drawn Type L Copper Tube	8.96	3.00
		For Up To 20, Add	*1.01*	
		For >200, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*1.35*	
22 11 16 00-0433	LF	5/8" Diameter, Soft Drawn Type L Copper Tube	10.36	3.10
		For Up To 20, Add	*1.18*	
		For >200, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*1.39*	
22 11 16 00-0434	LF	3/4" Diameter, Soft Drawn Type L Copper Tube	11.60	3.18
		For Up To 20, Add	*1.33*	
		For >200, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0435	LF	1" Diameter, Soft Drawn Type L Copper Tube	14.82	3.57
		For Up To 20, Add	*1.72*	
		For >200, Deduct	*-0.95*	
		For Work In Restricted Working Space, Add	*1.61*	
22 11 16 00-0436	LF	1-1/4" Diameter, Soft Drawn Type L Copper Tube	20.42	5.32
		For Up To 20, Add	*2.35*	
		For >200, Deduct	*-1.25*	
		For Work In Restricted Working Space, Add	*2.39*	
22 11 16 00-0437	LF	1-1/2" Diameter, Soft Drawn Type L Copper Tube	25.77	5.94
		For Up To 20, Add	*3.00*	
		For >200, Deduct	*-1.69*	
		For Work In Restricted Working Space, Add	*2.67*	
22 11 16 00-0438	LF	2" Diameter, Soft Drawn Type L Copper Tube	37.79	7.33
		For Up To 20, Add	*4.45*	
		For >200, Deduct	*-2.68*	
		For Work In Restricted Working Space, Add	*3.29*	

22 11 16 00-0439 Soft Drawn Type K Copper Tube *(22 11 16 00-0384)*

22 11 16 00-0440	LF	1/4" Diameter, Soft Drawn Type K Copper Tube	6.49	2.77
		For Up To 20, Add	*0.71*	
		For >200, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*1.24*	
22 11 16 00-0441	LF	3/8" Diameter, Soft Drawn Type K Copper Tube	8.34	2.88
		For Up To 20, Add	*0.93*	
		For >200, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.30*	
22 11 16 00-0442	LF	1/2" Diameter, Soft Drawn Type K Copper Tube	9.53	3.00
		For Up To 20, Add	*1.08*	
		For >200, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*1.35*	
22 11 16 00-0443	LF	5/8" Diameter, Soft Drawn Type K Copper Tube	10.64	3.10
		For Up To 20, Add	*1.21*	
		For >200, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.39*	
22 11 16 00-0444	LF	3/4" Diameter, Soft Drawn Type K Copper Tube	14.08	3.18
		For Up To 20, Add	*1.64*	
		For >200, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0445	LF	1" Diameter, Soft Drawn Type K Copper Tube	17.72	3.57
		For Up To 20, Add	*2.08*	
		For >200, Deduct	*-1.24*	
		For Work In Restricted Working Space, Add	*1.61*	
22 11 16 00-0446	LF	1-1/4" Diameter, Soft Drawn Type K Copper Tube	22.54	5.32
		For Up To 20, Add	*2.62*	
		For >200, Deduct	*-1.46*	
		For Work In Restricted Working Space, Add	*2.39*	
22 11 16 00-0447	LF	1-1/2" Diameter, Soft Drawn Type K Copper Tube	29.15	5.94
		For Up To 20, Add	*3.42*	
		For >200, Deduct	*-2.03*	
		For Work In Restricted Working Space, Add	*2.67*	
22 11 16 00-0448	LF	2" Diameter, Soft Drawn Type K Copper Tube	42.45	7.33
		For Up To 20, Add	*5.03*	
		For >200, Deduct	*-3.15*	
		For Work In Restricted Working Space, Add	*3.29*	
22 11 16 00-0449	LF	2-1/2" Diameter, Soft Drawn Type K Copper Tube	60.38	8.79
		For Up To 20, Add	*7.22*	
		For >200, Deduct	*-4.72*	
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-0450	LF	3" Diameter, Soft Drawn Type K Copper Tube	81.22	10.37
		For Up To 20, Add	*9.76*	
		For >200, Deduct	*-6.57*	
		For Work In Restricted Working Space, Add	*4.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0451		**Copper And Brass Fittings** *(22 11 16 00-0383)* Note: All fittings are based on 95/5 solder.		
22 11 16 00-0452		**90 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0453	EA	1/4" Diameter, 90 Degree Copper Elbow	27.72	16.40
		For Work In Restricted Working Space, Add	*7.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.62*	
		For Street Fitting, Add	*1.26*	
22 11 16 00-0454	EA	3/8" Diameter, 90 Degree Copper Elbow	32.82	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.12*	
		For Street Fitting, Add	*1.33*	
22 11 16 00-0455	EA	1/2" Diameter, 90 Degree Copper Elbow	41.64	27.03
		For Work In Restricted Working Space, Add	*12.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.11*	
		For Street Fitting, Add	*0.43*	
22 11 16 00-0456	EA	3/4" Diameter, 90 Degree Copper Elbow	52.80	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.16*	
		For Street Fitting, Add	*0.97*	
22 11 16 00-0457	EA	1" Diameter, 90 Degree Copper Elbow	66.14	40.19
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.32*	
		For Street Fitting, Add	*2.37*	
22 11 16 00-0458	EA	1-1/4" Diameter, 90 Degree Copper Elbow	73.99	43.51
		For Work In Restricted Working Space, Add	*19.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.77*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.96*	
		For Street Fitting, Add	*3.54*	
22 11 16 00-0459	EA	1-1/2" Diameter, 90 Degree Copper Elbow	85.12	47.57
		For Work In Restricted Working Space, Add	*21.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.82*	
		For Street Fitting, Add	*5.54*	
22 11 16 00-0460	EA	2" Diameter, 90 Degree Copper Elbow	105.11	53.34
		For Work In Restricted Working Space, Add	*23.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.98*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.25*	
		For Street Fitting, Add	*10.09*	
22 11 16 00-0461	EA	2-1/2" Diameter, 90 Degree Copper Elbow	130.38	54.32
		For Work In Restricted Working Space, Add	*24.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.59*	
22 11 16 00-0462	EA	3" Diameter, 90 Degree Copper Elbow	166.28	64.96
		For Work In Restricted Working Space, Add	*29.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.18*	
22 11 16 00-0463	EA	4" Diameter, 90 Degree Copper Elbow	305.37	92.12
		For Work In Restricted Working Space, Add	*41.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.71*	
		For Silver Solder Instead Of 95/5 Solder, Add	*29.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.17*	
22 11 16 00-0464	EA	5" Diameter, 90 Degree Copper Elbow	889.92	126.07
		For Work In Restricted Working Space, Add	*56.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*63.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-53.95*	
22 11 16 00-0465	EA	6" Diameter, 90 Degree Copper Elbow	1,209.39	183.45
		For Work In Restricted Working Space, Add	*82.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*41.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*87.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-74.22*	
22 11 16 00-0466	EA	8" Diameter, 90 Degree Copper Elbow	3,823.43	244.56
		For Work In Restricted Working Space, Add	*110.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*55.00*	
		For Silver Solder Instead Of 95/5 Solder, Add	*227.84*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-209.51*	
22 11 16 00-0467		**90 Degree Brass Elbows** *(22 11 16 00-0451)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0468	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow	47.31	27.03
		For Work In Restricted Working Space, Add	*12.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.39*	
22 11 16 00-0469	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow	70.08	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.02*	
22 11 16 00-0470	EA	1/2" Diameter, Flanged Sink 90 Degree Brass Elbow	52.87	27.03
		For Work In Restricted Working Space, Add	*12.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.67*	
22 11 16 00-0471	EA	3/8" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	39.60	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.46*	
22 11 16 00-0472	EA	1/2" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	47.79	27.03
		For Work In Restricted Working Space, Add	*12.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.42*	
22 11 16 00-0473	EA	3/4" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	63.11	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.67*	
22 11 16 00-0474	EA	1" Diameter, Drop Ear 90 Degree Brass Elbow, Solder X Threaded	100.87	40.19
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.05*	
22 11 16 00-0475		**Reducing 90 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0476	EA	1/2" Diameter, Reducing 90 Degree Copper Elbow	49.29	27.03
		For Work In Restricted Working Space, Add	*12.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.49*	
22 11 16 00-0477	EA	3/4" Diameter, Reducing 90 Degree Copper Elbow	56.57	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.35*	
22 11 16 00-0478	EA	1" Diameter, Reducing 90 Degree Copper Elbow	71.58	40.19
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.59*	
22 11 16 00-0479	EA	1-1/4" Diameter, Reducing 90 Degree Copper Elbow	94.07	43.51
		For Work In Restricted Working Space, Add	*19.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.77*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.22*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.96*	
22 11 16 00-0480	EA	1-1/2" Diameter, Reducing 90 Degree Copper Elbow	109.30	47.57
		For Work In Restricted Working Space, Add	*21.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.59*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.03*	
22 11 16 00-0481	EA	2" Diameter, Reducing 90 Degree Copper Elbow	131.05	53.34
		For Work In Restricted Working Space, Add	*23.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.98*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.55*	
22 11 16 00-0482		**45 Degree Copper Elbows** *(22 11 16 00-0451)*		
22 11 16 00-0483	EA	1/4" Diameter, 45 Degree Copper Elbow	30.44	16.40
		For Street Fitting, Add	*2.34*	
		For Work In Restricted Working Space, Add	*7.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.75*	
22 11 16 00-0484	EA	3/8" Diameter, 45 Degree Copper Elbow	34.52	19.67
		For Street Fitting, Add	*2.01*	
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0485	EA	1/2" Diameter, 45 Degree Copper Elbow	42.53	27.03
		For Street Fitting, Add	*0.79*	
		For Work In Restricted Working Space, Add	*12.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.08*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.15*	
22 11 16 00-0486	EA	3/4" Diameter, 45 Degree Copper Elbow	53.76	33.68
		For Street Fitting, Add	*1.35*	
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.21*	
22 11 16 00-0487	EA	1" Diameter, 45 Degree Copper Elbow	68.65	40.19
		For Street Fitting, Add	*3.37*	
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.44*	
22 11 16 00-0488	EA	1-1/4" Diameter, 45 Degree Copper Elbow	76.56	43.51
		For Street Fitting, Add	*4.57*	
		For Work In Restricted Working Space, Add	*19.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.77*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.09*	
22 11 16 00-0489	EA	1-1/2" Diameter, 45 Degree Copper Elbow	85.30	47.57
		For Street Fitting, Add	*5.61*	
		For Work In Restricted Working Space, Add	*21.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.83*	
22 11 16 00-0490	EA	2" Diameter, 45 Degree Copper Elbow	103.25	53.34
		For Work In Restricted Working Space, Add	*23.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.98*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.16*	
22 11 16 00-0491	EA	2-1/2" Diameter, 45 Degree Copper Elbow	129.79	54.32
		For Work In Restricted Working Space, Add	*24.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.56*	
22 11 16 00-0492	EA	3" Diameter, 45 Degree Copper Elbow	169.00	64.96
		For Work In Restricted Working Space, Add	*29.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.32*	
22 11 16 00-0493	EA	4" Diameter, 45 Degree Copper Elbow	290.90	92.12
		For Work In Restricted Working Space, Add	*41.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.71*	
		For Silver Solder Instead Of 95/5 Solder, Add	*28.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.45*	
22 11 16 00-0494	EA	5" Diameter, 45 Degree Copper Elbow	780.89	126.07
		For Work In Restricted Working Space, Add	*56.70*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*28.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*57.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-48.49*	
22 11 16 00-0495	EA	6" Diameter, 45 Degree Copper Elbow	1,207.79	183.45
		For Work In Restricted Working Space, Add	*82.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*41.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*87.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-74.14*	
22 11 16 00-0496	EA	8" Diameter, 45 Degree Copper Elbow	3,536.26	244.56
		For Work In Restricted Working Space, Add	*110.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*55.00*	
		For Silver Solder Instead Of 95/5 Solder, Add	*213.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-195.15*	
22 11 16 00-0497		Straight Copper And Brass Tees *(22 11 16 00-0451)*		
22 11 16 00-0498	EA	1/4" Diameter, Straight Copper Tee	43.45	24.58
		For Work In Restricted Working Space, Add	*11.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.53*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.02*	
22 11 16 00-0499	EA	3/8" Diameter, Straight Copper Tee	49.54	29.50
		For Work In Restricted Working Space, Add	*13.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.69*	
22 11 16 00-0500	EA	1/2" Diameter, Straight Copper Tee	63.30	41.04
		For Work In Restricted Working Space, Add	*18.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0501	EA	3/4" Diameter, Straight Copper Tee	80.62	50.88
		For Work In Restricted Working Space, Add	*22.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.84*	
22 11 16 00-0502	EA	1" Diameter, Straight Copper Tee	104.25	60.71
		For Work In Restricted Working Space, Add	*27.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.76*	
22 11 16 00-0503	EA	1-1/4" Diameter, Straight Copper Tee	116.85	65.63
		For Work In Restricted Working Space, Add	*29.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.75*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.76*	
22 11 16 00-0504	EA	1-1/2" Diameter, Straight Copper Tee	134.95	71.28
		For Work In Restricted Working Space, Add	*32.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.04*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.09*	
22 11 16 00-0505	EA	2" Diameter, Straight Copper Tee	165.01	80.38
		For Work In Restricted Working Space, Add	*36.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.27*	
22 11 16 00-0506	EA	2-1/2" Diameter, Straight Copper Tee	209.38	81.48
		For Work In Restricted Working Space, Add	*36.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.33*	
		For Silver Solder Instead Of 95/5 Solder, Add	*22.69*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.58*	
22 11 16 00-0507	EA	3" Diameter, Straight Copper Tee	280.27	98.12
		For Work In Restricted Working Space, Add	*44.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*28.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.37*	
22 11 16 00-0508	EA	4" Diameter, Straight Copper Tee	528.25	137.39
		For Work In Restricted Working Space, Add	*61.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.90*	
		For Silver Solder Instead Of 95/5 Solder, Add	*47.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-36.71*	
22 11 16 00-0509	EA	5" Diameter, Straight Copper Tee	1,335.31	187.98
		For Work In Restricted Working Space, Add	*84.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*42.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*94.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-80.86*	
22 11 16 00-0510	EA	6" Diameter, Straight Copper Tee	1,853.21	275.56
		For Work In Restricted Working Space, Add	*123.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*61.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*133.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-113.31*	
22 11 16 00-0511	EA	8" Diameter, Straight Copper Tee	6,105.29	366.89
		For Work In Restricted Working Space, Add	*165.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*82.50*	
		For Silver Solder Instead Of 95/5 Solder, Add	*360.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-332.76*	
22 11 16 00-0512	EA	1/2" Diameter, Cast Bronze Drop Ear Tee	72.84	41.04
		For Work In Restricted Working Space, Add	*18.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.71*	

22 11 16 00-0513 Reducing Copper Tees *(22 11 16 00-0451)*

22 11 16 00-0514	EA	3/8" Diameter, Reducing Copper Tee	49.78	26.18
		For Work In Restricted Working Space, Add	*11.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.90*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.46*	
22 11 16 00-0515	EA	1/2" Diameter, Reducing Copper Tee	64.52	36.87
		For Work In Restricted Working Space, Add	*16.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.30*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.99*	
22 11 16 00-0516	EA	3/4" Diameter, Reducing Copper Tee	75.97	47.57
		For Work In Restricted Working Space, Add	*21.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.36*	
22 11 16 00-0517	EA	1" Diameter, Reducing Copper Tee	100.94	57.39
		For Work In Restricted Working Space, Add	*25.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.90*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0518	EA	1-1/4" Diameter, Reducing Copper Tee	116.03	62.31
		For Work In Restricted Working Space, Add	*28.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.47*	
22 11 16 00-0519	EA	1-1/2" Diameter, Reducing Copper Tee	133.99	68.09
		For Work In Restricted Working Space, Add	*30.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.30*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.80*	
22 11 16 00-0520	EA	2" Diameter, Reducing Copper Tee	160.54	76.20
		For Work In Restricted Working Space, Add	*34.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.15*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.74*	
22 11 16 00-0521	EA	2-1/2" Diameter, Reducing Copper Tee	213.17	78.54
		For Work In Restricted Working Space, Add	*35.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.65*	
		For Silver Solder Instead Of 95/5 Solder, Add	*22.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.54*	
22 11 16 00-0522	EA	3" Diameter, Reducing Copper Tee	292.61	90.53
		For Work In Restricted Working Space, Add	*40.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*28.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.42*	
22 11 16 00-0523	EA	4" Diameter, Reducing Copper Tee	497.57	111.70
		For Work In Restricted Working Space, Add	*50.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.12*	
		For Silver Solder Instead Of 95/5 Solder, Add	*41.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-33.25*	

22 11 16 00-0524 Copper Couplings *(22 11 16 00-0451)*

22 11 16 00-0525	EA	1/4" Diameter, Copper Coupling	21.03	13.64
		For Work In Restricted Working Space, Add	*6.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.07*	
22 11 16 00-0526	EA	3/8" Diameter, Copper Coupling	25.32	16.35
		For Work In Restricted Working Space, Add	*7.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.67*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.49*	
22 11 16 00-0527	EA	1/2" Diameter, Copper Coupling	34.36	22.36
		For Work In Restricted Working Space, Add	*10.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.05*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.40*	
22 11 16 00-0528	EA	3/4" Diameter, Copper Coupling	43.22	27.90
		For Work In Restricted Working Space, Add	*12.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.25*	
22 11 16 00-0529	EA	1" Diameter, Copper Coupling	52.76	33.30
		For Work In Restricted Working Space, Add	*14.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.50*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.14*	
22 11 16 00-0530	EA	1-1/4" Diameter, Copper Coupling	58.97	36.01
		For Work In Restricted Working Space, Add	*16.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.11*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.65*	
22 11 16 00-0531	EA	1-1/2" Diameter, Copper Coupling	65.65	39.45
		For Work In Restricted Working Space, Add	*17.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.87*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.24*	
22 11 16 00-0532	EA	2" Diameter, Copper Coupling	77.10	44.12
		For Work In Restricted Working Space, Add	*19.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.17*	
22 11 16 00-0533	EA	2-1/2" Diameter, Copper Coupling	88.91	44.59
		For Work In Restricted Working Space, Add	*20.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.05*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.80*	
22 11 16 00-0534	EA	3" Diameter, Copper Coupling	112.73	55.23
		For Work In Restricted Working Space, Add	*24.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0535	EA	4" Diameter, Copper Coupling	183.21	78.20
		For Work In Restricted Working Space, Add	*35.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.62*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.03*	
22 11 16 00-0536	EA	5" Diameter, Copper Coupling	307.09	113.28
		For Work In Restricted Working Space, Add	*51.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.51*	
		For Silver Solder Instead Of 95/5 Solder, Add	*32.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.86*	
22 11 16 00-0537	EA	6" Diameter, Copper Coupling	473.90	164.89
		For Work In Restricted Working Space, Add	*74.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*37.13*	
		For Silver Solder Instead Of 95/5 Solder, Add	*48.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-36.07*	
22 11 16 00-0538	EA	8" Diameter, Copper Coupling	1,063.90	219.78
		For Work In Restricted Working Space, Add	*99.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*49.50*	
		For Silver Solder Instead Of 95/5 Solder, Add	*86.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-69.70*	

22 11 16 00-0539 Reducing Copper Couplings *(22 11 16 00-0451)*

22 11 16 00-0540	EA	3/8" Diameter, Reducing Copper Coupling	23.81	15.00
		For Work In Restricted Working Space, Add	*6.73*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.31*	
22 11 16 00-0541	EA	1/2" Diameter, Reducing Copper Coupling	30.51	19.42
		For Work In Restricted Working Space, Add	*8.72*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.36*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.98*	
22 11 16 00-0542	EA	3/4" Diameter, Reducing Copper Coupling	40.22	25.19
		For Work In Restricted Working Space, Add	*11.32*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.66*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.90*	
22 11 16 00-0543	EA	1" Diameter, Reducing Copper Coupling	50.39	30.61
		For Work In Restricted Working Space, Add	*13.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.89*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.82*	
22 11 16 00-0544	EA	1-1/4" Diameter, Reducing Copper Coupling	58.28	34.65
		For Work In Restricted Working Space, Add	*15.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.80*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.52*	
22 11 16 00-0545	EA	1-1/2" Diameter, Reducing Copper Coupling	66.96	37.73
		For Work In Restricted Working Space, Add	*16.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.18*	
22 11 16 00-0546	EA	2" Diameter, Reducing Copper Coupling	78.73	41.79
		For Work In Restricted Working Space, Add	*18.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.41*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.07*	
22 11 16 00-0547	EA	2-1/2" Diameter, Reducing Copper Coupling	96.56	42.66
		For Work In Restricted Working Space, Add	*19.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.03*	
22 11 16 00-0548	EA	3" Diameter, Reducing Copper Coupling	115.16	49.90
		For Work In Restricted Working Space, Add	*22.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.24*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.51*	
22 11 16 00-0549	EA	4" Diameter, Reducing Copper Coupling	180.02	66.77
		For Work In Restricted Working Space, Add	*30.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.01*	
22 11 16 00-0550	EA	5" Diameter, Reducing Copper Coupling	452.44	93.47
		For Work In Restricted Working Space, Add	*42.08*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.04*	
		For Silver Solder Instead Of 95/5 Solder, Add	*36.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.64*	
22 11 16 00-0551	EA	6" Diameter, Reducing Copper Coupling	662.39	119.16
		For Work In Restricted Working Space, Add	*53.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*51.02*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-42.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0552	EA	8" Diameter, Reducing Copper Coupling	1,313.38	192.16
		For Work In Restricted Working Space, Add	*86.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*43.29*	
		For Silver Solder Instead Of 95/5 Solder, Add	*94.53*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-80.10*	
22 11 16 00-0553		**Male Copper Adapters** *(22 11 16 00-0451)*		
22 11 16 00-0554	EA	1/4" Diameter, Male Copper Adapter	35.67	15.97
		For Work In Restricted Working Space, Add	*7.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.01*	
22 11 16 00-0555	EA	3/8" Diameter, Male Copper Adapter	35.03	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.23*	
22 11 16 00-0556	EA	1/2" Diameter, Male Copper Adapter	39.11	24.58
		For Work In Restricted Working Space, Add	*11.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.53*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.80*	
22 11 16 00-0557	EA	3/4" Diameter, Male Copper Adapter	49.27	30.73
		For Work In Restricted Working Space, Add	*13.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.74*	
22 11 16 00-0558	EA	1" Diameter, Male Copper Adapter	62.50	35.64
		For Work In Restricted Working Space, Add	*15.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.93*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.77*	
22 11 16 00-0559	EA	1-1/4" Diameter, Male Copper Adapter	75.50	40.56
		For Work In Restricted Working Space, Add	*18.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.85*	
22 11 16 00-0560	EA	1-1/2" Diameter, Male Copper Adapter	86.49	46.70
		For Work In Restricted Working Space, Add	*21.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.51*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.83*	
22 11 16 00-0561	EA	2" Diameter, Male Copper Adapter	117.55	59.60
		For Work In Restricted Working Space, Add	*26.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.36*	
22 11 16 00-0562	EA	2-1/2" Diameter, Male Copper Adapter	203.00	77.43
		For Work In Restricted Working Space, Add	*34.66*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.33*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.93*	
22 11 16 00-0563	EA	3" Diameter, Male Copper Adapter	269.73	103.26
		For Work In Restricted Working Space, Add	*46.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.09*	
		For Silver Solder Instead Of 95/5 Solder, Add	*28.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.18*	
22 11 16 00-0564	EA	4" Diameter, Male Copper Adapter	402.50	144.86
		For Work In Restricted Working Space, Add	*65.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*32.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*41.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.99*	
22 11 16 00-0565		**Female Copper Adapters** *(22 11 16 00-0451)*		
22 11 16 00-0566	EA	1/4" Diameter, Female Copper Adapter	31.66	15.97
		For Work In Restricted Working Space, Add	*7.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.81*	
22 11 16 00-0567	EA	3/8" Diameter, Female Copper Adapter	36.91	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.32*	
22 11 16 00-0568	EA	1/2" Diameter, Female Copper Adapter	40.46	24.58
		For Work In Restricted Working Space, Add	*11.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.53*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.87*	
22 11 16 00-0569	EA	3/4" Diameter, Female Copper Adapter	50.37	30.73
		For Work In Restricted Working Space, Add	*13.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.82*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.79*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0570	EA	1" Diameter, Female Copper Adapter	64.06	35.64
		For Work In Restricted Working Space, Add	*15.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.93*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.85*	
22 11 16 00-0571	EA	1-1/4" Diameter, Female Copper Adapter	77.89	40.56
		For Work In Restricted Working Space, Add	*18.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.97*	
22 11 16 00-0572	EA	1-1/2" Diameter, Female Copper Adapter	95.78	46.70
		For Work In Restricted Working Space, Add	*21.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.51*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.29*	
22 11 16 00-0573	EA	2" Diameter, Female Copper Adapter	124.63	59.60
		For Work In Restricted Working Space, Add	*26.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.20*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.72*	
22 11 16 00-0574	EA	2-1/2" Diameter, Female Copper Adapter	229.81	71.29
		For Work In Restricted Working Space, Add	*31.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*22.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.81*	
22 11 16 00-0575	EA	3" Diameter, Female Copper Adapter	361.85	103.26
		For Work In Restricted Working Space, Add	*46.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.09*	
		For Silver Solder Instead Of 95/5 Solder, Add	*33.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-25.79*	

22 11 16 00-0576 Wrot Copper, Solder Union *(22 11 16 00-0451)*

22 11 16 00-0577	EA	1/4" Diameter, Wrot Copper, Solder Union	44.59	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.18*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.70*	
22 11 16 00-0578	EA	3/8" Diameter, Wrot Copper, Solder Union	51.19	23.72
		For Work In Restricted Working Space, Add	*10.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.34*	
22 11 16 00-0579	EA	1/2" Diameter, Wrot Copper, Solder Union	53.86	29.50
		For Work In Restricted Working Space, Add	*13.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.91*	
22 11 16 00-0580	EA	3/4" Diameter, Wrot Copper, Solder Union	62.20	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.63*	
22 11 16 00-0581	EA	1" Diameter, Wrot Copper, Solder Union	80.54	40.19
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.04*	
22 11 16 00-0582	EA	1-1/4" Diameter, Wrot Copper, Solder Union	95.79	44.25
		For Work In Restricted Working Space, Add	*19.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.11*	
22 11 16 00-0583	EA	1-1/2" Diameter, Wrot Copper, Solder Union	115.23	49.16
		For Work In Restricted Working Space, Add	*22.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.45*	
22 11 16 00-0584	EA	2" Diameter, Wrot Copper, Solder Union	159.20	58.99
		For Work In Restricted Working Space, Add	*26.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.38*	
22 11 16 00-0585	EA	2-1/2" Diameter, Wrot Copper, Solder Union	290.14	64.96
		For Work In Restricted Working Space, Add	*29.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.37*	
22 11 16 00-0586	EA	3" Diameter, Wrot Copper, Solder Union	637.03	92.12
		For Work In Restricted Working Space, Add	*41.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.71*	
		For Silver Solder Instead Of 95/5 Solder, Add	*45.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.75*	

22 11 16 00-0587 Cast Bronze, Solder Union *(22 11 16 00-0451)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0588	EA	1/4" Diameter, Cast Bronze, Solder Union	50.16	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.98*	
22 11 16 00-0589	EA	3/8" Diameter, Cast Bronze, Solder Union	56.44	23.72
		For Work In Restricted Working Space, Add	*10.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.60*	
22 11 16 00-0590	EA	1/2" Diameter, Cast Bronze, Solder Union	55.33	29.50
		For Work In Restricted Working Space, Add	*13.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.98*	
22 11 16 00-0591	EA	3/4" Diameter, Cast Bronze, Solder Union	64.27	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.73*	
22 11 16 00-0592	EA	1" Diameter, Cast Bronze, Solder Union	84.12	40.19
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.22*	
22 11 16 00-0593	EA	1-1/4" Diameter, Cast Bronze, Solder Union	105.60	44.25
		For Work In Restricted Working Space, Add	*19.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.60*	
22 11 16 00-0594	EA	1-1/2" Diameter, Cast Bronze, Solder Union	125.46	49.16
		For Work In Restricted Working Space, Add	*22.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.96*	
22 11 16 00-0595	EA	2" Diameter, Cast Bronze, Solder Union	176.62	58.99
		For Work In Restricted Working Space, Add	*26.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*17.68*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.26*	
22 11 16 00-0596	EA	2-1/2" Diameter, Cast Bronze, Solder Union	290.13	64.96
		For Work In Restricted Working Space, Add	*29.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-19.37*	
22 11 16 00-0597	EA	3" Diameter, Cast Bronze, Solder Union	637.03	92.12
		For Work In Restricted Working Space, Add	*41.42*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.71*	
		For Silver Solder Instead Of 95/5 Solder, Add	*45.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.75*	

22 11 16 00-0598 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0451)*

22 11 16 00-0599	EA	1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	57.68	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.36*	
22 11 16 00-0600	EA	3/8" Diameter, Cast Bronze, Solder X Female Threaded Union	64.80	23.72
		For Work In Restricted Working Space, Add	*10.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.02*	
22 11 16 00-0601	EA	1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	67.41	29.50
		For Work In Restricted Working Space, Add	*13.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.58*	
22 11 16 00-0602	EA	3/4" Diameter, Cast Bronze, Solder X Female Threaded Union	81.95	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*9.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.62*	
22 11 16 00-0603	EA	1" Diameter, Cast Bronze, Solder X Female Threaded Union	125.88	40.19
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.31*	
22 11 16 00-0604	EA	1-1/4" Diameter, Cast Bronze, Solder X Female Threaded Union	188.73	44.25
		For Work In Restricted Working Space, Add	*19.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.07*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0605	EA	1-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	228.77	49.16
		For Work In Restricted Working Space, Add	*22.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.13*	
22 11 16 00-0606	EA	2" Diameter, Cast Bronze, Solder X Female Threaded Union	350.89	58.99
		For Work In Restricted Working Space, Add	*26.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*26.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.97*	
22 11 16 00-0607	EA	2-1/2" Diameter, Cast Bronze, Solder X Female Threaded Union	594.74	64.96
		For Work In Restricted Working Space, Add	*29.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*39.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.60*	
22 11 16 00-0608		**Cast Bronze, Solder X Male Threaded Union** *(22 11 16 00-0451)*		
22 11 16 00-0609	EA	1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	50.96	19.67
		For Work In Restricted Working Space, Add	*8.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.43*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.02*	
22 11 16 00-0610	EA	3/8" Diameter, Cast Bronze, Solder X Male Threaded Union	60.69	23.72
		For Work In Restricted Working Space, Add	*10.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.35*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.82*	
22 11 16 00-0611	EA	1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	62.53	29.50
		For Work In Restricted Working Space, Add	*13.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.34*	
22 11 16 00-0612	EA	3/4" Diameter, Cast Bronze, Solder X Male Threaded Union	77.81	33.68
		For Work In Restricted Working Space, Add	*15.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.93*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.41*	
22 11 16 00-0613	EA	1" Diameter, Cast Bronze, Solder X Male Threaded Union	127.77	40.19
		For Work In Restricted Working Space, Add	*18.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.03*	
		For Silver Solder Instead Of 95/5 Solder, Add	*12.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.40*	
22 11 16 00-0614	EA	1-1/4" Diameter, Cast Bronze, Solder X Male Threaded Union	150.16	44.25
		For Work In Restricted Working Space, Add	*19.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.96*	
		For Silver Solder Instead Of 95/5 Solder, Add	*14.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.83*	
22 11 16 00-0615	EA	1-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	161.76	49.16
		For Work In Restricted Working Space, Add	*22.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.06*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.78*	
22 11 16 00-0616	EA	2" Diameter, Cast Bronze, Solder X Male Threaded Union	223.68	58.99
		For Work In Restricted Working Space, Add	*26.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.27*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.61*	
22 11 16 00-0617	EA	2-1/2" Diameter, Cast Bronze, Solder X Male Threaded Union	493.50	64.96
		For Work In Restricted Working Space, Add	*29.20*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.60*	
		For Silver Solder Instead Of 95/5 Solder, Add	*34.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-29.54*	
22 11 16 00-0618		**Copper Caps** *(22 11 16 00-0451)*		
22 11 16 00-0619	EA	1/4" Diameter, Copper Cap	9.07	5.40
		For Work In Restricted Working Space, Add	*2.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.22*	
		For Silver Solder Instead Of 95/5 Solder, Add	*1.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.86*	
22 11 16 00-0620	EA	3/8" Diameter, Copper Cap	11.25	6.39
		For Work In Restricted Working Space, Add	*2.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.46*	
		For Silver Solder Instead Of 95/5 Solder, Add	*1.54*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.05*	
22 11 16 00-0621	EA	1/2" Diameter, Copper Cap	14.17	8.85
		For Work In Restricted Working Space, Add	*4.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.01*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.38*	
22 11 16 00-0622	EA	3/4" Diameter, Copper Cap	18.09	10.94
		For Work In Restricted Working Space, Add	*4.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.49*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0623	EA	1" Diameter, Copper Cap	23.31	13.15
		For Work In Restricted Working Space, Add	*5.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*2.98*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.16*	
22 11 16 00-0624	EA	1-1/4" Diameter, Copper Cap	26.10	14.13
		For Work In Restricted Working Space, Add	*6.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.23*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.38*	
22 11 16 00-0625	EA	1-1/2" Diameter, Copper Cap	30.21	15.49
		For Work In Restricted Working Space, Add	*7.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.53*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.69*	
22 11 16 00-0626	EA	2" Diameter, Copper Cap	36.65	16.07
		For Work In Restricted Working Space, Add	*7.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.05*	
22 11 16 00-0627	EA	2-1/2" Diameter, Copper Cap	65.16	18.79
		For Work In Restricted Working Space, Add	*8.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.28*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.68*	
22 11 16 00-0628	EA	3" Diameter, Copper Cap	88.97	24.11
		For Work In Restricted Working Space, Add	*10.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.48*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.27*	
22 11 16 00-0629	EA	4" Diameter, Copper Cap	154.26	36.44
		For Work In Restricted Working Space, Add	*16.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.28*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.47*	
22 11 16 00-0630	EA	5" Diameter, Cast Bronze Cap	781.19	56.13
		For Work In Restricted Working Space, Add	*25.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*47.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-43.31*	
22 11 16 00-0631	EA	6" Diameter, Cast Bronze Cap	1,510.71	81.70
		For Work In Restricted Working Space, Add	*37.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.56*	
		For Silver Solder Instead Of 95/5 Solder, Add	*87.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-81.72*	
22 11 16 00-0632	EA	8" Diameter, Cast Bronze Cap	1,925.26	108.87
		For Work In Restricted Working Space, Add	*49.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.75*	
		For Silver Solder Instead Of 95/5 Solder, Add	*112.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-104.51*	

22 11 16 00-0633 Copper Crosses *(22 11 16 00-0451)*

22 11 16 00-0634	EA	1/2" Diameter, Copper Cross	87.03	49.79
		For Work In Restricted Working Space, Add	*22.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.09*	
22 11 16 00-0635	EA	3/4" Diameter, Copper Cross	116.76	61.91
		For Work In Restricted Working Space, Add	*27.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.48*	
22 11 16 00-0636	EA	1" Diameter, Copper Cross	151.61	73.90
		For Work In Restricted Working Space, Add	*33.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.13*	
22 11 16 00-0637	EA	1-1/4" Diameter, Copper Cross	178.47	80.01
		For Work In Restricted Working Space, Add	*35.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.99*	
		For Silver Solder Instead Of 95/5 Solder, Add	*20.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.92*	
22 11 16 00-0638	EA	1-1/2" Diameter, Copper Cross	214.67	87.48
		For Work In Restricted Working Space, Add	*39.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*23.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.30*	
22 11 16 00-0639	EA	2" Diameter, Copper Cross	304.65	98.12
		For Work In Restricted Working Space, Add	*44.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*29.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0640	EA	2-1/2" Diameter, Copper Cross	526.10	108.64
		For Work In Restricted Working Space, Add	*48.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.44*	
		For Silver Solder Instead Of 95/5 Solder, Add	*42.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.45*	

22 11 16 00-0641 Cast Bronze Crosses *(22 11 16 00-0451)*

22 11 16 00-0642	EA	3/8" Diameter, Cast Bronze Cross	70.76	36.21
		For Work In Restricted Working Space, Add	*16.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.15*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.25*	
22 11 16 00-0643	EA	1/2" Diameter, Cast Bronze Cross	89.49	49.79
		For Work In Restricted Working Space, Add	*22.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.21*	
		For Silver Solder Instead Of 95/5 Solder, Add	*11.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.21*	
22 11 16 00-0644	EA	3/4" Diameter, Cast Bronze Cross	121.55	61.91
		For Work In Restricted Working Space, Add	*27.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.92*	
		For Silver Solder Instead Of 95/5 Solder, Add	*15.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.72*	
22 11 16 00-0645	EA	1" Diameter, Cast Bronze Cross	159.74	73.90
		For Work In Restricted Working Space, Add	*33.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.64*	
		For Silver Solder Instead Of 95/5 Solder, Add	*19.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.53*	
22 11 16 00-0646	EA	1-1/4" Diameter, Cast Bronze Cross	190.17	80.01
		For Work In Restricted Working Space, Add	*35.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.99*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.51*	
22 11 16 00-0647	EA	1-1/2" Diameter, Cast Bronze Cross	231.34	87.48
		For Work In Restricted Working Space, Add	*39.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.69*	
		For Silver Solder Instead Of 95/5 Solder, Add	*24.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.13*	
22 11 16 00-0648	EA	2" Diameter, Cast Bronze Cross	333.98	98.12
		For Work In Restricted Working Space, Add	*44.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.07*	
		For Silver Solder Instead Of 95/5 Solder, Add	*31.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.05*	
22 11 16 00-0649	EA	2-1/2" Diameter, Cast Bronze Cross	598.73	108.64
		For Work In Restricted Working Space, Add	*48.89*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*24.44*	
		For Silver Solder Instead Of 95/5 Solder, Add	*46.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.08*	

22 11 16 00-0650 Flexible Corrugated Copper Supply Line *(22 11 16 00-0451)*

22 11 16 00-0651	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 18" Long, Flexible Corrugated Copper Supply Line	86.16	33.68
22 11 16 00-0652	EA	3/4" Diameter Threaded x 3/4" Diameter Solder x 24" Long, Flexible Corrugated Copper Supply Line	90.47	33.68
22 11 16 00-0653	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 12" Long, Flexible Corrugated Copper Supply Line	78.42	33.68
22 11 16 00-0654	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 15" Long, Flexible Corrugated Copper Supply Line	83.29	33.68
22 11 16 00-0655	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 18" Long, Flexible Corrugated Copper Supply Line	87.60	33.68
22 11 16 00-0656	EA	3/4" Diameter Threaded x 3/4" Diameter Threaded x 24" Long, Flexible Corrugated Copper Supply Line	90.47	33.68

22 11 16 00-0657 Crimped Copper Fittings *(22 11 16 00-0383)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0658 Crimped Copper 90 Degree Elbows *(22 11 16 00-0657)*

22 11 16 00-0659	EA	1/2" Diameter, Crimped Copper 90 Degree Elbow	25.13	14.75
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0660	EA	3/4" Diameter, Crimped Copper 90 Degree Elbow	30.30	16.84
		For Work In Restricted Working Space, Add	*7.56*	
22 11 16 00-0661	EA	1" Diameter, Crimped Copper 90 Degree Elbow	40.35	20.03
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0662	EA	1-1/4" Diameter, Crimped Copper 90 Degree Elbow	53.85	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0663	EA	1-1/2" Diameter, Crimped Copper 90 Degree Elbow	76.00	24.58
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0664	EA	2" Diameter, Crimped Copper 90 Degree Elbow	98.64	29.50
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0665	EA	2-1/2" Diameter, Crimped Copper 90 Degree Elbow	209.60	34.41
		For Work In Restricted Working Space, Add	*15.49*	
22 11 16 00-0666	EA	3" Diameter, Crimped Copper 90 Degree Elbow	260.20	40.92
		For Work In Restricted Working Space, Add	*18.44*	
22 11 16 00-0667	EA	4" Diameter, Crimped Copper 90 Degree Elbow	327.01	54.08
		For Work In Restricted Working Space, Add	*24.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 16 00-0668 Crimped Copper 45 Degree Elbows *(22 11 16 00-0657)*

22 11 16 00-0669	EA	1/2" Crimped Copper 45 Degree Elbow	25.63	14.75
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0670	EA	3/4" Crimped Copper 45 Degree Elbow	29.50	16.84
		For Work In Restricted Working Space, Add	*7.56*	
22 11 16 00-0671	EA	1" Crimped Copper 45 Degree Elbow	43.96	20.03
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0672	EA	1-1/4" Crimped Copper 45 Degree Elbow	53.05	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0673	EA	1-1/2" Crimped Copper 45 Degree Elbow	69.08	24.58
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0674	EA	2" Crimped Copper 45 Degree Elbow	89.31	29.50
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0675	EA	2-1/2" Crimped Copper 45 Degree Elbow	155.98	34.41
		For Work In Restricted Working Space, Add	*15.49*	
22 11 16 00-0676	EA	3" Crimped Copper 45 Degree Elbow	210.54	40.92
		For Work In Restricted Working Space, Add	*18.44*	
22 11 16 00-0677	EA	4" Crimped Copper 45 Degree Elbow	288.17	54.08
		For Work In Restricted Working Space, Add	*24.33*	

22 11 16 00-0678 Crimped Copper Straight Tees *(22 11 16 00-0657)*

22 11 16 00-0679	EA	1/2" Diameter, Crimped Copper Straight Tee	37.79	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0680	EA	3/4" Diameter, Crimped Copper Straight Tee	51.76	29.13
		For Work In Restricted Working Space, Add	*13.09*	
22 11 16 00-0681	EA	1" Diameter, Crimped Copper Straight Tee	63.19	32.32
		For Work In Restricted Working Space, Add	*14.56*	
22 11 16 00-0682	EA	1-1/4" Diameter, Crimped Copper Straight Tee	74.55	33.18
		For Work In Restricted Working Space, Add	*14.93*	
22 11 16 00-0683	EA	1-1/2" Diameter, Crimped Copper Straight Tee	104.69	37.73
		For Work In Restricted Working Space, Add	*16.96*	
22 11 16 00-0684	EA	2" Diameter, Crimped Copper Straight Tee	125.87	44.25
		For Work In Restricted Working Space, Add	*19.91*	
22 11 16 00-0685	EA	2-1/2" Diameter, Crimped Copper Straight Tee	272.61	51.62
		For Work In Restricted Working Space, Add	*23.23*	
22 11 16 00-0686	EA	3" Diameter, Crimped Copper Straight Tee	336.14	61.45
		For Work In Restricted Working Space, Add	*27.65*	
22 11 16 00-0687	EA	4" Diameter, Crimped Copper Straight Tee	464.00	81.11
		For Work In Restricted Working Space, Add	*36.50*	

22 11 16 00-0688 Crimped Copper Reducing Tees *(22 11 16 00-0657)*

22 11 16 00-0689	EA	3/4" Diameter, Crimped Copper Reducing Tee	44.12	21.02
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0690	EA	1" Diameter, Crimped Copper Reducing Tee	63.70	27.65
		For Work In Restricted Working Space, Add	*12.43*	
22 11 16 00-0691	EA	1-1/4" Diameter, Crimped Copper Reducing Tee	68.76	30.73
		For Work In Restricted Working Space, Add	*13.83*	
22 11 16 00-0692	EA	1-1/2" Diameter, Crimped Copper Reducing Tee	90.06	31.58
		For Work In Restricted Working Space, Add	*14.19*	
22 11 16 00-0693	EA	2" Diameter, Crimped Copper Reducing Tee	107.80	35.76
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0694	EA	2-1/2" Diameter, Crimped Copper Reducing Tee	290.73	40.56
		For Work In Restricted Working Space, Add	*18.44*	
22 11 16 00-0695	EA	3" Diameter, Crimped Copper Reducing Tee	354.43	49.16
		For Work In Restricted Working Space, Add	*22.13*	
22 11 16 00-0696	EA	4" Diameter, Crimped Copper Reducing Tee	417.66	65.50
		For Work In Restricted Working Space, Add	*29.50*	

22 11 16 00-0697 Crimped Copper Couplings *(22 11 16 00-0657)*

22 11 16 00-0698	EA	1/2" Diameter, Crimped Copper Coupling	24.83	14.75
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0699	EA	3/4" Diameter, Crimped Copper Coupling	29.31	16.84
		For Work In Restricted Working Space, Add	*7.56*	
22 11 16 00-0700	EA	1" Diameter, Crimped Copper Coupling	38.43	20.03
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0701	EA	1-1/4" Diameter, Crimped Copper Coupling	43.52	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0702	EA	1-1/2" Diameter, Crimped Copper Coupling	56.13	24.58
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0703	EA	2" Diameter, Crimped Copper Coupling	68.84	29.50
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0704	EA	2-1/2" Diameter, Crimped Copper Coupling	130.30	34.41
		For Work In Restricted Working Space, Add	*15.49*	
22 11 16 00-0705	EA	3" Diameter, Crimped Copper Coupling	161.65	40.92
		For Work In Restricted Working Space, Add	*18.44*	
22 11 16 00-0706	EA	4" Diameter, Crimped Copper Coupling	220.25	54.08
		For Work In Restricted Working Space, Add	*24.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0707		**Crimped Copper Reducing Couplings** *(22 11 16 00-0657)*		
22 11 16 00-0708	EA	3/4" Diameter, Crimped Copper Reducing Coupling	33.37	14.01
		For Work In Restricted Working Space, Add	*6.31*	
22 11 16 00-0709	EA	1" Diameter, Crimped Copper Reducing Coupling	38.11	15.97
		For Work In Restricted Working Space, Add	*7.19*	
22 11 16 00-0710	EA	1-1/4" Diameter, Crimped Copper Reducing Coupling	49.21	19.05
		For Work In Restricted Working Space, Add	*8.59*	
22 11 16 00-0711	EA	1-1/2" Diameter, Crimped Copper Reducing Coupling	61.88	21.02
		For Work In Restricted Working Space, Add	*9.47*	
22 11 16 00-0712	EA	2" Diameter, Crimped Copper Reducing Coupling	69.14	23.35
		For Work In Restricted Working Space, Add	*10.51*	
22 11 16 00-0713	EA	2-1/2" Diameter, Crimped Copper FTG x C Reducing Coupling	134.74	27.90
		For Work In Restricted Working Space, Add	*12.54*	
22 11 16 00-0714	EA	3" Diameter, Crimped Copper FTG x C Reducing Coupling	167.71	32.81
		For Work In Restricted Working Space, Add	*14.75*	
22 11 16 00-0715	EA	4" Diameter, Crimped Copper FTG x C Reducing Coupling	218.09	43.38
		For Work In Restricted Working Space, Add	*19.54*	
22 11 16 00-0716		**Crimped Copper Male Adapters** *(22 11 16 00-0657)*		
22 11 16 00-0717	EA	1/2" Diameter, Crimped Copper Male Adapter	25.44	14.75
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0718	EA	3/4" Diameter, Crimped Copper Male Adapter	31.21	16.84
		For Work In Restricted Working Space, Add	*7.56*	
22 11 16 00-0719	EA	1" Diameter, Crimped Copper Male Adapter	41.14	20.03
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0720	EA	1-1/4" Diameter, Crimped Copper Male Adapter	57.36	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0721	EA	1-1/2" Diameter, Crimped Copper Male Adapter	70.79	24.58
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0722	EA	2" Diameter, Crimped Copper Male Adapter	109.57	29.50
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0723	EA	2-1/2" Diameter, Crimped Copper Male Adapter	209.60	34.41
		For Work In Restricted Working Space, Add	*15.49*	
22 11 16 00-0724	EA	3" Diameter, Crimped Copper Male Adapter	260.20	40.92
		For Work In Restricted Working Space, Add	*18.44*	
22 11 16 00-0725	EA	4" Diameter, Crimped Copper Male Adapter	311.17	54.08
		For Work In Restricted Working Space, Add	*24.33*	
22 11 16 00-0726		**Crimped Copper Female Adapters** *(22 11 16 00-0657)*		
22 11 16 00-0727	EA	1/2" Diameter, Crimped Copper Female Adapter	26.13	14.75
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0728	EA	3/4" Diameter, Crimped Copper Female Adapter	31.72	16.84
		For Work In Restricted Working Space, Add	*7.56*	
22 11 16 00-0729	EA	1" Diameter, Crimped Copper Female Adapter	42.15	20.03
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0730	EA	1-1/4" Diameter, Crimped Copper Female Adapter	60.37	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0731	EA	1-1/2" Diameter, Crimped Copper Female Adapter	76.41	24.58
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0732	EA	2" Diameter, Crimped Copper Female Adapter	111.38	29.50
		For Work In Restricted Working Space, Add	*13.28*	
22 11 16 00-0733		**Crimped Copper Caps** *(22 11 16 00-0657)*		
22 11 16 00-0734	EA	1/2" Diameter, Crimped Copper Cap	16.88	7.38
		For Work In Restricted Working Space, Add	*3.32*	
22 11 16 00-0735	EA	3/4" Diameter, Crimped Copper Cap	22.73	8.61
		For Work In Restricted Working Space, Add	*3.87*	
22 11 16 00-0736	EA	1" Diameter, Crimped Copper Cap	29.90	9.83
		For Work In Restricted Working Space, Add	*4.43*	
22 11 16 00-0737	EA	1-1/4" Diameter, Crimped Copper Cap	33.75	11.06
		For Work In Restricted Working Space, Add	*4.98*	
22 11 16 00-0738	EA	1-1/2" Diameter, Crimped Copper Cap	45.64	12.66
		For Work In Restricted Working Space, Add	*5.72*	
22 11 16 00-0739	EA	2" Diameter, Crimped Copper Cap	54.42	14.75
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0740	EA	2-1/2" Diameter, Crimped Copper Cap	129.11	17.21
		For Work In Restricted Working Space, Add	*7.74*	
22 11 16 00-0741	EA	3" Diameter, Crimped Copper Cap	161.46	20.52
		For Work In Restricted Working Space, Add	*9.22*	
22 11 16 00-0742	EA	4" Diameter, Crimped Copper Cap	214.77	27.03
		For Work In Restricted Working Space, Add	*12.17*	
22 11 16 00-0743		**C x F NPT Crimped Bronze Unions** *(22 11 16 00-0657)*		
22 11 16 00-0744	EA	1/2" Diameter, C x F NPT Crimped Bronze Union	47.17	20.03
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0745	EA	3/4" Diameter, C x F NPT Crimped Bronze Union	58.86	24.70
		For Work In Restricted Working Space, Add	*11.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0746	EA	1" Diameter, C x F NPT Crimped Bronze Union	80.70	29.62
		For Work In Restricted Working Space, Add	*13.31*	
22 11 16 00-0747	EA	1-1/4" Diameter, C x F NPT Crimped Bronze Union	97.33	34.17
		For Work In Restricted Working Space, Add	*15.41*	
22 11 16 00-0748	EA	1-1/2" Diameter, C x F NPT Crimped Bronze Union	122.39	33.43
		For Work In Restricted Working Space, Add	*15.04*	
22 11 16 00-0749	EA	2" Diameter, C x F NPT Crimped Bronze Union	168.23	48.42
		For Work In Restricted Working Space, Add	*21.75*	

22 11 16 00-0750 C x C Crimped Bronze Unions *(22 11 16 00-0657)*

22 11 16 00-0751	EA	1/2" Diameter, C x C Bronze Crimped Union	43.39	14.75
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0752	EA	3/4" Diameter, C x C Bronze Crimped Union	53.08	16.84
		For Work In Restricted Working Space, Add	*7.56*	
22 11 16 00-0753	EA	1" Diameter, C x C Bronze Crimped Union	74.66	20.03
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0754	EA	1-1/4" Diameter, C x C Bronze Crimped Union	96.79	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0755	EA	1-1/2" Diameter, C x C Bronze Crimped Union	123.26	24.58
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-0756	EA	2" Diameter, C x C Bronze Crimped Union	185.33	29.50
		For Work In Restricted Working Space, Add	*13.28*	

22 11 16 00-0757 C x Flange Crimped Bronze Flange *(22 11 16 00-0657)*

22 11 16 00-0758	EA	2-1/2" Diameter, C x Flange Crimped Bronze Flange	353.69	34.41
		For Work In Restricted Working Space, Add	*15.49*	
22 11 16 00-0759	EA	3" Diameter, C x Flange Crimped Bronze Flange	386.58	40.92
		For Work In Restricted Working Space, Add	*18.44*	
22 11 16 00-0760	EA	4" Diameter, C x Flange Crimped Bronze Flange	445.08	54.08
		For Work In Restricted Working Space, Add	*24.33*	

22 11 16 00-0761 Field Installed FKM Seals *(22 11 16 00-0657)*

Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.

22 11 16 00-0762	EA	1/2" Diameter, Field Installed FKM Seal	7.23	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*1.66*	
22 11 16 00-0763	EA	3/4" Diameter, Field Installed FKM Seal	9.06	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*1.94*	
22 11 16 00-0764	EA	1" Diameter, Field Installed FKM Seal	10.39	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*2.21*	
22 11 16 00-0765	EA	1-1/4" Diameter, Field Installed FKM Seal	11.91	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*2.49*	
22 11 16 00-0766	EA	1-1/2" Diameter, Field Installed FKM Seal	16.35	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*2.86*	
22 11 16 00-0767	EA	2" Diameter, Field Installed FKM Seal	18.28	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*3.32*	
22 11 16 00-0768	EA	2-1/2" Diameter, Field Installed FKM Seal	26.65	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*3.87*	
22 11 16 00-0769	EA	3" Diameter, Field Installed FKM Seal	30.71	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*4.61*	
22 11 16 00-0770	EA	4" Diameter, Field Installed FKM Seal	41.75	
		Note: To be used in conjunction with fittings.		
		For Work In Restricted Working Space, Add	*6.08*	

22 11 16 00-0771 Cut And Prepare Existing In-Place Copper Pipe *(22 11 16 00-0383)*

22 11 16 00-0772	EA	Up To 1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	12.29
22 11 16 00-0773	EA	3/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	13.28
22 11 16 00-0774	EA	1" Diameter, Cut And Prepare Existing In Place Copper Pipe	14.94
22 11 16 00-0775	EA	1-1/4" Diameter, Cut And Prepare Existing In Place Copper Pipe	15.67
22 11 16 00-0776	EA	1-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	16.59
22 11 16 00-0777	EA	2" Diameter, Cut And Prepare Existing In Place Copper Pipe	18.26
22 11 16 00-0778	EA	2-1/2" Diameter, Cut And Prepare Existing In Place Copper Pipe	19.67
22 11 16 00-0779	EA	3" Diameter, Cut And Prepare Existing In Place Copper Pipe	23.23
22 11 16 00-0780	EA	4" Diameter, Cut And Prepare Existing In Place Copper Pipe	31.34
22 11 16 00-0781	EA	6" Diameter, Cut And Prepare Existing In Place Copper Pipe	44.79
22 11 16 00-0782	EA	8" Diameter, Cut And Prepare Existing In Place Copper Pipe	59.73

22 11 16 00-0783 Sweat Brass Companion Flanges *(22 11 16 00-0383)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

22 11 16 00-0784	EA	1" Diameter, Sweat Brass Companion Flange	62.32	18.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0785	EA	1-1/4" Diameter, Sweat Brass Companion Flange	68.06	20.82
22 11 16 00-0786	EA	1-1/2" Diameter, Sweat Brass Companion Flange	95.53	22.64
22 11 16 00-0787	EA	2" Diameter, Sweat Brass Companion Flange	126.53	25.12
22 11 16 00-0788	EA	2-1/2" Diameter, Sweat Brass Companion Flange	158.25	30.22
22 11 16 00-0789	EA	3" Diameter, Sweat Brass Companion Flange	176.34	39.61
22 11 16 00-0790	EA	4" Diameter, Sweat Brass Companion Flange	233.89	47.20
22 11 16 00-0791	EA	5" Diameter, Sweat Brass Companion Flange	439.38	55.89
22 11 16 00-0792	EA	6" Diameter, Sweat Brass Companion Flange	514.01	81.21
22 11 16 00-0793	EA	8" Diameter, Copper Companion Flange	1,153.32	115.85
22 11 16 00-0794		Brass Compression Fittings *(22 11 16 00-0383)*		
22 11 16 00-0795		Brass Compression Unions *(22 11 16 00-0794)*		
22 11 16 00-0796	EA	1/4" Diameter, Brass Compression Union	21.00	13.28
22 11 16 00-0797	EA	3/8" Diameter, Brass Compression Union	21.30	13.28
22 11 16 00-0798	EA	1/2" Diameter, Brass Compression Union	22.21	13.28
22 11 16 00-0799	EA	5/8" Diameter, Brass Compression Union	22.64	13.28
22 11 16 00-0800	EA	3/4" Diameter, Brass Compression Union	31.80	13.28
22 11 16 00-0801	EA	3/8" x 1/4" Diameter, Brass Compression Union	21.51	13.28
22 11 16 00-0802	EA	1/2" x 3/8" Diameter, Brass Compression Union	22.28	13.28
22 11 16 00-0803	EA	5/8" x 3/8" Diameter, Brass Compression Union	22.82	13.28
22 11 16 00-0804	EA	5/8" x 1/2" Diameter, Brass Compression Union	23.68	13.28
22 11 16 00-0805		Brass Compression Union Elbows *(22 11 16 00-0794)*		
22 11 16 00-0806	EA	1/4" Diameter, Brass Compression Union Elbow	22.21	13.28
22 11 16 00-0807	EA	3/8" Diameter, Brass Compression Union Elbow	22.70	13.28
22 11 16 00-0808	EA	1/2" Diameter, Brass Compression Union Elbow	23.78	13.28
22 11 16 00-0809	EA	5/8" Diameter, Brass Compression Union Elbow	25.45	13.28
22 11 16 00-0810	EA	3/4" Diameter, Brass Compression Union Elbow	31.98	13.28
22 11 16 00-0811	EA	3/8" x 1/4" Diameter, Brass Compression Union Elbow	22.70	13.28
22 11 16 00-0812	EA	1/2" x 3/8" Diameter, Brass Compression Union Elbow	23.78	13.28
22 11 16 00-0813	EA	5/8" x 3/8" Diameter, Brass Compression Union Elbow	24.08	13.28
22 11 16 00-0814	EA	5/8" x 1/2" Diameter, Brass Compression Union Elbow	28.98	13.28
22 11 16 00-0815		Brass Compression Union Tees *(22 11 16 00-0794)*		
22 11 16 00-0816	EA	1/4" Diameter, Brass Compression Union Tee	22.58	13.28
22 11 16 00-0817	EA	3/8" Diameter, Brass Compression Union Tee	23.60	13.28
22 11 16 00-0818	EA	1/2" Diameter, Brass Compression Union Tee	24.68	13.28
22 11 16 00-0819	EA	5/8" Diameter, Brass Compression Union Tee	28.09	13.28
22 11 16 00-0820	EA	3/4" Diameter, Brass Compression Union Tee	39.87	13.28
22 11 16 00-0821	EA	3/8" x 3/8" x 1/4" Diameter, Brass Compression Union Tee	24.32	13.28
22 11 16 00-0822	EA	1/2" x 1/2" x 3/8" Diameter, Brass Compression Union Tee	29.85	13.28
22 11 16 00-0823	EA	5/8" x 5/8" x 3/8" Diameter, Brass Compression Union Tee	29.32	13.28
22 11 16 00-0824	EA	5/8" x 5/8" x 1/2" Diameter, Brass Compression Union Tee	29.94	13.28
22 11 16 00-0825		Brass Compression Male Connectors *(22 11 16 00-0794)*		
22 11 16 00-0826	EA	1/4" Diameter, Brass Compression Male Connector	20.79	13.28
22 11 16 00-0827	EA	3/8" Diameter, Brass Compression Male Connector	21.18	13.28
22 11 16 00-0828	EA	1/2" Diameter, Brass Compression Male Connector	21.86	13.28
22 11 16 00-0829	EA	5/8" Diameter, Brass Compression Male Connector	22.88	13.28
22 11 16 00-0830	EA	3/4" Diameter, Brass Compression Male Connector	28.23	13.15
22 11 16 00-0831		Brass Compression Female Connectors *(22 11 16 00-0794)*		
22 11 16 00-0832	EA	1/4" Diameter, Brass Compression Female Connector	21.22	13.28
22 11 16 00-0833	EA	3/8" Diameter, Brass Compression Female Connector	21.73	13.28
22 11 16 00-0834	EA	1/2" Diameter, Brass Compression Female Connector	22.60	13.28
22 11 16 00-0835	EA	5/8" Diameter, Brass Compression Female Connector	23.16	13.28
22 11 16 00-0836	EA	3/4" Diameter, Brass Compression Female Connector	36.57	13.02
22 11 16 00-0837		Dielectric Fittings *(22 11 16 00-0383)*		
22 11 16 00-0838		Copper x Female Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)*		
22 11 16 00-0839	EA	1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	51.89	29.50
22 11 16 00-0840	EA	3/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	58.02	33.68
22 11 16 00-0841	EA	1" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	68.75	37.01
22 11 16 00-0842	EA	1-1/4" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	82.91	40.74
22 11 16 00-0843	EA	1-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	99.86	45.27
22 11 16 00-0844	EA	2" Diameter, Copper x Female Iron Pipe Thread Dielectric Union	126.52	54.32
22 11 16 00-0845		Female Brass Thread x Iron Pipe Thread Dielectric Unions *(22 11 16 00-0837)*		
22 11 16 00-0846	EA	1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	56.72	29.50
22 11 16 00-0847	EA	3/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	65.98	33.68
22 11 16 00-0848	EA	1" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	79.24	37.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0849	EA	1-1/4" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	96.82	40.74
22 11 16 00-0850	EA	1-1/2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	117.07	45.27
22 11 16 00-0851	EA	2" Diameter, Female Brass Thread x Iron Pipe Thread Dielectric Union	146.70	54.32
22 11 16 00-0852		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0837)*		
22 11 16 00-0853	EA	1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	53.66	29.50
22 11 16 00-0854	EA	3/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	60.93	33.68
22 11 16 00-0855	EA	1" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	69.52	37.01
22 11 16 00-0856	EA	1-1/4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	80.22	40.74
22 11 16 00-0857	EA	1-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	97.19	45.27
22 11 16 00-0858	EA	2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	124.38	54.32
22 11 16 00-0859		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0860	EA	2-1/2" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	308.73	139.65
22 11 16 00-0861	EA	3" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	386.60	175.86
22 11 16 00-0862	EA	4" Diameter, Copper x Female Iron Pipe Thread Dielectric Flange	544.23	239.35
22 11 16 00-0863		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0837)*		
22 11 16 00-0864	EA	2-1/2" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	310.72	139.65
22 11 16 00-0865	EA	3" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	402.44	175.86
22 11 16 00-0866	EA	4" Diameter, Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	726.88	239.35
22 11 16 00-0867		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0868	EA	1/4" x 1/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	26.85	12.29
22 11 16 00-0869	EA	3/8" x 3/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	33.50	13.11
22 11 16 00-0870	EA	1/2" x 1/2" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	34.62	14.75
22 11 16 00-0871	EA	5/8" x 5/8" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	39.94	15.73
22 11 16 00-0872	EA	3/4" x 3/4" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	40.66	16.80
22 11 16 00-0873	EA	1" x 1" Diameter, Brass Push-Fit Coupling Note: (Sharkbite)	57.44	20.07
22 11 16 00-0874	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	34.06	13.92
22 11 16 00-0875	EA	3/4" x 5/8" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	39.50	15.24
22 11 16 00-0876	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Coupling Note: (Sharkbite)	59.19	18.44
22 11 16 00-0877	EA	1/4" x 1/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	28.07	12.29
22 11 16 00-0878	EA	3/8" x 3/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	38.68	13.11
22 11 16 00-0879	EA	1/2" x 1/2" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	35.29	14.75
22 11 16 00-0880	EA	5/8" x 5/8" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	42.95	15.73
22 11 16 00-0881	EA	3/4" x 3/4" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	39.80	16.80
22 11 16 00-0882	EA	1" x 1" Diameter, Brass Push-Fit Elbow Note: (Sharkbite)	58.10	20.07
22 11 16 00-0883	EA	1/2" x 3/8" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	33.50	13.92
22 11 16 00-0884	EA	3/4" x 1/2" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	37.36	15.24
22 11 16 00-0885	EA	1" x 3/4" Diameter, Brass Push-Fit Reducing Elbow Note: (Sharkbite)	74.01	18.44
22 11 16 00-0886	EA	1/4" x 1/4" x 1/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	42.59	18.44
22 11 16 00-0887	EA	3/8" x 3/8" x 3/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	54.24	19.67
22 11 16 00-0888	EA	1/2" x 1/2" x 1/2" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	49.33	22.12
22 11 16 00-0889	EA	5/8" x 5/8" x 5/8" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	63.17	23.59
22 11 16 00-0890	EA	3/4" x 3/4" x 3/4" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	57.60	25.19
22 11 16 00-0891	EA	1" x 1" x 1" Diameter, Brass Push-Fit Tee Note: (Sharkbite)	79.10	30.11
22 11 16 00-0892	EA	1/2" x 1/2" x 1/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	55.68	20.89
22 11 16 00-0893	EA	1/2" x 1/2" x 3/8" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	55.97	21.30
22 11 16 00-0894	EA	3/4" x 3/4" x 1/2" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	55.61	24.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0895	EA	1" x 1" x 3/4" Diameter, Brass Push-Fit Reducing Tee Note: (Sharkbite)	76.79	28.47
22 11 16 00-0896	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	32.05	13.52
22 11 16 00-0897	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.62	13.92
22 11 16 00-0898	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	31.17	14.75
22 11 16 00-0899	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	35.70	16.80
22 11 16 00-0900	EA	1" x 1" Diameter, Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	50.47	20.07
22 11 16 00-0901	EA	1/4" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.89	13.52
22 11 16 00-0902	EA	3/8" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.62	13.92
22 11 16 00-0903	EA	1/2" x 1/2" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	31.26	14.75
22 11 16 00-0904	EA	3/4" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	35.33	16.80
22 11 16 00-0905	EA	5/8" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	38.56	16.26
22 11 16 00-0906	EA	1" x 3/4" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	46.35	18.44
22 11 16 00-0907	EA	1" x 1" Diameter, Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	51.24	20.07
22 11 16 00-0908	EA	1/2" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	45.56	14.75
22 11 16 00-0909	EA	3/4" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	53.30	16.80
22 11 16 00-0910	EA	1" Diameter, Brass Push-Fit Ball Valve Note: (Sharkbite)	70.59	20.07
22 11 16 00-0911	EA	1/2" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	48.90	14.75
22 11 16 00-0912	EA	3/4" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	58.94	16.80
22 11 16 00-0913	EA	1" Diameter, Brass Push-Fit Check Valve Note: (Sharkbite)	99.93	20.07

22 11 16 00-0914 Copper Pipe With Fittings And Hangers Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0915	LF	1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	24.77	3.44
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.20*	
		For Work In Restricted Working Space, Add	*5.77*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.16*	
		For For Brazed Fittings, Add	*0.77*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.43*	
		For Type K Tubing Instead Of Type L, Add	*1.74*	
22 11 16 00-0916	LF	3/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	28.82	4.43
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.53*	
		For Work In Restricted Working Space, Add	*6.54*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.62*	
		For For Brazed Fittings, Add	*0.87*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.72*	
		For Type K Tubing Instead Of Type L, Add	*2.10*	
22 11 16 00-0917	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	32.00	5.28
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.74*	
		For Work In Restricted Working Space, Add	*6.85*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.88*	
		For For Brazed Fittings, Add	*0.91*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.01*	
		For Type K Tubing Instead Of Type L, Add	*2.51*	
22 11 16 00-0918	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	36.45	6.15
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.01*	
		For Work In Restricted Working Space, Add	*7.12*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.19*	
		For For Brazed Fittings, Add	*0.95*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.27*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.48*	
		For Type K Tubing Instead Of Type L, Add	*3.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0919	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	40.80	7.01
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.30*	
		For Work In Restricted Working Space, Add	*7.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.57*	
		For For Brazed Fittings, Add	*1.01*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.55*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.87*	
		For Type K Tubing Instead Of Type L, Add	*3.72*	
22 11 16 00-0920	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	52.10	8.73
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.06*	
		For Work In Restricted Working Space, Add	*8.73*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.52*	
		For For Brazed Fittings, Add	*1.16*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.30*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.92*	
		For Type K Tubing Instead Of Type L, Add	*5.17*	
22 11 16 00-0921	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	64.69	10.52
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.80*	
		For Work In Restricted Working Space, Add	*9.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*6.36*	
		For For Brazed Fittings, Add	*1.25*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.35*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.26*	
		For Type K Tubing Instead Of Type L, Add	*7.08*	
22 11 16 00-0922	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	79.27	12.22
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.65*	
		For Work In Restricted Working Space, Add	*10.15*	
		For Silver Solder Instead Of 95/5 Solder, Add	*7.35*	
		For For Brazed Fittings, Add	*1.35*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-4.55*	
		For Type M Tubing Instead Of Type L, Deduct	*-6.81*	
		For Type K Tubing Instead Of Type L, Add	*9.28*	
22 11 16 00-0923	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	124.64	16.18
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.42*	
		For Work In Restricted Working Space, Add	*13.12*	
		For Silver Solder Instead Of 95/5 Solder, Add	*10.61*	
		For For Brazed Fittings, Add	*1.75*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-8.09*	
		For Type M Tubing Instead Of Type L, Deduct	*-11.46*	
		For Type K Tubing Instead Of Type L, Add	*15.86*	
22 11 16 00-0924	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	219.34	20.15
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.77*	
		For Work In Restricted Working Space, Add	*16.84*	
		For Silver Solder Instead Of 95/5 Solder, Add	*16.58*	
		For For Brazed Fittings, Add	*2.25*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-16.32*	
		For Type M Tubing Instead Of Type L, Deduct	*-21.83*	
		For Type K Tubing Instead Of Type L, Add	*30.71*	
22 11 16 00-0925	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	286.52	24.33
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.89*	
		For Work In Restricted Working Space, Add	*21.39*	
		For Silver Solder Instead Of 95/5 Solder, Add	*21.46*	
		For For Brazed Fittings, Add	*2.85*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-21.52*	
		For Type M Tubing Instead Of Type L, Deduct	*-28.68*	
		For Type K Tubing Instead Of Type L, Add	*40.39*	
22 11 16 00-0926	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	605.42	29.08
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.70*	
		For Work In Restricted Working Space, Add	*26.58*	
		For Silver Solder Instead Of 95/5 Solder, Add	*39.13*	
		For For Brazed Fittings, Add	*3.54*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-51.68*	
		For Type M Tubing Instead Of Type L, Deduct	*-65.56*	
		For Type K Tubing Instead Of Type L, Add	*93.68*	

22 11 16 00-0927 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*
Note: Socket weld.

22 11 16 00-0928 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0927)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0929		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe** *(22 11 16 00-0928)*		
22 11 16 00-0930	LF	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.06	1.81
		For Work In Restricted Working Space, Add	*1.35*	
22 11 16 00-0931	LF	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.87	1.90
		For Work In Restricted Working Space, Add	*1.43*	
22 11 16 00-0932	LF	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	8.23	2.04
		For Work In Restricted Working Space, Add	*1.54*	
22 11 16 00-0933	LF	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	9.88	2.23
		For Work In Restricted Working Space, Add	*1.68*	
22 11 16 00-0934	LF	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	11.37	2.47
		For Work In Restricted Working Space, Add	*1.85*	
22 11 16 00-0935	LF	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.09	2.76
		For Work In Restricted Working Space, Add	*2.07*	
22 11 16 00-0936	LF	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	18.85	3.13
		For Work In Restricted Working Space, Add	*2.35*	
22 11 16 00-0937	LF	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	23.97	3.72
		For Work In Restricted Working Space, Add	*2.78*	
22 11 16 00-0938	LF	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	32.98	4.56
		For Work In Restricted Working Space, Add	*3.42*	
22 11 16 00-0939	LF	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	56.23	5.79
		For Work In Restricted Working Space, Add	*4.35*	
22 11 16 00-0940	LF	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	80.56	7.60
		For Work In Restricted Working Space, Add	*5.70*	
22 11 16 00-0941		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(22 11 16 00-0928)*		
22 11 16 00-0942	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	23.92	8.60
		For Work In Restricted Working Space, Add	*6.45*	
22 11 16 00-0943	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	30.92	10.86
		For Work In Restricted Working Space, Add	*8.15*	
22 11 16 00-0944	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	40.01	13.58
		For Work In Restricted Working Space, Add	*10.22*	
22 11 16 00-0945	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	54.01	16.98
		For Work In Restricted Working Space, Add	*12.77*	
22 11 16 00-0946	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	60.00	18.79
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0947	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	69.95	18.79
		For Work In Restricted Working Space, Add	*15.75*	
22 11 16 00-0948	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	105.17	23.87
		For Work In Restricted Working Space, Add	*17.93*	
22 11 16 00-0949	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	119.97	28.30
		For Work In Restricted Working Space, Add	*21.19*	
22 11 16 00-0950	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	169.21	34.74
		For Work In Restricted Working Space, Add	*26.07*	
22 11 16 00-0951	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	213.61	44.13
		For Work In Restricted Working Space, Add	*33.14*	
22 11 16 00-0952	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	397.34	57.94
		For Work In Restricted Working Space, Add	*43.46*	
22 11 16 00-0953		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(22 11 16 00-0928)*		
22 11 16 00-0954	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	25.13	8.60
		For Work In Restricted Working Space, Add	*6.45*	
22 11 16 00-0955	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	32.37	10.86
		For Work In Restricted Working Space, Add	*8.15*	
22 11 16 00-0956	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	42.36	13.58
		For Work In Restricted Working Space, Add	*10.22*	
22 11 16 00-0957	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	57.10	16.98
		For Work In Restricted Working Space, Add	*12.77*	
22 11 16 00-0958	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	63.77	18.79
		For Work In Restricted Working Space, Add	*14.12*	
22 11 16 00-0959	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	71.22	21.05
		For Work In Restricted Working Space, Add	*15.75*	
22 11 16 00-0960	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	105.97	23.87
		For Work In Restricted Working Space, Add	*17.93*	
22 11 16 00-0961	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	119.87	28.30
		For Work In Restricted Working Space, Add	*21.19*	
22 11 16 00-0962	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	154.47	34.74
		For Work In Restricted Working Space, Add	*26.07*	
22 11 16 00-0963	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	241.26	44.13
		For Work In Restricted Working Space, Add	*33.14*	
22 11 16 00-0964	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	416.92	57.94
		For Work In Restricted Working Space, Add	*43.46*	
22 11 16 00-0965		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(22 11 16 00-0928)*		
22 11 16 00-0966	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	36.65	12.90
		For Work In Restricted Working Space, Add	*9.68*	
22 11 16 00-0967	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	47.76	16.29
		For Work In Restricted Working Space, Add	*12.22*	
22 11 16 00-0968	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	59.79	20.48
		For Work In Restricted Working Space, Add	*15.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0969	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	82.04	25.58
		For Work In Restricted Working Space, Add	*19.15*	
22 11 16 00-0970	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	91.48	28.30
		For Work In Restricted Working Space, Add	*21.19*	
22 11 16 00-0971	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	109.88	31.46
		For Work In Restricted Working Space, Add	*23.63*	
22 11 16 00-0972	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	140.75	35.88
		For Work In Restricted Working Space, Add	*26.89*	
22 11 16 00-0973	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	161.55	42.32
		For Work In Restricted Working Space, Add	*31.78*	
22 11 16 00-0974	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	196.08	52.17
		For Work In Restricted Working Space, Add	*39.11*	
22 11 16 00-0975	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	294.07	66.32
		For Work In Restricted Working Space, Add	*49.70*	
22 11 16 00-0976	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	584.84	86.91
		For Work In Restricted Working Space, Add	*65.18*	

22 11 16 00-0977 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0928)*

22 11 16 00-0978	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	46.80	17.20
		For Work In Restricted Working Space, Add	*12.90*	
22 11 16 00-0979	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	60.37	21.73
		For Work In Restricted Working Space, Add	*16.30*	
22 11 16 00-0980	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	75.57	27.28
		For Work In Restricted Working Space, Add	*20.44*	
22 11 16 00-0981	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	100.79	34.06
		For Work In Restricted Working Space, Add	*25.53*	
22 11 16 00-0982	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	112.13	37.69
		For Work In Restricted Working Space, Add	*28.25*	
22 11 16 00-0983	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	131.82	41.99
		For Work In Restricted Working Space, Add	*31.51*	
22 11 16 00-0984	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	163.53	47.76
		For Work In Restricted Working Space, Add	*35.85*	
22 11 16 00-0985	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	189.14	56.47
		For Work In Restricted Working Space, Add	*42.37*	
22 11 16 00-0986	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	230.42	69.49
		For Work In Restricted Working Space, Add	*52.15*	
22 11 16 00-0987	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	331.48	88.39
		For Work In Restricted Working Space, Add	*66.27*	
22 11 16 00-0988	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	606.30	115.89
		For Work In Restricted Working Space, Add	*86.91*	

22 11 16 00-0989 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0928)*

22 11 16 00-0990	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	21.37	7.92
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-0991	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	29.64	10.75
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-0992	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	47.98	14.04
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-0993	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	54.04	15.51
		For Work In Restricted Working Space, Add	*11.65*	
22 11 16 00-0994	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	63.33	17.32
		For Work In Restricted Working Space, Add	*13.00*	
22 11 16 00-0995	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	69.33	19.70
		For Work In Restricted Working Space, Add	*14.80*	
22 11 16 00-0996	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	83.88	23.31
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0997	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	112.76	28.63
		For Work In Restricted Working Space, Add	*21.52*	
22 11 16 00-0998	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	178.48	36.44
		For Work In Restricted Working Space, Add	*27.33*	
22 11 16 00-0999	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	382.39	47.76
		For Work In Restricted Working Space, Add	*35.85*	

22 11 16 00-1000 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0928)*

22 11 16 00-1001	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	23.62	5.66
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-1002	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	30.13	7.92
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-1003	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	37.77	10.75
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-1004	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	47.28	14.04
		For Work In Restricted Working Space, Add	*10.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1005	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	55.08	15.51
		For Work In Restricted Working Space, Add	*11.65*	
22 11 16 00-1006	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	68.50	17.32
		For Work In Restricted Working Space, Add	*13.00*	
22 11 16 00-1007	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	103.12	19.70
		For Work In Restricted Working Space, Add	*14.80*	
22 11 16 00-1008	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	198.76	23.31
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-1009	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	293.15	28.63
		For Work In Restricted Working Space, Add	*21.52*	

22 11 16 00-1010 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0928)*

22 11 16 00-1011	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	17.78	5.66
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-1012	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	24.82	7.92
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-1013	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	35.08	10.75
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-1014	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	47.28	14.04
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-1015	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	55.32	15.51
		For Work In Restricted Working Space, Add	*11.65*	
22 11 16 00-1016	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	65.65	17.32
		For Work In Restricted Working Space, Add	*13.00*	
22 11 16 00-1017	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	91.57	19.70
		For Work In Restricted Working Space, Add	*14.80*	
22 11 16 00-1018	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	109.34	23.31
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-1019	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	158.07	28.63
		For Work In Restricted Working Space, Add	*21.52*	

22 11 16 00-1020 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0928)*

22 11 16 00-1021	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	19.16	5.66
		For Work In Restricted Working Space, Add	*4.25*	
22 11 16 00-1022	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	25.26	7.92
		For Work In Restricted Working Space, Add	*5.98*	
22 11 16 00-1023	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	35.20	10.75
		For Work In Restricted Working Space, Add	*8.05*	
22 11 16 00-1024	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	47.68	14.04
		For Work In Restricted Working Space, Add	*10.52*	
22 11 16 00-1025	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	53.47	15.51
		For Work In Restricted Working Space, Add	*11.65*	
22 11 16 00-1026	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	64.14	17.32
		For Work In Restricted Working Space, Add	*13.00*	
22 11 16 00-1027	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	92.44	19.70
		For Work In Restricted Working Space, Add	*14.80*	
22 11 16 00-1028	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	124.59	23.31
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-1029	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	184.00	28.63
		For Work In Restricted Working Space, Add	*21.52*	

22 11 16 00-1030 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0928)*

22 11 16 00-1031	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	15.99	5.21
		For Work In Restricted Working Space, Add	*3.87*	
22 11 16 00-1032	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	22.47	7.24
		For Work In Restricted Working Space, Add	*5.43*	
22 11 16 00-1033	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	30.21	9.74
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-1034	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	40.68	12.79
		For Work In Restricted Working Space, Add	*9.57*	
22 11 16 00-1035	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	46.36	14.15
		For Work In Restricted Working Space, Add	*10.59*	
22 11 16 00-1036	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	52.21	15.73
		For Work In Restricted Working Space, Add	*11.81*	
22 11 16 00-1037	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	75.59	17.88
		For Work In Restricted Working Space, Add	*13.45*	
22 11 16 00-1038	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	84.04	21.17
		For Work In Restricted Working Space, Add	*15.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1039	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	105.90	26.03
		For Work In Restricted Working Space, Add	*19.56*	
22 11 16 00-1040	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	163.16	33.16
		For Work In Restricted Working Space, Add	*24.85*	
22 11 16 00-1041	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	271.40	43.46
		For Work In Restricted Working Space, Add	*32.59*	
22 11 16 00-1042		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions** *(22 11 16 00-0928)*		
22 11 16 00-1043	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	28.68	6.22
		For Work In Restricted Working Space, Add	*4.65*	
22 11 16 00-1044	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	35.54	8.71
		For Work In Restricted Working Space, Add	*6.52*	
22 11 16 00-1045	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	43.44	11.66
		For Work In Restricted Working Space, Add	*8.76*	
22 11 16 00-1046	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	71.74	15.28
		For Work In Restricted Working Space, Add	*11.48*	
22 11 16 00-1047	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	76.42	16.98
		For Work In Restricted Working Space, Add	*12.70*	
22 11 16 00-1048	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	103.88	18.90
		For Work In Restricted Working Space, Add	*14.19*	
22 11 16 00-1049	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	171.05	21.50
		For Work In Restricted Working Space, Add	*16.13*	
22 11 16 00-1050	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	240.87	25.47
		For Work In Restricted Working Space, Add	*19.08*	
22 11 16 00-1051	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	379.56	31.24
		For Work In Restricted Working Space, Add	*23.46*	
22 11 16 00-1052	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	506.37	39.72
		For Work In Restricted Working Space, Add	*29.81*	
22 11 16 00-1053	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	627.53	52.17
		For Work In Restricted Working Space, Add	*39.11*	
22 11 16 00-1054		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps** *(22 11 16 00-0928)*		
22 11 16 00-1055	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	12.94	5.32
		For Work In Restricted Working Space, Add	*2.42*	
22 11 16 00-1056	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	17.10	6.68
		For Work In Restricted Working Space, Add	*3.05*	
22 11 16 00-1057	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	25.01	8.38
		For Work In Restricted Working Space, Add	*3.83*	
22 11 16 00-1058	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	29.37	6.33
		For Work In Restricted Working Space, Add	*4.79*	
22 11 16 00-1059	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	31.32	7.02
		For Work In Restricted Working Space, Add	*5.30*	
22 11 16 00-1060	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	41.71	7.92
		For Work In Restricted Working Space, Add	*5.91*	
22 11 16 00-1061	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	62.04	8.94
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-1062	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	67.03	10.63
		For Work In Restricted Working Space, Add	*7.94*	
22 11 16 00-1063	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	100.98	13.01
		For Work In Restricted Working Space, Add	*9.78*	
22 11 16 00-1064	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	211.60	16.52
		For Work In Restricted Working Space, Add	*12.43*	
22 11 16 00-1065	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	272.84	21.73
		For Work In Restricted Working Space, Add	*16.30*	
22 11 16 00-1066		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges** *(22 11 16 00-0928)*		
22 11 16 00-1067	EA	1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	22.06	4.08
		For Work In Restricted Working Space, Add	*3.09*	
22 11 16 00-1068	EA	3/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	27.09	5.77
		For Work In Restricted Working Space, Add	*4.35*	
22 11 16 00-1069	EA	1" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	33.50	7.80
		For Work In Restricted Working Space, Add	*5.84*	
22 11 16 00-1070	EA	1-1/4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	40.02	10.18
		For Work In Restricted Working Space, Add	*7.67*	
22 11 16 00-1071	EA	1-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	43.08	11.32
		For Work In Restricted Working Space, Add	*8.49*	
22 11 16 00-1072	EA	2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	51.11	12.57
		For Work In Restricted Working Space, Add	*9.44*	
22 11 16 00-1073	EA	2-1/2" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	66.56	14.37
		For Work In Restricted Working Space, Add	*10.76*	
22 11 16 00-1074	EA	3" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	75.78	16.98
		For Work In Restricted Working Space, Add	*12.70*	
22 11 16 00-1075	EA	4" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	94.56	20.82
		For Work In Restricted Working Space, Add	*15.65*	
22 11 16 00-1076	EA	6" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	132.97	26.48
		For Work In Restricted Working Space, Add	*19.90*	
22 11 16 00-1077	EA	8" Diameter, Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 Lb. Flanges	237.27	34.74
		For Work In Restricted Working Space, Add	*26.07*	

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CSI		MINOR UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1078		Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe *(22 11 16)*		
22 11 16 00-1079		Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1080	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	5.17	1.92
22 11 16 00-1081	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	6.02	2.01
22 11 16 00-1082	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	8.13	2.41
22 11 16 00-1083	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	10.16	2.58
22 11 16 00-1084	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	13.96	2.90
22 11 16 00-1085	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	18.36	2.95
22 11 16 00-1086	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	26.16	4.01
22 11 16 00-1087	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	34.59	4.64
22 11 16 00-1088	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	46.38	5.19
22 11 16 00-1089	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe	54.77	5.74
22 11 16 00-1090		Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm greenpipe®		
22 11 16 00-1091	LF	1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	4.75	1.92
22 11 16 00-1092	LF	3/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	5.33	2.01
22 11 16 00-1093	LF	1" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	6.89	2.41
22 11 16 00-1094	LF	1-1/4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	8.34	2.58
22 11 16 00-1095	LF	1-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	10.79	2.90
22 11 16 00-1096	LF	2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	13.86	2.95
22 11 16 00-1097	LF	2-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	19.23	4.01
22 11 16 00-1098	LF	3" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	25.45	4.64
22 11 16 00-1099	LF	3-1/2" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	34.90	5.19
22 11 16 00-1100	LF	4" Diameter, SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe	41.17	5.74
22 11 16 00-1101		Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm greenpipe®.		
22 11 16 00-1102	LF	1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	5.39	1.92
22 11 16 00-1103	LF	3/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	6.32	2.01
22 11 16 00-1104	LF	1" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	8.46	2.41
22 11 16 00-1105	LF	1-1/4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	10.58	2.58
22 11 16 00-1106	LF	1-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	15.19	2.90
22 11 16 00-1107	LF	2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	19.03	2.95
22 11 16 00-1108	LF	2-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	27.11	4.01
22 11 16 00-1109	LF	3" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	36.97	4.64
22 11 16 00-1110	LF	3-1/2" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	46.25	5.19
22 11 16 00-1111	LF	4" Diameter, SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe	54.40	5.74
22 11 16 00-1112		Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe *(22 11 16 00-1078)*		
		Note: Aquatherm climatherm®.		
22 11 16 00-1113	LF	1/2" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	4.74	1.93
22 11 16 00-1114	LF	3/4" Diameter, SDR 7.4, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	5.41	2.01
22 11 16 00-1115	LF	1" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	6.43	2.41
22 11 16 00-1116	LF	1-1/4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	7.69	2.58
22 11 16 00-1117	LF	1-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	9.62	2.90
22 11 16 00-1118	LF	2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	12.08	2.96
22 11 16 00-1119	LF	2-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	16.79	4.01
22 11 16 00-1120	LF	3" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	22.05	4.64
22 11 16 00-1121	LF	3-1/2" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	29.31	5.19
22 11 16 00-1122	LF	4" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	35.22	5.74
22 11 16 00-1123	LF	6" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	42.40	7.34
22 11 16 00-1124	LF	8" Diameter, SDR 11, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe	67.57	9.63
22 11 16 00-1125		Pipe Clamp For Polypropylene Random (PP-R) Pipe *(22 11 16 00-1078)*		
22 11 16 00-1126	EA	1/2" Diameter Pipe Clamp For Polypropylene Pipe	13.08	4.76
22 11 16 00-1127	EA	3/4" Diameter Pipe Clamp For Polypropylene Pipe	13.62	4.76
22 11 16 00-1128	EA	1" Diameter Pipe Clamp For Polypropylene Pipe	13.99	4.76
22 11 16 00-1129	EA	1-1/4" Diameter Pipe Clamp For Polypropylene Pipe	14.11	4.76
22 11 16 00-1130	EA	1-1/2" Diameter Pipe Clamp For Polypropylene Pipe	14.53	4.76
22 11 16 00-1131	EA	2" Diameter Pipe Clamp For Polypropylene Pipe	15.74	4.76
22 11 16 00-1132	EA	2-1/2" Diameter Pipe Clamp For Polypropylene Pipe	17.49	4.76
22 11 16 00-1133	EA	3" Diameter Pipe Clamp For Polypropylene Pipe	18.09	4.76
22 11 16 00-1134	EA	3-1/2" Diameter Pipe Clamp For Polypropylene Pipe	18.94	4.76
22 11 16 00-1135	EA	4" Diameter Pipe Clamp For Polypropylene Pipe	20.08	4.76
22 11 16 00-1136		Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap *(22 11 16 00-1078)*		
22 11 16 00-1137	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike	4.44	
22 11 16 00-1138	EA	Up to 1" Diameter Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike	4.59	
22 11 16 00-1139	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike	4.66	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1140	EA	Up to 1" Diameter Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike	4.72	
22 11 16 00-1141		**Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp** *(22 11 16 00-1078)*		
22 11 16 00-1142	EA	1/2" Diameter, Polypropylene Pipe Plastic Pipe Clamp	10.54	2.48
22 11 16 00-1143	EA	3/4" Diameter, Polypropylene Pipe Plastic Pipe Clamp	10.91	2.48
22 11 16 00-1144		**Polypropylene Random (PP-R), Heat Fusion, Socket Coupling** *(22 11 16 00-1078)*		
22 11 16 00-1145	EA	1/2" Polypropylene, Heat Fusion, Socket Coupling	9.22	3.84
22 11 16 00-1146	EA	3/4" Polypropylene, Heat Fusion, Socket Coupling	9.74	4.01
22 11 16 00-1147	EA	1" Polypropylene, Heat Fusion, Socket Coupling	11.88	4.82
22 11 16 00-1148	EA	1-1/4" Polypropylene, Heat Fusion, Socket Coupling	13.02	5.16
22 11 16 00-1149	EA	1-1/2" Polypropylene, Heat Fusion, Socket Coupling	17.25	5.80
22 11 16 00-1150	EA	2" Polypropylene, Heat Fusion, Socket Coupling	23.16	5.91
22 11 16 00-1151	EA	2-1/2" Polypropylene, Heat Fusion, Socket Coupling	28.74	8.03
22 11 16 00-1152	EA	3" Polypropylene, Heat Fusion, Socket Coupling	46.47	9.29
22 11 16 00-1153	EA	3-1/2" Polypropylene, Heat Fusion, Socket Coupling	66.12	10.38
22 11 16 00-1154	EA	4" Polypropylene, Heat Fusion, Socket Coupling	82.46	11.47
22 11 16 00-1155		**Polypropylene Random (PP-R), Heat Fusion, Bushing** *(22 11 16 00-1078)*		
22 11 16 00-1156	EA	1" Polypropylene, Heat Fusion, Bushing	9.97	3.84
22 11 16 00-1157	EA	1-1/4" Polypropylene, Heat Fusion, Bushing	11.54	4.01
22 11 16 00-1158	EA	1-1/2" Polypropylene, Heat Fusion, Bushing	15.44	4.82
22 11 16 00-1159	EA	2" Polypropylene, Heat Fusion, Bushing	21.93	5.16
22 11 16 00-1160	EA	2-1/2" Polypropylene, Heat Fusion, Bushing	24.58	5.80
22 11 16 00-1161	EA	3" Polypropylene, Heat Fusion, Bushing	40.76	5.91
22 11 16 00-1162	EA	3-1/2" Polypropylene, Heat Fusion, Bushing	62.32	8.03
22 11 16 00-1163	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Bushing	75.04	9.29
22 11 16 00-1164	EA	4" x 3" Polypropylene, Heat Fusion, Bushing	90.98	10.38
22 11 16 00-1165	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Bushing	95.26	11.47
22 11 16 00-1166		**Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling** *(22 11 16 00-1078)*		
22 11 16 00-1167	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Coupling	13.45	4.01
22 11 16 00-1168	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Coupling	17.81	4.82
22 11 16 00-1169	EA	2" Polypropylene, Heat Fusion, Reducing Coupling	26.64	5.16
22 11 16 00-1170	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Coupling	29.52	5.80
22 11 16 00-1171	EA	3" Polypropylene, Heat Fusion, Reducing Coupling	36.00	5.91
22 11 16 00-1172	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	57.99	8.03
22 11 16 00-1173	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Coupling	75.33	9.75
22 11 16 00-1174	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling	84.39	11.47
22 11 16 00-1175		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1176	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	17.01	7.69
22 11 16 00-1177	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Elbow	18.29	8.08
22 11 16 00-1178	EA	1" Polypropylene, Heat Fusion, 90 Degree Elbow	22.31	9.63
22 11 16 00-1179	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow	25.44	10.38
22 11 16 00-1180	EA	1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	33.14	11.53
22 11 16 00-1181	EA	2" Polypropylene, Heat Fusion, 90 Degree Elbow	38.99	11.76
22 11 16 00-1182	EA	2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	66.57	16.12
22 11 16 00-1183	EA	3" Polypropylene, Heat Fusion, 90 Degree Elbow	94.23	18.58
22 11 16 00-1184	EA	3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow	122.57	20.76
22 11 16 00-1185	EA	4" Polypropylene, Heat Fusion, 90 Degree Elbow	170.75	22.94
22 11 16 00-1186		**Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1187	EA	1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow	17.01	7.69
22 11 16 00-1188	EA	3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	18.29	8.08
22 11 16 00-1189	EA	1" Polypropylene, Heat Fusion, 90 Degree Street Elbow	22.31	9.63
22 11 16 00-1190	EA	1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow	25.44	10.38
22 11 16 00-1191		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1192	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	17.01	7.69
22 11 16 00-1193	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Elbow	18.29	8.08
22 11 16 00-1194	EA	1" Polypropylene, Heat Fusion, 45 Degree Elbow	22.31	9.63
22 11 16 00-1195	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow	25.44	10.38
22 11 16 00-1196	EA	1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	33.14	11.53
22 11 16 00-1197	EA	2" Polypropylene, Heat Fusion, 45 Degree Elbow	38.81	11.76
22 11 16 00-1198	EA	2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	66.15	16.12
22 11 16 00-1199	EA	3" Polypropylene, Heat Fusion, 45 Degree Elbow	99.79	18.58
22 11 16 00-1200	EA	3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow	130.69	20.76
22 11 16 00-1201	EA	4" Polypropylene, Heat Fusion, 45 Degree Elbow	183.20	22.94
22 11 16 00-1202		**Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow** *(22 11 16 00-1078)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1203	EA	1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow	16.99	7.69
22 11 16 00-1204	EA	3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	18.29	8.08
22 11 16 00-1205	EA	1" Polypropylene, Heat Fusion, 45 Degree Street Elbow	22.31	9.63
22 11 16 00-1206	EA	1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow	25.44	10.38
22 11 16 00-1207		**Polypropylene Random (PP-R), Heat Fusion, Tee** *(22 11 16 00-1078)*		
22 11 16 00-1208	EA	1/2" Polypropylene, Heat Fusion, Tee	25.27	11.53
22 11 16 00-1209	EA	3/4" Polypropylene, Heat Fusion, Tee	27.24	12.10
22 11 16 00-1210	EA	1" Polypropylene, Heat Fusion, Tee	32.66	14.39
22 11 16 00-1211	EA	1-1/4" Polypropylene, Heat Fusion, Tee	36.99	15.54
22 11 16 00-1212	EA	1-1/2" Polypropylene, Heat Fusion, Tee	51.49	17.32
22 11 16 00-1213	EA	2" Polypropylene, Heat Fusion, Tee	59.47	17.67
22 11 16 00-1214	EA	2-1/2" Polypropylene, Heat Fusion, Tee	88.73	24.15
22 11 16 00-1215	EA	3" Polypropylene, Heat Fusion, Tee	122.51	27.87
22 11 16 00-1216	EA	3-1/2" Polypropylene, Heat Fusion, Tee	166.32	31.12
22 11 16 00-1217	EA	4" Polypropylene, Heat Fusion, Tee	207.06	34.35
22 11 16 00-1218		**Polypropylene Random (PP-R), Heat Fusion, Reducing Tee** *(22 11 16 00-1078)*		
22 11 16 00-1219	EA	1/2" Polypropylene, Heat Fusion, Reducing Tee	25.27	11.53
22 11 16 00-1220	EA	3/4" Polypropylene, Heat Fusion, Reducing Tee	27.24	12.10
22 11 16 00-1221	EA	1" Polypropylene, Heat Fusion, Reducing Tee	32.61	14.39
22 11 16 00-1222	EA	1-1/4" Polypropylene, Heat Fusion, Reducing Tee	36.99	15.54
22 11 16 00-1223	EA	1-1/2" Polypropylene, Heat Fusion, Reducing Tee	51.49	17.32
22 11 16 00-1224	EA	2" Polypropylene, Heat Fusion, Reducing Tee	58.01	17.67
22 11 16 00-1225	EA	2-1/2" Polypropylene, Heat Fusion, Reducing Tee	85.27	24.15
22 11 16 00-1226	EA	3" Polypropylene, Heat Fusion, Reducing Tee	129.88	27.87
22 11 16 00-1227	EA	3-1/2" Polypropylene, Heat Fusion, Reducing Tee	178.08	31.12
22 11 16 00-1228	EA	4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee	202.88	34.35
22 11 16 00-1229	EA	4" x 3" Polypropylene, Heat Fusion, Reducing Tee	207.53	34.35
22 11 16 00-1230	EA	4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee	208.06	34.35
22 11 16 00-1231		**Polypropylene Random (PP-R), Heat Fusion, End Cap** *(22 11 16 00-1078)*		
22 11 16 00-1232	EA	1/2" Polypropylene, Heat Fusion, End Cap	10.09	3.84
22 11 16 00-1233	EA	3/4" Polypropylene, Heat Fusion, End Cap	11.07	4.01
22 11 16 00-1234	EA	1" Polypropylene, Heat Fusion, End Cap	13.32	4.82
22 11 16 00-1235	EA	1-1/4" Polypropylene, Heat Fusion, End Cap	16.13	5.16
22 11 16 00-1236	EA	1-1/2" Polypropylene, Heat Fusion, End Cap	19.59	5.80
22 11 16 00-1237	EA	2" Polypropylene, Heat Fusion, End Cap	25.23	5.91
22 11 16 00-1238	EA	2-1/2" Polypropylene, Heat Fusion, End Cap	35.49	8.03
22 11 16 00-1239	EA	3" Polypropylene, Heat Fusion, End Cap	62.49	9.29
22 11 16 00-1240	EA	3-1/2" Polypropylene, Heat Fusion, End Cap	73.58	10.38
22 11 16 00-1241	EA	4" Polypropylene, Heat Fusion, End Cap	103.38	11.47
22 11 16 00-1242		**Polypropylene Random (PP-R), Heat Fusion Outlet** *(22 11 16 00-1078)*		
22 11 16 00-1243	EA	1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet	12.64	
22 11 16 00-1244	EA	1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet	12.98	
22 11 16 00-1245	EA	1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	13.21	
22 11 16 00-1246	EA	1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	13.55	
22 11 16 00-1247	EA	2" x 1/2" Polypropylene, Heat Fusion Outlet	14.15	
22 11 16 00-1248	EA	2" x 3/4" Polypropylene, Heat Fusion Outlet	14.49	
22 11 16 00-1249	EA	2" x 1" Polypropylene, Heat Fusion Outlet	16.21	
22 11 16 00-1250	EA	2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	15.10	
22 11 16 00-1251	EA	2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	15.44	
22 11 16 00-1252	EA	2-1/2" x 1" Polypropylene, Heat Fusion Outlet	17.16	
22 11 16 00-1253	EA	2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	17.97	
22 11 16 00-1254	EA	3" x 1/2" Polypropylene, Heat Fusion Outlet	16.04	
22 11 16 00-1255	EA	3" x 3/4" Polypropylene, Heat Fusion Outlet	16.38	
22 11 16 00-1256	EA	3" x 1" Polypropylene, Heat Fusion Outlet	18.10	
22 11 16 00-1257	EA	3" x 1-1/4" Polypropylene, Heat Fusion Outlet	18.91	
22 11 16 00-1258	EA	3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet	16.04	
22 11 16 00-1259	EA	3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet	17.32	
22 11 16 00-1260	EA	3-1/2" x 1" Polypropylene, Heat Fusion Outlet	19.04	
22 11 16 00-1261	EA	3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet	19.85	
22 11 16 00-1262	EA	3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet	23.49	
22 11 16 00-1263	EA	4" x 1/2" Polypropylene, Heat Fusion Outlet	17.93	
22 11 16 00-1264	EA	4" x 3/4" Polypropylene, Heat Fusion Outlet	18.27	
22 11 16 00-1265	EA	4" x 1" Polypropylene, Heat Fusion Outlet	19.99	
22 11 16 00-1266	EA	4" x 1-1/4" Polypropylene, Heat Fusion Outlet	20.80	
22 11 16 00-1267	EA	4" x 1-1/2" Polypropylene, Heat Fusion Outlet	23.49	
22 11 16 00-1268	EA	4" x 2" Polypropylene, Heat Fusion Outlet	27.71	
22 11 16 00-1269		**Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included** *(22 11 16 00-1078)*		
22 11 16 00-1270	EA	1" Polypropylene, Flange Adaptor With Gaskets Included	14.93	4.82
22 11 16 00-1271	EA	1-1/4" Polypropylene, Flange Adaptor With Gaskets Included	16.57	5.16
22 11 16 00-1272	EA	1-1/2" Polypropylene, Flange Adaptor With Gaskets Included	21.36	5.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1273	EA	2" Polypropylene, Flange Adaptor With Gaskets Included	22.85	5.91
22 11 16 00-1274	EA	2-1/2" Polypropylene, Flange Adaptor With Gaskets Included	31.49	8.03
22 11 16 00-1275	EA	3" Polypropylene, Flange Adaptor With Gaskets Included	49.97	9.29
22 11 16 00-1276	EA	3-1/2" Polypropylene, Flange Adaptor With Gaskets Included	67.52	10.38
22 11 16 00-1277	EA	4" Polypropylene, Flange Adaptor With Gaskets Included	142.04	11.47
22 11 16 00-1278		**Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern** *(22 11 16 00-1078)*		
22 11 16 00-1279	EA	1" Polypropylene, Flange Ring With ANSI Bolt Pattern	25.05	
22 11 16 00-1280	EA	1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern	33.07	
22 11 16 00-1281	EA	1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	41.27	
22 11 16 00-1282	EA	2" Polypropylene, Flange Ring With ANSI Bolt Pattern	49.03	
22 11 16 00-1283	EA	2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	68.54	
22 11 16 00-1284	EA	3" Polypropylene, Flange Ring With ANSI Bolt Pattern	79.57	
22 11 16 00-1285	EA	3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern	98.55	
22 11 16 00-1286	EA	4" Polypropylene, Flange Ring With ANSI Bolt Pattern	119.34	
22 11 16 00-1287		**Polypropylene Random (PP-R), Electrofusion Coupling** *(22 11 16 00-1078)*		
22 11 16 00-1288	EA	1/2" Polypropylene, Electrofusion Coupling	54.85	7.69
22 11 16 00-1289	EA	3/4" Polypropylene, Electrofusion Coupling	57.21	8.08
22 11 16 00-1290	EA	1" Polypropylene, Electrofusion Coupling	65.22	9.63
22 11 16 00-1291	EA	1-1/4" Polypropylene, Electrofusion Coupling	67.45	10.38
22 11 16 00-1292	EA	1-1/2" Polypropylene, Electrofusion Coupling	73.42	11.53
22 11 16 00-1293	EA	2" Polypropylene, Electrofusion Coupling	96.52	11.76
22 11 16 00-1294	EA	2-1/2" Polypropylene, Electrofusion Coupling	118.76	16.12
22 11 16 00-1295	EA	3" Polypropylene, Electrofusion Coupling	147.59	18.58
22 11 16 00-1296	EA	3-1/2" Polypropylene, Electrofusion Coupling	198.34	20.76
22 11 16 00-1297	EA	4" Polypropylene, Electrofusion Coupling	243.26	22.94
22 11 16 00-1298		**Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1299	EA	1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	29.89	10.55
22 11 16 00-1300	EA	3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow	35.04	10.95
22 11 16 00-1301		**Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1302	EA	1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow	32.00	10.55
22 11 16 00-1303		**Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test** *(22 11 16 00-1078)*		
22 11 16 00-1304	EA	1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	8.88	3.84
22 11 16 00-1305	EA	3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test	9.58	4.01
22 11 16 00-1306		**Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1307	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	22.89	7.69
22 11 16 00-1308	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	25.27	7.69
22 11 16 00-1309	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	23.70	8.08
22 11 16 00-1310	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	26.08	8.08
22 11 16 00-1311	EA	1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece	30.16	9.63
22 11 16 00-1312		**Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1313	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	27.16	7.69
22 11 16 00-1314	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	29.18	7.69
22 11 16 00-1315	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	27.97	8.08
22 11 16 00-1316	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	29.99	8.08
22 11 16 00-1317	EA	1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	35.18	9.63
22 11 16 00-1318	EA	1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	51.58	9.63
22 11 16 00-1319	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	54.68	10.38
22 11 16 00-1320	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	71.80	10.38
22 11 16 00-1321	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	75.80	11.53
22 11 16 00-1322	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	82.26	11.53
22 11 16 00-1323	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	88.36	11.76
22 11 16 00-1324	EA	2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	115.18	11.76
22 11 16 00-1325	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece	127.93	16.12
22 11 16 00-1326		**Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1327	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	33.07	7.69
22 11 16 00-1328	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	35.60	7.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1329	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	33.88	8.08
22 11 16 00-1330	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	36.41	8.08
22 11 16 00-1331	EA	1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece	43.16	9.63
22 11 16 00-1332		**Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece** *(22 11 16 00-1078)*		
22 11 16 00-1333	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	28.35	7.69
22 11 16 00-1334	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	30.20	7.69
22 11 16 00-1335	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	31.01	8.08
22 11 16 00-1336	EA	1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	44.13	9.63
22 11 16 00-1337	EA	1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	61.13	9.63
22 11 16 00-1338	EA	1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	46.53	10.38
22 11 16 00-1339	EA	1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	65.29	10.38
22 11 16 00-1340	EA	1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	69.06	11.53
22 11 16 00-1341	EA	1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	79.73	11.53
22 11 16 00-1342	EA	2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	90.65	11.76
22 11 16 00-1343	EA	2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	102.03	11.76
22 11 16 00-1344	EA	2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	112.64	16.12
22 11 16 00-1345	EA	2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	152.60	16.12
22 11 16 00-1346	EA	3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	224.88	18.58
22 11 16 00-1347	EA	3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece	426.37	20.76
22 11 16 00-1348		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1349	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	28.50	7.69
22 11 16 00-1350	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	24.15	7.69
22 11 16 00-1351	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	29.31	8.08
22 11 16 00-1352	EA	3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	24.96	8.08
22 11 16 00-1353	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	33.81	9.63
22 11 16 00-1354	EA	1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow	50.73	9.63
22 11 16 00-1355		**Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1356	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow	24.15	7.69
22 11 16 00-1357		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow** *(22 11 16 00-1078)*		
22 11 16 00-1358	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	26.33	7.69
22 11 16 00-1359	EA	1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	27.73	7.69
22 11 16 00-1360	EA	3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	28.54	8.08
22 11 16 00-1361	EA	1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	35.42	9.63
22 11 16 00-1362	EA	1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow	47.99	9.63
22 11 16 00-1363		**Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1364	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	33.45	11.53
22 11 16 00-1365	EA	1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	36.90	11.53
22 11 16 00-1366	EA	3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee	34.59	12.10
22 11 16 00-1367	EA	3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	38.04	12.10
22 11 16 00-1368	EA	1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee	44.94	14.39
22 11 16 00-1369	EA	1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	60.39	14.39
22 11 16 00-1370	EA	1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee	70.22	17.32
22 11 16 00-1371		**Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee** *(22 11 16 00-1078)*		
22 11 16 00-1372	EA	1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee	35.77	11.53
22 11 16 00-1373		**Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting** *(22 11 16 00-1078)*		
22 11 16 00-1374	EA	1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting	24.34	3.84
22 11 16 00-1375		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1376	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	21.41	
22 11 16 00-1377	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	27.24	
22 11 16 00-1378	EA	1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT	37.35	
22 11 16 00-1379		**Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT** *(22 11 16 00-1078)*		
22 11 16 00-1380	EA	1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	24.78	
22 11 16 00-1381	EA	3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT	33.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1382		**Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor** *(22 11 16 00-1078)*		
22 11 16 00-1383	EA	1/2" Polypropylene, Heat Fusion, PEX Adaptor	17.45	3.84
22 11 16 00-1384	EA	3/4" Polypropylene, Heat Fusion, PEX Adaptor	25.82	4.01
22 11 16 00-1385	EA	1" Polypropylene, Heat Fusion, PEX Adaptor	33.74	4.82
22 11 16 00-1386		**Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body** *(22 11 16 00-1078)*		
22 11 16 00-1387	EA	1/2" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	24.39	8.43
22 11 16 00-1388	EA	3/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	25.31	8.89
22 11 16 00-1389	EA	1" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	35.50	10.55
22 11 16 00-1390	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, FIP Stop Valve Body	53.62	11.41
22 11 16 00-1391		**Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve** *(22 11 16 00-1078)*		
22 11 16 00-1392	EA	1/2" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	67.87	8.43
22 11 16 00-1393	EA	3/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	68.79	8.89
22 11 16 00-1394	EA	1" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	82.19	10.55
22 11 16 00-1395	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Inclined Check Valve	133.79	11.41
22 11 16 00-1396		**Polypropylene Random (PP-R), Heat Fusion, Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1397	EA	1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	62.87	8.43
22 11 16 00-1398	EA	3/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	69.59	8.89
22 11 16 00-1399	EA	1" Diameter, Polypropylene, Heat Fusion, Ball Valve	84.36	10.55
22 11 16 00-1400	EA	1-1/4" Diameter, Polypropylene, Heat Fusion, Ball Valve	118.48	11.41
22 11 16 00-1401	EA	1-1/2" Diameter, Polypropylene, Heat Fusion, Ball Valve	171.55	12.68
22 11 16 00-1402	EA	2" Diameter, Polypropylene, Heat Fusion, Ball Valve	259.75	12.96
22 11 16 00-1403		**Extension For Ball Valve** *(22 11 16 00-1078)*		
22 11 16 00-1404	EA	Extension For 1/2" to 3/4" Diameter Ball Valve, 1-3/8" Length	32.01	
22 11 16 00-1405	EA	Extension For 1" to 1-1/4" Diameter Ball Valve, 1-3/8" Length	32.06	
22 11 16 00-1406	EA	Extension For 1-1/2" to 2" Diameter Ball Valve, 1-3/4" Length	35.02	
22 11 16 00-1407		**Polypropylene Random (PP-R), Heat Fusion, Draining Branch** *(22 11 16 00-1078)*		
22 11 16 00-1408	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	31.12	7.69
22 11 16 00-1409	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	31.93	8.08
22 11 16 00-1410	EA	1" Polypropylene, Heat Fusion, Draining Branch	36.69	9.63
22 11 16 00-1411	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	38.18	10.38
22 11 16 00-1412	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	41.93	11.53
22 11 16 00-1413	EA	2" Polypropylene, Heat Fusion, Draining Branch	44.91	11.76
22 11 16 00-1414		**Red Brass Pipe And Fittings** *(22 11 16)* Note: ASTM B43 And B251 (Pipe), ASME B16.15.		
22 11 16 00-1415		**Schedule 40 Red Brass Pipe** *(22 11 16 00-1414)*		
22 11 16 00-1416	LF	1/2" Diameter, Schedule 40 Red Brass Pipe	30.44	2.38
22 11 16 00-1417	LF	3/4" Diameter, Schedule 40 Red Brass Pipe	40.30	2.38
22 11 16 00-1418	LF	1" Diameter, Schedule 40 Red Brass Pipe	54.96	2.38
22 11 16 00-1419	LF	1-1/4" Diameter, Schedule 40 Red Brass Pipe	80.56	2.60
22 11 16 00-1420	LF	1-1/2" Diameter, Schedule 40 Red Brass Pipe	92.76	2.83
22 11 16 00-1421	LF	2" Diameter, Schedule 40 Red Brass Pipe	118.87	3.39
22 11 16 00-1422	LF	2-1/2" Diameter, Schedule 40 Red Brass Pipe	172.84	3.85
22 11 16 00-1423	LF	3" Diameter, Schedule 40 Red Brass Pipe	244.13	4.08
22 11 16 00-1424	LF	4" Diameter, Schedule 40 Red Brass Pipe	349.89	4.08
22 11 16 00-1425		**125 LB Cast Bronze, Screwed, 90 Degree Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1426	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	65.76	28.17
22 11 16 00-1427	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	74.55	31.00
22 11 16 00-1428	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	93.69	36.66
22 11 16 00-1429	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	111.94	39.38
22 11 16 00-1430	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	125.43	42.21
22 11 16 00-1431	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	156.23	45.04
22 11 16 00-1432	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	265.37	56.36
22 11 16 00-1433	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	368.39	67.57
22 11 16 00-1434	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	652.40	90.08
22 11 16 00-1435		**125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1436	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	68.91	28.17
22 11 16 00-1437	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	79.13	31.00
22 11 16 00-1438	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	103.27	36.66
22 11 16 00-1439	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	124.51	39.38
22 11 16 00-1440	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	142.73	42.21
22 11 16 00-1441	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	194.00	45.04
22 11 16 00-1442	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	296.84	56.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1443	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	465.12	67.57
22 11 16 00-1444	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	926.12	90.08
22 11 16 00-1445		**125 LB Cast Bronze, Screwed, 45 Degree Elbows** *(22 11 16 00-1414)*		
22 11 16 00-1446	EA	1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	67.36	28.17
22 11 16 00-1447	EA	3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	77.68	31.00
22 11 16 00-1448	EA	1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	99.99	36.66
22 11 16 00-1449	EA	1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	121.38	39.38
22 11 16 00-1450	EA	1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	138.00	42.21
22 11 16 00-1451	EA	2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	176.68	45.04
22 11 16 00-1452	EA	2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	277.91	56.36
22 11 16 00-1453	EA	3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	389.87	67.57
22 11 16 00-1454	EA	4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	862.52	90.08
22 11 16 00-1455		**125 Lb. Cast Bronze, Screwed, Tees** *(22 11 16 00-1414)*		
22 11 16 00-1456	EA	1/2", 125 Lb., Cast Bronze, Screwed, Tee	95.52	42.21
22 11 16 00-1457	EA	3/4", 125 Lb., Cast Bronze, Screwed, Tee	108.09	46.17
22 11 16 00-1458	EA	1", 125 Lb., Cast Bronze, Screwed, Tee	137.62	54.66
22 11 16 00-1459	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Tee	167.09	59.19
22 11 16 00-1460	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Tee	181.26	63.03
22 11 16 00-1461	EA	2", 125 Lb., Cast Bronze, Screwed, Tee	226.46	67.57
22 11 16 00-1462	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Tee	376.74	84.53
22 11 16 00-1463	EA	3", 125 Lb., Cast Bronze, Screwed, Tee	520.38	101.40
22 11 16 00-1464	EA	4", 125 Lb., Cast Bronze, Screwed, Tee	1,057.31	135.12
22 11 16 00-1465		**125 Lb. Cast Bronze, Screwed, Reducing Tees** *(22 11 16 00-1414)*		
22 11 16 00-1466	EA	1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	100.23	42.21
22 11 16 00-1467	EA	3/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	111.27	46.17
22 11 16 00-1468	EA	1", 125 Lb., Cast Bronze, Screwed, Reducing Tee	150.21	54.66
22 11 16 00-1469	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	176.53	59.19
22 11 16 00-1470	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	206.44	63.03
22 11 16 00-1471	EA	2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	265.81	67.57
22 11 16 00-1472	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Reducing Tee	453.26	84.53
22 11 16 00-1473	EA	3", 125 Lb., Cast Bronze, Screwed, Reducing Tee	852.93	101.40
22 11 16 00-1474	EA	4", 125 Lb., Cast Bronze, Screwed, Reducing Tee	1,319.62	135.12
22 11 16 00-1475		**125 Lb. Cast Bronze, Screwed, Crosses** *(22 11 16 00-1414)*		
22 11 16 00-1476	EA	1/2", 125 Lb., Cast Bronze, Screwed, Cross	134.70	56.36
22 11 16 00-1477	EA	3/4", 125 Lb., Cast Bronze, Screwed, Cross	155.39	61.91
22 11 16 00-1478	EA	1", 125 Lb., Cast Bronze, Screwed, Cross	195.25	73.22
22 11 16 00-1479	EA	1-1/4", 125 Lb., Cast Bronze, Screwed, Cross	240.29	78.87
22 11 16 00-1480	EA	1-1/2", 125 Lb., Cast Bronze, Screwed, Cross	282.72	84.53
22 11 16 00-1481	EA	2", 125 Lb., Cast Bronze, Screwed, Cross	407.66	90.08
22 11 16 00-1482	EA	2-1/2", 125 Lb., Cast Bronze, Screwed, Cross	655.57	112.61
22 11 16 00-1483	EA	3", 125 Lb., Cast Bronze, Screwed, Cross	901.51	135.12
22 11 16 00-1484	EA	4", 125 Lb., Cast Bronze, Screwed, Cross	1,651.31	180.27
22 11 16 00-1485		**125 Lb. Cast Bronze, Screwed, Caps** *(22 11 16 00-1414)*		
22 11 16 00-1486	EA	1/2" 125 Lb. Cast Bronze, Screwed, Cap	31.62	16.75
22 11 16 00-1487	EA	3/4" 125 Lb. Cast Bronze, Screwed, Cap	35.77	18.45
22 11 16 00-1488	EA	1" 125 Lb. Cast Bronze, Screwed, Cap	47.24	21.73
22 11 16 00-1489	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Cap	60.65	23.42
22 11 16 00-1490	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Cap	71.10	25.12
22 11 16 00-1491	EA	2" 125 Lb. Cast Bronze, Screwed, Cap	97.22	26.82
22 11 16 00-1492	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Cap	154.55	33.50
22 11 16 00-1493	EA	3" 125 Lb. Cast Bronze, Screwed, Cap	221.41	40.18
22 11 16 00-1494	EA	4" 125 Lb. Cast Bronze, Screwed, Cap	387.33	53.53
22 11 16 00-1495		**125 Lb. Cast Bronze, Screwed, Couplings** *(22 11 16 00-1414)*		
22 11 16 00-1496	EA	1/2" 125 Lb. Cast Bronze, Screwed, Coupling	64.21	28.17
22 11 16 00-1497	EA	3/4" 125 Lb. Cast Bronze, Screwed, Coupling	73.00	31.00
22 11 16 00-1498	EA	1" 125 Lb. Cast Bronze, Screwed, Coupling	92.11	36.66
22 11 16 00-1499	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Coupling	110.34	39.38
22 11 16 00-1500	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	125.43	42.21
22 11 16 00-1501	EA	2" 125 Lb. Cast Bronze, Screwed, Coupling	157.81	45.04
22 11 16 00-1502	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Coupling	222.84	56.36
22 11 16 00-1503	EA	3" 125 Lb. Cast Bronze, Screwed, Coupling	287.89	67.57
22 11 16 00-1504	EA	4" 125 Lb. Cast Bronze, Screwed, Coupling	495.00	90.08
22 11 16 00-1505		**125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers** *(22 11 16 00-1414)*		
22 11 16 00-1506	EA	1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	56.60	22.53
22 11 16 00-1507	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	64.63	25.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1508	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	87.69	33.83
22 11 16 00-1509	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	104.60	36.66
22 11 16 00-1510	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	118.40	39.38
22 11 16 00-1511	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	142.98	42.21
22 11 16 00-1512	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	208.07	53.53
22 11 16 00-1513	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	252.29	61.91
22 11 16 00-1514	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	437.88	81.70
22 11 16 00-1515		**125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1414)*		
22 11 16 00-1516	EA	3/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	57.90	22.53
22 11 16 00-1517	EA	1" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	104.24	31.00
22 11 16 00-1518	EA	1-1/4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	136.50	33.83
22 11 16 00-1519	EA	1-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	159.70	36.66
22 11 16 00-1520	EA	2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	212.79	42.21
22 11 16 00-1521	EA	2-1/2" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	327.10	53.53
22 11 16 00-1522	EA	3" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	394.91	56.36
22 11 16 00-1523	EA	4" Diameter, 125 Lb. Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	448.68	73.22
22 11 16 00-1524		**125 Lb. Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1414)*		
22 11 16 00-1525	EA	1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	70.24	22.53
		For 150 Lb., Add	*10.07*	
22 11 16 00-1526	EA	3/4" 125 Lb. Cast Bronze, FIP Threaded, Union	84.18	24.78
		For 150 Lb., Add	*13.85*	
22 11 16 00-1527	EA	1" 125 Lb. Cast Bronze, FIP Threaded, Union	104.23	29.31
		For 150 Lb., Add	*18.26*	
22 11 16 00-1528	EA	1-1/4" 125 Lb. Cast Bronze, FIP Threaded, Union	129.17	31.58
		For 150 Lb., Add	*26.43*	
22 11 16 00-1529	EA	1-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	146.32	33.83
		For 150 Lb., Add	*31.49*	
22 11 16 00-1530	EA	2" 125 Lb. Cast Bronze, FIP Threaded, Union	172.77	38.25
		For 150 Lb., Add	*38.47*	
22 11 16 00-1531	EA	2-1/2" 125 Lb. Cast Bronze, FIP Threaded, Union	298.07	56.58
		For 150 Lb., Add	*73.96*	
		For 250 Lb., Add	*157.17*	
		For 300 Lb., Add	*221.88*	
22 11 16 00-1532	EA	3" 125 Lb. Cast Bronze, FIP Threaded, Union	434.49	74.41
		For 150 Lb., Add	*114.27*	
		For 250 Lb., Add	*242.82*	
		For 300 Lb., Add	*342.80*	
22 11 16 00-1533	EA	4" 125 Lb. Cast Bronze, FIP Threaded, Union	795.02	82.39
		For 150 Lb., Add	*252.05*	
		For 250 Lb., Add	*535.61*	
		For 300 Lb., Add	*756.16*	
22 11 16 00-1534		**125 Lb. Cast Bronze, Screwed, Companion Flanges** *(22 11 16 00-1414)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-1535	EA	1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	195.85	28.17
22 11 16 00-1536	EA	3/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	213.55	33.83
22 11 16 00-1537	EA	1" 125 Lb. Cast Bronze, Screwed, Companion Flange	244.81	39.38
22 11 16 00-1538	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Companion Flange	279.08	42.21
22 11 16 00-1539	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	330.48	45.04
22 11 16 00-1540	EA	2" 125 Lb. Cast Bronze, Screwed, Companion Flange	416.28	47.87
22 11 16 00-1541	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Companion Flange	524.73	56.36
22 11 16 00-1542	EA	3" 125 Lb. Cast Bronze, Screwed, Companion Flange	650.18	70.40
22 11 16 00-1543	EA	4" 125 Lb. Cast Bronze, Screwed, Companion Flange	926.84	98.57
22 11 16 00-1544		**125 Lb. Cast Bronze, Screwed, Square Head Plugs** *(22 11 16 00-1414)*		
22 11 16 00-1545	EA	1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	19.35	
22 11 16 00-1546	EA	3/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	19.93	
22 11 16 00-1547	EA	1" 125 Lb. Cast Bronze, Screwed, Square Head Plug	30.69	
22 11 16 00-1548	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	35.43	
22 11 16 00-1549	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	40.31	
22 11 16 00-1550	EA	2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	60.54	
22 11 16 00-1551	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Square Head Plug	91.58	
22 11 16 00-1552	EA	3" 125 Lb. Cast Bronze, Screwed, Square Head Plug	134.07	
22 11 16 00-1553	EA	4" 125 Lb. Cast Bronze, Screwed, Square Head Plug	225.50	
22 11 16 00-1554		**125 Lb. Cast Bronze, Screwed, Counter Sunk Plugs** *(22 11 16 00-1414)*		
22 11 16 00-1555	EA	1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	7.89	
22 11 16 00-1556	EA	3/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	9.44	
22 11 16 00-1557	EA	1" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	14.19	
22 11 16 00-1558	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	22.05	
22 11 16 00-1559	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	34.92	
22 11 16 00-1560	EA	2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	54.12	
22 11 16 00-1561	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	105.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1562	EA	3" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	170.59	
22 11 16 00-1563	EA	4" 125 Lb. Cast Bronze, Screwed, Counter Sunk Plug	416.06	
22 11 16 00-1564		125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings *(22 11 16 00-1414)*		
22 11 16 00-1565	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	6.28	
22 11 16 00-1566	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	7.89	
22 11 16 00-1567	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	11.04	
22 11 16 00-1568	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	18.90	
22 11 16 00-1569	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	26.78	
22 11 16 00-1570	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	33.09	
22 11 16 00-1571	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	83.43	
22 11 16 00-1572	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	122.81	
22 11 16 00-1573	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	268.99	
22 11 16 00-1574		125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings *(22 11 16 00-1414)*		
22 11 16 00-1575	EA	1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	11.04	
22 11 16 00-1576	EA	3/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	15.72	
22 11 16 00-1577	EA	1" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	27.41	
22 11 16 00-1578	EA	1-1/4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	37.22	
22 11 16 00-1579	EA	1-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	46.53	
22 11 16 00-1580	EA	2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	58.63	
22 11 16 00-1581	EA	2-1/2" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	119.70	
22 11 16 00-1582	EA	3" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	189.39	
22 11 16 00-1583	EA	4" 125 Lb. Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	397.98	
22 11 16 00-1584		1/2" Red Brass Pipe Nipples *(22 11 16 00-1414)* Note: Threaded both ends.		
22 11 16 00-1585	EA	1/2" Diameter x Close, Red Brass Pipe Nipple	10.57	
22 11 16 00-1586	EA	1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	12.37	
22 11 16 00-1587	EA	1/2" Diameter x 2" Long, Red Brass Pipe Nipple	15.15	
22 11 16 00-1588	EA	1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	18.00	
22 11 16 00-1589	EA	1/2" Diameter x 3" Long, Red Brass Pipe Nipple	20.85	
22 11 16 00-1590	EA	1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	24.61	
22 11 16 00-1591	EA	1/2" Diameter x 4" Long, Red Brass Pipe Nipple	27.60	
22 11 16 00-1592	EA	1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	30.31	
22 11 16 00-1593	EA	1/2" Diameter x 5" Long, Red Brass Pipe Nipple	33.16	
22 11 16 00-1594	EA	1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	36.29	
22 11 16 00-1595	EA	1/2" Diameter x 6" Long, Red Brass Pipe Nipple	39.07	
22 11 16 00-1596		3/4" Red Brass Pipe Nipples *(22 11 16 00-1414)* Note: Threaded both ends.		
22 11 16 00-1597	EA	3/4" Diameter x Close, Red Brass Pipe Nipple	15.43	
22 11 16 00-1598	EA	3/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	16.27	
22 11 16 00-1599	EA	3/4" Diameter x 2" Long, Red Brass Pipe Nipple	19.67	
22 11 16 00-1600	EA	3/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	23.15	
22 11 16 00-1601	EA	3/4" Diameter x 3" Long, Red Brass Pipe Nipple	26.28	
22 11 16 00-1602	EA	3/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	30.17	
22 11 16 00-1603	EA	3/4" Diameter x 4" Long, Red Brass Pipe Nipple	33.92	
22 11 16 00-1604	EA	3/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	38.09	
22 11 16 00-1605	EA	3/4" Diameter x 5" Long, Red Brass Pipe Nipple	41.57	
22 11 16 00-1606	EA	3/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	47.89	
22 11 16 00-1607	EA	3/4" Diameter x 6" Long, Red Brass Pipe Nipple	50.33	
22 11 16 00-1608		1" Red Brass Pipe Nipples *(22 11 16 00-1414)* Note: Threaded both ends.		
22 11 16 00-1609	EA	1" Diameter x Close, Red Brass Pipe Nipple	23.49	
22 11 16 00-1610	EA	1" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	25.85	
22 11 16 00-1611	EA	1" Diameter x 2" Long, Red Brass Pipe Nipple	28.22	
22 11 16 00-1612	EA	1" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	33.57	
22 11 16 00-1613	EA	1" Diameter x 3" Long, Red Brass Pipe Nipple	37.95	
22 11 16 00-1614	EA	1" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	44.70	
22 11 16 00-1615	EA	1" Diameter x 4" Long, Red Brass Pipe Nipple	50.05	
22 11 16 00-1616	EA	1" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	55.33	
22 11 16 00-1617	EA	1" Diameter x 5" Long, Red Brass Pipe Nipple	60.75	
22 11 16 00-1618	EA	1" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	66.45	
22 11 16 00-1619	EA	1" Diameter x 6" Long, Red Brass Pipe Nipple	71.74	
22 11 16 00-1620		1-1/4" Red Brass Pipe Nipples *(22 11 16 00-1414)* Note: Threaded both ends.		
22 11 16 00-1621	EA	1-1/4" Diameter x Close, Red Brass Pipe Nipple	34.76	
22 11 16 00-1622	EA	1-1/4" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	37.04	
22 11 16 00-1623	EA	1-1/4" Diameter x 2" Long, Red Brass Pipe Nipple	39.83	
22 11 16 00-1624	EA	1-1/4" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	47.96	
22 11 16 00-1625	EA	1-1/4" Diameter x 3" Long, Red Brass Pipe Nipple	56.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1626	EA	1-1/4" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	65.76	
22 11 16 00-1627	EA	1-1/4" Diameter x 4" Long, Red Brass Pipe Nipple	73.82	
22 11 16 00-1628	EA	1-1/4" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	81.88	
22 11 16 00-1629	EA	1-1/4" Diameter x 5" Long, Red Brass Pipe Nipple	90.02	
22 11 16 00-1630	EA	1-1/4" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	98.50	
22 11 16 00-1631	EA	1-1/4" Diameter x 6" Long, Red Brass Pipe Nipple	106.56	

22 11 16 00-1632 1-1/2" Red Brass Pipe Nipples *(22 11 16 00-1414)*

Note: Threaded both ends.

22 11 16 00-1633	EA	1-1/2" Diameter x Close, Red Brass Pipe Nipple	43.24	
22 11 16 00-1634	EA	1-1/2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	45.12	
22 11 16 00-1635	EA	1-1/2" Diameter x 2" Long, Red Brass Pipe Nipple	46.99	
22 11 16 00-1636	EA	1-1/2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	57.14	
22 11 16 00-1637	EA	1-1/2" Diameter x 3" Long, Red Brass Pipe Nipple	64.79	
22 11 16 00-1638	EA	1-1/2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	76.18	
22 11 16 00-1639	EA	1-1/2" Diameter x 4" Long, Red Brass Pipe Nipple	85.78	
22 11 16 00-1640	EA	1-1/2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	95.72	
22 11 16 00-1641	EA	1-1/2" Diameter x 5" Long, Red Brass Pipe Nipple	105.31	
22 11 16 00-1642	EA	1-1/2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	114.69	
22 11 16 00-1643	EA	1-1/2" Diameter x 6" Long, Red Brass Pipe Nipple	124.08	

22 11 16 00-1644 2" Red Brass Pipe Nipples *(22 11 16 00-1414)*

Note: Threaded both ends.

22 11 16 00-1645	EA	2" Diameter x Close, Red Brass Pipe Nipple	66.45	
22 11 16 00-1646	EA	2" Diameter x 1-1/2" Long, Red Brass Pipe Nipple	68.78	
22 11 16 00-1647	EA	2" Diameter x 2" Long, Red Brass Pipe Nipple	71.08	
22 11 16 00-1648	EA	2" Diameter x 2-1/2" Long, Red Brass Pipe Nipple	73.40	
22 11 16 00-1649	EA	2" Diameter x 3" Long, Red Brass Pipe Nipple	83.14	
22 11 16 00-1650	EA	2" Diameter x 3-1/2" Long, Red Brass Pipe Nipple	98.01	
22 11 16 00-1651	EA	2" Diameter x 4" Long, Red Brass Pipe Nipple	110.11	
22 11 16 00-1652	EA	2" Diameter x 4-1/2" Long, Red Brass Pipe Nipple	122.20	
22 11 16 00-1653	EA	2" Diameter x 5" Long, Red Brass Pipe Nipple	133.11	
22 11 16 00-1654	EA	2" Diameter x 5-1/2" Long, Red Brass Pipe Nipple	146.81	
22 11 16 00-1655	EA	2" Diameter x 6" Long, Red Brass Pipe Nipple	158.83	

22 11 16 00-1656 Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*

Note: Aboveground, domestic water usage.

22 11 16 00-1657 Cross-Linked Polyethylene Tubing *(22 11 16 00-1656)*

22 11 16 00-1658	LF	3/8" Diameter, Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	5.32	
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-1659	LF	1/2" Diameter, Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	5.81	
		For Work In Restricted Working Space, Add	*1.15*	
22 11 16 00-1660	LF	3/4" Diameter, Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	7.76	
		For Work In Restricted Working Space, Add	*1.25*	
22 11 16 00-1661	LF	1" Diameter, Cross-Linked Polyethylene (PEX , XPE or XLPE) Tubing	10.57	
		For Work In Restricted Working Space, Add	*1.32*	

22 11 16 00-1662 Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1656)*

Note: Aboveground, domestic water usage.

22 11 16 00-1663 Male Adapters *(22 11 16 00-1662)*

22 11 16 00-1664	EA	3/8" x 1/2" Diameter (PE x Threaded). Forged Brass Male Adapter For PEX Tubing	22.53	
		For Work In Restricted Working Space, Add	*5.53*	
22 11 16 00-1665	EA	1/2" x 1/2" Diameter (PE x Threaded), Forged Brass Male Adapter For PEX Tubing	24.24	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-1666	EA	1/2" x 3/4" Diameter (PE x Threaded), Forged Brass Male Adapter For PEX Tubing	26.42	
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-1667	EA	3/4" x 3/4" Diameter (PE x Threaded), Forged Brass Male Adapter For PEX Tubing	27.65	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1668	EA	3/4" x 1/2" Diameter (PE x Threaded), Forged Brass Male Adapter For PEX Tubing	26.42	
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-1669	EA	1" x 1" Diameter (PE x Threaded), Forged Brass Male Adapter For PEX Tubing	34.32	
		For Work In Restricted Working Space, Add	*7.37*	

22 11 16 00-1670 Female Adapters *(22 11 16 00-1662)*

22 11 16 00-1671	EA	1/2" x 1/2" Diameter (PE x Threaded), Forged Brass Female Adapter For PEX Tubing	24.72	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-1672	EA	1/2" x 3/4" Diameter (PE x Threaded), Forged Brass Female Adapter For PEX Tubing	27.73	
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-1673	EA	3/4" x 3/4" Diameter (PE x Threaded), Forged Brass Female Adapter For PEX Tubing	28.96	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1674	EA	3/4" x 1/2" Diameter (PE x Threaded), Forged Brass Female Adapter For PEX Tubing	27.73	
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-1675	EA	1" x 1" Diameter (PE x Threaded), Forged Brass Female Adapter For PEX Tubing	34.92	
		For Work In Restricted Working Space, Add	*7.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 16 00-1676 Tube Adapters *(22 11 16 00-1662)*

22 11 16 00-1677	EA	3/8" x 1/2" Diameter, Forged Brass Tube Adapter For PEX Tubing	20.59	
		For Work In Restricted Working Space, Add	*5.53*	
22 11 16 00-1678	EA	1/2" Diameter, Forged Brass Tube Adapter For PEX Tubing	21.82	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-1679	EA	3/4" Diameter, Forged Brass Tube Adapter For PEX Tubing	26.10	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1680	EA	1" Diameter, Forged Brass Tube Adapter For PEX Tubing	33.10	
		For Work In Restricted Working Space, Add	*7.37*	

22 11 16 00-1681 Plugs *(22 11 16 00-1662)*

22 11 16 00-1682	EA	3/8" Diameter, Forged Brass Plug For PEX Tubing	10.28	
		For Work In Restricted Working Space, Add	*2.58*	
22 11 16 00-1683	EA	1/2" Diameter, Forged Brass Plug For PEX Tubing	11.50	
		For Work In Restricted Working Space, Add	*2.95*	
22 11 16 00-1684	EA	3/4" Diameter, Forged Brass Plug For PEX Tubing	13.21	
		For Work In Restricted Working Space, Add	*3.32*	
22 11 16 00-1685	EA	1" Diameter, Forged Brass Plug For PEX Tubing	16.27	
		For Work In Restricted Working Space, Add	*3.69*	

22 11 16 00-1686 Tees *(22 11 16 00-1662)*

22 11 16 00-1687	EA	3/8" Diameter, Forged Brass Tee For PEX Tubing	29.31	
		For Work In Restricted Working Space, Add	*7.74*	
22 11 16 00-1688	EA	1/2" Diameter, Forged Brass Tee For PEX Tubing	33.00	
		For Work In Restricted Working Space, Add	*8.85*	
22 11 16 00-1689	EA	3/4" Diameter, Forged Brass Tee For PEX Tubing	39.07	
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-1690	EA	1" Diameter, Forged Brass Tee For PEX Tubing	49.48	
		For Work In Restricted Working Space, Add	*11.06*	
22 11 16 00-1691	EA	1/2" Diameter, Forged Brass Reducing Tee For PEX Tubing	31.76	
		For Work In Restricted Working Space, Add	*8.48*	
22 11 16 00-1692	EA	3/4" Diameter, Forged Brass Reducing Tee For PEX Tubing	36.62	
		For Work In Restricted Working Space, Add	*9.22*	
22 11 16 00-1693	EA	1" Diameter, Forged Brass Reducing Tee For PEX Tubing	44.84	
		For Work In Restricted Working Space, Add	*9.95*	

22 11 16 00-1694 Couplings *(22 11 16 00-1662)*

22 11 16 00-1695	EA	3/8" Diameter, Forged Brass Coupling For PEX Tubing	19.00	
		For Work In Restricted Working Space, Add	*5.16*	
22 11 16 00-1696	EA	1/2" Diameter, Forged Brass Coupling For PEX Tubing	21.58	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-1697	EA	3/4" Diameter, Forged Brass Coupling For PEX Tubing	24.63	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1698	EA	1" Diameter, Forged Brass Coupling For PEX Tubing	29.87	
		For Work In Restricted Working Space, Add	*7.37*	
22 11 16 00-1699	EA	3/4" Diameter x 1/2" Diameter, Forged Brass Reducing Coupling For PEX Tubing	23.40	
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-1700	EA	1" Diameter x 3/4" Diameter, Forged Brass Reducing Coupling For PEX Tubing	28.64	
		For Work In Restricted Working Space, Add	*7.01*	

22 11 16 00-1701 Fitting Reducers *(22 11 16 00-1662)*

22 11 16 00-1702	EA	3/8" x 1/2" Diameter, Forged Brass Fitting Reducer For PEX Tubing	20.95	
		For Work In Restricted Working Space, Add	*5.53*	
22 11 16 00-1703	EA	1/2" Diameter, Forged Brass Fitting Reducer For PEX Tubing	22.18	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-1704	EA	3/4" Diameter, Forged Brass Fitting Reducer For PEX Tubing	26.81	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1705	EA	1" Diameter, Forged Brass Fitting Reducer For PEX Tubing	37.19	
		For Work In Restricted Working Space, Add	*7.37*	

22 11 16 00-1706 90 Degree Elbows *(22 11 16 00-1662)*

22 11 16 00-1707	EA	3/8" Diameter, Forged Brass 90 Degree Elbow For PEX Tubing	20.08	
		For Work In Restricted Working Space, Add	*5.16*	
22 11 16 00-1708	EA	1/2" Diameter, Forged Brass 90 Degree Elbow For PEX Tubing	22.54	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-1709	EA	3/4" Diameter, Forged Brass 90 Degree Elbow For PEX Tubing	26.81	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1710	EA	3/4" x 1/2" Diameter, Forged Brass 90 Degree Elbow For PEX Tubing	25.58	
		For Work In Restricted Working Space, Add	*6.27*	
22 11 16 00-1711	EA	1/2" Diameter, Drop 90 Degree Elbow For PEX Tubing	30.01	
		For Work In Restricted Working Space, Add	*5.90*	
22 11 16 00-1712	EA	3/4" Diameter, Forged Brass Drop 90 Degree Elbow For PEX Tubing	33.54	
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1713	EA	3/4" x 1/2" Diameter, Forged Brass Drop 90 Degree Elbow For PEX Tubing	32.31	
		For Work In Restricted Working Space, Add	*6.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19		**Domestic Water Piping Specialties** *(22 11)*		
		See CSI section 23 21 16 00-0000 for additional piping specialties.		
22 11 19 00-0001		Rubber Hose And Clamps *(22 11 19)*		
22 11 19 00-0002		General Purpose Hose *(22 11 19 00-0001)*		
		Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.		
22 11 19 00-0003	LF	3/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.13	2.45
22 11 19 00-0004	LF	1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	9.57	2.45
22 11 19 00-0005	LF	5/8" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	11.73	2.45
22 11 19 00-0006	LF	3/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	11.84	2.45
22 11 19 00-0007	LF	1" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	16.20	3.67
22 11 19 00-0008	LF	1-1/4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	26.92	3.67
22 11 19 00-0009	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	29.27	4.89
22 11 19 00-0010	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	56.29	4.89
22 11 19 00-0011		Reinfored EPDM Water Hose Assembly *(22 11 19 00-0001)*		
		Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.		
22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	74.82	4.89
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	88.30	4.89
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	124.16	6.01
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	174.47	8.13
22 11 19 00-0016		Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*		
22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,319.55	283.20
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,813.00	283.20
22 11 19 00-0019		Water Pump Hose *(22 11 19 00-0001)*		
22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	634.71	74.72
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	672.25	74.72
22 11 19 00-0022		Barbed Hose x Threaded Male Pipe, Steel Coupling *(22 11 19 00-0001)*		
22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	30.57	10.27
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	32.43	11.01
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	34.73	11.74
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	39.47	13.20
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	47.24	16.15
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	55.96	19.32
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	72.10	25.43
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	90.77	31.79
22 11 19 00-0031		Worm-Drive Hose Clamp *(22 11 19 00-0001)*		
22 11 19 00-0032	EA	3/8" To 1" Diameter, Worm Drive Hose Clamp	13.00	3.67
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter, Worm Drive Hose Clamp	13.74	3.67
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter, Worm Drive Hose Clamp	14.54	3.67
22 11 19 00-0035	EA	3/4" To 2" Diameter, Worm Drive Hose Clamp	15.47	3.67
22 11 19 00-0036	EA	1" To 2-1/2" Diameter, Worm Drive Hose Clamp	16.53	3.67
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter, Worm Drive Hose Clamp	17.91	4.89
22 11 19 00-0038	EA	1-1/2" To 3" Diameter, Worm Drive Hose Clamp	19.32	4.89
22 11 19 00-0039		Trap Primer And Accessories *(22 11 19)*		
22 11 19 00-0040		Trap Primer *(22 11 19 00-0039)*		
22 11 19 00-0041	EA	1/2" Diameter Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	341.54	18.44
22 11 19 00-0042	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	209.11	12.29
22 11 19 00-0043	EA	1/2" Diameter Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	202.38	12.29
22 11 19 00-0044		Trap Primer Distribution Unit *(22 11 19 00-0039)*		
22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	170.22	24.58
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	188.35	24.58
22 11 19 00-0047		Trap Primer Manifold *(22 11 19 00-0039)*		
22 11 19 00-0048	EA	Two Outlet Trap Primer Manifold	273.47	33.06
22 11 19 00-0049	EA	Four Outlet Trap Primer Manifold	416.20	37.61
22 11 19 00-0050	EA	Six Outlet Trap Primer Manifold	556.04	39.82
22 11 19 00-0051	EA	Eight Outlet Trap Primer Manifold	700.18	46.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0052		**Sewage Air Release Valves** *(22 11 19)*		
22 11 19 00-0053		**Cast Iron, Sewage Air Release Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0054	EA	2" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	981.49	44.88
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,206.28	75.00
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0056	EA	4" x 1/2" Diameter NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,529.61	94.67
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0057		**Cast Iron, Sewage Air Vacuum Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0058	EA	2" x 1" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	1,002.73	44.88
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,963.47	44.88
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" Diameter NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,358.12	75.00
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" x 4" Diameter NPT, With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	3,490.92	94.67
22 11 19 00-0062		**Cast Iron, Sewage Combination Air Valves** *(22 11 19 00-0052)*		
		Note: Stainless steel float.		
22 11 19 00-0063	EA	2" x 1" Diameter NPT, Sewage Combination Air Valve (Apco 443)	2,138.64	44.88
22 11 19 00-0064	EA	2" x 2" Diameter NPT, Sewage Combination Air Valve (Apco 445)	2,948.11	44.88
22 11 19 00-0065	EA	3" x 3" Diameter NPT, Sewage Combination Air Valve (Apco 447)	3,451.57	75.00
22 11 19 00-0066	EA	4" x 4" Diameter NPT, Sewage Combination Air Valve (Apco 449)	4,220.77	94.67
22 11 19 00-0067		**Brass, Anti Siphon Vacuum Breakers** *(22 11 19)*		
		Note: Watts 288A		
22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	118.85	30.73
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	136.81	34.41
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	287.15	39.32
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	460.49	45.47
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	550.29	50.38
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	808.31	61.45
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	2,137.98	76.82
22 11 19 00-0075		**Anti Siphon Pressure Vacuum Breakers** *(22 11 19)*		
		Note: Watts 800M4QT		
22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	361.98	30.73
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	314.87	34.41
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker	452.52	39.32
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	824.31	45.47
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	1,004.32	50.38
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker	1,011.69	61.45
22 11 19 00-0082		**Bellows Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	276.90	14.69
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	540.06	17.78
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	788.90	17.78
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,924.94	17.78
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	2,161.95	17.78
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,649.25	17.78
22 11 19 00-0089		**Piston Type Water Hammer Arrestors** *(22 11 19)*		
22 11 19 00-0090		**Threaded Piston Type Water Hammer Arrestors** *(22 11 19 00-0089)*		
22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	202.28	8.19
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	390.68	9.45
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	581.91	10.25
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,435.66	13.22
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,748.47	16.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,989.93	17.78
22 11 19 00-0097		**Escutcheons** *(22 11 19)*		
22 11 19 00-0098		**Brass Escutcheons** *(22 11 19 00-0097)*		
22 11 19 00-0099		**Shallow Brass Escutcheons** *(22 11 19 00-0098)*		
22 11 19 00-0100	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	13.72	3.07
22 11 19 00-0101	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	14.77	3.07
22 11 19 00-0102		**Deep Bell Brass Escutcheons** *(22 11 19 00-0098)*		
22 11 19 00-0103	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.14	3.44
22 11 19 00-0104	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	16.18	3.44
22 11 19 00-0105		**Chrome Plated Brass Escutcheons With Setscrew** *(22 11 19 00-0098)*		
22 11 19 00-0106	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.83	3.07
22 11 19 00-0107	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.08	3.07
22 11 19 00-0108	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.45	3.07
22 11 19 00-0109	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	25.81	3.07
22 11 19 00-0110	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.21	3.68
22 11 19 00-0111	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	27.54	3.68
22 11 19 00-0112	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.52	4.06
22 11 19 00-0113	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	29.82	4.30
22 11 19 00-0114	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	42.88	4.91
22 11 19 00-0115		**Plastic Escutcheons** *(22 11 19 00-0097)*		
22 11 19 00-0116		**Split-Ring White Plastic Escutcheons** *(22 11 19 00-0115)*		
22 11 19 00-0117	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	7.62	3.05
22 11 19 00-0118	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	7.62	3.05
22 11 19 00-0119	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	8.93	3.42
22 11 19 00-0120	EA	1" IPS, Split-Ring White Plastic Escutcheon	9.67	3.67
22 11 19 00-0121	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	10.41	4.04
22 11 19 00-0122	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	11.11	4.28
22 11 19 00-0123	EA	2" IPS, Split-Ring White Plastic Escutcheon	12.51	4.89
22 11 19 00-0124	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	16.26	5.26
22 11 19 00-0125	EA	3" IPS, Split-Ring White Plastic Escutcheon	20.02	5.50
22 11 19 00-0126	EA	4" IPS, Split-Ring White Plastic Escutcheon	24.37	6.12
22 11 19 00-0127		**Chrome Plate Plastic Escutcheons** *(22 11 19 00-0115)*		
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	10.19	3.05
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	11.13	3.42
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon	12.51	3.67
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	13.89	4.04
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	14.61	4.28
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon	18.47	4.89
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	27.00	5.26
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon	27.95	5.50
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon	29.83	6.12
22 11 19 00-0137		**Stainless Steel Escutcheons** *(22 11 19 00-0097)*		
22 11 19 00-0138		**Shallow Stainless Steel Escutcheons** *(22 11 19 00-0137)*		
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	19.29	3.07
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	19.29	3.07
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	27.51	3.44
22 11 19 00-0142		**Chrome Plated Steel Escutcheons** *(22 11 19 00-0097)*		
22 11 19 00-0143		**Split-Ring Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.89	3.05
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.50	3.42
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.26	3.67
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	8.87	4.04
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.48	4.28
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	10.93	4.89
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	16.73	5.26
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.77	5.50
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.00	5.87
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.37	6.12
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	25.12	6.73
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	29.35	7.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0156		**Split-Ring/Springs Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.24	3.05
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	11.24	3.05
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.01	3.42
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.82	3.67
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	14.37	4.04
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	15.19	4.28
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.03	4.89
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	20.79	5.26
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	25.51	5.50
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	31.46	5.87
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	31.91	6.12
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	53.08	6.73
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	55.37	7.34
22 11 19 00-0170		**Deep Bell Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.46	3.44
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.34	3.44
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.07	3.44
22 11 19 00-0174	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.00	3.68
22 11 19 00-0175	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.77	4.06
22 11 19 00-0176	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	10.76	4.30
22 11 19 00-0177		**Shallow Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0178	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	7.56	3.07
22 11 19 00-0179	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	7.56	3.07
22 11 19 00-0180	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	7.69	3.07
22 11 19 00-0181	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	8.24	3.68
22 11 19 00-0182	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	8.91	4.06
22 11 19 00-0183	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	9.89	4.30
22 11 19 00-0184	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	11.20	4.91
22 11 19 00-0185		**Wall Hydrants** *(22 11 19)* Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0186		**Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0185)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0187	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	789.88	30.73
		For Cast Bronze Box, Add	*39.84*	
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0188	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	833.85	36.87
		For Cast Bronze Box, Add	*39.84*	
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0189	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	859.02	44.37
		For Cast Bronze Box, Add	*39.84*	
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0190		**Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants** *(22 11 19 00-0185)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0191	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	804.02	51.62
		For Cast Bronze Box, Add	*39.84*	
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0192		**Cast Bronze Non-Freezing Wall Hydrant** *(22 11 19 00-0185)* Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.		
22 11 19 00-0193	EA	3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	437.80	38.10
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0194	EA	4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	538.69	38.10
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0195	EA	6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	538.69	38.10
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0196	EA	8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	538.69	38.10
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0197	EA	10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	562.17	76.82
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0198	EA	12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	562.17	76.82
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0199	EA	18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	632.40	76.82
		For 1" NPT Outlet, Add	*93.91*	
22 11 19 00-0200		**Stainless Steel Box Type Wall Hydrants** *(22 11 19 00-0185)* Note: With 3/4" NPT female and 3/4" NPT male inlet connection.		
22 11 19 00-0201	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	398.40	30.73
22 11 19 00-0202	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	433.60	30.73

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22 11 19 00-0203	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	438.40	30.73
22 11 19 00-0204	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	491.20	30.73
22 11 19 00-0205	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	689.27	43.02
22 11 19 00-0206	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	710.06	43.02
22 11 19 00-0207	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	710.06	43.02
22 11 19 00-0208	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	759.66	43.02
22 11 19 00-0209		Washer Boxes And Dryer Outlets *(22 11 19)*		
22 11 19 00-0210		Dryer Vent Kit *(22 11 19 00-0209)* Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	85.59	15.97
22 11 19 00-0212		Washer Boxes And Dryer Vents *(22 11 19 00-0209)* Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213	EA	2" Diameter Washing Machine Outlet Box, Plastic, Two 1/2" Diameter Supply Valves	301.40	24.58
22 11 19 00-0214		Ice Maker Outlet Box *(22 11 19)* Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	161.16	24.58
22 11 19 00-0216	EA	Plastic Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	164.20	24.58
22 11 19 00-0217	EA	Steel Ice Maker Outlet Box, 1/2" Diameter Quarter Turn Ball Valve, Wall Mount	243.41	24.58
22 11 19 00-0218		Tempering Controllers For Potable Hot Water *(22 11 19)*		
22 11 19 00-0219		Point-Of-Use Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0218)* Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	592.58	29.75
22 11 19 00-0221	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	147.46	29.75
22 11 19 00-0222	EA	1/2" Diameter Inlets, 1/2" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	333.42	29.75
22 11 19 00-0223	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	380.92	40.08
22 11 19 00-0224		Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0218)* Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225	EA	3/4" Diameter Inlets, 3/4" Diameter Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,621.05	42.91
22 11 19 00-0226	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,818.07	52.85
22 11 19 00-0227	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	2,186.33	61.47
22 11 19 00-0228	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	2,838.84	64.61
22 11 19 00-0229	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	3,812.19	83.82
22 11 19 00-0230		High Low Temperature Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0218)* Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231	EA	3/4" Diameter Inlets, 1" Diameter Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	4,146.08	66.08
22 11 19 00-0232	EA	1" Diameter Inlets, 1-1/4" Diameter Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	5,399.20	76.84
22 11 19 00-0233	EA	1-1/4" Diameter Inlets, 1-1/2" Diameter Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	6,299.57	80.76
22 11 19 00-0234	EA	2" Diameter Inlets, 2" Diameter Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	6,974.20	104.78
22 11 19 00-0235		Thermostatic Mixing Valves (Leonard) *(22 11 19 00-0218)* Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0236	EA	3/4" Diameter In x 3/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-981-RF) Note: For hot water or two pipe low pressure steam.	1,173.56	42.91
22 11 19 00-0237	EA	1" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-982-RF) Note: For hot water or two pipe low pressure steam.	1,380.99	52.84
22 11 19 00-0238	EA	1-1/4" Diameter In x 1-1/4" Diameter Out, Thermostatic Mixing Valve (Leonard LV-983-RF) Note: For hot water or two pipe low pressure steam.	1,698.30	61.47
22 11 19 00-0239	EA	1-1/4" Diameter In x 1-1/2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-984-RF) Note: For hot water or two pipe low pressure steam.	2,079.66	64.63
22 11 19 00-0240	EA	2" Diameter In x 2" Diameter Out, Thermostatic Mixing Valve (Leonard LV-985-RF) Note: For hot water or two pipe low pressure steam.	3,093.31	83.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0241		**Water Mixing/Self Operating Temperature Regulator** *(22 11 19 00-0218)* Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0242	EA	3/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,412.58	61.45
22 11 19 00-0243	EA	1" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,612.73	77.43
22 11 19 00-0244	EA	1-1/4" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,976.96	93.40
22 11 19 00-0245	EA	1-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,375.83	109.38
22 11 19 00-0246	EA	2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,207.36	143.80
22 11 19 00-0247	EA	2-1/2" Diameter Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	6,153.41	163.98
22 11 19 00-0248		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0218)*		
22 11 19 00-0249	EA	2-1/2" Diameter, Thermostatic Mixing Valve (Holby HOLBY2500)	5,527.62	83.85
22 11 19 00-0250		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0251		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0250)*		
22 11 19 00-0252		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0251)*		
22 11 19 00-0253		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0252)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0254	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	497.43	32.94
		For Work In Restricted Working Space, Add	*24.70*	
		For Owner Furnished Material, Deduct	*-415.09*	
22 11 19 00-0255	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	585.35	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-468.60*	
22 11 19 00-0256	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	674.24	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-531.67*	
22 11 19 00-0257	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	947.02	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-781.10*	
22 11 19 00-0258	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,174.19	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-984.92*	
22 11 19 00-0259	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	1,350.02	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-1,104.22*	
22 11 19 00-0260		**Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0252)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0261	EA	1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	616.21	32.94
		For Work In Restricted Working Space, Add	*24.70*	
		For Owner Furnished Material, Deduct	*-533.87*	
22 11 19 00-0262	EA	3/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	759.31	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-642.56*	
22 11 19 00-0263	EA	1" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	887.51	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-744.94*	
22 11 19 00-0264	EA	1-1/4" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,250.90	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-1,084.98*	
22 11 19 00-0265	EA	1-1/2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,532.10	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-1,342.83*	
22 11 19 00-0266	EA	2" Diameter, Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,844.16	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-1,598.36*	
22 11 19 00-0267		**Flanged Double Check Valve Assemblies** *(22 11 19 00-0251)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0268		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0267)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	6,786.72	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-6,424.58*	
22 11 19 00-0270	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	7,456.61	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-7,054.86*	
22 11 19 00-0271		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0267)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	7,439.74	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-7,077.60*	
22 11 19 00-0273	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	8,544.97	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-8,143.22*	
22 11 19 00-0274		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0267)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0275	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	6,833.81	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-6,471.69*	
22 11 19 00-0276	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,199.24	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-4,797.48*	
22 11 19 00-0277	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	8,142.17	452.67
		For Work In Restricted Working Space, Add	*180.97*	
		For Owner Furnished Material, Deduct	*-7,538.93*	
22 11 19 00-0278	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	12,343.24	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-11,141.06*	
22 11 19 00-0279	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	28,297.53	998.24
		For Work In Restricted Working Space, Add	*541.07*	
		For Owner Furnished Material, Deduct	*-26,493.97*	
22 11 19 00-0280	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	36,363.14	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-34,216.38*	
22 11 19 00-0281		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer** *(22 11 19 00-0267)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0282	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,521.26	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-8,918.07*	
22 11 19 00-0283	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	15,808.96	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-14,606.78*	
22 11 19 00-0284	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	42,275.67	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-40,128.91*	
22 11 19 00-0285		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0267)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0286	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	7,261.03	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-6,898.91*	
22 11 19 00-0287	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	7,978.04	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-7,576.29*	
22 11 19 00-0288	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	8,642.44	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-8,039.25*	
22 11 19 00-0289	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	14,470.44	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-13,268.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0290	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	30,063.85	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-28,260.57*	
22 11 19 00-0291	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	38,642.57	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-36,495.81*	

22 11 19 00-0292 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0293	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,309.62	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-3,947.50*	
22 11 19 00-0294	EA	3" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	4,744.23	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-4,342.48*	
22 11 19 00-0295	EA	4" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,340.65	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-4,737.46*	
22 11 19 00-0296	EA	6" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	8,609.86	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-7,407.68*	
22 11 19 00-0297	EA	8" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	16,448.89	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-14,645.61*	
22 11 19 00-0298	EA	10" Diameter, Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	17,818.60	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-15,671.84*	

22 11 19 00-0299 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0300	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	5,710.28	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-5,348.16*	
22 11 19 00-0301	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	6,144.89	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-5,743.14*	
22 11 19 00-0302	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	7,681.19	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-7,078.00*	
22 11 19 00-0303	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	12,528.04	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-11,325.86*	
22 11 19 00-0304	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	22,256.03	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-20,452.75*	
22 11 19 00-0305	EA	10" Diameter, N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	26,484.31	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-24,337.55*	

22 11 19 00-0306 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0307	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,031.04	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0308	EA	3" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	4,478.31	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-4,076.56*	
22 11 19 00-0309	EA	4" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,087.24	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-4,484.05*	
22 11 19 00-0310	EA	6" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	8,410.79	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-7,208.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0311	EA	8" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	16,257.04	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-14,453.76*	
22 11 19 00-0312	EA	10" Diameter, Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	18,354.25	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-16,207.49*	
22 11 19 00-0313		**N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
22 11 19 00-0314	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,314.25	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0315	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	5,748.85	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0316	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,285.65	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-6,682.46*	
22 11 19 00-0317	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	12,106.75	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-10,904.57*	
22 11 19 00-0318	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	21,618.36	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-19,815.08*	
22 11 19 00-0319	EA	10" Diameter, Diameter, N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	25,844.77	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-23,698.01*	
22 11 19 00-0320		**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0321	EA	2-1/2" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,689.90	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-4,327.78*	
22 11 19 00-0322	EA	3" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,124.51	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-4,722.76*	
22 11 19 00-0323	EA	4" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,720.93	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-5,117.74*	
22 11 19 00-0324	EA	6" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,999.72	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-7,797.54*	
22 11 19 00-0325	EA	8" Diameter, Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,838.75	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0326		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0327	EA	2-1/2" Diameter, N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	6,090.56	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-5,728.44*	
22 11 19 00-0328	EA	3" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	6,525.16	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-6,123.41*	
22 11 19 00-0329	EA	4" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,061.47	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-7,458.28*	
22 11 19 00-0330	EA	6" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	12,917.98	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-11,715.80*	
22 11 19 00-0331	EA	8" Diameter, N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	16,838.75	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-15,035.47*	
22 11 19 00-0332		**Grooved Double Check Valve Assemblies** *(22 11 19 00-0251)*		
22 11 19 00-0333		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0332)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334	EA	2-1/2" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,031.04	144.86
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-3,668.92*	
22 11 19 00-0335	EA	3" Diameter, Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	4,478.31	160.70
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-4,076.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0336		N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0332)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337	EA	2-1/2" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,314.25	144.86
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-4,952.13*	
22 11 19 00-0338	EA	3" Diameter, N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	5,748.85	160.70
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-5,347.10*	
22 11 19 00-0339		Reduced Pressure Zone Backflow Preventer Assemblies *(22 11 19 00-0250)*		
22 11 19 00-0340		Threaded Reduced Pressure Zone Assemblies *(22 11 19 00-0339)*		
22 11 19 00-0341		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0340)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0342	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	554.07	28.51
		For Work In Restricted Working Space, Add	*21.38*	
		For Owner Furnished Material, Deduct	*-482.79*	
22 11 19 00-0343	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	584.89	31.46
		For Work In Restricted Working Space, Add	*23.60*	
		For Owner Furnished Material, Deduct	*-506.23*	
22 11 19 00-0344	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	682.01	32.94
		For Work In Restricted Working Space, Add	*24.70*	
		For Owner Furnished Material, Deduct	*-599.67*	
22 11 19 00-0345	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	915.40	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,085.76	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,645.50	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,738.44	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,084.13	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-1,838.33*	
22 11 19 00-0350		Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0340)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0351	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	612.51	28.51
		For Work In Restricted Working Space, Add	*21.38*	
		For Owner Furnished Material, Deduct	*-541.23*	
22 11 19 00-0352	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	646.48	31.46
		For Work In Restricted Working Space, Add	*23.60*	
		For Owner Furnished Material, Deduct	*-567.82*	
22 11 19 00-0353	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	766.42	46.70
		For Work In Restricted Working Space, Add	*24.70*	
		For Owner Furnished Material, Deduct	*-684.08*	
22 11 19 00-0354	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,048.06	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0355	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,251.63	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0356	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,871.71	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0357	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,057.67	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0358	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	2,475.79	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-2,229.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0359		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0340)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0360	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	915.40	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-798.65*	
22 11 19 00-0361	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,085.76	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-943.19*	
22 11 19 00-0362	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,645.50	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-1,479.58*	
22 11 19 00-0363	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,738.44	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-1,549.17*	
22 11 19 00-0364	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	2,084.13	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-1,838.33*	
22 11 19 00-0365		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0340)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0366	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,048.06	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-931.31*	
22 11 19 00-0367	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,251.63	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-1,109.06*	
22 11 19 00-0368	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,871.71	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-1,705.79*	
22 11 19 00-0369	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,057.67	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-1,868.40*	
22 11 19 00-0370	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	2,475.79	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-2,229.99*	
22 11 19 00-0371		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0340)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0372	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,900.68	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-1,783.93*	
22 11 19 00-0373	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	2,249.35	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-2,106.78*	
22 11 19 00-0374	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,466.49	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-3,300.57*	
22 11 19 00-0375	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	3,746.62	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-3,557.35*	
22 11 19 00-0376	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	4,343.73	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-4,097.93*	
22 11 19 00-0377		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0340)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0378	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	2,563.80	46.70
		For Work In Restricted Working Space, Add	*35.03*	
		For Owner Furnished Material, Deduct	*-2,447.05*	
22 11 19 00-0379	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	3,047.31	57.03
		For Work In Restricted Working Space, Add	*42.77*	
		For Owner Furnished Material, Deduct	*-2,904.74*	
22 11 19 00-0380	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	4,650.97	66.37
		For Work In Restricted Working Space, Add	*49.78*	
		For Owner Furnished Material, Deduct	*-4,485.05*	
22 11 19 00-0381	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	5,079.76	76.20
		For Work In Restricted Working Space, Add	*56.78*	
		For Owner Furnished Material, Deduct	*-4,890.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0382	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	6,031.86	98.32
		For Work In Restricted Working Space, Add	*73.74*	
		For Owner Furnished Material, Deduct	*-5,786.06*	

22 11 19 00-0383 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0339)*

22 11 19 00-0384 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0385	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	6,239.29	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-5,877.15*	
22 11 19 00-0386	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	7,031.01	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-6,629.26*	

22 11 19 00-0387 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0388	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	7,444.61	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0389	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	8,431.26	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0390 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).

22 11 19 00-0391	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	6,700.63	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-6,338.49*	
22 11 19 00-0392	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	7,797.73	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-7,395.98*	

22 11 19 00-0393 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)

22 11 19 00-0394	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	7,444.61	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-7,082.47*	
22 11 19 00-0395	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	8,431.26	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-8,029.51*	

22 11 19 00-0396 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).

22 11 19 00-0397	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	8,268.19	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-7,906.05*	
22 11 19 00-0398	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	9,569.98	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-9,168.23*	

22 11 19 00-0399 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).

22 11 19 00-0400	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	10,740.54	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-10,378.42*	
22 11 19 00-0401	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	12,203.17	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-11,801.41*	
22 11 19 00-0402	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	15,356.22	452.67
		For Work In Restricted Working Space, Add	*180.97*	
		For Owner Furnished Material, Deduct	*-14,752.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0403	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	23,118.76	665.49
		For Work In Restricted Working Space, Add	*504.95*	
		For Owner Furnished Material, Deduct	*-21,435.60*	
22 11 19 00-0404	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	38,372.86	998.24
		For Work In Restricted Working Space, Add	*757.43*	
		For Owner Furnished Material, Deduct	*-35,848.11*	
22 11 19 00-0405	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	49,626.77	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-47,480.01*	

22 11 19 00-0406 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).

22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	11,577.12	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-11,215.00*	
22 11 19 00-0408	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	13,083.60	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-12,681.85*	
22 11 19 00-0409	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	16,706.07	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-16,102.88*	
22 11 19 00-0410	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,178.62	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-23,976.44*	
22 11 19 00-0411	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	40,788.30	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-38,985.02*	
22 11 19 00-0412	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	55,386.12	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-53,239.36*	

22 11 19 00-0413 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0414	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	11,429.29	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-11,067.17*	
22 11 19 00-0415	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	12,992.64	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-12,590.88*	
22 11 19 00-0416	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	16,337.37	452.67
		For Work In Restricted Working Space, Add	*180.97*	
		For Owner Furnished Material, Deduct	*-15,734.13*	
22 11 19 00-0417	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	24,068.05	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-22,865.87*	
22 11 19 00-0418	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	40,042.37	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-38,239.09*	
22 11 19 00-0419	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	52,790.33	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-50,643.57*	

22 11 19 00-0420 Double Check Detector Assemblies *(22 11 19 00-0250)*

22 11 19 00-0421 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0420)*

22 11 19 00-0422 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0421)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0423	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,561.29	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-8,159.54*	
22 11 19 00-0424	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	8,952.06	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-8,348.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0425	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	12,043.48	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-10,841.30*	
22 11 19 00-0426	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	21,399.55	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-19,596.27*	
22 11 19 00-0427	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	28,928.25	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-26,781.49*	

22 11 19 00-0428 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0421)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0429	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,407.01	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-6,044.87*	
22 11 19 00-0430	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,841.19	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-6,439.44*	
22 11 19 00-0431	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,446.95	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-6,843.76*	
22 11 19 00-0432	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	10,088.73	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-8,886.55*	
22 11 19 00-0433	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,866.52	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-16,063.24*	
22 11 19 00-0434	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	21,067.11	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
		For Owner Furnished Material, Deduct	*-18,920.35*	

22 11 19 00-0435 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0421)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0436	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,787.37	271.60
		For Work In Restricted Working Space, Add	*108.64*	
		For Owner Furnished Material, Deduct	*-6,425.23*	
22 11 19 00-0437	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,221.55	305.56
		For Work In Restricted Working Space, Add	*120.53*	
		For Owner Furnished Material, Deduct	*-6,819.80*	
22 11 19 00-0438	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,827.23	452.67
		For Work In Restricted Working Space, Add	*180.96*	
		For Owner Furnished Material, Deduct	*-7,224.04*	
22 11 19 00-0439	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,478.59	665.49
		For Work In Restricted Working Space, Add	*360.65*	
		For Owner Furnished Material, Deduct	*-9,276.41*	
22 11 19 00-0440	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,398.77	998.24
		For Work In Restricted Working Space, Add	*540.98*	
		For Owner Furnished Material, Deduct	*-15,595.49*	

22 11 19 00-0441 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0420)*

22 11 19 00-0442 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0441)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0443	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,286.92	271.60
		For Work In Restricted Working Space, Add	*108.64*	
22 11 19 00-0444	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,721.15	305.56
		For Work In Restricted Working Space, Add	*120.53*	
22 11 19 00-0445	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,326.91	452.67
		For Work In Restricted Working Space, Add	*180.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0446	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,968.69	665.49
		For Work In Restricted Working Space, Add	*360.65*	
22 11 19 00-0447	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,746.56	998.24
		For Work In Restricted Working Space, Add	*540.98*	
22 11 19 00-0448	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	20,946.98	1,180.71
		For Work In Restricted Working Space, Add	*644.03*	
22 11 19 00-0449		**Double Check Detector Assembly With Butterfly Valves Less Meter** *(22 11 19 00-0441)*		
		Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).		
22 11 19 00-0450	EA	2-1/2" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,667.24	271.60
		For Work In Restricted Working Space, Add	*108.64*	
22 11 19 00-0451	EA	3" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,101.43	305.56
		For Work In Restricted Working Space, Add	*120.53*	
22 11 19 00-0452	EA	4" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	7,707.18	452.67
		For Work In Restricted Working Space, Add	*180.96*	
22 11 19 00-0453	EA	6" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	10,358.47	665.49
		For Work In Restricted Working Space, Add	*360.65*	
22 11 19 00-0454	EA	8" Diameter, Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	18,136.42	998.24
		For Work In Restricted Working Space, Add	*540.98*	
22 11 19 00-0455		**Backflow Preventer Accessories** *(22 11 19 00-0250)*		
22 11 19 00-0456		**Air Gap** *(22 11 19 00-0455)*		
22 11 19 00-0457	EA	Up To 1" Diameter Air Gap For Backflow Preventer	141.19	15.36
22 11 19 00-0458	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	173.82	18.44
22 11 19 00-0459	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	327.92	24.58
22 11 19 00-0460	EA	4" To 6" Diameter Air Gap For Backflow Preventer	649.50	43.02
22 11 19 00-0461	EA	8" To 10" Diameter Air Gap For Backflow Preventer	686.37	61.45
22 11 19 00-0462		**Brass Test Cocks** *(22 11 19 00-0455)*		
22 11 19 00-0463	EA	1/8" Or 1/4" Brass Test Cock	57.49	6.15
22 11 19 00-0464		**Backflow Valve Enclosures** *(22 11 19 00-0250)*		
22 11 19 00-0465		**Flip-Top, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0464)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0466	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,632.50	110.61
		For Heated Enclosure, Add	*203.40*	
22 11 19 00-0467	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,011.92	110.61
		For Heated Enclosure, Add	*260.31*	
22 11 19 00-0468	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,557.49	101.85
		For Heated Enclosure, Add	*345.43*	
22 11 19 00-0469	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,652.26	135.81
		For Heated Enclosure, Add	*346.91*	
22 11 19 00-0470	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,780.93	135.81
		For Heated Enclosure, Add	*366.21*	
22 11 19 00-0471	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,282.41	135.81
		For Heated Enclosure, Add	*441.44*	
22 11 19 00-0472	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	3,295.61	135.81
		For Heated Enclosure, Add	*443.42*	
22 11 19 00-0473	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,150.11	135.81
		For Heated Enclosure, Add	*571.59*	
22 11 19 00-0474	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	9,578.84	203.70
		For Heated Enclosure, Add	*1,360.44*	
22 11 19 00-0475	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,890.94	203.70
		For Heated Enclosure, Add	*2,007.25*	
22 11 19 00-0476	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	13,198.10	203.70
		For Heated Enclosure, Add	*1,903.33*	
22 11 19 00-0477	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	15,892.67	237.65
		For Heated Enclosure, Add	*2,294.78*	
22 11 19 00-0478		**One-Piece Drop Over, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0464)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0479	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	873.97	29.50
		For Heated Enclosure, Add	*164.96*	
22 11 19 00-0480	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,223.69	29.50
		For Heated Enclosure, Add	*234.91*	
22 11 19 00-0481	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,543.12	27.16
		For Heated Enclosure, Add	*299.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0482	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,341.53	27.16
		For Heated Enclosure, Add	*459.25*	
22 11 19 00-0483	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,076.28	50.92
		For Heated Enclosure, Add	*1,198.28*	
22 11 19 00-0484	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	8,309.86	50.92
		For Heated Enclosure, Add	*1,645.00*	
22 11 19 00-0485	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	5,522.01	50.92
		For Heated Enclosure, Add	*1,087.43*	
22 11 19 00-0486	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	6,254.44	50.92
		For Heated Enclosure, Add	*1,233.91*	
22 11 19 00-0487	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	9,807.71	50.92
		For Heated Enclosure, Add	*1,944.57*	

22 11 19 00-0488 Sectional, Insulated Aluminum Valve Enclosures *(22 11 19 00-0464)*

Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.

22 11 19 00-0489	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	12,426.08	203.70
		For Heated Enclosure, Add	*1,787.52*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0490	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	13,702.88	203.70
		For Heated Enclosure, Add	*1,979.04*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0491	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	9,733.91	203.70
		For Heated Enclosure, Add	*1,383.70*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0492	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	10,677.49	203.70
		For Heated Enclosure, Add	*1,525.23*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0493	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	12,420.97	271.60
		For Heated Enclosure, Add	*1,761.29*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0494	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,932.02	271.60
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0495	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	13,932.02	271.60
		For Heated Enclosure, Add	*1,987.95*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0496	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	15,396.87	271.60
		For Heated Enclosure, Add	*2,207.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0497	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	11,557.48	237.65
		For Heated Enclosure, Add	*1,644.50*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0498	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	13,532.81	271.60
		For Heated Enclosure, Add	*1,928.07*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0499	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	15,819.18	271.60
		For Heated Enclosure, Add	*2,271.03*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0500	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	17,366.07	288.58
		For Heated Enclosure, Add	*2,496.69*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0501	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	17,745.48	288.58
		For Heated Enclosure, Add	*2,553.60*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0502	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	19,675.08	305.56
		For Heated Enclosure, Add	*2,836.68*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0503	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	20,430.60	305.56
		For Heated Enclosure, Add	*2,950.01*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0504	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	14,829.41	271.60
		For Heated Enclosure, Add	*2,122.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0505	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	15,809.28	271.60
		For Heated Enclosure, Add	*2,269.54*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0506	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	17,890.64	288.58
		For Heated Enclosure, Add	*2,575.38*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0507	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	21,687.61	305.56
		For Heated Enclosure, Add	*3,138.56*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0508	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	18,919.55	305.56
		For Heated Enclosure, Add	*2,723.35*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0509	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	22,739.60	322.53
		For Heated Enclosure, Add	*3,289.99*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0510	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	21,984.08	322.53
		For Heated Enclosure, Add	*3,176.66*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0511	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	25,467.61	339.50
		For Heated Enclosure, Add	*3,692.83*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0512	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	23,537.56	339.50
		For Heated Enclosure, Add	*3,403.32*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0513	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	27,469.81	356.48
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0514	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	27,512.24	373.46
		For Heated Enclosure, Add	*3,986.79*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	
22 11 19 00-0515	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	32,618.99	390.43
		For Heated Enclosure, Add	*4,746.44*	
		For One 24" Fluorescent Light Fixture, Add	*851.43*	
		For Two 24" Fluorescent Light Fixture, Add	*1,523.60*	

22 11 19 00-0516 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0517 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0516)*

22 11 19 00-0518	EA	1/2" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	67.15	12.29
22 11 19 00-0519	EA	3/4" Diameter, 125 Lb., Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	77.48	13.52
22 11 19 00-0520	EA	3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL)	20.00	9.22

22 11 19 00-0521 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0516)*

22 11 19 00-0522	EA	3/4" Diameter, Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	230.96	37.61

22 11 19 00-0523 Antisiphon Freezeless Wall Faucet (Woodford 19CP) *(22 11 19 00-0516)*

22 11 19 00-0524	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	142.30	30.73
22 11 19 00-0525	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	154.42	34.04
22 11 19 00-0526	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	163.46	36.01
22 11 19 00-0527	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	172.49	38.59
22 11 19 00-0528	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	181.65	40.92

22 11 19 00-0529 Keyed, Recessed Valve Boxes *(22 11 19)*

22 11 19 00-0530	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	372.68	36.68
22 11 19 00-0531	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	415.44	36.68
22 11 19 00-0532	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	479.59	36.68
22 11 19 00-0533	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	461.29	48.91
22 11 19 00-0534	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	525.43	48.91
22 11 19 00-0535	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	544.67	48.91
22 11 19 00-0536	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	441.10	36.68
22 11 19 00-0537	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	535.18	36.68
22 11 19 00-0538	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	618.56	36.68
22 11 19 00-0539	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	581.02	48.91
22 11 19 00-0540	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	664.41	48.91
22 11 19 00-0541	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	696.48	48.91

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*

22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	16,823.94	362.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	17,378.19	486.63
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,053.96	611.11
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	18,668.96	735.59
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	20,620.63	860.08
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	22,876.11	984.57
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	24,402.48	1,109.05
22 11 23 13-0009		**Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator** *(22 11 23 13)*		
22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	44,805.14	1,468.19
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	54,175.59	1,559.95
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator Tank	63,584.77	1,651.71
22 11 23 13-0013		**Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator** *(22 11 23 13)*		
22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	59,355.21	1,559.95
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	74,192.36	1,651.71
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	92,435.03	1,835.23
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	117,411.97	2,018.75
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	142,388.92	2,202.28
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	165,968.45	2,477.56
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	189,548.00	2,752.84
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	213,127.56	3,028.13
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	236,936.51	3,395.18
22 11 23 13-0023		**Variable Speed Duplex Domestic Water Pressure Booster Skid** *(22 11 23 13)* Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	43,098.49	1,635.03
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	45,101.11	1,635.03
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	47,962.62	1,635.03
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	52,087.46	1,635.03
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	49,094.38	1,737.22
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	52,695.18	1,737.22
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	57,585.41	1,737.22
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	61,560.21	1,737.22
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	53,666.04	1,839.40
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	57,221.18	1,839.40
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	65,170.79	1,839.40
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	78,512.91	1,839.40
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	56,721.07	1,839.40
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	63,972.70	1,839.40
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	79,934.97	1,839.40
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	79,473.99	1,839.40
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	94,844.78	2,043.79
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	64,946.78	2,043.79
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	79,482.65	2,043.79
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	79,023.85	2,043.79
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	95,557.99	2,043.79
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	115,782.08	2,043.79
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	54,648.90	1,635.03

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0047		**Variable Speed Triplex Domestic Water Pressure Booster Skid** *(22 11 23 13)* Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.		
22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	54,648.90	1,635.03
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	61,211.24	1,635.03
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	66,873.38	1,635.03
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	61,466.71	1,737.22
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	67,089.71	1,737.22
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	62,780.05	1,737.22
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	67,613.74	1,737.22
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	74,260.88	1,737.22
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	79,770.81	1,737.22
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	63,352.99	1,839.40
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	68,186.68	1,839.40
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	74,831.65	1,839.40
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	80,341.58	1,839.40
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	68,788.99	1,839.40
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	73,431.34	1,839.40
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	84,901.30	1,839.40
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	103,618.53	1,839.40
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	70,247.97	2,043.79
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	74,892.49	2,043.79
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	86,362.45	2,043.79
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	105,077.51	2,043.79
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	74,140.15	2,043.79
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	84,564.22	2,043.79
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	107,208.42	2,043.79
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	109,402.39	2,043.79
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	135,688.71	2,043.79
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	83,979.24	2,452.55
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	101,159.17	2,452.55
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	107,673.68	2,452.55
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	130,019.98	2,452.55
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	161,290.03	2,452.55
22 11 23 23		**Domestic-Water In-Line Pumps** *(22 11 23)*		
22 11 23 23-0001		**Bronze In-Line Centrifugal Domestic Water Booster Pumps** *(22 11 23 23)* Note: ODP motor.		
22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	1,174.91	203.70
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	1,207.15	203.70
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	1,264.31	207.66
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	1,395.55	216.15
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	2,529.99	224.19
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	2,701.42	224.19
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	4,052.91	246.84
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	4,223.97	271.18
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	5,119.20	298.35
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	5,228.11	328.36
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	5,717.19	360.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	8,214.10	396.86
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	9,469.43	416.11
22 11 23 23-0015		Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*		
		Note: ODP motor.		
22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	1,225.18	203.70
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	2,073.64	203.70
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,081.82	207.66
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	2,117.68	212.19
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	2,125.59	216.15
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	2,164.97	224.19
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	2,651.14	246.84
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	3,424.05	298.35
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	3,604.92	328.36
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	4,211.88	360.63
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	5,700.27	396.86
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	6,672.88	416.11
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	5,979.28	437.06
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	6,425.66	480.42
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	7,059.42	509.52
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	8,962.14	566.13
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	9,492.02	679.47
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	12,121.26	792.92

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 19 Facility Ground-Mounted, Potable-Water Storage Tanks *(22 12)*

22 12 19 00-0001		Steel, Horizontal, Ground-Mounted Water Tanks *(22 12 19)*		
22 12 19 00-0002	EA	5,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	45,261.91	10,162.67
22 12 19 00-0003	EA	10,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	51,613.68	10,162.67
22 12 19 00-0004	EA	20,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	93,472.42	15,683.17
22 12 19 00-0005	EA	35,000 Gallon, Steel, Horizontal, Ground-Mounted Water Tank	120,635.87	20,325.36
22 12 19 00-0006		Galvanized Steel, Flat Bottom, Vertical Storage Tanks *(22 12 19)*		
22 12 19 00-0007	EA	5,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	54,671.93	10,162.67
22 12 19 00-0008	EA	10,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	76,785.48	10,162.67
22 12 19 00-0009	EA	20,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	114,331.29	15,683.17
22 12 19 00-0010	EA	35,000 Gallon Galvanized Steel, Flat Bottom, Vertical Storage Tank	165,087.39	20,325.36

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001		Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*		
22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,818.15	452.67
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	3,490.36	565.84
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	6,521.35	622.42
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	7,213.63	679.01
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	14,444.30	735.59
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	12,416.47	792.18
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	21,409.96	848.76
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	19,706.87	905.34
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	21,412.62	961.93
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	25,536.81	1,018.51
22 12 23 13-0012		Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*		
22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	2,399.42	452.67
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	4,669.74	565.84
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	5,855.40	622.42
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	7,254.85	679.01
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	6,142.23	679.01
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	9,558.29	735.59
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	10,345.39	792.18
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	9,839.94	792.18
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	8,965.60	792.18
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	12,311.87	848.76
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	13,358.97	905.34
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	15,526.46	961.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	29,280.65	1,018.51

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	755.74	254.63
		For Saddle Assembly, Add	*845.81*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	885.36	297.07
		For Saddle Assembly, Add	*845.81*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,051.48	339.50
		For Saddle Assembly, Add	*969.96*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,283.34	381.94
		For Saddle Assembly, Add	*1,454.39*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,541.97	424.39
		For Two Tie Down Bands, Add	*484.33*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,995.08	581.81
		For Two Tie Down Bands, Add	*518.41*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,994.07	678.77
		For Three Tie Down Bands, Add	*887.14*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,332.76	775.74
		For Three Tie Down Bands, Add	*894.45*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,413.86	872.71
		For Four Tie Down Bands, Add	*1,212.07*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,345.16	969.67
		For Four Tie Down Bands, Add	*1,708.67*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,090.21	1,066.64
		For Four Tie Down Bands, Add	*2,253.95*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	10,534.02	1,163.60
		For Four Tie Down Bands, Add	*2,438.96*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	15,138.60	1,551.48
		For Four Tie Down Bands, Add	*2,760.29*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	19,612.62	1,551.48
		For Five Tie Down Bands, Add	*4,338.88*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	820.23	339.50
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	992.15	360.73
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	1,091.03	381.94
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	1,325.32	424.39
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,509.08	509.26
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,782.92	594.14
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	2,504.60	775.74
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,245.18	969.67
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	4,370.38	1,163.60
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,724.39	1,357.54
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	8,448.92	1,551.48
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	11,460.69	1,745.41
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	12,994.83	1,939.35
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	14,319.64	2,133.28
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	16,506.18	2,327.22
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	18,651.34	2,521.15
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	23,109.09	2,715.08
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	27,813.25	3,102.95

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,089.46
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,443.12
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	991.94
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	642.42

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	757.15	
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	965.94	
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,027.69	
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	621.09	
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	991.94	
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,020.87	
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	964.26	
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,089.46	
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,706.97	
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,056.02	
22 13 13 00-0017		**Double Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,416.38	
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,934.11	
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,223.15	
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	767.86	
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,031.71	
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,092.88	
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	726.15	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,234.44	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,075.52	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,047.26	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,416.38	
22 13 13 00-0029		**Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	707.66	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	967.05	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	612.13	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	384.50	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	515.87	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	546.42	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	391.37	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	616.67	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	537.76	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	524.17	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	699.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0041		**Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	654.33	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	736.80	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	618.66	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	375.68	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	440.59	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	594.73	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	605.70	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	370.81	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	618.66	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	655.24	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	605.61	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	654.20	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,011.93	
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	630.45	
22 13 13 00-0056		**Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe** *(22 13 13 00-0001)* Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	802.21	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	965.59	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	696.98	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	421.39	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	612.82	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	641.00	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	409.10	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	707.04	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	675.16	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	649.90	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	802.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0068		Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)* Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	400.65	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	482.25	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	348.82	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	210.76	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	306.38	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	320.22	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	204.54	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	353.42	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	337.61	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	325.43	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	393.15	
22 13 16		**Sanitary Waste and Vent Piping** *(22 13)*		
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies *(22 13 16)*		
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)* Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.		
22 13 16 00-0003	LF	2" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	35.62	7.13
		For Work In Restricted Working Space, Add	*5.23*	
22 13 16 00-0004	LF	3" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	50.87	10.75
		For Work In Restricted Working Space, Add	*7.10*	
22 13 16 00-0005	LF	4" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	66.00	13.69
		For Work In Restricted Working Space, Add	*9.12*	
22 13 16 00-0006	LF	5" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	77.28	16.74
		For Work In Restricted Working Space, Add	*9.42*	
22 13 16 00-0007	LF	6" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	90.74	18.24
		For Work In Restricted Working Space, Add	*10.46*	
22 13 16 00-0008	LF	8" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	143.93	25.97
		For Work In Restricted Working Space, Add	*14.71*	
22 13 16 00-0009	LF	10" Diameter, Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	211.19	25.97
		For Work In Restricted Working Space, Add	*16.65*	
22 13 16 00-0010		Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)* Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
22 13 16 00-0011	LF	1-1/2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.99	6.79
		For Work In Restricted Working Space, Add	*5.96*	
22 13 16 00-0012	LF	2" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	39.15	7.24
		For Work In Restricted Working Space, Add	*6.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0013	LF	3" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.45	10.52
		For Work In Restricted Working Space, Add	*7.85*	
22 13 16 00-0014	LF	4" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	61.09	13.69
		For Work In Restricted Working Space, Add	*9.40*	
22 13 16 00-0015	LF	5" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	80.53	16.42
		For Work In Restricted Working Space, Add	*11.15*	
22 13 16 00-0016	LF	6" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	92.50	17.92
		For Work In Restricted Working Space, Add	*12.15*	
22 13 16 00-0017	LF	8" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	146.39	25.76
		For Work In Restricted Working Space, Add	*16.76*	
22 13 16 00-0018	LF	10" Diameter, Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	213.25	29.27
		For Work In Restricted Working Space, Add	*19.49*	
22 13 16 00-0019		**Bell And Spigot Cast Iron Soil Pipe And Fittings** *(22 13 16)* Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
22 13 16 00-0020		**Bell And Spigot Cast Iron Pipe** *(22 13 16 00-0019)* Note: Excludes excavation, hangers, gaskets, and fittings.		
22 13 16 00-0021	LF	2" Diameter, Bell And Spigot Cast Iron Pipe	25.33	7.13
		For Above Ground Cast Iron Pipe Installation, Add	*0.54*	
		For Extra Heavy Pipe, Add	*6.12*	
		For Work In Restricted Working Space, Add	*3.23*	
22 13 16 00-0022	LF	3" Diameter, Bell And Spigot Cast Iron Pipe	37.03	10.75
		For Above Ground Cast Iron Pipe Installation, Add	*0.81*	
		For Extra Heavy Pipe, Add	*8.76*	
		For Work In Restricted Working Space, Add	*4.85*	
22 13 16 00-0023	LF	4" Diameter, Bell And Spigot Cast Iron Pipe	47.70	13.69
		For Above Ground Cast Iron Pipe Installation, Add	*1.03*	
		For Extra Heavy Pipe, Add	*11.39*	
		For Work In Restricted Working Space, Add	*6.17*	
22 13 16 00-0024	LF	5" Diameter, Bell And Spigot Cast Iron Pipe	63.33	16.74
		For Above Ground Cast Iron Pipe Installation, Add	*1.25*	
		For Extra Heavy Pipe, Add	*16.08*	
		For Work In Restricted Working Space, Add	*7.52*	
22 13 16 00-0025	LF	6" Diameter, Bell And Spigot Cast Iron Pipe	73.94	18.24
		For Above Ground Cast Iron Pipe Installation, Add	*1.37*	
		For Extra Heavy Pipe, Add	*19.58*	
		For Work In Restricted Working Space, Add	*8.20*	
22 13 16 00-0026	LF	8" Diameter, Bell And Spigot Cast Iron Pipe	111.48	25.97
		For Above Ground Cast Iron Pipe Installation, Add	*1.95*	
		For Extra Heavy Pipe, Add	*30.45*	
		For Work In Restricted Working Space, Add	*11.69*	
22 13 16 00-0027	LF	10" Diameter, Bell And Spigot Cast Iron Pipe	164.56	29.27
		For Above Ground Cast Iron Pipe Installation, Add	*2.19*	
		For Extra Heavy Pipe, Add	*50.70*	
		For Work In Restricted Working Space, Add	*13.15*	
22 13 16 00-0028	LF	12" Diameter, Bell And Spigot Cast Iron Pipe	233.82	39.01
		For Above Ground Cast Iron Pipe Installation, Add	*2.92*	
		For Extra Heavy Pipe, Add	*73.66*	
		For Work In Restricted Working Space, Add	*17.54*	
22 13 16 00-0029	LF	15" Diameter, Bell And Spigot Cast Iron Pipe	326.46	46.80
		For Above Ground Cast Iron Pipe Installation, Add	*3.51*	
		For Extra Heavy Pipe, Add	*107.65*	
		For Work In Restricted Working Space, Add	*21.05*	
22 13 16 00-0030		**Bell And Spigot Cast Iron Fittings** *(22 13 16 00-0019)*		
22 13 16 00-0031		**Bell And Spigot Cast Iron Long Sweeps** *(22 13 16 00-0030)*		
22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	114.62	32.48
		For Extra Heavy Fittings, Add	*23.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.43*	
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	194.99	40.85
		For Extra Heavy Fittings, Add	*46.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.35*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	259.77	54.32
		For Extra Heavy Fittings, Add	*62.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	406.49	70.84
		For Extra Heavy Fittings, Add	*105.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.85*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	806.79	91.41
		For Extra Heavy Fittings, Add	*234.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.85*	
		For Work In Restricted Working Space, Add	*41.10*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	1,104.14	112.45
		For Extra Heavy Fittings, Add	*327.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.59*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,693.88	156.95
		For Extra Heavy Fittings, Add	*510.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.77*	
		For Work In Restricted Working Space, Add	*70.60*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	3,148.64	218.54
		For Extra Heavy Fittings, Add	*987.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.38*	
		For Work In Restricted Working Space, Add	*98.30*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	97.21	32.48
		For Extra Heavy Fittings, Add	*16.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.43*	
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	165.77	40.85
		For Extra Heavy Fittings, Add	*36.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.35*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	226.91	54.32
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	341.84	60.21
		For Extra Heavy Fittings, Add	*88.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.51*	
		For Work In Restricted Working Space, Add	*27.08*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	412.75	70.84
		For Extra Heavy Fittings, Add	*107.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.85*	
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	680.85	91.41
		For Extra Heavy Fittings, Add	*190.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.85*	
		For Work In Restricted Working Space, Add	*41.10*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	996.68	112.45
		For Extra Heavy Fittings, Add	*289.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.59*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,653.80	156.95
		For Extra Heavy Fittings, Add	*496.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.77*	
		For Work In Restricted Working Space, Add	*70.60*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	87.34	32.36
		For Extra Heavy Fittings, Add	*13.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.43*	
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	132.13	36.44
		For Extra Heavy Fittings, Add	*27.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.73*	
		For Work In Restricted Working Space, Add	*16.40*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	189.05	48.54
		For Extra Heavy Fittings, Add	*40.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.64*	
		For Work In Restricted Working Space, Add	*21.83*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	236.75	53.78
		For Extra Heavy Fittings, Add	*54.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.03*	
		For Work In Restricted Working Space, Add	*24.17*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	284.77	64.40
		For Extra Heavy Fittings, Add	*65.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.83*	
		For Work In Restricted Working Space, Add	*28.99*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	593.02	84.17
		For Extra Heavy Fittings, Add	*163.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.31*	
		For Work In Restricted Working Space, Add	*37.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	875.46	102.14
		For Extra Heavy Fittings, Add	*252.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.66*	
		For Work In Restricted Working Space, Add	*45.94*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	1,154.77	120.56
		For Extra Heavy Fittings, Add	*340.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.04*	
		For Work In Restricted Working Space, Add	*54.24*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,955.64	190.16
		For Extra Heavy Fittings, Add	*934.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.25*	
		For Work In Restricted Working Space, Add	*85.52*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	79.62	32.48
		For Extra Heavy Fittings, Add	*10.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.43*	
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	125.04	40.85
		For Extra Heavy Fittings, Add	*22.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.35*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	178.31	54.32
		For Extra Heavy Fittings, Add	*33.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	223.04	67.30
		For Extra Heavy Fittings, Add	*42.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.04*	
		For Work In Restricted Working Space, Add	*30.26*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	258.05	75.03
		For Extra Heavy Fittings, Add	*50.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.77*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	515.24	100.83
		For Extra Heavy Fittings, Add	*127.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.56*	
		For Work In Restricted Working Space, Add	*45.35*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	721.28	124.40
		For Extra Heavy Fittings, Add	*187.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.33*	
		For Work In Restricted Working Space, Add	*55.97*	
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	1,167.07	161.33
		For Extra Heavy Fittings, Add	*323.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.09*	
		For Work In Restricted Working Space, Add	*72.54*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	2,241.30	190.16
		For Extra Heavy Fittings, Add	*684.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.25*	
		For Work In Restricted Working Space, Add	*85.52*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	138.59	72.54
		For Extra Heavy Fittings, Add	*10.42*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.44*	
		For Work In Restricted Working Space, Add	*32.65*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	174.89	79.45
		For Extra Heavy Fittings, Add	*19.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.96*	
		For Work In Restricted Working Space, Add	*35.74*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	230.28	104.12
		For Extra Heavy Fittings, Add	*25.98*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.80*	
		For Work In Restricted Working Space, Add	*46.82*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	297.36	115.82
		For Extra Heavy Fittings, Add	*43.28*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.68*	
		For Work In Restricted Working Space, Add	*52.11*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	373.41	137.28
		For Extra Heavy Fittings, Add	*58.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.29*	
		For Work In Restricted Working Space, Add	*61.76*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	686.96	184.13
		For Extra Heavy Fittings, Add	*143.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.80*	
		For Work In Restricted Working Space, Add	*82.82*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	965.31	208.90
		For Extra Heavy Fittings, Add	*228.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.66*	
		For Work In Restricted Working Space, Add	*93.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,430.40	254.28
		For Extra Heavy Fittings, Add	*367.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.06*	
		For Work In Restricted Working Space, Add	*114.37*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	2,224.27	285.29
		For Extra Heavy Fittings, Add	*628.80*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.39*	
		For Work In Restricted Working Space, Add	*128.31*	
22 13 16 00-0079		**Bell And Spigot Cast Iron Reducing Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	220.79	75.82
		For Extra Heavy Fittings, Add	*37.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.11*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	268.68	93.71
		For Extra Heavy Fittings, Add	*44.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.17*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	300.10	96.08
		For Extra Heavy Fittings, Add	*54.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.24*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	444.31	123.01
		For Extra Heavy Fittings, Add	*90.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.22*	
		For Work In Restricted Working Space, Add	*55.30*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	455.86	125.26
		For Extra Heavy Fittings, Add	*93.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.39*	
		For Work In Restricted Working Space, Add	*56.35*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	477.05	133.64
		For Extra Heavy Fittings, Add	*96.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.11*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	704.17	148.07
		For Extra Heavy Fittings, Add	*168.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.10*	
		For Work In Restricted Working Space, Add	*66.59*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	736.27	150.92
		For Extra Heavy Fittings, Add	*178.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.31*	
		For Work In Restricted Working Space, Add	*67.87*	
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	753.82	158.05
		For Extra Heavy Fittings, Add	*180.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.85*	
		For Work In Restricted Working Space, Add	*71.09*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	891.27	175.80
		For Extra Heavy Fittings, Add	*219.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.18*	
		For Work In Restricted Working Space, Add	*79.09*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,101.81	164.73
		For Extra Heavy Fittings, Add	*299.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.35*	
		For Work In Restricted Working Space, Add	*74.10*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,146.13	171.97
		For Extra Heavy Fittings, Add	*310.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.89*	
		For Work In Restricted Working Space, Add	*77.36*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,253.77	190.16
		For Extra Heavy Fittings, Add	*339.05*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.25*	
		For Work In Restricted Working Space, Add	*85.52*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,660.41	201.67
		For Extra Heavy Fittings, Add	*475.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.12*	
		For Work In Restricted Working Space, Add	*90.71*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,709.31	201.67
		For Extra Heavy Fittings, Add	*492.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.12*	
		For Work In Restricted Working Space, Add	*90.71*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,778.57	218.54
		For Extra Heavy Fittings, Add	*507.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.38*	
		For Work In Restricted Working Space, Add	*98.30*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,090.01	229.39
		For Extra Heavy Fittings, Add	*611.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.19*	
		For Work In Restricted Working Space, Add	*103.15*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,542.87	236.19
		For Extra Heavy Fittings, Add	*766.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.71*	
		For Work In Restricted Working Space, Add	*106.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,213.72	222.71
		For Extra Heavy Fittings, Add	*1,357.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.70*	
		For Work In Restricted Working Space, Add	*100.17*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,397.22	241.01
		For Extra Heavy Fittings, Add	*1,412.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.07*	
		For Work In Restricted Working Space, Add	*108.43*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,487.04	251.42
		For Extra Heavy Fittings, Add	*1,438.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.85*	
		For Work In Restricted Working Space, Add	*113.09*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,591.38	259.97
		For Extra Heavy Fittings, Add	*1,470.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.48*	
		For Work In Restricted Working Space, Add	*116.91*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	4,706.96	275.10
		For Extra Heavy Fittings, Add	*1,503.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.62*	
		For Work In Restricted Working Space, Add	*123.73*	
22 13 16 00-0103		**Bell And Spigot Cast Iron Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	151.34	72.54
		For Extra Heavy Fittings, Add	*14.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.44*	
		For Work In Restricted Working Space, Add	*32.65*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	182.75	79.45
		For Extra Heavy Fittings, Add	*22.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.96*	
		For Work In Restricted Working Space, Add	*35.74*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	243.96	104.12
		For Extra Heavy Fittings, Add	*30.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.80*	
		For Work In Restricted Working Space, Add	*46.82*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	341.38	121.50
		For Extra Heavy Fittings, Add	*55.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.11*	
		For Work In Restricted Working Space, Add	*54.63*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	427.58	150.70
		For Extra Heavy Fittings, Add	*70.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.77*	
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	788.14	198.27
		For Extra Heavy Fittings, Add	*171.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.86*	
		For Work In Restricted Working Space, Add	*89.17*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,138.67	259.97
		For Extra Heavy Fittings, Add	*262.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.48*	
		For Work In Restricted Working Space, Add	*116.91*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,527.41	334.17
		For Extra Heavy Fittings, Add	*359.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*25.05*	
		For Work In Restricted Working Space, Add	*150.31*	
22 13 16 00-0112		**Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0030)*		
22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	161.43	75.82
		For Extra Heavy Fittings, Add	*16.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.11*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	228.21	93.71
		For Extra Heavy Fittings, Add	*30.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.03*	
		For Work In Restricted Working Space, Add	*42.17*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	246.69	96.08
		For Extra Heavy Fittings, Add	*35.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.21*	
		For Work In Restricted Working Space, Add	*43.24*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	367.71	123.01
		For Extra Heavy Fittings, Add	*64.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.22*	
		For Work In Restricted Working Space, Add	*55.30*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	383.14	125.26
		For Extra Heavy Fittings, Add	*68.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.39*	
		For Work In Restricted Working Space, Add	*56.35*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	406.09	133.64
		For Extra Heavy Fittings, Add	*72.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	561.89	148.07
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.10*	
		For Work In Restricted Working Space, Add	*66.59*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	576.88	158.05
		For Extra Heavy Fittings, Add	*118.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.85*	
		For Work In Restricted Working Space, Add	*71.09*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	730.25	175.80
		For Extra Heavy Fittings, Add	*163.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.18*	
		For Work In Restricted Working Space, Add	*79.09*	
22 13 16 00-0122		**Bell And Spigot Cast Iron Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	247.69	86.80
		For Extra Heavy Fittings, Add	*41.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.50*	
		For Work In Restricted Working Space, Add	*39.02*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	361.47	109.43
		For Extra Heavy Fittings, Add	*69.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.20*	
		For Work In Restricted Working Space, Add	*49.20*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	491.07	138.40
		For Extra Heavy Fittings, Add	*99.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.38*	
		For Work In Restricted Working Space, Add	*62.27*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	945.12	210.92
		For Extra Heavy Fittings, Add	*220.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.81*	
		For Work In Restricted Working Space, Add	*94.87*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,903.87	248.90
		For Extra Heavy Fittings, Add	*535.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.66*	
		For Work In Restricted Working Space, Add	*111.93*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,526.43	278.49
		For Extra Heavy Fittings, Add	*738.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.88*	
		For Work In Restricted Working Space, Add	*125.26*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,742.54	334.17
		For Extra Heavy Fittings, Add	*434.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*25.05*	
		For Work In Restricted Working Space, Add	*150.31*	
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,952.40	350.73
		For Extra Heavy Fittings, Add	*1,549.21*	
		For Above Ground Cast Iron Pipe Installation, Add	*26.31*	
		For Work In Restricted Working Space, Add	*157.83*	
22 13 16 00-0131		**Bell And Spigot Cast Iron Reducing Double Wyes** *(22 13 16 00-0030)*		
22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	223.32	102.65
		For Extra Heavy Fittings, Add	*24.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.70*	
		For Work In Restricted Working Space, Add	*46.18*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	259.59	117.92
		For Extra Heavy Fittings, Add	*28.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.84*	
		For Work In Restricted Working Space, Add	*53.05*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	281.40	123.69
		For Extra Heavy Fittings, Add	*33.56*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.28*	
		For Work In Restricted Working Space, Add	*55.66*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	362.43	146.31
		For Extra Heavy Fittings, Add	*50.09*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.97*	
		For Work In Restricted Working Space, Add	*65.80*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	384.41	151.88
		For Extra Heavy Fittings, Add	*54.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.38*	
		For Work In Restricted Working Space, Add	*68.30*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	442.91	165.63
		For Extra Heavy Fittings, Add	*68.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.42*	
		For Work In Restricted Working Space, Add	*74.49*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	719.59	191.80
		For Extra Heavy Fittings, Add	*151.24*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.37*	
		For Work In Restricted Working Space, Add	*86.24*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	782.58	226.98
		For Extra Heavy Fittings, Add	*154.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.02*	
		For Work In Restricted Working Space, Add	*102.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	766.51	205.17
		For Extra Heavy Fittings, Add	*160.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.38*	
		For Work In Restricted Working Space, Add	*92.30*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	893.19	241.01
		For Extra Heavy Fittings, Add	*186.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.07*	
		For Work In Restricted Working Space, Add	*108.43*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,102.94	262.71
		For Extra Heavy Fittings, Add	*248.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*19.69*	
		For Work In Restricted Working Space, Add	*118.17*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	1,126.54	268.74
		For Extra Heavy Fittings, Add	*253.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*20.15*	
		For Work In Restricted Working Space, Add	*120.88*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,443.45	292.41
		For Extra Heavy Fittings, Add	*351.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.92*	
		For Work In Restricted Working Space, Add	*131.52*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	205.53	86.80
		For Extra Heavy Fittings, Add	*26.41*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.50*	
		For Work In Restricted Working Space, Add	*39.02*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	276.85	116.11
		For Extra Heavy Fittings, Add	*35.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.71*	
		For Work In Restricted Working Space, Add	*52.23*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	362.23	145.19
		For Extra Heavy Fittings, Add	*50.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.88*	
		For Work In Restricted Working Space, Add	*65.29*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	801.69	235.72
		For Extra Heavy Fittings, Add	*156.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.67*	
		For Work In Restricted Working Space, Add	*106.03*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	275.33	104.12
		For Extra Heavy Fittings, Add	*41.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.80*	
		For Work In Restricted Working Space, Add	*46.82*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	327.10	117.92
		For Extra Heavy Fittings, Add	*52.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.84*	
		For Work In Restricted Working Space, Add	*53.05*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	367.30	131.28
		For Extra Heavy Fittings, Add	*59.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.84*	
		For Work In Restricted Working Space, Add	*59.03*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	742.18	175.82
		For Extra Heavy Fittings, Add	*167.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.18*	
		For Work In Restricted Working Space, Add	*79.09*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	167.71	72.65
		For Extra Heavy Fittings, Add	*20.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.45*	
		For Work In Restricted Working Space, Add	*32.67*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	190.92	79.45
		For Extra Heavy Fittings, Add	*25.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.96*	
		For Work In Restricted Working Space, Add	*35.74*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	309.40	97.32
		For Extra Heavy Fittings, Add	*57.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.80*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	451.61	107.12
		For Extra Heavy Fittings, Add	*101.82*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.03*	
		For Work In Restricted Working Space, Add	*48.21*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	541.77	128.49
		For Extra Heavy Fittings, Add	*122.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.63*	
		For Work In Restricted Working Space, Add	*57.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	1,171.44	168.24
		For Extra Heavy Fittings, Add	*321.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.61*	
		For Work In Restricted Working Space, Add	*75.67*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,763.51	205.17
		For Extra Heavy Fittings, Add	*509.55*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.38*	
		For Work In Restricted Working Space, Add	*92.30*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,635.59	241.01
		For Extra Heavy Fittings, Add	*795.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.07*	
		For Work In Restricted Working Space, Add	*108.43*	
22 13 16 00-0164		**Bell And Spigot Cast Iron Reducing Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	226.37	75.82
		For Extra Heavy Fittings, Add	*39.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.69*	
		For Work In Restricted Working Space, Add	*34.11*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	268.08	88.83
		For Extra Heavy Fittings, Add	*47.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.66*	
		For Work In Restricted Working Space, Add	*39.94*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	281.08	88.83
		For Extra Heavy Fittings, Add	*51.78*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.66*	
		For Work In Restricted Working Space, Add	*39.94*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	426.98	123.01
		For Extra Heavy Fittings, Add	*84.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.22*	
		For Work In Restricted Working Space, Add	*55.30*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	444.72	125.26
		For Extra Heavy Fittings, Add	*89.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.39*	
		For Work In Restricted Working Space, Add	*56.35*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	482.62	133.64
		For Extra Heavy Fittings, Add	*98.79*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.11*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	827.48	158.05
		For Extra Heavy Fittings, Add	*206.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.85*	
		For Work In Restricted Working Space, Add	*71.09*	
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	1,040.45	175.80
		For Extra Heavy Fittings, Add	*271.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.18*	
		For Work In Restricted Working Space, Add	*79.09*	
22 13 16 00-0173		**Bell And Spigot Cast Iron Vent Tees** *(22 13 16 00-0030)*		
22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	143.17	72.54
		For Extra Heavy Fittings, Add	*12.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.44*	
		For Work In Restricted Working Space, Add	*32.65*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	178.91	79.45
		For Extra Heavy Fittings, Add	*20.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.96*	
		For Work In Restricted Working Space, Add	*35.74*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	237.09	104.12
		For Extra Heavy Fittings, Add	*28.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.80*	
		For Work In Restricted Working Space, Add	*46.82*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	303.00	121.50
		For Extra Heavy Fittings, Add	*42.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.11*	
		For Work In Restricted Working Space, Add	*54.63*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	381.65	150.70
		For Extra Heavy Fittings, Add	*54.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.30*	
		For Work In Restricted Working Space, Add	*67.77*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	659.64	198.27
		For Extra Heavy Fittings, Add	*126.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.86*	
		For Work In Restricted Working Space, Add	*89.17*	
22 13 16 00-0180		**Bell And Spigot Cast Iron Tapped Sanitary Tees** *(22 13 16 00-0030)*		
22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	147.20	72.54
		For Extra Heavy Fittings, Add	*13.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.44*	
		For Work In Restricted Working Space, Add	*32.65*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	162.51	79.45
		For Extra Heavy Fittings, Add	*15.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.96*	
		For Work In Restricted Working Space, Add	*35.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	209.54	104.12
		For Extra Heavy Fittings, Add	*18.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.80*	
		For Work In Restricted Working Space, Add	*46.82*	
22 13 16 00-0184		**Bell And Spigot Cast Iron Tapped Sanitary Crosses** *(22 13 16 00-0030)*		
22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	149.74	72.54
		For Extra Heavy Fittings, Add	*14.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.44*	
		For Work In Restricted Working Space, Add	*32.65*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	167.34	79.45
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.96*	
		For Work In Restricted Working Space, Add	*35.74*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	221.67	104.12
		For Extra Heavy Fittings, Add	*22.96*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.80*	
		For Work In Restricted Working Space, Add	*46.82*	
22 13 16 00-0188		**Bell And Spigot Cast Iron Reducers** *(22 13 16 00-0030)*		
22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	82.90	40.85
		For Extra Heavy Fittings, Add	*7.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.35*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	103.56	53.87
		For Extra Heavy Fittings, Add	*7.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.04*	
		For Work In Restricted Working Space, Add	*24.25*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	110.94	54.32
		For Extra Heavy Fittings, Add	*10.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	140.48	65.05
		For Extra Heavy Fittings, Add	*15.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.88*	
		For Work In Restricted Working Space, Add	*29.27*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	147.08	65.91
		For Extra Heavy Fittings, Add	*16.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.94*	
		For Work In Restricted Working Space, Add	*29.66*	
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	151.85	67.30
		For Extra Heavy Fittings, Add	*17.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.04*	
		For Work In Restricted Working Space, Add	*30.26*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	198.13	69.34
		For Extra Heavy Fittings, Add	*32.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.20*	
		For Work In Restricted Working Space, Add	*31.19*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	223.14	85.38
		For Extra Heavy Fittings, Add	*33.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.40*	
		For Work In Restricted Working Space, Add	*38.40*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	229.02	87.57
		For Extra Heavy Fittings, Add	*34.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.57*	
		For Work In Restricted Working Space, Add	*39.40*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	236.47	91.41
		For Extra Heavy Fittings, Add	*34.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.85*	
		For Work In Restricted Working Space, Add	*41.10*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	296.20	102.59
		For Extra Heavy Fittings, Add	*49.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.69*	
		For Work In Restricted Working Space, Add	*46.15*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	312.32	107.74
		For Extra Heavy Fittings, Add	*52.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.08*	
		For Work In Restricted Working Space, Add	*48.48*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	332.96	112.45
		For Extra Heavy Fittings, Add	*57.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.59*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	415.10	121.88
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.13*	
		For Work In Restricted Working Space, Add	*54.80*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	462.44	142.59
		For Extra Heavy Fittings, Add	*87.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.69*	
		For Work In Restricted Working Space, Add	*64.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	499.50	162.43
		For Extra Heavy Fittings, Add	*89.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.18*	
		For Work In Restricted Working Space, Add	*73.07*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	546.53	187.08
		For Extra Heavy Fittings, Add	*93.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.02*	
		For Work In Restricted Working Space, Add	*84.15*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	718.67	187.08
		For Extra Heavy Fittings, Add	*153.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.02*	
		For Work In Restricted Working Space, Add	*84.15*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	764.49	201.67
		For Extra Heavy Fittings, Add	*161.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.12*	
		For Work In Restricted Working Space, Add	*90.71*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	795.83	212.62
		For Extra Heavy Fittings, Add	*166.95*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.94*	
		For Work In Restricted Working Space, Add	*95.65*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	838.36	226.98
		For Extra Heavy Fittings, Add	*174.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.02*	
		For Work In Restricted Working Space, Add	*102.11*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	85.81	32.48
		For Extra Heavy Fittings, Add	*13.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.43*	
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	115.21	40.85
		For Extra Heavy Fittings, Add	*18.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.35*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	157.11	54.32
		For Extra Heavy Fittings, Add	*26.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	252.55	60.21
		For Extra Heavy Fittings, Add	*56.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.51*	
		For Work In Restricted Working Space, Add	*27.08*	
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	339.91	70.84
		For Extra Heavy Fittings, Add	*81.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.31*	
		For Work In Restricted Working Space, Add	*31.85*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	760.94	91.41
		For Extra Heavy Fittings, Add	*218.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.85*	
		For Work In Restricted Working Space, Add	*41.10*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	842.70	112.45
		For Extra Heavy Fittings, Add	*235.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.43*	
		For Work In Restricted Working Space, Add	*50.59*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	99.92	32.48
		For Extra Heavy Fittings, Add	*17.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.43*	
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	142.94	40.85
		For Extra Heavy Fittings, Add	*28.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.06*	
		For Work In Restricted Working Space, Add	*18.35*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	208.67	54.32
		For Extra Heavy Fittings, Add	*44.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.42*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	344.67	67.30
		For Extra Heavy Fittings, Add	*85.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.04*	
		For Work In Restricted Working Space, Add	*30.26*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	365.47	75.03
		For Extra Heavy Fittings, Add	*88.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.63*	
		For Work In Restricted Working Space, Add	*33.77*	

22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	230.05	78.42
		For Above Ground Cast Iron Pipe Installation, Add	*5.96*	
		For Work In Restricted Working Space, Add	*35.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	307.07	103.10
		For Above Ground Cast Iron Pipe Installation, Add	*7.80*	
		For Work In Restricted Working Space, Add	*46.82*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	417.14	116.90
		For Above Ground Cast Iron Pipe Installation, Add	*8.84*	
		For Work In Restricted Working Space, Add	*53.01*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	847.58	132.46
		For Above Ground Cast Iron Pipe Installation, Add	*10.02*	
		For Work In Restricted Working Space, Add	*60.11*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,806.45	156.29
		For Above Ground Cast Iron Pipe Installation, Add	*11.85*	
		For Work In Restricted Working Space, Add	*71.09*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	3,038.27	174.38
		For Above Ground Cast Iron Pipe Installation, Add	*13.18*	
		For Work In Restricted Working Space, Add	*79.09*	

22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent *(22 13 16 00-0030)*

22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	293.62	108.31
		For Above Ground Cast Iron Pipe Installation, Add	*8.20*	
		For Work In Restricted Working Space, Add	*49.20*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	401.99	136.70
		For Above Ground Cast Iron Pipe Installation, Add	*10.38*	
		For Work In Restricted Working Space, Add	*62.27*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	943.32	163.69
		For Above Ground Cast Iron Pipe Installation, Add	*12.42*	
		For Work In Restricted Working Space, Add	*74.49*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	1,093.38	198.14
		For Above Ground Cast Iron Pipe Installation, Add	*15.01*	
		For Work In Restricted Working Space, Add	*90.08*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	3,020.79	189.50
		For Above Ground Cast Iron Pipe Installation, Add	*14.37*	
		For Work In Restricted Working Space, Add	*86.24*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	3,313.31	225.01
		For Above Ground Cast Iron Pipe Installation, Add	*17.02*	
		For Work In Restricted Working Space, Add	*102.11*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	4,410.39	259.65
		For Above Ground Cast Iron Pipe Installation, Add	*19.69*	
		For Work In Restricted Working Space, Add	*118.17*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	6,109.89	300.19
		For Above Ground Cast Iron Pipe Installation, Add	*22.74*	
		For Work In Restricted Working Space, Add	*136.43*	
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	11,915.84	347.22
		For Above Ground Cast Iron Pipe Installation, Add	*26.31*	
		For Work In Restricted Working Space, Add	*157.89*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	181.11	
		For Above Ground Cast Iron Pipe Installation, Add	*2.43*	
		For Work In Restricted Working Space, Add	*14.57*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	250.68	
		For Above Ground Cast Iron Pipe Installation, Add	*2.73*	
		For Work In Restricted Working Space, Add	*16.37*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	288.77	
		For Above Ground Cast Iron Pipe Installation, Add	*3.65*	
		For Work In Restricted Working Space, Add	*21.92*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	356.98	
		For Above Ground Cast Iron Pipe Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	433.56	
		For Above Ground Cast Iron Pipe Installation, Add	*5.13*	
		For Work In Restricted Working Space, Add	*30.76*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	825.73	
		For Above Ground Cast Iron Pipe Installation, Add	*6.48*	
		For Work In Restricted Working Space, Add	*38.87*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe	13.52	
		For Above Ground Cast Iron Pipe Installation, Add	*0.68*	
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0250	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe	14.75	
		For Above Ground Cast Iron Pipe Installation, Add	*0.74*	
		For Work In Restricted Working Space, Add	*4.43*	
22 13 16 00-0251	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe	18.44	
		For Above Ground Cast Iron Pipe Installation, Add	*0.92*	
		For Work In Restricted Working Space, Add	*5.53*	
22 13 16 00-0252	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe	22.12	
		For Above Ground Cast Iron Pipe Installation, Add	*1.11*	
		For Work In Restricted Working Space, Add	*6.64*	
22 13 16 00-0253	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe	29.50	
		For Above Ground Cast Iron Pipe Installation, Add	*1.48*	
		For Work In Restricted Working Space, Add	*8.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0254	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe	34.41	
		For Above Ground Cast Iron Pipe Installation, Add	*1.72*	
		For Work In Restricted Working Space, Add	*10.32*	
22 13 16 00-0255	EA	Cut And Prepare, Existing In-Place 12" Diameter Cast Iron Pipe	40.55	
		For Above Ground Cast Iron Pipe Installation, Add	*2.03*	
		For Work In Restricted Working Space, Add	*12.17*	
22 13 16 00-0256	EA	Cut And Prepare, Existing In-Place 15" Diameter Cast Iron Pipe	46.70	
		For Above Ground Cast Iron Pipe Installation, Add	*2.34*	
		For Work In Restricted Working Space, Add	*14.01*	
22 13 16 00-0257		**Joint Material** *(22 13 16 00-0019)*		
		Note: Labor costs are included in the installation costs for fittings.		
22 13 16 00-0258	LB	Lead (1 Lb./Diameter Inch) Joint Material	6.73	
22 13 16 00-0259	LB	Oakum (1/8 Lb./Diameter Inch) Joint Material	12.82	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.32	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.55	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.65	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	9.38	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	20.68	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	31.72	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	40.40	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	47.99	
22 13 16 00-0268		**No Hub Cast Iron Soil Pipe And Fittings** *(22 13 16)*		
		Note: Service Weight. Excludes hangers.		
22 13 16 00-0269		**No Hub Cast Iron Pipe** *(22 13 16 00-0268)*		
		Note: Excludes couplings.		
22 13 16 00-0270	LF	1-1/2" Diameter, No Hub Cast Iron Pipe	22.05	6.79
		For Work In Restricted Working Space, Add	*3.06*	
		For Below Ground Installation, Add	*0.51*	
22 13 16 00-0271	LF	2" Diameter, No Hub Cast Iron Pipe	23.39	7.24
		For Work In Restricted Working Space, Add	*3.28*	
		For Below Ground Installation, Add	*0.55*	
22 13 16 00-0272	LF	3" Diameter, No Hub Cast Iron Pipe	33.07	10.52
		For Work In Restricted Working Space, Add	*4.75*	
		For Below Ground Installation, Add	*0.79*	
22 13 16 00-0273	LF	4" Diameter, No Hub Cast Iron Pipe	42.89	13.69
		For Work In Restricted Working Space, Add	*6.17*	
		For Below Ground Installation, Add	*1.03*	
22 13 16 00-0274	LF	5" Diameter, No Hub Cast Iron Pipe	55.72	16.42
		For Work In Restricted Working Space, Add	*7.39*	
		For Below Ground Installation, Add	*1.23*	
22 13 16 00-0275	LF	6" Diameter, No Hub Cast Iron Pipe	65.29	17.92
		For Work In Restricted Working Space, Add	*8.05*	
		For Below Ground Installation, Add	*1.34*	
22 13 16 00-0276	LF	8" Diameter, No Hub Cast Iron Pipe	100.13	25.76
		For Work In Restricted Working Space, Add	*11.56*	
		For Below Ground Installation, Add	*1.93*	
22 13 16 00-0277	LF	10" Diameter, No Hub Cast Iron Pipe	145.95	29.27
		For Work In Restricted Working Space, Add	*13.15*	
		For Below Ground Installation, Add	*2.19*	
22 13 16 00-0278		**No Hub Cast Iron Fittings** *(22 13 16 00-0268)*		
22 13 16 00-0279		**No Hub Cast Iron Long Sweeps** *(22 13 16 00-0278)*		
22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	73.42	30.78
		For Work In Restricted Working Space, Add	*13.86*	
		For Below Ground Installation, Add	*2.31*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	76.05	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	90.17	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	125.13	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	177.20	54.20
		For Work In Restricted Working Space, Add	*24.37*	
		For Below Ground Installation, Add	*4.06*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	210.07	64.62
		For Work In Restricted Working Space, Add	*29.09*	
		For Below Ground Installation, Add	*4.85*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	434.53	83.52
		For Work In Restricted Working Space, Add	*37.58*	
		For Below Ground Installation, Add	*6.26*	
22 13 16 00-0287		**No Hub Cast Iron Reducing Long Sweeps** *(22 13 16 00-0278)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	118.98	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	180.04	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	70.26	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	85.59	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	122.73	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	178.10	54.20
		For Work In Restricted Working Space, Add	*24.37*	
		For Below Ground Installation, Add	*4.06*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	196.01	64.62
		For Work In Restricted Working Space, Add	*29.09*	
		For Below Ground Installation, Add	*4.85*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	392.03	83.52
		For Work In Restricted Working Space, Add	*37.58*	
		For Below Ground Installation, Add	*6.26*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	644.62	116.94
		For Work In Restricted Working Space, Add	*52.61*	
		For Below Ground Installation, Add	*8.77*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	63.34	30.78
		For Work In Restricted Working Space, Add	*13.86*	
		For Below Ground Installation, Add	*2.31*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	66.28	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	79.12	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	108.44	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	160.35	54.20
		For Work In Restricted Working Space, Add	*24.37*	
		For Below Ground Installation, Add	*4.06*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	184.65	64.62
		For Work In Restricted Working Space, Add	*29.09*	
		For Below Ground Installation, Add	*4.85*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	358.94	83.52
		For Work In Restricted Working Space, Add	*37.58*	
		For Below Ground Installation, Add	*6.26*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	59.65	30.78
		For Work In Restricted Working Space, Add	*13.86*	
		For Below Ground Installation, Add	*2.31*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	61.91	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	74.83	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	98.81	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	166.67	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	298.21	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Below Ground Installation, Add	*7.07*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	469.76	116.11
		For Work In Restricted Working Space, Add	*52.23*	
		For Below Ground Installation, Add	*8.71*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	96.46	48.43
		For Work In Restricted Working Space, Add	*21.76*	
		For Below Ground Installation, Add	*3.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	122.63	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	140.87	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	195.17	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Below Ground Installation, Add	*7.07*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	274.38	105.52
		For Work In Restricted Working Space, Add	*47.45*	
		For Below Ground Installation, Add	*7.91*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	325.56	125.26
		For Work In Restricted Working Space, Add	*56.35*	
		For Below Ground Installation, Add	*9.39*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	574.09	167.14
		For Work In Restricted Working Space, Add	*75.16*	
		For Below Ground Installation, Add	*12.53*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	978.96	185.66
		For Work In Restricted Working Space, Add	*83.51*	
		For Below Ground Installation, Add	*13.92*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	120.02	62.69
		For Work In Restricted Working Space, Add	*28.18*	
		For Below Ground Installation, Add	*4.70*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	133.88	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	152.51	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For Below Ground Installation, Add	*5.96*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	177.11	88.27
		For Work In Restricted Working Space, Add	*39.71*	
		For Below Ground Installation, Add	*6.62*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	234.10	106.58
		For Work In Restricted Working Space, Add	*47.96*	
		For Below Ground Installation, Add	*7.99*	
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	250.68	111.41
		For Work In Restricted Working Space, Add	*50.09*	
		For Below Ground Installation, Add	*8.35*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	286.84	130.20
		For Work In Restricted Working Space, Add	*58.55*	
		For Below Ground Installation, Add	*9.76*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	382.28	131.41
		For Work In Restricted Working Space, Add	*59.11*	
		For Below Ground Installation, Add	*9.85*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	445.29	144.45
		For Work In Restricted Working Space, Add	*64.95*	
		For Below Ground Installation, Add	*10.82*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	715.25	153.88
		For Work In Restricted Working Space, Add	*69.22*	
		For Below Ground Installation, Add	*11.54*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	753.93	164.73
		For Work In Restricted Working Space, Add	*74.10*	
		For Below Ground Installation, Add	*12.35*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	872.48	175.91
		For Work In Restricted Working Space, Add	*79.11*	
		For Below Ground Installation, Add	*13.19*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	108.67	56.36
		For Work In Restricted Working Space, Add	*25.34*	
		For Below Ground Installation, Add	*4.22*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	123.61	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	148.24	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	216.01	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Below Ground Installation, Add	*7.07*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	405.29	145.19
		For Work In Restricted Working Space, Add	*65.29*	
		For Below Ground Installation, Add	*10.88*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	750.12	186.27
		For Work In Restricted Working Space, Add	*83.79*	
		For Below Ground Installation, Add	*13.96*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	878.25	225.20
		For Work In Restricted Working Space, Add	*101.29*	
		For Below Ground Installation, Add	*16.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0344		**No Hub Cast Iron Reducing Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	124.81	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	137.56	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	159.89	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For Below Ground Installation, Add	*5.96*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	184.26	88.27
		For Work In Restricted Working Space, Add	*39.71*	
		For Below Ground Installation, Add	*6.62*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	255.53	106.58
		For Work In Restricted Working Space, Add	*47.96*	
		For Below Ground Installation, Add	*7.99*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	288.14	111.41
		For Work In Restricted Working Space, Add	*50.09*	
		For Below Ground Installation, Add	*8.35*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	319.64	130.20
		For Work In Restricted Working Space, Add	*58.55*	
		For Below Ground Installation, Add	*9.76*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	443.58	131.41
		For Work In Restricted Working Space, Add	*59.11*	
		For Below Ground Installation, Add	*9.85*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	585.41	144.45
		For Work In Restricted Working Space, Add	*64.95*	
		For Below Ground Installation, Add	*10.82*	
22 13 16 00-0354		**No Hub Cast Iron Double Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	156.11	81.59
		For Work In Restricted Working Space, Add	*36.70*	
		For Below Ground Installation, Add	*6.12*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	211.19	99.37
		For Work In Restricted Working Space, Add	*44.67*	
		For Below Ground Installation, Add	*7.45*	
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	290.99	108.64
		For Work In Restricted Working Space, Add	*48.85*	
		For Below Ground Installation, Add	*8.14*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	457.48	157.90
		For Work In Restricted Working Space, Add	*71.00*	
		For Below Ground Installation, Add	*11.83*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	916.86	212.62
		For Work In Restricted Working Space, Add	*95.65*	
		For Below Ground Installation, Add	*15.94*	
22 13 16 00-0360		**No Hub Cast Iron Reducing Double Wyes** *(22 13 16 00-0278)*		
22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	188.93	90.42
		For Work In Restricted Working Space, Add	*40.66*	
		For Below Ground Installation, Add	*6.78*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	227.85	104.12
		For Work In Restricted Working Space, Add	*46.83*	
		For Below Ground Installation, Add	*7.81*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	251.10	113.51
		For Work In Restricted Working Space, Add	*51.05*	
		For Below Ground Installation, Add	*8.51*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	387.79	139.22
		For Work In Restricted Working Space, Add	*62.61*	
		For Below Ground Installation, Add	*10.44*	
22 13 16 00-0365		**No Hub Cast Iron Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		
22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	206.16	98.01
		For Work In Restricted Working Space, Add	*44.09*	
		For Below Ground Installation, Add	*7.35*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	254.51	108.64
		For Work In Restricted Working Space, Add	*48.85*	
		For Below Ground Installation, Add	*8.14*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	390.66	143.84
		For Work In Restricted Working Space, Add	*64.67*	
		For Below Ground Installation, Add	*10.78*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	537.28	222.04
		For Work In Restricted Working Space, Add	*99.86*	
		For Below Ground Installation, Add	*16.64*	
22 13 16 00-0370		**No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends** *(22 13 16 00-0278)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	195.11	84.31
		For Work In Restricted Working Space, Add	*37.93*	
		For Below Ground Installation, Add	*6.32*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	226.10	98.01
		For Work In Restricted Working Space, Add	*44.09*	
		For Below Ground Installation, Add	*7.35*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	275.53	107.06
		For Work In Restricted Working Space, Add	*48.16*	
		For Below Ground Installation, Add	*8.03*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	93.88	47.42
		For Work In Restricted Working Space, Add	*21.35*	
		For Below Ground Installation, Add	*3.56*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	123.83	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	138.17	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	189.01	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Below Ground Installation, Add	*7.07*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	275.66	105.52
		For Work In Restricted Working Space, Add	*47.45*	
		For Below Ground Installation, Add	*7.91*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	324.65	125.26
		For Work In Restricted Working Space, Add	*56.35*	
		For Below Ground Installation, Add	*9.39*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	650.13	167.14
		For Work In Restricted Working Space, Add	*75.16*	
		For Below Ground Installation, Add	*12.53*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	105.68	53.53
		For Work In Restricted Working Space, Add	*24.08*	
		For Below Ground Installation, Add	*4.01*	
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	122.13	62.69
		For Work In Restricted Working Space, Add	*28.18*	
		For Below Ground Installation, Add	*4.70*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	126.62	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	155.72	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	169.32	88.83
		For Work In Restricted Working Space, Add	*39.94*	
		For Below Ground Installation, Add	*6.66*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	176.39	88.83
		For Work In Restricted Working Space, Add	*39.94*	
		For Below Ground Installation, Add	*6.66*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	234.29	100.25
		For Work In Restricted Working Space, Add	*45.08*	
		For Below Ground Installation, Add	*7.51*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	244.15	100.25
		For Work In Restricted Working Space, Add	*45.08*	
		For Below Ground Installation, Add	*7.51*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	245.35	100.25
		For Work In Restricted Working Space, Add	*45.08*	
		For Below Ground Installation, Add	*7.51*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	254.39	104.44
		For Work In Restricted Working Space, Add	*46.96*	
		For Below Ground Installation, Add	*7.83*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	509.05	140.95
		For Work In Restricted Working Space, Add	*63.38*	
		For Below Ground Installation, Add	*10.56*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	73.65	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	85.81	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	104.30	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	69.21	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	89.05	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	132.50	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	223.83	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	311.35	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Below Ground Installation, Add	*7.07*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	372.77	143.39
		For Work In Restricted Working Space, Add	*64.51*	
		For Below Ground Installation, Add	*10.75*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	57.10	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	69.27	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	99.71	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	157.65	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	209.99	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Below Ground Installation, Add	*7.07*	

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	125.79	63.38
		For Work In Restricted Working Space, Add	*28.53*	
		For Below Ground Installation, Add	*4.76*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	136.77	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	168.18	71.87
		For Work In Restricted Working Space, Add	*32.33*	
		For Below Ground Installation, Add	*5.39*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	254.97	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Below Ground Installation, Add	*7.07*	

22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0418	EA	3" x 2" No Hub Cast Iron Sanitary Cross	180.73	84.31
		For Work In Restricted Working Space, Add	*37.93*	
		For Below Ground Installation, Add	*6.32*	
22 13 16 00-0419	EA	4" x 2" No Hub Cast Iron Sanitary Cross	206.86	86.80
		For Work In Restricted Working Space, Add	*39.04*	
		For Below Ground Installation, Add	*6.51*	
22 13 16 00-0420	EA	4" x 3" No Hub Cast Iron Sanitary Cross	228.42	90.65
		For Work In Restricted Working Space, Add	*40.75*	
		For Below Ground Installation, Add	*6.79*	

22 13 16 00-0421 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	111.27	65.64
		For Work In Restricted Working Space, Add	*29.52*	
		For Below Ground Installation, Add	*4.92*	
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	152.77	88.83
		For Work In Restricted Working Space, Add	*39.94*	
		For Below Ground Installation, Add	*6.66*	
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	153.37	88.83
		For Work In Restricted Working Space, Add	*39.94*	
		For Below Ground Installation, Add	*6.66*	
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	179.09	100.25
		For Work In Restricted Working Space, Add	*45.08*	
		For Below Ground Installation, Add	*7.51*	
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	183.07	100.25
		For Work In Restricted Working Space, Add	*45.08*	
		For Below Ground Installation, Add	*7.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	184.65	100.25
		For Work In Restricted Working Space, Add	*45.08*	
		For Below Ground Installation, Add	*7.51*	
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	216.69	111.41
		For Work In Restricted Working Space, Add	*50.09*	
		For Below Ground Installation, Add	*8.35*	
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	217.29	111.41
		For Work In Restricted Working Space, Add	*50.09*	
		For Below Ground Installation, Add	*8.35*	
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	219.09	111.41
		For Work In Restricted Working Space, Add	*50.09*	
		For Below Ground Installation, Add	*8.35*	
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	300.08	155.96
		For Work In Restricted Working Space, Add	*70.15*	
		For Below Ground Installation, Add	*11.69*	
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	304.67	155.96
		For Work In Restricted Working Space, Add	*70.15*	
		For Below Ground Installation, Add	*11.69*	
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	312.04	155.96
		For Work In Restricted Working Space, Add	*70.15*	
		For Below Ground Installation, Add	*11.69*	
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	319.71	155.96
		For Work In Restricted Working Space, Add	*70.15*	
		For Below Ground Installation, Add	*11.69*	
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	320.62	155.96
		For Work In Restricted Working Space, Add	*70.15*	
		For Below Ground Installation, Add	*11.69*	
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	388.90	164.51
		For Work In Restricted Working Space, Add	*73.98*	
		For Below Ground Installation, Add	*12.33*	
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	417.01	171.74
		For Work In Restricted Working Space, Add	*77.27*	
		For Below Ground Installation, Add	*12.88*	
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	470.52	186.43
		For Work In Restricted Working Space, Add	*83.84*	
		For Below Ground Installation, Add	*13.97*	

22 13 16 00-0439 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	30.47	15.41
		For Work In Restricted Working Space, Add	*6.93*	
		For Below Ground Installation, Add	*1.16*	
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	31.16	16.07
		For Work In Restricted Working Space, Add	*7.23*	
		For Below Ground Installation, Add	*1.20*	
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	40.16	18.45
		For Work In Restricted Working Space, Add	*8.28*	
		For Below Ground Installation, Add	*1.38*	
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	53.32	24.33
		For Work In Restricted Working Space, Add	*10.94*	
		For Below Ground Installation, Add	*1.82*	
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	72.61	27.59
		For Work In Restricted Working Space, Add	*12.40*	
		For Below Ground Installation, Add	*2.07*	
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	80.11	32.31
		For Work In Restricted Working Space, Add	*14.56*	
		For Below Ground Installation, Add	*2.43*	
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	162.25	41.75
		For Work In Restricted Working Space, Add	*18.78*	
		For Below Ground Installation, Add	*3.13*	
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	210.68	44.94
		For Work In Restricted Working Space, Add	*20.22*	
		For Below Ground Installation, Add	*3.37*	

22 13 16 00-0448 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	74.25	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Below Ground Installation, Add	*2.41*	
22 13 16 00-0450	EA	3" No Hub Cast Iron P-Trap	114.69	36.78
		For Work In Restricted Working Space, Add	*16.56*	
		For Below Ground Installation, Add	*2.76*	
22 13 16 00-0451	EA	4" No Hub Cast Iron P-Trap	176.35	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0452	EA	5" No Hub Cast Iron P-Trap	318.33	54.64
		For Work In Restricted Working Space, Add	*24.56*	
		For Below Ground Installation, Add	*4.09*	
22 13 16 00-0453	EA	6" No Hub Cast Iron P-Trap	334.38	65.15
		For Work In Restricted Working Space, Add	*29.30*	
		For Below Ground Installation, Add	*4.88*	

22 13 16 00-0454 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0455	EA	2" No Hub Cast Iron Deep Seal P-Trap	123.45	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Below Ground Installation, Add	*3.06*	
22 13 16 00-0456	EA	3" No Hub Cast Iron Deep Seal P-Trap	180.77	54.32
		For Work In Restricted Working Space, Add	*24.42*	
		For Below Ground Installation, Add	*4.07*	
22 13 16 00-0457	EA	4" No Hub Cast Iron Deep Seal P-Trap	266.96	71.74
		For Work In Restricted Working Space, Add	*32.25*	
		For Below Ground Installation, Add	*5.38*	

22 13 16 00-0458 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0459	EA	4" No Hub Cast Iron Closet Flange	114.38	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	
22 13 16 00-0460	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	122.96	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	

22 13 16 00-0461 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0462	EA	4" x 16" No Hub Cast Iron Closet Bend	234.94	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Below Ground Installation, Add	*3.65*	

22 13 16 00-0463 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0464	EA	1-1/4" No Hub Cast Iron Threaded Adapter	83.58	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Below Ground Installation, Add	*3.06*	
22 13 16 00-0465	EA	1-1/2" No Hub Cast Iron Threaded Adapter	90.50	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Below Ground Installation, Add	*3.06*	

22 13 16 00-0466 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH). Labor costs are included in the installation costs for fittings.

22 13 16 00-0467	EA	1-1/2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0468	EA	2" No Hub Coupling	9.22	
		For Medium Duty (Fernco MD-2000), Add	*1.20*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.49*	
22 13 16 00-0469	EA	3" No Hub Coupling	10.95	
		For Medium Duty (Fernco MD-2000), Add	*1.42*	
		For Heavy-Duty (Fernco HD-4000), Add	*2.96*	
22 13 16 00-0470	EA	4" No Hub Coupling	13.00	
		For Medium Duty (Fernco MD-2000), Add	*1.69*	
		For Heavy-Duty (Fernco HD-4000), Add	*3.51*	
22 13 16 00-0471	EA	5" No Hub Coupling	30.06	
		For Medium Duty (Fernco MD-2000), Add	*3.91*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.12*	
22 13 16 00-0472	EA	6" No Hub Coupling	33.03	
		For Medium Duty (Fernco MD-2000), Add	*4.29*	
		For Heavy-Duty (Fernco HD-4000), Add	*8.92*	
22 13 16 00-0473	EA	8" No Hub Coupling	62.23	
		For Medium Duty (Fernco MD-2000), Add	*8.09*	
		For Heavy-Duty (Fernco HD-4000), Add	*16.80*	
22 13 16 00-0474	EA	10" No Hub Coupling	85.73	
		For Medium Duty (Fernco MD-2000), Add	*11.14*	
		For Heavy-Duty (Fernco HD-4000), Add	*23.15*	
22 13 16 00-0475	EA	2" x 1-1/2" No Hub Reducing Coupling	10.95	
22 13 16 00-0476	EA	3" x 2" No Hub Reducing Coupling	16.98	
22 13 16 00-0477	EA	4" x 2" No Hub Reducing Coupling	23.69	
22 13 16 00-0478	EA	4" x 3" No Hub Reducing Coupling	20.19	

22 13 16 00-0479 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.

22 13 16 00-0480	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	49.55	
22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	51.14	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	53.70	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.65	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	118.27	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	162.38	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	284.49	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	434.73	

22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0489	EA	Cut And Prepare, Existing In-Place 1-1/2" Diameter Cast Iron Pipe, No Hub	11.06	
		For Work In Restricted Working Space, Add	*3.32*	
22 13 16 00-0490	EA	Cut And Prepare, Existing In-Place 2" Diameter Cast Iron Pipe, No Hub	13.52	
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0491	EA	Cut And Prepare, Existing In-Place 3" Diameter Cast Iron Pipe, No Hub	14.75	
		For Work In Restricted Working Space, Add	*4.43*	
22 13 16 00-0492	EA	Cut And Prepare, Existing In-Place 4" Diameter Cast Iron Pipe, No Hub	18.44	
		For Work In Restricted Working Space, Add	*5.53*	
22 13 16 00-0493	EA	Cut And Prepare, Existing In-Place 6" Diameter Cast Iron Pipe, No Hub	22.12	
		For Work In Restricted Working Space, Add	*6.64*	
22 13 16 00-0494	EA	Cut And Prepare, Existing In-Place 8" Diameter Cast Iron Pipe, No Hub	29.50	
		For Work In Restricted Working Space, Add	*8.85*	
22 13 16 00-0495	EA	Cut And Prepare, Existing In-Place 10" Diameter Cast Iron Pipe, No Hub	34.41	
		For Work In Restricted Working Space, Add	*10.32*	

22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0451 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Diameter, Hard Drawn DWV Copper Tube/Pipe	18.30	5.32
22 13 16 00-0498	LF	1-1/2" Diameter, Hard Drawn DWV Copper Tube/Pipe	21.87	5.94
22 13 16 00-0499	LF	2" Diameter, Hard Drawn DWV Copper Tube/Pipe	28.17	7.33
22 13 16 00-0500	LF	3" Diameter, Hard Drawn DWV Copper Tube/Pipe	60.40	10.15
22 13 16 00-0501	LF	4" Diameter, Hard Drawn DWV Copper Tube/Pipe	84.71	11.45
22 13 16 00-0502	LF	5" Diameter, Hard Drawn DWV Copper Tube/Pipe	167.62	13.15
22 13 16 00-0503	LF	6" Diameter, Hard Drawn DWV Copper Tube/Pipe	238.87	20.38

22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0019 for underground installation.

22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0504)*

22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies

(22 13 16 00-0505)

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available.Not for use where detail is available.

22 13 16 00-0507	LF	1-1/2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	13.43	
		For Work In Restricted Working Space, Add	*2.65*	
22 13 16 00-0508	LF	2" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	16.06	
		For Work In Restricted Working Space, Add	*3.23*	
22 13 16 00-0509	LF	3" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	26.58	
		For Work In Restricted Working Space, Add	*4.56*	
22 13 16 00-0510	LF	4" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	34.59	
		For Work In Restricted Working Space, Add	*5.03*	
22 13 16 00-0511	LF	6" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	63.69	
		For Work In Restricted Working Space, Add	*6.47*	
22 13 16 00-0512	LF	8" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	91.25	
		For Work In Restricted Working Space, Add	*8.65*	
22 13 16 00-0513	LF	10" Diameter, Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	132.46	
		For Work In Restricted Working Space, Add	*11.53*	

22 13 16 00-0514 Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies

(22 13 16 00-0505)

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0515	LF	1-1/2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.54	4.75
		For Work In Restricted Working Space, Add	*5.45*	
22 13 16 00-0516	LF	2" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	29.80	5.66
		For Work In Restricted Working Space, Add	*6.06*	
22 13 16 00-0517	LF	3" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.33	8.15
		For Work In Restricted Working Space, Add	*7.53*	
22 13 16 00-0518	LF	4" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	54.15	8.83
		For Work In Restricted Working Space, Add	*8.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0519	LF	6" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	86.42	11.32
		For Work In Restricted Working Space, Add	*10.53*	
22 13 16 00-0520	LF	8" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	114.62	15.05
		For Work In Restricted Working Space, Add	*12.07*	
22 13 16 00-0521	LF	10" Diameter, Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	161.44	20.15
		For Work In Restricted Working Space, Add	*15.73*	
22 13 16 00-0522		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)* Note: Excludes fittings or hangers.		
22 13 16 00-0523		**Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)** *(22 13 16 00-0522)* Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	10.09	4.75
		For Work In Restricted Working Space, Add	*2.12*	
22 13 16 00-0525	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	12.44	5.66
		For Work In Restricted Working Space, Add	*2.54*	
22 13 16 00-0526	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	20.09	8.15
		For Work In Restricted Working Space, Add	*3.65*	
22 13 16 00-0527	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	24.39	8.83
		For Work In Restricted Working Space, Add	*3.96*	
22 13 16 00-0528	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	36.06	10.73
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0529	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	51.78	14.27
		For Work In Restricted Working Space, Add	*6.44*	
22 13 16 00-0530	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	75.04	19.11
		For Work In Restricted Working Space, Add	*8.59*	
22 13 16 00-0531		**Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)** *(22 13 16 00-0522)* Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF	1-1/2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	9.19	4.75
		For Work In Restricted Working Space, Add	*2.12*	
22 13 16 00-0533	LF	2" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.37	5.66
		For Work In Restricted Working Space, Add	*2.54*	
22 13 16 00-0534	LF	3" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	18.07	8.15
		For Work In Restricted Working Space, Add	*3.65*	
22 13 16 00-0535	LF	4" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	21.71	8.83
		For Work In Restricted Working Space, Add	*3.96*	
22 13 16 00-0536	LF	6" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	31.07	10.73
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0537	LF	8" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	44.76	14.27
		For Work In Restricted Working Space, Add	*6.44*	
22 13 16 00-0538	LF	10" Diameter, Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	67.41	19.11
		For Work In Restricted Working Space, Add	*8.59*	
22 13 16 00-0539		**Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)** *(22 13 16 00-0504)*		
22 13 16 00-0540		**Polyvinyl Chloride (PVC) DWV 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0541	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	36.97	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0542	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	47.22	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0543	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	82.86	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0544	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	129.13	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0545	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	515.03	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0546	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	855.22	65.98
		For Work In Restricted Working Space, Add	*29.71*	
22 13 16 00-0547	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	1,129.01	87.94
		For Work In Restricted Working Space, Add	*39.61*	
22 13 16 00-0548		**Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0539)*		
22 13 16 00-0549	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	61.32	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0550	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	61.23	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0551	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	118.88	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0552	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	195.18	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0553	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	387.45	49.00
		For Work In Restricted Working Space, Add	*22.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0554	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	687.56	65.98
		For Work In Restricted Working Space, Add	*29.71*	
22 13 16 00-0555	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	1,126.00	87.94
		For Work In Restricted Working Space, Add	*39.61*	

22 13 16 00-0556 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0557	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	38.97	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0558	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	47.05	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0559	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	79.86	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0560	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	114.45	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0561	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	477.67	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0562	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	768.39	65.98
		For Work In Restricted Working Space, Add	*29.71*	
22 13 16 00-0563	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	873.58	87.94
		For Work In Restricted Working Space, Add	*39.61*	

22 13 16 00-0564 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0565	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	57.95	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0566	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	76.50	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0567	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	132.03	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0568	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	197.46	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0569	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	765.15	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 13 16 00-0570	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	995.04	98.91
		For Work In Restricted Working Space, Add	*44.56*	

22 13 16 00-0571 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0572	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	74.42	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 13 16 00-0573	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	89.06	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0574	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	72.54	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0575	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	108.01	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 13 16 00-0576	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	109.80	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0577	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	131.44	47.07
		For Work In Restricted Working Space, Add	*21.22*	
22 13 16 00-0578	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	227.30	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 13 16 00-0579	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	288.39	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 13 16 00-0580	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	735.11	67.79
		For Work In Restricted Working Space, Add	*30.56*	
22 13 16 00-0581	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,331.65	84.76
		For Work In Restricted Working Space, Add	*38.20*	
22 13 16 00-0582	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	2,411.21	90.42
		For Work In Restricted Working Space, Add	*40.74*	

22 13 16 00-0583 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0584	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	103.28	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0585	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	140.81	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0586	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	289.12	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 13 16 00-0587	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	421.54	75.37
		For Work In Restricted Working Space, Add	*33.95*	

22 13 16 00-0588 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0539)*

22 13 16 00-0589	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	126.31	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0590	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	222.13	51.26
		For Work In Restricted Working Space, Add	*23.09*	
22 13 16 00-0591	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	256.90	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0592	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	471.62	61.79
		For Work In Restricted Working Space, Add	*27.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0593	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	494.47	70.05
		For Work In Restricted Working Space, Add	*31.58*	
22 13 16 00-0594		**Polyvinyl Chloride (PVC) DWV Reducers** *(22 13 16 00-0539)*		
22 13 16 00-0595	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	49.60	21.50
		For Work In Restricted Working Space, Add	*9.68*	
22 13 16 00-0596	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	93.85	25.58
		For Work In Restricted Working Space, Add	*11.54*	
22 13 16 00-0597	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	88.80	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0598	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	138.13	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 13 16 00-0599	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	148.52	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 13 16 00-0600	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	545.60	40.74
		For Work In Restricted Working Space, Add	*18.33*	
22 13 16 00-0601	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	454.17	43.34
		For Work In Restricted Working Space, Add	*19.52*	
22 13 16 00-0602	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	1,145.47	51.83
		For Work In Restricted Working Space, Add	*23.34*	
22 13 16 00-0603	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	964.74	57.49
		For Work In Restricted Working Space, Add	*25.89*	
22 13 16 00-0604	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	1,298.43	68.46
		For Work In Restricted Working Space, Add	*30.84*	
22 13 16 00-0605	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	1,012.50	76.95
		For Work In Restricted Working Space, Add	*34.66*	
22 13 16 00-0606		**Polyvinyl Chloride (PVC) DWV P-Traps** *(22 13 16 00-0539)*		
22 13 16 00-0607	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	72.80	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0608	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	95.68	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0609	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	278.97	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0610	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	575.38	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0611	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	977.59	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 13 16 00-0612		**Polyvinyl Chloride (PVC) DWV Closet Flanges** *(22 13 16 00-0539)*		
22 13 16 00-0613	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	114.79	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0614	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	93.31	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 13 16 00-0615		**Polyvinyl Chloride (PVC) DWV Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0616	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	73.46	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0617	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	85.51	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0618	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	143.54	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0619	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	216.30	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0620	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	694.44	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 13 16 00-0621	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	860.71	98.91
		For Work In Restricted Working Space, Add	*44.56*	
22 13 16 00-0622	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	1,132.56	131.84
		For Work In Restricted Working Space, Add	*59.41*	
22 13 16 00-0623		**Polyvinyl Chloride (PVC) DWV Reducing Wyes** *(22 13 16 00-0539)*		
22 13 16 00-0624	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	101.77	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 13 16 00-0625	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	105.23	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0626	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	149.01	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 13 16 00-0627	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	121.31	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0628	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	207.59	47.07
		For Work In Restricted Working Space, Add	*21.22*	
22 13 16 00-0629	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	180.27	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 13 16 00-0630	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	204.17	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 13 16 00-0631	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	627.76	65.19
		For Work In Restricted Working Space, Add	*29.37*	

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22 13 16 00-0632	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	779.54	67.79
		For Work In Restricted Working Space, Add	*30.56*	
22 13 16 00-0633	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	737.71	84.76
		For Work In Restricted Working Space, Add	*38.20*	
22 13 16 00-0634	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	934.48	90.42
		For Work In Restricted Working Space, Add	*40.74*	
22 13 16 00-0635	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	848.03	106.72
		For Work In Restricted Working Space, Add	*48.10*	
22 13 16 00-0636	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,061.04	112.38
		For Work In Restricted Working Space, Add	*50.64*	
22 13 16 00-0637	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	1,237.10	120.86
		For Work In Restricted Working Space, Add	*54.46*	

22 13 16 00-0638 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0639	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	122.62	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0640	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	157.32	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0641	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	316.64	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 13 16 00-0642	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	557.80	75.37
		For Work In Restricted Working Space, Add	*33.95*	
22 13 16 00-0643	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,154.09	98.01
		For Work In Restricted Working Space, Add	*44.13*	
22 13 16 00-0644	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,334.52	131.95
		For Work In Restricted Working Space, Add	*59.42*	
22 13 16 00-0645	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	2,074.99	175.86
		For Work In Restricted Working Space, Add	*79.21*	

22 13 16 00-0646 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0539)*

22 13 16 00-0647	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	142.05	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0648	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	269.39	51.26
		For Work In Restricted Working Space, Add	*23.09*	
22 13 16 00-0649	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	248.16	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0650	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	359.34	61.79
		For Work In Restricted Working Space, Add	*27.84*	
22 13 16 00-0651	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	457.32	70.05
		For Work In Restricted Working Space, Add	*31.58*	
22 13 16 00-0652	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	708.41	86.69
		For Work In Restricted Working Space, Add	*39.05*	
22 13 16 00-0653	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	828.94	103.66
		For Work In Restricted Working Space, Add	*46.68*	
22 13 16 00-0654	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,057.83	114.98
		For Work In Restricted Working Space, Add	*51.77*	
22 13 16 00-0655	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	1,116.96	125.62
		For Work In Restricted Working Space, Add	*56.58*	
22 13 16 00-0656	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	1,454.53	136.93
		For Work In Restricted Working Space, Add	*61.67*	
22 13 16 00-0657	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	1,760.89	153.91
		For Work In Restricted Working Space, Add	*69.31*	

22 13 16 00-0658 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0659	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	92.81	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0660	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	115.69	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0661	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	234.26	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0662	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	419.77	56.58
		For Work In Restricted Working Space, Add	*25.46*	

22 13 16 00-0663 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0664	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	177.45	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0665	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	283.60	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 13 16 00-0666	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	204.76	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0667	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	381.69	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 13 16 00-0668	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	413.43	53.87
		For Work In Restricted Working Space, Add	*24.28*	

22 13 16 00-0669 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

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22 13 16 00-0670	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	137.64	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0671	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	158.99	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0672	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	247.75	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 13 16 00-0673	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	905.71	75.37
		For Work In Restricted Working Space, Add	*33.95*	
22 13 16 00-0674	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	3,024.43	98.01
		For Work In Restricted Working Space, Add	*44.13*	

22 13 16 00-0675 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0539)*

22 13 16 00-0676	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	329.71	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0677	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	534.21	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0678	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	930.22	61.79
		For Work In Restricted Working Space, Add	*27.84*	
22 13 16 00-0679	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	838.13	70.05
		For Work In Restricted Working Space, Add	*31.58*	
22 13 16 00-0680	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	2,009.90	86.69
		For Work In Restricted Working Space, Add	*39.05*	

22 13 16 00-0681 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0539)*

22 13 16 00-0682	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	201.96	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0683	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	355.03	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0684	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	575.46	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0685	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,535.85	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 13 16 00-0686	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	1,923.37	98.91
		For Work In Restricted Working Space, Add	*44.56*	
22 13 16 00-0687	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	2,552.21	131.84
		For Work In Restricted Working Space, Add	*59.41*	

22 13 16 00-0688 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0539)*

22 13 16 00-0689	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	53.82	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0690	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	77.40	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0691	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	112.05	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0692	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	205.51	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0693	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	482.34	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0694	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	1,095.80	65.98
		For Work In Restricted Working Space, Add	*29.71*	
22 13 16 00-0695	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	2,028.15	87.94
		For Work In Restricted Working Space, Add	*39.59*	

22 13 16 00-0696 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0539)*

22 13 16 00-0697	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	35.86	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0698	EA	2" Polyvinyl Chloride (PVC) Couplings	44.72	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0699	EA	3" Polyvinyl Chloride (PVC) Couplings	70.41	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0700	EA	4" Polyvinyl Chloride (PVC) Couplings	92.31	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0701	EA	6" Polyvinyl Chloride (PVC) Couplings	270.72	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0702	EA	8" Polyvinyl Chloride (PVC) Couplings	668.58	65.98
		For Work In Restricted Working Space, Add	*29.71*	
22 13 16 00-0703	EA	10" Polyvinyl Chloride (PVC) Couplings	1,014.63	87.94
		For Work In Restricted Working Space, Add	*39.61*	

22 13 16 00-0704 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0539)*

22 13 16 00-0705	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	21.81	9.39
		For Work In Restricted Working Space, Add	*4.25*	
22 13 16 00-0706	EA	2" Polyvinyl Chloride (PVC) Male Adapters	36.93	12.11
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0707	EA	3" Polyvinyl Chloride (PVC) Male Adapters	76.54	16.18
		For Work In Restricted Working Space, Add	*7.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0708	EA	4" Polyvinyl Chloride (PVC) Male Adapters	147.96	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0709		**Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe** *(22 13 16 00-0504)*		
		Note: In place piping.		
22 13 16 00-0710	EA	1-1/2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	8.29	
22 13 16 00-0711	EA	2" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.13	
22 13 16 00-0712	EA	3" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.61	
22 13 16 00-0713	EA	4" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	15.67	
22 13 16 00-0714	EA	6" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	22.39	
22 13 16 00-0715	EA	8" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	29.86	
22 13 16 00-0716	EA	10" Diameter, Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	36.51	
22 13 16 00-0717		**Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 13 16)*		
		Note: Aboveground installation.		
22 13 16 00-0718		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies** *(22 13 16 00-0717)*		
		Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
22 13 16 00-0719	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	28.02	4.75
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*6.51*	
22 13 16 00-0720	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	31.14	5.66
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*7.21*	
22 13 16 00-0721	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	42.74	8.15
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0722	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	49.33	8.83
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*9.95*	
22 13 16 00-0723	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly	83.06	11.32
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*13.23*	
22 13 16 00-0724		**Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)** *(22 13 16 00-0717)*		
		Note: Excludes fittings or hangers.		
22 13 16 00-0725	LF	1-1/2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	9.75	4.75
		For Work In Restricted Working Space, Add	*2.12*	
22 13 16 00-0726	LF	2" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	12.08	5.66
		For Work In Restricted Working Space, Add	*2.54*	
22 13 16 00-0727	LF	3" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	19.60	8.15
		For Work In Restricted Working Space, Add	*3.65*	
22 13 16 00-0728	LF	4" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	23.83	8.83
		For Work In Restricted Working Space, Add	*3.96*	
22 13 16 00-0729	LF	6" Diameter, Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	37.75	10.73
		For Work In Restricted Working Space, Add	*4.82*	
22 13 16 00-0730		**Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)** *(22 13 16 00-0717)*		
22 13 16 00-0731		**Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends** *(22 13 16 00-0730)*		
22 13 16 00-0732	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	39.69	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0733	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	52.46	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0734	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	98.81	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0735	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	154.82	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0736	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	440.21	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0737		**Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends** *(22 13 16 00-0730)*		
22 13 16 00-0738	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	55.44	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0739	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	67.85	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0740	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	137.03	32.36
		For Work In Restricted Working Space, Add	*14.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0741	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	230.86	37.69
		For Work In Restricted Working Space, Add	*16.97*	

22 13 16 00-0742 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0730)*

22 13 16 00-0743	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	41.82	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0744	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	50.96	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0745	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	90.97	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0746	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	140.35	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0747	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	455.48	49.00
		For Work In Restricted Working Space, Add	*22.07*	

22 13 16 00-0748 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0749	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	61.84	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0750	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	83.47	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0751	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	147.28	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0752	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	227.62	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0753	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	884.07	73.45
		For Work In Restricted Working Space, Add	*33.10*	

22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0755	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	77.33	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 13 16 00-0756	EA	2" x 1-1/2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	93.80	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0757	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	78.31	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0758	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	119.55	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 13 16 00-0759	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	124.04	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0760	EA	4" x 4" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	276.47	47.07
		For Work In Restricted Working Space, Add	*21.22*	
22 13 16 00-0761	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	266.75	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 13 16 00-0762	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	306.12	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 13 16 00-0763	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	966.93	67.79
		For Work In Restricted Working Space, Add	*30.56*	

22 13 16 00-0764 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0765	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	115.50	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0766	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	158.40	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0767	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	338.82	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 13 16 00-0768	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	500.22	75.37
		For Work In Restricted Working Space, Add	*33.95*	

22 13 16 00-0769 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees *(22 13 16 00-0730)*

22 13 16 00-0770	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	131.33	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0771	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	200.03	51.26
		For Work In Restricted Working Space, Add	*23.09*	
22 13 16 00-0772	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	230.51	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0773	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	408.76	58.61
		For Work In Restricted Working Space, Add	*26.41*	
22 13 16 00-0774	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	429.42	66.44
		For Work In Restricted Working Space, Add	*29.95*	

22 13 16 00-0775 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes *(22 13 16 00-0730)*

22 13 16 00-0776	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	81.49	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0777	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	94.42	36.21
		For Work In Restricted Working Space, Add	*16.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0778	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	161.73	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0779	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	250.21	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0780	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	717.01	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 13 16 00-0781		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0782	EA	2" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	116.08	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 13 16 00-0783	EA	2" x 2" X 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	119.33	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0784	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	135.74	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0785	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	207.54	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 13 16 00-0786	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	236.12	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 13 16 00-0787	EA	6" x 6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	603.08	67.79
		For Work In Restricted Working Space, Add	*30.56*	
22 13 16 00-0788		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0789	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	139.64	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0790	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	179.26	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0791	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	373.51	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 13 16 00-0792	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	672.66	75.37
		For Work In Restricted Working Space, Add	*33.95*	
22 13 16 00-0793		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes** *(22 13 16 00-0730)*		
22 13 16 00-0794	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	162.07	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0795	EA	3" x 3" x 1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	271.77	51.26
		For Work In Restricted Working Space, Add	*23.09*	
22 13 16 00-0796	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	289.93	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0797	EA	4" x 4" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	428.25	61.79
		For Work In Restricted Working Space, Add	*27.84*	
22 13 16 00-0798	EA	4" x 4" x 3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	548.34	70.05
		For Work In Restricted Working Space, Add	*31.58*	
22 13 16 00-0799		**Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0800	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	104.82	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0801	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	135.39	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0802	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	206.56	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0803	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	342.72	53.67
		For Work In Restricted Working Space, Add	*24.15*	
22 13 16 00-0804		**Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0805	EA	2" x 2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	116.01	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 13 16 00-0806	EA	3" x 3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	218.27	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 13 16 00-0807	EA	3" x 3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	163.92	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 13 16 00-0808	EA	4" x 4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	291.09	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 13 16 00-0809	EA	4" x 4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	315.24	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 13 16 00-0810		**Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend** *(22 13 16 00-0730)*		
22 13 16 00-0811	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	219.19	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 13 16 00-0812	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	435.82	64.85
		For Work In Restricted Working Space, Add	*29.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0813		Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0730)*		
22 13 16 00-0814	EA	2" x 2" x 1-1/2" x 1-1/2 Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	182.61	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 13 16 00-0815	EA	3" x 3" x 2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	417.61	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0816		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0730)*		
22 13 16 00-0817	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	115.81	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0818	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	146.38	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0819	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	231.12	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0820	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	380.47	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0821		Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0730)*		
22 13 16 00-0822	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	53.45	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0823	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	76.80	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0824	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	111.05	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0825	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	203.44	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0826	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	476.74	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0827		Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0730)*		
22 13 16 00-0828	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	36.97	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0829	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	45.35	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0830	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	73.54	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0831	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	97.58	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0832	EA	6" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	276.19	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 13 16 00-0833		Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0730)*		
22 13 16 00-0834	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	54.23	21.50
		For Work In Restricted Working Space, Add	*9.68*	
22 13 16 00-0835	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	108.16	25.58
		For Work In Restricted Working Space, Add	*11.54*	
22 13 16 00-0836	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	100.87	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0837	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	161.64	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 13 16 00-0838	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	173.19	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 13 16 00-0839		Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0730)*		
22 13 16 00-0840	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	85.05	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0841	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	123.29	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 13 16 00-0842	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	388.88	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 13 16 00-0843	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	732.05	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 13 16 00-0844		Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0730)*		
22 13 16 00-0845	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	116.07	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0846	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	108.42	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 13 16 00-0847		Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters *(22 13 16 00-0730)*		
22 13 16 00-0848	EA	1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	25.21	9.39
		For Work In Restricted Working Space, Add	*4.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0849	EA	2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	37.71	12.11
		For Work In Restricted Working Space, Add	*5.43*	
22 13 16 00-0850	EA	3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	81.45	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 13 16 00-0851	EA	4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	154.67	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0852		**Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings** *(22 13 16 00-0730)*		
22 13 16 00-0853	EA	2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	41.39	21.50
		For Work In Restricted Working Space, Add	*9.68*	
22 13 16 00-0854	EA	3" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	87.79	25.58
		For Work In Restricted Working Space, Add	*11.54*	
22 13 16 00-0855	EA	3" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	73.77	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 13 16 00-0856	EA	4" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	160.06	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 13 16 00-0857	EA	4" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	118.48	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 13 16 00-0858	EA	6" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	319.99	41.11
		For Work In Restricted Working Space, Add	*18.52*	
22 13 16 00-0859		**Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings** *(22 13 16 00-0730)*		
22 13 16 00-0860	EA	1-1/2" x 1-1/2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	153.39	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 13 16 00-0861	EA	2" x 2" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	169.64	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 13 16 00-0862	EA	3" x 3" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	190.44	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 13 16 00-0863	EA	4" x 4" Diameter, Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	206.69	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 13 16 00-0864		**Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe** *(22 13 16 00-0717)*		
		Note: In place piping.		
22 13 16 00-0865	EA	1-1/2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	8.29	
22 13 16 00-0866	EA	2" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.13	
22 13 16 00-0867	EA	3" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	11.61	
22 13 16 00-0868	EA	4" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	15.67	
22 13 16 00-0869	EA	6" Diameter, Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	22.39	
22 13 16 00-0870		**Elastomeric Flexible Pipe Couplings** *(22 13 16)*		
22 13 16 00-0871		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings** *(22 13 16 00-0870)*		
		Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA	1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	14.86	4.91
		For Work In Restricted Working Space, Add	*2.95*	
22 13 16 00-0873	EA	1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	16.02	5.22
		For Work In Restricted Working Space, Add	*3.14*	
22 13 16 00-0874	EA	2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	16.84	5.53
		For Work In Restricted Working Space, Add	*3.32*	
22 13 16 00-0875	EA	3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	19.49	5.84
		For Work In Restricted Working Space, Add	*3.50*	
22 13 16 00-0876	EA	4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.07	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 13 16 00-0877	EA	5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	28.23	6.45
		For Work In Restricted Working Space, Add	*3.87*	
22 13 16 00-0878	EA	6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	34.44	6.76
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0879	EA	8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	46.92	7.38
		For Work In Restricted Working Space, Add	*4.43*	
22 13 16 00-0880	EA	10" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	61.94	8.61
		For Work In Restricted Working Space, Add	*5.16*	
22 13 16 00-0881		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings** *(22 13 16 00-0870)*		
		Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA	1-1/2" Diameter x 1-1/4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	15.82	5.22
		For Work In Restricted Working Space, Add	*3.14*	
22 13 16 00-0883	EA	2" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	17.17	5.53
		For Work In Restricted Working Space, Add	*3.32*	
22 13 16 00-0884	EA	3" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	21.11	5.84
		For Work In Restricted Working Space, Add	*3.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0885	EA	3" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	18.90	5.84
		For Work In Restricted Working Space, Add	*3.50*	
22 13 16 00-0886	EA	4" Diameter x 1-1/2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	26.04	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 13 16 00-0887	EA	4" Diameter x 2" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	24.91	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 13 16 00-0888	EA	4" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	22.82	6.15
		For Work In Restricted Working Space, Add	*3.69*	
22 13 16 00-0889	EA	5" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	33.14	6.45
		For Work In Restricted Working Space, Add	*3.87*	
22 13 16 00-0890	EA	5" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	29.94	6.45
		For Work In Restricted Working Space, Add	*3.87*	
22 13 16 00-0891	EA	6" Diameter x 3" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	41.04	6.76
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0892	EA	6" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	36.26	6.76
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0893	EA	6" Diameter x 5" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	37.59	6.76
		For Work In Restricted Working Space, Add	*4.06*	
22 13 16 00-0894	EA	8" Diameter x 4" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	73.82	12.29
		For Work In Restricted Working Space, Add	*7.37*	
22 13 16 00-0895	EA	8" Diameter x 6" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	60.55	12.29
		For Work In Restricted Working Space, Add	*7.37*	
22 13 16 00-0896	EA	10" Diameter x 8" Diameter, Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	76.64	13.83
		For Work In Restricted Working Space, Add	*8.30*	
22 13 16 00-0897		Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*		
		Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898	EA	1-1/2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-101)	54.49	33.18
22 13 16 00-0899	EA	2" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-102)	58.49	35.28
22 13 16 00-0900	EA	3" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-103)	67.76	40.43
22 13 16 00-0901	EA	4" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-104)	89.38	53.46
22 13 16 00-0902	EA	5" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-105)	107.16	63.91
22 13 16 00-0903	EA	6" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-106)	123.47	73.75
22 13 16 00-0904	EA	8" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-108)	166.07	93.40
22 13 16 00-0905	EA	10" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-110)	205.00	104.46
22 13 16 00-0906	EA	12" Diameter, Elastomeric Flexible Pipe Cap (Fernco QC-112)	260.79	116.14
22 13 16 00-0907		Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*		
22 13 16 00-0908	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	103.13	25.47
22 13 16 00-0909	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	108.78	28.30
22 13 16 00-0910	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	163.04	36.78
22 13 16 00-0911	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	191.14	42.44
22 13 16 00-0912	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	222.95	48.09
22 13 16 00-0913	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	375.94	53.75
22 13 16 00-0914		Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*		
22 13 16 00-0915	EA	1-1/2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	213.84	25.47
22 13 16 00-0916	EA	2" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	219.49	28.30
22 13 16 00-0917	EA	3" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	260.83	36.78
22 13 16 00-0918	EA	4" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	326.44	42.44
22 13 16 00-0919	EA	5" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	446.37	48.09
22 13 16 00-0920	EA	6" Diameter, Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	457.69	53.75
22 13 16 00-0921		Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)*		
		Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922	EA	1-1/2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	408.56	25.47
22 13 16 00-0923	EA	2" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	414.22	28.30
22 13 16 00-0924	EA	3" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	475.91	36.78
22 13 16 00-0925	EA	4" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	535.66	42.44
22 13 16 00-0926	EA	5" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	625.21	48.09
22 13 16 00-0927	EA	6" Diameter, Cast Iron Vandal Proof Hooded Vent Cap	683.10	53.75

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13		**Sanitary Drains** *(22 13 19)*		
22 13 19 13-0001		Round Top Floor Drains *(22 13 19 13)*		
22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	844.06	121.66
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	927.19	136.37
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	902.57	150.85
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	933.64	166.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	845.79	136.37
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	874.88	150.85
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	905.95	166.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,416.12	136.37
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,445.21	150.85
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,476.28	166.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	1,333.06	136.37
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	1,361.99	150.85
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,393.22	166.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Cast Iron Dome Grate, Add	*17.00*	
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,465.83	136.26
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,494.89	150.85
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,526.12	166.47
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,318.56	136.26
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,347.62	150.85
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,378.85	166.47
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	2,205.04	136.26
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	2,234.10	150.85
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	2,265.33	166.47
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Bronze Dome Grate, Add	*218.50*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,003.47	136.26
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,032.85	150.97
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,063.76	166.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,086.53	136.26
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,115.91	150.97
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,146.82	166.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,451.98	136.26
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,481.36	150.97
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,512.27	166.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	942.56	136.26
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	971.94	150.97
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	1,002.85	166.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	1,047.77	136.26
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	1,077.15	150.97
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	1,108.06	166.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	1,344.01	136.26
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,373.39	150.97
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,404.30	166.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	3,510.75	150.97
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	3,541.66	166.47
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	4,413.31	150.97
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	4,444.22	166.47
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	4,305.34	150.97
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	4,336.25	166.47
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,474.13	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,503.51	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,534.42	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,903.27	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,932.65	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,963.56	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,002.94	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,032.32	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,063.23	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	2,775.37	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,804.75	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,835.66	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,385.54	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,414.92	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,445.83	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,750.99	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,780.37	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,811.28	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,850.66	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,880.04	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,910.95	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	2,479.13	136.26
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	2,508.51	150.97
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	2,539.42	166.47
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,392.34	121.66
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,421.53	136.26
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,450.59	150.85
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,481.82	166.47
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	2,044.46	136.26
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	2,073.52	150.85
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	2,104.75	166.47
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,936.49	136.26
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,965.55	150.85
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,996.78	166.47
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,975.88	121.66
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	3,005.17	136.26
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	3,034.23	150.85
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	3,065.46	166.47
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	3,097.67	182.54
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,215.58	136.26
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,244.96	150.97
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,275.87	166.47
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Loose-Set Cast Iron Grate	3,308.08	182.54
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,966.94	136.26
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	1,996.32	150.97
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,027.23	166.47
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Loose-Set Cast Iron Grate	2,059.44	182.54
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	2,999.63	136.26
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,029.01	150.97
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,059.92	166.47
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy-Duty Loose-Set Cast Iron Grate	3,092.13	182.54
		For Aluminum Bucket, Add	*77.50*	
		For Primer Tap, Add	*31.00*	
		For Vandal Proof Screws, Add	*29.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	53.49	12.29
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	59.62	12.29
22 13 19 13-0106	EA	4" Diameter, Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe. Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	122.88	24.58
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	158.09	24.58

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,403.31	121.66
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,432.60	136.26
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,461.66	150.85
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	279.39	82.05
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	296.36	90.53
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	279.39	82.05
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	296.36	90.53
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	279.39	82.05
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	296.36	90.53
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	279.39	82.05
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	296.36	90.53
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2" To 2" Drain, 3-1/2" Sink Opening (Fisher 16100)	385.31	90.53

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,723.50	136.37
		For Vandal Proof Secured Grate, Add	*33.50*	
		For Trap Primer Connection, Add	*38.00*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Flange With Seepage Holes, Add	*58.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,753.01	151.08
		For Vandal Proof Secured Grate, Add	*33.50*	
		For Trap Primer Connection, Add	*38.00*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Flange With Seepage Holes, Add	*58.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,783.60	166.47
		For Vandal Proof Secured Grate, Add	*33.50*	
		For Trap Primer Connection, Add	*38.00*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Flange With Seepage Holes, Add	*58.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
22 13 19 13-0127		Square Top Floor Receptors *(22 13 19 13-0122)*		
		Note: With acid resistant coating.		
22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	2,037.42	121.66
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Flange With Seepage Holes, Add	*37.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	2,066.74	136.37
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Flange With Seepage Holes, Add	*37.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	2,095.67	150.85
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Flange With Seepage Holes, Add	*37.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	2,126.90	166.47
		For Stainless Steel Liner For Bucket, Add	*97.00*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For Flange With Seepage Holes, Add	*37.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
22 13 19 13-0132		Floor Drain Accessories *(22 13 19 13)*		
22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	115.28	14.15
22 13 19 13-0134	EA	2" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	93.53	14.15
22 13 19 13-0135	EA	3" Diameter, Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	102.23	14.15
22 13 19 13-0136	EA	3" Diameter, Trap Guard Drain Insert For 4" Diameter, Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	123.97	14.15
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	110.93	14.15
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	159.00	14.15
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	176.50	14.15
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	219.92	14.15
22 13 19 26		**Grease Removal Devices** *(22 13 19)*		
22 13 19 26-0001		Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	1,346.47	84.88
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,328.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0004	EA	10 GPM, 20 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,570.84	190.97
		For Flange And Clamp Device, Add	*387.48*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,404.41*	
22 13 19 26-0005	EA	15 GPM, 30 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	2,231.70	212.19
		For Flange And Clamp Device, Add	*401.62*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,534.11*	
22 13 19 26-0006	EA	20 GPM, 40 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	2,696.48	233.41
		For Flange And Clamp Device, Add	*415.77*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,658.38*	
22 13 19 26-0007	EA	25 GPM, 50 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	3,019.26	254.63
		For Flange And Clamp Device, Add	*460.31*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,727.91*	
22 13 19 26-0008	EA	35 GPM, 70 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	3,708.41	297.07
		For Flange And Clamp Device, Add	*499.81*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,902.83*	
22 13 19 26-0009	EA	50 GPM, 100 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	4,839.30	339.50
		For Flange And Clamp Device, Add	*569.06*	
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,030.70*	
22 13 19 26-0010	EA	75 GPM, 150 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	9,524.43	381.94
		For Flange And Clamp Device, Add	*798.63*	
22 13 19 26-0011	EA	100 GPM, 200 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	10,780.74	479.01
		For Flange And Clamp Device, Add	*927.34*	
22 13 19 26-0012	EA	150 GPM, 300 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	13,296.79	766.42
		For Flange And Clamp Device, Add	*1,278.95*	
22 13 19 26-0013	EA	200 GPM, 400 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	19,084.58	958.03
		For Flange And Clamp Device, Add	*1,535.97*	
22 13 19 26-0014	EA	250 GPM, 500 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	22,261.72	1,149.63
		For Flange And Clamp Device, Add	*1,976.66*	
22 13 19 26-0015	EA	350 GPM, 700 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	28,929.99	1,341.24
		For Flange And Clamp Device, Add	*2,342.16*	
22 13 19 26-0016	EA	500 GPM, 1,000 Lb. Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	37,433.58	1,532.84
		For Flange And Clamp Device, Add	*2,743.18*	
22 13 19 26-0017		Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)* Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	3,886.49	233.41
22 13 19 26-0019	EA	35 GPM, 70 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	4,999.84	297.07
22 13 19 26-0020	EA	50 GPM, 100 Lb. Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	8,253.04	339.50
22 13 19 26-0021		Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)* Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		Standard Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)* Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	3,416.96	84.88
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,328.16*	
22 13 19 26-0024	EA	10 GPM, 20 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	4,018.46	190.97
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,404.41*	
22 13 19 26-0025	EA	15 GPM, 30 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	4,293.17	212.19
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,534.11*	
22 13 19 26-0026	EA	20 GPM, 40 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	5,240.26	233.41
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,658.38*	
22 13 19 26-0027	EA	25 GPM, 50 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	6,318.06	254.63
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,727.91*	
22 13 19 26-0028	EA	35 GPM, 70 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	6,531.66	297.07
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*1,902.83*	
22 13 19 26-0029	EA	50 GPM, 100 Lb. Capacity Semi-Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	7,455.95	339.50
		For Steel Enclosure Cabinet With Non-Skid Cover, Add	*2,030.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0030		Low Profile Semi-Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*		
		Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 Lb. Capacity Low Profile Semi-Automatic Epoxy Coated Steel Grease Interceptor	8,779.45	297.07
		Note: Josam 60115A-SA.		
22 13 19 26-0032		Automatic Cleaning Stainless Steel Grease Interceptor *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor	7,474.75	233.41
		Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).		
22 13 19 26-0034	EA	25 GPM, 91 Lb. Capacity Automatic Cleaning Stainless Steel Grease Interceptor	8,695.24	254.63
		Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).		
22 13 19 26-0035	EA	35 GPM, 70 Lb. Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	7,448.58	297.07
22 13 19 26-0036		Precast Concrete Grease Interceptor *(22 13 19 26)*		
		Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	5,608.59	432.94
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	6,413.62	432.94
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	7,279.51	494.95
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	8,291.23	699.00
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	9,343.66	940.44
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	14,005.12	1,237.31
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	18,004.05	2,029.00
22 13 19 26-0044		Coated Steel Manual Oil Interceptor *(22 13 19 26)*		
		Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	6,245.25	323.23
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,449.66	384.07
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	10,227.40	472.56
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	11,107.10	511.88
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,374.67	558.58
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	17,717.06	614.50
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	29,970.63	707.31
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	32,699.44	870.26
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	40,235.96	943.26
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	56,445.69	1,131.68
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	65,177.07	1,216.56
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	82,181.96	1,450.82
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	99,631.99	1,188.84
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	118,020.59	1,414.61
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		Cast Iron Body Terminal Backwater Valves *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Diameter, Cast Iron Body Terminal Backwater Valve	769.78	32.48
22 13 19 33-0003	EA	3" Diameter, Cast Iron Body Terminal Backwater Valve	782.22	40.85
22 13 19 33-0004	EA	4" Diameter, Cast Iron Body Terminal Backwater Valve	1,132.65	54.32
22 13 19 33-0005	EA	6" Diameter, Cast Iron Body Terminal Backwater Valve	3,116.54	75.03
22 13 19 33-0006	EA	8" Diameter, Cast Iron Body Terminal Backwater Valve	3,804.19	98.75
22 13 19 33-0007	EA	10" Diameter, Cast Iron Body Terminal Backwater Valve	11,171.46	121.82
22 13 19 33-0008	EA	12" Diameter, Cast Iron Body Terminal Backwater Valve	12,635.36	158.00
22 13 19 33-0009		Cast Iron Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,883.48	77.43
22 13 19 33-0011	EA	3" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,898.84	93.93
22 13 19 33-0012	EA	4" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	3,579.50	121.10
22 13 19 33-0013	EA	6" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	5,065.74	136.32
22 13 19 33-0014	EA	8" Diameter, Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	7,058.23	161.54
22 13 19 33-0015		Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve *(22 13 19 33)*		
		Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,264.75	122.57
22 13 19 33-0017	EA	4" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	5,325.40	162.96
22 13 19 33-0018	EA	5" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,784.93	201.90
22 13 19 33-0019	EA	6" Diameter, Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	7,820.02	225.08
22 13 19 33-0020		Polyvinyl Chloride (PVC) Backwater Sewer Line Valve *(22 13 19 33)*		
		Note: Oatey.		
22 13 19 33-0021	EA	3" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	146.28	40.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0022	EA	4" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	175.25	54.32
22 13 19 33-0023	EA	6" Diameter, Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	512.32	75.03

22 13 19 33-0024 Polyvinyl Chloride (PVC) Extendable Backwater Valves *(22 13 19 33)*

22 13 19 33-0025	EA	3" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	344.83	81.70
22 13 19 33-0026	EA	4" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	459.18	108.64
22 13 19 33-0027	EA	6" Diameter, Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	792.19	150.05

22 13 19 36 Air-Admittance Valves *(22 13 19)*

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	170.31	15.84
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	202.25	15.84

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,325.48	160.25
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,327.14	160.25
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,866.01	160.25
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,866.01	160.25
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,988.00	160.25

22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*

22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	332.18	54.81
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	339.18	58.38
		For Stainless Steel Bucket, Add	*175.00*	

22 13 23 00-0010 Sediment Strainers *(22 13 23)*

22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	197.76	74.72

22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	7,874.93	1,357.57
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,192.08	1,357.57
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,509.23	1,357.57
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Diameter, Discharge Pipe, 1,750 RPM	8,811.74	1,357.57

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,753.19	1,357.57
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,875.17	1,357.57
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	8,960.56	1,357.57
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	9,546.06	1,357.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,119.37	1,357.57
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	10,997.62	1,357.57
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	11,875.88	1,357.57
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Diameter, Discharge Pipe, 1,750 RPM	13,652.25	1,806.62
22 13 29 13-0016		3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*		
22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,364.39	1,357.57
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,364.39	1,357.57
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	9,575.72	1,357.57
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,215.52	1,357.57
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	11,503.17	1,357.57
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	13,753.44	1,806.62
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Diameter, Discharge Pipe, 1,750 RPM	14,485.32	1,806.62
22 13 29 13-0024		Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*		
22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	
22 13 29 13-0030		Float Switches *(22 13 29 13-0001)*		
		Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	
22 13 29 13-0034		Square Or Round Steel Sump Covers *(22 13 29 13-0001)*		
22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	852.16	45.27
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	943.37	50.92
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	1,309.32	67.90
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,901.96	79.22
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	2,039.33	82.05
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	2,180.88	84.88
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	2,778.74	101.85
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	3,766.61	113.17
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	4,776.57	141.47
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	6,074.26	155.60
22 13 29 16		**Submersible Sewerage Pumps** ***(22 13 29)***		
22 13 29 16-0001		Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*		
22 13 29 16-0002		Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,587.48	82.34
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,693.29	82.34
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,660.73	82.34
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,816.74	82.34
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,816.74	82.34
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,918.89	102.93
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,057.26	102.93
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	2,074.90	102.93
22 13 29 16-0011		Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*		
		Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,617.32	82.34
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,769.26	82.34
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,697.36	82.34
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,843.87	82.34
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,975.46	82.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,834.78	102.93
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,992.15	102.93
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,990.79	102.93
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,272.82	165.92
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,405.76	165.92
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,428.82	165.92
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,426.92	202.79
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,578.86	202.79
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,582.93	202.79

22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 20' cord.

22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,921.20	82.34
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,178.96	82.34
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,123.74	102.93
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	2,279.75	102.93
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,583.48	165.92
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,739.49	165.92
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,738.94	202.79
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	2,894.94	202.79

22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,861.69	102.93
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,181.31	169.85
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,541.60	207.60
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	5,788.47	251.63
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	6,492.83	295.66
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	7,250.71	339.70

22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,654.01	368.85
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,057.35	368.85
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,057.35	368.85
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,014.27	491.78
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,417.61	491.78
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,417.61	491.78
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,497.59	614.73
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,900.93	614.73
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,900.93	614.73
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,865.29	737.68
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,268.63	737.68
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	8,268.63	737.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,788.65	860.63
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,191.99	860.63
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	9,191.99	860.63
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,129.03	983.58
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	10,129.03	983.58
22 13 29 16-0060		**Submersible Sewage Pump Accessories** *(22 13 29 16)*		
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	740.22	76.53
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	766.14	76.53
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,541.71	102.05
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	2,205.34	102.05
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,765.68	102.05
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,988.60	102.05
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	7,992.53	127.55
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	6,724.37	127.55
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,700.32	127.55
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,881.77	127.55
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,802.71	127.55
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,966.24	127.55
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included.	3,426.91	127.55
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	621.81	51.02
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	108.05	25.51
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	126.00	25.51
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	142.89	25.51
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	143.01	25.51
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	459.59	25.51
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	484.71	25.51
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	513.53	25.51
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	553.89	25.51
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	237.31	25.51
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	59.68	12.75
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	1,290.81	76.53
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	2,035.27	102.05
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	2,662.07	127.55
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	2,718.11	76.53
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	3,857.31	76.53
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	352.86	51.02
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	638.61	63.78
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	631.77	76.53
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	173.73	25.51
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	359.82	25.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33		**Sewerage Pump Basins and Pits** *(22 13 29)*		
22 13 29 33-0001		Sewage Sump Pump Basin *(22 13 29 33)*		
22 13 29 33-0002		High-Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*		
22 13 29 33-0003	EA	18" Diameter x 24" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	162.21	
22 13 29 33-0004	EA	18" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	210.98	
22 13 29 33-0005	EA	24" Diameter x 30" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	488.19	
22 13 29 33-0006	EA	24" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	687.83	
22 13 29 33-0007	EA	30" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	887.46	
22 13 29 33-0008	EA	36" Diameter x 36" High, High-Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	1,033.21	
22 13 29 33-0009		Fiberglass Basin *(22 13 29 33-0001)*		
22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	398.93	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	814.44	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,464.94	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,973.15	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,274.00	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	2,401.64	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,822.03	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	3,277.36	
22 14		**Facility Storm Drainage** *(22 10)*		
22 14 13		**Facility Storm Drainage Piping** *(22 14)*		
		See CSI section 22 13 16 00-0000 for storm drainage piping.		
22 14 26		**Facility Storm Drains** *(22 14)*		
22 14 26 13		**Roof Drains** *(22 14 26)*		
22 14 26 13-0001		Cast Iron Roof Drains *(22 14 26 13)*		
22 14 26 13-0002		Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*		
		Note: Dome free area is 124 square inches.		
22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,016.11	188.65
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Bronze Dome, Add	*448.80*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,110.41	226.34
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Bronze Dome, Add	*448.80*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,204.72	282.92
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Bronze Dome, Add	*448.80*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,620.62	339.50
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Bronze Dome, Add	*448.80*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,667.76	377.19
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Bronze Dome, Add	*448.80*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,977.81	396.09
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Bronze Dome, Add	*448.80*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,691.06	410.24
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Bronze Dome, Add	*448.80*	
22 14 26 13-0010		Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*		
		Note: With polypropylene dome. Dome free area is 124 square inches.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,585.31	188.65
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,719.37	226.34
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,891.11	282.92
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,618.81	339.50
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,810.34	377.19
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	2,201.65	188.65
		For Drain Receiver, Add	*147.00*	
		For Galvanized Iron Parts, Add	*197.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	2,295.95	226.34
		For Drain Receiver, Add	*147.00*	
		For Galvanized Iron Parts, Add	*197.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	2,390.26	282.92
		For Drain Receiver, Add	*147.00*	
		For Galvanized Iron Parts, Add	*197.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,788.60	339.50
		For Drain Receiver, Add	*147.00*	
		For Galvanized Iron Parts, Add	*197.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,835.74	377.19
		For Drain Receiver, Add	*147.00*	
		For Galvanized Iron Parts, Add	*197.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,428.64	75.48
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,466.36	94.27
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,483.51	102.87
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	2,088.33	136.37
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	2,148.49	166.47
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*

Note: Grate free area is 27 square inches.

22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	1,117.10	188.65
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	1,211.40	226.34
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,305.71	282.92
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	1,204.91	188.65
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,299.21	226.34
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,393.52	282.92
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,809.43	339.50
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,856.57	377.19
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	2,166.62	396.09
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,879.87	410.24
		For Galvanized Iron Parts, Add	*518.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	

22 14 26 13-0040 Aluminum Roof Drains *(22 14 26 13)*

22 14 26 13-0041 Aluminum Dome Roof Drains *(22 14 26 13-0040)*

22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	1,237.85	188.65
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,332.15	226.34
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,426.46	282.92
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,889.50	376.85
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	2,199.78	396.09
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,912.80	410.24
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Galvanized Iron Parts, Add	*518.00*	

22 14 26 13-0048 Retrofit Roof Drains *(22 14 26 13)*

22 14 26 13-0049 Retrofit Copolymer Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*

22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	874.49	226.34
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	984.30	282.92
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	1,187.76	339.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	1,296.90	376.85
22 14 26 13-0054		**Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome** *(22 14 26 13-0048)*		
22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	1,013.98	226.34
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	1,117.59	282.92
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	1,330.35	339.50
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,396.09	376.85
22 14 26 13-0059		**Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome** *(22 14 26 13-0048)*		
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	880.69	226.34
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	990.50	282.92
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	1,193.96	339.50
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	1,253.50	376.85
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0064		**Bronze Downspout Nozzles** *(22 14 26 13)*		
22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	529.56	113.17
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	529.56	113.17
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	529.56	113.17
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	828.85	141.47
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	828.85	141.47
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	1,083.02	141.47
22 14 26 16		**Facility Area Drains** *(22 14 26)*		
22 14 26 16-0001		**Area Drain** *(22 14 26 16)*		
22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,215.58	136.26
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,244.96	150.97
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,275.87	166.47
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,308.08	182.54
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,966.94	136.26
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,996.32	150.97
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,027.23	166.47
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,059.44	182.54
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,999.63	136.26
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,029.01	150.97
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,059.92	166.47
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,092.13	182.54
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,515.75	136.26
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,545.13	150.97
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,576.04	166.47
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,608.25	182.54
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,165.75	136.26
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,195.13	150.97
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,226.04	166.47
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,258.25	182.54
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,175.22	136.26
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,204.60	150.97
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,235.51	166.47
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,267.72	182.54
		For Galvanized Cast Iron Parts, Add	*258.50*	
		For Primer Tap, Add	*36.00*	
		For Ductile Iron Grate, Add	*123.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,415.99	136.26
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,445.37	150.97
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,476.28	166.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	845.66	136.26
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	875.04	150.97
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	905.95	166.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,332.93	136.26
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,362.31	150.97
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,393.22	166.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,331.33	136.26
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,360.71	150.97
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,391.62	166.47
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,805.83	136.26
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,835.21	150.97
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,866.12	166.47
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,065.54	136.26
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,094.92	150.97
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy-Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,125.83	166.47
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
		For Ductile Iron Grate, Add	*126.00*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0001		Trench Drain *(22 14 26 19)*		
		Note: Each section is 39.4" in length.		
22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,162.24	136.26
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,191.62	150.97
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,222.53	166.47
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	702.76	136.26
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	732.14	150.97
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	763.05	166.47
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,099.63	136.26
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,129.01	150.97
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,159.92	166.47
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,025.40	67.90
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	565.92	67.90
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	962.79	67.90
		For Ductile Iron Grate, Add	*66.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,849.95	136.26
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,879.33	150.97
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,910.24	166.47
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,281.40	136.26
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,310.78	150.97
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,341.69	166.47
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,772.19	136.26
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,801.57	150.97
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,832.48	166.47
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,546.99	136.26
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,576.37	150.97
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,607.28	166.47
		For Sediment Bucket, Add	*116.00*	
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
		For Galvanized Sediment Bucket, Add	*188.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,713.09	67.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,144.54	67.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,635.33	67.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy-Duty Body Sections, Heavy-Duty Loose Set Grate With Perimeter Drainage Slots	1,410.13	67.90
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	6,666.07	328.36
		For Explosion Proof Motor, Add	*326.86*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	7,036.78	397.42
		For Explosion Proof Motor, Add	*363.37*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	8,034.71	472.16
		For Explosion Proof Motor, Add	*469.42*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	8,554.38	580.85
		For Explosion Proof Motor, Add	*532.01*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	9,029.55	629.54
		For Explosion Proof Motor, Add	*777.15*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	10,705.61	755.22
		For Explosion Proof Motor, Add	*881.47*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	12,547.68	782.13
		For Explosion Proof Motor, Add	*1,444.78*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	15,161.14	959.44
		For Explosion Proof Motor, Add	*1,917.68*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	16,349.69	1,118.95
		For Explosion Proof Motor, Add	*2,486.20*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	21,991.89	1,343.23
		For Explosion Proof Motor, Add	*3,239.01*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	30,568.14	1,491.93
		For Explosion Proof Motor, Add	*5,134.09*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	1,058.66	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	1,158.42	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,267.58	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,521.99	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,701.17	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,732.14	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,944.51	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	2,127.75	

22 14 29 13-0022 Support Plate *(22 14 29 13)*

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	852.16	45.27
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	943.37	50.92
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	1,309.32	67.90
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,901.96	79.22
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	2,039.33	82.05
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	2,180.77	84.88
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	2,778.74	101.85
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	3,766.61	113.17
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	5,029.73	141.47
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	6,074.26	155.60

22 14 29 16 Submersible Sump Pumps *(22 14 29)*

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*

22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	535.68	73.75
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	594.80	73.75
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	941.03	78.04
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,034.58	78.04

22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)*

Note: Includes 20' of cord with pump.

22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,593.32	78.04
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,734.30	78.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,821.24	86.03
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,971.97	86.03
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,028.33	98.32
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,176.46	98.32
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,177.54	116.75
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	2,306.18	116.75

22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*

Note: Includes 20' of cord with pump.

22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,195.51	73.75
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,234.03	73.75
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,538.81	78.04
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,565.87	78.04
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,876.89	82.34
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,876.89	82.34
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,984.94	86.03
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,984.94	86.03
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,265.38	98.32
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,265.38	98.32
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,635.14	116.75
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	2,588.30	116.75

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001 Aluminum Pipe And Fittings For Compressed Air *(22 15 13)*

22 15 13 00-0002 Aluminum (6063) Pipe (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

22 15 13 00-0003	LF	3/4" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	8.54	2.46
22 15 13 00-0004	LF	1" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	10.47	2.71
22 15 13 00-0005	LF	1-1/2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	14.05	3.44
22 15 13 00-0006	LF	2" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	16.98	3.94
22 15 13 00-0007	LF	3" Diameter, Blue Rigid Aluminum Pipe Note: For compresed air system	27.85	5.40

22 15 13 00-0008 Compression Fittings (FastPipe) *(22 15 13 00-0001)*

Note: For compressed air system

22 15 13 00-0009 Compression Union *(22 15 13 00-0008)*

22 15 13 00-0010	EA	3/4" Diameter, FastPipe Compression Union Note: For compresed air system	24.03	3.44
22 15 13 00-0011	EA	1" Diameter, FastPipe Compression Union Note: For compresed air system	36.15	4.91
22 15 13 00-0012	EA	1-1/2" Diameter, FastPipe Compression Union Note: For compresed air system	56.43	6.88
22 15 13 00-0013	EA	2" Diameter, FastPipe Compression Union Note: For compresed air system	70.64	8.85
22 15 13 00-0014	EA	3" Diameter, FastPipe Compression Union Note: For compresed air system	134.80	13.77

22 15 13 00-0015 Compression 90 Degree Elbow *(22 15 13 00-0008)*

22 15 13 00-0016	EA	3/4" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	25.44	3.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0017	EA	1" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	37.62	4.91
22 15 13 00-0018	EA	1-1/2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	57.99	6.88
22 15 13 00-0019	EA	2" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	79.47	8.85
22 15 13 00-0020	EA	3" Diameter, FastPipe Compression 90 Degree Elbow Note: For compresed air system	153.57	13.77
22 15 13 00-0021		Compression 45 Degree Elbow *(22 15 13 00-0008)*		
22 15 13 00-0022	EA	1" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	37.94	4.91
22 15 13 00-0023	EA	1-1/2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	64.77	6.88
22 15 13 00-0024	EA	2" Diameter, FastPipe Compression 45 Degree Elbow Note: For compresed air system	85.85	8.85
22 15 13 00-0025		Compression Tee *(22 15 13 00-0008)*		
22 15 13 00-0026	EA	3/4" Diameter, FastPipe Compression Tee Note: For compresed air system	34.24	5.16
22 15 13 00-0027	EA	1" Diameter, FastPipe Compression Tee Note: For compresed air system	48.50	7.38
22 15 13 00-0028	EA	1-1/2" Diameter, FastPipe Compression Tee Note: For compresed air system	89.78	10.33
22 15 13 00-0029	EA	2" Diameter, FastPipe Compression Tee Note: For compresed air system	111.79	13.28
22 15 13 00-0030	EA	3" Diameter, FastPipe Compression Tee Note: For compresed air system	212.71	20.64
22 15 13 00-0031		Compression Reducing Tee *(22 15 13 00-0008)*		
22 15 13 00-0032	EA	1" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	46.54	6.63
22 15 13 00-0033	EA	1-1/2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	80.52	8.61
22 15 13 00-0034	EA	1-1/2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	83.98	9.34
22 15 13 00-0035	EA	2" x 3/4" FastPipe Compression Reducing Tee Note: For compresed air system	101.81	10.57
22 15 13 00-0036	EA	2" x 1" FastPipe Compression Reducing Tee Note: For compresed air system	104.92	11.30
22 15 13 00-0037		Compression Reducing Union *(22 15 13 00-0008)*		
22 15 13 00-0038	EA	1" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	34.94	4.18
22 15 13 00-0039	EA	1-1/2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	51.24	5.16
22 15 13 00-0040	EA	1-1/2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	52.23	5.90
22 15 13 00-0041	EA	2" x 3/4" FastPipe Compression Reducing Union Note: For compresed air system	65.01	6.15
22 15 13 00-0042	EA	2" x 1" FastPipe Compression Reducing Union Note: For compresed air system	67.37	6.88
22 15 13 00-0043	EA	2" x 1-1/2" FastPipe Compression Reducing Union Note: For compresed air system	71.48	7.87
22 15 13 00-0044		Compression x NPT 90 Degree Reducing Elbow *(22 15 13 00-0008)*		
22 15 13 00-0045	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	51.44	7.13
22 15 13 00-0046	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	54.77	8.11
22 15 13 00-0047	EA	1" x 1/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	60.56	7.87
22 15 13 00-0048	EA	1" x 1/2" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	62.50	8.85
22 15 13 00-0049	EA	1" x 3/4" Diameter NPT, FastPipe Compression 90 Degree Reducing Elbow Note: For compresed air system	64.96	9.83
22 15 13 00-0050		Compression x NPT Reducing Tee *(22 15 13 00-0008)*		
22 15 13 00-0051	EA	3/4" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	59.48	8.85
22 15 13 00-0052	EA	3/4" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	61.82	9.83
22 15 13 00-0053	EA	1" x 1/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	70.67	10.33
22 15 13 00-0054	EA	1" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	72.78	11.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0055	EA	1" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	75.47	12.29
22 15 13 00-0056	EA	1-1/2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	101.28	13.28
22 15 13 00-0057	EA	1-1/2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	103.74	14.25
22 15 13 00-0058	EA	2" x 1/2" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	113.10	15.24
22 15 13 00-0059	EA	2" x 3/4" Diameter NPT, FastPipe Compression Reducing Tee Note: For compresed air system	115.56	16.22
22 15 13 00-0060		**Compression Inline Valve** *(22 15 13 00-0008)*		
22 15 13 00-0061	EA	3/4" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	77.42	3.44
22 15 13 00-0062	EA	1" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	99.40	4.91
22 15 13 00-0063	EA	1-1/2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	205.91	6.88
22 15 13 00-0064	EA	2" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	297.61	8.85
22 15 13 00-0065	EA	3" Diameter, FastPipe Compression Inline Valve Note: For compresed air system	480.21	13.77
22 15 13 00-0066		**Compression Single Port Wall Outlet** *(22 15 13 00-0008)*		
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	68.25	8.11
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compresed air system	70.64	8.85
22 15 13 00-0069		**NPT Push To Connect Coupler** *(22 15 13 00-0008)*		
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler Note: For compresed air system	26.97	6.39
22 15 13 00-0071		**Quick Disconnect, Air-Service** *(22 15 13)*		
22 15 13 00-0072		**Combination Steel And Brass** *(22 15 13 00-0071)*		
22 15 13 00-0073	EA	1/2" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	58.99	17.21
22 15 13 00-0074	EA	3/4" Diameter, Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	65.80	20.89
22 15 13 00-0075		**Refrigerated Air Dryers With Ambient Air Filters** *(22 15 13)* Note: 120 Voltage, 1 Phase		
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	866.91	98.04
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	993.91	100.77
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,174.35	103.49
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,323.54	108.93
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,728.47	122.55
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,954.24	139.43
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,191.88	157.95
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,578.27	177.01
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,988.31	206.98
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,370.26	221.13
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,963.88	245.09
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,561.96	272.33
		For 230 Voltage, Add	*1,205.19*	
22 15 13 00-0088	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,929.71	299.57
		For 230 Voltage, Add	*1,299.17*	
22 15 13 00-0089	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,306.93	332.24
		For 230 Voltage, Add	*1,393.16*	
22 15 13 00-0090	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,738.90	354.03
		For 230 Voltage, Add	*1,509.25*	
22 15 13 00-0091	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,070.20	367.65
		For 230 Voltage, Add	*1,600.47*	
22 15 13 00-0092	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,575.43	381.27
		For 230 Voltage, Add	*2,943.87*	
22 15 13 00-0093	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	11,367.43	394.88
		For 230 Voltage, Add	*3,173.30*	
22 15 13 00-0094	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,137.32	408.50
		For 230 Voltage, Add	*3,396.10*	
22 15 13 00-0095	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,430.78	435.73
		For 230 Voltage, Add	*4,067.80*	
22 15 13 00-0096	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	16,356.93	544.66
		For 230 Voltage, Add	*4,580.28*	
22 15 13 00-0097	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	23,291.79	653.59
		For 230 Voltage, Add	*6,595.38*	
22 15 13 00-0098	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	31,654.84	762.52
		For 230 Voltage, Add	*9,038.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0099	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	35,438.52	871.46
		For 230 Voltage, Add	*10,108.68*	
22 15 13 00-0100		**Oil And Water Separator For Air Compressor** *(22 15 13)*		
22 15 13 00-0101	EA	0-60 SCFM Oil/Water Separator	786.32	39.34
22 15 13 00-0102	EA	85 SCFM Oil/Water Separator	1,054.15	46.10
22 15 13 00-0103	EA	190 SCFM Oil/Water Separator	1,232.29	52.26
22 15 13 00-0104	EA	245 SCFM Oil/Water Separator	1,547.43	61.47
22 15 13 00-0105	EA	320 SCFM Oil/Water Separator	1,839.23	73.77
22 15 13 00-0106	EA	700 SCFM Oil/Water Separator	3,707.34	153.69
22 15 13 00-0107		**Heavy-Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0108	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	133.54	32.68
22 15 13 00-0109	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	186.66	43.57
22 15 13 00-0110	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	320.48	54.47
22 15 13 00-0111	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	400.75	81.70
22 15 13 00-0112	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	561.66	95.31
22 15 13 00-0113	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	588.89	108.93
22 15 13 00-0114		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0115	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	509.34	98.04
22 15 13 00-0116	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	629.98	130.72
22 15 13 00-0117		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0118	EA	5 SCFM Heatless Desiccant Air Dryer	3,038.97	98.04
22 15 13 00-0119	EA	10 SCFM Heatless Desiccant Air Dryer	3,654.68	108.93
22 15 13 00-0120	EA	15 SCFM Heatless Desiccant Air Dryer	3,689.37	119.83
22 15 13 00-0121	EA	20 SCFM Heatless Desiccant Air Dryer	4,214.14	136.16
22 15 13 00-0122	EA	30 SCFM Heatless Desiccant Air Dryer	5,807.29	163.40
22 15 13 00-0123	EA	50 SCFM Heatless Desiccant Air Dryer	5,730.09	217.86
22 15 13 00-0124	EA	85 SCFM Heatless Desiccant Air Dryer	7,698.41	272.33
22 15 13 00-0125	EA	100 SCFM Heatless Desiccant Air Dryer	8,166.32	326.80
22 15 13 00-0126	EA	125 SCFM Heatless Desiccant Air Dryer	9,348.49	381.27
22 15 13 00-0127	EA	175 SCFM Heatless Desiccant Air Dryer	10,735.05	435.73
22 15 13 00-0128	EA	200 SCFM Heatless Desiccant Air Dryer	11,534.12	490.20
22 15 13 00-0129	EA	300 SCFM Heatless Desiccant Air Dryer	14,108.71	544.66
22 15 13 00-0130	EA	400 SCFM Heatless Desiccant Air Dryer	15,668.13	653.59
22 15 13 00-0131	EA	500 SCFM Heatless Desiccant Air Dryer	18,108.42	762.52
22 15 13 00-0132	EA	600 SCFM Heatless Desiccant Air Dryer	20,895.14	871.46
22 15 13 00-0133		**Air-Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0134	EA	20 SCFM Air-Cooled Aftercooler	762.74	68.08
22 15 13 00-0135	EA	35 SCFM Air-Cooled Aftercooler	1,031.36	81.70
22 15 13 00-0136	EA	43 SCFM Air-Cooled Aftercooler	1,132.30	95.31
22 15 13 00-0137	EA	70 SCFM Air-Cooled Aftercooler	1,384.35	108.93
22 15 13 00-0138	EA	125 SCFM Air-Cooled Aftercooler	1,931.25	122.55
22 15 13 00-0139	EA	185 SCFM Air-Cooled Aftercooler	2,168.57	136.16
22 15 13 00-0140	EA	260 SCFM Air-Cooled Aftercooler	4,208.47	163.40
22 15 13 00-0141	EA	365 SCFM Air-Cooled Aftercooler	4,397.84	190.63
22 15 13 00-0142	EA	560 SCFM Air-Cooled Aftercooler	4,585.72	217.86
22 15 13 00-0143	EA	650 SCFM Air-Cooled Aftercooler	5,378.78	245.09
22 15 13 00-0144	EA	750 SCFM Air-Cooled Aftercooler	5,879.93	272.33
22 15 13 00-0145	EA	900 SCFM Air-Cooled Aftercooler	6,743.76	299.57
22 15 13 00-0146	EA	1,100 SCFM Air-Cooled Aftercooler	8,663.14	326.80
22 15 13 00-0147	EA	1,460 SCFM Air-Cooled Aftercooler	9,911.00	354.03
22 15 13 00-0148	EA	1,800 SCFM Air-Cooled Aftercooler	10,232.67	381.27
22 15 13 00-0149	EA	2,500 SCFM Air-Cooled Aftercooler	10,972.67	408.50
22 15 13 00-0150		**Compressed Air Coalescing Filters** *(22 15 13)*		
22 15 13 00-0151		**1.0 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		
22 15 13 00-0152	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	264.20	39.96
22 15 13 00-0153	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	315.80	39.96
22 15 13 00-0154	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	344.67	46.10
22 15 13 00-0155	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	396.89	52.87
22 15 13 00-0156	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	463.25	58.40
22 15 13 00-0157	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	524.68	70.69
22 15 13 00-0158	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	547.59	76.84
22 15 13 00-0159	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	685.66	92.21
22 15 13 00-0160	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	879.82	122.95
22 15 13 00-0161	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	1,006.38	138.31
22 15 13 00-0162		**0.01 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0150)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0163	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	323.17	39.96
22 15 13 00-0164	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	350.18	46.10
22 15 13 00-0165	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	402.05	52.87
22 15 13 00-0166	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	473.57	52.26
22 15 13 00-0167	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	536.48	70.69
22 15 13 00-0168	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	608.86	76.84
22 15 13 00-0169	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	698.93	92.21
22 15 13 00-0170	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	901.94	122.95
22 15 13 00-0171	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	1,035.86	138.31

22 15 13 00-0172 Compressed Air Storage Tanks *(22 15 13)*

22 15 13 00-0173 Horizontal Compressed Air Storage Tanks *(22 15 13 00-0172)*

22 15 13 00-0174	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	432.28	87.15
22 15 13 00-0175	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	973.41	95.31
22 15 13 00-0176	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	1,032.14	100.22
22 15 13 00-0177	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	1,182.15	108.93
22 15 13 00-0178	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	1,538.26	147.06
22 15 13 00-0179	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,871.32	163.40
22 15 13 00-0180	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	2,862.21	190.63
22 15 13 00-0181	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	4,335.46	217.86
22 15 13 00-0182	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	4,845.10	231.48
22 15 13 00-0183	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	7,094.92	245.09
22 15 13 00-0184	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	9,385.04	285.95
22 15 13 00-0185	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	13,572.30	340.42

22 15 13 00-0186 Vertical Compressed Air Storage Tanks *(22 15 13 00-0172)*

22 15 13 00-0187	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	908.15	87.15
22 15 13 00-0188	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	948.95	95.31
22 15 13 00-0189	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	1,032.14	100.22
22 15 13 00-0190	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	1,230.59	108.93
22 15 13 00-0191	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	1,683.56	147.06
22 15 13 00-0192	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,941.29	163.40
22 15 13 00-0193	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	2,710.05	190.63
22 15 13 00-0194	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	4,021.86	217.86
22 15 13 00-0195	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	4,445.38	231.48
22 15 13 00-0196	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	6,116.46	245.09
22 15 13 00-0197	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	7,866.47	285.95
22 15 13 00-0198	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	10,318.20	313.19
22 15 13 00-0199	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	17,317.76	354.03

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001 Single Stage Compressor *(22 15 19 13)*

Note: Includes receiver, reciprocating air-cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,207.72	386.49
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,348.86	446.08
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,820.47	526.80
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,353.69	581.27
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	5,331.50	613.94
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,697.74	635.73
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	6,397.50	726.58
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,862.52	770.16
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air-Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	8,237.00	871.90

22 15 19 13-0011 Two Stage Compressor *(22 15 19 13)*

Note: With receiver, reciprocating air-cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	6,137.00	679.30
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	6,584.00	799.24
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	6,879.76	871.90
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	7,845.13	1,162.53
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	8,463.36	1,162.53
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	9,074.10	1,453.17
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	9,634.82	1,453.17
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	12,356.23	1,797.38
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	13,253.59	1,851.85
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	14,318.35	2,164.27
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	21,636.31	2,449.90
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	23,233.21	2,768.30
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	25,897.91	3,059.59
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	28,172.34	3,353.16

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver *(22 15 19 19)*
Note: Oil flooded.

22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	10,498.68	981.12
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	11,694.98	1,308.16
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	14,999.00	1,640.12
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	17,326.84	2,090.11
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,822.82	2,458.94
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	24,072.89	2,766.32
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	26,376.23	3,073.69
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	31,753.53	3,442.52
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	34,914.45	3,688.42
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	39,209.53	3,974.89
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	51,075.78	4,303.17
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	56,695.25	4,549.05
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	91,249.54	4,917.90
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	113,930.66	5,317.47
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	132,393.79	5,723.20
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	172,406.65	6,147.38
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	195,926.66	6,540.80

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*
Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,095.34	1,308.16
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	13,923.49	1,308.16
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,657.48	1,640.12
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,563.27	1,640.12
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	17,689.15	2,090.11
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	18,646.69	2,090.11
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	20,121.87	2,458.94
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	21,157.05	2,458.94
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	34,976.78	2,766.32
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	37,668.32	3,073.69
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	40,101.10	3,442.52

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) *(22 31 16)*

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*
Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	5,298.28	311.22
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	5,538.08	325.36
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	5,982.56	339.50
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	6,902.37	353.65
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	7,360.48	367.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0009		1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	7,990.72	339.50
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	8,405.65	353.65
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	8,866.03	367.80
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	10,559.08	381.94
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	11,749.52	396.09
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	14,336.34	410.24
22 31 16 00-0016		2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	12,203.64	353.65
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	12,648.11	367.80
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	14,345.71	381.94
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	15,536.14	396.09
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	18,263.97	410.24
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	24,139.35	424.39
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	28,263.58	438.52
22 31 16 00-0024		3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	29,689.80	410.24
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	34,321.17	424.39
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	38,390.81	438.52
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	48,378.03	452.67
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	53,582.53	466.82
22 31 16 00-0030		Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0031		2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	20,050.95	530.48
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	20,941.68	551.69
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	23,870.14	572.92
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	26,111.78	594.14
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	31,921.71	615.35
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	42,366.57	636.57
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	49,904.93	657.80
22 31 16 00-0039		3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	54,582.34	615.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	62,734.76	636.57
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	70,525.56	657.80
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	89,805.89	679.01
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Diameter Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	100,293.95	700.23
22 31 16 00-0045		Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*		
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	6,942.21	466.82
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	7,407.66	488.04
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	8,089.15	509.26
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	9,741.77	530.48
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	10,789.43	551.69
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	13,758.86	509.26
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	14,510.87	530.48
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	15,626.76	551.69
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	17,911.60	572.92
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	20,230.57	594.14
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	25,383.25	615.35

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	2,730.69	199.79
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	2,781.89	215.16
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	2,960.46	230.52
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	3,280.01	245.90
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	3,376.70	261.26
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	4,103.36	276.63
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	11,652.77	292.00
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	13,564.31	307.37
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	17,238.40	322.74
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	19,127.20	338.11
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	13.44	2.46
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	13.44	2.46
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	13.44	2.46
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	11.16	2.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	14.01	2.46
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	14.01	2.46
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	15.14	2.46
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	19.12	2.46
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	15.14	2.46
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	17.99	2.46
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	17.99	2.46
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	17.99	2.46
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	19.69	2.46
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	25.95	2.46
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	23.67	2.46
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	23.67	2.46
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	25.95	2.46
22 32 16 00-0033		Pleated Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	24.24	2.46
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	24.24	2.46
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	24.81	2.46
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	26.52	2.46
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	40.16	2.46
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	38.46	2.46
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	38.46	2.46
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	38.46	2.46
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	50.96	2.46
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	72.57	2.46
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	60.63	2.46
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	84.51	2.46
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	87.92	2.46
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	99.29	2.46
22 32 16 00-0048		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0049		Commercial Non-Metallic Water Filter Housings *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	2,143.90	184.42
22 32 16 00-0051		Commercial Water Filter Cartridges *(22 32 16 00-0048)*		
22 32 16 00-0052		Carbon Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	713.34	2.46
22 32 16 00-0054		(Depth) Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	147.62	2.46
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	146.48	2.46
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	146.48	2.46
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	168.09	2.46
22 32 16 00-0059		Pleated Water Filter Cartridges *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	391.53	2.46
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	367.65	2.46
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	400.63	2.46
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	419.96	2.46
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	447.25	2.46
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	484.78	2.46

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*

22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	583.15	61.45
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	633.72	61.45

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)*

Note: Temperature rise decreases with increased flow rate.

22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	772.17	92.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	799.59	122.90
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	1,353.39	215.08
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	2,061.08	245.80
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	1,578.02	122.90
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	2,152.71	184.35
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	2,362.87	245.80
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	2,455.28	245.80
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	2,542.55	245.80
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	2,670.90	245.80

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	1,064.66	193.57
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	1,315.12	205.86
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	1,559.44	215.08

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,669.85	215.08
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	1,566.09	221.23
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	1,538.85	227.37
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,723.59	230.44
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	2,528.60	236.58
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	2,575.27	245.80
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	3,442.20	261.16

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,796.63	215.08
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,707.27	221.23
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,809.91	227.37

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,855.36	221.23
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	2,030.15	227.37
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	2,508.70	236.58
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	2,730.42	245.80

22 33 30 16-0018 Water Heater Accessories *(22 33 30 16)*

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	143.31	12.29
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	169.80	12.29
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	333.45	12.29
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	448.63	12.29
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	78.00	9.22
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	85.17	9.22
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	89.96	9.22
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	106.70	9.22
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	42.00	9.22
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	45.83	9.22
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	51.21	9.22
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	58.13	9.22

22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters *(22 33 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 30 23-0001		Solar Electric Domestic Water Heaters (A.O. Smith CIRREX) *(22 33 30 23)*		
		Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.		
22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater	4,270.08	245.80
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater	5,126.32	261.16
22 33 33		**Light-Commercial Electric Domestic Water Heaters** *(22 33)*		
22 33 33 00-0001		Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*		
		Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,727.73	215.08
22 33 33 00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,961.22	215.08
22 33 33 00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	3,196.85	245.80
22 33 33 00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	5,865.23	245.80
22 33 33 00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	6,729.35	307.25
22 33 33 00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	7,408.16	368.71
22 33 33 00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	8,658.92	553.05
22 33 33 00-0009		Heavy-Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*		
		Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.		
22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-5-3)	10,992.29	215.08
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-3)	11,437.02	215.08
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-10-6)	11,918.81	215.08
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-3)	11,980.26	245.80
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-6)	12,536.17	245.80
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-9)	13,425.63	245.80
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-12)	14,018.61	245.80
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-15)	14,500.40	245.80
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-20-18)	15,019.25	245.80
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-6)	13,092.09	245.80
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-9)	13,610.94	245.80
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-12)	14,203.91	245.80
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-15)	14,685.70	245.80
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-18)	15,204.55	245.80
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-30-24)	19,021.81	245.80
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-9)	14,215.63	307.25
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-12)	14,697.42	307.25
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-15)	15,290.39	307.25
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-18)	15,809.24	307.25
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-24)	19,663.57	307.25
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-30)	21,442.48	307.25
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-40-36)	23,184.34	307.25
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-9)	16,413.93	368.71
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-12)	16,895.72	368.71
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-15)	17,377.51	368.71
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-18)	17,896.37	368.71
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-24)	21,861.87	368.71
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-30)	23,640.79	368.71
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-36)	25,382.65	368.71
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-45)	28,532.81	368.71
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-54)	29,941.13	368.71
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-60)	34,833.15	368.71
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-75)	41,133.49	368.71
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-50-90)	51,732.88	368.71
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-9)	18,364.54	491.60
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-12)	18,920.45	491.60
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-15)	19,439.30	491.60
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-18)	19,884.03	491.60
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-24)	23,812.48	491.60
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-30)	25,591.40	491.60
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-36)	27,296.19	491.60
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-45)	30,520.48	491.60
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-54)	31,891.73	491.60
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-60)	36,820.82	491.60
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-75)	43,158.22	491.60
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-65-90)	53,720.54	491.60
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-12)	20,525.78	553.05
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-15)	21,044.64	553.05
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-18)	21,489.36	553.05
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-24)	25,454.87	553.05
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-30)	27,048.48	553.05
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-36)	28,901.52	553.05
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-45)	32,125.81	553.05
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-54)	33,534.12	553.05
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-60)	38,166.72	553.05
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-75)	44,763.55	553.05
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-80-90)	55,325.88	553.05
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-15)	23,094.70	614.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-18)	23,687.67	614.50
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-24)	27,541.99	614.50
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-30)	29,320.91	614.50
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-36)	31,062.77	614.50
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-45)	34,212.94	614.50
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-54)	35,658.31	614.50
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-60)	40,513.27	614.50
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-75)	46,813.61	614.50
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-100-90)	57,450.06	614.50
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-15)	24,674.69	737.40
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-18)	25,193.54	737.40
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-24)	29,047.86	737.40
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-30)	30,752.66	737.40
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-36)	32,568.64	737.40
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-45)	35,718.80	737.40
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-54)	37,052.99	737.40
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-60)	42,056.20	737.40
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-75)	48,393.60	737.40
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy-Duty Electric Commercial Water Heater (DSE-120-90)	58,918.86	737.40
22 33 33 00-0087		Water Heater Accessories *(22 33 33)*		
22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	50.84	
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	74.47	
22 33 33 00-0090		Removal And Reinstallation Of Water Heater *(22 33 33)* Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	409.67	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,229.01	
22 33 36		**Commercial Domestic Water Electric Booster Heaters** *(22 33)*		
22 33 36 16		**Commercial Storage Electric Domestic Water Heaters** *(22 33 36)*		
22 33 36 16-0001		Commercial Storage Electric Domestic Water Heaters *(22 33 36 16)*		
22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,290.86	817.52
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,325.29	817.52
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,359.74	817.52
22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	47,394.17	817.52
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	51,463.03	817.52
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	55,531.91	817.52
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	58,787.01	817.52
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	43,987.02	960.58
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	46,037.10	960.58
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	48,087.19	960.58
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	50,137.27	960.58
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	54,237.44	960.58
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	58,337.61	960.58
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	61,617.75	960.58
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	66,537.94	960.58
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	45,676.81	1,093.43
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	47,697.33	1,093.43
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	49,717.86	1,093.43
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	51,738.38	1,093.43
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	55,779.43	1,093.43
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	59,820.48	1,093.43
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	63,861.53	1,093.43
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	68,710.79	1,093.43
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	73,560.04	1,093.43
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	50,385.68	1,256.93
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	52,419.14	1,256.93
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	54,452.59	1,256.93
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	58,519.51	1,256.93
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	62,586.42	1,256.93
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	65,839.95	1,256.93
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	72,075.89	1,256.93
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	76,956.18	1,256.93
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	79,396.33	1,256.93
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	81,836.48	1,256.93
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	84,276.63	1,256.93
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	55,929.23	1,481.74
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	57,834.79	1,481.74
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	59,740.36	1,481.74
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	63,551.48	1,481.74
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	67,362.60	1,481.74
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	70,411.50	1,481.74
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	74,984.85	1,481.74
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	79,558.19	1,481.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	81,844.87	1,481.74
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	84,131.54	1,481.74
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	86,418.21	1,481.74
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater	89,848.23	1,481.74
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	61,329.70	1,635.03
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	63,684.07	1,635.03
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	66,038.44	1,635.03
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	70,747.17	1,635.03
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	75,455.90	1,635.03
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	79,222.89	1,635.03
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	84,873.37	1,635.03
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	90,523.85	1,635.03
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	93,349.08	1,635.03
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	96,174.32	1,635.03
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	98,999.57	1,635.03
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	104,650.04	1,635.03
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	107,475.28	1,635.03
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	71,597.65	1,839.40
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	74,106.75	1,839.40
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	76,615.84	1,839.40
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	81,634.04	1,839.40
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	86,652.24	1,839.40
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	90,666.79	1,839.40
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	96,688.63	1,839.40
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	102,710.47	1,839.40
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	105,721.38	1,839.40
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	108,732.30	1,839.40
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	111,743.22	1,839.40
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	117,765.06	1,839.40
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	120,775.98	1,839.40
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	126,797.81	1,839.40
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	132,819.64	1,839.40
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	84,056.52	2,043.79
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	86,973.79	2,043.79
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	89,891.07	2,043.79
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	95,725.60	2,043.79
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	101,560.15	2,043.79
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	106,227.78	2,043.79
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	112,249.62	2,043.79
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	119,251.07	2,043.79
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	122,751.80	2,043.79
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	126,252.52	2,043.79
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	129,753.24	2,043.79
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	137,734.31	2,043.79
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	144,735.76	2,043.79
22 33 36 16-0090	EA	600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	148,236.49	2,043.79
22 33 36 16-0091	EA	600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	155,237.93	2,043.79
22 33 36 16-0092	EA	800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	96,928.25	2,728.45
22 33 36 16-0093	EA	800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	102,873.15	2,728.45
22 33 36 16-0094	EA	800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	108,818.05	2,728.45
22 33 36 16-0095	EA	800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	113,573.97	2,728.45
22 33 36 16-0096	EA	800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	120,707.86	2,728.45
22 33 36 16-0097	EA	800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	127,841.73	2,728.45
22 33 36 16-0098	EA	800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	131,408.68	2,728.45
22 33 36 16-0099	EA	800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	134,975.62	2,728.45
22 33 36 16-0100	EA	800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	138,542.55	2,728.45
22 33 36 16-0101	EA	800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	145,676.44	2,728.45
22 33 36 16-0102	EA	800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	152,810.33	2,728.45
22 33 36 16-0103	EA	800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	156,377.26	2,728.45
22 33 36 16-0104	EA	800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	163,511.15	2,728.45
22 33 36 16-0105	EA	1,000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	113,489.39	3,505.10
22 33 36 16-0106	EA	1,000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	118,579.29	3,505.10
22 33 36 16-0107	EA	1,000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	123,669.19	3,505.10
22 33 36 16-0108	EA	1,000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	127,741.12	3,505.10
22 33 36 16-0109	EA	1,000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	133,849.01	3,505.10
22 33 36 16-0110	EA	1,000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	139,956.90	3,505.10
22 33 36 16-0111	EA	1,000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	143,010.83	3,505.10
22 33 36 16-0112	EA	1,000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	146,064.78	3,505.10
22 33 36 16-0113	EA	1,000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	149,118.72	3,505.10
22 33 36 16-0114	EA	1,000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	155,226.60	3,505.10
22 33 36 16-0115	EA	1,000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	161,334.49	3,505.10
22 33 36 16-0116	EA	1,000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	164,388.43	3,505.10
22 33 36 16-0117	EA	1,000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	170,496.31	3,505.10
22 33 36 16-0118	EA	1,250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	125,926.68	4,087.58
22 33 36 16-0119	EA	1,250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	130,603.78	4,087.58
22 33 36 16-0120	EA	1,250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	135,280.88	4,087.58
22 33 36 16-0121	EA	1,250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	139,022.56	4,087.58
22 33 36 16-0122	EA	1,250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	144,635.09	4,087.58
22 33 36 16-0123	EA	1,250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	150,247.61	4,087.58
22 33 36 16-0124	EA	1,250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	153,053.87	4,087.58
22 33 36 16-0125	EA	1,250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	155,860.13	4,087.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0126	EA	1,250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	158,666.40	4,087.58
22 33 36 16-0127	EA	1,250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	164,278.91	4,087.58
22 33 36 16-0128	EA	1,250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	169,891.43	4,087.58
22 33 36 16-0129	EA	1,250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	172,697.69	4,087.58
22 33 36 16-0130	EA	1,250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	178,310.22	4,087.58
22 33 36 16-0131	EA	1,250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	183,922.74	4,087.58
22 33 36 16-0132	EA	1,500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater	138,171.30	4,905.09
22 33 36 16-0133	EA	1,500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater	142,690.09	4,905.09
22 33 36 16-0134	EA	1,500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater	147,208.89	4,905.09
22 33 36 16-0135	EA	1,500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater	150,823.92	4,905.09
22 33 36 16-0136	EA	1,500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater	156,246.47	4,905.09
22 33 36 16-0137	EA	1,500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater	161,669.03	4,905.09
22 33 36 16-0138	EA	1,500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater	164,380.30	4,905.09
22 33 36 16-0139	EA	1,500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater	167,091.58	4,905.09
22 33 36 16-0140	EA	1,500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater	169,802.85	4,905.09
22 33 36 16-0141	EA	1,500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater	175,225.41	4,905.09
22 33 36 16-0142	EA	1,500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater	180,647.96	4,905.09
22 33 36 16-0143	EA	1,500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater	183,359.23	4,905.09
22 33 36 16-0144	EA	1,500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater	188,781.78	4,905.09
22 33 36 16-0145	EA	1,500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater	194,204.34	4,905.09

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	2,359.40	245.80
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	2,561.23	248.87
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	2,822.56	255.02
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	3,314.86	261.16
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	4,043.18	276.52
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	4,132.12	276.52

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*

22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	2,555.08	245.80
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	4,043.18	276.52

22 34 30 Residential Gas Domestic Water Heaters *(22 34)*

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,743.64	236.58
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,707.93	242.72
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	2,304.71	248.87
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	2,500.67	255.02
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	2,738.71	261.16
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	4,099.48	276.52

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	3,274.04	242.72
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	3,744.74	248.87
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	4,901.29	255.02

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	2,964.43	242.72
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	3,089.66	248.87

22 34 36 Commercial Gas Domestic Water Heaters *(22 34)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13		**Commercial, Atmospheric, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)* Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	7,122.82	368.71
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	7,599.61	430.15
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	9,407.28	491.60
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	8,130.24	491.60
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	9,355.11	491.60
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	12,487.74	540.77
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	9,051.68	553.05
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	13,448.50	608.36
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	9,193.21	553.05
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	12,825.11	608.36
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	10,180.33	675.96
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	14,022.16	743.55
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	11,460.81	675.96
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	14,106.40	743.55
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	11,078.32	737.40
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	15,572.61	811.15
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	14,094.10	737.40
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	18,470.52	811.15
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	18,395.38	798.86
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	9,183.29	430.15
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	11,021.54	473.17
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	9,542.06	491.60
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	11,443.15	540.77
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	2,299.25	307.25
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	2,518.27	307.25
22 34 36 13-0027		Removal And Reinstallation Of Water Heater *(22 34 36 13)* Note: Includes storage and cleaning.		
22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	558.64	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,477.17	
22 34 36 19		**Commercial, Power-Vent, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 19-0001		Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	5,791.81	368.71
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	8,302.20	368.71
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	10,126.79	430.15
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	10,536.11	491.60
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	10,586.66	491.60
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	10,822.53	491.60
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	12,706.77	540.77
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	11,939.48	553.05
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	14,695.28	608.36
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	12,505.40	675.96
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	15,336.33	743.55
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	12,774.97	675.96
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	15,504.81	743.55
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	14,329.98	737.40
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	16,853.08	811.15
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	17,379.52	737.40
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	20,054.26	811.15

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0019		Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	4,477.64	368.71
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	6,027.68	368.71
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	7,308.15	368.71
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	10,549.38	405.57
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	10,800.72	430.15
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	13,633.03	473.17
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	10,957.32	491.60
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	14,037.79	540.77
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	12,663.96	553.05
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	15,419.75	608.36
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	20,188.64	743.55
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	21,216.79	811.15
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	24,418.36	878.74
22 34 36 23		**Commercial, High-Efficiency, Gas Domestic Water Heaters** *(22 34 36)*		
22 34 36 23-0001		Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm) *(22 34 36 23)* Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.		
22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	97,971.65	1,635.03
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	118,559.93	1,737.22
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	144,173.27	1,839.40
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	172,463.28	1,941.60
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	180,766.20	2,043.79
22 34 36 23-0007		Gas Fired Volume Water Heater (Laars Mighty Therm) *(22 34 36 23)*		
22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,074.80	905.81
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,092.73	1,019.04
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,146.00	1,245.50
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,169.62	1,358.73
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,364.24	1,585.17
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	27,869.99	1,811.63
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	30,779.98	2,038.08
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	36,836.31	2,264.54
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	38,217.37	2,377.76
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	41,011.79	2,490.99
22 34 36 23-0018		Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) *(22 34 36 23)* Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.		
22 34 36 23-0019	EA	150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,390.18	679.25
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0020	EA	199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	23,703.55	905.81
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0021	EA	285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	31,066.91	1,019.04
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0022	EA	399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	39,020.79	1,245.50
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0023	EA	500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	46,129.66	1,358.73
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0024	EA	600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	52,179.71	1,471.94
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0025	EA	750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	62,680.79	1,585.17
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0026	EA	850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	69,480.83	1,698.40
		For Skid Mounting, Add	*950.00*	
22 34 36 23-0027	EA	1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	91,478.59	1,811.63
		For Skid Mounting, Add	*950.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 23-0028	EA	1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	122,984.66	2,377.76
		For Skid Mounting, Add	*950.00*	

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	36,752.61	1,721.05
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	51,919.19	1,902.21
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	56,338.18	1,992.79
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	61,020.24	2,173.95

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	32,590.31	1,721.05
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	36,003.78	1,902.21
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	39,361.11	1,992.79
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	42,765.03	2,173.95

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,365.09	815.23
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,202.76	905.81
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	10,808.05	1,086.98
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,245.93	1,132.27
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	16,795.73	1,358.73
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,714.21	1,630.47
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	23,547.86	1,721.05
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,101.60	1,856.92
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	28,492.77	1,947.50
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	30,581.29	1,992.79

22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	23,777.56	1,358.73
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,226.59	1,630.47
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	31,391.22	1,856.92
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,360.20	1,947.50
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,847.46	1,992.79

22 34 36 26-0028 Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*

22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	28,597.26	1,630.47
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	34,536.97	1,856.92
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,661.90	1,992.79

22 34 46 Oil-Fired Domestic Water Heaters *(22 34)*

22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters *(22 34 46)*

22 34 46 11-0001 Oil-Fired Domestic Water Heaters *(22 34 46 11)*

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	3,826.86	189.27
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	3,780.54	189.27
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	3,929.37	189.27
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	4,119.03	194.18
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	5,128.25	199.10
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	4,392.27	199.10

22 34 46 11-0008 Oil-Fired Commercial Water Heaters *(22 34 46 11)*

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Domestic Water Heater (Bock 71E)	5,828.76	294.96
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 72E)	6,797.73	294.96
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Domestic Water Heater (Bock 73E)	6,835.01	294.96
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Domestic Water Heater (Bock 120E)	9,549.06	393.28
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Domestic Water Heater (Bock 361E)	13,436.85	491.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Domestic Water Heater (Bock 541E)	16,709.83	540.77

22 35 Domestic Water Heat Exchangers *(22 30)*

22 35 23 Circulating, Domestic Water Heat Exchangers *(22 35)*

22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers *(22 35 23)*

22 35 23 13-0001 Steam Driven Water Heaters *(22 35 23 13)*

22 35 23 13-0002 Constant Flow *(22 35 23 13-0001)*

22 35 23 13-0003	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Constant Flow	6,553.37	614.50
22 35 23 13-0004	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Constant Flow	8,183.17	753.01
22 35 23 13-0005	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Constant Flow	10,488.53	984.81
22 35 23 13-0006	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Constant Flow	14,197.88	1,371.70
22 35 23 13-0007	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Constant Flow	20,980.74	2,259.16
22 35 23 13-0008	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Constant Flow	22,878.32	2,560.39
22 35 23 13-0009	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Constant Flow	29,969.02	2,954.29
22 35 23 13-0010	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Constant Flow	36,051.12	3,491.49

22 35 23 13-0011 Variable Flow *(22 35 23 13-0001)*

22 35 23 13-0012	EA	30 GPM, 700 Lb./Hour Steam Water Heater, Variable Flow	9,908.33	1,198.28
22 35 23 13-0013	EA	90 GPM, 1,250 Lb./Hour Steam Water Heater, Variable Flow	11,243.72	1,463.13
22 35 23 13-0014	EA	140 GPM, 2,500 Lb./Hour Steam Water Heater, Variable Flow	14,346.26	1,891.93
22 35 23 13-0015	EA	230 GPM, 5,000 Lb./Hour Steam Water Heater, Variable Flow	18,834.77	2,639.66
22 35 23 13-0016	EA	500 GPM, 7,500 Lb./Hour Steam Water Heater, Variable Flow	28,169.45	4,414.60
22 35 23 13-0017	EA	900 GPM, 10,000 Lb./Hour Steam Water Heater, Variable Flow	34,215.21	4,861.59
22 35 23 13-0018	EA	1,400 GPM, 15,000 Lb./Hour Steam Water Heater, Variable Flow	39,641.97	5,689.82
22 35 23 13-0019	EA	2,400 GPM, 20,000 Lb./Hour Steam Water Heater, Variable Flow	50,146.22	6,797.64

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 26 Residential Disposers *(22 41)*

22 41 26 00-0001 Disposals *(22 41 26)*

22 41 26 00-0002	EA	1/3 HP Insulated Garbage Disposal	269.05	69.29
22 41 26 00-0003	EA	1/2 HP Insulated Garbage Disposal	306.87	69.29
22 41 26 00-0004	EA	3/4 HP Insulated Garbage Disposal	401.42	69.29
22 41 26 00-0005	EA	1 HP Insulated Garbage Disposal	495.96	69.29

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001 Residential Kitchen Faucets *(22 41 39)*

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	210.59	56.58
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	243.04	56.58
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	243.04	56.58
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	234.08	56.58
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	251.51	56.58

22 41 39 00-0007 Residential Lavatory Faucets *(22 41 39)*

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	192.08	40.74
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	192.08	40.74
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	138.71	40.74
		For Faucet With Plastic Pop-Up, Add	*14.00*	
		For Faucet With Brass Pop-Up, Add	*16.50*	

22 41 39 00-0011 Residential Bath And Shower Faucets *(22 41 39)*

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	249.96	49.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	294.35	49.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	230.62	49.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	254.52	49.12
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	283.38	30.73
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	235.84	30.73
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	264.68	30.73
22 41 39 00-0019		Residential Laundry Faucets *(22 41 39)*		
22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	165.58	36.13
22 41 39 00-0021		Residential Laundry/Wash Basin Faucets *(22 41 39)*		
22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	166.92	36.13
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	238.23	39.82
22 41 39 00-0024		Other Residential Faucets *(22 41 39)*		
22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	45.54	9.22

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	638.58	117.69
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™)	769.50	117.69
22 42 13 13-0005	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	957.57	117.69
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®)	807.35	117.69
22 42 13 13-0007	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet®)	902.95	117.69
22 42 13 13-0008	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	914.71	117.69
22 42 13 13-0009	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	615.48	117.69
22 42 13 13-0010	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	692.51	117.69

22 42 13 13-0011 Wall Hung Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0012	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	724.08	144.86
22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	927.01	144.86
22 42 13 13-0014	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,170.46	144.86
22 42 13 13-0015	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	734.44	144.86
22 42 13 13-0016	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,476.73	144.86
22 42 13 13-0017	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	815.35	144.86
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	784.73	144.86
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	903.54	144.86

22 42 13 13-0020 Floor Mounted Elongated Handicapped Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0021	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	620.00	117.69
22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	683.05	117.69
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	854.41	117.69
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	828.82	117.69

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	853.08	117.69
22 42 13 13-0026	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,058.60	117.69
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	829.05	117.69
22 42 13 13-0028	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	731.67	117.69
22 42 13 13-0029	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	796.11	117.69
22 42 13 13-0030	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	888.89	117.69
22 42 13 13-0031	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	751.49	117.69
22 42 13 13-0032	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	736.07	117.69
22 42 13 13-0033	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5667-BWL)	802.98	117.69

22 42 13 13-0034 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0035	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	667.18	117.69
22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	657.05	117.69
22 42 13 13-0037	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	727.90	117.69

22 42 13 13-0038 Floor Mounted Round Bowl Vitreous China Water Closets *(22 42 13 13-0001)*

22 42 13 13-0039	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	752.80	117.69
22 42 13 13-0040	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	728.92	117.69

22 42 13 13-0041 Stainless Steel Water Closets *(22 42 13 13)*

22 42 13 13-0042	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	2,605.92	254.63
22 42 13 13-0043	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	2,357.85	254.63

22 42 13 13-0044 Water Closet Carriers *(22 42 13 13)*

22 42 13 13-0045 Pipe Grip Adaptor Type, Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.

22 42 13 13-0046	EA	Pipe Grip Adaptor Type, Water Closet Carrier	743.46	59.75

22 42 13 13-0047 No-Hub, Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0048	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	1,182.13	59.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*291.71*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0049	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	1,182.13	59.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*291.71*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0050	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	1,296.21	59.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*291.71*	
		For Horizontal No Hub Cast Long Barrel, Add	*305.73*	
		For Carrier For Wide Chase Installations, Add	*393.37*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0051	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	1,442.43	59.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*233.43*	
		For Auxiliary Inlet, Add	*291.71*	
		For Carrier For Wide Chase Installations, Add	*393.37*	
		For Double 4" Branches, Add	*468.44*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0052	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,978.81	87.70
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*142.28*	
		For Supply Pipe Support, Add	*145.51*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*308.69*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0053	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,036.67	87.70
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*142.28*	
		For Supply Pipe Support, Add	*145.51*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*308.69*	
		For Special Duty 500 Lb. Carrier, Add	*1,021.93*	
22 42 13 13-0054	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	2,497.82	87.70
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*142.28*	
		For Supply Pipe Support, Add	*145.51*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*241.91*	
		For Auxiliary Inlet, Add	*308.69*	
		For Double 4" Branches, Add	*485.42*	
		For Carrier For Wide Chase Installations, Add	*837.66*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	
22 42 13 13-0055	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	2,346.78	87.70
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*142.28*	
		For Supply Pipe Support, Add	*145.51*	
		For Vandal Proof Trim, Add	*183.20*	
		For Horizontal No Hub Cast Long Barrel, Add	*314.21*	
		For Carrier For Wide Chase Installations, Add	*837.66*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

22 42 13 13-0056 Hub And Spigot, Water Closet Carriers *(22 42 13 13-0044)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0057	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	1,081.62	59.75
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
		For Auxiliary Inlet, Add	*291.71*	
22 42 13 13-0058	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	1,182.13	59.75
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Inlet, Add	*291.71*	
		For Special Duty 500 Lb. Carrier, Add	*510.97*	
22 42 13 13-0059	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	1,497.06	59.75
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-107.63*	
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For 4" Branch, Add	*233.43*	
		For Auxiliary Inlet, Add	*291.71*	
		For Carrier For Wide Chase Installations, Add	*393.37*	
		For Double 4" Branches, Add	*468.44*	
		For Special Duty 1,000 Lb. Carrier, Add	*510.98*	
22 42 13 13-0060	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,806.83	87.70
		For Positioning Frame, Add	*142.28*	
		For Supply Pipe Support, Add	*145.51*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*308.69*	
		For Hanger Type Closet Adapter, Add	*459.55*	
22 42 13 13-0061	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	2,552.46	87.70
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*142.28*	
		For Supply Pipe Support, Add	*145.51*	
		For Vandal Proof Trim, Add	*183.20*	
		For 4" Branch, Add	*241.91*	
		For Auxiliary Inlet, Add	*308.69*	
		For Double 4" Branches, Add	*485.42*	
		For Carrier For Wide Chase Installations, Add	*837.66*	
		For Special Duty 1,000 Lb. Carrier, Add	*1,021.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0062		Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0063	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	900.93	59.75
		For Positioning Frame, Add	*66.90*	
		For Supply Pipe Support, Add	*68.51*	
		For Vandal Proof Trim, Add	*91.60*	
		For Hanger Type Closet Adapter, Add	*229.78*	
22 42 13 13-0064		Institutional Water Closet Carriers *(22 42 13 13-0044)*		
		Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0065	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	3,298.04	87.70
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-215.28*	
		For Positioning Frame, Add	*142.28*	
		For Supply Pipe Support, Add	*145.51*	
		For Vandal Proof Trim, Add	*183.20*	
		For Auxiliary Inlet, Add	*308.69*	
22 42 13 13-0066		Removal And Reinstallation Of Fixtures And Trim *(22 42 13 13)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0067	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	519.62	
22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	519.62	
22 42 13 13-0069	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	400.16	
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	400.16	
22 42 13 16		**Commercial Urinals** *(22 42 13)*		
22 42 13 16-0001		Vitreous China Urinals *(22 42 13 16)*		
		Note: Excludes flush valve unless indicated otherwise.		
22 42 13 16-0002		Wall Hung Urinals *(22 42 13 16-0001)*		
22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	627.67	121.10
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	742.51	121.10
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	706.40	121.10
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	777.05	121.10
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	739.05	121.10
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	603.39	121.10
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	789.29	121.10
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	713.39	121.10
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	702.36	121.10
22 42 13 16-0012	EA	Wall Hung, Washout, 0.125 To 0.5 GPF, HEU, Vitreous China Urinal (Sloan SU-1009-A)	643.41	121.10
22 42 13 16-0013	EA	Wall Hung, Washout, 1.0 GPF, HEU, Vitreous China Urinal (Sloan SU-1006-A)	685.19	121.10
22 42 13 16-0014		Floor Mounted Urinals *(22 42 13 16-0001)*		
22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	1,072.21	152.77
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,172.57	152.77
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	317.18	28.30
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	359.62	28.30
22 42 13 16-0019		Waterfree Urinals *(22 42 13 16-0001)*		
22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	653.37	84.88
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-42.23*	
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	789.72	84.88
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-57.78*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	750.70	84.88
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-53.33*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	615.56	84.88
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-37.92*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	615.56	84.88
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-37.92*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	810.91	84.88
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-60.19*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	979.81	84.88
		For >1, Deduct	*-79.45*	
22 42 13 16-0027		Stainless Steel Urinals *(22 42 13 16)*		
22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	2,650.81	254.63
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	5,384.29	311.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0030		**Urinal Carriers** *(22 42 13 16)*		
22 42 13 16-0031		**Floor Mounted, Urinal Carriers** *(22 42 13 16-0030)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	603.95	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	717.77	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0034		**Wall Mounted, Urinal Carriers** *(22 42 13 16-0030)*		
		Note: Includes wall plate and adjustable supporting rods.		
22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	275.89	43.01
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
22 42 13 16-0036		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 13 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	515.55	
22 42 16		**Commercial Lavatories and Sinks** *(22 42)*		
22 42 16 13		**Commercial Lavatories** *(22 42 16)*		
22 42 16 13-0001		**Lavatories** *(22 42 16 13)*		
		Note: Includes trap, drain and supply valves. Excludes faucets.		
22 42 16 13-0002		**Wall Hung Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	579.74	75.82
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	606.55	75.82
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	756.69	75.82
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	530.87	75.82
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	455.97	75.82
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	579.30	75.82
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	684.60	75.82
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	543.48	75.82
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	478.05	75.82
22 42 16 13-0012		**Countertop Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	551.79	91.66
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	564.06	91.66
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	598.22	91.66
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	634.63	91.66
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	836.15	99.02
22 42 16 13-0018		**Undermount Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0019	EA	15" x 12" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	507.96	91.66
22 42 16 13-0020	EA	17" x 14" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	482.31	91.66
22 42 16 13-0021	EA	19" x 16" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	482.31	91.66
22 42 16 13-0022	EA	21" x 17" Vitreous China Undermount Lavatory (American Standard Ovalyn™)	513.56	91.66
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	497.69	91.66
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	492.96	91.66
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undermount Lavatory (Kohler® Caxton®)	497.78	91.66
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	603.98	91.66
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undermount Lavatory (Kohler® Ladena®)	603.98	91.66
22 42 16 13-0028		**Pedestal Lavatories** *(22 42 16 13-0001)*		
22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	672.11	217.85
22 42 16 13-0030		**Cultured Marble Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	364.59	84.88
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	413.81	90.53
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	501.46	96.19
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	691.40	101.85
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	392.52	84.88
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	421.67	90.53
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	547.92	96.19
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	598.31	99.02
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	671.75	101.85
22 42 16 13-0040		**Quartz Vanity Tops** *(22 42 16 13-0001)*		
		Note: Includes predrilled holes for faucet.		
22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	802.42	84.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	838.24	90.53
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	966.18	96.19
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	973.51	99.02
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,063.88	101.85
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,429.78	107.51
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,690.72	113.15
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	46.89	

22 42 16 13-0049 Solid Surface Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	670.35	84.88
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	755.03	90.53
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	851.05	96.19
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	938.56	99.02
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,018.58	101.85
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,124.00	104.68
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,253.29	107.51
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,285.36	107.51
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,388.88	113.15
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	69.40	

22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems *(22 42 16 13-0001)*

Note: ADA compliant. Includes integral faucets.

22 42 16 13-0061	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	6,997.11	158.30
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0062	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	10,276.17	158.30
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0063	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	467.31	52.77
22 42 16 13-0064	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	581.69	52.77
22 42 16 13-0065	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	1,164.26	52.77

22 42 16 13-0066 Stainless Steel Lavatories *(22 42 16 13-0001)*

22 42 16 13-0067	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,499.27	198.05

22 42 16 13-0068 Lavatory Carriers *(22 42 16 13)*

22 42 16 13-0069 Floor Mounted, Lavatory Carriers *(22 42 16 13-0068)*

22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0069)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	603.95	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*115.96*	
		For Corner Carrier, Add	*225.51*	
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	717.77	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Valve Plate For Attaching To Upright, Add	*115.96*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	825.43	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*231.92*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	949.16	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*67.48*	
		For Valve Plate For Attaching To Upright, Add	*231.92*	

22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms *(22 42 16 13-0069)*

Note: Includes leveling and securing screws, structural uprights and welded feet.

22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	778.36	50.92
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*46.60*	
		For Valve Plate For Attaching To Upright, Add	*118.22*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	1,143.72	50.92
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*118.22*	
		For Heavy-Duty Carrier, Add	*117.29*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	1,042.88	50.92
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*93.21*	
		For Valve Plate For Attaching To Upright, Add	*236.44*	
		For 2" Chrome Plated Escutcheons, Add	*228.16*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*414.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	1,707.72	50.92
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*67.48*	
		For Vandal Proof Trim, Add	*183.20*	
		For Valve Plate For Attaching To Upright, Add	*236.44*	
		For Heavy-Duty Carrier, Add	*234.59*	

22 42 16 13-0080 Wall Mounted, Lavatory Carriers *(22 42 16 13-0068)*

22 42 16 13-0081 Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0080)*

Note: Includes wall plate and adjustable supporting rods.

22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	275.89	43.01
		For Double Plate Carrier, Add	*87.17*	

22 42 16 13-0083 Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0080)*

Note: Includes wall plate and leveling and securing screws.

22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	473.67	50.92
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	563.66	50.92
		For Movable Mounting Brackets, Deduct	*-86.76*	
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For 2" Chrome Plated Escutcheons, Add	*114.08*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*207.28*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	841.64	50.92
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*33.74*	
		For Vandal Proof Trim, Add	*91.60*	

22 42 16 13-0087 Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	332.85	

22 42 16 16 Commercial Sinks *(22 42 16)*

22 42 16 16-0001 Sinks *(22 42 16 16)*

Note: Includes drain, trap and supply valves. Excludes faucets.

22 42 16 16-0002 Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	718.55	106.37
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	929.73	121.10
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	915.83	104.12
		For 18 Gauge, Add	*245.73*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	939.66	104.12
		For 18 Gauge, Add	*257.64*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	993.25	104.12
		For 18 Gauge, Add	*284.44*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	1,042.57	106.37
		For 18 Gauge, Add	*302.31*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,320.01	121.10
		For 18 Gauge, Add	*419.43*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,348.78	121.10
		For 18 Gauge, Add	*433.61*	
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	1,301.94	104.12
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,328.74	104.12
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,396.24	104.12
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,488.23	106.37
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,805.38	121.10
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,728.93	121.10

22 42 16 16-0017 Undermount Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	1,158.93	104.12
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	1,156.04	104.12
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	1,168.86	104.12
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	1,236.35	104.12
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99)	1,193.67	104.12
		Note: Available in 4-1/2", 5, or 5-1/2" depths.		
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,366.66	104.12
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,625.30	104.12
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	943.86	104.12
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	1,234.26	104.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0027		**Multi-Station Wash Sink, Wall Mounted** *(22 42 16 16-0001)*		
		Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.		
22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	1,925.55	183.90
		Note: Excludes faucets.		
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,542.12	198.05
		Note: Excludes faucets.		
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™)	2,912.57	212.19
		Note: Excludes faucets.		
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,416.45	141.47
		Note: Excludes faucets.		
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,685.46	155.60
		Note: Excludes faucets.		
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	2,949.16	169.75
		Note: Excludes faucets.		
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951)	3,275.81	190.97
		Note: Excludes faucets.		
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain	3,177.80	311.22
		Note: Includes sensor operated spray heads.		
22 42 16 16-0036		**Utility Or Laundry Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	664.79	121.10
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	760.59	121.10
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	662.86	121.10
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	1,001.42	121.10
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,413.10	135.81
22 42 16 16-0042		**Refinish Sink/Lavatory** *(22 42 16 16-0001)*		
22 42 16 16-0043	EA	Refinish Sink/Lavatory	260.59	
22 42 16 16-0044		**Service Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	1,098.85	182.20
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	1,151.10	182.20
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,368.09	241.05
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	563.02	169.75
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	646.44	169.75
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	719.04	203.70
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	643.31	169.75
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	732.24	203.70
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	1,020.52	169.75
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	1,259.95	203.70
22 42 16 16-0055		**Stainless Steel Sink And Drainboard** *(22 42 16 16-0001)*		
22 42 16 16-0056	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drain Board, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	4,426.70	282.92
22 42 16 16-0057		**Soapstone Sinks** *(22 42 16 16-0001)*		
22 42 16 16-0058	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,097.75	104.12
22 42 16 16-0059	SF	Soapstone Sink Backsplash	172.83	
22 42 16 16-0060	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,393.42	121.10
22 42 16 16-0061	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,623.27	121.10
22 42 16 16-0062		**Sink Carriers** *(22 42 16 16)*		
22 42 16 16-0063		**Floor Mounted, Sink Carriers** *(22 42 16 16-0062)*		
		Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
22 42 16 16-0064	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	885.82	43.01
		For Vandal Proof Trim, Add	*91.60*	
		For Valve Plate For Attaching To Upright, Add	*115.96*	
22 42 16 16-0065	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	1,521.18	43.01
		For Vandal Proof Trim, Add	*91.60*	
		For Auxiliary Vent, Add	*268.63*	
22 42 16 16-0066	EA	Floor Mounted Heavy-Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,913.27	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*69.09*	
		For Vandal Proof Trim, Add	*91.60*	
22 42 16 16-0067		**Removal And Reinstallation Of Sink And Trim** *(22 42 16 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	456.33	

22 42 19 Commercial Bathtubs *(22 42)*

22 42 19 00-0001 Recessed Alcove Bathtubs *(22 42 19)*

22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	2,349.63	314.61
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,686.11	314.61
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,718.01	314.61
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,674.85	314.61

22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	757.15	314.61
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	918.60	314.61

22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	1,328.87	314.61

22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	1,351.45	314.61
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,628.65	314.61
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,655.05	314.61
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,635.07	314.61
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,668.25	314.61

22 42 19 00-0018 Bathtub Refinishing *(22 42 19)*

22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	664.01	

22 42 19 00-0020 Tub And Shower Combinations *(22 42 19)*

22 42 19 00-0021 Acrylic Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta B23207-6032-WH)	895.05	113.97
		For 2 Piece Enclosure, Deduct	*-201.88*	

22 42 19 00-0023 Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	1,091.33	113.97
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	1,075.14	113.97
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,579.06	172.02
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	2,457.30	350.93
		For 2 Piece Enclosure, Deduct	*-518.05*	

22 42 23 Commercial Showers *(22 42)*

22 42 23 00-0001 Shower Enclosures *(22 42 23)*

Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.

22 42 23 00-0002 Powder Coated Or Baked Enamel Steel Shower Enclosure *(22 42 23 00-0001)*

22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,793.18	182.53
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,793.18	182.53
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	2,707.18	182.53
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	2,978.52	182.53

22 42 23 00-0007 Solid Plastic Core High-Density Polymer (HDP) Shower Enclosure *(22 42 23 00-0001)*

22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,949.96	182.53
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,949.96	182.53
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	4,235.27	182.53
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	4,735.11	182.53

22 42 23 00-0012 Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down *(22 42 23 00-0001)*

22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,502.00	182.53
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,544.18	182.53
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,586.37	182.53
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,670.74	182.53
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,782.54	182.53

22 42 23 00-0018 1 Piece Shower Units *(22 42 23)*

22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	1,279.43	113.97
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	1,434.33	113.97

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0021		Personnel Type Shower Receptors *(22 42 23)*		
22 42 23 00-0022		Acrylic Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	470.27	46.09
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	496.68	46.09
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	549.41	46.09
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	668.05	55.31
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	471.51	46.09
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	506.24	46.09
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	570.85	46.09
22 42 23 00-0030	EA	60" x 30" Acrylic Shower Receptor	936.02	128.45
22 42 23 00-0031	EA	60" x 32" Acrylic Shower Receptor	635.18	55.31
22 42 23 00-0032	EA	60" x 36" Acrylic Shower Receptor	639.65	55.31
22 42 23 00-0033	EA	60" x 42" Acrylic Shower Receptor	643.75	55.31
22 42 23 00-0034	EA	60" x 48" Acrylic Shower Receptor	707.95	55.31
22 42 23 00-0035	EA	36" x 36" Acrylic Corner Shower Receptor	681.94	46.09
22 42 23 00-0036	EA	42" x 42" Acrylic Corner Shower Receptor	781.61	46.09
22 42 23 00-0037	EA	47-1/2" x 47-1/2" Acrylic Corner Shower Receptor	1,276.42	122.03
22 42 23 00-0038		Molded Stone Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0039	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	316.71	46.09
22 42 23 00-0040	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	331.61	46.09
22 42 23 00-0041	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	333.27	46.09
22 42 23 00-0042	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	406.94	46.09
22 42 23 00-0043	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	362.24	46.09
22 42 23 00-0044	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	382.94	46.09
22 42 23 00-0045	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	385.42	46.09
22 42 23 00-0046	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	446.77	55.31
22 42 23 00-0047	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	462.50	55.31
22 42 23 00-0048	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	366.38	46.09
22 42 23 00-0049	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	375.49	46.09
22 42 23 00-0050		Precast Terrazzo Shower Receptors *(22 42 23 00-0021)*		
22 42 23 00-0051	EA	30" x 30" Precast Terrazzo Shower Receptor	586.58	46.09
22 42 23 00-0052	EA	32" x 32" Precast Terrazzo Shower Receptor	608.93	46.09
22 42 23 00-0053	EA	34" x 34" Precast Terrazzo Shower Receptor	629.63	46.09
22 42 23 00-0054	EA	36" x 36" Precast Terrazzo Shower Receptor	632.11	46.09
22 42 23 00-0055	EA	40" x 40" Precast Terrazzo Shower Receptor	690.89	46.09
22 42 23 00-0056	EA	42" x 42" Precast Terrazzo Shower Receptor	720.69	46.09
22 42 23 00-0057	EA	48" x 48" Precast Terrazzo Shower Receptor	1,008.77	46.09
22 42 23 00-0058	EA	36" x 32" Precast Terrazzo Shower Receptor	624.66	46.09
22 42 23 00-0059	EA	42" x 32" Precast Terrazzo Shower Receptor	636.53	46.09
22 42 23 00-0060	EA	42" x 34" Precast Terrazzo Shower Receptor	657.77	46.09
22 42 23 00-0061	EA	42" x 36" Precast Terrazzo Shower Receptor	684.26	46.09
22 42 23 00-0062	EA	32" x 48" Precast Terrazzo Shower Receptor	686.75	46.09
22 42 23 00-0063	EA	48" x 34" Precast Terrazzo Shower Receptor	720.69	46.09
22 42 23 00-0064	EA	54" x 32" Precast Terrazzo Shower Receptor	754.63	46.09
22 42 23 00-0065	EA	60" x 30" Precast Terrazzo Shower Receptor	1,018.49	55.31
22 42 23 00-0066	EA	60" x 32" Precast Terrazzo Shower Receptor	1,112.42	55.31
22 42 23 00-0067	EA	60" x 34" Precast Terrazzo Shower Receptor	1,117.03	55.31
22 42 23 00-0068	EA	60" x 36" Precast Terrazzo Shower Receptor	1,121.61	55.31
22 42 23 00-0069	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	635.42	46.09
22 42 23 00-0070	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	636.53	46.09
22 42 23 00-0071	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	638.73	46.09
22 42 23 00-0072	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	763.73	46.09
22 42 23 00-0073	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,380.46	46.09
22 42 23 00-0074	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,537.84	55.31
22 42 23 00-0075	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,602.41	55.31
22 42 23 00-0076		Shower Receptors Accessories *(22 42 23 00-0021)*		
22 42 23 00-0077	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	4.03	
22 42 23 00-0078		Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 23 00-0079	EA	Removal And Reinstallation Of Shower Head	55.31	

22 42 26 Commercial Disposers *(22 42)*

See CSI section 22 41 26 00-0001 for disposals.

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	9,707.97	184.69
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,927.20	184.69
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,486.74	184.69
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	12,377.08	211.06
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,684.16	211.06
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	10,164.46	211.06
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0008		Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*		
		Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	8,470.61	158.30
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,494.20	158.30
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,442.30	158.30
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	10,395.44	184.69
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,420.33	184.69
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,662.13	184.69
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 39		**Commercial Faucets, Supplies, and Trim** *(22 42)*		
22 42 39 00-0001		Kitchen Faucets *(22 42 39)*		
22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	227.16	56.58
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	256.90	56.58
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	217.44	56.58
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	245.24	56.58
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	211.44	56.58
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	232.40	56.58
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	303.01	56.58
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	214.40	56.58
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	206.47	56.58
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	245.24	56.58
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	424.85	56.58
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	466.49	56.58
22 42 39 00-0014	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	438.85	61.45
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	436.82	61.45
22 42 39 00-0016	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	324.78	61.45
22 42 39 00-0017	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	757.17	56.58
22 42 39 00-0018	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	959.24	56.58
22 42 39 00-0019	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	1,026.60	56.58
22 42 39 00-0020	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	757.17	56.58
22 42 39 00-0021	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	959.24	56.58
22 42 39 00-0022	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	1,026.60	56.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0023		**Lavatory Faucets** *(22 42 39)*		
22 42 39 00-0024	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	278.11	40.74
22 42 39 00-0025	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	192.08	40.74
22 42 39 00-0026	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	239.14	40.74
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	262.61	40.74
22 42 39 00-0028	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	323.22	40.74
22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	377.05	40.74
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	229.02	40.74
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	350.19	40.74
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	251.53	40.74
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	257.43	40.74
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	311.49	40.74
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	305.10	40.74
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	248.71	40.74
22 42 39 00-0037		**Bath And Shower Faucets** *(22 42 39)*		
22 42 39 00-0038		**Bath And Shower Faucets With Valve Body** *(22 42 39 00-0037)*		
22 42 39 00-0039	EA	Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	256.79	49.12
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	301.18	49.12
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	329.63	49.12
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	237.45	49.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	248.83	49.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	281.83	49.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	319.39	49.12
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0046		**Shower Valves And Trim** *(22 42 39)*		
		See CSI section 22 41 39 00-0011 for residential shower valves and heads.		
22 42 39 00-0047	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	414.50	76.39
22 42 39 00-0048	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	935.40	76.39
22 42 39 00-0049	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	648.45	76.39
22 42 39 00-0050	EA	Senior Institutional Shower Head (Symmons® 4-150)	249.68	49.12
22 42 39 00-0051	EA	Universal Institutional Shower Head (Symmons® 4-151)	419.14	49.12
22 42 39 00-0052	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	294.29	49.12
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	221.23	49.12
22 42 39 00-0054	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	936.78	73.56
22 42 39 00-0055	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	767.04	84.88
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	1,014.35	84.88
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	1,430.02	90.53
22 42 39 00-0058	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	1,299.16	76.39
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,546.12	76.39
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	1,050.20	76.39
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,589.54	76.39
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,705.80	76.39
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	3,153.85	76.39
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	2,753.98	76.39
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	1,378.35	76.39
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	2,120.18	76.39
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	1,376.49	76.39
22 42 39 00-0068	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	1,372.39	76.39
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	1,013.35	67.90
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	783.79	49.12
22 42 39 00-0071		**Service Sink Faucets** *(22 42 39)*		
22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	553.92	94.21
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	395.27	94.21
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	425.99	94.21
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	441.93	94.21
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	577.04	132.07
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	646.30	150.52
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	746.45	150.52
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	438.57	94.21
22 42 39 00-0080	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	897.59	150.52
22 42 39 00-0081		**Laboratory Faucets And Fittings** *(22 42 39)*		
22 42 39 00-0082	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	224.78	40.07
22 42 39 00-0083	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	368.17	56.58
22 42 39 00-0084	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	477.69	56.58
22 42 39 00-0085	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	293.20	52.85
22 42 39 00-0086	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	398.32	75.37
22 42 39 00-0087	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	541.11	75.37
22 42 39 00-0088	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	432.99	56.58
22 42 39 00-0089	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	424.27	75.37
22 42 39 00-0090	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	278.08	43.51
22 42 39 00-0091	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	391.75	61.45
22 42 39 00-0092	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	301.26	61.45
22 42 39 00-0093	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP)	368.42	61.45
22 42 39 00-0094	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	95.28	37.80
22 42 39 00-0095	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	599.96	67.90
22 42 39 00-0096	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	772.47	67.90
22 42 39 00-0097	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	929.64	67.90
22 42 39 00-0098	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	821.71	67.90
22 42 39 00-0099	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	979.09	67.90
22 42 39 00-0100	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	164.87	37.35
22 42 39 00-0101	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	231.41	44.82
22 42 39 00-0102	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	231.41	44.82
22 42 39 00-0103	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	297.96	52.28
22 42 39 00-0104	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	364.50	59.75
22 42 39 00-0105		**Gooseneck Faucets With Independent Eyewash** *(22 42 39)*		
22 42 39 00-0106	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	936.21	42.44
22 42 39 00-0107	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	1,015.46	39.61
22 42 39 00-0108	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,311.62	42.44
22 42 39 00-0109	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,385.52	42.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0110	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,685.06	28.30
22 42 39 00-0111	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	2,027.93	70.73
22 42 39 00-0112	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,834.11	70.73
22 42 39 00-0113	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,928.16	70.73
22 42 39 00-0114	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	365.16	43.02
22 42 39 00-0115	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	403.63	43.02
22 42 39 00-0116	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	437.24	43.02
22 42 39 00-0117	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,993.28	28.30
22 42 39 00-0118		**Bubblers And Glass Fillers** *(22 42 39)*		
22 42 39 00-0119	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	397.77	40.07
22 42 39 00-0120	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	353.79	52.85
22 42 39 00-0121	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	392.32	40.07
22 42 39 00-0122	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	241.06	57.39
22 42 39 00-0123	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	465.75	43.51
22 42 39 00-0124	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	472.01	43.51
22 42 39 00-0125	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	392.91	43.51
22 42 39 00-0126		**Automatic Electronic Sensor Faucets** *(22 42 39)*		
22 42 39 00-0127	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	726.45	94.38
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0128	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	733.28	94.38
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0129	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	984.00	102.50
22 42 39 00-0130	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	1,026.04	94.38
22 42 39 00-0131	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,524.75	102.50
22 42 39 00-0132	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,909.54	102.50
22 42 39 00-0133	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,783.36	102.50
22 42 39 00-0134	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	1,244.15	94.38
22 42 39 00-0135	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	1,074.52	94.38
22 42 39 00-0136	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	1,135.37	94.38
22 42 39 00-0137	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	983.24	94.38
22 42 39 00-0138	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	1,135.37	94.38
22 42 39 00-0139	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	991.71	94.38
22 42 39 00-0140	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	991.71	94.38
22 42 39 00-0141	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	1,116.82	94.38
22 42 39 00-0142	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	946.90	94.38
22 42 39 00-0143	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	908.51	94.38
22 42 39 00-0144	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	1,490.11	94.38
22 42 39 00-0145		**Singles** *(22 42 39)*		
22 42 39 00-0146	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	280.10	41.54
22 42 39 00-0147		**Other Trim** *(22 42 39)*		
22 42 39 00-0148	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	20.75	6.15
22 42 39 00-0149	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	141.54	18.44
22 42 39 00-0150	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	56.05	15.36
22 42 39 00-0151	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	126.44	15.36
22 42 39 00-0152	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	65.48	16.98
22 42 39 00-0153	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	68.28	16.98
22 42 39 00-0154	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	165.82	16.98
22 42 39 00-0155	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	202.03	16.98
22 42 39 00-0156	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	228.33	16.98
22 42 39 00-0157	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	41.32	11.88
22 42 39 00-0158	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	41.32	11.88
22 42 39 00-0159	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	57.32	11.88
22 42 39 00-0160	PR	Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line	39.11	13.05
22 42 39 00-0161	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	24.36	7.68
22 42 39 00-0162	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	25.08	7.68
22 42 39 00-0163		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 39)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0164	EA	Removal And Reinstallation Of Faucet	98.32	
22 42 43		**Flushometers** *(22 42)*		
22 42 43 00-0001		**Water Closet Flush Valves** *(22 42 43)*		
22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	266.96	38.59
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	258.86	38.59
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	254.76	38.59
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	405.79	38.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	503.60	38.59
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	863.35	38.59
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	764.17	38.59
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	805.43	38.59
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	732.98	38.59
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	349.24	38.59
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	713.27	38.59
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	294.64	38.59
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	466.98	38.59
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	351.09	33.95
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	431.77	33.95
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	725.32	38.59
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	794.62	38.59
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	1,035.77	38.59
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	1,035.77	38.59
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	735.59	38.59
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	709.51	38.59
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	390.43	33.95
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	113.70	5.11
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	783.74	38.59
22 42 43 00-0026	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	276.26	38.59
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	600.21	38.59

22 42 43 00-0028 Urinal Flush Valves *(22 42 43)*

22 42 43 00-0029	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	204.80	38.59
22 42 43 00-0030	EA	1-1/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	497.18	38.59
22 42 43 00-0031	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	342.71	38.59
22 42 43 00-0032	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	525.03	38.59
22 42 43 00-0033	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	698.39	38.59
22 42 43 00-0034	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	937.00	38.59
22 42 43 00-0035	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	1,050.71	38.59
22 42 43 00-0036	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	671.26	38.59
22 42 43 00-0037	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	829.27	38.59
22 42 43 00-0038	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	696.36	38.59
22 42 43 00-0039	EA	3/4" Diameter Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	257.27	38.59
22 42 43 00-0040	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	588.35	38.59
22 42 43 00-0041	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	735.59	38.59

22 42 43 00-0042 Removal And Reinstallation Of Fixtures And Trim *(22 42 43)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 43 00-0043	EA	Removal And Reinstallation Of Flush Valve	153.63	

22 42 43 00-0044 Plumbing Control Transformers *(22 42 43)*

22 42 43 00-0045	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	62.47	

22 42 46 Chemical Toilets *(22 42)*

Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.

22 42 46 00-0001 Standard Chemical Toilets *(22 42 46)*

22 42 46 00-0002 Small Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	4,699.13	1,131.68
		For Extra Urinal, Add	*153.04*	

22 42 46 00-0004 Medium Tank Chemical Toilets *(22 42 46 00-0001)*

22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	5,584.36	1,347.84
		For Extra Urinal, Add	*181.21*	

22 42 46 00-0006 Large Tank Chemical Toilets *(22 42 46 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	6,731.22	1,528.90
		For Extra Urinal, Add	*245.38*	

22 43 Healthcare Plumbing Fixtures *(22 40)*

22 43 13 Healthcare Water Closets *(22 43)*

22 43 13 00-0001 Healthcare Water Closets *(22 43 13)*

22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	834.04	117.69
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	677.28	117.69

22 43 16 Healthcare Sinks *(22 43)*

22 43 16 00-0001 Healthcare Sinks *(22 43 16)*

Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.

22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,198.75	75.82
		For Stainless Steel Rim Guards (Three Sides), Add	*106.51*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,303.15	217.85
		For Stainless Steel Rim Guards (Three Sides), Add	*106.51*	
		For Pedestal Base, Add	*488.36*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,151.86	75.82
		For Painted Bracket Supports, Add	*174.88*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	1,011.18	75.82

22 43 39 Healthcare Faucets *(22 43)*

22 43 39 00-0001 Medical Faucet Spouts *(22 43 39)*

22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	101.86	16.98

22 43 39 00-0003 Electronic Proximity Medical Faucets *(22 43 39)*

22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	574.94	83.06
		For Hard Wired AC Powered, Add	*24.26*	

22 43 39 00-0005 Foot And Knee Faucet Controls *(22 43 39)*

22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	450.13	150.97
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	528.66	150.97
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	1,133.95	150.97
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	676.10	150.97

22 43 39 00-0010 Centerset Medical Faucets *(22 43 39)*

22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	618.86	83.06
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	625.97	83.06
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	625.25	83.06
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	557.69	83.06
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	533.50	83.06

22 43 39 00-0016 Bedpan Washers *(22 43 39)*

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	1,472.21	150.97
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	1,397.74	150.97
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	1,375.68	150.97
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	1,354.23	150.97

22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	232.92	38.59
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	506.56	38.59

22 43 46 Healthcare Patient Care Units *(22 43)*

22 43 46 00-0001 Patient Care Units *(22 43 46)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	20,404.74	226.34
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,153.30*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	16,074.36	198.05
		For SDB Single Temperature Dialysis Box, Add	*1,493.89*	
		For DDB Dual Temperature Dialysis Box, Add	*1,586.67*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*1,153.30*	
		For LOCK Flush Valve Lockout Device, Add	*842.05*	

22 43 46 00-0004 Patient Care Plumbing Accessories *(22 43 46)*

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,946.02	30.73
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	2,144.12	30.73

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	756.16	198.05
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	867.91	198.05
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	929.99	198.05
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	1,116.23	198.05
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,501.14	198.05
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	1,185.23	226.34
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,297.69	254.63
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	1,179.74	254.63
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	1,204.57	254.63
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,670.18	254.63

22 45 13 00-0013 Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	655.14	198.05
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	674.49	198.05
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	1,055.69	226.34

22 45 13 00-0017 Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	957.07	198.05
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	981.60	198.05
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	2,182.97	198.05
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,540.72	254.63
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	2,095.78	254.63

22 45 16 Eyewash Equipment *(22 45)*

22 45 16 00-0001 Emergency Eyewash Equipment *(22 45 16)*

22 45 16 00-0002 Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*

22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	334.14	5.66
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,570.85	254.63

22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*

22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	997.13	56.58
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	997.13	56.58
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	1,015.72	56.58
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	1,015.72	56.58
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	1,356.95	56.58
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,549.19	56.58
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,549.19	56.58
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	2,889.92	56.58
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	2,889.92	56.58
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	3,025.18	56.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	3,025.18	56.58
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	3,736.97	56.58
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	3,736.97	56.58
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,798.67	198.05
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,772.44	198.05
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	1,255.32	198.05
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,800.66	198.05
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	1,060.62	198.05

22 45 23 Personal Eyewash Equipment *(22 45)*

22 45 23 00-0001 Portable Eyewash Equipment *(22 45 23)*

22 45 23 00-0002 Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*

22 45 23 00-0003	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921)	342.82	16.98
22 45 23 00-0004	EA	Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H)	1,806.92	16.98
22 45 23 00-0005	EA	5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671)	825.25	
22 45 23 00-0006	EA	5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672)	984.45	

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	823.03	141.47
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	824.45	198.05
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	805.83	198.05
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	879.08	198.05
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	886.53	198.05
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	974.69	198.05
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,327.31	198.05
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	2,506.85	198.05
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	1,011.40	226.34
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	1,154.19	226.34
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,594.47	226.34
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	690.53	56.58
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	665.69	56.58
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	696.73	56.58
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	876.77	56.58
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	2,130.29	282.92
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,582.06	226.34
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,651.77	282.92
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	3,115.96	226.34

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	735.76	198.05
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	900.91	226.34

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,597.54	198.05
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	2,142.88	198.05
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	2,073.55	198.05
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,908.12	198.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	1,051.25	56.58
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	1,051.25	56.58
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	1,018.98	56.58
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	1,018.98	56.58
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,573.44	56.58
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,573.44	56.58
22 45 26 00-0036		Emergency Eye/Face Wash Equipment (Guardian) *(22 45 26 00-0001)*		
		Note: Includes one pull rod.		
22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	5,741.51	198.05

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	737.45	70.73
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	849.20	70.73

22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*

22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	791.83	70.73
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	727.07	70.73
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	1,108.13	70.73
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	1,036.06	70.73
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	1,061.87	70.73
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	1,401.68	70.73
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,627.69	70.73
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,551.05	70.73

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,367.34	367.80
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,951.89	367.80
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,051.71	367.80
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,274.71	367.80
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,399.37	367.80
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,256.58	367.80
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,927.55	367.80
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,162.97	367.80
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,467.17	367.80
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,535.45	367.80
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,951.40	367.80
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,193.52	367.80
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	4,125.23	367.80
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	6,173.91	367.80
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,509.15	367.80
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	13,772.65	367.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,927.55	367.80
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,182.08	367.80
22 45 33 00-0021		Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*		
22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,781.35	367.80
22 45 33 00-0023		Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*		
22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	7,368.09	307.25
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	7,532.45	307.25
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	2,900.59	307.25
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	2,644.90	307.25
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	3,445.93	307.25
22 45 36		**Emergency Fixture Water-Tempering Equipment** *(22 45)*		
22 45 36 00-0001		Emergency Fixture Water-Tempering Equipment *(22 45 36)*		
22 45 36 00-0002		Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*		
22 45 36 00-0003	EA	10 GPM, 1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	780.91	70.73
22 45 36 00-0004	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,147.19	70.73
22 45 36 00-0005	EA	31 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,687.29	70.73
22 45 36 00-0006	EA	78 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,991.49	70.73
22 45 36 00-0007	EA	31 GPM, 1" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,823.38	70.73
22 45 36 00-0008	EA	12 GPM, 1/2" Diameter Inlet, 3/4" Diameter Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,978.58	70.73
22 45 36 00-0009	EA	74 GPM, 1-1/4" Diameter Inlet, 1-1/4" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	5,008.64	70.73
22 45 36 00-0010	EA	78 GPM, 2" Diameter Inlet, 2" Diameter Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	6,020.56	70.73
22 45 36 00-0011	EA	1/2" Diameter Inlet, 1/2" Diameter Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	874.03	70.73
22 45 39		**Emergency Plumbing Fixture Accessories** *(22 45)*		
22 45 39 00-0001		Emergency Plumbing Fixture Accessories *(22 45 39)*		
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	200.47	22.64
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	281.18	22.64
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	293.59	22.64
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	327.39	8.49
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	334.14	5.66
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	364.09	11.32
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	635.36	84.88
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	644.91	30.67
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	967.74	30.67
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	1,147.19	84.88
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	2,178.32	30.67
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	2,377.33	102.25
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	2,427.00	102.25
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	4,550.18	102.25
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	8,709.62	102.25
22 45 39 00-0018		Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*		
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	1,149.73	84.88
22 45 39 00-0020		Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*		
22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	209.92	18.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	2,452.58	282.92
		For Angled Toilet, Add	*28.29*	
		For Offset Toilet, Add	*216.97*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	2,938.58	282.92
		For Angled Toilet, Add	*28.29*	
		For Offset Toilet, Add	*265.57*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	2,981.16	282.92
		For Angled Toilet, Add	*28.29*	
		For Offset Toilet, Add	*269.82*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	287.82	56.58

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	2,862.91	254.63
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	4,824.48	361.80

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	4,369.41	350.82
		For Offset Toilet, Add	*401.86*	
		For AC Duplex Outlet Option, Add	*100.17*	
		For 15" Wide Light/Ventilation Module, Add	*845.50*	
		For Intercom Option, Add	*145.17*	
		For Angled Toilet, Add	*35.08*	
		For 15" Mirror/Shelf Module, Add	*900.83*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	4,504.66	367.80
		For Offset Toilet, Add	*413.69*	
		For AC Duplex Outlet Option, Add	*103.56*	
		For 18" Wide Light/Ventilation Module, Add	*870.68*	
		For Intercom Option, Add	*148.56*	
		For 18" Mirror/Shelf Module, Add	*942.80*	
		For Angled Toilet, Add	*36.78*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	4,609.10	384.77
		For Offset Toilet, Add	*422.43*	
		For AC Duplex Outlet Option, Add	*106.96*	
		For 20" Mirror/Shelf Module, Add	*994.78*	
		For 20" Wide Light/Ventilation Module, Add	*905.87*	
		For Intercom Option, Add	*151.96*	
		For Angled Toilet, Add	*38.48*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	4,927.88	401.75
		For Offset Toilet, Add	*452.61*	
		For AC Duplex Outlet Option, Add	*110.35*	
		For 26" Wide Light/Ventilation Module, Add	*936.05*	
		For Intercom Option, Add	*155.35*	
		For Angled Toilet, Add	*40.17*	
		For 26" Mirror/Shelf Module, Add	*1,036.75*	
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	7,835.26	418.73
		For Offset Toilet, Add	*741.65*	
		For AC Duplex Outlet Option, Add	*113.75*	
		For 28" Mirror/Shelf Module, Add	*1,073.73*	
		For Intercom Option, Add	*158.75*	
		For Angled Toilet, Add	*41.87*	
		For 28" Wide Light/Ventilation Module, Add	*966.24*	

22 46 16 Security Lavatories and Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	1,764.92	198.05
		For Shelf, Add	*94.41*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	1,793.11	198.05
		For Shelf, Add	*94.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,031.16	198.05
		For Shelf, Add	*94.41*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	1,793.11	198.05
		For Shelf, Add	*94.41*	

22 46 16 16 Security Sinks *(22 46 16)*

22 46 16 16-0001 Security Sinks *(22 46 16 16)*

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	3,738.70	301.59

22 46 16 16-0003 Security Mop Sink *(22 46 16 16)*

22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	4,228.50	169.75

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001 Security Showers *(22 46 19)*

22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	9,595.93	452.67
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	9,936.57	452.67
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	10,287.15	452.67
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	13,032.14	452.67
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	674.53	151.08
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	476.36	79.22

22 46 43 Security Plumbing Fixture Flushometers *(22 46)*

22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM) Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).	794.45	38.59
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM) Note: Solenoid operated with module plug 24V (ESM).	793.53	38.59
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM) Note: Solenoid operated with module plug 24V (ESM).	766.72	38.59

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*
Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	1,996.01	226.34
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,009.61	226.34

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	2,501.11	183.90
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	3,687.08	198.05
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	3,333.27	183.90
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	3,986.78	198.05
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,637.52	183.90
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,972.03	198.05
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,867.74	183.90
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	2,283.21	198.05

22 47 13 00-0011 Wall Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,680.25	198.05
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	2,644.57	198.05
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF)	3,349.85	254.63
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRNTL8WSK)	3,590.09	254.63
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WSLK)	3,088.37	254.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP)	2,811.87	254.63
22 47 13 00-0018	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WSK)	3,166.33	198.05
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WSK)	3,058.82	198.05
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCDWSK)	2,927.42	198.05
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCDWSK)	2,807.96	198.05
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WSK)	2,557.09	198.05
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WSK)	2,449.58	198.05
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WSSK)	2,330.12	198.05
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WSSK)	2,330.12	198.05
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WSSK)	2,222.61	198.05
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WSSK)	2,222.61	198.05
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMABF8WSSK)	2,174.83	198.05
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK)	2,174.83	198.05
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chillded Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSSK)	2,067.31	198.05
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSK)	2,007.59	198.05
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP)	1,923.96	198.05
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWSSK)	1,888.13	198.05
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,768.67	198.05
22 47 13 00-0035	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK)	2,007.59	198.05
22 47 13 00-0036	EA	Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK)	1,768.67	198.05
22 47 13 00-0037	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK)	1,873.96	198.05
22 47 13 00-0038	EA	Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP)	1,876.18	198.05
22 47 13 00-0039	EA	Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM)	1,547.99	141.47
22 47 13 00-0040	EA	Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF)	1,165.72	141.47
22 47 13 00-0041		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0042	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	2,291.24	212.19
22 47 13 00-0043	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	5,069.85	212.19
22 47 13 00-0044		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0045	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	2,451.15	226.34
22 47 13 00-0046	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	4,582.86	226.34
22 47 13 00-0047		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0048	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	987.60	141.47
22 47 13 00-0049	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	947.47	141.47
22 47 13 00-0050	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	1,167.39	141.47
22 47 13 00-0051		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0052	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	820.66	141.47
22 47 13 00-0053	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	1,007.08	141.47
22 47 13 00-0054		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0055	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	4,767.45	226.34
22 47 13 00-0056	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	6,032.29	226.34
22 47 13 00-0057	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	4,540.95	226.34
22 47 13 00-0058	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	3,807.54	226.34
22 47 13 00-0059	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	4,831.66	226.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0060	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	4,150.34	288.72
22 47 13 00-0061	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	5,587.23	226.34
22 47 13 00-0062	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	5,488.30	226.34
22 47 13 00-0063		Outdoor Drinking Fountains *(22 47 13)*		
22 47 13 00-0064		Face Mounted Outdoor Drinking Fountains *(22 47 13 00-0063)*		
22 47 13 00-0065	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	2,121.82	226.34
22 47 13 00-0066	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	2,339.79	226.34
22 47 13 00-0067	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	2,245.15	226.34
22 47 13 00-0068	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	3,360.78	226.34
22 47 13 00-0069		Free Standing Outdoor Drinking Fountains *(22 47 13 00-0063)*		
22 47 13 00-0070	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	4,167.05	212.19
22 47 13 00-0071	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	5,906.47	212.19
22 47 13 00-0072	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	4,161.27	212.19
22 47 13 00-0073	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	5,795.37	212.19
22 47 13 00-0074	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	6,248.82	226.34
22 47 13 00-0075	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	6,364.97	226.34
22 47 13 00-0076	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	2,285.67	212.19
22 47 13 00-0077	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	4,040.86	212.19
22 47 13 00-0078	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	5,780.28	212.19
22 47 13 00-0079	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	6,818.11	226.34
22 47 13 00-0080	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	9,625.85	226.34
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	4,790.46	226.34
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	5,124.58	226.34
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	2,202.13	226.34
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	2,288.17	226.34
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	2,557.75	226.34
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	2,661.00	226.34
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,932.54	226.34
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	2,262.35	226.34
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,747.55	226.34
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	2,704.49	226.34
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	2,956.17	339.50
22 47 16 00-0015		Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	2,655.01	226.34
22 47 16 00-0017		Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	5,280.07	254.63
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	6,486.99	254.63
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	7,621.87	254.63
22 47 16 00-0021		Free Standing Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	2,135.50	198.05
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	2,303.27	198.05
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	2,631.66	198.05
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	2,942.83	198.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0026		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	710.04	113.17
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	864.14	113.17
22 47 16 00-0029		Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	6,299.17	339.50
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semicircular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	7,265.26	339.50
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	3,224.33	339.50
22 47 16 00-0033		Outdoor Water Coolers *(22 47 16)*		
22 47 16 00-0034		Wall Mounted Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	2,345.61	141.47
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	4,103.05	141.47
22 47 16 00-0037		Free Standing Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	3,884.56	212.19
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	4,687.59	212.19
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)*		
		Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	550.00	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	122.90	
22 47 19		**Water-Station Water Coolers** *(22 47)*		
22 47 19 00-0001		Bottle Filler *(22 47 19)*		
22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	4,106.91	226.34
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	7,226.27	226.34
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	9,302.17	254.63
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	10,066.09	254.63
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	10,830.01	254.63
		For Stainless Steel Carrier, Add	*205.00*	
22 47 23		**Remote Water Coolers** *(22 47)*		
22 47 23 00-0001		Remote Chillers *(22 47 23)*		
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	1,354.45	76.39
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	2,079.81	84.88
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,769.69	99.02
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	2,286.97	113.17
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	3,587.49	169.75
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	3,889.63	183.90
22 47 26		**Fixture Carriers** *(22 47)*		
22 47 26 00-0001		Water Cooler Carriers *(22 47 26)*		
22 47 26 00-0002		Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)*		
		Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	603.95	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*373.61*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	717.77	43.01
		For Up To 4" Extension Sleeves And Hardware, Add	*33.74*	
		For Bi-Level Carrier, Add	*373.61*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13		**Swimming Pool Piping** *(22 51)*		
22 51 13 00-0001		Swimming Pool Gutters *(22 51 13)*		
22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	289.30	25.47
22 51 13 00-0003		Pool Drains *(22 51 13)*		
22 51 13 00-0004		Cast Iron Pool Drain With Bottom Outlet *(22 51 13 00-0003)*		
		Note: Large square top and 24" loose set round super-flo grate.		
22 51 13 00-0005	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	2,389.01	71.29
		For Polished Bronze Top, Add	*769.60*	
		For Chromium Plated Top, Add	*805.00*	
		For Vandal Proof Construction, Add	*57.20*	
		For Galvanized Top, Add	*276.40*	
22 51 13 00-0006		Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0003)*		
		Note: Bottom outlet 14" square top and loose set square flange.		
22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	720.16	71.29
		For Supplementary Strainer, Add	*7.00*	
		For Vandal Proof Construction, Add	*17.10*	
		For Chromium Plated Top, Add	*146.90*	
		For Polished Bronze Top, Add	*133.50*	
		For Clamp Device, Add	*13.80*	
		For Hinge Grate, Add	*28.60*	
		For Threaded Outlet, Add	*9.50*	
		For Ground Screw, Add	*18.30*	
		For Galvanized Top, Add	*38.10*	
22 51 13 00-0008		Pool Supply Fittings *(22 51 13)*		
22 51 13 00-0009		Cast Iron Pool Supply Fittings *(22 51 13 00-0008)*		
		Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA	Cast Iron Pool Fitting For 2" Diameter Pipe	911.54	127.32
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
		For Galvanized Head, Add	*26.30*	
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Diameter Pipe	911.54	127.32
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
		For Galvanized Head, Add	*26.30*	
		For Chromium Plated Head, Add	*11.50*	
22 51 16		**Swimming Pool Pumps** *(22 51)*		
22 51 16 00-0001		Variable Speed Pool Pumps *(22 51 16)*		
22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,861.18	480.97
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	3,130.71	480.97
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	3,492.47	480.97
22 51 16 00-0005		Electric Powered Portable Vacuum Cleaner Pump *(22 51 16)*		
		Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	382.82	56.58
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	655.66	56.58
22 51 16 00-0008		Gasoline Driven Portable Vacuum Cleaner Pump *(22 51 16)*		
22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,469.52	56.58
22 51 19		**Swimming Pool Water Treatment Equipment** *(22 51)*		
22 51 19 00-0001		Condensing Pool Water Heater *(22 51 19)*		
22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	41,582.53	811.15
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	45,298.23	973.37
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	49,674.86	1,054.49
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	61,029.66	1,135.60
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	63,302.54	1,216.72
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	95,969.39	1,460.06
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	122,991.29	1,541.17
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	127,949.07	1,662.85
22 51 19 00-0010		Non-Condensing Pool Water Heater *(22 51 19)*		
22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0502)	22,368.75	1,054.49
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0652)	23,839.27	1,135.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0752)	25,971.90	1,216.72
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN0992)	34,326.78	1,460.06
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1262)	39,782.98	1,541.17
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1442)	42,469.06	1,662.85
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN1802)	42,075.59	1,743.96
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non-Condensing Pool Water Heater (Lochinvar CPN2072)	54,551.80	1,784.52
22 51 19 00-0019		**Swimming Pool Heaters** *(22 51 19)* Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020		**Electric Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	4,375.19	226.34
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	4,888.73	243.31
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	5,432.69	282.92
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	5,754.74	339.50
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	6,340.86	475.31
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,280.82	679.01
22 51 19 00-0027		**Gas Fired Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0028	EA	120 MBH Output Gas Fired Pool Heater	6,227.93	1,074.09
22 51 19 00-0029	EA	180 MBH Output Gas Fired Pool Heater	7,073.56	1,227.53
22 51 19 00-0030	EA	240 MBH Output Gas Fired Pool Heater	7,993.24	1,380.96
22 51 19 00-0031	EA	300 MBH Output Gas Fired Pool Heater	9,190.88	1,687.85
22 51 19 00-0032	EA	360 MBH Output Gas Fired Pool Heater	9,461.44	1,780.82
22 51 19 00-0033	EA	400 MBH Output Gas Fired Pool Heater	11,093.52	2,182.74
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater	17,521.60	2,518.54
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater	20,329.02	2,770.39
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater	22,932.20	3,022.25
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater	29,427.24	3,567.93
22 51 19 00-0038		**Surge Tanks** *(22 51 19)* Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	20,441.04	877.39
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	22,931.40	877.39
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	27,672.11	1,121.53
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	36,606.44	1,810.04
22 51 19 00-0043		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	15,429.58	3,193.42
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	18,401.35	3,832.11
22 51 19 00-0046		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	2,049.00	384.07
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	3,003.70	512.13
22 51 19 00-0049		**Inline Water Filter** *(22 51 19)* Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	273.15	113.17
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	491.38	169.75
22 51 19 00-0052		**Swimming Pool Chlorinators** *(22 51 19)*		
22 51 19 00-0053	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,167.39	161.83
22 51 19 00-0054		**Ultra-Violet Pool Treatment Lights** *(22 51 19)*		
22 51 19 00-0055		**Stainless Steel Ultra-Violet Pool Treatment Lights** *(22 51 19 00-0054)* Note: Delta ELP Amalgam Series		
22 51 19 00-0056	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,166.37	352.86
22 51 19 00-0057	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,093.84	352.86
22 51 19 00-0058	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	17,888.82	352.86
22 51 19 00-0059	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,453.62	373.65
22 51 19 00-0060	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	18,847.58	373.65
22 51 19 00-0061	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	22,424.91	373.65
22 51 19 00-0062	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,452.45	671.02
22 51 19 00-0063	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,252.68	671.02
22 51 19 00-0064	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	43,098.25	671.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0065	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	46,210.37	805.01
22 51 19 00-0066	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	49,635.81	805.01
22 51 19 00-0067	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	52,027.18	805.01
22 51 19 00-0068	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	54,612.43	805.01
22 51 19 00-0069	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	58,655.86	915.03
22 51 19 00-0070	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	63,180.07	915.03
22 51 19 00-0071	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,704.25	915.03
22 51 19 00-0072	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	73,197.91	915.03
22 51 19 00-0073		HDPE Ultra-Violet Pool Treatment Lights *(22 51 19 00-0054)*		
		Note: Delta EL Series		
22 51 19 00-0074	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,039.03	352.86
22 51 19 00-0075	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	8,943.83	352.86
22 51 19 00-0076	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	9,880.01	373.65
22 51 19 00-0077		In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0054)*		
		Note: Delta EM Series		
22 51 19 00-0078	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,306.27	352.86
22 51 19 00-0079	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	31,629.40	352.86
22 51 19 00-0080	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	33,739.65	671.02
22 51 19 00-0081	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,749.23	671.02
22 51 19 00-0082	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	59,653.67	805.01
22 51 19 00-0083	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	67,316.47	915.03
22 51 19 00-0084	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	79,358.59	1,184.10
22 51 19 00-0085	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	89,053.26	1,184.10
22 51 23		**Swimming Pool Equipment Controls** *(22 51)*		
22 51 23 00-0001		Pool Pump Variable Frequency Drive *(22 51 23)*		
		Note: Pentair Acu Drive XS		
22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	4,700.50	196.30
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	5,042.87	220.85
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	6,035.29	276.06
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	6,403.60	329.43
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	6,841.27	383.42
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	7,752.27	438.02
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	4,706.53	196.30
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	4,956.45	220.85
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	5,327.84	276.06
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	5,716.25	329.43
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	6,742.79	383.42
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	7,484.97	438.02
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	6,095.31	196.30
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	7,010.47	220.85
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	7,779.79	276.06
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	8,375.21	329.43
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	9,862.00	383.42
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	11,116.68	438.02
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	6,551.53	196.30
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	6,805.87	220.85
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	7,170.82	276.06
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	7,561.24	329.43
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	8,625.98	383.42
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	9,430.45	438.02
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	4,469.06	196.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	4,544.83	196.30
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	4,591.63	196.30
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	4,717.75	196.30
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	4,908.26	196.30
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	5,056.04	196.30
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	5,408.46	220.85
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	6,443.03	276.06
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	6,877.85	329.43
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	7,329.67	383.42
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	8,326.89	438.02
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	10,949.29	545.99
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	12,087.51	601.20
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	14,320.25	656.41
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	16,660.58	766.84
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	18,258.28	822.05
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	4,563.48	196.30
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	4,661.33	196.30
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	4,784.45	196.30
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	4,890.29	196.30
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	4,998.14	196.30
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	5,111.95	196.30
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	5,370.51	220.85
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	5,746.10	276.06
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	6,144.57	329.43
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	7,474.66	383.42
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	8,234.62	438.02
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	9,049.37	545.99
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	10,242.54	601.20
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	11,573.18	656.41
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	14,198.75	766.84
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	15,608.02	822.05
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	17,521.18	877.26
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	20,806.14	929.41
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	24,033.27	981.54
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	26,053.04	1,098.10
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	30,448.71	1,202.39
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	6,489.03	196.30
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	6,564.80	196.30
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	6,611.60	196.30
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	6,737.72	196.30
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	6,928.23	196.30
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	7,076.01	196.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	7,428.43	220.85
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	8,234.33	276.06
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	8,902.70	329.43
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	10,429.97	383.42
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	11,785.10	438.02
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	13,859.76	545.99
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	15,258.62	601.20
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	19,541.19	656.41
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	25,809.23	766.84
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	28,373.98	822.05
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	6,460.37	196.30
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	6,558.20	196.30
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	6,681.34	196.30
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	6,787.18	196.30
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	6,895.01	196.30
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	7,008.84	196.30
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	7,267.40	220.85
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	7,640.93	276.06
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	8,039.41	329.43
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	9,410.64	383.42
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	10,234.27	438.02
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	11,184.56	545.99
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	12,611.53	601.20
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	14,958.69	656.41
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	17,207.56	766.84
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	19,171.33	822.05
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	22,296.10	877.26
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	29,503.01	929.41
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	32,658.41	981.54
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	41,089.20	1,098.10
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	48,318.91	1,202.39
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	448.75	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	716.09	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	792.46	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	1,346.24	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	2,568.36	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,604.40	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,677.38	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,830.36	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,963.00	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	2,297.01	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	2,365.56	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	2,511.48	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	2,639.97	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	3,155.89	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	3,168.18	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0115		Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*		
22 51 23 00-0116		Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*		
22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	4,001.05	163.60
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	4,004.96	163.60
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	4,066.73	184.04
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	4,201.81	230.05
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	4,532.12	274.53
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	5,036.97	319.52
		For Bypass Panel, Add	*1,038.93*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	5,942.07	365.01
		For Bypass Panel, Add	*1,038.93*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	6,148.29	457.03
		For Bypass Panel, Add	*1,038.93*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	7,375.62	502.53
		For Bypass Panel, Add	*1,038.93*	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	7,592.15	547.52
		For Bypass Panel, Add	*1,270.62*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	3,978.87	163.60
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	3,984.09	163.60
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	4,008.87	163.60
		For Bypass Panel, Add	*877.68*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	4,087.61	184.04
		For Bypass Panel, Add	*1,038.93*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	4,426.21	230.05
		For Bypass Panel, Add	*1,038.93*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	4,926.12	274.53
		For Bypass Panel, Add	*1,038.93*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	5,839.33	319.52
		For Bypass Panel, Add	*1,270.62*	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	5,955.11	365.01
		For Bypass Panel, Add	*1,270.62*	
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	7,266.36	457.03
		For Bypass Panel, Add	*1,742.37*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	7,485.21	502.53
		For Bypass Panel, Add	*2,420.26*	
22 51 23 00-0137		Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*		
22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	525.58	76.68
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	525.58	76.68
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	569.31	51.12
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	656.58	23.00
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	677.35	25.56
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	692.90	28.12
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	722.80	30.67
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	735.74	33.23
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	963.94	35.78
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	1,004.28	38.34
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	1,048.53	40.90
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	1,091.48	43.46
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	1,129.21	46.01
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,559.63	48.56
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	190.72	25.56
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	203.66	28.12
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	228.34	30.67
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	303.90	33.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	341.63	35.78
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	353.26	38.34
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	364.90	40.90
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	386.98	43.46
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	493.85	46.01
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	506.79	48.56
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	192.02	25.56
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	211.49	28.12
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	232.26	30.67
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	243.89	33.23
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	254.22	35.78
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	321.95	38.34
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	334.89	40.90
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	351.75	43.46
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	363.39	46.01
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	441.55	48.56
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	481.90	51.12
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	78.97	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	108.70	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	135.82	
22 51 23 00-0176		**Pool Flow Meters** *(22 51 23)*		
22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	147.55	22.64
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	147.55	22.64
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	229.96	42.44
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Diameter Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	192.81	45.27
22 51 23 00-0181		**Paddlewheel Flow Sensors** *(22 51 23)*		
22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0) Note: Includes 25' of cable (extendable to 200').	951.93	59.05
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	1,276.78	59.05
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	1,276.78	59.05
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	1,327.67	59.05
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	1,382.46	59.05
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	1,486.18	59.05
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	1,486.18	59.05
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,550.76	59.05
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,613.38	59.05
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1) Note: Includes 25' of cable (extendable to 200').	996.94	59.05
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	1,327.67	59.05
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	1,327.67	59.05
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	1,382.46	59.05
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	1,433.34	59.05
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2) Note: Includes 25' of cable (extendable to 200').	1,038.04	59.05
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	334.06	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	461.81	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	568.03	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	697.74	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	923.33	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	935.62	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	308.80	16.35
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	432.09	16.35
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	537.76	16.35
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	686.49	16.35
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	960.47	16.35

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53		**Laboratory Chemical-Waste and Vent Piping** *(22 66)*		
22 66 53 00-0001		Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*		
22 66 53 00-0002		Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*		
22 66 53 00-0003		Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*		
22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	14.64	6.45
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.19*	
		For Schedule 80, Add	*2.56*	
		For Work In Restricted Working Space, Add	*2.92*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	17.59	7.24
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*2.96*	
		For Schedule 80, Add	*3.46*	
		For Work In Restricted Working Space, Add	*3.28*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	27.84	10.52
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*5.34*	
		For Schedule 80, Add	*6.25*	
		For Work In Restricted Working Space, Add	*4.75*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	37.62	13.69
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*7.59*	
		For Schedule 80, Add	*8.87*	
		For Work In Restricted Working Space, Add	*6.17*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	60.91	20.15
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*13.67*	
		For Schedule 80, Add	*15.98*	
		For Work In Restricted Working Space, Add	*9.05*	
22 66 53 00-0009		Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*		
22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	56.34	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	72.79	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	97.03	36.78
		For Work In Restricted Working Space, Add	*16.56*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	139.59	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	271.42	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0015		Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*		
22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	56.00	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	71.89	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	98.74	36.78
		For Work In Restricted Working Space, Add	*16.56*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	122.39	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	244.75	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0021		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees *(22 66 53 00-0002)*		
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	102.69	52.06
		For Work In Restricted Working Space, Add	*23.42*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	127.93	65.64
		For Work In Restricted Working Space, Add	*29.52*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	166.84	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	229.90	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	402.21	150.97
		For Work In Restricted Working Space, Add	*67.90*	
22 66 53 00-0027		Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*		
22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	127.89	65.64
		For Work In Restricted Working Space, Add	*29.52*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	162.71	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	159.05	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	220.50	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	224.05	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	376.04	150.97
		For Work In Restricted Working Space, Add	*67.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0034		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug** *(22 66 53 00-0002)*		
22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	114.72	52.06
		For Work In Restricted Working Space, Add	*23.42*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	130.84	65.64
		For Work In Restricted Working Space, Add	*29.52*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	175.74	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	234.01	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	351.46	150.97
		For Work In Restricted Working Space, Add	*67.90*	
22 66 53 00-0040		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	109.44	52.06
		For Work In Restricted Working Space, Add	*23.42*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	134.18	65.64
		For Work In Restricted Working Space, Add	*29.52*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	170.56	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	232.99	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	458.68	150.97
		For Work In Restricted Working Space, Add	*67.90*	
22 66 53 00-0046		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes** *(22 66 53 00-0002)*		
22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	142.45	65.64
		For Work In Restricted Working Space, Add	*29.52*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	166.32	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	166.32	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	229.33	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	229.33	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	410.04	150.97
		For Work In Restricted Working Space, Add	*67.90*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	412.89	150.97
		For Work In Restricted Working Space, Add	*67.90*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	377.24	150.97
		For Work In Restricted Working Space, Add	*67.90*	
22 66 53 00-0055		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses** *(22 66 53 00-0002)*		
22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	136.18	65.07
		For Work In Restricted Working Space, Add	*29.27*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	169.28	82.05
		For Work In Restricted Working Space, Add	*36.90*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	227.31	89.86
		For Work In Restricted Working Space, Add	*40.42*	
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	315.46	117.92
		For Work In Restricted Working Space, Add	*53.05*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	558.62	188.65
		For Work In Restricted Working Space, Add	*84.88*	
22 66 53 00-0061		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends** *(22 66 53 00-0002)*		
22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	100.48	52.06
		For Work In Restricted Working Space, Add	*23.42*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	131.19	65.64
		For Work In Restricted Working Space, Add	*29.52*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	149.73	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	206.70	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	121.43	65.64
		For Work In Restricted Working Space, Add	*29.52*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	145.80	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	147.38	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	200.86	94.38
		For Work In Restricted Working Space, Add	*42.44*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	201.86	94.38
		For Work In Restricted Working Space, Add	*42.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0071		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps** *(22 66 53 00-0002)*		
22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	118.67	60.44
		For Work In Restricted Working Space, Add	*27.16*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	157.84	79.45
		For Work In Restricted Working Space, Add	*35.74*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	237.83	107.85
		For Work In Restricted Working Space, Add	*48.50*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	333.75	137.28
		For Work In Restricted Working Space, Add	*61.73*	
22 66 53 00-0076		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	55.40	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	67.85	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	79.58	36.78
		For Work In Restricted Working Space, Add	*16.56*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	108.14	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	160.40	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0082		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters** *(22 66 53 00-0002)*		
22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	53.03	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	69.64	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	82.87	36.78
		For Work In Restricted Working Space, Add	*16.56*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	111.37	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0087		**Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings** *(22 66 53 00-0002)*		
22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	50.08	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	64.34	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	74.86	36.78
		For Work In Restricted Working Space, Add	*16.56*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	99.00	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	145.56	71.87
		For Work In Restricted Working Space, Add	*32.33*	
22 66 53 00-0093		**Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
		Note: Acid resistant. ASTM A518.		
22 66 53 00-0094		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0093)*		
22 66 53 00-0095	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	113.37	10.07
22 66 53 00-0096	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	159.59	12.57
22 66 53 00-0097	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	217.21	14.49
22 66 53 00-0098	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	356.69	20.39
22 66 53 00-0099	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	629.50	27.29
22 66 53 00-0100	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,113.56	34.42
22 66 53 00-0101	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,985.94	46.36
22 66 53 00-0102	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	3,537.81	53.15
22 66 53 00-0103		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0093)*		
22 66 53 00-0104		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0103)*		
22 66 53 00-0105	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	452.08	85.78
22 66 53 00-0106	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	591.37	94.38
22 66 53 00-0107	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	961.39	112.94
22 66 53 00-0108	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,432.70	134.70
22 66 53 00-0109	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	3,293.32	219.31
22 66 53 00-0110		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0111	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	262.45	85.78
22 66 53 00-0112	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	342.25	94.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0113	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	429.69	112.94
22 66 53 00-0114	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	1,138.96	134.70
22 66 53 00-0115	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,585.75	219.31
22 66 53 00-0116	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,928.43	273.23
22 66 53 00-0117	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	5,770.68	328.58
22 66 53 00-0118		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0119	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	262.45	85.78
22 66 53 00-0120	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	342.25	94.38
22 66 53 00-0121	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	429.69	112.94
22 66 53 00-0122	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	834.07	134.70
22 66 53 00-0123	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,191.62	219.31
22 66 53 00-0124	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,203.94	273.23
22 66 53 00-0125	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	4,544.24	328.58
22 66 53 00-0126		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0127	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	262.45	85.78
22 66 53 00-0128	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	342.25	94.38
22 66 53 00-0129	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	429.41	112.83
22 66 53 00-0130		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0103)*		
22 66 53 00-0131	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	359.13	85.78
22 66 53 00-0132	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	635.99	94.38
22 66 53 00-0133	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	712.27	112.94
22 66 53 00-0134		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0103)*		
22 66 53 00-0135	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	370.94	128.34
22 66 53 00-0136	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	466.12	142.25
22 66 53 00-0137	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	648.83	169.86
22 66 53 00-0138	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	1,084.33	202.43
22 66 53 00-0139	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,323.18	329.24
22 66 53 00-0140	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	4,719.25	411.12
22 66 53 00-0141		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0103)*		
22 66 53 00-0142	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	348.07	123.02
22 66 53 00-0143	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	406.27	132.07
22 66 53 00-0144	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	454.07	136.70
22 66 53 00-0145	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	520.08	150.97
22 66 53 00-0146	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	557.03	155.72
22 66 53 00-0147	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	612.16	160.36
22 66 53 00-0148	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	765.22	175.17
22 66 53 00-0149	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	849.46	179.69
22 66 53 00-0150	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	951.06	187.95
22 66 53 00-0151		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0103)*		
22 66 53 00-0152	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	422.93	128.34
22 66 53 00-0153	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	510.18	141.91
22 66 53 00-0154	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	697.12	169.86
22 66 53 00-0155		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** *(22 66 53 00-0103)*		
22 66 53 00-0156	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	400.08	123.02
22 66 53 00-0157	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	499.65	137.39
22 66 53 00-0158	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	602.31	156.18
22 66 53 00-0159	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	646.33	160.81
22 66 53 00-0160		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** *(22 66 53 00-0103)*		
22 66 53 00-0161	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	367.45	128.56
22 66 53 00-0162	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	507.02	142.25
22 66 53 00-0163	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	648.63	169.75
22 66 53 00-0164	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	1,090.60	201.69
22 66 53 00-0165	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	4,162.99	328.91
22 66 53 00-0166		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0103)*		
22 66 53 00-0167	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	377.78	123.02
22 66 53 00-0168	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	406.21	132.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0169	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	429.24	137.50
22 66 53 00-0170	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	479.18	150.97
22 66 53 00-0171	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	497.81	155.95
22 66 53 00-0172	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	598.00	160.81
22 66 53 00-0173	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	805.82	175.39
22 66 53 00-0174	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	957.28	179.69
22 66 53 00-0175	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	999.40	187.95
22 66 53 00-0176	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,446.58	265.34
22 66 53 00-0177	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,641.89	274.11
22 66 53 00-0178	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	3,231.73	288.14
22 66 53 00-0179		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0180	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	437.74	128.34
22 66 53 00-0181	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	521.34	141.91
22 66 53 00-0182	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	771.49	169.86
22 66 53 00-0183	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	1,187.65	201.90
22 66 53 00-0184		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0185	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	362.90	123.02
22 66 53 00-0186	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	421.08	132.07
22 66 53 00-0187	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	466.18	137.39
22 66 53 00-0188	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	505.20	150.97
22 66 53 00-0189	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	583.72	156.18
22 66 53 00-0190	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	661.14	160.70
22 66 53 00-0191	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	854.09	175.39
22 66 53 00-0192	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,065.19	179.79
22 66 53 00-0193	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	1,167.19	188.27
22 66 53 00-0194		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers** *(22 66 53 00-0103)*		
22 66 53 00-0195	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	225.23	80.81
22 66 53 00-0196	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	246.86	85.33
22 66 53 00-0197	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	275.97	89.86
22 66 53 00-0198	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	443.12	99.59
22 66 53 00-0199	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	464.79	104.23
22 66 53 00-0200	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	503.18	112.38
22 66 53 00-0201	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	653.61	120.97
22 66 53 00-0202	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	949.31	164.51
22 66 53 00-0203	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	1,011.12	178.43
22 66 53 00-0204		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers** *(22 66 53 00-0103)*		
22 66 53 00-0205	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	602.68	188.65
22 66 53 00-0206	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	796.03	188.65
22 66 53 00-0207	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	813.38	188.65
22 66 53 00-0208	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	914.82	250.63
22 66 53 00-0209		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0103)*		
22 66 53 00-0210	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	671.45	85.78
22 66 53 00-0211	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	810.74	94.38
22 66 53 00-0212	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	987.42	112.94
22 66 53 00-0213	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,912.54	134.70
22 66 53 00-0214		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0103)*		
22 66 53 00-0215	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	333.10	85.78
22 66 53 00-0216	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	420.33	94.38
22 66 53 00-0217	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	578.42	112.94
22 66 53 00-0218	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	744.21	134.70
22 66 53 00-0219	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,449.35	187.95
22 66 53 00-0220		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221	LB	Lead (1 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	6.73	
22 66 53 00-0222	LB	Seal-Tite Packing (1/8 Lb./Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	68.17	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0223		Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)* Note: ASTM A518.		
22 66 53 00-0224		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe *(22 66 53 00-0223)*		
22 66 53 00-0225	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	89.96	7.58
22 66 53 00-0226	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	102.37	8.38
22 66 53 00-0227	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	141.21	10.52
22 66 53 00-0228	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	178.14	12.22
22 66 53 00-0229		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings *(22 66 53 00-0223)*		
22 66 53 00-0230		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps *(22 66 53 00-0229)*		
22 66 53 00-0231	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	331.81	60.09
22 66 53 00-0232	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	358.41	67.90
22 66 53 00-0233	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	491.53	74.92
22 66 53 00-0234	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	593.15	90.53
22 66 53 00-0235		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends *(22 66 53 00-0229)*		
22 66 53 00-0236	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	186.80	60.09
22 66 53 00-0237	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	223.50	67.22
22 66 53 00-0238	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	287.41	75.15
22 66 53 00-0239	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	376.47	89.86
22 66 53 00-0240	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	217.90	63.49
22 66 53 00-0241		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends *(22 66 53 00-0229)*		
22 66 53 00-0242	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	186.80	60.09
22 66 53 00-0243	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	223.50	67.22
22 66 53 00-0244	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	287.41	75.15
22 66 53 00-0245	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	376.47	89.86
22 66 53 00-0246		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends *(22 66 53 00-0229)*		
22 66 53 00-0247	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	220.27	60.09
22 66 53 00-0248	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	275.55	67.22
22 66 53 00-0249	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	424.99	75.15
22 66 53 00-0250	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	476.86	89.86
22 66 53 00-0251		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends *(22 66 53 00-0229)*		
22 66 53 00-0252	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	212.83	60.09
22 66 53 00-0253	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	253.25	67.22
22 66 53 00-0254	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	391.52	75.15
22 66 53 00-0255	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	443.40	89.86
22 66 53 00-0256		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends *(22 66 53 00-0229)*		
22 66 53 00-0257	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	321.49	90.42
22 66 53 00-0258		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees *(22 66 53 00-0229)*		
22 66 53 00-0259	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	262.00	90.42
22 66 53 00-0260	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	323.74	101.85
22 66 53 00-0261	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	426.73	113.51
22 66 53 00-0262	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	646.16	135.92
22 66 53 00-0263		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees *(22 66 53 00-0229)*		
22 66 53 00-0264	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	303.11	98.01
22 66 53 00-0265	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	370.35	105.70
22 66 53 00-0266	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	394.54	109.43
22 66 53 00-0267	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	422.66	120.75
22 66 53 00-0268	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	465.03	124.15
22 66 53 00-0269	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	504.14	127.88
22 66 53 00-0270		Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes *(22 66 53 00-0229)*		
22 66 53 00-0271	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	262.44	90.77
22 66 53 00-0272	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	308.86	101.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0273	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	411.85	113.51
22 66 53 00-0274	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	646.16	135.92
22 66 53 00-0275		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0276	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	292.72	98.57
22 66 53 00-0277	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	359.16	105.59
22 66 53 00-0278	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	376.44	109.78
22 66 53 00-0279	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	423.20	121.10
22 66 53 00-0280	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	466.05	124.82
22 66 53 00-0281	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	493.45	128.22
22 66 53 00-0282		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes** *(22 66 53 00-0229)*		
22 66 53 00-0283	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	393.15	120.86
22 66 53 00-0284	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	501.33	136.03
22 66 53 00-0285	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	642.06	150.52
22 66 53 00-0286	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	836.47	180.96
22 66 53 00-0287	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	433.63	127.99
22 66 53 00-0288	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	485.83	135.58
22 66 53 00-0289	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	578.93	143.05
22 66 53 00-0290	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	639.03	158.43
22 66 53 00-0291	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	770.06	166.47
22 66 53 00-0292		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses** *(22 66 53 00-0229)*		
22 66 53 00-0293	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	437.70	120.86
22 66 53 00-0294	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	515.92	135.81
22 66 53 00-0295	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	740.00	151.30
22 66 53 00-0296	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	1,033.82	181.18
22 66 53 00-0297	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	470.75	127.99
22 66 53 00-0298	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	615.92	135.58
22 66 53 00-0299	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	649.50	143.05
22 66 53 00-0300	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	694.75	158.32
22 66 53 00-0301	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	884.44	165.79
22 66 53 00-0302		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0303	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	291.28	90.08
22 66 53 00-0304	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	338.61	101.85
22 66 53 00-0305	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	411.85	113.51
22 66 53 00-0306	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	687.06	135.92
22 66 53 00-0307		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0308	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	321.79	98.12
22 66 53 00-0309	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	359.61	105.93
22 66 53 00-0310	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	391.31	109.78
22 66 53 00-0311	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	531.03	121.10
22 66 53 00-0312	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	544.14	124.82
22 66 53 00-0313	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	608.72	128.22
22 66 53 00-0314		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0315	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	463.47	120.64
22 66 53 00-0316	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	582.75	135.69
22 66 53 00-0317	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	839.58	150.85
22 66 53 00-0318	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	1,008.37	181.52
22 66 53 00-0319		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0320	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	504.22	127.99
22 66 53 00-0321	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	604.73	135.46
22 66 53 00-0322	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	630.91	143.05
22 66 53 00-0323	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	702.18	158.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0324	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	884.44	165.79
22 66 53 00-0325		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers** *(22 66 53 00-0229)*		
22 66 53 00-0326	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	218.84	64.16
22 66 53 00-0327	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	246.81	67.90
22 66 53 00-0328	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	289.81	79.22
22 66 53 00-0329	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	343.36	75.26
22 66 53 00-0330	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	363.87	78.99
22 66 53 00-0331	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	384.39	82.73
22 66 53 00-0332		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** *(22 66 53 00-0229)*		
22 66 53 00-0333	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	201.92	52.85
22 66 53 00-0334	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	234.61	59.75
22 66 53 00-0335	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	276.15	67.68
22 66 53 00-0336	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	502.82	82.39
22 66 53 00-0337		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** *(22 66 53 00-0229)*		
22 66 53 00-0338	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	89.68	30.11
22 66 53 00-0339	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	106.17	33.61
22 66 53 00-0340	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	115.82	37.57
22 66 53 00-0341	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	149.19	44.93
22 66 53 00-0342		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0229)*		
22 66 53 00-0343	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	368.46	59.75
22 66 53 00-0344	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	379.66	67.22
22 66 53 00-0345	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	469.61	75.15
22 66 53 00-0346	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	599.56	89.86
22 66 53 00-0347	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	512.73	64.28
22 66 53 00-0348	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	706.25	71.74
22 66 53 00-0349	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	854.93	79.22
22 66 53 00-0350	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	1,063.55	94.38
22 66 53 00-0351		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** *(22 66 53 00-0229)*		
22 66 53 00-0352	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	686.02	68.24
22 66 53 00-0353	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	1,083.62	75.48
22 66 53 00-0354	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	715.35	67.90
22 66 53 00-0355	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	1,083.62	75.48
22 66 53 00-0356		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** *(22 66 53 00-0229)*		
22 66 53 00-0357	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	637.27	67.90
22 66 53 00-0358	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	748.98	75.48
22 66 53 00-0359	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	737.66	67.90
22 66 53 00-0360	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,622.75	75.48
22 66 53 00-0361	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	964.63	75.48
22 66 53 00-0362		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0229)*		
22 66 53 00-0363	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	265.28	60.44
22 66 53 00-0364	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	347.25	67.90
22 66 53 00-0365		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0229)*		
22 66 53 00-0366	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	134.83	45.27
22 66 53 00-0367	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	248.31	49.12
22 66 53 00-0368	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	181.55	56.58
22 66 53 00-0369		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0229)*		
22 66 53 00-0370	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	252.76	64.39
22 66 53 00-0371	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	276.55	67.90
22 66 53 00-0372	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	308.24	71.63
22 66 53 00-0373	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	330.41	78.99
22 66 53 00-0374	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	308.29	71.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0375	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	325.05	75.48
22 66 53 00-0376	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	350.93	82.73
22 66 53 00-0377	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	397.69	79.22
22 66 53 00-0378	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	490.98	94.38
22 66 53 00-0379		Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings *(22 66 53 00-0229)*		
22 66 53 00-0380	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	89.24	
22 66 53 00-0381	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	104.11	
22 66 53 00-0382	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	111.55	
22 66 53 00-0383	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	122.70	
22 66 53 00-0384		Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings *(22 66 53 00-0229)*		
22 66 53 00-0385	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	658.77	30.22
22 66 53 00-0386	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	249.45	15.05
22 66 53 00-0387	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	465.10	15.05
22 66 53 00-0388		Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates *(22 66 53 00-0229)*		
22 66 53 00-0389	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	2,360.58	150.97
22 66 53 00-0390	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,914.74	158.55
22 66 53 00-0391	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,963.52	15.05
22 66 53 00-0392		Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618) *(22 66 53)*		
22 66 53 00-0393		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe *(22 66 53 00-0392)*		
		Note: Excludes fittings or hangers.		
22 66 53 00-0394	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	13.02	4.75
22 66 53 00-0395	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	16.52	5.66
22 66 53 00-0396	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	26.67	8.15
22 66 53 00-0397	LF	4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	33.78	8.83
22 66 53 00-0398	LF	6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	53.24	10.73
22 66 53 00-0399	LF	8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe	115.95	14.27
22 66 53 00-0400		Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings *(22 66 53 00-0392)*		
22 66 53 00-0401		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends *(22 66 53 00-0400)*		
22 66 53 00-0402	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	51.06	18.90
		Note: 0.125		
		For Work In Restricted Working Space, Add	*8.49*	
22 66 53 00-0403	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	64.49	24.11
		Note: 0.16		
		For Work In Restricted Working Space, Add	*10.86*	
22 66 53 00-0404	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	96.70	32.36
		Note: 0.215		
		For Work In Restricted Working Space, Add	*14.60*	
22 66 53 00-0405	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	132.99	37.69
		Note: 0.25		
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0406	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	271.29	49.00
		Note: 0.325		
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0407	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends	374.63	65.98
		Note: 0.438		
		For Work In Restricted Working Space, Add	*29.71*	
22 66 53 00-0408		Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends *(22 66 53 00-0400)*		
22 66 53 00-0409	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	51.85	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 66 53 00-0410	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	68.32	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 66 53 00-0411	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	103.60	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 66 53 00-0412	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends	135.52	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0413		Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends *(22 66 53 00-0400)*		
22 66 53 00-0414	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	50.67	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 66 53 00-0415	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	63.45	24.11
		For Work In Restricted Working Space, Add	*10.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0416	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	98.68	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 66 53 00-0417	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	113.25	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0418	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	239.09	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0419	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends	337.69	65.98
		For Work In Restricted Working Space, Add	*29.71*	
22 66 53 00-0420		**Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0421	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	51.12	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 66 53 00-0422	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	63.42	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 66 53 00-0423	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	97.86	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 66 53 00-0424	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	119.68	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0425	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	199.73	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0426	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends	229.12	65.98
		For Work In Restricted Working Space, Add	*29.71*	
22 66 53 00-0427		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0428	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	259.63	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0429	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	200.31	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0430	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends	125.97	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0431		**Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0432	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	70.72	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0433	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	88.20	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0434	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	140.78	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0435	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	186.42	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0436	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	448.81	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 66 53 00-0437	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees	620.18	98.91
		For Work In Restricted Working Space, Add	*44.56*	
22 66 53 00-0438		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0439	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	80.21	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 66 53 00-0440	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	85.70	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 66 53 00-0441	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	84.17	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 66 53 00-0442	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	121.65	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 66 53 00-0443	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	130.03	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 66 53 00-0444	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	165.43	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 66 53 00-0445	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	175.71	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 66 53 00-0446	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	338.86	67.79
		For Work In Restricted Working Space, Add	*30.56*	
22 66 53 00-0447	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees	745.39	84.76
		For Work In Restricted Working Space, Add	*38.20*	
22 66 53 00-0448		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0449	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	99.19	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0450	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	122.68	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0451	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	164.51	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 66 53 00-0452	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees	202.85	75.37
		For Work In Restricted Working Space, Add	*33.95*	

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22 66 53 00-0453		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees** *(22 66 53 00-0400)*		
22 66 53 00-0454	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	120.62	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 66 53 00-0455	EA	3" x 3" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	144.03	51.26
		For Work In Restricted Working Space, Add	*23.09*	
22 66 53 00-0456	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	179.32	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0457	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	165.68	61.79
		For Work In Restricted Working Space, Add	*27.84*	
22 66 53 00-0458	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee	185.71	70.05
		For Work In Restricted Working Space, Add	*31.58*	
22 66 53 00-0459		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers** *(22 66 53 00-0400)*		
22 66 53 00-0460	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	67.05	21.50
		For Work In Restricted Working Space, Add	*9.68*	
22 66 53 00-0461	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	75.22	25.58
		For Work In Restricted Working Space, Add	*11.54*	
22 66 53 00-0462	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	115.93	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0463	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	127.15	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 66 53 00-0464	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	140.73	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 66 53 00-0465	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	187.46	40.74
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0466	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers	214.07	43.34
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0467		**Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings** *(22 66 53 00-0400)*		
22 66 53 00-0468	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	51.21	21.50
		For Work In Restricted Working Space, Add	*9.68*	
22 66 53 00-0469	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	58.52	25.58
		For Work In Restricted Working Space, Add	*11.54*	
22 66 53 00-0470	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	64.29	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0471	EA	4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	94.89	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 66 53 00-0472	EA	4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	102.24	35.08
		For Work In Restricted Working Space, Add	*15.79*	
22 66 53 00-0473	EA	6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	152.13	40.74
		For Work In Restricted Working Space, Add	*18.33*	
22 66 53 00-0474	EA	6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	151.88	43.34
		For Work In Restricted Working Space, Add	*19.52*	
22 66 53 00-0475	EA	8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	393.37	51.83
		For Work In Restricted Working Space, Add	*23.36*	
22 66 53 00-0476	EA	8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing	415.51	57.49
		For Work In Restricted Working Space, Add	*25.91*	
22 66 53 00-0477		**Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps** *(22 66 53 00-0400)*		
22 66 53 00-0478	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	86.83	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0479	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	116.26	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0480	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	185.43	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0481	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps	284.74	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0482		**Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes** *(22 66 53 00-0400)*		
22 66 53 00-0483	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	71.27	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0484	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	94.76	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0485	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	145.07	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0486	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	189.94	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0487	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	377.05	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 66 53 00-0488	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes	438.83	98.91
		For Work In Restricted Working Space, Add	*44.56*	
22 66 53 00-0489		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes** *(22 66 53 00-0400)*		
22 66 53 00-0490	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	77.91	30.89
		For Work In Restricted Working Space, Add	*13.92*	

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22 66 53 00-0491	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	90.80	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 66 53 00-0492	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	124.87	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 66 53 00-0493	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	133.95	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 66 53 00-0494	EA	4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	137.42	47.07
		For Work In Restricted Working Space, Add	*21.22*	
22 66 53 00-0495	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	171.40	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 66 53 00-0496	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	181.77	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 66 53 00-0497	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	275.04	67.79
		For Work In Restricted Working Space, Add	*30.56*	
22 66 53 00-0498	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	329.07	84.76
		For Work In Restricted Working Space, Add	*38.20*	
22 66 53 00-0499	EA	8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes	360.34	90.42
		For Work In Restricted Working Space, Add	*40.74*	
22 66 53 00-0500		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes** *(22 66 53 00-0400)*		
22 66 53 00-0501	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	110.67	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0502	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	129.61	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0503	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	200.69	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 66 53 00-0504	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	348.99	75.37
		For Work In Restricted Working Space, Add	*33.95*	
22 66 53 00-0505	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	557.20	98.01
		For Work In Restricted Working Space, Add	*44.13*	
22 66 53 00-0506		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes** *(22 66 53 00-0400)*		
22 66 53 00-0507	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	150.31	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 66 53 00-0508	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	190.46	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0509	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	314.15	70.05
		For Work In Restricted Working Space, Add	*31.58*	
22 66 53 00-0510	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes	456.59	86.69
		For Work In Restricted Working Space, Add	*39.05*	
22 66 53 00-0511		**Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0512	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	80.08	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0513	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	104.54	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0514	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	153.17	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0515	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	198.75	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0516	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	418.13	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 66 53 00-0517	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	714.85	98.91
		For Work In Restricted Working Space, Add	*44.56*	
22 66 53 00-0518		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0519	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	77.71	30.89
		For Work In Restricted Working Space, Add	*13.92*	
22 66 53 00-0520	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	95.58	33.50
		For Work In Restricted Working Space, Add	*15.11*	
22 66 53 00-0521	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	129.50	41.87
		For Work In Restricted Working Space, Add	*18.84*	
22 66 53 00-0522	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	139.01	44.48
		For Work In Restricted Working Space, Add	*20.03*	
22 66 53 00-0523	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	174.74	49.79
		For Work In Restricted Working Space, Add	*22.41*	
22 66 53 00-0524	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	185.88	53.87
		For Work In Restricted Working Space, Add	*24.28*	
22 66 53 00-0525	EA	6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	330.87	65.19
		For Work In Restricted Working Space, Add	*29.37*	
22 66 53 00-0526	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends	343.79	67.79
		For Work In Restricted Working Space, Add	*30.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0527		**Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0528	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	117.69	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0529	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	171.71	48.21
		For Work In Restricted Working Space, Add	*21.73*	
22 66 53 00-0530	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	267.95	64.85
		For Work In Restricted Working Space, Add	*29.20*	
22 66 53 00-0531	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	436.52	75.37
		For Work In Restricted Working Space, Add	*33.95*	
22 66 53 00-0532	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	597.67	98.01
		For Work In Restricted Working Space, Add	*44.13*	
22 66 53 00-0533		**Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends** *(22 66 53 00-0400)*		
22 66 53 00-0534	EA	2" x 2" x 1-1/2" x 1-1/2 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	150.32	43.01
		For Work In Restricted Working Space, Add	*19.35*	
22 66 53 00-0535	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	227.93	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0536	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	271.94	61.79
		For Work In Restricted Working Space, Add	*27.84*	
22 66 53 00-0537	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	284.39	70.05
		For Work In Restricted Working Space, Add	*31.58*	
22 66 53 00-0538	EA	6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	356.18	81.37
		For Work In Restricted Working Space, Add	*36.67*	
22 66 53 00-0539	EA	6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends	397.14	86.69
		For Work In Restricted Working Space, Add	*39.05*	
22 66 53 00-0540		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug** *(22 66 53 00-0400)*		
22 66 53 00-0541	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	76.12	28.30
		For Work In Restricted Working Space, Add	*12.73*	
22 66 53 00-0542	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	91.52	36.21
		For Work In Restricted Working Space, Add	*16.30*	
22 66 53 00-0543	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	151.00	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 66 53 00-0544	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	191.12	56.58
		For Work In Restricted Working Space, Add	*25.46*	
22 66 53 00-0545	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees	397.25	73.45
		For Work In Restricted Working Space, Add	*33.10*	
22 66 53 00-0546	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	19.24	9.39
		For Work In Restricted Working Space, Add	*4.25*	
22 66 53 00-0547	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	23.67	11.99
		For Work In Restricted Working Space, Add	*5.43*	
22 66 53 00-0548	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	34.06	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 66 53 00-0549	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	39.21	18.79
		For Work In Restricted Working Space, Add	*8.49*	
22 66 53 00-0550	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug	62.23	24.45
		For Work In Restricted Working Space, Add	*11.03*	
22 66 53 00-0551		**Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug** *(22 66 53 00-0400)*		
22 66 53 00-0552	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	43.03	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 66 53 00-0553	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	53.57	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 66 53 00-0554	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	80.71	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 66 53 00-0555	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	111.69	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0556	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	168.89	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0557	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug	288.84	65.98
		For Work In Restricted Working Space, Add	*29.74*	
22 66 53 00-0558		**Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(22 66 53 00-0400)*		
22 66 53 00-0559	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	46.08	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 66 53 00-0560	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Couplings	58.41	24.11
		For Work In Restricted Working Space, Add	*10.86*	
22 66 53 00-0561	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Couplings	77.07	32.36
		For Work In Restricted Working Space, Add	*14.60*	
22 66 53 00-0562	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Couplings	96.99	37.69
		For Work In Restricted Working Space, Add	*16.97*	
22 66 53 00-0563	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Couplings	137.62	49.00
		For Work In Restricted Working Space, Add	*22.07*	
22 66 53 00-0564	EA	8" Chlorinated Polyvinyl Chloride (CPVC) Couplings	271.88	65.98
		For Work In Restricted Working Space, Add	*29.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0565		Chlorinated Polyvinyl Chloride (CPVC) Female Adapters *(22 66 53 00-0400)*		
22 66 53 00-0566	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	28.14	9.39
22 66 53 00-0567	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	37.16	12.11
22 66 53 00-0568	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	55.78	16.18
22 66 53 00-0569	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	88.75	18.90
22 66 53 00-0570	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters	138.04	24.45
22 66 53 00-0571		Chlorinated Polyvinyl Chloride (CPVC) Male Adapters *(22 66 53 00-0400)*		
22 66 53 00-0572	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	30.90	9.39
22 66 53 00-0573	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	43.24	12.11
22 66 53 00-0574	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	51.86	16.18
22 66 53 00-0575	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	85.70	18.90
22 66 53 00-0576	EA	6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters	114.26	24.45
22 66 53 00-0577		Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 66 53 00-0400)*		
22 66 53 00-0578	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	27.98	9.39
22 66 53 00-0579	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	34.65	12.11
22 66 53 00-0580	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	52.93	16.18
22 66 53 00-0581	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	86.60	18.90
22 66 53 00-0582	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	110.66	24.45
22 66 53 00-0583	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap	171.41	33.05
22 66 83		**Chemical-Waste Tanks** *(22 66)*		
22 66 83 16		**Chemical-Waste Neutralization Tanks** *(22 66 83)*		
22 66 83 16-0001		Acid Neutralization Tank *(22 66 83 16)*		
22 66 83 16-0002		Polyethylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	592.51	230.44
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	1,083.85	319.54
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	1,341.90	460.88
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,720.57	614.50
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	2,214.54	737.40
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	3,037.98	921.76
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	3,497.37	1,152.20
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	4,553.39	1,382.63
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	5,159.81	1,659.16
22 66 83 16-0012		Polypropylene Acid Neutralization Tank *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	991.86	230.44
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,716.15	319.54
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	2,734.78	460.88
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	3,603.78	614.50
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	4,563.37	737.40
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	5,191.61	921.76
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	5,641.50	1,152.20
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	8,297.31	1,382.63
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	8,953.64	1,659.16
22 66 83 16-0022		Chemical Dilution Trap *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	537.50	76.82
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	554.98	76.82
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	572.45	76.82
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	626.29	92.17

22 67 Processed Water Systems for Laboratory and Healthcare Facilities *(22 60)*

22 67 13 Processed Water Piping for Laboratory and Healthcare Facilities *(22 67)*

22 67 13 53 Laboratory Water Piping *(22 67 13)*

22 67 13 53-0001 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*

22 67 13 53-0002 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe *(22 67 13 53-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0003	LF	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	12.86	3.28
		For Work In Restricted Working Space, Add	*1.46*	
22 67 13 53-0004	LF	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	16.20	4.08
		For Work In Restricted Working Space, Add	*1.82*	
22 67 13 53-0005	LF	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	21.09	4.30
		For Work In Restricted Working Space, Add	*1.94*	
22 67 13 53-0006	LF	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	34.03	4.75
		For Work In Restricted Working Space, Add	*2.12*	
22 67 13 53-0007	LF	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Pipe	45.90	5.66
		For Work In Restricted Working Space, Add	*2.54*	

22 67 13 53-0008 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0009	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	48.49	12.11
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0010	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	59.47	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0011	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	71.03	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0012	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	112.70	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0013	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 90 Degree Elbow	138.79	40.85
		For Work In Restricted Working Space, Add	*18.35*	

22 67 13 53-0014 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0001)*

22 67 13 53-0015	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	48.49	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0016	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	59.47	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0017	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	71.03	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0018	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	113.43	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0019	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 45 Degree Elbow	138.79	40.85
		For Work In Restricted Working Space, Add	*18.35*	

22 67 13 53-0020 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tees *(22 67 13 53-0001)*

22 67 13 53-0021	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	65.31	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0022	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	77.35	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 67 13 53-0023	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	95.13	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0024	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	158.80	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 67 13 53-0025	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Tee	206.55	60.44
		For Work In Restricted Working Space, Add	*27.16*	

22 67 13 53-0026 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tees *(22 67 13 53-0001)*

22 67 13 53-0027	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	151.60	22.64
		For Work In Restricted Working Space, Add	*10.18*	
22 67 13 53-0028	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	178.50	26.37
		For Work In Restricted Working Space, Add	*11.88*	
22 67 13 53-0029	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	187.62	28.63
		For Work In Restricted Working Space, Add	*12.90*	
22 67 13 53-0030	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	235.14	40.74
		For Work In Restricted Working Space, Add	*18.33*	
22 67 13 53-0031	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Tee	283.30	54.32
		For Work In Restricted Working Space, Add	*24.44*	

22 67 13 53-0032 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Inserts *(22 67 13 53-0001)*

22 67 13 53-0033	EA	3/4" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	66.03	14.37
		For Work In Restricted Working Space, Add	*6.45*	
22 67 13 53-0034	EA	1" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	78.82	16.63
		For Work In Restricted Working Space, Add	*7.47*	
22 67 13 53-0035	EA	1" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	89.57	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 67 13 53-0036	EA	1-1/2" x 1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	122.19	22.64
		For Work In Restricted Working Space, Add	*10.19*	
22 67 13 53-0037	EA	1-1/2" x 3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	129.68	24.90
		For Work In Restricted Working Space, Add	*11.21*	
22 67 13 53-0038	EA	1-1/2" x 1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	134.39	26.37
		For Work In Restricted Working Space, Add	*11.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0039	EA	2" x 1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Reducing Insert	202.52	37.01
		For Work In Restricted Working Space, Add	*16.64*	

22 67 13 53-0040 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0041	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	57.07	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0042	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	71.32	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0043	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	84.11	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0044	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	121.69	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0045	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Male Thread Adapter	160.79	40.74
		For Work In Restricted Working Space, Add	*18.33*	

22 67 13 53-0046 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0001)*

22 67 13 53-0047	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	57.07	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0048	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	71.32	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0049	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	84.11	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0050	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	121.69	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0051	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion x Female Thread Adapter	159.22	40.85
		For Work In Restricted Working Space, Add	*18.35*	

22 67 13 53-0052 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Couplings *(22 67 13 53-0001)*

22 67 13 53-0053	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	37.05	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0054	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	50.08	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0055	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	63.68	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0056	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	99.63	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0057	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Coupling	133.07	40.85
		For Work In Restricted Working Space, Add	*18.35*	

22 67 13 53-0058 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Unions *(22 67 13 53-0001)*

22 67 13 53-0059	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	158.87	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0060	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	173.36	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 67 13 53-0061	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	200.94	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0062	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	349.99	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 67 13 53-0063	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Union	487.62	60.44
		For Work In Restricted Working Space, Add	*27.16*	

22 67 13 53-0064 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Caps *(22 67 13 53-0001)*

22 67 13 53-0065	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	44.65	12.39
		For Work In Restricted Working Space, Add	*5.55*	
22 67 13 53-0066	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	54.57	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0067	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	63.68	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0068	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	100.44	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0069	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion Cap	133.07	40.85
		For Work In Restricted Working Space, Add	*18.35*	

22 67 13 53-0070 Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0001)*

22 67 13 53-0071	EA	1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	79.20	20.37
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0072	EA	3/4" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	91.65	24.11
		For Work In Restricted Working Space, Add	*10.95*	
22 67 13 53-0073	EA	1" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	112.53	32.48
		For Work In Restricted Working Space, Add	*14.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0074	EA	1-1/2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	170.24	49.12
		For Work In Restricted Working Space, Add	*21.90*	
22 67 13 53-0075	EA	2" Schedule 80 Standardline Polypropylene Copolymer Socket Fusion 150 Lb. Flange	203.29	60.44
		For Work In Restricted Working Space, Add	*27.16*	
22 67 13 53-0076		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe And Fittings *(22 67 13 53)*		
22 67 13 53-0077		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe *(22 67 13 53-0076)*		
22 67 13 53-0078	LF	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	14.52	3.28
		For Work In Restricted Working Space, Add	*1.46*	
22 67 13 53-0079	LF	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	18.55	4.08
		For Work In Restricted Working Space, Add	*1.82*	
22 67 13 53-0080	LF	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	24.01	4.30
		For Work In Restricted Working Space, Add	*1.94*	
22 67 13 53-0081	LF	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	30.28	4.75
		For Work In Restricted Working Space, Add	*2.12*	
22 67 13 53-0082	LF	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Pipe	41.40	5.66
		For Work In Restricted Working Space, Add	*2.54*	
22 67 13 53-0083		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbows *(22 67 13 53-0076)*		
22 67 13 53-0084	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	50.50	12.11
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0085	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	64.83	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0086	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	80.79	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0087	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	116.76	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0088	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 90 Degree Elbow	154.14	40.85
		For Work In Restricted Working Space, Add	*18.35*	
22 67 13 53-0089		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbows *(22 67 13 53-0076)*		
22 67 13 53-0090	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	50.13	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0091	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	65.02	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0092	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	80.98	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0093	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	119.38	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0094	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 45 Degree Elbow	154.14	40.85
		For Work In Restricted Working Space, Add	*18.35*	
22 67 13 53-0095		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tees *(22 67 13 53-0076)*		
22 67 13 53-0096	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	68.61	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0097	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	81.86	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 67 13 53-0098	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	101.57	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0099	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	153.24	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 67 13 53-0100	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Tee	197.00	60.44
		For Work In Restricted Working Space, Add	*27.16*	
22 67 13 53-0101		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tees *(22 67 13 53-0076)*		
22 67 13 53-0102	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	81.18	22.64
		For Work In Restricted Working Space, Add	*10.18*	
22 67 13 53-0103	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	100.33	26.37
		For Work In Restricted Working Space, Add	*11.88*	
22 67 13 53-0104	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	103.73	28.63
		For Work In Restricted Working Space, Add	*12.90*	
22 67 13 53-0105	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	148.46	40.74
		For Work In Restricted Working Space, Add	*18.33*	
22 67 13 53-0106	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Tee	191.14	54.32
		For Work In Restricted Working Space, Add	*24.44*	
22 67 13 53-0107		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Inserts *(22 67 13 53-0076)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0108	EA	3/4" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	58.05	14.37
		For Work In Restricted Working Space, Add	*6.45*	
22 67 13 53-0109	EA	1" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	65.75	16.63
		For Work In Restricted Working Space, Add	*7.47*	
22 67 13 53-0110	EA	1" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	69.15	18.90
		For Work In Restricted Working Space, Add	*8.49*	
22 67 13 53-0111	EA	1-1/2" x 1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	90.56	22.64
		For Work In Restricted Working Space, Add	*10.19*	
22 67 13 53-0112	EA	1-1/2" x 3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	93.96	24.90
		For Work In Restricted Working Space, Add	*11.21*	
22 67 13 53-0113	EA	1-1/2" x 1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	96.22	26.37
		For Work In Restricted Working Space, Add	*11.88*	
22 67 13 53-0114	EA	2" x 1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Reducing Insert	134.18	37.01
		For Work In Restricted Working Space, Add	*16.64*	

22 67 13 53-0115 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0116	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	50.50	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0117	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	63.70	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0118	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	74.98	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0119	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	102.51	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0120	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Male Thread Adapter	145.84	40.74
		For Work In Restricted Working Space, Add	*18.33*	

22 67 13 53-0121 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapters *(22 67 13 53-0076)*

22 67 13 53-0122	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	50.50	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0123	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	63.70	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0124	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	74.98	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0125	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	102.51	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0126	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion x Female Thread Adapter	145.90	40.85
		For Work In Restricted Working Space, Add	*18.35*	

22 67 13 53-0127 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Couplings *(22 67 13 53-0076)*

22 67 13 53-0128	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	47.31	12.22
		For Work In Restricted Working Space, Add	*5.48*	
22 67 13 53-0129	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	59.96	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0130	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	70.86	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0131	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	101.76	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0132	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Coupling	131.28	40.85
		For Work In Restricted Working Space, Add	*18.35*	

22 67 13 53-0133 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Unions *(22 67 13 53-0076)*

22 67 13 53-0134	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	159.52	
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0135	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	184.58	24.33
		For Work In Restricted Working Space, Add	*10.95*	
22 67 13 53-0136	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	223.23	32.14
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0137	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	367.30	48.67
		For Work In Restricted Working Space, Add	*21.90*	
22 67 13 53-0138	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Union	478.55	60.44
		For Work In Restricted Working Space, Add	*27.16*	

22 67 13 53-0139 Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Caps *(22 67 13 53-0076)*

22 67 13 53-0140	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	47.55	12.39
		For Work In Restricted Working Space, Add	*5.55*	
22 67 13 53-0141	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	59.96	16.18
		For Work In Restricted Working Space, Add	*7.30*	
22 67 13 53-0142	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	70.67	20.15
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0143	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	102.13	32.14
		For Work In Restricted Working Space, Add	*14.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 67 13 53-0144	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion Cap	131.28	40.85
		For Work In Restricted Working Space, Add	*18.35*	
22 67 13 53-0145		Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flanges *(22 67 13 53-0076)*		
22 67 13 53-0146	EA	1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	92.41	20.37
		For Work In Restricted Working Space, Add	*9.05*	
22 67 13 53-0147	EA	3/4" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	106.23	24.11
		For Work In Restricted Working Space, Add	*10.95*	
22 67 13 53-0148	EA	1" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	128.00	32.48
		For Work In Restricted Working Space, Add	*14.45*	
22 67 13 53-0149	EA	1-1/2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	183.98	49.12
		For Work In Restricted Working Space, Add	*21.90*	
22 67 13 53-0150	EA	2" Schedule 80 Whiteline Polypropylene Homopolymer Socket Fusion 150 Lb. Flange	229.24	60.44
		For Work In Restricted Working Space, Add	*27.16*	

END OF SECTION 22

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	567.78
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	811.09
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	851.96
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	940.04
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,702.73
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	763.77
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,098.11
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,163.93
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,531.28
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	2,373.18
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	908.04
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,340.44
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	3,086.22
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	4,829.00
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	9,079.74

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

See CSI section 22 01 10 61-0001 for pipe repair clamps, 22 01 10 61-0074 for repair and tape HVAC pipe insulation seam.

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	30.73
23 01 20 91-0003	EA	>1" To 3" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	36.87
23 01 20 91-0004	EA	>3" To 6" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	43.02
23 01 20 91-0005	EA	>6" To 10" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	49.16
23 01 20 91-0006	EA	>10" To 14" Diameter Valve, Lock Out/Tag Out Valve Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).	61.45
23 01 20 91-0007	EA	Lock Out Padlock	12.29
23 01 20 91-0008	EA	Lock Out Tags	5.18

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Diameter Pipe, Freeze Pipe Using CO2 Kit	382.04

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	692.31
23 01 20 91-0013	EA	Up To 1" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	373.67
23 01 20 91-0014	EA	>1" To 1-1/2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	836.53
23 01 20 91-0015	EA	>1" To 1-1/2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	431.21
23 01 20 91-0016	EA	>1-1/2" To 2" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,146.01
23 01 20 91-0017	EA	>1-1/2" To 2" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	488.92
23 01 20 91-0018	EA	>2" To 3" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,306.75
23 01 20 91-0019	EA	>2" To 3" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	574.53
23 01 20 91-0020	EA	>3" To 4" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,904.96
23 01 20 91-0021	EA	>3" To 4" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	663.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0022	EA	>4" To 6" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	3,894.13	
23 01 20 91-0023	EA	>4" To 6" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	867.85	
23 01 20 91-0024	EA	>6" To 8" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,180.60	
23 01 20 91-0025	EA	>6" To 8" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,271.86	
23 01 20 91-0026	EA	>8" To 10" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	7,140.88	
23 01 20 91-0027	EA	>8" To 10" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,729.73	
23 01 20 91-0028	EA	>10" To 12" Diameter, Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	9,187.49	
23 01 20 91-0029	EA	>10" To 12" Diameter, Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,240.91	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.96	
		For >250 To 500, Deduct	*-0.17*	
		For >500 To 2,000, Deduct	*-0.36*	
		For >2,000, Deduct	*-0.56*	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.65	
		For >250 To 500, Deduct	*-0.23*	
		For >500 To 2,000, Deduct	*-0.49*	
		For >2,000, Deduct	*-0.74*	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	4.01	
		For >250 To 500, Deduct	*-0.35*	
		For >500 To 2,000, Deduct	*-0.73*	
		For >2,000, Deduct	*-1.11*	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	5.43	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 2,000, Deduct	*-0.97*	
		For >2,000, Deduct	*-1.48*	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.59	
		For >250 To 500, Deduct	*-0.55*	
		For >500 To 2,000, Deduct	*-1.17*	
		For >2,000, Deduct	*-1.78*	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	8.27	
		For >250 To 500, Deduct	*-0.69*	
		For >500 To 2,000, Deduct	*-1.46*	
		For >2,000, Deduct	*-2.23*	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	10.98	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 2,000, Deduct	*-1.95*	
		For >2,000, Deduct	*-2.97*	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	13.16	
		For >250 To 500, Deduct	*-1.11*	
		For >500 To 2,000, Deduct	*-2.34*	
		For >2,000, Deduct	*-3.56*	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	257.25	

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	194.26	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	242.82	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	346.58	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	415.31	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	519.14	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	674.89	
23 01 20 91-0048	LF	>2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	0.34	
23 01 20 91-0049	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	404.54	
23 01 20 91-0050	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	577.76	
23 01 20 91-0051	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	692.27	
23 01 20 91-0052	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	865.34	
23 01 20 91-0053	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,124.94	
23 01 20 91-0054	LF	>2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	0.56	
23 01 20 91-0055	EA	Up To 100', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	566.35	
23 01 20 91-0056	EA	>100 To 250', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	808.87	
23 01 20 91-0057	EA	>250 To 500', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	969.18	
23 01 20 91-0058	EA	>500 To 1,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,211.47	
23 01 20 91-0059	EA	>1,000 To 2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	1,574.92	
23 01 20 91-0060	LF	>2,000', >1-1/2" To 3" Diameter Pipe, Purge Liquid System	0.79	
23 01 20 91-0061	EA	Up To 100', >3" To 6" Diameter Pipe, Purge Liquid System	778.73	
23 01 20 91-0062	EA	>100 To 250', >3" To 6" Diameter Pipe, Purge Liquid System	1,112.20	
23 01 20 91-0063	EA	>250 To 500', >3" To 6" Diameter Pipe, Purge Liquid System	1,180.72	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0064	EA	>500 To 1,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,475.90	
23 01 20 91-0065	EA	>1,000 To 2,000', >3" To 6" Diameter Pipe, Purge Liquid System	1,918.67	
23 01 20 91-0066	LF	>2,000', >3" To 6" Diameter Pipe, Purge Liquid System	0.96	
23 01 20 91-0067	EA	Up To 100', >6" To 10" Diameter Pipe, Purge Liquid System	1,051.30	
23 01 20 91-0068	EA	>100 To 250', >6" To 10" Diameter Pipe, Purge Liquid System	1,501.46	
23 01 20 91-0069	EA	>250 To 500', >6" To 10" Diameter Pipe, Purge Liquid System	1,593.97	
23 01 20 91-0070	EA	>500 To 1,000', >6" To 10" Diameter Pipe, Purge Liquid System	1,992.45	
23 01 20 91-0071	EA	>1,000 To 2,000', >6" To 10" Diameter Pipe, Purge Liquid System	2,590.20	
23 01 20 91-0072	LF	>2,000', >6" To 10" Diameter Pipe, Purge Liquid System	1.29	
23 01 20 91-0073		Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*		
23 01 20 91-0074	EA	1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	403.98	
23 01 20 91-0075	EA	3/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	508.92	
23 01 20 91-0076	EA	1" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	706.38	
23 01 20 91-0077	EA	1-1/4" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,083.14	
23 01 20 91-0078	EA	1-1/2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,338.09	
23 01 20 91-0079	EA	2" Diameter, Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,023.93	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001		Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*		
23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.88	
		For Exhaust Ductwork, Add	*0.97*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	4.87	
		For Exhaust Ductwork, Add	*1.22*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	6.53	
		For Exhaust Ductwork, Add	*1.63*	
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Interior Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	9.27	
		For Exhaust Ductwork, Add	*2.32*	
23 01 30 51-0006	SF	Clean Exposed Exterior Of Metal Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	0.57	
23 01 30 51-0007	LF	Clean Supply/Return Shafts	11.52	
23 01 30 51-0008	EA	Clean Floor Transition	9.27	
23 01 30 51-0009	SF	Clean Duct Dampers	13.07	
23 01 30 51-0010	SF	Clean Duct Fire Dampers	26.13	
23 01 30 51-0011	SF	Clean Louver	10.46	
23 01 30 51-0012	EA	Clean Turning Vane Set	31.37	
23 01 30 51-0013	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	31.37	
23 01 30 51-0014	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	7.84	
23 01 30 51-0015	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	109.40	
		For Stainless Steel, Add	*68.16*	
23 01 30 51-0016	EA	Clean Variable Air Volume (VAV) Unit	94.09	
23 01 30 51-0017	EA	Clean Fan Powered Induction Unit (PIU) Unit	125.46	
23 01 30 51-0018	EA	Clean (FCU) Fan Coil Unit	125.46	
23 01 30 51-0019	EA	Clean Packaged Terminal Air Conditioning Unit	125.46	
23 01 30 51-0020	EA	Clean Supply Or Return Fan	250.92	
23 01 30 51-0021	EA	Clean Exhaust Fan	219.56	
23 01 30 51-0022	EA	Clean Duct Coil	188.19	
23 01 30 51-0023	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	6.27	
23 01 30 51-0024	EA	Clean Air Handling Unit Fan	250.92	
23 01 30 51-0025	EA	Clean Air Handling Unit Coil	376.38	
23 01 30 51-0026	SF	Clean Equipment Surfaces, Rust Reform And Prime	3.45	
23 01 30 51-0027	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	4.08	
23 01 30 51-0028	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.70	
23 01 30 51-0029	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	891.99	
23 01 30 51-0030	SF	Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.57	

23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

23 01 30 61-0001		Repair And Seal Ductwork *(23 01 30 61)* Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.		
23 01 30 61-0002	SF	Repair, Taping And Sealing Of Ductwork Note: Clean, apply sealant and tape	2.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 61-0003		Rework Sheet Metal Ductwork *(23 01 30 61)*		
		Note: Includes removal of existing ductwork and reinstallation of ductwork. Excludes new ductwork.		
23 01 30 61-0004	LF	Up To 1 SF Cross Section, Rework Existing Ductwork	32.71	
23 01 30 61-0005	LF	>1 To 2 SF Cross Section, Rework Existing Ductwork	63.78	
23 01 30 61-0006	LF	>2 To 4 SF Cross Section, Rework Existing Ductwork	84.28	
23 01 30 61-0007	LF	>4 To 6 SF Cross Section, Rework Existing Ductwork	105.55	
23 01 30 61-0008	LF	>6 To 8 SF Cross Section, Rework Existing Ductwork	147.20	
23 01 30 61-0009	LF	>8 To 10 SF Cross Section, Rework Existing Ductwork	171.73	
23 01 30 61-0010	LF	>10 To 12 SF Cross Section, Rework Existing Ductwork	196.27	
23 01 30 61-0011	LF	>12 To 14 SF Cross Section, Rework Existing Ductwork	220.80	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001		Boiler Repairs *(23 01 50 61)*		
23 01 50 61-0002		Setup And Maintenance *(23 01 50 61-0001)*		
23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance	2,654.63	
		Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.		
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance	2,898.76	
		Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.		
		For Burner Seals, Add	*665.46*	
		Note: Used when burner must be removed from door for maintenance.		
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance	3,539.52	
		Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.		
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance	1,769.76	
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance	3,539.52	
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	110.61	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	331.83	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	12.94	
23 01 50 61-0011		Boiler Tube Replacement *(23 01 50 61-0001)*		
23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	265.46	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	331.83	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	464.56	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination	12.37	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination	14.48	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination	16.62	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination	24.36	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination	28.71	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination	37.11	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	33.18	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	49.78	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	66.37	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	82.96	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	99.55	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	116.14	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	99.55	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	132.73	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	165.91	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	199.10	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	232.28	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	265.46	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	404.71	
23 01 50 61-0034		Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*		
23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,906.67	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,991.07	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,519.51	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	5,334.06	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,916.10	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	4,593.53	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	8,630.44	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	6,688.45	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	7,223.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0044		**Cast Iron Grate Replacement** *(23 01 50 61-0001)*		
23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	150.59	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	2,233.41	
23 01 50 61-0047		**Replacement Or Conversion Of Boiler Burners** *(23 01 50 61-0001)* Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	11,036.80	1,206.36
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	15,944.42	1,493.57
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	18,829.73	1,809.41
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	22,226.25	1,947.27
23 01 50 61-0052		**Boiler And Chiller Water Treatment** *(23 01 50 61)* Note: 3 Lb. chemical per 50 gallon system water.		
23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.74	
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	2.62	
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	163.43	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 61 Central Cooling Equipment Repair *(23 01 60)*

23 01 60 61-0001		**Cooling Tower Repairs** *(23 01 60 61)*		
23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade	3,614.74	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade	4,263.97	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade	4,908.44	
23 01 60 61-0005	EA	Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade	5,801.73	
23 01 60 61-0006	EA	Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade	6,396.46	
23 01 60 61-0007	EA	Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade	3,988.86	
23 01 60 61-0008	EA	Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade	4,443.77	
23 01 60 61-0009	EA	Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade	5,225.69	
23 01 60 61-0010	EA	Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade	5,960.21	
23 01 60 61-0011	EA	Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade	6,569.17	
23 01 60 61-0012	EA	Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan	992.52	
23 01 60 61-0013	EA	Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan	1,029.91	
23 01 60 61-0014	EA	Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan	1,100.49	
23 01 60 61-0015	EA	Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan	1,282.41	
23 01 60 61-0016	EA	Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan	1,589.90	
23 01 60 61-0017	EA	Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan	2,150.94	
23 01 60 61-0018	EA	Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan	2,261.78	
23 01 60 61-0019	EA	Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan	2,428.05	
23 01 60 61-0020	EA	Replace Counterflow Nozzle (1/2" - 2" NPT Thread)	42.69	
23 01 60 61-0021	EA	Replace 6' Polyvinyl Chloride (PVC) Splash Fill	25.59	

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001		**Refrigerant Recovery, Reclaim And Recycling** *(23 01 60 71)* See CSI section 23 01 60 71-0005 for flushing pipe with nitrogen and vacuum removal of inert gases.		
23 01 60 71-0002	LB	Recovery Of Refrigerant	13.00	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	24.38	
23 01 60 71-0004	LB	Recharging Of Refrigerant Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 23 00-0000 for refrigerants.	10.95	
23 01 60 71-0005		**Flush And Cleaning Of Refrigerant Piping Systems With Nitrogen** *(23 01 60 71)* Note: Includes vacuum of nitrogen from pipe.		
23 01 60 71-0006	EA	Up To 100', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	132.88	
23 01 60 71-0007	EA	>100 To 250', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	170.03	
23 01 60 71-0008	EA	>250 To 500', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	213.96	
23 01 60 71-0009	EA	>500 To 1,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	274.83	
23 01 60 71-0010	EA	>1,000 To 2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	364.20	
23 01 60 71-0011	LF	>2,000', Up To 5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.21	
23 01 60 71-0012	EA	Up To 100', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	181.95	
23 01 60 71-0013	EA	>100 To 250', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	232.97	
23 01 60 71-0014	EA	>250 To 500', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	293.16	
23 01 60 71-0015	EA	>500 To 1,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	377.09	
23 01 60 71-0016	EA	>1,000 To 2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	500.41	
23 01 60 71-0017	LF	>2,000', >5/8" To 1-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.28	
23 01 60 71-0018	EA	Up To 100', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	231.27	
23 01 60 71-0019	EA	>100 To 250', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	296.37	
23 01 60 71-0020	EA	>250 To 500', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	373.38	
23 01 60 71-0021	EA	>500 To 1,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	480.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 60 71-0022	EA	>1,000 To 2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	640.60	
23 01 60 71-0023	LF	>2,000', >1-1/8" To 1-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.36	
23 01 60 71-0024	EA	Up To 100', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	265.17	
23 01 60 71-0025	EA	>100 To 250', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	343.25	
23 01 60 71-0026	EA	>250 To 500', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	435.54	
23 01 60 71-0027	EA	>500 To 1,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	565.60	
23 01 60 71-0028	EA	>1,000 To 2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	768.68	
23 01 60 71-0029	LF	>2,000', >1-5/8" To 2-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.42	
23 01 60 71-0030	EA	Up To 100', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	315.13	
23 01 60 71-0031	EA	>100 To 250', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	408.32	
23 01 60 71-0032	EA	>250 To 500', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	566.29	
23 01 60 71-0033	EA	>500 To 1,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	673.81	
23 01 60 71-0034	EA	>1,000 To 2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	917.62	
23 01 60 71-0035	LF	>2,000', >2-1/8" To 2-5/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.49	
23 01 60 71-0036	EA	Up To 100', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	359.42	
23 01 60 71-0037	EA	>100 To 250', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	466.01	
23 01 60 71-0038	EA	>250 To 500', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	592.22	
23 01 60 71-0039	EA	>500 To 1,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	770.60	
23 01 60 71-0040	EA	>1,000 To 2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	1,051.69	
23 01 60 71-0041	LF	>2,000', >2-5/8" To 3-1/8", Refrigerant Pipe, Clean/Flush/Inerting With Nitrogen	0.58	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	801.49	
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	907.55	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	893.64	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	949.28	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,244.84	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,050.11	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,017.08	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,272.66	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,064.02	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,097.06	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,620.38	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,161.38	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,201.37	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,122.83	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,842.92	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,766.42	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,545.31	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,107.18	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,138.48	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,312.03	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,993.87	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,028.64	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,466.46	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,517.19	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,802.32	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,436.60	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,223.06	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,635.11	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,566.69	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,982.83	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,068.02	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,850.08	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,420.65	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,611.90	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,992.65	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,296.90	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,847.74	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,186.76	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,606.89	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,276.56	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,406.65	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	13,119.48	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	15,570.90	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	16,094.22	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	19,208.05	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0050		**Cast Iron Frame, Premium Efficient, Open Drip Proof Motors** *(23 05 13 00-0002)*		
23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,758.76	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,813.79	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,998.90	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,699.25	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	18,380.48	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	19,849.60	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,878.02	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,377.22	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	21,767.27	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	22,341.01	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	30,729.76	
23 05 13 00-0062		**Premium Efficient, TEFC Motors** *(23 05 13 00-0001)*		
		Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.		
23 05 13 00-0063		**Steel Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	937.11	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,032.73	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,062.28	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,072.72	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,163.12	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,112.70	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,290.04	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,229.19	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,430.87	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,345.68	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,228.89	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,143.69	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,940.28	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,173.25	
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	2,190.64	
23 05 13 00-0081		**Cast Iron Frame, Premium Efficient, TEFC Motors** *(23 05 13 00-0062)*		
23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,336.98	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,496.93	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,411.74	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,385.66	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,782.06	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,484.76	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,451.73	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,809.88	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,602.99	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,648.19	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,254.96	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,973.31	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,649.93	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,616.59	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,284.52	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,201.07	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,731.04	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,677.44	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,468.81	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,259.57	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,689.31	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,376.36	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,681.74	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,049.20	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,094.40	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,564.65	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,283.61	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,354.89	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,559.13	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,278.08	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,352.84	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,887.42	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,606.07	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	8,307.03	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	12,321.46	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,414.52	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,078.97	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	14,889.37	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,225.53	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,063.84	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,072.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,386.61	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	15,275.34	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	21,045.75	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	18,969.86	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	23,485.01	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	27,014.37	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	33,951.38	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,389.14	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,526.49	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,686.44	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,369.71	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,580.39	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,556.05	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,973.31	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,948.67	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,653.41	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,623.85	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,999.39	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,718.87	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,955.92	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,055.03	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,886.08	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,033.55	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,406.22	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,091.54	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,924.33	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,420.65	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,139.91	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,633.98	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,184.81	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,342.11	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,343.33	
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,153.82	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,436.60	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,564.34	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,276.96	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,017.90	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,232.88	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,433.03	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,989.78	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,309.99	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,468.72	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,034.28	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,996.43	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,640.02	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,849.47	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,310.81	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,697.09	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,408.69	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,043.89	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,762.54	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	14,220.01	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,525.48	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,285.56	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,146.68	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,275.34	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,785.36	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	20,689.34	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	17,076.53	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,108.13	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,180.14	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,464.76	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,144.85	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	27,695.90	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	25,221.87	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	24,997.59	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	31,287.85	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,568.37	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	29,284.98	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,276.19	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,013.67	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,229.25	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	46,208.51	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,853.35	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,919.41	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,093.27	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,587.04	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,868.69	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,953.58	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,035.29	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	5,462.68	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,227.67	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	8,181.85	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,183.29	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	12,008.51	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	13,524.57	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	18,919.45	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	22,210.62	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	27,056.09	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	35,363.12	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	40,349.43	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	160.45	81.63
23 05 13 00-0218	EA	3/4 HP Motor Mounting	184.87	102.05
23 05 13 00-0219	EA	1 HP Motor Mounting	197.77	102.05
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	212.60	102.05
23 05 13 00-0221	EA	2 HP Motor Mounting	229.83	122.45
23 05 13 00-0222	EA	3 HP Motor Mounting	265.75	122.45
23 05 13 00-0223	EA	5 HP Motor Mounting	314.96	204.10
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	404.94	204.10
23 05 13 00-0225	EA	10 HP Motor Mounting	531.50	357.16
23 05 13 00-0226	EA	15 HP Motor Mounting	654.15	357.16
23 05 13 00-0227	EA	20 HP Motor Mounting	773.08	510.23
23 05 13 00-0228	EA	25 HP Motor Mounting	876.69	510.23
23 05 13 00-0229	EA	30 HP Motor Mounting	1,062.98	510.23
23 05 13 00-0230	EA	40 HP Motor Mounting	1,197.72	765.35
23 05 13 00-0231	EA	50 HP Motor Mounting	1,328.73	765.35
23 05 13 00-0232	EA	75 HP Motor Mounting	1,604.50	1,122.51
23 05 13 00-0233	EA	100 HP Motor Mounting	1,932.69	1,122.51
23 05 13 00-0234	EA	125 HP Motor Mounting	2,362.18	1,530.70
23 05 13 00-0235	EA	150 HP Motor Mounting	2,743.18	1,530.70
23 05 13 00-0236	EA	200 HP Motor Mounting	3,149.58	1,836.83

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	237.96	99.10
		For 300 Lb. Rating, Add	*9.92*	
23 05 16 00-0004	EA	3/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	266.82	111.76
		For 300 Lb. Rating, Add	*10.86*	
23 05 16 00-0005	EA	1" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	312.79	128.11
		For 300 Lb. Rating, Add	*14.16*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	353.65	142.99
		For 300 Lb. Rating, Add	*17.00*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	382.87	153.69
		For 300 Lb. Rating, Add	*18.88*	
23 05 16 00-0008	EA	2" Threaded, 150 Lb., Stainless Steel Bellows Type Expansion Joint	440.89	180.85
		For 300 Lb. Rating, Add	*19.82*	

23 05 16 00-0009 Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	584.80	99.07
		For 300 Lb. Rating, Add	*115.43*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	640.90	118.89
		For 300 Lb. Rating, Add	*122.98*	
23 05 16 00-0012	EA	2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	680.72	150.93
		For 300 Lb. Rating, Add	*123.00*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	734.32	164.18
		For 300 Lb. Rating, Add	*132.12*	
23 05 16 00-0014	EA	3" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	811.96	192.49
		For 300 Lb. Rating, Add	*142.77*	
23 05 16 00-0015	EA	4" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,020.37	322.70
		For 300 Lb. Rating, Add	*154.00*	
23 05 16 00-0016	EA	5" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,358.92	352.94
		For 300 Lb. Rating, Add	*229.61*	
23 05 16 00-0017	EA	6" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,278.50	392.16
		For 300 Lb. Rating, Add	*196.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0018	EA	8" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,641.99	501.09
		For 300 Lb. Rating, Add	*254.88*	
23 05 16 00-0019	EA	10" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,081.32	610.02
		For 300 Lb. Rating, Add	*329.70*	
23 05 16 00-0020	EA	12" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,714.21	462.09
		For 300 Lb. Rating, Add	*447.20*	
23 05 16 00-0021	EA	14" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,433.51	871.46
		For 300 Lb. Rating, Add	*586.05*	
23 05 16 00-0022	EA	16" Flanged, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,384.88	958.61
		For 300 Lb. Rating, Add	*796.66*	
23 05 16 00-0023		Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*		
		Note: Carbon steel ends. Includes internal sleeves and external covers.		
23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	642.51	135.88
		For 300 Lb. Rating, Add	*92.72*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	669.13	137.00
		For 300 Lb. Rating, Add	*98.78*	
23 05 16 00-0026	EA	2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	678.53	141.54
		For 300 Lb. Rating, Add	*98.80*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	733.49	154.32
		For 300 Lb. Rating, Add	*106.12*	
23 05 16 00-0028	EA	3" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	822.98	181.50
		For 300 Lb. Rating, Add	*114.90*	
23 05 16 00-0029	EA	4" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,216.86	361.42
		For 300 Lb. Rating, Add	*123.69*	
23 05 16 00-0030	EA	5" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,473.69	368.96
		For 300 Lb. Rating, Add	*184.42*	
23 05 16 00-0031	EA	6" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,448.16	408.50
		For 300 Lb. Rating, Add	*157.94*	
23 05 16 00-0032	EA	8" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	1,751.06	466.78
		For 300 Lb. Rating, Add	*204.72*	
23 05 16 00-0033	EA	10" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,200.76	571.90
		For 300 Lb. Rating, Add	*264.81*	
23 05 16 00-0034	EA	12" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	2,823.18	693.24
		For 300 Lb. Rating, Add	*359.19*	
23 05 16 00-0035	EA	14" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	3,367.82	705.89
		For 300 Lb. Rating, Add	*488.93*	
23 05 16 00-0036	EA	16" Butt Weld, 150 Lb., Stainless Steel Bellows Type Expansion Joint	4,423.68	882.35
		For 300 Lb. Rating, Add	*664.64*	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001		Wall Seals And Sleeves *(23 05 17)*		
		Note: Up to 12" walls. Excludes drilling hole.		
23 05 17 00-0002		Ductile Iron Wall Sleeve *(23 05 17 00-0001)*		
		Note: Includes rubber gasket seal.		
23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	179.81	53.87
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	235.33	62.92
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	292.98	75.48
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	393.54	113.17
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	486.22	150.85
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	589.74	188.65
23 05 17 00-0009		Steel Pipe Sleeves *(23 05 17 00-0001)*		
		Note: Includes link seals 12" length.		
23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	156.81	54.63
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	196.09	59.21
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	233.31	63.81
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	289.63	76.54
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	424.59	95.60
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	837.68	114.76
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	993.24	143.46
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,339.66	176.50
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,857.56	229.52
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	2,693.34	286.90

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001		Thermometers *(23 05 19)*		
23 05 19 00-0002		Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers *(23 05 19 00-0001)*		
		Note: Various ranges.		
23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	117.06	39.34
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	136.30	39.34
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	136.30	39.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0006		**Liquid Filled Industrial Union Connection Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges.		
23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	155.54	39.34
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	155.54	39.34
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	195.76	39.34
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	160.79	39.34
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	169.53	39.34
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	201.01	39.34
23 05 19 00-0013		**Liquid Filled Industrial Separable Socket Type Thermometers** *(23 05 19 00-0001)* Note: Various ranges. Socket connection for thermowell.		
23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	155.54	39.34
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	155.54	39.34
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	195.76	39.34
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	178.27	39.34
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	195.76	39.34
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	200.22	39.34
23 05 19 00-0020		**1" NPT, 304 Stainless Steel Thermowells** *(23 05 19 00-0001)*		
23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	197.68	73.77
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	197.59	73.77
23 05 19 00-0023		**Pressure Gauges** *(23 05 19)*		
23 05 19 00-0024		**Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	41.93	15.36
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	52.25	15.36
23 05 19 00-0027		**Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	311.46	15.36
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	311.46	15.36
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	406.80	15.36
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	968.24	15.36
23 05 19 00-0032		**Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	151.73	15.36
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	345.21	15.36
23 05 19 00-0035		**Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	343.79	15.36
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	343.79	15.36
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	343.79	15.36
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	98.78	12.29
23 05 19 00-0041	EA	1/4" Diameter, Snubber Valve	60.06	12.29
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	37.66	18.45
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	32.26	18.45
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	39.25	18.45
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	7.90	6.15
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	70.31	30.74
23 05 19 00-0047	EA	1/4", 300 Lb., Black Steel Union	65.86	12.29
23 05 19 00-0048	EA	1/4" Black Steel Coupling	26.12	12.29
23 05 19 00-0049	EA	1/4", 300 Lb., Black Steel Plug	15.10	7.38
23 05 19 00-0050	EA	1/4", 150 Lb., Black Steel Cap	15.61	7.38
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.95	4.06
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	9.17	4.06
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	9.38	
23 05 19 00-0054	EA	1/4" Diameter Threaded, 800 Lb., Forged Steel, Ball Valve	121.25	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	91.46	18.81
23 05 19 00-0057		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	178.47	17.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0060	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	186.40	18.83
23 05 19 00-0061	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	201.68	19.79
23 05 19 00-0062	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	225.13	26.67
23 05 19 00-0063	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	269.04	32.32
23 05 19 00-0064	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	304.42	40.92
23 05 19 00-0065	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	433.10	47.31
23 05 19 00-0066	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	479.31	55.92
23 05 19 00-0067		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0068	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	232.88	17.90
23 05 19 00-0069	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	239.60	18.83
23 05 19 00-0070	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	258.51	19.79
23 05 19 00-0071	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	273.50	26.67
23 05 19 00-0072	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	289.59	32.32
23 05 19 00-0073	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	312.89	40.92
23 05 19 00-0074	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	597.55	47.31
23 05 19 00-0075	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	638.92	55.92
23 05 19 00-0076		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0077	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	338.08	17.90
23 05 19 00-0078	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	356.89	18.83
23 05 19 00-0079	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	387.89	19.79
23 05 19 00-0080	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	421.01	26.67
23 05 19 00-0081	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	483.06	32.32
23 05 19 00-0082	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	509.98	40.92
23 05 19 00-0083	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,032.84	47.31
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,086.30	55.92
23 05 19 00-0085		**Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	229.25	17.90
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	238.39	18.83
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	252.46	19.79
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	272.29	26.67
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	288.38	32.32
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	312.89	40.92
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	590.29	47.31
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	629.25	55.92
23 05 19 00-0094		**Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	335.66	17.90
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	361.72	18.83
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	395.14	19.79
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	421.01	26.67
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	483.06	32.32
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	514.82	40.92
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,032.84	47.31
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,086.30	55.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0103		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	492.73	32.32
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	553.51	40.92
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	628.98	47.31
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	706.63	55.92
23 05 19 00-0108		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,083.69	129.04
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,209.03	163.83
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,784.26	192.39
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,690.08	322.53
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,359.48	386.42
23 05 19 00-0114		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators *(23 05 19 00-0057)*		
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	831.77	92.17
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	982.41	107.54
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,058.90	129.04
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,326.92	163.83
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,928.75	192.39
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,846.66	322.53
23 05 19 00-0121		Venturi Flowmeters *(23 05 19)*		
23 05 19 00-0122		Threaded, Brass, Venturi Flowmeters *(23 05 19 00-0121)*		
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter	329.18	83.60
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter	363.20	100.32
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	400.55	111.51
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	451.47	125.41
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0127	EA	2" Threaded, Brass, Venturi Flowmeter	537.71	143.36
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0128	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	731.39	195.48
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0129		Butt Weld, Carbon Steel, Venturi Flowmeters *(23 05 19 00-0121)*		
23 05 19 00-0130	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	1,612.19	172.14
		For Flanged Ends, Add	*443.77*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0131	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	2,230.48	206.57
		For Flanged Ends, Add	*636.07*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0132	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	2,925.45	258.21
		For Flanged Ends, Add	*843.16*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0133	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	3,477.96	344.28
		For Flanged Ends, Add	*976.29*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0134	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	5,094.90	413.14
		For Flanged Ends, Add	*1,494.02*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0135	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	8,344.46	516.42
		For Flanged Ends, Add	*2,559.07*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0136	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	12,522.55	724.73
		For Flanged Ends, Add	*3,875.58*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0137	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	17,558.17	1,087.10
		For Flanged Ends, Add	*5,384.39*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0138	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	26,294.76	1,207.89
		For Flanged Ends, Add	*8,357.64*	
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0139		Turbine Flowmeter *(23 05 19)*		
23 05 19 00-0140	EA	Saddle Mount Turbine Flowmeter	1,142.85	92.21
23 05 19 00-0141		Water Flow Switches *(23 05 19)*		
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	304.40	36.23
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	315.46	36.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	408.85	36.23
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	422.99	36.23
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	329.60	36.23
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	342.49	36.23
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	434.05	36.23
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	446.95	36.23
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	862.26	36.23
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	874.75	36.23
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	993.47	36.23
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,010.66	36.23
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	891.94	36.23
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	909.12	36.23
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,023.15	36.23
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,041.90	36.23

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additonal valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0003	EA	1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	69.30	12.29
		For 200 Lb. Rating, Add	*5.03*	
		For 300 Lb. Rating, Add	*11.73*	
		For 150 Lb. Rating, Add	*3.35*	
		For 250 Lb. Rating, Add	*8.38*	
		For Work In Restricted Working Space, Add	*10.74*	
23 05 23 00-0004	EA	3/8" Diameter, 125 Lb., Threaded Bronze Gate Valve	71.18	12.29
		For 200 Lb. Rating, Add	*5.03*	
		For 300 Lb. Rating, Add	*11.73*	
		For 150 Lb. Rating, Add	*3.35*	
		For 250 Lb. Rating, Add	*8.38*	
		For Work In Restricted Working Space, Add	*11.30*	
23 05 23 00-0005	EA	1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	73.16	12.29
		For 200 Lb. Rating, Add	*5.03*	
		For 300 Lb. Rating, Add	*11.73*	
		For 150 Lb. Rating, Add	*3.35*	
		For 250 Lb. Rating, Add	*8.38*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0006	EA	3/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	93.41	13.52
		For 200 Lb. Rating, Add	*6.00*	
		For 300 Lb. Rating, Add	*13.99*	
		For 150 Lb. Rating, Add	*4.00*	
		For 250 Lb. Rating, Add	*10.00*	
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0007	EA	1" Diameter, 125 Lb., Threaded Bronze Gate Valve	125.08	15.36
		For 200 Lb. Rating, Add	*9.06*	
		For 300 Lb. Rating, Add	*21.14*	
		For 150 Lb. Rating, Add	*6.04*	
		For 250 Lb. Rating, Add	*15.10*	
		For Work In Restricted Working Space, Add	*19.41*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 Lb., Threaded Bronze Gate Valve	163.37	16.35
		For 200 Lb. Rating, Add	*12.21*	
		For 300 Lb. Rating, Add	*28.50*	
		For 150 Lb. Rating, Add	*8.14*	
		For 250 Lb. Rating, Add	*20.36*	
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	197.15	18.92
		For 200 Lb. Rating, Add	*15.39*	
		For 300 Lb. Rating, Add	*35.91*	
		For 150 Lb. Rating, Add	*10.26*	
		For 250 Lb. Rating, Add	*25.65*	
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0010	EA	2" Diameter, 125 Lb., Threaded Bronze Gate Valve	251.93	22.36
		For 200 Lb. Rating, Add	*21.03*	
		For 300 Lb. Rating, Add	*49.07*	
		For 150 Lb. Rating, Add	*14.02*	
		For 250 Lb. Rating, Add	*35.05*	
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 Lb., Threaded Bronze Gate Valve	550.75	30.22
		For Chain Operated Type, Add	*179.94*	
		For 200 Lb. Rating, Add	*59.98*	
		For 300 Lb. Rating, Add	*139.95*	
		For 150 Lb. Rating, Add	*39.99*	
		For 250 Lb. Rating, Add	*99.97*	
		For Work In Restricted Working Space, Add	*45.27*	
23 05 23 00-0012	EA	3" Diameter, 125 Lb., Threaded Bronze Gate Valve	652.08	35.08
		For Chain Operated Type, Add	*215.09*	
		For 200 Lb. Rating, Add	*71.70*	
		For 300 Lb. Rating, Add	*167.29*	
		For 150 Lb. Rating, Add	*47.80*	
		For 250 Lb. Rating, Add	*119.50*	
		For Work In Restricted Working Space, Add	*52.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0013	EA	4" Diameter, 125 Lb., Threaded Bronze Gate Valve	1,336.73	39.61
		For Chain Operated Type, Add	*512.41*	
		For 200 Lb. Rating, Add	*170.80*	
		For 300 Lb. Rating, Add	*398.54*	
		For 150 Lb. Rating, Add	*113.87*	
		For 250 Lb. Rating, Add	*284.67*	
		For Work In Restricted Working Space, Add	*59.42*	

23 05 23 00-0014 Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0015	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	292.45	18.92
		For 150 Lb. Rating, Add	*39.58*	
		For 250 Lb. Rating, Add	*69.27*	
		For Chain Operated Type, Add	*69.27*	
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0016	EA	2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	446.15	22.36
		For 150 Lb. Rating, Add	*66.88*	
		For 250 Lb. Rating, Add	*117.05*	
		For Chain Operated Type, Add	*117.05*	
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0017	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	653.86	30.22
		For 150 Lb. Rating, Add	*100.59*	
		For 250 Lb. Rating, Add	*176.04*	
		For Chain Operated Type, Add	*176.04*	
		For Work In Restricted Working Space, Add	*45.27*	
23 05 23 00-0018	EA	3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	834.02	35.08
		For 150 Lb. Rating, Add	*131.98*	
		For 250 Lb. Rating, Add	*230.97*	
		For Chain Operated Type, Add	*230.97*	
		For Work In Restricted Working Space, Add	*52.23*	
23 05 23 00-0019	EA	4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,974.49	39.61
		For 150 Lb. Rating, Add	*355.29*	
		For 250 Lb. Rating, Add	*621.75*	
		For Chain Operated Type, Add	*621.75*	
		For Work In Restricted Working Space, Add	*59.42*	

23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0021	EA	1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	769.66	129.04
		For 250 Lb. Rating, Add	*303.98*	
		For 150 Lb. Rating, Add	*176.31*	
		For 300 Lb. Rating, ASTM A182, Add	*688.81*	
		For Chain Operated Type, Add	*303.98*	
		For Work In Restricted Working Space, Add	*48.51*	
23 05 23 00-0022	EA	2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	840.65	163.83
		For 250 Lb. Rating, Add	*317.91*	
		For 150 Lb. Rating, Add	*184.39*	
		For 300 Lb. Rating, ASTM A182, Add	*738.24*	
		For Chain Operated Type, Add	*317.91*	
		For Work In Restricted Working Space, Add	*61.45*	
23 05 23 00-0023	EA	2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	968.62	164.09
		For 250 Lb. Rating, Add	*381.43*	
		For 150 Lb. Rating, Add	*221.23*	
		For 300 Lb. Rating, ASTM A182, Add	*865.74*	
		For Chain Operated Type, Add	*381.43*	
		For Work In Restricted Working Space, Add	*61.73*	
23 05 23 00-0024	EA	3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,194.31	192.39
		For 250 Lb. Rating, Add	*476.77*	
		For 150 Lb. Rating, Add	*276.52*	
		For 300 Lb. Rating, ASTM A182, Add	*1,073.92*	
		For Chain Operated Type, Add	*476.77*	
		For Work In Restricted Working Space, Add	*72.23*	
23 05 23 00-0025	EA	4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,675.62	322.53
		For 250 Lb. Rating, Add	*635.72*	
		For 150 Lb. Rating, Add	*368.72*	
		For 300 Lb. Rating, ASTM A182, Add	*1,473.53*	
		For Chain Operated Type, Add	*635.72*	
		For Work In Restricted Working Space, Add	*121.25*	
23 05 23 00-0026	EA	5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,086.77	347.77
		For 250 Lb. Rating, Add	*826.36*	
		For 150 Lb. Rating, Add	*479.29*	
		For 300 Lb. Rating, ASTM A182, Add	*1,869.75*	
		For Chain Operated Type, Add	*826.36*	
		For Work In Restricted Working Space, Add	*130.22*	
23 05 23 00-0027	EA	6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,518.65	386.42
		For 250 Lb. Rating, Add	*1,016.95*	
		For 150 Lb. Rating, Add	*589.83*	
		For 300 Lb. Rating, ASTM A182, Add	*2,276.27*	
		For Chain Operated Type, Add	*1,016.95*	
		For Work In Restricted Working Space, Add	*145.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0028	EA	8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,982.52	493.76
		For 250 Lb. Rating, Add	*1,684.58*	
		For 150 Lb. Rating, Add	*977.06*	
		For 300 Lb. Rating, ASTM A182, Add	*3,675.84*	
		For Chain Operated Type, Add	*1,684.58*	
		For Work In Restricted Working Space, Add	*184.01*	
23 05 23 00-0029	EA	10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,200.89	601.09
		For 250 Lb. Rating, Add	*2,224.77*	
		For 150 Lb. Rating, Add	*1,290.36*	
		For 300 Lb. Rating, ASTM A182, Add	*4,825.21*	
		For Chain Operated Type, Add	*2,224.77*	
		For Work In Restricted Working Space, Add	*225.41*	
23 05 23 00-0030	EA	12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,267.53	729.89
		For 250 Lb. Rating, Add	*3,178.40*	
		For 150 Lb. Rating, Add	*1,843.47*	
		For 300 Lb. Rating, ASTM A182, Add	*6,812.16*	
		For Chain Operated Type, Add	*3,178.40*	
		For Work In Restricted Working Space, Add	*273.22*	

23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0032	EA	1-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	579.67	18.92
		For 175 Lb. Rating, Add	*242.57*	
		For Work In Restricted Working Space, Add	*28.36*	
		For 250 Lb. Rating, Add	*363.85*	
23 05 23 00-0033	EA	2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	738.88	22.36
		For 175 Lb. Rating, Add	*313.58*	
		For Work In Restricted Working Space, Add	*33.52*	
		For 250 Lb. Rating, Add	*470.36*	
23 05 23 00-0034	EA	2-1/2" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	858.08	30.22
		For 175 Lb. Rating, Add	*353.60*	
		For Work In Restricted Working Space, Add	*45.27*	
		For 250 Lb. Rating, Add	*530.39*	
23 05 23 00-0035	EA	3" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	954.41	35.08
		For 175 Lb. Rating, Add	*390.16*	
		For Work In Restricted Working Space, Add	*52.23*	
		For 250 Lb. Rating, Add	*585.23*	
23 05 23 00-0036	EA	4" Diameter, 125 Lb. Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,275.55	39.61
		For 175 Lb. Rating, Add	*538.75*	
		For Work In Restricted Working Space, Add	*59.42*	
		For 250 Lb. Rating, Add	*808.13*	

23 05 23 00-0037 Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".

23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,038.11	129.04
		For Work In Restricted Working Space, Add	*48.51*	
		For Chain Operated Type, Add	*438.20*	
		For 250 Lb. Rating, Add	*569.66*	
		For 175 Lb. Rating, Add	*271.68*	
		For 150 Lb. Rating, Add	*131.46*	
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,107.27	163.83
		For Work In Restricted Working Space, Add	*61.45*	
		For Chain Operated Type, Add	*451.22*	
		For 250 Lb. Rating, Add	*586.59*	
		For 175 Lb. Rating, Add	*279.76*	
		For 150 Lb. Rating, Add	*135.37*	
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,137.65	164.09
		For Work In Restricted Working Space, Add	*61.73*	
		For Chain Operated Type, Add	*465.95*	
		For 250 Lb. Rating, Add	*605.73*	
		For 175 Lb. Rating, Add	*288.89*	
		For 150 Lb. Rating, Add	*139.78*	
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,266.11	192.39
		For Work In Restricted Working Space, Add	*72.23*	
		For Chain Operated Type, Add	*512.67*	
		For 250 Lb. Rating, Add	*666.46*	
		For 175 Lb. Rating, Add	*317.85*	
		For 150 Lb. Rating, Add	*153.80*	
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,647.64	322.53
		For Work In Restricted Working Space, Add	*121.25*	
		For Chain Operated Type, Add	*621.73*	
		For 250 Lb. Rating, Add	*808.25*	
		For 175 Lb. Rating, Add	*385.47*	
		For 150 Lb. Rating, Add	*186.52*	
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,168.95	347.77
		For Work In Restricted Working Space, Add	*130.22*	
		For Chain Operated Type, Add	*867.45*	
		For 250 Lb. Rating, Add	*1,127.69*	
		For 175 Lb. Rating, Add	*537.82*	
		For 150 Lb. Rating, Add	*260.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,466.08	386.42
		For Work In Restricted Working Space, Add	*145.43*	
		For Chain Operated Type, Add	*990.66*	
		For 250 Lb. Rating, Add	*1,287.86*	
		For 175 Lb. Rating, Add	*614.21*	
		For 150 Lb. Rating, Add	*297.20*	
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,964.31	493.76
		For Work In Restricted Working Space, Add	*184.01*	
		For Chain Operated Type, Add	*1,675.48*	
		For 250 Lb. Rating, Add	*2,178.12*	
		For 175 Lb. Rating, Add	*1,038.79*	
		For 150 Lb. Rating, Add	*502.64*	
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	5,908.47	601.09
		For Work In Restricted Working Space, Add	*225.41*	
		For Chain Operated Type, Add	*2,578.56*	
		For 250 Lb. Rating, Add	*3,352.12*	
		For 175 Lb. Rating, Add	*1,598.70*	
		For 150 Lb. Rating, Add	*773.57*	
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	7,446.94	729.89
		For Work In Restricted Working Space, Add	*273.22*	
		For Chain Operated Type, Add	*3,268.10*	
		For 250 Lb. Rating, Add	*4,248.53*	
		For 175 Lb. Rating, Add	*2,026.22*	
		For 150 Lb. Rating, Add	*980.43*	
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	15,235.17	1,037.42
		For Work In Restricted Working Space, Add	*389.03*	
		For 250 Lb. Rating, Add	*9,059.95*	
		For 175 Lb. Rating, Add	*4,320.90*	
		For 150 Lb. Rating, Add	*2,090.76*	
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	19,965.92	1,141.16
		For Work In Restricted Working Space, Add	*427.94*	
		For 250 Lb. Rating, Add	*12,050.66*	
		For 175 Lb. Rating, Add	*5,747.24*	
		For 150 Lb. Rating, Add	*2,780.92*	
23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	27,537.64	1,265.65
		For Work In Restricted Working Space, Add	*474.62*	
		For 250 Lb. Rating, Add	*16,871.13*	
		For 175 Lb. Rating, Add	*8,046.23*	
		For 150 Lb. Rating, Add	*3,893.34*	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	35,149.42	1,426.45
		For Work In Restricted Working Space, Add	*534.92*	
		For 250 Lb. Rating, Add	*21,688.13*	
		For 175 Lb. Rating, Add	*10,343.57*	
		For 150 Lb. Rating, Add	*5,004.95*	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	48,217.91	1,750.64
		For Work In Restricted Working Space, Add	*656.49*	
		For 250 Lb. Rating, Add	*29,919.24*	
		For 175 Lb. Rating, Add	*14,269.18*	
		For 150 Lb. Rating, Add	*6,904.44*	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	101,379.03	2,852.91
		For Work In Restricted Working Space, Add	*1,069.84*	
		For 250 Lb. Rating, Add	*63,578.39*	
		For 175 Lb. Rating, Add	*30,322.00*	
		For 150 Lb. Rating, Add	*14,671.94*	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	129,034.76	3,803.87
		For Work In Restricted Working Space, Add	*1,426.45*	
		For 250 Lb. Rating, Add	*80,781.95*	
		For 175 Lb. Rating, Add	*38,526.78*	
		For 150 Lb. Rating, Add	*18,641.99*	

23 05 23 00-0055 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0056	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	174.82	12.29
		For Work In Restricted Working Space, Add	*10.74*	
23 05 23 00-0057	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	178.68	12.29
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0058	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	211.12	13.52
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0059	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	256.29	15.36
		For Work In Restricted Working Space, Add	*19.41*	
23 05 23 00-0060	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	391.07	16.35
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0061	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	462.47	18.92
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0062	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	581.40	22.36
		For Work In Restricted Working Space, Add	*33.52*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0063		**Ball Valves** *(23 05 23)*		
23 05 23 00-0064		**Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves** *(23 05 23 00-0063)* Note: 125 Lb. WSP.		
23 05 23 00-0065	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	54.68	12.29
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*11.90*	
		For Full Port, Add	*6.76*	
23 05 23 00-0066	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	76.54	13.52
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*16.03*	
		For Full Port, Add	*10.40*	
23 05 23 00-0067	EA	1" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	95.88	15.36
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*19.41*	
		For Full Port, Add	*14.04*	
23 05 23 00-0068	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	134.32	16.35
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*24.58*	
		For Full Port, Add	*23.57*	
23 05 23 00-0069	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	161.44	18.92
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*28.36*	
		For Full Port, Add	*30.11*	
23 05 23 00-0070	EA	2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	195.53	22.36
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*33.52*	
		For Full Port, Add	*37.71*	
23 05 23 00-0071	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	546.36	30.22
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*45.27*	
		For Full Port, Add	*177.96*	
23 05 23 00-0072	EA	3" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	630.39	35.08
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*52.23*	
		For Full Port, Add	*205.33*	
23 05 23 00-0073	EA	4" Diameter Threaded Or Sweated, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	820.14	39.61
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Work In Restricted Working Space, Add	*59.42*	
		For Full Port, Add	*279.94*	
23 05 23 00-0074		**Screwed, 150 Lb., Full Port, Carbon Steel Ball Valves** *(23 05 23 00-0063)*		
23 05 23 00-0075	EA	1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	64.55	12.29
		For Work In Restricted Working Space, Add	*10.74*	
23 05 23 00-0076	EA	1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	70.87	12.29
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0077	EA	3/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	98.58	13.52
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0078	EA	1" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	125.40	15.36
		For Work In Restricted Working Space, Add	*19.41*	
23 05 23 00-0079	EA	1-1/4" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	185.70	16.35
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0080	EA	1-1/2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	225.99	18.92
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0081	EA	2" Diameter Threaded, 150 Lb., Full Port, Carbon Steel Ball Valve	292.73	22.36
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0082		**Flanged, 150 Lb., Full Port, Carbon Steel Ball Valves** *(23 05 23 00-0063)*		
23 05 23 00-0083	EA	1-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	618.17	129.04
		For 250 Lb. Rating, Add	*228.23*	
		For 150 Lb. Rating, Add	*132.37*	
		For 300 Lb. Rating, ASTM A182, Add	*537.32*	
		For Chain Operated Type, Add	*228.23*	
		For Work In Restricted Working Space, Add	*48.51*	
		For Work In Restricted Working Space, Add	*48.51*	
23 05 23 00-0084	EA	2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	771.11	163.83
		For 250 Lb. Rating, Add	*283.14*	
		For 150 Lb. Rating, Add	*164.22*	
		For 300 Lb. Rating, ASTM A182, Add	*668.70*	
		For Chain Operated Type, Add	*283.14*	
		For Work In Restricted Working Space, Add	*61.45*	
		For Work In Restricted Working Space, Add	*61.45*	
23 05 23 00-0085	EA	2-1/2" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,240.21	164.09
		For 250 Lb. Rating, Add	*517.23*	
		For 150 Lb. Rating, Add	*299.99*	
		For 300 Lb. Rating, ASTM A182, Add	*1,137.33*	
		For Chain Operated Type, Add	*517.23*	
		For Work In Restricted Working Space, Add	*61.73*	
		For Work In Restricted Working Space, Add	*61.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0086	EA	3" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,359.23	192.39
		For 250 Lb. Rating, Add	*559.23*	
		For 150 Lb. Rating, Add	*324.35*	
		For 300 Lb. Rating, ASTM A182, Add	*1,238.84*	
		For Chain Operated Type, Add	*559.23*	
		For Work In Restricted Working Space, Add	*72.23*	
		For Work In Restricted Working Space, Add	*72.23*	
23 05 23 00-0087	EA	4" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	1,975.15	322.53
		For Work In Restricted Working Space, Add	*121.25*	
23 05 23 00-0088	EA	6" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	4,744.20	386.42
		For Work In Restricted Working Space, Add	*145.43*	
23 05 23 00-0089	EA	8" Diameter Flanged, 150 Lb., Full Port, Carbon Steel Ball Valve	8,170.84	493.76
		For Work In Restricted Working Space, Add	*184.01*	

23 05 23 00-0090 Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0091	EA	1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	45.94	12.29
		For True Union Socket Or Thread Type, Add	*4.60*	
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0092	EA	3/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	60.67	13.52
		For True Union Socket Or Thread Type, Add	*5.70*	
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0093	EA	1" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	74.78	15.36
		For True Union Socket Or Thread Type, Add	*7.43*	
		For Work In Restricted Working Space, Add	*19.41*	
23 05 23 00-0094	EA	1-1/4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	95.19	16.35
		For True Union Socket Or Thread Type, Add	*9.60*	
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0095	EA	1-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	117.60	18.92
		For True Union Socket Or Thread Type, Add	*14.19*	
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0096	EA	2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	141.11	22.36
		For True Union Socket Or Thread Type, Add	*17.62*	
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0097	EA	2-1/2" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	214.11	30.22
		For True Union Socket Or Thread Type, Add	*33.21*	
		For Work In Restricted Working Space, Add	*45.27*	
23 05 23 00-0098	EA	3" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	281.60	35.08
		For True Union Socket Or Thread Type, Add	*52.14*	
		For Work In Restricted Working Space, Add	*52.23*	
23 05 23 00-0099	EA	4" Diameter Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	403.59	39.61
		For True Union Socket Or Thread Type, Add	*92.61*	
		For Work In Restricted Working Space, Add	*59.42*	

23 05 23 00-0100 Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0101	EA	1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	98.88	18.44
		For Work In Restricted Working Space, Add	*16.11*	
		For Full Port, Add	*20.34*	
23 05 23 00-0102	EA	3/8" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	101.70	18.44
		For Work In Restricted Working Space, Add	*16.95*	
		For Full Port, Add	*20.34*	
23 05 23 00-0103	EA	1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	104.66	18.44
		For Work In Restricted Working Space, Add	*17.84*	
		For Full Port, Add	*20.34*	
23 05 23 00-0104	EA	3/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	128.07	20.28
		For Work In Restricted Working Space, Add	*24.05*	
		For Full Port, Add	*21.56*	
23 05 23 00-0105	EA	1" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	168.01	23.05
		For Work In Restricted Working Space, Add	*29.11*	
		For Full Port, Add	*31.94*	
23 05 23 00-0106	EA	1-1/4" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	220.05	24.52
		For Work In Restricted Working Space, Add	*36.87*	
		For Full Port, Add	*43.72*	
23 05 23 00-0107	EA	1-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	270.98	28.39
		For Work In Restricted Working Space, Add	*42.54*	
		For Full Port, Add	*58.13*	
23 05 23 00-0108	EA	2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	377.82	33.56
		For Work In Restricted Working Space, Add	*50.28*	
		For Full Port, Add	*94.60*	
23 05 23 00-0109	EA	2-1/2" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	736.51	45.32
		For Work In Restricted Working Space, Add	*67.90*	
		For Full Port, Add	*229.58*	
23 05 23 00-0110	EA	3" Diameter Threaded Or Sweated, 3-Way, 125 Lb., Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	1,071.28	52.62
		For Work In Restricted Working Space, Add	*78.35*	
		For Full Port, Add	*364.55*	

23 05 23 00-0111 Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0063)*

23 05 23 00-0112	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	181.84	12.29
23 05 23 00-0113	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	233.24	15.97
23 05 23 00-0114	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	300.63	19.67
23 05 23 00-0115	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	410.30	27.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0116	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	513.20	31.46
23 05 23 00-0117	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	677.35	36.87
23 05 23 00-0118		Plastic Ball Valves *(23 05 23 00-0063)* Note: Threaded or socket.		
23 05 23 00-0119		Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0118)*		
23 05 23 00-0120	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	74.99	12.29
23 05 23 00-0121	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	78.31	12.29
23 05 23 00-0122	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	99.30	13.52
23 05 23 00-0123	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	128.98	15.36
23 05 23 00-0124	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	153.66	16.35
23 05 23 00-0125	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	185.89	18.92
23 05 23 00-0126	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Liner And Seals, Polyvinyl Chloride (PVC) Ball Valve (George Fisher Type 346)	226.27	22.36
23 05 23 00-0127		Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valves *(23 05 23 00-0118)*		
23 05 23 00-0128	EA	3/8" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	111.49	12.29
23 05 23 00-0129	EA	1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	113.15	12.29
23 05 23 00-0130	EA	3/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	142.43	13.52
23 05 23 00-0131	EA	1" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	175.83	15.36
23 05 23 00-0132	EA	1-1/4" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	264.41	16.35
23 05 23 00-0133	EA	1-1/2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	293.60	18.92
23 05 23 00-0134	EA	2" Diameter, Viton Liner And Seals, Chlorinated Polyvinyl Chloride (CPVC) Ball Valve (George Fisher Type 346)	352.26	22.36
23 05 23 00-0135		Viton Liner And Seals, Polypropylene (PP) Ball Valves *(23 05 23 00-0118)*		
23 05 23 00-0136	EA	3/8" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	123.93	12.29
23 05 23 00-0137	EA	1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	133.88	12.29
23 05 23 00-0138	EA	3/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	154.04	13.52
23 05 23 00-0139	EA	1" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	189.10	15.36
23 05 23 00-0140	EA	1-1/4" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	237.87	16.35
23 05 23 00-0141	EA	1-1/2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	285.30	18.92
23 05 23 00-0142	EA	2" Diameter, Viton Liner And Seals, Polypropylene (PP) Ball Valve (George Fisher Type 346)	368.84	22.36
23 05 23 00-0143		Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valves *(23 05 23 00-0118)*		
23 05 23 00-0144	EA	3/8" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	246.68	12.29
23 05 23 00-0145	EA	1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	263.27	12.29
23 05 23 00-0146	EA	3/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	313.28	13.52
23 05 23 00-0147	EA	1" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	366.59	15.36
23 05 23 00-0148	EA	1-1/4" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	446.88	16.35
23 05 23 00-0149	EA	1-1/2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	492.65	18.92
23 05 23 00-0150	EA	2" Diameter, Viton Liner And Seals, Polyvinylidene Fluoride (PVDF) Ball Valve (George Fisher Type 346)	567.90	22.36
23 05 23 00-0151		Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valves *(23 05 23 00-0118)*		
23 05 23 00-0152	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	52.01	12.29
23 05 23 00-0153	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	69.69	13.52
23 05 23 00-0154	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	84.60	15.36
23 05 23 00-0155	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	117.11	16.35
23 05 23 00-0156	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	129.71	18.92
23 05 23 00-0157	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals And Teflon Seats, Polyvinyl Chloride (PVC) Ball Valve (Hayward QIC Compact)	158.09	22.36
23 05 23 00-0158		Plastic, True Union, Ball Valves *(23 05 23 00-0063)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0159		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valves** *(23 05 23 00-0158)* Note: Socket or NPT connectors.		
23 05 23 00-0160	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	120.61	12.29
23 05 23 00-0161	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	125.59	12.29
23 05 23 00-0162	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	152.38	13.52
23 05 23 00-0163	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	187.44	15.36
23 05 23 00-0164	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	226.26	16.35
23 05 23 00-0165	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	260.42	18.92
23 05 23 00-0166	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Vertical Ball Valve (George Fisher Type 343)	319.08	22.36
23 05 23 00-0167		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valves** *(23 05 23 00-0158)* Note: Socket or NPT connectors.		
23 05 23 00-0168	EA	3/8" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	122.27	12.29
23 05 23 00-0169	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	142.18	12.29
23 05 23 00-0170	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	154.04	13.52
23 05 23 00-0171	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	187.44	15.36
23 05 23 00-0172	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	222.94	16.35
23 05 23 00-0173	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	258.76	18.92
23 05 23 00-0174	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC) Or Chlorinated Polyvinyl Chloride (CPVC), True Union, Horizontal Ball Valve (George Fisher Type 343)	319.08	22.36
23 05 23 00-0175		**Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valves** *(23 05 23 00-0158)* Note: Socket or NPT connectors.		
23 05 23 00-0176	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	67.53	12.29
23 05 23 00-0177	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	86.86	13.52
23 05 23 00-0178	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	104.50	15.36
23 05 23 00-0179	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	137.51	16.35
23 05 23 00-0180	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	160.89	18.92
23 05 23 00-0181	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	219.55	22.36
23 05 23 00-0182	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	306.82	30.22
23 05 23 00-0183	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	386.43	35.08
23 05 23 00-0184	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Polyvinyl Chloride (PVC), True Union, Ball Valve (George Fisher Type 560)	546.40	39.61
23 05 23 00-0185		**Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valves** *(23 05 23 00-0158)* Note: Socket or NPT connectors.		
23 05 23 00-0186	EA	1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	79.14	12.29
23 05 23 00-0187	EA	3/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	103.44	13.52
23 05 23 00-0188	EA	1" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	127.72	15.36
23 05 23 00-0189	EA	1-1/4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	178.15	16.35
23 05 23 00-0190	EA	1-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	195.73	18.92
23 05 23 00-0191	EA	2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	251.07	22.36
23 05 23 00-0192	EA	2-1/2" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	432.89	30.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0193	EA	3" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	505.86	35.08
23 05 23 00-0194	EA	4" Diameter, Ethylene Propylene Diene Monomer (EPDM) Seals, Chlorinated Polyvinyl Chloride (CPVC), True Union, Ball Valve (George Fisher Type 560)	778.63	39.61
23 05 23 00-0195		Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0158)*		
23 05 23 00-0196		Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0195)*		
23 05 23 00-0197	EA	1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	65.23	12.29
23 05 23 00-0198	EA	3/8" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.11	12.29
23 05 23 00-0199	EA	1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.76	12.29
23 05 23 00-0200	EA	3/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	87.85	13.52
23 05 23 00-0201	EA	1" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	107.61	15.36
23 05 23 00-0202	EA	1-1/4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	130.95	16.35
23 05 23 00-0203	EA	1-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	157.50	18.92
23 05 23 00-0204	EA	2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	201.31	22.36
23 05 23 00-0205	EA	2-1/2" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	372.34	30.22
23 05 23 00-0206	EA	3" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	414.63	35.08
23 05 23 00-0207	EA	4" Diameter Socket, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	572.11	39.61
23 05 23 00-0208		Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valves *(23 05 23 00-0195)*		
23 05 23 00-0209	EA	1/4" Diameter Threaded Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	65.23	12.29
23 05 23 00-0210	EA	3/8" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	67.11	12.29
23 05 23 00-0211	EA	1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	68.76	12.29
23 05 23 00-0212	EA	3/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	87.85	13.52
23 05 23 00-0213	EA	1" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	107.61	15.36
23 05 23 00-0214	EA	1-1/4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	130.95	16.35
23 05 23 00-0215	EA	1-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	157.50	18.92
23 05 23 00-0216	EA	2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	201.31	22.36
23 05 23 00-0217	EA	2-1/2" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	372.34	30.22
23 05 23 00-0218	EA	3" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	414.63	35.08
23 05 23 00-0219	EA	4" Diameter Threaded, Viton Seal, Polyvinyl Chloride (PVC), True Union, Ball Valve	572.11	39.61
23 05 23 00-0220		Three Piece Ball Valves *(23 05 23 00-0063)*		
23 05 23 00-0221		Threaded Or Sweated, Bronze Body, Three Piece Ball Valves *(23 05 23 00-0220)*		
23 05 23 00-0222	EA	1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	103.86	12.29
		For Work In Restricted Working Space, Add	*10.74*	
23 05 23 00-0223	EA	3/8" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	105.74	12.29
		For Work In Restricted Working Space, Add	*11.30*	
23 05 23 00-0224	EA	1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	118.55	12.29
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0225	EA	3/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	150.26	13.52
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0226	EA	1" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	191.85	15.36
		For Work In Restricted Working Space, Add	*19.40*	
23 05 23 00-0227	EA	1-1/4" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	264.74	16.35
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0228	EA	1-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	331.19	18.92
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0229	EA	2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	540.52	22.36
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0230	EA	2-1/2" Diameter Threaded Or Sweated, Bronze Body, Three Piece Ball Valve	1,160.81	32.08
		For Work In Restricted Working Space, Add	*49.15*	
23 05 23 00-0231		Threaded, Carbon Steel Body, Three Piece Ball Valves *(23 05 23 00-0220)*		
23 05 23 00-0232	EA	1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	120.29	12.29
		For Work In Restricted Working Space, Add	*10.74*	
23 05 23 00-0233	EA	3/8" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	131.69	12.29
		For Work In Restricted Working Space, Add	*11.30*	
23 05 23 00-0234	EA	1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	139.74	12.29
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0235	EA	3/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	222.66	13.52
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0236	EA	1" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	284.37	15.36
		For Work In Restricted Working Space, Add	*19.40*	
23 05 23 00-0237	EA	1-1/4" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	430.12	16.35
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0238	EA	1-1/2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	546.98	18.92
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0239	EA	2" Diameter Threaded, Carbon Steel Body, Three Piece Ball Valve	710.99	22.36
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0240		Threaded, Stainless Steel Body, Three Piece Ball Valves *(23 05 23 00-0220)*		
23 05 23 00-0241	EA	1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	309.01	12.29
		For Work In Restricted Working Space, Add	*10.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0242	EA	3/8" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	331.24	12.29
		For Work In Restricted Working Space, Add	*11.30*	
23 05 23 00-0243	EA	1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	349.15	12.29
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0244	EA	3/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	506.45	13.52
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0245	EA	1" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	617.43	15.36
		For Work In Restricted Working Space, Add	*19.40*	
23 05 23 00-0246	EA	1-1/4" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	721.21	16.35
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0247	EA	1-1/2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	965.52	18.92
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0248	EA	2" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	1,256.42	22.36
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0249	EA	3" Diameter Threaded, Stainless Steel Body, Three Piece Ball Valve	3,301.76	38.10
		For Work In Restricted Working Space, Add	*56.72*	

23 05 23 00-0250 Globe Valves *(23 05 23)*

23 05 23 00-0251 Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valves *(23 05 23 00-0250)*

23 05 23 00-0252	EA	1/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	77.79	12.29
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*11.90*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 150 Lb. Rating, Add	*11.82*	
23 05 23 00-0253	EA	1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	73.93	12.29
		For 300 Lb. Rating, Add	*20.98*	
		For Work In Restricted Working Space, Add	*10.74*	
		For 200 Lb. Rating, Add	*14.49*	
		For 250 Lb. Rating, Add	*17.16*	
		For 150 Lb. Rating, Add	*11.82*	
23 05 23 00-0254	EA	3/8" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	94.60	12.29
		For 300 Lb. Rating, Add	*31.31*	
		For Work In Restricted Working Space, Add	*11.30*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 150 Lb. Rating, Add	*17.65*	
23 05 23 00-0255	EA	1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	96.58	12.29
		For 300 Lb. Rating, Add	*31.31*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*78.48*	
		For Work In Restricted Working Space, Add	*11.90*	
		For 200 Lb. Rating, Add	*21.63*	
		For 250 Lb. Rating, Add	*25.62*	
		For 150 Lb. Rating, Add	*17.65*	
23 05 23 00-0256	EA	3/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	115.15	12.90
		For 300 Lb. Rating, Add	*33.95*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*89.26*	
		For Work In Restricted Working Space, Add	*16.03*	
		For 200 Lb. Rating, Add	*23.45*	
		For 250 Lb. Rating, Add	*27.77*	
		For 150 Lb. Rating, Add	*19.13*	
23 05 23 00-0257	EA	1" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	148.10	12.90
		For 300 Lb. Rating, Add	*45.88*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*117.63*	
		For Work In Restricted Working Space, Add	*19.41*	
		For 200 Lb. Rating, Add	*31.70*	
		For 250 Lb. Rating, Add	*37.53*	
		For 150 Lb. Rating, Add	*25.86*	
23 05 23 00-0258	EA	1-1/4" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	226.00	16.35
		For 300 Lb. Rating, Add	*79.23*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*191.24*	
		For Work In Restricted Working Space, Add	*24.58*	
		For 200 Lb. Rating, Add	*54.74*	
		For 250 Lb. Rating, Add	*64.83*	
		For 150 Lb. Rating, Add	*44.66*	
23 05 23 00-0259	EA	1-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	300.43	18.92
		For 300 Lb. Rating, Add	*113.24*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*264.30*	
		For Work In Restricted Working Space, Add	*28.36*	
		For 200 Lb. Rating, Add	*78.24*	
		For 250 Lb. Rating, Add	*92.65*	
		For 150 Lb. Rating, Add	*63.83*	
23 05 23 00-0260	EA	2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	353.77	22.36
		For 300 Lb. Rating, Add	*133.12*	
		For 600 Lb. Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*310.94*	
		For Work In Restricted Working Space, Add	*33.52*	
		For 200 Lb. Rating, Add	*91.98*	
		For 250 Lb. Rating, Add	*108.92*	
		For 150 Lb. Rating, Add	*75.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0261	EA	2-1/2" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	394.92	30.22
		For 300 Lb. Rating, Add	*134.22*	
		For Work In Restricted Working Space, Add	*45.27*	
		For 200 Lb. Rating, Add	*92.73*	
		For 250 Lb. Rating, Add	*109.81*	
		For 150 Lb. Rating, Add	*75.65*	
23 05 23 00-0262	EA	3" Diameter, Threaded Or Sweated, 125 Lb., Bronze Body, Globe Valve	720.82	35.08
		For 300 Lb. Rating, Add	*300.70*	
		For Work In Restricted Working Space, Add	*52.23*	
		For 200 Lb. Rating, Add	*207.75*	
		For 250 Lb. Rating, Add	*246.02*	
		For 150 Lb. Rating, Add	*169.48*	
23 05 23 00-0263		Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0250)*		
23 05 23 00-0264	EA	2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	536.98	22.36
		For Chain Operated Type, Add	*355.08*	
		For 300 Lb. Rating, Add	*233.89*	
		For Work In Restricted Working Space, Add	*33.52*	
		For 200 Lb. Rating, Add	*161.60*	
		For 250 Lb. Rating, Add	*191.36*	
		For 150 Lb. Rating, Add	*131.83*	
23 05 23 00-0265	EA	2-1/2" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	666.34	30.22
		For Chain Operated Type, Add	*430.40*	
		For 300 Lb. Rating, Add	*283.50*	
		For Work In Restricted Working Space, Add	*45.27*	
		For 200 Lb. Rating, Add	*195.87*	
		For 250 Lb. Rating, Add	*231.95*	
		For 150 Lb. Rating, Add	*159.79*	
23 05 23 00-0266	EA	3" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	792.64	35.08
		For Chain Operated Type, Add	*516.48*	
		For 300 Lb. Rating, Add	*340.20*	
		For Work In Restricted Working Space, Add	*52.23*	
		For 200 Lb. Rating, Add	*235.05*	
		For 250 Lb. Rating, Add	*278.34*	
		For 150 Lb. Rating, Add	*191.75*	
23 05 23 00-0267	EA	4" Diameter Threaded, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,022.71	39.61
		For Chain Operated Type, Add	*688.64*	
		For 300 Lb. Rating, Add	*453.60*	
		For Work In Restricted Working Space, Add	*59.40*	
		For 200 Lb. Rating, Add	*313.39*	
		For 250 Lb. Rating, Add	*371.12*	
		For 150 Lb. Rating, Add	*255.66*	
23 05 23 00-0268		Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0250)*		
23 05 23 00-0269	EA	2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	725.67	163.83
		For 150 Lb. Rating, Add	*161.46*	
		For 250 Lb. Rating, Add	*234.38*	
		For Chain Operated Type, Add	*260.42*	
		For Work In Restricted Working Space, Add	*61.45*	
23 05 23 00-0270	EA	2-1/2" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	840.69	164.09
		For 150 Lb. Rating, Add	*196.83*	
		For 250 Lb. Rating, Add	*285.72*	
		For Chain Operated Type, Add	*317.47*	
		For Work In Restricted Working Space, Add	*61.73*	
23 05 23 00-0271	EA	3" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,002.70	192.39
		For 150 Lb. Rating, Add	*236.20*	
		For 250 Lb. Rating, Add	*342.86*	
		For Chain Operated Type, Add	*380.96*	
		For Work In Restricted Working Space, Add	*72.23*	
23 05 23 00-0272	EA	4" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,420.07	322.53
		For 150 Lb. Rating, Add	*314.93*	
		For 250 Lb. Rating, Add	*457.15*	
		For Chain Operated Type, Add	*507.95*	
		For Work In Restricted Working Space, Add	*121.25*	
23 05 23 00-0273	EA	5" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	1,846.77	347.77
		For 150 Lb. Rating, Add	*437.94*	
		For 250 Lb. Rating, Add	*635.72*	
		For Chain Operated Type, Add	*706.36*	
		For Work In Restricted Working Space, Add	*130.22*	
23 05 23 00-0274	EA	6" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	2,270.50	386.42
		For 150 Lb. Rating, Add	*553.58*	
		For 250 Lb. Rating, Add	*803.58*	
		For Chain Operated Type, Add	*892.87*	
		For Work In Restricted Working Space, Add	*145.43*	
23 05 23 00-0275	EA	8" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	3,359.43	493.76
		For 150 Lb. Rating, Add	*851.28*	
		For 250 Lb. Rating, Add	*1,235.73*	
		For Chain Operated Type, Add	*1,373.04*	
		For Work In Restricted Working Space, Add	*184.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0276	EA	10" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	4,933.96	601.09
		For 150 Lb. Rating, Add	*1,296.61*	
		For 250 Lb. Rating, Add	*1,882.17*	
		For Chain Operated Type, Add	*2,091.30*	
		For Work In Restricted Working Space, Add	*225.41*	
23 05 23 00-0277	EA	12" Diameter Flanged, 125 Lb., Outside Stem And Yoke, Iron Body, Globe Valve	8,825.36	729.89
		For 150 Lb. Rating, Add	*2,453.53*	
		For 250 Lb. Rating, Add	*3,561.58*	
		For Chain Operated Type, Add	*3,957.31*	
		For Work In Restricted Working Space, Add	*273.22*	
23 05 23 00-0278		**Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valves** *(23 05 23 00-0250)*		
23 05 23 00-0279	EA	1/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	68.54	12.29
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For Work In Restricted Working Space, Add	*11.90*	
		For 300 Lb. Rating, Add	*15.89*	
23 05 23 00-0280	EA	1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	64.68	12.29
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For Work In Restricted Working Space, Add	*10.74*	
		For 300 Lb. Rating, Add	*15.89*	
23 05 23 00-0281	EA	3/8" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	66.56	12.29
		For 150 Lb. Rating, Add	*8.96*	
		For 200 Lb. Rating, Add	*10.98*	
		For Work In Restricted Working Space, Add	*11.30*	
		For 300 Lb. Rating, Add	*15.89*	
23 05 23 00-0282	EA	1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	70.47	12.29
		For 150 Lb. Rating, Add	*9.55*	
		For 200 Lb. Rating, Add	*11.71*	
		For Work In Restricted Working Space, Add	*11.90*	
		For 300 Lb. Rating, Add	*16.95*	
23 05 23 00-0283	EA	3/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	96.17	12.90
		For 150 Lb. Rating, Add	*13.25*	
		For 200 Lb. Rating, Add	*16.24*	
		For Work In Restricted Working Space, Add	*16.03*	
		For 300 Lb. Rating, Add	*23.51*	
23 05 23 00-0284	EA	1" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	120.77	12.90
		For 150 Lb. Rating, Add	*17.38*	
		For 200 Lb. Rating, Add	*21.31*	
		For Work In Restricted Working Space, Add	*19.41*	
		For 300 Lb. Rating, Add	*30.84*	
23 05 23 00-0285	EA	1-1/4" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	165.25	16.35
		For 150 Lb. Rating, Add	*25.83*	
		For 200 Lb. Rating, Add	*31.66*	
		For Work In Restricted Working Space, Add	*24.58*	
		For 300 Lb. Rating, Add	*45.82*	
23 05 23 00-0286	EA	1-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	191.67	18.92
		For 150 Lb. Rating, Add	*30.11*	
		For 200 Lb. Rating, Add	*36.91*	
		For Work In Restricted Working Space, Add	*28.36*	
		For 300 Lb. Rating, Add	*53.42*	
23 05 23 00-0287	EA	2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	258.02	22.36
		For 150 Lb. Rating, Add	*45.35*	
		For 200 Lb. Rating, Add	*55.59*	
		For Work In Restricted Working Space, Add	*33.52*	
		For 300 Lb. Rating, Add	*80.46*	
23 05 23 00-0288	EA	2-1/2" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	427.76	32.81
		For 150 Lb. Rating, Add	*81.81*	
		For 200 Lb. Rating, Add	*100.28*	
		For Work In Restricted Working Space, Add	*49.16*	
		For 300 Lb. Rating, Add	*145.14*	
23 05 23 00-0289	EA	3" Diameter Threaded Or Sweated, 125 Lb., Bronze Body, Angle Globe Valve	635.98	38.10
		For 150 Lb. Rating, Add	*138.54*	
		For 200 Lb. Rating, Add	*169.82*	
		For Work In Restricted Working Space, Add	*56.72*	
		For 300 Lb. Rating, Add	*245.80*	
23 05 23 00-0290		**Flanged, 125 Lb., Iron Body, Angle Globe Valves** *(23 05 23 00-0250)*		
23 05 23 00-0291	EA	2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,544.86	163.83
		For Work In Restricted Working Space, Add	*61.45*	
		For Chain Operated Type, Add	*522.61*	
		For 250 Lb. Rating, Add	*804.02*	
23 05 23 00-0292	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	1,790.58	164.09
		For Work In Restricted Working Space, Add	*61.73*	
		For Chain Operated Type, Add	*618.08*	
		For 250 Lb. Rating, Add	*950.89*	
23 05 23 00-0293	EA	3" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	2,108.37	192.39
		For Work In Restricted Working Space, Add	*72.23*	
		For Chain Operated Type, Add	*728.36*	
		For 250 Lb. Rating, Add	*1,120.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0294	EA	4" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	3,071.63	322.53
		For Work In Restricted Working Space, Add	*121.25*	
		For Chain Operated Type, Add	*1,040.31*	
		For 250 Lb. Rating, Add	*1,600.47*	
23 05 23 00-0295	EA	5" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,214.63	347.77
		For Work In Restricted Working Space, Add	*130.22*	
		For Chain Operated Type, Add	*1,864.43*	
		For 250 Lb. Rating, Add	*2,868.35*	
23 05 23 00-0296	EA	6" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	5,265.34	386.42
		For Work In Restricted Working Space, Add	*145.43*	
		For Chain Operated Type, Add	*1,864.43*	
		For 250 Lb. Rating, Add	*2,868.35*	
23 05 23 00-0297	EA	8" Diameter Flanged, 125 Lb., Iron Body, Angle Globe Valve	9,969.90	493.76
		For Work In Restricted Working Space, Add	*184.01*	
		For Chain Operated Type, Add	*3,649.05*	
		For 250 Lb. Rating, Add	*5,613.92*	
23 05 23 00-0298		Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0250)*		
		Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0299	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	220.60	19.91
		For Work In Restricted Working Space, Add	*10.74*	
23 05 23 00-0300	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	224.46	19.91
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0301	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	263.68	26.79
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0302	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	325.80	32.32
		For Work In Restricted Working Space, Add	*19.41*	
23 05 23 00-0303	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	529.56	40.92
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0304	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	635.42	47.31
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0305	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	808.60	55.92
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0306		Triple Duty Valves *(23 05 23)*		
		Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
23 05 23 00-0307		Straight Pattern, Triple Duty Valves *(23 05 23 00-0306)*		
		Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0308	EA	1" Diameter Threaded, Straight Pattern, Triple Duty Valve	322.21	12.90
23 05 23 00-0309	EA	1-1/4" Diameter Threaded, Straight Pattern, Triple Duty Valve	373.43	16.35
23 05 23 00-0310	EA	1-1/2" Diameter Threaded, Straight Pattern, Triple Duty Valve	405.53	18.92
23 05 23 00-0311	EA	2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,050.41	163.83
23 05 23 00-0312	EA	2-1/2" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,182.55	164.09
23 05 23 00-0313	EA	3" Diameter Flanged, Straight Pattern, Triple Duty Valve	1,295.32	192.39
23 05 23 00-0314	EA	4" Diameter Flanged, Straight Pattern, Triple Duty Valve	2,649.33	322.53
23 05 23 00-0315	EA	5" Diameter Flanged, Straight Pattern Triple Duty Valve	3,082.55	347.77
23 05 23 00-0316	EA	6" Diameter Flanged, Straight Pattern, Triple Duty Valve	4,100.33	386.42
23 05 23 00-0317	EA	8" Diameter Flanged, Straight Pattern, Triple Duty Valve	5,521.60	493.76
23 05 23 00-0318	EA	10" Diameter Flanged, Straight Pattern, Triple Duty Valve	8,857.24	601.09
23 05 23 00-0319		Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0306)*		
		Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0320	EA	2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,026.11	163.83
23 05 23 00-0321	EA	2-1/2" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,153.39	164.09
23 05 23 00-0322	EA	3" Diameter Flanged, Angle Pattern, Triple Duty Valve	1,271.02	192.39
23 05 23 00-0323	EA	4" Diameter Flanged, Angle Pattern, Triple Duty Valve	2,586.16	322.53
23 05 23 00-0324	EA	5" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,004.80	347.77
23 05 23 00-0325	EA	6" Diameter Flanged, Angle Pattern, Triple Duty Valve	3,371.39	386.42
23 05 23 00-0326	EA	8" Diameter Flanged, Angle Pattern, Triple Duty Valve	5,176.56	493.76
23 05 23 00-0327	EA	10" Diameter Flanged, Angle Pattern, Triple Duty Valve	6,918.24	601.09
23 05 23 00-0328		Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0306)*		
		Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0329	EA	3" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,188.41	192.39
23 05 23 00-0330	EA	4" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,367.47	322.53
23 05 23 00-0331	EA	5" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,756.96	347.77
23 05 23 00-0332	EA	6" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,658.10	386.42
23 05 23 00-0333	EA	8" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	4,919.00	493.76
23 05 23 00-0334	EA	10" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	7,851.29	601.09
23 05 23 00-0335	EA	12" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,815.96	729.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0336	EA	14" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	14,361.45	858.70
23 05 23 00-0337	EA	16" Diameter Flanged, Balanced, Straight Pattern, Triple Duty Valve	17,991.19	944.58
23 05 23 00-0338		**Grooved Straight Pattern, Triple Duty Valves** *(23 05 23 00-0306)*		
		Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0339	EA	2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,113.98	30.36
23 05 23 00-0340	EA	2-1/2" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,327.89	36.21
23 05 23 00-0341	EA	3" Diameter Grooved, Straight Pattern, Triple Duty Valve	1,545.90	39.27
23 05 23 00-0342	EA	4" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,566.65	42.32
23 05 23 00-0343	EA	5" Diameter Grooved, Straight Pattern, Triple Duty Valve	2,973.07	54.74
23 05 23 00-0344	EA	6" Diameter Grooved, Straight Pattern Triple Duty Valve	3,963.74	70.20
23 05 23 00-0345	EA	8" Diameter Grooved, Straight Pattern Triple Duty Valve	5,391.23	89.09
23 05 23 00-0346	EA	10" Diameter Grooved, Straight Pattern Triple Duty Valve	8,508.86	99.82
23 05 23 00-0347	EA	12" Diameter Grooved, Straight Pattern Triple Duty Valve	13,511.06	121.72
23 05 23 00-0348		**Plug Valves** *(23 05 23)*		
23 05 23 00-0349		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0348)*		
		Note: Includes wrench.		
23 05 23 00-0350	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	309.98	12.29
23 05 23 00-0351	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	323.76	13.52
23 05 23 00-0352	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	409.49	15.36
23 05 23 00-0353	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	490.19	16.35
23 05 23 00-0354	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	538.65	18.92
23 05 23 00-0355	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	635.83	22.36
23 05 23 00-0356	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	953.59	30.22
23 05 23 00-0357	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,167.13	35.08
23 05 23 00-0358		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0348)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0359	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	761.02	163.83
23 05 23 00-0360	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	938.40	164.09
23 05 23 00-0361	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,161.37	192.39
23 05 23 00-0362	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,650.82	322.53
23 05 23 00-0363	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	3,810.40	386.42
23 05 23 00-0364	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,604.88	493.76
23 05 23 00-0365	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	10,735.95	601.09
23 05 23 00-0366	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	16,065.99	729.89
23 05 23 00-0367		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0348)*		
23 05 23 00-0368	EA	1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,195.93	12.29
23 05 23 00-0369	EA	3/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,412.88	13.52
23 05 23 00-0370	EA	1" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,597.20	15.36
23 05 23 00-0371	EA	1-1/4" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	1,916.27	16.35
23 05 23 00-0372	EA	1-1/2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,231.53	18.92
23 05 23 00-0373	EA	2" Diameter Threaded, 1,500 Lb., Forged Steel, Plug Valve	2,935.97	22.36
23 05 23 00-0374		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0348)*		
23 05 23 00-0375	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,216.18	322.53
23 05 23 00-0376	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,877.13	386.42
23 05 23 00-0377	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,554.18	493.76
23 05 23 00-0378	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,623.98	601.09
23 05 23 00-0379	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	4,680.54	729.89
23 05 23 00-0380		**Foot Valves** *(23 05 23)*		
23 05 23 00-0381		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0380)*		
23 05 23 00-0382	EA	1" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	101.47	30.74
23 05 23 00-0383	EA	1-1/4" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	115.43	34.42
23 05 23 00-0384	EA	1-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	148.16	39.34
23 05 23 00-0385	EA	2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	195.16	44.26
23 05 23 00-0386	EA	2-1/2" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	445.91	72.53
23 05 23 00-0387	EA	3" Diameter, Single Poppet Foot Valve, Metal To Metal Seat Construction	570.27	88.52
23 05 23 00-0388		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0380)*		
23 05 23 00-0389	EA	1" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	101.47	30.74
23 05 23 00-0390	EA	1-1/4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	218.21	34.42
23 05 23 00-0391	EA	1-1/2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	207.45	39.34
23 05 23 00-0392	EA	2" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	282.08	44.26
23 05 23 00-0393	EA	3" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	553.68	72.53
23 05 23 00-0394	EA	4" Diameter, Double Poppet Foot Valve, Metal To Metal Seat Construction	753.14	87.30
23 05 23 00-0395		**Float Valves** *(23 05 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0396		Float Valve Assembly For Maintaining Liquid Level In Tanks *(23 05 23 00-0395)*		
23 05 23 00-0397		Single Seat, Bronze Construction *(23 05 23 00-0396)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0398	EA	1/2" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	237.44	25.81
23 05 23 00-0399	EA	3/4" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	272.13	30.73
23 05 23 00-0400	EA	1" Diameter Inlet Size, Maximum PSI 100, Single Seat Float Valve	353.34	33.18
23 05 23 00-0401	EA	1-1/4" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	590.02	41.79
23 05 23 00-0402	EA	1-1/2" Diameter Inlet Size, Maximum PSI 90, Single Seat Float Valve	602.31	47.93
23 05 23 00-0403		Double Seat, Bronze Construction *(23 05 23 00-0396)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0404	EA	1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,277.78	25.81
23 05 23 00-0405	EA	3/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,287.61	30.73
23 05 23 00-0406	EA	1" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,486.37	33.18
23 05 23 00-0407	EA	1-1/4" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,642.90	41.79
23 05 23 00-0408	EA	1-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	1,878.13	47.93
23 05 23 00-0409	EA	2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,463.83	56.53
23 05 23 00-0410	EA	2-1/2" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	2,864.79	75.82
23 05 23 00-0411	EA	3" Diameter Pipe Size, Maximum PSI 150, Double Seat Float Valve	3,445.89	87.14
23 05 23 00-0412		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0395)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0413		Brass Body Threaded Ends *(23 05 23 00-0412)*		
23 05 23 00-0414	EA	1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	250.38	33.30
23 05 23 00-0415	EA	3/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	283.07	36.99
23 05 23 00-0416	EA	1" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	350.62	40.92
23 05 23 00-0417	EA	1-1/4" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	560.44	66.12
23 05 23 00-0418	EA	1-1/2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	586.98	75.34
23 05 23 00-0419	EA	2" Diameter, Brass Body, Threaded Ends, Single Seated With Arm Ball And Bracket, Float Valve	660.88	93.40
23 05 23 00-0420		Cast Iron Body Flanged *(23 05 23 00-0412)*		
23 05 23 00-0421	EA	2-1/2" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	8,041.44	164.09
23 05 23 00-0422	EA	3" Diameter, Cast Iron Body, Flanged, Single Seated With Arm Ball And Bracket, Float Valve	9,723.45	192.39
23 05 23 00-0423		Float Operated Valves *(23 05 23 00-0395)*		
23 05 23 00-0424		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0423)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0425	EA	1" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	895.65	57.76
23 05 23 00-0426		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0423)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0427	EA	3/4" Diameter Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,126.82	107.51
23 05 23 00-0428		Needle Valves *(23 05 23)*		
23 05 23 00-0429		Bronze Needle Valve *(23 05 23 00-0428)*		
		Note: For heating and cooling applications.		
23 05 23 00-0430	EA	1/4" Diameter, Bronze, Needle Valve	123.63	12.29
23 05 23 00-0431	EA	3/8" Diameter, Bronze, Needle Valve	137.88	12.29
23 05 23 00-0432	EA	1/2" Diameter, Bronze, Needle Valve	150.84	12.29
23 05 23 00-0433	EA	3/4" Diameter, Bronze, Needle Valve	229.05	13.52
23 05 23 00-0434	EA	1" Diameter, Bronze, Needle Valve	351.16	15.36
23 05 23 00-0435		Eccentric Valves With Taps *(23 05 23)*		
23 05 23 00-0436		Screwed Eccentric Valves With Taps *(23 05 23 00-0435)*		
23 05 23 00-0437	EA	1/2" Diameter Threaded, Eccentric Valves With Taps	313.01	12.29
23 05 23 00-0438	EA	3/4" Diameter Threaded, Eccentric Valves With Taps	331.00	13.52
23 05 23 00-0439	EA	1" Diameter Threaded, Eccentric Valves With Taps	417.96	15.36
23 05 23 00-0440	EA	1-1/4" Diameter Threaded, Eccentric Valves With Taps	506.71	16.35
23 05 23 00-0441	EA	1-1/2" Diameter Threaded, Eccentric Valves With Taps	552.95	18.92
23 05 23 00-0442	EA	2" Diameter Threaded, Eccentric Valves With Taps	650.05	22.36
23 05 23 00-0443	EA	2-1/2" Diameter Threaded, Eccentric Valves With Taps	983.60	30.22
23 05 23 00-0444	EA	3" Diameter Threaded, Eccentric Valves With Taps	1,196.06	35.08
23 05 23 00-0445		Flanged Eccentric Valves With Taps *(23 05 23 00-0435)*		
23 05 23 00-0446	EA	2-1/2" Diameter Flanged, Eccentric Valves With Taps	1,194.08	164.09
23 05 23 00-0447	EA	3" Diameter Flanged, Eccentric Valves With Taps	1,418.35	192.39
23 05 23 00-0448	EA	4" Diameter Flanged, Eccentric Valves With Taps	1,897.17	322.53
23 05 23 00-0449	EA	5" Diameter Flanged, Eccentric Valves With Taps	2,536.85	347.77
23 05 23 00-0450	EA	6" Diameter Flanged, Eccentric Valves With Taps	3,218.40	386.42

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0451	EA	8" Diameter Flanged, Eccentric Valves With Taps	5,554.94	493.76
23 05 23 00-0452	EA	10" Diameter Flanged, Eccentric Valves With Taps	7,795.74	601.09
23 05 23 00-0453	EA	12" Diameter Flanged, Eccentric Valves With Taps	13,422.40	729.89

23 05 23 00-0454 Emergency Shut-Off Valve With Fusible Link *(23 05 23)*

23 05 23 00-0455 Threaded, Fusible Brass Gate Valves (Morrison Bros. 939) *(23 05 23 00-0454)*

Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165º F.

23 05 23 00-0456	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	93.96	19.79
		For Work In Restricted Working Space, Add	*10.74*	
23 05 23 00-0457	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	95.89	20.89
		For Work In Restricted Working Space, Add	*11.32*	
23 05 23 00-0458	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	159.36	19.79
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0459	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	319.24	26.67
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0460	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	818.27	32.32
		For Work In Restricted Working Space, Add	*19.41*	

23 05 23 00-0461 Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)*

Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.

23 05 23 00-0462	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	615.06	18.92
23 05 23 00-0463	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	661.60	22.36
23 05 23 00-0464	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,113.89	35.08

23 05 23 00-0465 Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI) *(23 05 23 00-0454)*

Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.

23 05 23 00-0466	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	763.09	163.83
23 05 23 00-0467	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	1,241.27	192.39
23 05 23 00-0468	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,836.70	322.53

23 05 23 00-0469 Check Valves *(23 05 23)*

23 05 23 00-0470 Iron Body Wafer Type Check Valve *(23 05 23 00-0469)*

23 05 23 00-0471 Single Disk Type *(23 05 23 00-0470)*

23 05 23 00-0472	EA	2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	488.41	163.89
		For 300 Lb. Rating, Add	*85.05*	
		For 150 Lb. Rating, Add	*59.54*	
		For 200 Lb. Rating, Add	*70.88*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*168.56*	
23 05 23 00-0473	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	577.30	164.18
		For 300 Lb. Rating, Add	*111.43*	
		For 150 Lb. Rating, Add	*78.00*	
		For 200 Lb. Rating, Add	*92.86*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*208.32*	
23 05 23 00-0474	EA	3" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	710.40	192.49
		For 300 Lb. Rating, Add	*140.85*	
		For 150 Lb. Rating, Add	*98.60*	
		For 200 Lb. Rating, Add	*117.38*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*259.46*	
23 05 23 00-0475	EA	4" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,040.29	322.70
		For 300 Lb. Rating, Add	*190.77*	
		For 150 Lb. Rating, Add	*133.54*	
		For 200 Lb. Rating, Add	*158.98*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*367.03*	
23 05 23 00-0476	EA	6" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	1,562.17	452.91
		For 300 Lb. Rating, Add	*298.81*	
		For 150 Lb. Rating, Add	*209.17*	
		For 200 Lb. Rating, Add	*249.01*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*561.44*	
23 05 23 00-0477	EA	8" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	2,177.24	520.84
		For 300 Lb. Rating, Add	*458.56*	
		For 150 Lb. Rating, Add	*320.99*	
		For 200 Lb. Rating, Add	*382.14*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*817.58*	
23 05 23 00-0478	EA	10" Diameter, Wafer Type, 125 Lb., Single Disc Type, Iron Body, Check Valve	3,239.77	634.07
		For 300 Lb. Rating, Add	*732.41*	
		For 150 Lb. Rating, Add	*512.69*	
		For 200 Lb. Rating, Add	*610.35*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,258.30*	

23 05 23 00-0479 Twin Disc Type *(23 05 23 00-0470)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0480	EA	2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valvev	683.55	163.89
		For 300 Lb. Rating, Add	*143.59*	
		For 150 Lb. Rating, Add	*100.51*	
		For 200 Lb. Rating, Add	*119.66*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*256.37*	
23 05 23 00-0481	EA	2-1/2" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	780.29	164.18
		For 300 Lb. Rating, Add	*172.33*	
		For 150 Lb. Rating, Add	*120.63*	
		For 200 Lb. Rating, Add	*143.61*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*299.67*	
23 05 23 00-0482	EA	3" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	911.12	192.49
		For 300 Lb. Rating, Add	*201.07*	
		For 150 Lb. Rating, Add	*140.75*	
		For 200 Lb. Rating, Add	*167.56*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*349.78*	
23 05 23 00-0483	EA	4" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,255.52	322.70
		For 300 Lb. Rating, Add	*255.34*	
		For 150 Lb. Rating, Add	*178.74*	
		For 200 Lb. Rating, Add	*212.78*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*463.89*	
23 05 23 00-0484	EA	6" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	1,938.61	452.91
		For 300 Lb. Rating, Add	*411.74*	
		For 150 Lb. Rating, Add	*288.22*	
		For 200 Lb. Rating, Add	*343.12*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*730.84*	
23 05 23 00-0485	EA	8" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	2,743.02	520.84
		For 300 Lb. Rating, Add	*628.80*	
		For 150 Lb. Rating, Add	*440.16*	
		For 200 Lb. Rating, Add	*524.00*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,072.61*	
23 05 23 00-0486	EA	10" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	4,112.34	622.74
		For 300 Lb. Rating, Add	*995.83*	
		For 150 Lb. Rating, Add	*697.08*	
		For 200 Lb. Rating, Add	*829.86*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*1,652.33*	
23 05 23 00-0487	EA	12" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	5,406.87	769.94
		For 300 Lb. Rating, Add	*1,334.20*	
		For 150 Lb. Rating, Add	*933.94*	
		For 200 Lb. Rating, Add	*1,111.83*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*2,193.20*	
23 05 23 00-0488	EA	14" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	10,251.54	906.07
		For 300 Lb. Rating, Add	*2,713.04*	
		For 150 Lb. Rating, Add	*1,899.12*	
		For 200 Lb. Rating, Add	*2,260.86*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*4,311.17*	
23 05 23 00-0489	EA	16" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	14,096.15	1,063.12
		For 300 Lb. Rating, Add	*3,830.18*	
		For 150 Lb. Rating, Add	*2,681.12*	
		For 200 Lb. Rating, Add	*3,191.81*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*6,011.04*	
23 05 23 00-0490	EA	18" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	18,811.21	1,183.93
		For 300 Lb. Rating, Add	*5,200.40*	
		For 150 Lb. Rating, Add	*3,640.28*	
		For 200 Lb. Rating, Add	*4,333.67*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*8,095.91*	
23 05 23 00-0491	EA	20" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	22,391.23	1,328.90
		For 300 Lb. Rating, Add	*6,219.03*	
		For 150 Lb. Rating, Add	*4,353.32*	
		For 200 Lb. Rating, Add	*5,182.53*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*9,660.77*	
23 05 23 00-0492	EA	24" Diameter, Wafer Type, 125 Lb., Twin Disc Type, Iron Body, Check Valve	29,283.11	1,630.91
		For 300 Lb. Rating, Add	*8,171.60*	
		For 150 Lb. Rating, Add	*5,720.12*	
		For 200 Lb. Rating, Add	*6,809.66*	
		For 300 Lb. Rating, Cast Steel, Weld End, Wedge, Add	*12,666.28*	

23 05 23 00-0493 Lift Check Valves *(23 05 23 00-0469)*

23 05 23 00-0494 Bronze Body, Threaded, Vertical Lift Check Valves *(23 05 23 00-0493)*

Note: Watts #600 series.

23 05 23 00-0495	EA	3/8" Diameter Threaded, Bronze, Lift Check Valve	127.20	12.29
23 05 23 00-0496	EA	1/2" Diameter Threaded, Bronze, Lift Check Valve	134.60	12.29
23 05 23 00-0497	EA	3/4" Diameter Threaded, Bronze, Lift Check Valve	171.68	12.90
23 05 23 00-0498	EA	1" Diameter Threaded, Bronze, Lift Check Valve	226.08	12.90
23 05 23 00-0499	EA	1-1/4" Diameter Threaded, Bronze, Lift Check Valve	313.27	16.35
23 05 23 00-0500	EA	1-1/2" Diameter Threaded, Bronze, Lift Check Valve	380.97	18.92
23 05 23 00-0501	EA	2" Diameter Threaded, Bronze, Lift Check Valve	542.40	22.36

23 05 23 00-0502 Bronze Body, Threaded, 300 Lb., Lift Check Valves *(23 05 23 00-0493)*

Note: Crane 366E.

23 05 23 00-0503	EA	1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	783.32	12.29
23 05 23 00-0504	EA	3/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	951.61	12.90
23 05 23 00-0505	EA	1" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	1,706.58	12.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0506	EA	1-1/4" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,274.34	16.35
23 05 23 00-0507	EA	1-1/2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	2,470.46	18.92
23 05 23 00-0508	EA	2" Diameter Threaded, 300 Lb., Bronze, Lift Check Valve	3,173.32	22.36
23 05 23 00-0509		Iron Body, Flanged, 125 Lb. Vertical Lift Check Valves *(23 05 23 00-0493)*		
		Note: Mueller 105MAP.		
23 05 23 00-0510	EA	2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	1,147.55	163.83
23 05 23 00-0511	EA	2-1/2" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,130.41	164.09
23 05 23 00-0512	EA	3" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	2,316.00	192.39
23 05 23 00-0513	EA	4" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	3,192.96	322.53
23 05 23 00-0514	EA	5" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	4,021.49	347.77
23 05 23 00-0515	EA	6" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	4,978.89	386.42
23 05 23 00-0516	EA	8" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	8,838.95	493.76
23 05 23 00-0517	EA	10" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	11,107.82	601.09
23 05 23 00-0518	EA	12" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	18,140.95	729.89
23 05 23 00-0519	EA	14" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	24,772.29	1,037.42
23 05 23 00-0520	EA	16" Diameter Flanged, 125 Lb., Iron Body, Lift Check Valve	27,455.06	1,141.16
23 05 23 00-0521		Bronze Body Swing Check Valves *(23 05 23 00-0469)*		
23 05 23 00-0522		Bronze Body, Threaded, Brazed Or Soldered Installation, 125 Lb., Swing Check Valves *(23 05 23 00-0521)*		
23 05 23 00-0523	EA	1/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	86.65	12.29
		For Work In Restricted Working Space, Add	*11.90*	
		For 300 Lb. Rating, Add	*18.33*	
23 05 23 00-0524	EA	1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	82.79	12.29
		For Work In Restricted Working Space, Add	*10.74*	
		For 300 Lb. Rating, Add	*18.33*	
23 05 23 00-0525	EA	3/8" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	84.67	12.29
		For Work In Restricted Working Space, Add	*11.30*	
		For 300 Lb. Rating, Add	*18.33*	
23 05 23 00-0526	EA	1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	88.49	12.29
		For Work In Restricted Working Space, Add	*11.90*	
		For 300 Lb. Rating, Add	*19.05*	
23 05 23 00-0527	EA	3/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	112.61	12.90
		For Work In Restricted Working Space, Add	*16.03*	
		For 300 Lb. Rating, Add	*23.08*	
23 05 23 00-0528	EA	1" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	145.05	12.90
		For Work In Restricted Working Space, Add	*19.41*	
		For 300 Lb. Rating, Add	*31.34*	
23 05 23 00-0529	EA	1-1/4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	194.74	16.35
		For Work In Restricted Working Space, Add	*24.58*	
		For 300 Lb. Rating, Add	*43.99*	
23 05 23 00-0530	EA	1-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	252.51	18.92
		For Work In Restricted Working Space, Add	*28.36*	
		For 300 Lb. Rating, Add	*61.61*	
23 05 23 00-0531	EA	2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	314.82	22.36
		For Work In Restricted Working Space, Add	*33.52*	
		For 300 Lb. Rating, Add	*79.21*	
23 05 23 00-0532	EA	2-1/2" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	617.76	30.22
		For Work In Restricted Working Space, Add	*45.27*	
		For 300 Lb. Rating, Add	*182.08*	
23 05 23 00-0533	EA	3" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	838.11	35.08
		For Work In Restricted Working Space, Add	*52.23*	
		For 300 Lb. Rating, Add	*258.96*	
23 05 23 00-0534	EA	4" Diameter Threaded, Brazed Or Soldered, 125 Lb., Bronze, Swing Check Valve	949.45	39.61
		For Work In Restricted Working Space, Add	*59.42*	
		For 300 Lb. Rating, Add	*293.05*	
23 05 23 00-0535		125 Lb. Flanged, Iron Body, Bronze Trim, Swing Check Valves *(23 05 23 00-0469)*		
23 05 23 00-0536	EA	1" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	664.65	92.17
		For 150 Lb. Rating, Add	*373.12*	
		For Work In Restricted Working Space, Add	*34.79*	
		For 250 Lb. Rating, Add	*713.31*	
23 05 23 00-0537	EA	1-1/4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	738.10	107.54
		For 150 Lb. Rating, Add	*411.07*	
		For Work In Restricted Working Space, Add	*40.08*	
		For 250 Lb. Rating, Add	*785.86*	
23 05 23 00-0538	EA	1-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	817.36	129.04
		For 150 Lb. Rating, Add	*445.84*	
		For Work In Restricted Working Space, Add	*48.51*	
		For 250 Lb. Rating, Add	*852.35*	
23 05 23 00-0539	EA	2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,019.14	163.83
		For 150 Lb. Rating, Add	*553.73*	
		For Work In Restricted Working Space, Add	*61.45*	
		For 250 Lb. Rating, Add	*1,058.60*	
23 05 23 00-0540	EA	2-1/2" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,156.12	164.09
		For 150 Lb. Rating, Add	*646.24*	
		For Work In Restricted Working Space, Add	*61.73*	
		For 250 Lb. Rating, Add	*1,235.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0541	EA	3" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	1,273.53	192.39
		For 150 Lb. Rating, Add	*702.27*	
		For Work In Restricted Working Space, Add	*72.23*	
		For 250 Lb. Rating, Add	*1,342.58*	
23 05 23 00-0542	EA	4" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,000.23	322.53
		For 150 Lb. Rating, Add	*1,085.31*	
		For Work In Restricted Working Space, Add	*121.25*	
		For 250 Lb. Rating, Add	*2,074.87*	
23 05 23 00-0543	EA	5" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	2,777.37	347.77
		For 150 Lb. Rating, Add	*1,593.46*	
		For Work In Restricted Working Space, Add	*130.22*	
		For 250 Lb. Rating, Add	*3,046.32*	
23 05 23 00-0544	EA	6" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	3,201.73	386.42
		For 150 Lb. Rating, Add	*1,847.54*	
		For Work In Restricted Working Space, Add	*145.43*	
		For 250 Lb. Rating, Add	*3,532.06*	
23 05 23 00-0545	EA	8" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	7,396.64	493.76
		For 150 Lb. Rating, Add	*4,612.63*	
		For Work In Restricted Working Space, Add	*184.01*	
		For 250 Lb. Rating, Add	*8,818.26*	
23 05 23 00-0546	EA	10" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	9,984.85	601.09
		For 150 Lb. Rating, Add	*6,278.77*	
		For Work In Restricted Working Space, Add	*225.41*	
		For 250 Lb. Rating, Add	*12,003.54*	
23 05 23 00-0547	EA	12" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	15,309.92	729.89
		For 150 Lb. Rating, Add	*9,791.44*	
		For Work In Restricted Working Space, Add	*273.22*	
		For 250 Lb. Rating, Add	*18,718.93*	
23 05 23 00-0548	EA	14" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	17,598.62	1,037.42
		For 150 Lb. Rating, Add	*11,085.25*	
		For Work In Restricted Working Space, Add	*389.03*	
		For 250 Lb. Rating, Add	*21,192.39*	
23 05 23 00-0549	EA	16" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	25,169.97	1,141.16
		For 150 Lb. Rating, Add	*16,145.59*	
		For Work In Restricted Working Space, Add	*427.94*	
		For 250 Lb. Rating, Add	*30,866.58*	
23 05 23 00-0550	EA	18" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	38,900.20	1,265.65
		For 150 Lb. Rating, Add	*25,376.34*	
		For Work In Restricted Working Space, Add	*474.62*	
		For 250 Lb. Rating, Add	*48,513.58*	
23 05 23 00-0551	EA	20" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	53,723.66	1,426.45
		For 150 Lb. Rating, Add	*35,319.60*	
		For Work In Restricted Working Space, Add	*534.92*	
		For 250 Lb. Rating, Add	*67,522.77*	
23 05 23 00-0552	EA	24" Diameter Flanged, 125 Lb. Iron Body, Bronze Trim, Swing Check Valves	74,901.88	1,750.64
		For 150 Lb. Rating, Add	*49,445.23*	
		For Work In Restricted Working Space, Add	*656.49*	
		For 250 Lb. Rating, Add	*94,527.64*	

23 05 23 00-0553 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0469)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0554	EA	1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	202.42	12.29
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0555	EA	3/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	238.24	13.52
		For Work In Restricted Working Space, Add	*16.03*	
23 05 23 00-0556	EA	1" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	281.72	15.36
		For Work In Restricted Working Space, Add	*19.41*	
23 05 23 00-0557	EA	1-1/4" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	436.87	16.35
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0558	EA	1-1/2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	518.43	18.92
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0559	EA	2" Diameter Threaded, Class 800, Forged Steel Swing Check Valve	701.78	22.36
		For Work In Restricted Working Space, Add	*33.52*	

23 05 23 00-0560 Plastic Check Valve *(23 05 23 00-0469)*

23 05 23 00-0561 Polyvinyl Chloride (PVC) Check Valve *(23 05 23 00-0560)*

23 05 23 00-0562 Polyvinyl Chloride (PVC) "Y" Check Valve *(23 05 23 00-0561)*

23 05 23 00-0563	EA	1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	97.67	12.29
23 05 23 00-0564	EA	3/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	115.73	13.52
23 05 23 00-0565	EA	1" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	133.07	15.36
23 05 23 00-0566	EA	1-1/4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	189.43	16.35
23 05 23 00-0567	EA	1-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	210.99	18.92
23 05 23 00-0568	EA	2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	351.07	20.59
23 05 23 00-0569	EA	2-1/2" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	438.53	30.22
23 05 23 00-0570	EA	3" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	480.65	35.08
23 05 23 00-0571	EA	4" Diameter Threaded Or Socket, Polyvinyl Chloride (PVC) "Y" Type Check Valve	699.67	39.61
23 05 23 00-0572	EA	3" Diameter Flanged, Polyvinyl Chloride (PVC) "Y" Type Check Valve	670.74	192.39

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0573		**Polyvinyl Chloride (PVC) True Union Ball Check Valve** *(23 05 23 00-0561)*		
23 05 23 00-0574		**Valves** *(23 05 23 00-0573)*		
23 05 23 00-0575	EA	1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	74.48	12.29
23 05 23 00-0576	EA	3/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	93.24	13.52
23 05 23 00-0577	EA	1" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	114.45	15.36
23 05 23 00-0578	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	148.29	16.35
23 05 23 00-0579	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	174.16	18.92
23 05 23 00-0580	EA	2" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	256.05	22.36
23 05 23 00-0581	EA	3" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	417.96	30.22
23 05 23 00-0582	EA	4" Diameter, Polyvinyl Chloride (PVC) True Union Ball Check Valve	709.89	35.08
23 05 23 00-0583		**Foot Valve Screen** *(23 05 23 00-0573)*		
		Note: For use with PVC true union ball check valves above.		
23 05 23 00-0584	EA	1/2" Diameter, Foot Valve Screen Option	61.97	
23 05 23 00-0585	EA	3/4" Diameter, Foot Valve Screen Option	74.11	
23 05 23 00-0586	EA	1" Diameter, Foot Valve Screen Option	85.88	
23 05 23 00-0587	EA	1-1/4" Diameter, Foot Valve Screen Option	129.65	
23 05 23 00-0588	EA	1-1/2" Diameter, Foot Valve Screen Option	143.44	
23 05 23 00-0589	EA	2" Diameter, Foot Valve Screen Option	155.21	
23 05 23 00-0590	EA	2-1/2" Diameter, Foot Valve Screen Option	185.18	
23 05 23 00-0591	EA	3" Diameter, Foot Valve Screen Option	215.16	
23 05 23 00-0592	EA	4" Diameter, Foot Valve Screen Option	261.13	
23 05 23 00-0593		**Hayward "True Check" With VITON Seals** *(23 05 23 00-0573)*		
23 05 23 00-0594	EA	1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	67.31	12.29
23 05 23 00-0595	EA	3/8" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	69.19	12.29
23 05 23 00-0596	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	75.31	12.29
23 05 23 00-0597	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	93.16	13.52
23 05 23 00-0598	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	115.62	15.36
23 05 23 00-0599	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	148.21	16.35
23 05 23 00-0600	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	179.14	18.92
23 05 23 00-0601	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	224.53	22.36
23 05 23 00-0602	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	412.98	30.22
23 05 23 00-0603	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	452.78	35.08
23 05 23 00-0604	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	713.11	39.61
23 05 23 00-0605		**Hayward "True Check" With Ethylene Propylene Diene Monomer (EPDM) Seals** *(23 05 23 00-0573)*		
23 05 23 00-0606	EA	1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	71.17	12.29
23 05 23 00-0607	EA	3/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	89.09	13.52
23 05 23 00-0608	EA	1" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	109.98	15.36
23 05 23 00-0609	EA	1-1/4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	142.07	16.35
23 05 23 00-0610	EA	1-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	167.86	18.92
23 05 23 00-0611	EA	2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	214.58	22.36
23 05 23 00-0612	EA	2-1/2" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	398.05	30.22
23 05 23 00-0613	EA	3" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	440.34	35.08
23 05 23 00-0614	EA	4" Diameter Socket Or Threaded, Polyvinyl Chloride (PVC) True Union Ball Check Valve	694.03	39.61
23 05 23 00-0615		**Polyvinyl Chloride (PVC) Check Valve, Ethylene Propylene Diene Monomer (EPDM) Housing, Flanged** *(23 05 23 00-0561)*		
23 05 23 00-0616	EA	1" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	350.07	73.75
23 05 23 00-0617	EA	1-1/4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	381.55	86.03
23 05 23 00-0618	EA	1-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	419.62	107.54
23 05 23 00-0619	EA	2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	511.80	135.19
23 05 23 00-0620	EA	2-1/2" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	615.69	135.88
23 05 23 00-0621	EA	3" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	839.97	158.51
23 05 23 00-0622	EA	4" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,162.67	268.91
23 05 23 00-0623	EA	6" Diameter, Polyvinyl Chloride (PVC) With Ethylene Propylene Diene Monomer (EPDM) Housing, Thermoplastic Check Valve	1,910.99	452.91
23 05 23 00-0624		**Swing Check Valves, 150 Lb. Polyvinyl Chloride (PVC) Socket Weld End Connections** *(23 05 23 00-0560)*		
23 05 23 00-0625	EA	1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	65.39	12.29
		For Work In Restricted Working Space, Add	*11.90*	
23 05 23 00-0626	EA	3/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	79.17	13.52
		For Work In Restricted Working Space, Add	*16.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0627	EA	1" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	91.45	15.36
		For Work In Restricted Working Space, Add	*19.41*	
23 05 23 00-0628	EA	1-1/4" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	109.80	16.35
		For Work In Restricted Working Space, Add	*24.58*	
23 05 23 00-0629	EA	1-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	124.02	18.92
		For Work In Restricted Working Space, Add	*28.36*	
23 05 23 00-0630	EA	2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	157.56	22.36
		For Work In Restricted Working Space, Add	*33.52*	
23 05 23 00-0631	EA	2-1/2" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	216.14	30.22
		For Work In Restricted Working Space, Add	*45.27*	
23 05 23 00-0632	EA	3" Diameter Socket Weld, 150 Lb., Duplex Polyvinyl Chloride (PVC), Check Valve	258.77	35.08
		For Work In Restricted Working Space, Add	*52.23*	

23 05 23 00-0633 Polyvinyl Chloride (PVC) Body, Swing Check Valves *(23 05 23 00-0560)*

23 05 23 00-0634 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals *(23 05 23 00-0633)*

23 05 23 00-0635	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	664.89	158.43
		For Work In Restricted Working Space, Add	*60.62*	
23 05 23 00-0636	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	850.40	268.77
		For Work In Restricted Working Space, Add	*99.86*	
23 05 23 00-0637	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,352.66	322.01
		For Work In Restricted Working Space, Add	*132.59*	
23 05 23 00-0638	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals	1,802.74	407.88
		For Work In Restricted Working Space, Add	*150.27*	

23 05 23 00-0639 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals *(23 05 23 00-0633)*

23 05 23 00-0640	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	784.32	158.43
		For Work In Restricted Working Space, Add	*60.62*	
23 05 23 00-0641	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,114.14	268.77
		For Work In Restricted Working Space, Add	*99.86*	
23 05 23 00-0642	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	1,602.48	322.01
		For Work In Restricted Working Space, Add	*132.59*	
23 05 23 00-0643	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals	2,101.32	407.88
		For Work In Restricted Working Space, Add	*150.27*	

23 05 23 00-0644 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter Weights *(23 05 23 00-0633)*

23 05 23 00-0645	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	815.84	158.43
		For Work In Restricted Working Space, Add	*60.62*	
23 05 23 00-0646	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,116.63	268.77
		For Work In Restricted Working Space, Add	*99.86*	
23 05 23 00-0647	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,492.00	322.01
		For Work In Restricted Working Space, Add	*132.59*	
23 05 23 00-0648	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Ethylene Propylene Diene Monomer (EPDM) Seals And Counter weights	1,917.53	407.88
		For Work In Restricted Working Space, Add	*150.27*	

23 05 23 00-0649 Polyvinyl Chloride (PVC) Body, Swing Check Valves With Viton Seals And Counter Weights *(23 05 23 00-0633)*

23 05 23 00-0650	EA	3" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	915.36	158.43
		For Work In Restricted Working Space, Add	*60.62*	
23 05 23 00-0651	EA	4" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,261.78	268.77
		For Work In Restricted Working Space, Add	*99.86*	
23 05 23 00-0652	EA	6" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	1,699.35	322.01
		For Work In Restricted Working Space, Add	*132.59*	
23 05 23 00-0653	EA	8" Diameter, Polyvinyl Chloride (PVC) Swing Check Valve, With Viton Seals And Counter Weights	2,166.35	407.88
		For Work In Restricted Working Space, Add	*150.27*	

23 05 23 00-0654 Diaphragm Valves *(23 05 23)*

23 05 23 00-0655 Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0654)*

23 05 23 00-0656	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	299.46	36.78
23 05 23 00-0657	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	384.75	40.74
23 05 23 00-0658	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	416.36	50.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0659	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	661.59	75.26
23 05 23 00-0660	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,069.43	90.53
23 05 23 00-0661		Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0662	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	480.28	58.99
23 05 23 00-0663	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	563.81	61.45
23 05 23 00-0664	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	658.34	92.17
23 05 23 00-0665	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,005.39	129.04
23 05 23 00-0666	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	1,633.97	163.83
23 05 23 00-0667	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,123.52	164.09
23 05 23 00-0668	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	2,647.06	192.39
23 05 23 00-0669	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	3,707.44	322.53
23 05 23 00-0670	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	7,885.26	386.42
23 05 23 00-0671	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated, Diaphragm Valve	12,348.74	493.76
23 05 23 00-0672		Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0673	EA	1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	181.83	36.78
23 05 23 00-0674	EA	3/4" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	239.25	40.74
23 05 23 00-0675	EA	1" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	270.86	50.36
23 05 23 00-0676	EA	1-1/2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	463.46	75.26
23 05 23 00-0677	EA	2" Diameter Threaded, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	608.19	90.53
23 05 23 00-0678		Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0679	EA	1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	310.50	58.99
23 05 23 00-0680	EA	3/4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	361.54	61.45
23 05 23 00-0681	EA	1" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	456.03	92.17
23 05 23 00-0682	EA	1-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	729.92	129.04
23 05 23 00-0683	EA	2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	992.56	163.83
23 05 23 00-0684	EA	2-1/2" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,232.79	164.09
23 05 23 00-0685	EA	3" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	1,506.35	192.39
23 05 23 00-0686	EA	4" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	2,362.80	322.53
23 05 23 00-0687	EA	6" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	4,872.77	386.42
23 05 23 00-0688	EA	8" Diameter Flanged, Cast Iron, 150 Lb., Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated, Diaphragm Valve	7,570.67	493.76
23 05 23 00-0689		125 Lb., Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0654)*		
23 05 23 00-0690	EA	1" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	597.40	92.17
23 05 23 00-0691	EA	1-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	983.01	129.04
23 05 23 00-0692	EA	2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,330.56	163.83
23 05 23 00-0693	EA	2-1/2" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	1,961.59	164.09
23 05 23 00-0694	EA	3" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	2,159.44	192.39
23 05 23 00-0695	EA	4" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	3,370.68	322.53
23 05 23 00-0696	EA	6" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	6,927.50	386.42
23 05 23 00-0697	EA	8" Diameter Flanged, 125 Lb., Cast Iron, Diaphragm Valve	14,645.73	493.76
23 05 23 00-0698		Solenoid Valves *(23 05 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0699		**Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure** *(23 05 23 00-0698)*		
23 05 23 00-0700	EA	1/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	142.55	12.29
23 05 23 00-0701	EA	1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	165.53	12.29
23 05 23 00-0702	EA	3/4" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	211.74	13.52
23 05 23 00-0703	EA	1" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	312.64	15.36
23 05 23 00-0704	EA	1-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	552.29	18.92
23 05 23 00-0705	EA	2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	866.44	22.36
23 05 23 00-0706	EA	2-1/2" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,180.18	30.22
23 05 23 00-0707	EA	3" Diameter, 150 PSI, Bronze, Solenoid Valve, Water	1,714.07	35.08
23 05 23 00-0708		**Flow Control Valves And Meters** *(23 05 23)*		
23 05 23 00-0709		**Conditioned Water Balancing Valves** *(23 05 23 00-0708)*		
		Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0710	EA	1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	181.74	62.71
23 05 23 00-0711	EA	3/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	217.51	83.60
23 05 23 00-0712	EA	1" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,422.74	95.53
23 05 23 00-0713	EA	1-1/4" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,531.22	118.03
23 05 23 00-0714	EA	1-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,639.56	125.41
23 05 23 00-0715	EA	2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,753.46	143.36
23 05 23 00-0716	EA	2-1/2" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,113.94	249.55
23 05 23 00-0717	EA	3" Diameter NPT, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,000.27	285.22
23 05 23 00-0718	EA	3" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,372.15	192.49
23 05 23 00-0719	EA	4" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	4,664.69	322.70
23 05 23 00-0720	EA	6" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	7,303.27	407.62
23 05 23 00-0721	EA	8" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	9,863.16	520.84
23 05 23 00-0722	EA	10" Diameter Flanged, Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	14,116.59	634.07
23 05 23 00-0723		**Read Out Meters** *(23 05 23 00-0708)*		
		Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0724	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,402.49	
23 05 23 00-0725	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0726	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0727	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,897.99	
23 05 23 00-0728		**Balancing Valves** *(23 05 23)*		
23 05 23 00-0729		**Balancing Valves With Lever** *(23 05 23 00-0728)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0730	EA	1/2" Diameter Threaded, Balancing Valve With Lever	435.87	38.72
23 05 23 00-0731	EA	3/4" Diameter Threaded, Balancing Valve With Lever	470.70	51.03
23 05 23 00-0732	EA	1" Diameter Threaded, Balancing Valve With Lever	656.51	58.40
23 05 23 00-0733	EA	1-1/4" Diameter Threaded, Balancing Valve With Lever	705.17	72.53
23 05 23 00-0734	EA	1-1/2" Diameter Threaded, Balancing Valve With Lever	740.39	76.84
23 05 23 00-0735	EA	2" Diameter Threaded, Balancing Valve With Lever	910.25	87.91
23 05 23 00-0736	EA	2-1/2" Diameter Flanged, Balancing Valve With Lever	1,223.88	164.18
23 05 23 00-0737	EA	3" Diameter Flanged, Balancing Valve With Lever	1,225.36	192.49
23 05 23 00-0738	EA	4" Diameter Flanged, Balancing Valve With Lever	1,523.09	322.70
23 05 23 00-0739	EA	5" Diameter Flanged, Balancing Valve With Lever	4,603.26	366.86
23 05 23 00-0740	EA	6" Diameter Flanged, Balancing Valve With Lever	2,245.33	407.62
23 05 23 00-0741	EA	8" Diameter Flanged, Balancing Valve With Lever	2,972.66	520.84
23 05 23 00-0742		**Balancing Valves With Nut** *(23 05 23 00-0728)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0743	EA	4" Diameter Flanged, Balancing Valve With Nut	1,523.09	322.70
23 05 23 00-0744	EA	5" Diameter Flanged, Balancing Valve With Nut	4,603.26	366.86
23 05 23 00-0745	EA	6" Diameter Flanged, Balancing Valve With Nut	2,245.33	407.62
23 05 23 00-0746	EA	8" Diameter Flanged, Balancing Valve With Nut	2,972.66	520.84
23 05 23 00-0747		**Balancing Valves With Hand Wheel** *(23 05 23 00-0728)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0748	EA	4" Diameter Flanged, Balancing Valve With Hand Wheel	2,088.65	322.70
23 05 23 00-0749	EA	5" Diameter Flanged, Balancing Valve With Hand Wheel	5,201.15	366.86

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0750	EA	6" Diameter Flanged, Balancing Valve With Hand Wheel	2,844.46	407.62
23 05 23 00-0751	EA	8" Diameter Flanged, Balancing Valve With Hand Wheel	4,035.43	520.84
23 05 23 00-0752	EA	10" Diameter Flanged, Balancing Valve With Hand Wheel	6,228.23	634.07
23 05 23 00-0753	EA	12" Diameter Flanged, Balancing Valve With Hand Wheel	8,156.16	512.59
23 05 23 00-0754	EA	14" Diameter Flanged, Balancing Valve With Hand Wheel	10,677.26	966.47
23 05 23 00-0755		**Balancing Valves With Chain Wheel** *(23 05 23 00-0728)*		
		Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.		
23 05 23 00-0756	EA	4" Diameter Flanged, Balancing Valve With Chain Wheel	2,413.08	322.70
23 05 23 00-0757	EA	5" Diameter Flanged, Balancing Valve With Chain Wheel	5,520.60	366.86
23 05 23 00-0758	EA	6" Diameter Flanged, Balancing Valve With Chain Wheel	3,162.67	407.62
23 05 23 00-0759	EA	8" Diameter Flanged, Balancing Valve With Chain Wheel	4,426.97	520.84
23 05 23 00-0760	EA	10" Diameter Flanged, Balancing Valve With Chain Wheel	6,608.59	634.07
23 05 23 00-0761	EA	12" Diameter Flanged, Balancing Valve With Chain Wheel	8,866.22	512.23
23 05 23 00-0762	EA	14" Diameter Flanged, Balancing Valve With Chain Wheel	11,319.89	966.47
23 05 23 00-0763		**Calibrated Balancing Valves** *(23 05 23 00-0728)*		
		Note: Bell & Gossett CB Series.		
23 05 23 00-0764	EA	1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1/2S)	150.03	12.29
23 05 23 00-0765	EA	3/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-3/4S)	176.21	13.52
23 05 23 00-0766	EA	1" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1S)	199.28	15.36
23 05 23 00-0767	EA	1-1/4" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/4S)	278.72	16.35
23 05 23 00-0768	EA	1-1/2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-1-1/2S)	327.19	18.93
23 05 23 00-0769	EA	2" Diameter Brazed Or Soldered, Calibrated Balancing Valve (CB-2S)	439.12	22.37
23 05 23 00-0770	EA	1" Diameter Threaded, Calibrated Balancing Valve (CB-1)	228.93	15.36
23 05 23 00-0771	EA	1-1/4" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/4)	311.94	16.35
23 05 23 00-0772	EA	1-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-1-1/2)	349.23	18.93
23 05 23 00-0773	EA	2" Diameter Threaded, Calibrated Balancing Valve (CB-2)	470.09	22.37
23 05 23 00-0774	EA	2-1/2" Diameter Threaded, Calibrated Balancing Valve (CB-2-1/2)	662.09	32.82
23 05 23 00-0775	EA	3" Diameter Threaded, Calibrated Balancing Valve (CB-3)	1,154.39	38.11
23 05 23 00-0776	EA	2-1/2" Diameter Flanged, Calibrated Balancing Valve (CB-2-1/2F)	1,089.40	178.28
23 05 23 00-0777	EA	3" Diameter Flanged, Calibrated Balancing Valve (CB-3F)	1,892.78	209.01
23 05 23 00-0778	EA	4" Diameter Flanged, Calibrated Balancing Valve (CB-4F)	2,840.87	350.40
23 05 23 00-0779	EA	5" Diameter Flanged, Calibrated Balancing Valve (CB-5F)	3,920.03	398.35
23 05 23 00-0780	EA	6" Diameter Flanged, Calibrated Balancing Valve (CB-6F)	4,965.61	442.61
23 05 23 00-0781	EA	8" Diameter Flanged, Calibrated Balancing Valve (CB-8F)	7,861.18	565.56
23 05 23 00-0782	EA	10" Diameter Flanged, Calibrated Balancing Valve (CB-10F)	12,901.40	676.52
23 05 23 00-0783	EA	12" Diameter Flanged, Calibrated Balancing Valve (CB-12F)	27,260.06	821.49
23 05 23 00-0784	EA	4" Diameter Grooved, Calibrated Balancing Valve (CB-4G)	3,259.93	42.32
23 05 23 00-0785	EA	5" Diameter Grooved, Calibrated Balancing Valve (CB-5G)	3,781.64	54.74
23 05 23 00-0786	EA	6" Diameter Grooved, Calibrated Balancing Valve (CB-6G)	5,005.50	70.20
23 05 23 00-0787	EA	8" Diameter Grooved, Calibrated Balancing Valve (CB-8G)	9,389.07	89.09
23 05 23 00-0788	EA	10" Diameter Grooved, Calibrated Balancing Valve (CB-10G)	14,986.07	99.82
23 05 23 00-0789	EA	12" Diameter Grooved, Calibrated Balancing Valve (CB-12G)	30,897.94	121.72
23 05 23 00-0790		**Butterfly Valves** *(23 05 23)*		
23 05 23 00-0791		**Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves** *(23 05 23 00-0790)*		
		Note: With on-off handle		
23 05 23 00-0792	EA	2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	521.51	163.83
		For 200 PSI, Add	*152.01*	
		For Work In Restricted Working Space, Add	*61.45*	
23 05 23 00-0793	EA	2-1/2" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	540.86	164.09
		For 200 PSI, Add	*160.85*	
		For Work In Restricted Working Space, Add	*61.73*	
23 05 23 00-0794	EA	3" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	601.65	192.39
		For 200 PSI, Add	*173.22*	
		For Work In Restricted Working Space, Add	*72.23*	
23 05 23 00-0795	EA	4" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	857.11	322.53
		For 200 PSI, Add	*217.41*	
		For Work In Restricted Working Space, Add	*121.25*	
23 05 23 00-0796	EA	5" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,129.17	386.42
		For 200 PSI, Add	*309.32*	
		For Work In Restricted Working Space, Add	*145.43*	
23 05 23 00-0797	EA	6" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,324.72	429.35
		For 200 PSI, Add	*378.25*	
		For Work In Restricted Working Space, Add	*161.01*	
23 05 23 00-0798	EA	8" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	1,799.08	493.76
		For 200 PSI, Add	*569.15*	
		For Work In Restricted Working Space, Add	*184.01*	
23 05 23 00-0799	EA	10" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,049.16	601.09
		For 200 PSI, Add	*1,102.94*	
		For Work In Restricted Working Space, Add	*225.41*	
23 05 23 00-0800	EA	12" Diameter, Wafer Type, 150 PSI, Cast Iron, With Iron Disc, On Off Handle, Butterfly Valve	3,838.22	729.89
		For 200 PSI, Add	*1,405.19*	
		For Work In Restricted Working Space, Add	*273.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0801		Cast Iron Body, Bronze Disc, Gear Operated, 200 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0790)*		
23 05 23 00-0802	EA	2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,073.87	163.83
		For Work In Restricted Working Space, Add	*61.45*	
23 05 23 00-0803	EA	2-1/2" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,082.16	164.09
		For Work In Restricted Working Space, Add	*61.73*	
23 05 23 00-0804	EA	3" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,161.37	192.39
		For Work In Restricted Working Space, Add	*72.23*	
23 05 23 00-0805	EA	4" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,442.61	322.53
		For Work In Restricted Working Space, Add	*121.25*	
23 05 23 00-0806	EA	5" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,777.27	386.42
		For Work In Restricted Working Space, Add	*145.43*	
23 05 23 00-0807	EA	6" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	1,968.93	429.35
		For Work In Restricted Working Space, Add	*161.01*	
23 05 23 00-0808	EA	8" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	2,469.27	493.76
		For Work In Restricted Working Space, Add	*184.01*	
23 05 23 00-0809	EA	10" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	3,148.58	601.09
		For Work In Restricted Working Space, Add	*225.41*	
23 05 23 00-0810	EA	12" Diameter, Lug Type, 200 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	4,394.26	729.89
		For Work In Restricted Working Space, Add	*273.22*	
23 05 23 00-0811		Cast Iron Body, Bronze Disc, Gear Operated, 150 Lb., Lug Type, Butterfly Valves *(23 05 23 00-0790)*		
23 05 23 00-0812	EA	14" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	7,515.27	972.58
		For 200 PSI, Add	*2,238.66*	
		For Work In Restricted Working Space, Add	*389.03*	
23 05 23 00-0813	EA	16" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	9,780.91	1,141.16
		For 200 PSI, Add	*3,007.61*	
		For Work In Restricted Working Space, Add	*427.94*	
23 05 23 00-0814	EA	18" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	13,997.60	1,270.83
		For 200 PSI, Add	*4,468.55*	
		For Work In Restricted Working Space, Add	*475.49*	
23 05 23 00-0815	EA	20" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	18,200.29	1,426.45
		For 200 PSI, Add	*5,910.20*	
		For Work In Restricted Working Space, Add	*534.92*	
23 05 23 00-0816	EA	24" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	24,610.96	1,750.64
		For 200 PSI, Add	*8,069.91*	
		For Work In Restricted Working Space, Add	*658.36*	
23 05 23 00-0817	EA	30" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	51,641.48	2,767.94
		For 200 PSI, Add	*17,322.71*	
		For Work In Restricted Working Space, Add	*1,056.85*	
23 05 23 00-0818	EA	36" Diameter, Lug Type, 150 Lb., Cast Iron Body, Bronze Disc, Gear Operated, Butterfly Valve	65,541.50	3,774.46
		For 200 PSI, Add	*22,009.67*	
		For Work In Restricted Working Space, Add	*1,321.06*	

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001		Hangers And Supports *(23 05 29)*		
23 05 29 00-0002		Clevis Hangers *(23 05 29 00-0001)*		
23 05 29 00-0003		Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*		
		Note: Type 1.		
23 05 29 00-0004	EA	1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	22.11	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0005	EA	3/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	24.38	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0006	EA	1" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	25.63	11.32
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0007	EA	1-1/4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	26.56	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0008	EA	1-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	26.79	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0009	EA	2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	27.91	12.45
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0010	EA	2-1/2" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	30.35	12.90
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0011	EA	3" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	32.24	13.58
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	33.80	14.91
		For Work In Restricted Working Space, Add	*8.52*	
23 05 29 00-0013	EA	4" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	36.94	15.84
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0014	EA	5" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	47.27	18.95
		For Work In Restricted Working Space, Add	*11.37*	
23 05 29 00-0015	EA	6" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	56.83	22.64
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-0016	EA	8" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	75.73	28.30
		For Work In Restricted Working Space, Add	*16.97*	
23 05 29 00-0017	EA	10" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	109.57	38.48
		For Work In Restricted Working Space, Add	*22.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0018	EA	12" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	127.87	42.44
		For Work In Restricted Working Space, Add	*25.46*	
23 05 29 00-0019	EA	14" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	157.87	47.53
		For Work In Restricted Working Space, Add	*29.20*	
23 05 29 00-0020	EA	16" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	195.36	56.58
		For Work In Restricted Working Space, Add	*33.95*	
23 05 29 00-0021	EA	18" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	243.56	70.73
		For Work In Restricted Working Space, Add	*42.44*	
23 05 29 00-0022	EA	20" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	384.27	84.88
		For Work In Restricted Working Space, Add	*50.93*	
23 05 29 00-0023	EA	24" Diameter Size, Steel Clevis Hanger (Cooper B-Line B3100)	576.99	99.02
		For Work In Restricted Working Space, Add	*59.42*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	26.74	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0026	EA	3/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	29.01	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0027	EA	1" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.36	11.32
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0028	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.39	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0029	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.98	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0030	EA	2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	32.80	12.45
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0031	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	36.32	12.90
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0032	EA	3" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	38.02	13.58
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0033	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	42.69	15.84
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0034	EA	4" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	46.60	15.84
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0035	EA	5" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	74.49	18.95
		For Work In Restricted Working Space, Add	*11.37*	
23 05 29 00-0036	EA	6" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	92.03	22.64
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-0037	EA	8" Diameter Size, Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	110.04	28.30
		For Work In Restricted Working Space, Add	*16.97*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	21.95	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0040	EA	3/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	24.25	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0041	EA	1" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	25.59	11.32
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0042	EA	1-1/4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.30	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0043	EA	1-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.43	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0044	EA	2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.19	12.45
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0045	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	29.40	12.90
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0046	EA	3" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	30.63	13.58
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0047	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	34.55	15.84
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0048	EA	4" Diameter Size, Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	35.47	15.84
		For Work In Restricted Working Space, Add	*9.05*	

23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)*

23 05 29 00-0050	EA	3/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.03	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0051	EA	1" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.28	11.32
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0052	EA	1-1/4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.95	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0053	EA	1-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	32.87	12.24
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0054	EA	2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	35.07	12.45
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0055	EA	2-1/2" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	37.41	12.90
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0056	EA	3" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	39.16	13.58
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0057	EA	4" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	46.73	15.84
		For Work In Restricted Working Space, Add	*9.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0058	EA	5" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	58.93	18.95
		For Work In Restricted Working Space, Add	*11.37*	
23 05 29 00-0059	EA	6" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	72.46	22.64
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-0060	EA	8" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	101.37	28.30
		For Work In Restricted Working Space, Add	*16.97*	
23 05 29 00-0061	EA	10" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	141.68	38.48
		For Work In Restricted Working Space, Add	*22.64*	
23 05 29 00-0062	EA	12" Diameter Size, Steel Extended Clevis Hanger (Cooper B-Line B3108)	159.16	42.44
		For Work In Restricted Working Space, Add	*25.46*	
23 05 29 00-0063		Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*		
23 05 29 00-0064	EA	2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	36.15	12.45
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0065	EA	2-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	38.42	12.90
		For Work In Restricted Working Space, Add	*7.76*	
23 05 29 00-0066	EA	3" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	40.32	13.58
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0067	EA	3-1/2" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	44.76	15.84
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0068	EA	4" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	47.06	15.84
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0069	EA	5" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	58.50	18.95
		For Work In Restricted Working Space, Add	*11.37*	
23 05 29 00-0070	EA	6" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	68.45	22.64
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-0071	EA	8" Diameter Size, Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	90.27	28.30
		For Work In Restricted Working Space, Add	*16.97*	
23 05 29 00-0072		Adjustable Hangers *(23 05 29 00-0001)*		
23 05 29 00-0073		Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0072)*		
		Note: Type 5.		
23 05 29 00-0074	EA	1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	20.08	8.93
		For Work In Restricted Working Space, Add	*5.36*	
23 05 29 00-0075	EA	3/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	22.04	9.90
		For Work In Restricted Working Space, Add	*5.94*	
23 05 29 00-0076	EA	1" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.22	11.01
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0077	EA	1-1/4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.76	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0078	EA	1-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	28.11	12.84
		For Work In Restricted Working Space, Add	*7.70*	
23 05 29 00-0079	EA	2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	30.02	13.46
		For Work In Restricted Working Space, Add	*8.07*	
23 05 29 00-0080	EA	2-1/2" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	34.11	14.06
		For Work In Restricted Working Space, Add	*8.44*	
23 05 29 00-0081	EA	3" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	35.62	14.67
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0082	EA	4" Diameter Size, Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	42.15	16.51
		For Work In Restricted Working Space, Add	*9.91*	
23 05 29 00-0083		Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0072)*		
		Note: Type 10.		
23 05 29 00-0084	EA	1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.66	11.32
		For Work In Restricted Working Space, Add	*6.79*	
		For 304 Stainless Steel, Add	*5.20*	
		For 316 Stainless Steel, Add	*6.38*	
23 05 29 00-0085	EA	3/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	24.94	11.32
		For Work In Restricted Working Space, Add	*7.15*	
		For 304 Stainless Steel, Add	*5.71*	
		For 316 Stainless Steel, Add	*7.00*	
23 05 29 00-0086	EA	1" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.27	12.45
		For Work In Restricted Working Space, Add	*7.55*	
		For 304 Stainless Steel, Add	*5.71*	
		For 316 Stainless Steel, Add	*7.00*	
23 05 29 00-0087	EA	1-1/4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	27.87	13.58
		For Work In Restricted Working Space, Add	*7.99*	
		For 304 Stainless Steel, Add	*6.38*	
		For 316 Stainless Steel, Add	*7.81*	
23 05 29 00-0088	EA	1-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	31.43	15.84
		For Work In Restricted Working Space, Add	*9.05*	
		For 304 Stainless Steel, Add	*6.38*	
		For 316 Stainless Steel, Add	*7.81*	
23 05 29 00-0089	EA	2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	33.64	15.84
		For Work In Restricted Working Space, Add	*9.70*	
		For 304 Stainless Steel, Add	*6.68*	
		For 316 Stainless Steel, Add	*8.19*	
23 05 29 00-0090	EA	2-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	36.96	16.98
		For Work In Restricted Working Space, Add	*10.45*	
		For 304 Stainless Steel, Add	*10.91*	
		For 316 Stainless Steel, Add	*13.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0091	EA	3" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	39.95	19.24
		For Work In Restricted Working Space, Add	*11.32*	
		For 304 Stainless Steel, Add	*11.37*	
		For 316 Stainless Steel, Add	*13.94*	
23 05 29 00-0092	EA	3-1/2" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	44.29	20.65
		For Work In Restricted Working Space, Add	*12.39*	
		For 304 Stainless Steel, Add	*15.25*	
		For 316 Stainless Steel, Add	*18.69*	
23 05 29 00-0093	EA	4" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	48.26	22.64
		For Work In Restricted Working Space, Add	*13.58*	
		For 304 Stainless Steel, Add	*15.25*	
		For 316 Stainless Steel, Add	*18.69*	
23 05 29 00-0094	EA	5" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	57.13	25.47
		For Work In Restricted Working Space, Add	*15.28*	
		For 304 Stainless Steel, Add	*31.67*	
		For 316 Stainless Steel, Add	*38.81*	
23 05 29 00-0095	EA	6" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	62.88	28.30
		For Work In Restricted Working Space, Add	*16.97*	
		For 304 Stainless Steel, Add	*32.13*	
		For 316 Stainless Steel, Add	*39.38*	
23 05 29 00-0096	EA	8" Diameter Size, Adjustable Swivel Steel Ring (Cooper B-Line B3170)	75.39	33.95
		For Work In Restricted Working Space, Add	*20.37*	
		For 304 Stainless Steel, Add	*38.20*	
		For 316 Stainless Steel, Add	*46.81*	
23 05 29 00-0097		**Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)** *(23 05 29 00-0072)*		
23 05 29 00-0098	EA	1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	26.38	11.32
		For Work In Restricted Working Space, Add	*6.79*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0099	EA	3/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.56	11.32
		For Work In Restricted Working Space, Add	*7.15*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0100	EA	1" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	28.89	12.45
		For Work In Restricted Working Space, Add	*7.55*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0101	EA	1-1/4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	30.36	13.58
		For Work In Restricted Working Space, Add	*7.99*	
		For 304 Stainless Steel, Add	*19.07*	
		For 316 Stainless Steel, Add	*23.38*	
23 05 29 00-0102	EA	1-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	34.23	15.84
		For Work In Restricted Working Space, Add	*9.05*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0103	EA	2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	36.38	15.84
		For Work In Restricted Working Space, Add	*9.70*	
		For 304 Stainless Steel, Add	*20.66*	
		For 316 Stainless Steel, Add	*25.31*	
23 05 29 00-0104	EA	2-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	45.45	16.98
		For Work In Restricted Working Space, Add	*10.45*	
		For 304 Stainless Steel, Add	*54.21*	
		For 316 Stainless Steel, Add	*66.44*	
23 05 29 00-0105	EA	3" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	50.89	19.24
		For Work In Restricted Working Space, Add	*11.32*	
		For 304 Stainless Steel, Add	*67.17*	
		For 316 Stainless Steel, Add	*82.31*	
23 05 29 00-0106	EA	3-1/2" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	55.51	20.65
		For Work In Restricted Working Space, Add	*12.39*	
		For 304 Stainless Steel, Add	*72.47*	
		For 316 Stainless Steel, Add	*88.81*	
23 05 29 00-0107	EA	4" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	62.57	22.64
		For Work In Restricted Working Space, Add	*13.58*	
		For 304 Stainless Steel, Add	*88.23*	
		For 316 Stainless Steel, Add	*108.13*	
23 05 29 00-0108	EA	5" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	68.46	25.47
		For Work In Restricted Working Space, Add	*15.28*	
		For 304 Stainless Steel, Add	*89.45*	
		For 316 Stainless Steel, Add	*109.63*	
23 05 29 00-0109	EA	6" Diameter Size, Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	81.97	28.30
		For Work In Restricted Working Space, Add	*16.97*	
		For 304 Stainless Steel, Add	*129.49*	
		For 316 Stainless Steel, Add	*158.69*	
23 05 29 00-0110		**Roller Hangers** *(23 05 29 00-0001)*		
23 05 29 00-0111		**Single Pipe Roll (Cooper B-Line B3114)** *(23 05 29 00-0110)*		
		Note: Excludes rod and nuts. Type 41.		
23 05 29 00-0112	EA	2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114)	32.59	9.06
		Note: Excludes rod and nuts.		
		For Work In Restricted Working Space, Add	*5.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0113	EA	2-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	35.94	10.19
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0114	EA	3" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	40.20	11.89
		For Work In Restricted Working Space, Add	*7.13*	
23 05 29 00-0115	EA	3-1/2" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	46.22	13.59
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0116	EA	4" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	62.65	15.28
		For Work In Restricted Working Space, Add	*9.17*	
23 05 29 00-0117	EA	5" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	57.09	16.99
		For Work In Restricted Working Space, Add	*10.19*	
23 05 29 00-0118	EA	6" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	70.77	20.38
		For Work In Restricted Working Space, Add	*12.23*	
23 05 29 00-0119	EA	8" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	94.11	23.78
		For Work In Restricted Working Space, Add	*14.27*	
23 05 29 00-0120	EA	10" Diameter Size, Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	111.61	28.31
		For Work In Restricted Working Space, Add	*16.98*	
23 05 29 00-0121		**Adjustable Clevis Roller Hanger (Cooper B-Line B3110)** *(23 05 29 00-0110)* Note: Type 43.		
23 05 29 00-0122	EA	2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	49.23	15.98
		For Work In Restricted Working Space, Add	*9.22*	
		For 304 Stainless Steel, Add	*94.30*	
		For 316 Stainless Steel, Add	*115.56*	
23 05 29 00-0123	EA	2-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	51.44	16.47
		For Work In Restricted Working Space, Add	*9.89*	
		For 304 Stainless Steel, Add	*94.30*	
		For 316 Stainless Steel, Add	*115.56*	
23 05 29 00-0124	EA	3" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	55.75	17.22
		For Work In Restricted Working Space, Add	*10.54*	
		For 304 Stainless Steel, Add	*105.16*	
		For 316 Stainless Steel, Add	*128.88*	
23 05 29 00-0125	EA	3-1/2" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	64.33	18.45
		For Work In Restricted Working Space, Add	*11.06*	
		For 304 Stainless Steel, Add	*140.00*	
		For 316 Stainless Steel, Add	*171.56*	
23 05 29 00-0126	EA	4" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	68.43	20.90
		For Work In Restricted Working Space, Add	*12.29*	
		For 304 Stainless Steel, Add	*140.00*	
		For 316 Stainless Steel, Add	*171.56*	
23 05 29 00-0127	EA	5" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	77.05	22.50
		For Work In Restricted Working Space, Add	*13.50*	
		For 304 Stainless Steel, Add	*163.46*	
		For 316 Stainless Steel, Add	*200.31*	
23 05 29 00-0128	EA	6" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	88.98	24.59
		For Work In Restricted Working Space, Add	*14.75*	
		For 304 Stainless Steel, Add	*202.98*	
		For 316 Stainless Steel, Add	*248.75*	
23 05 29 00-0129	EA	8" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	121.04	30.74
		For Work In Restricted Working Space, Add	*18.44*	
		For 304 Stainless Steel, Add	*303.81*	
		For 316 Stainless Steel, Add	*372.31*	
23 05 29 00-0130	EA	10" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	152.93	41.81
		For Work In Restricted Working Space, Add	*24.59*	
		For 304 Stainless Steel, Add	*361.90*	
		For 316 Stainless Steel, Add	*443.50*	
23 05 29 00-0131	EA	12" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	196.53	46.10
		For Work In Restricted Working Space, Add	*27.66*	
		For 304 Stainless Steel, Add	*532.03*	
		For 316 Stainless Steel, Add	*652.00*	
23 05 29 00-0132	EA	14" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	394.82	52.87
		For Work In Restricted Working Space, Add	*31.72*	
		For 304 Stainless Steel, Add	*1,474.36*	
		For 316 Stainless Steel, Add	*1,806.81*	
23 05 29 00-0133	EA	16" Diameter Size, Steel Clevis Roller Hanger (Cooper B-Line B3110)	494.04	61.47
		For Work In Restricted Working Space, Add	*36.89*	
		For 304 Stainless Steel, Add	*1,892.56*	
		For 316 Stainless Steel, Add	*2,319.31*	
23 05 29 00-0134		**Roller Chair (Cooper B-Line B3120)** *(23 05 29 00-0110)*		
23 05 29 00-0135	EA	2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	48.01	15.98
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0136	EA	2-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	51.70	16.47
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0137	EA	3" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	54.31	17.22
		For Work In Restricted Working Space, Add	*10.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0138	EA	3-1/2" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	61.31	18.45
		For Work In Restricted Working Space, Add	*11.06*	
23 05 29 00-0139	EA	4" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	68.30	20.90
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0140	EA	5" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	74.68	22.50
		For Work In Restricted Working Space, Add	*13.50*	
23 05 29 00-0141	EA	6" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	90.52	24.59
		For Work In Restricted Working Space, Add	*14.75*	
23 05 29 00-0142	EA	8" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	117.36	30.74
		For Work In Restricted Working Space, Add	*18.44*	
23 05 29 00-0143	EA	10" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	152.08	41.81
		For Work In Restricted Working Space, Add	*24.59*	
23 05 29 00-0144	EA	12" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	194.30	46.10
		For Work In Restricted Working Space, Add	*27.66*	
23 05 29 00-0145	EA	14" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	212.81	52.87
		For Work In Restricted Working Space, Add	*31.72*	
23 05 29 00-0146	EA	16" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	255.87	61.47
		For Work In Restricted Working Space, Add	*36.89*	
23 05 29 00-0147	EA	18" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	342.96	76.84
		For Work In Restricted Working Space, Add	*46.11*	
23 05 29 00-0148	EA	20" Diameter Size, Steel Roller Chair (Cooper B-Line B3120)	423.44	92.21
		For Work In Restricted Working Space, Add	*55.33*	

23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0110)*

23 05 29 00-0150	EA	2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	53.70	15.98
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0151	EA	2-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	60.11	16.47
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0152	EA	3" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	63.27	17.22
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0153	EA	3-1/2" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	66.80	18.45
		For Work In Restricted Working Space, Add	*11.06*	
23 05 29 00-0154	EA	4" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	79.79	20.90
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0155	EA	5" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	90.25	22.50
		For Work In Restricted Working Space, Add	*13.50*	
23 05 29 00-0156	EA	6" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	104.58	24.59
		For Work In Restricted Working Space, Add	*14.75*	
23 05 29 00-0157	EA	8" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	146.29	30.74
		For Work In Restricted Working Space, Add	*18.44*	
23 05 29 00-0158	EA	10" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	183.27	41.81
		For Work In Restricted Working Space, Add	*24.59*	
23 05 29 00-0159	EA	12" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	211.57	46.10
		For Work In Restricted Working Space, Add	*27.66*	
23 05 29 00-0160	EA	14" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	295.50	52.87
		For Work In Restricted Working Space, Add	*31.72*	
23 05 29 00-0161	EA	16" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	353.66	61.47
		For Work In Restricted Working Space, Add	*36.89*	
23 05 29 00-0162	EA	18" Diameter Size, Steel Adjustable Roller Support (Cooper B-Line B3122)	403.81	76.84
		For Work In Restricted Working Space, Add	*46.11*	

23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0110)*

23 05 29 00-0164	EA	2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	54.02	15.98
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0165	EA	2-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	60.40	16.47
		For Work In Restricted Working Space, Add	*9.89*	
23 05 29 00-0166	EA	3" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	63.76	17.22
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0167	EA	3-1/2" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	66.37	18.45
		For Work In Restricted Working Space, Add	*11.06*	
23 05 29 00-0168	EA	4" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	83.11	20.90
		For Work In Restricted Working Space, Add	*12.29*	
23 05 29 00-0169	EA	5" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	94.16	22.50
		For Work In Restricted Working Space, Add	*13.50*	
23 05 29 00-0170	EA	6" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	109.24	24.59
		For Work In Restricted Working Space, Add	*14.75*	
23 05 29 00-0171	EA	8" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	153.51	30.74
		For Work In Restricted Working Space, Add	*18.44*	
23 05 29 00-0172	EA	10" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	191.94	41.81
		For Work In Restricted Working Space, Add	*24.59*	
23 05 29 00-0173	EA	12" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	221.72	46.10
		For Work In Restricted Working Space, Add	*27.66*	
23 05 29 00-0174	EA	14" Diameter Size, Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	311.72	52.87
		For Work In Restricted Working Space, Add	*31.72*	

23 05 29 00-0175 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0175)*

Note: Type 4.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0177	EA	1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	18.97	7.34
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0178	EA	3/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	19.22	7.46
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0179	EA	1" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	19.49	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0180	EA	1-1/4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	21.05	7.70
		For Work In Restricted Working Space, Add	*4.62*	
23 05 29 00-0181	EA	1-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	21.30	7.82
		For Work In Restricted Working Space, Add	*4.70*	
23 05 29 00-0182	EA	2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	22.53	7.95
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0183	EA	2-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	23.42	8.19
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0184	EA	3" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	24.73	8.43
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0185	EA	3-1/2" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	28.22	8.56
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0186	EA	4" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	33.11	11.01
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0187	EA	5" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	47.08	14.67
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0188	EA	6" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	63.87	18.35
		For Work In Restricted Working Space, Add	*11.00*	
23 05 29 00-0189	EA	8" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	75.11	21.40
		For Work In Restricted Working Space, Add	*12.84*	
23 05 29 00-0190	EA	10" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	107.16	24.46
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0191	EA	12" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	143.90	26.90
		For Work In Restricted Working Space, Add	*16.14*	
23 05 29 00-0192	EA	14" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	227.81	29.35
		For Work In Restricted Working Space, Add	*17.61*	
23 05 29 00-0193	EA	16" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	246.92	31.79
		For Work In Restricted Working Space, Add	*19.08*	
23 05 29 00-0194	EA	18" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	395.07	34.24
		For Work In Restricted Working Space, Add	*20.54*	
23 05 29 00-0195	EA	20" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	455.85	36.68
		For Work In Restricted Working Space, Add	*22.01*	
23 05 29 00-0196	EA	24" Diameter Size, Steel Pipe Clamp (Cooper B-Line B3140)	591.52	40.36
		For Work In Restricted Working Space, Add	*24.21*	

23 05 29 00-0197 Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

23 05 29 00-0198	EA	3" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	36.38	7.92
		For Work In Restricted Working Space, Add	*4.72*	
23 05 29 00-0199	EA	4" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	46.98	7.92
		For Work In Restricted Working Space, Add	*4.72*	
23 05 29 00-0200	EA	5" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	51.43	8.20
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0201	EA	6" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	80.65	8.49
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0202	EA	8" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	87.66	9.05
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0203	EA	10" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	148.02	9.05
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0204	EA	12" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	238.09	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0205	EA	14" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	301.55	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0206	EA	16" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	328.31	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0207	EA	18" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,012.23	15.84
		For Work In Restricted Working Space, Add	*9.51*	
23 05 29 00-0208	EA	20" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,163.11	16.98
		For Work In Restricted Working Space, Add	*10.19*	
23 05 29 00-0209	EA	24" Diameter Size, Two Bolt Steel Heavy-Duty Pipe Clamp (Cooper B-Line B3142)	1,488.61	18.10
		For Work In Restricted Working Space, Add	*10.86*	

23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

23 05 29 00-0211	EA	1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	18.97	6.79
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0212	EA	3/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	19.69	6.91
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0213	EA	1" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	19.99	7.02
		For Work In Restricted Working Space, Add	*4.21*	
23 05 29 00-0214	EA	1-1/4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	21.45	7.13
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0215	EA	1-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	22.24	7.24
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0216	EA	2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	22.76	7.36
		For Work In Restricted Working Space, Add	*4.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0217	EA	2-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	23.70	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0218	EA	3" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	25.05	7.80
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0219	EA	3-1/2" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	27.30	7.92
		For Work In Restricted Working Space, Add	*4.75*	
23 05 29 00-0220	EA	4" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	33.35	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0221	EA	5" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	43.25	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0222	EA	6" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	54.77	16.98
		For Work In Restricted Working Space, Add	*10.19*	
23 05 29 00-0223	EA	8" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	73.69	19.81
		For Work In Restricted Working Space, Add	*11.88*	
23 05 29 00-0224	EA	10" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	95.71	22.64
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-0225	EA	12" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	114.94	24.90
		For Work In Restricted Working Space, Add	*14.94*	
23 05 29 00-0226	EA	14" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	152.34	27.16
		For Work In Restricted Working Space, Add	*16.30*	
23 05 29 00-0227	EA	16" Diameter Size, Steel Riser Clamp (Cooper B-Line B3373)	282.60	29.42
		For Work In Restricted Working Space, Add	*17.66*	

23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*

23 05 29 00-0229	EA	1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	31.77	6.79
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0230	EA	3/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	32.26	6.91
		For Work In Restricted Working Space, Add	*4.14*	
23 05 29 00-0231	EA	1" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	33.54	7.02
		For Work In Restricted Working Space, Add	*4.21*	
23 05 29 00-0232	EA	1-1/4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	35.74	7.13
		For Work In Restricted Working Space, Add	*4.28*	
23 05 29 00-0233	EA	1-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	40.10	7.24
		For Work In Restricted Working Space, Add	*4.35*	
23 05 29 00-0234	EA	2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	42.49	7.36
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0235	EA	2-1/2" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	45.86	7.58
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0236	EA	3" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	50.23	7.80
		For Work In Restricted Working Space, Add	*4.69*	
23 05 29 00-0237	EA	4" Diameter Size, Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	67.89	10.18
		For Work In Restricted Working Space, Add	*6.11*	

23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0175)*

Note: Type 42

23 05 29 00-0239	EA	4" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	69.12	7.92
		For Work In Restricted Working Space, Add	*4.72*	
23 05 29 00-0240	EA	6" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	73.43	8.49
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0241	EA	8" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	80.52	9.05
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0242	EA	10" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	85.76	9.05
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0243	EA	12" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	103.51	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0244	EA	14" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	315.01	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0245	EA	16" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	421.50	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0246	EA	18" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	502.14	15.84
		For Work In Restricted Working Space, Add	*9.51*	
23 05 29 00-0247	EA	20" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	729.54	16.98
		For Work In Restricted Working Space, Add	*10.19*	
23 05 29 00-0248	EA	24" Diameter Size, Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,003.82	18.10
		For Work In Restricted Working Space, Add	*10.86*	

23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0175)*

23 05 29 00-0250	EA	4" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	63.99	7.92
		For Work In Restricted Working Space, Add	*4.72*	
23 05 29 00-0251	EA	6" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	69.03	8.49
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0252	EA	8" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	118.76	9.05
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0253	EA	10" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	131.73	9.05
		For Work In Restricted Working Space, Add	*5.42*	
23 05 29 00-0254	EA	12" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	188.28	10.18
		For Work In Restricted Working Space, Add	*6.11*	
23 05 29 00-0255	EA	14" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	287.34	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0256	EA	16" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	384.92	13.58
		For Work In Restricted Working Space, Add	*8.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0257	EA	18" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	458.04	15.84
		For Work In Restricted Working Space, Add	*9.51*	
23 05 29 00-0258	EA	20" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	667.60	16.98
		For Work In Restricted Working Space, Add	*10.19*	
23 05 29 00-0259	EA	24" Diameter Size, Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	912.13	18.10
		For Work In Restricted Working Space, Add	*10.86*	
23 05 29 00-0260		Split Pipe Clamps And Rings *(23 05 29 00-0001)*		
23 05 29 00-0261		Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0260)*		
		Note: Type 6.		
23 05 29 00-0262	EA	3/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	31.14	10.39
		For Work In Restricted Working Space, Add	*6.24*	
23 05 29 00-0263	EA	1" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	32.98	11.01
		For Work In Restricted Working Space, Add	*6.60*	
23 05 29 00-0264	EA	1-1/4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	35.95	12.23
		For Work In Restricted Working Space, Add	*7.34*	
23 05 29 00-0265	EA	1-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	38.62	12.84
		For Work In Restricted Working Space, Add	*7.70*	
23 05 29 00-0266	EA	2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	41.58	13.46
		For Work In Restricted Working Space, Add	*8.07*	
23 05 29 00-0267	EA	2-1/2" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	50.49	14.06
		For Work In Restricted Working Space, Add	*8.44*	
23 05 29 00-0268	EA	3" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	55.16	14.67
		For Work In Restricted Working Space, Add	*8.81*	
23 05 29 00-0269	EA	4" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	72.39	16.51
		For Work In Restricted Working Space, Add	*9.91*	
23 05 29 00-0270	EA	5" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	91.99	20.79
		For Work In Restricted Working Space, Add	*12.47*	
23 05 29 00-0271	EA	6" Diameter Size, Adjustable Swivel Ring (Cooper B-Line B3171)	121.87	24.46
		For Work In Restricted Working Space, Add	*14.67*	
23 05 29 00-0272		Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0260)*		
		Note: Type 11.		
23 05 29 00-0273	EA	1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	20.90	8.61
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0274	EA	3/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	22.03	8.61
		For Work In Restricted Working Space, Add	*5.51*	
23 05 29 00-0275	EA	1" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	24.29	11.06
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0276	EA	1-1/4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	26.29	11.06
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0277	EA	1-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	29.07	11.06
		For Work In Restricted Working Space, Add	*6.70*	
23 05 29 00-0278	EA	2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	33.74	12.29
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0279	EA	2-1/2" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	43.89	12.29
		For Work In Restricted Working Space, Add	*7.68*	
23 05 29 00-0280	EA	3" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	48.52	13.52
		For Work In Restricted Working Space, Add	*8.02*	
23 05 29 00-0281	EA	4" Diameter Size, Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	51.79	14.75
		For Work In Restricted Working Space, Add	*8.78*	
23 05 29 00-0282		Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*		
		Note: Type 12.		
23 05 29 00-0283	EA	1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	20.90	8.61
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0284	EA	3/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	22.03	9.22
		For Work In Restricted Working Space, Add	*5.51*	
23 05 29 00-0285	EA	1" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	24.29	10.45
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0286	EA	1-1/4" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	26.29	11.06
		For Work In Restricted Working Space, Add	*6.47*	
23 05 29 00-0287	EA	1-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	29.07	11.06
		For Work In Restricted Working Space, Add	*6.70*	
23 05 29 00-0288	EA	2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	33.74	12.29
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0289	EA	2-1/2" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	43.89	12.90
		For Work In Restricted Working Space, Add	*7.68*	
23 05 29 00-0290	EA	3" Diameter Size, Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	48.52	13.52
		For Work In Restricted Working Space, Add	*8.02*	
23 05 29 00-0291		Pipe Straps *(23 05 29 00-0001)*		
23 05 29 00-0292		Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0291)*		
23 05 29 00-0293	EA	1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.27	6.15
		For Work In Restricted Working Space, Add	*3.69*	
23 05 29 00-0294	EA	3/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.91	7.38
		For Work In Restricted Working Space, Add	*3.88*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0295	EA	1" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.64	7.38
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0296	EA	1-1/4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	16.54	7.38
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0297	EA	1-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	17.50	8.61
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0298	EA	2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	19.91	8.61
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0299	EA	2-1/2" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	23.92	8.61
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0300	EA	3" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	30.05	8.61
		For Work In Restricted Working Space, Add	*5.67*	
23 05 29 00-0301	EA	4" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	35.54	11.06
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0302	EA	6" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	43.08	12.29
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0303	EA	8" Diameter Size, Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	53.08	13.52
		For Work In Restricted Working Space, Add	*8.11*	

23 05 29 00-0304 Two Hole Copper-Clad Pipe Straps *(23 05 29 00-0291)*

23 05 29 00-0305	EA	1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	6.82	
		For Work In Restricted Working Space, Add	*1.85*	
23 05 29 00-0306	EA	3/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	7.24	
		For Work In Restricted Working Space, Add	*1.94*	
23 05 29 00-0307	EA	1" Diameter Size, Two Hole Copper-Clad Pipe Strap	8.14	
		For Work In Restricted Working Space, Add	*2.03*	
23 05 29 00-0308	EA	1-1/4" Diameter Size, Two Hole Copper-Clad Pipe Strap	9.06	
		For Work In Restricted Working Space, Add	*2.12*	
23 05 29 00-0309	EA	1-1/2" Diameter Size, Two Hole Copper-Clad Pipe Strap	9.75	
		For Work In Restricted Working Space, Add	*2.21*	
23 05 29 00-0310	EA	2" Diameter Size, Two Hole Copper-Clad Pipe Strap	10.58	
		For Work In Restricted Working Space, Add	*2.40*	

23 05 29 00-0311 One Hole Galvanized Steel Pipe Straps *(23 05 29 00-0291)*

23 05 29 00-0312	EA	1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.93	
		For Work In Restricted Working Space, Add	*0.62*	
23 05 29 00-0313	EA	3/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.44	
		For Work In Restricted Working Space, Add	*0.66*	
23 05 29 00-0314	EA	1" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.71	
		For Work In Restricted Working Space, Add	*0.71*	
23 05 29 00-0315	EA	1-1/4" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.98	
		For Work In Restricted Working Space, Add	*0.77*	
23 05 29 00-0316	EA	1-1/2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.29	
		For Work In Restricted Working Space, Add	*0.84*	
23 05 29 00-0317	EA	2" Diameter Size, One Hole Galvanized Steel Pipe Strap (Anvil 185D)	4.77	
		For Work In Restricted Working Space, Add	*0.92*	

23 05 29 00-0318 Pipe and Equipment Support Brackets *(23 05 29 00-0001)*

23 05 29 00-0319 Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068) *(23 05 29 00-0318)*

Note: Up to 750# load.

23 05 29 00-0320	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	115.93	13.58
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized, Add	*17.75*	
23 05 29 00-0321	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	117.55	13.58
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized, Add	*18.08*	
23 05 29 00-0322	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	123.97	13.58
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized, Add	*19.36*	

23 05 29 00-0323 Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066) *(23 05 29 00-0318)*

Note: Up to 1500# load.

23 05 29 00-0324	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	272.77	13.58
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized, Add	*49.12*	
23 05 29 00-0325	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	318.94	13.58
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized, Add	*58.36*	
23 05 29 00-0326	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	413.09	13.58
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized, Add	*77.19*	

23 05 29 00-0327 Pipe Alignment Guide *(23 05 29 00-0001)*

23 05 29 00-0328 Pipe Alignment Guide, 1" Insulation *(23 05 29 00-0327)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0329	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	455.81	21.50
23 05 29 00-0330	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	456.93	22.07
23 05 29 00-0331	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	458.07	22.64
23 05 29 00-0332	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	459.20	23.20
23 05 29 00-0333	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	500.54	23.76
23 05 29 00-0334	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	511.32	26.03
23 05 29 00-0335	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	513.01	26.88
23 05 29 00-0336	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	514.71	27.73
23 05 29 00-0337	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	544.79	29.42
23 05 29 00-0338	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	636.35	37.35
23 05 29 00-0339	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	652.18	45.27
23 05 29 00-0340	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	736.97	56.58
23 05 29 00-0341	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,350.09	67.90
23 05 29 00-0342	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,050.33	90.53
23 05 29 00-0343	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	2,523.66	113.17
23 05 29 00-0344	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,033.31	126.74
23 05 29 00-0345	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	3,273.30	141.47
23 05 29 00-0346	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	3,482.68	161.83
23 05 29 00-0347	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	4,376.38	169.75
23 05 29 00-0348		**Pipe Alignment Guide, 1-1/2" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0349	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	456.93	22.07
23 05 29 00-0350	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	498.28	22.64
23 05 29 00-0351	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	499.41	23.20
23 05 29 00-0352	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	500.54	23.76
23 05 29 00-0353	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	501.68	24.33
23 05 29 00-0354	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	512.45	26.59
23 05 29 00-0355	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	514.15	27.44
23 05 29 00-0356	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	542.52	28.30
23 05 29 00-0357	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	545.92	29.99
23 05 29 00-0358	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	638.04	38.19
23 05 29 00-0359	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	654.45	46.40
23 05 29 00-0360	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	739.80	58.00
23 05 29 00-0361	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,353.48	69.60
23 05 29 00-0362	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,054.86	92.80
23 05 29 00-0363	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	2,529.32	116.00
23 05 29 00-0364	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,040.10	130.15
23 05 29 00-0365	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	3,280.09	144.86
23 05 29 00-0366	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	3,490.61	165.79
23 05 29 00-0367	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	4,384.87	174.00
23 05 29 00-0368		**Pipe Alignment Guide, 2" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0369	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	498.28	22.64
23 05 29 00-0370	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	505.66	23.20
23 05 29 00-0371	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	506.79	23.76
23 05 29 00-0372	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	507.93	24.33
23 05 29 00-0373	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	509.05	24.90
23 05 29 00-0374	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	540.26	27.16
23 05 29 00-0375	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	542.52	28.30
23 05 29 00-0376	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	543.94	29.00
23 05 29 00-0377	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	622.76	30.55
23 05 29 00-0378	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	639.74	39.04
23 05 29 00-0379	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	718.87	47.53
23 05 29 00-0380	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	811.47	59.41
23 05 29 00-0381	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,356.87	71.29
23 05 29 00-0382	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,059.38	95.07
23 05 29 00-0383	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	2,534.97	118.83
23 05 29 00-0384	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,046.63	133.41
23 05 29 00-0385	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	3,287.45	148.53
23 05 29 00-0386	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	3,498.52	169.75
23 05 29 00-0387	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	4,393.36	178.24
23 05 29 00-0388		**Pipe Alignment Guide, 2-1/2" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0389	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	505.66	23.20
23 05 29 00-0390	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	533.47	23.76
23 05 29 00-0391	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	534.61	24.33
23 05 29 00-0392	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	535.73	24.90
23 05 29 00-0393	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	536.86	25.47
23 05 29 00-0394	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	541.39	27.73
23 05 29 00-0395	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	543.94	29.00
23 05 29 00-0396	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	621.06	29.70
23 05 29 00-0397	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	623.89	31.12
23 05 29 00-0398	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	703.02	39.61
23 05 29 00-0399	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	721.12	48.67
23 05 29 00-0400	EA	8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,335.94	60.83
23 05 29 00-0401	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,015.25	72.99
23 05 29 00-0402	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	2,491.97	97.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0403	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	2,541.06	121.66
23 05 29 00-0404	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,053.68	136.93
23 05 29 00-0405	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	3,294.80	152.21
23 05 29 00-0406	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	3,507.01	174.00
23 05 29 00-0407	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	4,402.41	182.77
23 05 29 00-0408		**Pipe Alignment Guide, 3" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0409	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	533.47	23.76
23 05 29 00-0410	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	534.61	24.33
23 05 29 00-0411	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	535.73	24.90
23 05 29 00-0412	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	536.86	25.47
23 05 29 00-0413	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	538.00	26.03
23 05 29 00-0414	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	618.23	28.30
23 05 29 00-0415	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	621.06	29.70
23 05 29 00-0416	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	622.76	30.55
23 05 29 00-0417	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	687.63	31.91
23 05 29 00-0418	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	705.28	40.74
23 05 29 00-0419	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	792.23	49.79
23 05 29 00-0420	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,338.77	62.24
23 05 29 00-0421	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,018.64	74.70
23 05 29 00-0422	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	2,496.49	99.59
23 05 29 00-0423	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	2,546.72	124.49
23 05 29 00-0424	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,060.47	140.33
23 05 29 00-0425	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	3,301.60	155.60
23 05 29 00-0426	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	3,515.50	178.24
23 05 29 00-0427	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	4,411.46	187.29
23 05 29 00-0428		**Pipe Alignment Guide, 3-1/2" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0429	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	534.61	24.33
23 05 29 00-0430	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	611.44	24.90
23 05 29 00-0431	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	612.57	25.47
23 05 29 00-0432	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	613.71	26.03
23 05 29 00-0433	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	614.84	26.59
23 05 29 00-0434	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	619.65	29.00
23 05 29 00-0435	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	622.53	30.44
23 05 29 00-0436	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	686.44	31.32
23 05 29 00-0437	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	689.44	32.82
23 05 29 00-0438	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	776.39	41.87
23 05 29 00-0439	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,316.13	50.92
23 05 29 00-0440	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	1,996.58	63.66
23 05 29 00-0441	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	2,450.87	76.56
23 05 29 00-0442	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	2,983.51	101.85
23 05 29 00-0443	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,035.01	127.60
23 05 29 00-0444	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	3,287.76	143.72
23 05 29 00-0445	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	3,478.15	159.57
23 05 29 00-0446	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	4,401.28	182.20
23 05 29 00-0447		**Pipe Alignment Guide, 4" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0448	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	611.44	24.90
23 05 29 00-0449	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	612.57	25.47
23 05 29 00-0450	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	613.71	26.03
23 05 29 00-0451	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	614.84	26.59
23 05 29 00-0452	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	615.97	27.16
23 05 29 00-0453	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	683.21	29.70
23 05 29 00-0454	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	686.04	31.12
23 05 29 00-0455	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	687.96	32.08
23 05 29 00-0456	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	759.97	33.67
23 05 29 00-0457	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,300.28	43.01
23 05 29 00-0458	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,318.40	52.06
23 05 29 00-0459	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	1,999.41	65.07
23 05 29 00-0460	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	2,455.05	78.65
23 05 29 00-0461	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	2,988.61	104.40
23 05 29 00-0462	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	3,250.67	130.15
23 05 29 00-0463	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	3,453.26	147.11
23 05 29 00-0464	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	4,365.07	164.09
23 05 29 00-0465		**Sway Bracing For No Hub Pipe** *(23 05 29 00-0001)*		
23 05 29 00-0466	EA	1-1/2" Diameter Size, Sway Bracing	156.59	14.94
		For Work In Restricted Working Space, Add	*8.94*	
23 05 29 00-0467	EA	2" Diameter Size, Sway Bracing	161.26	15.73
		For Work In Restricted Working Space, Add	*9.43*	
23 05 29 00-0468	EA	3" Diameter Size, Sway Bracing	166.96	16.63
		For Work In Restricted Working Space, Add	*9.99*	
23 05 29 00-0469	EA	4" Diameter Size, Sway Bracing	189.51	18.90
		For Work In Restricted Working Space, Add	*11.32*	
23 05 29 00-0470	EA	6" Diameter Size, Sway Bracing	277.93	28.30
		For Work In Restricted Working Space, Add	*16.97*	

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23 05 29 00-0471	EA	8" Diameter Size, Sway Bracing	307.11	35.31
		For Work In Restricted Working Space, Add	*21.22*	
23 05 29 00-0472	EA	10" Diameter Size, Sway Bracing	344.83	47.20
		For Work In Restricted Working Space, Add	*28.29*	
23 05 29 00-0473		**Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle)** *(23 05 29 00-0001)*		
		Note: Heights listed is total for base and adjustable saddle		
23 05 29 00-0474	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	368.94	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	376.82	12.45
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0476	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	736.24	14.15
		For Work In Restricted Working Space, Add	*8.49*	
23 05 29 00-0477	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	906.07	15.84
		For Work In Restricted Working Space, Add	*9.51*	
23 05 29 00-0478	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	917.17	17.54
		For Work In Restricted Working Space, Add	*10.52*	
23 05 29 00-0479	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,006.45	19.81
		For Work In Restricted Working Space, Add	*11.88*	
23 05 29 00-0480	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,203.94	21.50
		For Work In Restricted Working Space, Add	*12.90*	
23 05 29 00-0481	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,217.49	23.20
		For Work In Restricted Working Space, Add	*13.92*	
23 05 29 00-0482	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,234.80	25.47
		For Work In Restricted Working Space, Add	*15.28*	
23 05 29 00-0483	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,284.48	27.73
		For Work In Restricted Working Space, Add	*16.64*	
23 05 29 00-0484	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,373.85	30.55
		For Work In Restricted Working Space, Add	*18.33*	
23 05 29 00-0485	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,413.56	33.95
		For Work In Restricted Working Space, Add	*20.37*	
23 05 29 00-0486	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,724.86	37.35
		For Work In Restricted Working Space, Add	*22.41*	
23 05 29 00-0487	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,878.01	41.87
		For Work In Restricted Working Space, Add	*25.13*	
23 05 29 00-0488	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,662.06	46.40
		For Work In Restricted Working Space, Add	*27.84*	
23 05 29 00-0489	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,267.99	50.92
		For Work In Restricted Working Space, Add	*30.56*	
23 05 29 00-0490	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Diameter Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	3,912.86	55.45
		For Work In Restricted Working Space, Add	*33.27*	
23 05 29 00-0491		**Channel Mounted Cushion Clamp** *(23 05 29 00-0001)*		
		Note: Includes fastening into channel.		
23 05 29 00-0492	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	13.43	5.10
23 05 29 00-0493	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	14.14	5.66
23 05 29 00-0494	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	15.62	5.94
23 05 29 00-0495	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	16.70	6.22
23 05 29 00-0496	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	18.63	6.79
23 05 29 00-0497	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	20.74	7.07
23 05 29 00-0498	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	25.97	7.36
23 05 29 00-0499	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	28.69	7.92
23 05 29 00-0500	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	35.17	9.05
23 05 29 00-0501	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	52.82	10.18
23 05 29 00-0502		**Galvanized Steel Cushion Tube Clamp (KMC)** *(23 05 29 00-0001)*		
		Note: Excludes fastening bolt and drilling if necessary.		
23 05 29 00-0503	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.50	
23 05 29 00-0504	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	4.69	
23 05 29 00-0505	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.82	

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23 05 29 00-0506	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.14	
23 05 29 00-0507	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.76	
23 05 29 00-0508	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.33	
23 05 29 00-0509	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	4.98	
23 05 29 00-0510	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.67	
23 05 29 00-0511	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	5.70	
23 05 29 00-0512	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	5.29	
23 05 29 00-0513	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	5.61	
23 05 29 00-0514	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.59	
23 05 29 00-0515	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.64	
23 05 29 00-0516	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.27	
23 05 29 00-0517	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.32	
23 05 29 00-0518	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	7.41	
23 05 29 00-0519	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	7.98	
23 05 29 00-0520	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	9.12	
23 05 29 00-0521	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.46	
23 05 29 00-0522	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.17	
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.29	
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	9.81	
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.17	
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	11.99	
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.25	
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.07	
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.26	
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	10.16	
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	11.36	
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	14.96	
23 05 29 00-0533		Rooftop Pipe Supports *(23 05 29 00-0001)* Note: Excludes pipe/conduit clamps and straps.		
23 05 29 00-0534		Rooftop Support Base *(23 05 29 00-0533)*		
23 05 29 00-0535	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	40.55	9.22
23 05 29 00-0536	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	56.47	12.29
23 05 29 00-0537		Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0533)*		
23 05 29 00-0538	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	46.05	9.22
23 05 29 00-0539	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	65.42	12.29
23 05 29 00-0540	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	120.67	15.36
23 05 29 00-0541	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	166.73	18.44
23 05 29 00-0542	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	230.83	21.51
23 05 29 00-0543	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	243.46	24.58
23 05 29 00-0544		Rooftop Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0533)*		
23 05 29 00-0545	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	80.03	12.29
23 05 29 00-0546	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	127.19	15.36
23 05 29 00-0547	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	169.35	18.44
23 05 29 00-0548	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	230.98	21.51
23 05 29 00-0549	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	259.74	18.44
23 05 29 00-0550		Rooftop Bridge Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0533)*		

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23 05 29 00-0551	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	134.01	18.44
23 05 29 00-0552	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	152.64	21.51
23 05 29 00-0553	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	158.73	24.58
23 05 29 00-0554	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	173.76	27.65
23 05 29 00-0555	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	222.30	30.73
23 05 29 00-0556		**Rooftop Pipe Support Base And Rod** *(23 05 29 00-0533)*		
23 05 29 00-0557	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	97.34	12.29
23 05 29 00-0558	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	97.34	12.29
23 05 29 00-0559	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	97.88	12.29
23 05 29 00-0560	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	104.59	15.36
23 05 29 00-0561	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	100.59	15.36
23 05 29 00-0562	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	105.73	15.36
23 05 29 00-0563		**Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly** *(23 05 29 00-0533)*		
23 05 29 00-0564	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	123.52	12.29
23 05 29 00-0565	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	137.88	12.29
23 05 29 00-0566	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	180.74	15.36
23 05 29 00-0567	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	239.43	15.36
23 05 29 00-0568	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	326.60	15.36
23 05 29 00-0569		**Rooftop Support Base And Adjustable Height Roller Assembly** *(23 05 29 00-0533)* Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0570	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	153.91	18.44
23 05 29 00-0571		**Rooftop Support Base And Adjustable Height Channel Assembly** *(23 05 29 00-0533)* Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0572	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	100.86	15.36
23 05 29 00-0573	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	137.49	18.44
23 05 29 00-0574	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	153.31	21.51
23 05 29 00-0575		**Rooftop Support Bases With Channel Support And Risers Assembly** *(23 05 29 00-0533)* Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0576	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	370.57	24.58
23 05 29 00-0577	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	374.70	24.58
23 05 29 00-0578	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	389.19	24.58
23 05 29 00-0579	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	422.46	24.58
23 05 29 00-0580	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	363.19	24.58
23 05 29 00-0581	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	377.06	24.58
23 05 29 00-0582	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	391.55	24.58
23 05 29 00-0583	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	424.80	24.58
23 05 29 00-0584	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	379.67	24.58
23 05 29 00-0585	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	384.51	24.58
23 05 29 00-0586	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	398.72	24.58
23 05 29 00-0587	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	432.12	24.58
23 05 29 00-0588	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	396.51	24.58
23 05 29 00-0589	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	400.92	24.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0590	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	415.14	24.58
23 05 29 00-0591	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	448.54	24.58

23 05 29 00-0592 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0593 Threaded Rod And Rod Accessories *(23 05 29 00-0592)*

23 05 29 00-0594 Threaded Rod *(23 05 29 00-0593)*

Note: Fully threaded.

23 05 29 00-0595	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.75	0.77
		For Work In Restricted Working Space, Add	*0.46*	
		For Zinc Plated, Add	*0.63*	
		For Galvanized, Add	*0.88*	
23 05 29 00-0596	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.14	0.83
		For Work In Restricted Working Space, Add	*0.49*	
		For Zinc Plated, Add	*1.00*	
		For Galvanized, Add	*1.40*	
23 05 29 00-0597	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.14	0.85
		For Work In Restricted Working Space, Add	*0.51*	
		For Zinc Plated, Add	*1.55*	
		For Galvanized, Add	*2.18*	
23 05 29 00-0598	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.63	0.88
		For Work In Restricted Working Space, Add	*0.52*	
		For Zinc Plated, Add	*2.82*	
		For Galvanized, Add	*3.96*	
23 05 29 00-0599	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.68	0.91
		For Work In Restricted Working Space, Add	*0.54*	
		For Zinc Plated, Add	*3.10*	
		For Galvanized, Add	*4.35*	
23 05 29 00-0600	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	17.32	1.02
		For Work In Restricted Working Space, Add	*0.62*	
		For Zinc Plated, Add	*4.35*	
		For Galvanized, Add	*6.11*	
23 05 29 00-0601	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.53	1.14
		For Work In Restricted Working Space, Add	*0.68*	
		For Zinc Plated, Add	*5.49*	
		For Galvanized, Add	*7.70*	

23 05 29 00-0602 Rod Couplings *(23 05 29 00-0593)*

23 05 29 00-0603	EA	3/8" Diameter, Threaded Rod Coupling Nut	9.08	
		For Work In Restricted Working Space, Add	*2.26*	
23 05 29 00-0604	EA	1/2" Diameter, Threaded Rod Coupling Nut	10.31	
		For Work In Restricted Working Space, Add	*2.51*	
23 05 29 00-0605	EA	5/8" Diameter, Threaded Rod Coupling Nut	12.86	
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0606	EA	3/4" Diameter, Threaded Rod Coupling Nut	15.64	
		For Work In Restricted Working Space, Add	*3.09*	
23 05 29 00-0607	EA	7/8" Diameter, Threaded Rod Coupling Nut	22.81	
		For Work In Restricted Working Space, Add	*3.40*	
23 05 29 00-0608	EA	1" Diameter, Threaded Rod Coupling Nut	27.06	
		For Work In Restricted Working Space, Add	*4.00*	
23 05 29 00-0609	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	51.47	
		For Work In Restricted Working Space, Add	*4.53*	

23 05 29 00-0610 Flat Washers *(23 05 29 00-0593)*

Note: Zinc plated.

23 05 29 00-0611	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.64	0.24
		For Work In Restricted Working Space, Add	*0.15*	
		For Galvanized, Add	*0.03*	
23 05 29 00-0612	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.87	0.24
		For Work In Restricted Working Space, Add	*0.17*	
		For Galvanized, Add	*0.07*	
23 05 29 00-0613	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.24	0.37
		For Work In Restricted Working Space, Add	*0.20*	
		For Galvanized, Add	*0.14*	
23 05 29 00-0614	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.69	0.37
		For Work In Restricted Working Space, Add	*0.26*	
		For Galvanized, Add	*0.20*	
23 05 29 00-0615	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.99	0.49
		For Work In Restricted Working Space, Add	*0.31*	
		For Galvanized, Add	*0.24*	
23 05 29 00-0616	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.32	0.49
		For Work In Restricted Working Space, Add	*0.34*	
		For Galvanized, Add	*0.30*	
23 05 29 00-0617	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.61	0.61
		For Work In Restricted Working Space, Add	*0.38*	
		For Galvanized, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0618		**Hex Nuts** *(23 05 29 00-0593)* Note: Grade 2 and zinc plated.		
23 05 29 00-0619	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.80	0.31
		For Work In Restricted Working Space, Add	*0.21*	
		For Galvanized, Add	*0.03*	
23 05 29 00-0620	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.02	0.31
		For Work In Restricted Working Space, Add	*0.23*	
		For Galvanized, Add	*0.06*	
23 05 29 00-0621	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.37	0.31
		For Work In Restricted Working Space, Add	*0.24*	
		For Galvanized, Add	*0.14*	
23 05 29 00-0622	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.62	0.61
		For Work In Restricted Working Space, Add	*0.26*	
		For Galvanized, Add	*0.19*	
23 05 29 00-0623	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.33	0.61
		For Work In Restricted Working Space, Add	*0.27*	
		For Galvanized, Add	*0.36*	
23 05 29 00-0624	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.96	0.61
		For Work In Restricted Working Space, Add	*0.31*	
		For Galvanized, Add	*0.48*	
23 05 29 00-0625	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.79	0.61
		For Work In Restricted Working Space, Add	*0.34*	
		For Galvanized, Add	*0.91*	
23 05 29 00-0626		**Turnbuckle (Cooper B-Line B3202)** *(23 05 29 00-0593)* Note: Type 13.		
23 05 29 00-0627	EA	3/8" Diameter, Turnbuckle (Cooper B-Line B3202)	26.74	6.15
		For Work In Restricted Working Space, Add	*3.69*	
23 05 29 00-0628	EA	1/2" Diameter, Turnbuckle (Cooper B-Line B3202)	31.62	6.76
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0629	EA	5/8" Diameter, Turnbuckle (Cooper B-Line B3202)	34.14	7.38
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0630	EA	3/4" Diameter, Turnbuckle (Cooper B-Line B3202)	42.71	8.61
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0631	EA	7/8" Diameter, Turnbuckle (Cooper B-Line B3202)	54.97	9.22
		For Work In Restricted Working Space, Add	*6.15*	
23 05 29 00-0632	EA	1" Diameter, Turnbuckle (Cooper B-Line B3202)	68.11	9.84
		For Work In Restricted Working Space, Add	*7.38*	
23 05 29 00-0633	EA	1-1/8" Diameter, Turnbuckle (Cooper B-Line B3202)	94.00	11.07
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0634		**Swivel Turnbuckle (Cooper B-Line B3224)** *(23 05 29 00-0593)* Note: Type 15.		
23 05 29 00-0635	EA	3/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	17.61	6.15
		For Work In Restricted Working Space, Add	*3.69*	
23 05 29 00-0636	EA	1/2" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	20.29	6.88
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0637	EA	5/8" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	26.49	7.62
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0638	EA	3/4" Diameter, Swivel Turnbuckle (Cooper B-Line B3224)	31.88	8.73
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0639		**Forged Steel Clevis (Cooper B-Line B3201)** *(23 05 29 00-0593)* Note: Type 14.		
23 05 29 00-0640	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Diameter Rod Size (Cooper B-Line B3201)	86.41	11.32
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0641	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Diameter Rod Size (Cooper B-Line B3201)	126.04	11.88
		For Work In Restricted Working Space, Add	*7.15*	
23 05 29 00-0642	EA	5-1/16" Forged Steel Clevis With Pin, 1" Diameter Rod Size (Cooper B-Line B3201)	136.24	12.45
		For Work In Restricted Working Space, Add	*7.55*	
23 05 29 00-0643	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Diameter Rod Size (Cooper B-Line B3201)	141.93	13.58
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0644	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Diameter Rod Size (Cooper B-Line B3201)	149.71	15.28
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0645	EA	6" Forged Steel Clevis With Pin, 1-1/2" Diameter Rod Size (Cooper B-Line B3201)	247.89	19.81
		For Work In Restricted Working Space, Add	*11.88*	
23 05 29 00-0646	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Diameter Rod Size (Cooper B-Line B3201)	269.38	22.64
		For Work In Restricted Working Space, Add	*13.58*	
23 05 29 00-0647	EA	7" Forged Steel Clevis With Pin, 2" Diameter Rod Size (Cooper B-Line B3201)	318.04	28.30
		For Work In Restricted Working Space, Add	*16.97*	
23 05 29 00-0648		**Welded Eye Rod (Cooper B-Line B3211)** *(23 05 29 00-0593)*		
23 05 29 00-0649	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	26.75	6.63
		For Work In Restricted Working Space, Add	*3.99*	
23 05 29 00-0650	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	27.59	6.76
		For Work In Restricted Working Space, Add	*4.07*	
23 05 29 00-0651	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	28.42	6.88
		For Work In Restricted Working Space, Add	*4.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0652	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	28.67	7.01
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0653	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	30.35	7.25
		For Work In Restricted Working Space, Add	*4.38*	
23 05 29 00-0654	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	32.30	7.74
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0655	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	33.64	8.11
		For Work In Restricted Working Space, Add	*4.84*	
23 05 29 00-0656	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	36.17	8.48
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0657	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	38.09	8.85
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0658	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	40.04	9.22
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0659	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	35.16	7.38
		For Work In Restricted Working Space, Add	*4.42*	
23 05 29 00-0660	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	36.01	7.50
		For Work In Restricted Working Space, Add	*4.50*	
23 05 29 00-0661	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	36.88	7.62
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0662	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	37.74	7.74
		For Work In Restricted Working Space, Add	*4.67*	
23 05 29 00-0663	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	39.45	7.99
		For Work In Restricted Working Space, Add	*4.83*	
23 05 29 00-0664	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	42.60	8.49
		For Work In Restricted Working Space, Add	*5.08*	
23 05 29 00-0665	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	45.17	8.85
		For Work In Restricted Working Space, Add	*5.32*	
23 05 29 00-0666	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	48.33	9.22
		For Work In Restricted Working Space, Add	*5.57*	
23 05 29 00-0667	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	50.87	9.72
		For Work In Restricted Working Space, Add	*5.81*	
23 05 29 00-0668	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	53.46	10.08
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0669	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	46.85	8.24
		For Work In Restricted Working Space, Add	*4.95*	
23 05 29 00-0670	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	48.28	8.36
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0671	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	49.75	8.49
		For Work In Restricted Working Space, Add	*5.12*	
23 05 29 00-0672	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	50.62	8.73
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0673	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	52.93	8.97
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0674	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	56.70	9.34
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0675	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	60.45	9.84
		For Work In Restricted Working Space, Add	*5.88*	
23 05 29 00-0676	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	63.64	10.21
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0677	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	67.41	10.69
		For Work In Restricted Working Space, Add	*6.39*	
23 05 29 00-0678	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	71.16	11.07
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0679	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	57.25	9.34
		For Work In Restricted Working Space, Add	*5.63*	
23 05 29 00-0680	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	59.30	9.46
		For Work In Restricted Working Space, Add	*5.71*	
23 05 29 00-0681	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	60.76	9.72
		For Work In Restricted Working Space, Add	*5.80*	
23 05 29 00-0682	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	62.80	9.84
		For Work In Restricted Working Space, Add	*5.89*	
23 05 29 00-0683	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	66.30	10.08
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0684	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	71.24	10.57
		For Work In Restricted Working Space, Add	*6.32*	
23 05 29 00-0685	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	76.20	10.94
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0686	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	81.75	11.44
		For Work In Restricted Working Space, Add	*6.85*	
23 05 29 00-0687	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	87.27	11.80
		For Work In Restricted Working Space, Add	*7.11*	
23 05 29 00-0688	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	92.24	12.29
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0689	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	68.42	10.82
		For Work In Restricted Working Space, Add	*6.53*	
23 05 29 00-0690	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	71.05	11.07
		For Work In Restricted Working Space, Add	*6.61*	
23 05 29 00-0691	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	73.11	11.19
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0692	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	75.15	11.31
		For Work In Restricted Working Space, Add	*6.80*	
23 05 29 00-0693	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	79.28	11.68
		For Work In Restricted Working Space, Add	*6.98*	

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23 05 29 00-0694	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	86.01	12.05
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0695	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	92.17	12.55
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0696	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	98.91	13.03
		For Work In Restricted Working Space, Add	*7.80*	
23 05 29 00-0697	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	105.07	13.40
		For Work In Restricted Working Space, Add	*8.07*	
23 05 29 00-0698	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	111.23	13.89
		For Work In Restricted Working Space, Add	*8.34*	
23 05 29 00-0699	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	85.47	13.03
		For Work In Restricted Working Space, Add	*7.79*	
23 05 29 00-0700	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	88.14	13.16
		For Work In Restricted Working Space, Add	*7.89*	
23 05 29 00-0701	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	90.82	13.28
		For Work In Restricted Working Space, Add	*7.99*	
23 05 29 00-0702	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	93.49	13.52
		For Work In Restricted Working Space, Add	*8.09*	
23 05 29 00-0703	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	98.82	13.89
		For Work In Restricted Working Space, Add	*8.30*	
23 05 29 00-0704	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	106.86	14.39
		For Work In Restricted Working Space, Add	*8.61*	
23 05 29 00-0705	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	114.90	14.88
		For Work In Restricted Working Space, Add	*8.91*	
23 05 29 00-0706	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	123.48	15.36
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0707	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	131.51	15.86
		For Work In Restricted Working Space, Add	*9.53*	
23 05 29 00-0708	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	139.55	16.35
		For Work In Restricted Working Space, Add	*9.84*	

23 05 29 00-0709 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0593)*

23 05 29 00-0710	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	54.17	8.97
		For Work In Restricted Working Space, Add	*5.41*	
23 05 29 00-0711	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	55.63	9.22
		For Work In Restricted Working Space, Add	*5.56*	
23 05 29 00-0712	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	57.11	9.58
		For Work In Restricted Working Space, Add	*5.72*	
23 05 29 00-0713	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	57.89	9.95
		For Work In Restricted Working Space, Add	*5.95*	
23 05 29 00-0714	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	60.56	10.33
		For Work In Restricted Working Space, Add	*6.17*	
23 05 29 00-0715	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	64.08	11.06
		For Work In Restricted Working Space, Add	*6.64*	
23 05 29 00-0716	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	66.57	11.80
		For Work In Restricted Working Space, Add	*7.10*	
23 05 29 00-0717	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	71.04	12.66
		For Work In Restricted Working Space, Add	*7.56*	
23 05 29 00-0718	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	69.40	9.96
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0719	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	70.90	10.21
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0720	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	72.45	10.45
		For Work In Restricted Working Space, Add	*6.30*	
23 05 29 00-0721	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	74.25	10.94
		For Work In Restricted Working Space, Add	*6.55*	
23 05 29 00-0722	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	76.97	11.31
		For Work In Restricted Working Space, Add	*6.79*	
23 05 29 00-0723	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	82.52	12.17
		For Work In Restricted Working Space, Add	*7.29*	
23 05 29 00-0724	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	87.08	12.91
		For Work In Restricted Working Space, Add	*7.78*	
23 05 29 00-0725	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	92.60	13.77
		For Work In Restricted Working Space, Add	*8.27*	
23 05 29 00-0726	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	92.09	11.07
		For Work In Restricted Working Space, Add	*6.67*	
23 05 29 00-0727	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	94.58	11.44
		For Work In Restricted Working Space, Add	*6.84*	
23 05 29 00-0728	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	97.11	11.68
		For Work In Restricted Working Space, Add	*7.01*	
23 05 29 00-0729	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	98.95	12.17
		For Work In Restricted Working Space, Add	*7.27*	
23 05 29 00-0730	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	102.70	12.55
		For Work In Restricted Working Space, Add	*7.52*	
23 05 29 00-0731	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	109.26	13.40
		For Work In Restricted Working Space, Add	*8.03*	
23 05 29 00-0732	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	115.81	14.26
		For Work In Restricted Working Space, Add	*8.54*	
23 05 29 00-0733	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	121.40	15.12
		For Work In Restricted Working Space, Add	*9.05*	
23 05 29 00-0734	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	115.92	12.55
		For Work In Restricted Working Space, Add	*7.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0735	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	119.46	12.91
		For Work In Restricted Working Space, Add	*7.73*	
23 05 29 00-0736	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	121.97	13.16
		For Work In Restricted Working Space, Add	*7.91*	
23 05 29 00-0737	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	125.75	13.64
		For Work In Restricted Working Space, Add	*8.17*	
23 05 29 00-0738	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	131.48	14.02
		For Work In Restricted Working Space, Add	*8.43*	
23 05 29 00-0739	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	140.02	14.88
		For Work In Restricted Working Space, Add	*8.95*	
23 05 29 00-0740	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	148.58	15.74
		For Work In Restricted Working Space, Add	*9.48*	
23 05 29 00-0741	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	158.11	16.72
		For Work In Restricted Working Space, Add	*10.00*	
23 05 29 00-0742	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	139.05	14.51
		For Work In Restricted Working Space, Add	*8.74*	
23 05 29 00-0743	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	143.55	14.88
		For Work In Restricted Working Space, Add	*8.92*	
23 05 29 00-0744	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	147.07	15.12
		For Work In Restricted Working Space, Add	*9.10*	
23 05 29 00-0745	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	150.89	15.62
		For Work In Restricted Working Space, Add	*9.37*	
23 05 29 00-0746	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	157.66	16.11
		For Work In Restricted Working Space, Add	*9.65*	
23 05 29 00-0747	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	169.19	16.97
		For Work In Restricted Working Space, Add	*10.19*	
23 05 29 00-0748	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	179.75	17.95
		For Work In Restricted Working Space, Add	*10.74*	
23 05 29 00-0749	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	191.29	18.81
		For Work In Restricted Working Space, Add	*11.28*	
23 05 29 00-0750	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	176.69	17.34
		For Work In Restricted Working Space, Add	*10.41*	
23 05 29 00-0751	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	181.26	17.70
		For Work In Restricted Working Space, Add	*10.61*	
23 05 29 00-0752	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	185.84	18.07
		For Work In Restricted Working Space, Add	*10.82*	
23 05 29 00-0753	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	190.76	18.57
		For Work In Restricted Working Space, Add	*11.13*	
23 05 29 00-0754	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	199.52	19.06
		For Work In Restricted Working Space, Add	*11.43*	
23 05 29 00-0755	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	213.26	20.04
		For Work In Restricted Working Space, Add	*12.05*	
23 05 29 00-0756	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	227.01	21.14
		For Work In Restricted Working Space, Add	*12.67*	
23 05 29 00-0757	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	241.63	22.13
		For Work In Restricted Working Space, Add	*13.28*	

23 05 29 00-0758 Attachments *(23 05 29 00-0592)*

23 05 29 00-0759 Welded Beam Attachments (Cooper B-Line B-3083) *(23 05 29 00-0758)*

Note: Type 22.

23 05 29 00-0760	EA	3/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	58.14	11.47
		For Work In Restricted Working Space, Add	*6.88*	
23 05 29 00-0761	EA	1/2" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	62.12	12.05
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0762	EA	5/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	66.20	12.74
		For Work In Restricted Working Space, Add	*7.65*	
23 05 29 00-0763	EA	3/4" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	85.94	13.54
		For Work In Restricted Working Space, Add	*8.10*	
23 05 29 00-0764	EA	7/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	104.11	14.35
		For Work In Restricted Working Space, Add	*8.61*	
23 05 29 00-0765	EA	1" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	147.93	16.41
		For Work In Restricted Working Space, Add	*9.84*	
23 05 29 00-0766	EA	1-1/8" Diameter Rod Size, Welded Beam Attachment With Pin (Cooper B-Line B-3083)	212.71	17.22
		For Work In Restricted Working Space, Add	*10.33*	

23 05 29 00-0767 C-Clamp Style Beam Clamps (Cooper B-Line B-3034) *(23 05 29 00-0758)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0768	EA	3/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	19.67	6.27
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0769	EA	1/2" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	23.84	7.99
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0770	EA	5/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	27.25	8.61
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0771	EA	3/4" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	35.73	9.22
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0772	EA	7/8" Diameter Rod Size, C-Clamp Style Beam Clamp (Cooper B-Line B-3034)	53.15	9.84
		For Work In Restricted Working Space, Add	*6.15*	

23 05 29 00-0773 Bottom Mount I-Beam Clamps (Cooper B-Line B-3055) *(23 05 29 00-0758)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0774	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	58.27	8.61
		For Work In Restricted Working Space, Add	*6.14*	
23 05 29 00-0775	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	87.11	11.07
		For Work In Restricted Working Space, Add	*6.71*	
23 05 29 00-0776	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	125.85	12.29
		For Work In Restricted Working Space, Add	*7.38*	
23 05 29 00-0777	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	151.03	13.52
		For Work In Restricted Working Space, Add	*8.20*	
23 05 29 00-0778	EA	1" Diameter Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (Cooper B-Line B-3055)	372.31	14.75
		For Work In Restricted Working Space, Add	*9.22*	

23 05 29 00-0779 Steel U-Bolts (Cooper B-Line B-3188) *(23 05 29 00-0758)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0780	EA	1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	16.07	3.07
		For Work In Restricted Working Space, Add	*3.69*	
23 05 29 00-0781	EA	3/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	17.51	3.68
		For Work In Restricted Working Space, Add	*3.88*	
23 05 29 00-0782	EA	1" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	18.91	3.68
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0783	EA	1-1/4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	21.69	3.68
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0784	EA	1-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	22.32	4.30
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0785	EA	2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	23.90	4.30
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0786	EA	2-1/2" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	35.55	4.30
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0787	EA	3" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	39.28	4.91
		For Work In Restricted Working Space, Add	*5.67*	
23 05 29 00-0788	EA	4" Diameter Size, Steel U-Bolt (Cooper B-Line B-3188)	47.89	5.53
		For Work In Restricted Working Space, Add	*6.14*	

23 05 29 00-0789 Copper Standoff Brackets With Flange *(23 05 29 00-0758)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0790	EA	1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	36.78	17.58
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0791	EA	3/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	36.88	17.58
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0792	EA	1" Diameter Clamp Size, Copper Standoff Brackets With Flange	36.99	17.58
		For Work In Restricted Working Space, Add	*10.54*	
23 05 29 00-0793	EA	1-1/4" Diameter Clamp Size, Copper Standoff Brackets With Flange	39.31	18.69
		For Work In Restricted Working Space, Add	*11.18*	
23 05 29 00-0794	EA	1-1/2" Diameter Clamp Size, Copper Standoff Brackets With Flange	39.51	18.69
		For Work In Restricted Working Space, Add	*11.18*	

23 05 29 00-0795 Malleable Iron Eye Sockets (Cooper B-Line B-3222) *(23 05 29 00-0758)*

Note: Type 16.

23 05 29 00-0796	EA	3/8" Diameter Rod Size, Malleable Iron Eye Socket	13.25	1.84
		For Work In Restricted Working Space, Add	*1.12*	
23 05 29 00-0797	EA	1/2" Diameter Rod Size, Malleable Iron Eye Socket	16.86	2.46
		For Work In Restricted Working Space, Add	*1.47*	
23 05 29 00-0798	EA	5/8" Diameter Rod Size, Malleable Iron Eye Socket	29.50	2.46
		For Work In Restricted Working Space, Add	*1.49*	
23 05 29 00-0799	EA	3/4" Diameter Rod Size, Malleable Iron Eye Socket	41.90	2.46
		For Work In Restricted Working Space, Add	*1.47*	
23 05 29 00-0800	EA	7/8" Diameter Rod Size, Malleable Iron Eye Socket	45.13	3.07
		For Work In Restricted Working Space, Add	*1.85*	

23 05 29 00-0801 Steel Weldless Eye Nuts (Cooper B-Line B-3200) *(23 05 29 00-0758)*

Note: Type 17.

23 05 29 00-0802	EA	3/8" Diameter Rod Size, Steel Weldless Eye Nut	44.42	1.84
		For Work In Restricted Working Space, Add	*1.12*	
23 05 29 00-0803	EA	1/2" Diameter Rod Size, Steel Weldless Eye Nut	45.60	2.46
		For Work In Restricted Working Space, Add	*1.47*	
23 05 29 00-0804	EA	5/8" Diameter Rod Size, Steel Weldless Eye Nut	45.65	2.46
		For Work In Restricted Working Space, Add	*1.49*	
23 05 29 00-0805	EA	3/4" Diameter Rod Size, Steel Weldless Eye Nut	45.60	2.46
		For Work In Restricted Working Space, Add	*1.47*	
23 05 29 00-0806	EA	7/8" Diameter Rod Size, Steel Weldless Eye Nut	89.51	2.71
		For Work In Restricted Working Space, Add	*1.66*	
23 05 29 00-0807	EA	1" Diameter Rod Size, Steel Weldless Eye Nut	90.13	3.07
		For Work In Restricted Working Space, Add	*1.85*	

23 05 29 00-0808 Top Mount I-Beam Clamps (Cooper B-Line B-3042) *(23 05 29 00-0758)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0809	EA	3/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	28.75	5.74
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0810	EA	1/2" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	34.76	6.31
		For Work In Restricted Working Space, Add	*3.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0811	EA	5/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	42.34	6.88
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0812	EA	3/4" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	58.87	7.46
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0813	EA	7/8" Diameter Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	91.18	8.61
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0814	EA	3/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	30.35	5.74
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0815	EA	1/2" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	37.03	6.31
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0816	EA	5/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	42.34	6.88
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0817	EA	3/4" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	64.84	7.46
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0818	EA	7/8" Diameter Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	101.36	8.61
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0819	EA	3/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	34.08	5.74
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0820	EA	1/2" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	41.22	6.31
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0821	EA	5/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	52.17	6.88
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0822	EA	3/4" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	75.99	7.46
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0823	EA	7/8" Diameter Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	123.17	8.61
		For Work In Restricted Working Space, Add	*5.17*	

23 05 29 00-0824 Side Beam Brackets (Cooper B-Line B-3062) *(23 05 29 00-0758)*

Note: Type 34.

23 05 29 00-0825	EA	3/8" Diameter Rod Size, Side Beam Bracket	22.32	7.99
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0826	EA	1/2" Diameter Rod Size, Side Beam Bracket	26.71	7.99
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0827	EA	5/8" Diameter Rod Size, Side Beam Bracket	35.17	8.61
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0828	EA	3/4" Diameter Rod Size, Side Beam Bracket	64.47	9.22
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0829	EA	7/8" Diameter Rod Size, Side Beam Bracket	75.73	10.45
		For Work In Restricted Working Space, Add	*6.15*	

23 05 29 00-0830 Hex Lag Bolts *(23 05 29 00-0758)*

Note: Also known as coach screws.

23 05 29 00-0831	EA	3/8" Diameter x 3-1/2" Long, Hex Lag Bolt	3.31	
		For Work In Restricted Working Space, Add	*0.77*	
23 05 29 00-0832	EA	3/8" Diameter x 4" Long, Hex Lag Bolt	3.37	
		For Work In Restricted Working Space, Add	*0.80*	
23 05 29 00-0833	EA	3/8" Diameter x 6" Long, Hex Lag Bolt	3.79	
		For Work In Restricted Working Space, Add	*0.83*	
23 05 29 00-0834	EA	3/8" Diameter x 8" Long, Hex Lag Bolt	4.54	
		For Work In Restricted Working Space, Add	*0.86*	
23 05 29 00-0835	EA	3/8" Diameter x 10" Long, Hex Lag Bolt	4.84	
		For Work In Restricted Working Space, Add	*0.89*	
23 05 29 00-0836	EA	3/8" Diameter x 12" Long, Hex Lag Bolt	6.07	
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0837	EA	1/2" Diameter x 3-1/2" Long, Hex Lag Bolt	4.51	
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0838	EA	1/2" Diameter x 4" Long, Hex Lag Bolt	4.58	
		For Work In Restricted Working Space, Add	*0.96*	
23 05 29 00-0839	EA	1/2" Diameter x 6" Long, Hex Lag Bolt	5.32	
		For Work In Restricted Working Space, Add	*1.00*	
23 05 29 00-0840	EA	1/2" Diameter x 8" Long, Hex Lag Bolt	6.16	
		For Work In Restricted Working Space, Add	*1.05*	
23 05 29 00-0841	EA	1/2" Diameter x 10" Long, Hex Lag Bolt	7.23	
		For Work In Restricted Working Space, Add	*1.10*	
23 05 29 00-0842	EA	1/2" Diameter x 12" Long, Hex Lag Bolt	7.76	
		For Work In Restricted Working Space, Add	*1.15*	
23 05 29 00-0843	EA	5/8" Diameter x 4" Long, Hex Lag Bolt	6.20	
		For Work In Restricted Working Space, Add	*1.02*	
23 05 29 00-0844	EA	3/4" Diameter x 5" Long, Hex Lag Bolt	7.25	
		For Work In Restricted Working Space, Add	*1.05*	

23 05 29 00-0845 Hanger Strap *(23 05 29 00-0592)*

23 05 29 00-0846	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	5.95	

23 05 29 00-0847 Shields And Saddles *(23 05 29)*

23 05 29 00-0848 Insulation Protection Shield *(23 05 29 00-0847)*

Note: Type 40.

23 05 29 00-0849 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0850	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	15.84	2.95
		For Work In Restricted Working Space, Add	*2.95*	
23 05 29 00-0851	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.07	2.99
		For Work In Restricted Working Space, Add	*2.99*	
23 05 29 00-0852	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.44	3.02
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0853	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.14	3.06
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0854	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.80	3.13
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0855	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	22.53	3.21
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0856	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	25.92	3.28
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0857	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	31.27	3.35
		For Work In Restricted Working Space, Add	*3.36*	
23 05 29 00-0858	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	39.55	3.39
		For Work In Restricted Working Space, Add	*3.39*	
23 05 29 00-0859	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	42.91	3.43
		For Work In Restricted Working Space, Add	*3.43*	
23 05 29 00-0860	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	58.25	3.46
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0861	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	65.18	3.50
		For Work In Restricted Working Space, Add	*3.50*	
23 05 29 00-0862	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	119.00	3.54
		For Work In Restricted Working Space, Add	*3.54*	
23 05 29 00-0863	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	129.21	3.61
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0864	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	155.71	3.69
		For Work In Restricted Working Space, Add	*3.69*	

23 05 29 00-0865 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0848)*

23 05 29 00-0866	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.19	2.95
		For Work In Restricted Working Space, Add	*2.95*	
23 05 29 00-0867	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.39	2.99
		For Work In Restricted Working Space, Add	*2.99*	
23 05 29 00-0868	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.69	3.02
		For Work In Restricted Working Space, Add	*3.02*	
23 05 29 00-0869	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.24	3.06
		For Work In Restricted Working Space, Add	*3.06*	
23 05 29 00-0870	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.50	3.13
		For Work In Restricted Working Space, Add	*3.14*	
23 05 29 00-0871	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	19.28	3.21
		For Work In Restricted Working Space, Add	*3.21*	
23 05 29 00-0872	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	20.62	3.28
		For Work In Restricted Working Space, Add	*3.28*	
23 05 29 00-0873	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	25.75	3.35
		For Work In Restricted Working Space, Add	*3.36*	
23 05 29 00-0874	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	30.48	3.39
		For Work In Restricted Working Space, Add	*3.39*	

23 05 29 00-0875 Pipe Covering Protection Saddle *(23 05 29 00-0847)*

Note: Sizes are pipe sizes.

23 05 29 00-0876 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0875)*

23 05 29 00-0877	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.02	4.06
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0878	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.13	4.09
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0879	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	24.25	4.14
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0880	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.37	4.20
		For Work In Restricted Working Space, Add	*4.20*	
23 05 29 00-0881	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.48	4.24
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0882	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.29	4.30
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0883	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	28.99	4.37
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0884	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	32.28	4.44
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0885	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	36.05	4.57
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0886	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	43.41	4.75
		For Work In Restricted Working Space, Add	*4.75*	
23 05 29 00-0887	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	48.22	4.82
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0888	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	56.71	4.82
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0889	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	61.69	4.99
		For Work In Restricted Working Space, Add	*4.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0890		**Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)** *(23 05 29 00-0875)*		
23 05 29 00-0891	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.82	4.06
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0892	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	26.93	4.09
		For Work In Restricted Working Space, Add	*4.10*	
23 05 29 00-0893	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.05	4.14
		For Work In Restricted Working Space, Add	*4.13*	
23 05 29 00-0894	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	27.97	4.20
		For Work In Restricted Working Space, Add	*4.20*	
23 05 29 00-0895	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.02	4.24
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0896	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.20	4.30
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0897	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	32.73	4.37
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0898	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	36.89	4.37
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0899	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	41.27	4.57
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0900	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	48.52	4.75
		For Work In Restricted Working Space, Add	*4.75*	
23 05 29 00-0901	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	54.27	4.82
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0902	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	64.17	4.92
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0903	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	70.06	4.99
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0904		**Saddle, For 2" Insulation (Cooper B-Line B3162)** *(23 05 29 00-0875)*		
23 05 29 00-0905	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.65	4.27
		For Work In Restricted Working Space, Add	*4.27*	
23 05 29 00-0906	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	28.77	4.30
		For Work In Restricted Working Space, Add	*4.31*	
23 05 29 00-0907	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	30.19	4.34
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0908	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.07	4.41
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0909	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.85	4.44
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0910	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	32.07	4.52
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0911	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.81	4.59
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0912	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.53	4.66
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0913	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	44.73	4.81
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0914	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	50.48	4.99
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0915	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	52.91	5.06
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0916	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	70.57	5.17
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0917	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	77.89	5.25
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0918	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	85.46	5.37
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0919	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	93.03	5.50
		For Work In Restricted Working Space, Add	*5.51*	
23 05 29 00-0920	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	101.82	5.65
		For Work In Restricted Working Space, Add	*5.65*	
23 05 29 00-0921	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	116.27	5.78
		For Work In Restricted Working Space, Add	*5.78*	
23 05 29 00-0922		**Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)** *(23 05 29 00-0875)*		
23 05 29 00-0923	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	31.94	4.44
		For Work In Restricted Working Space, Add	*4.44*	
23 05 29 00-0924	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	33.62	4.51
		For Work In Restricted Working Space, Add	*4.51*	
23 05 29 00-0925	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	34.48	4.55
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0926	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.44	4.63
		For Work In Restricted Working Space, Add	*4.61*	
23 05 29 00-0927	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.78	4.71
		For Work In Restricted Working Space, Add	*4.72*	
23 05 29 00-0928	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	41.26	4.78
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0929	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	46.98	4.92
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0930	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	54.42	5.11
		For Work In Restricted Working Space, Add	*5.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0931	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	58.21	5.19
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0932	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	72.39	5.29
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0933	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	85.52	5.37
		For Work In Restricted Working Space, Add	*5.37*	
23 05 29 00-0934	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	98.89	5.49
		For Work In Restricted Working Space, Add	*5.51*	
23 05 29 00-0935	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	104.96	5.64
		For Work In Restricted Working Space, Add	*5.65*	
23 05 29 00-0936	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	111.70	5.78
		For Work In Restricted Working Space, Add	*5.78*	
23 05 29 00-0937	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	118.45	5.92
		For Work In Restricted Working Space, Add	*5.92*	

23 05 29 00-0938 Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0875)*

23 05 29 00-0939	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	35.63	4.66
		For Work In Restricted Working Space, Add	*4.65*	
23 05 29 00-0940	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	38.76	4.74
		For Work In Restricted Working Space, Add	*4.75*	
23 05 29 00-0941	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	40.36	4.81
		For Work In Restricted Working Space, Add	*4.82*	
23 05 29 00-0942	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	41.99	4.89
		For Work In Restricted Working Space, Add	*4.89*	
23 05 29 00-0943	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	48.00	5.03
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0944	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	59.77	5.22
		For Work In Restricted Working Space, Add	*5.23*	
23 05 29 00-0945	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	64.64	5.30
		For Work In Restricted Working Space, Add	*5.30*	
23 05 29 00-0946	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	83.54	5.41
		For Work In Restricted Working Space, Add	*5.40*	
23 05 29 00-0947	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	99.39	5.49
		For Work In Restricted Working Space, Add	*5.51*	
23 05 29 00-0948	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	115.25	5.63
		For Work In Restricted Working Space, Add	*5.61*	
23 05 29 00-0949	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	117.49	5.77
		For Work In Restricted Working Space, Add	*5.78*	
23 05 29 00-0950	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	119.62	5.91
		For Work In Restricted Working Space, Add	*5.92*	
23 05 29 00-0951	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	151.30	6.06
		For Work In Restricted Working Space, Add	*6.06*	

23 05 29 00-0952 Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0875)*

23 05 29 00-0953	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	40.01	4.76
		For Work In Restricted Working Space, Add	*4.75*	
23 05 29 00-0954	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	43.68	4.84
		For Work In Restricted Working Space, Add	*4.85*	
23 05 29 00-0955	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	45.57	4.92
		For Work In Restricted Working Space, Add	*4.92*	
23 05 29 00-0956	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	47.55	4.99
		For Work In Restricted Working Space, Add	*4.99*	
23 05 29 00-0957	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	57.71	5.16
		For Work In Restricted Working Space, Add	*5.17*	
23 05 29 00-0958	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	67.86	5.35
		For Work In Restricted Working Space, Add	*5.34*	
23 05 29 00-0959	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	70.12	5.43
		For Work In Restricted Working Space, Add	*5.44*	
23 05 29 00-0960	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	89.15	5.54
		For Work In Restricted Working Space, Add	*5.54*	
23 05 29 00-0961	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	107.85	5.62
		For Work In Restricted Working Space, Add	*5.61*	
23 05 29 00-0962	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	126.77	5.76
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0963	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	154.66	5.90
		For Work In Restricted Working Space, Add	*5.89*	
23 05 29 00-0964	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	182.42	6.04
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0965	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	195.05	6.20
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0966	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	205.22	6.36
		For Work In Restricted Working Space, Add	*6.37*	
23 05 29 00-0967	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	212.75	6.51
		For Work In Restricted Working Space, Add	*6.51*	

23 05 29 00-0968 Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0847)*

23 05 29 00-0969	EA	2" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	89.65	15.36
23 05 29 00-0970	EA	3" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	95.42	17.83
23 05 29 00-0971	EA	4" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	115.69	20.29
23 05 29 00-0972	EA	5" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	120.87	22.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0973	EA	6" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	134.13	24.59
23 05 29 00-0974	EA	8" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	153.38	30.74
23 05 29 00-0975	EA	10" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	200.84	41.19
23 05 29 00-0976	EA	12" Diameter Size, Adjustable Pipe Saddle Support (Cooper B-Line B3096)	251.67	61.47
23 05 29 00-0977		Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0847)*		
23 05 29 00-0978	EA	2-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	109.78	15.36
23 05 29 00-0979	EA	3" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	114.17	17.83
23 05 29 00-0980	EA	3-1/2" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	122.40	19.06
23 05 29 00-0981	EA	4" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	125.27	20.29
23 05 29 00-0982	EA	5" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	131.90	22.13
23 05 29 00-0983	EA	6" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	140.20	24.59
23 05 29 00-0984	EA	8" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	177.88	30.74
23 05 29 00-0985	EA	10" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	239.82	41.19
23 05 29 00-0986	EA	12" Diameter Size, Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	316.20	61.47
23 05 29 00-0987		Pipe Saddle Support (Cooper B-Line B3095) *(23 05 29 00-0847)*		
23 05 29 00-0988	EA	2-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	58.75	15.36
23 05 29 00-0989	EA	3" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	63.14	17.83
23 05 29 00-0990	EA	3-1/2" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	92.82	19.06
23 05 29 00-0991	EA	4" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	95.69	20.29
23 05 29 00-0992	EA	5" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	105.07	22.13
23 05 29 00-0993	EA	6" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	116.50	24.59
23 05 29 00-0994	EA	8" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	134.43	30.74
23 05 29 00-0995	EA	10" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	158.48	41.19
23 05 29 00-0996	EA	12" Diameter Size, Pipe Saddle Support (Cooper B-Line B3095)	203.30	61.47
23 05 29 00-0997		360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0847)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0998		1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*		
23 05 29 00-0999	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.59	8.20
23 05 29 00-1000	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.94	8.20
23 05 29 00-1001	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.03	8.20
23 05 29 00-1002	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.38	8.20
23 05 29 00-1003	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.72	8.70
23 05 29 00-1004	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.64	8.96
23 05 29 00-1005	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.72	9.34
23 05 29 00-1006	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.91	9.71
23 05 29 00-1007	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.00	10.09
23 05 29 00-1008	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.69	8.70
23 05 29 00-1009	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.72	11.35
23 05 29 00-1010	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	50.50	13.37
23 05 29 00-1011	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.57	15.52
23 05 29 00-1012	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.84	16.02
23 05 29 00-1013		1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*		
23 05 29 00-1014	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.00	6.18
23 05 29 00-1015	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.72	6.18
23 05 29 00-1016	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.12	6.31
23 05 29 00-1017	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.74	6.43
23 05 29 00-1018	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.33	6.43
23 05 29 00-1019	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.33	6.69
23 05 29 00-1020	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.51	6.94
23 05 29 00-1021	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.12	7.06
23 05 29 00-1022	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.35	7.70
23 05 29 00-1023	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.20	13.24
23 05 29 00-1024	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.86	9.96
23 05 29 00-1025	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.81	11.73
23 05 29 00-1026	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	45.20	13.50
23 05 29 00-1027	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.35	16.27
23 05 29 00-1028		2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*		
23 05 29 00-1029	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.31	7.06
23 05 29 00-1030	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.59	7.06
23 05 29 00-1031	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.36	7.20
23 05 29 00-1032	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.04	7.32
23 05 29 00-1033	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.75	7.45
23 05 29 00-1034	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.70	7.70
23 05 29 00-1035	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.08	7.95
23 05 29 00-1036	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.37	8.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1037	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.25	8.70
23 05 29 00-1038	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.74	9.84
23 05 29 00-1039	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.49	16.79
23 05 29 00-1040	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	60.67	19.43
23 05 29 00-1041	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.98	22.96
23 05 29 00-1042	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.48	25.74
23 05 29 00-1043	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.63	29.02
23 05 29 00-1044	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	100.39	34.06
23 05 29 00-1045	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.47	37.85
23 05 29 00-1046	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.94	42.90
23 05 29 00-1047		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1048	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.55	8.20
23 05 29 00-1049	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.86	8.20
23 05 29 00-1050	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.81	8.33
23 05 29 00-1051	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.51	8.45
23 05 29 00-1052	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.23	8.45
23 05 29 00-1053	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.39	8.84
23 05 29 00-1054	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.96	9.09
23 05 29 00-1055	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.43	9.46
23 05 29 00-1056	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.66	9.96
23 05 29 00-1057	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.86	11.35
23 05 29 00-1058	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.59	12.62
23 05 29 00-1059	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.80	14.51
23 05 29 00-1060	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.12	18.04
23 05 29 00-1061	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	82.41	19.80
23 05 29 00-1062	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	97.77	25.24
23 05 29 00-1063	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	104.87	26.50
23 05 29 00-1064	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	119.12	30.28
23 05 29 00-1065	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	140.49	36.59
23 05 29 00-1066		**3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1067	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.61	8.45
23 05 29 00-1068	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.37	8.84
23 05 29 00-1069	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	63.78	8.84
23 05 29 00-1070	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.33	9.09
23 05 29 00-1071	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	67.15	9.34
23 05 29 00-1072	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	69.18	9.46
23 05 29 00-1073	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.82	9.71
23 05 29 00-1074	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.02	10.34
23 05 29 00-1075	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	83.77	10.73
23 05 29 00-1076	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	95.84	13.12
23 05 29 00-1077	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	123.85	14.38
23 05 29 00-1078	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	147.29	15.15
23 05 29 00-1079	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	169.13	19.55
23 05 29 00-1080	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	190.39	20.82
23 05 29 00-1081	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	228.12	27.75
23 05 29 00-1082	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	245.55	30.28
23 05 29 00-1083	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	278.08	32.81
23 05 29 00-1084	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	326.71	40.37
23 05 29 00-1085		**3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1086	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.55	8.20
23 05 29 00-1087	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.85	9.96
23 05 29 00-1088	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.21	9.96
23 05 29 00-1089	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.00	10.09
23 05 29 00-1090	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.97	10.22
23 05 29 00-1091	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.21	10.60
23 05 29 00-1092	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.12	10.98
23 05 29 00-1093	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	38.77	11.35
23 05 29 00-1094	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.84	11.99
23 05 29 00-1095	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.01	13.63
23 05 29 00-1096	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.27	15.15
23 05 29 00-1097	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	76.56	17.41
23 05 29 00-1098	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.73	21.71
23 05 29 00-1099	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.91	23.72
23 05 29 00-1100	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	117.33	30.28
23 05 29 00-1101	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.86	31.80
23 05 29 00-1102	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	143.00	36.34
23 05 29 00-1103	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	168.59	43.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1104		**4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1105	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.44	11.10
23 05 29 00-1106	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	34.87	11.10
23 05 29 00-1107	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.16	11.23
23 05 29 00-1108	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.20	11.35
23 05 29 00-1109	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.99	11.35
23 05 29 00-1110	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.08	12.12
23 05 29 00-1111	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.74	12.24
23 05 29 00-1112	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.77	12.74
23 05 29 00-1113	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.16	13.50
23 05 29 00-1114	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	55.12	15.27
23 05 29 00-1115	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	71.35	16.52
23 05 29 00-1116	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	86.15	19.68
23 05 29 00-1117	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.72	24.47
23 05 29 00-1118	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	111.30	26.63
23 05 29 00-1119	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	132.07	34.06
23 05 29 00-1120	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	141.53	35.70
23 05 29 00-1121	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	159.03	40.88
23 05 29 00-1122	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	189.70	49.46
23 05 29 00-1123	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	216.39	58.17
23 05 29 00-1124	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	246.29	68.64
23 05 29 00-1125	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	278.75	81.13
23 05 29 00-1126	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	398.94	125.29
23 05 29 00-1127	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	429.74	137.91
23 05 29 00-1128	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	457.93	148.88
23 05 29 00-1129		**Equipment Housekeeping Pads** *(23 05 29)*		
		See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.		
23 05 29 00-1130		**Molded Plastic Condenser Pad** *(23 05 29 00-1129)*		
23 05 29 00-1131	EA	30" Round Molded Plastic Pad	153.56	15.36
23 05 29 00-1132	EA	30" Octagon Molded Plastic Pad	161.64	15.36
23 05 29 00-1133	EA	30" x 30" Molded Plastic Pad	153.56	15.36
23 05 29 00-1134	EA	36" x 36" Molded Plastic Pad	201.97	15.36
23 05 29 00-1135	EA	36" x 48" Molded Plastic Pad	292.54	15.36
23 05 29 00-1136		**Inertia Base** *(23 05 29 00-1129)*		
		Note: Includes spring isolators.		
23 05 29 00-1137	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	2,403.97	
23 05 29 00-1138	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	2,905.41	
23 05 29 00-1139	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	3,327.97	
23 05 29 00-1140	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	3,803.12	
23 05 29 00-1141		**Hanger Assemblies** *(23 05 29)*		
		Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1142	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly	54.17	19.11
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*12.30*	
23 05 29 00-1143	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly	56.44	20.25
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*12.98*	
23 05 29 00-1144	EA	1" Standard Duty Clevis Pipe Hanger Assembly	58.30	21.46
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.52*	
23 05 29 00-1145	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly	59.23	21.49
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.72*	
23 05 29 00-1146	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly	59.46	21.49
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.72*	
23 05 29 00-1147	EA	2" Standard Duty Clevis Pipe Hanger Assembly	60.59	21.67
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.92*	
23 05 29 00-1148	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly	69.50	22.56
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*13.79*	
23 05 29 00-1149	EA	3" Standard Duty Clevis Pipe Hanger Assembly	71.37	23.21
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*14.00*	
23 05 29 00-1150	EA	4" Standard Duty Clevis Pipe Hanger Assembly	86.58	26.21
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*15.47*	
23 05 29 00-1151	EA	6" Standard Duty Clevis Pipe Hanger Assembly	128.90	33.86
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*20.32*	
23 05 29 00-1152	EA	8" Standard Duty Clevis Pipe Hanger Assembly	147.32	39.28
		Note: Includes hanger, rod, nuts, washers and clamp.		
		For Work In Restricted Working Space, Add	*23.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1153	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	202.72	49.90
		For Work In Restricted Working Space, Add	*29.57*	
23 05 29 00-1154	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	220.62	53.70
		For Work In Restricted Working Space, Add	*32.28*	

23 05 29 00-1155 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1156 Angle Iron For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1157	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.90	1.79
23 05 29 00-1158	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.79	2.23
23 05 29 00-1159	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.67	2.67
23 05 29 00-1160	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	6.48	3.32
23 05 29 00-1161	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	7.24	3.57
23 05 29 00-1162	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	9.76	4.01
23 05 29 00-1163	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	12.16	4.88
23 05 29 00-1164	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	15.79	5.73
23 05 29 00-1165	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	18.86	6.69

23 05 29 00-1166 Channels For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1167	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	8.29	4.40
23 05 29 00-1168	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	14.11	6.31
23 05 29 00-1169	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	17.59	7.59
23 05 29 00-1170	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	21.07	8.85
23 05 29 00-1171	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	25.51	10.63
23 05 29 00-1172	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	30.41	12.65
23 05 29 00-1173	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	34.45	13.92

23 05 29 00-1174 Structural Bar Tees For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1175	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	9.32	6.18
23 05 29 00-1176	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	11.21	7.31
23 05 29 00-1177	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	15.89	8.44
23 05 29 00-1178	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	20.50	11.24
23 05 29 00-1179	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	27.96	13.50
23 05 29 00-1180	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	35.09	17.43

23 05 29 00-1181 Structural Zees For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1182	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	15.91	8.44
23 05 29 00-1183	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	19.02	8.44
23 05 29 00-1184	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	27.77	8.44
23 05 29 00-1185	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	35.02	8.44
23 05 29 00-1186	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	42.54	8.44

23 05 29 00-1187 Junior I-beams For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1188	LF	3" I-beam (Junior) For Hanger Devices	19.92	12.37
23 05 29 00-1189	LF	4" I-beam (Junior) For Hanger Devices	22.87	13.50
23 05 29 00-1190	LF	5" I-beam (Junior) For Hanger Devices	26.35	14.62
23 05 29 00-1191	LF	6" I-beam (Junior) For Hanger Devices	28.80	16.30
23 05 29 00-1192	LF	7" I-beam (Junior) For Hanger Devices	34.10	17.43
23 05 29 00-1193	LF	8" I-beam (Junior) For Hanger Devices	36.91	18.55

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001 Unhoused Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.

23 05 48 13-0002	EA	60 Lb. Capacity, Unhoused Steel Spring Isolator	115.39	34.41
23 05 48 13-0003	EA	115 Lb. Capacity, Unhoused Steel Spring Isolator	122.93	34.41
23 05 48 13-0004	EA	1,130 Lb. Capacity, Unhoused Steel Spring Isolator	147.95	34.41

23 05 48 13-0005 Housed Stable Steel Spring Isolators *(23 05 48 13)*

Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only.
Mason Industries, Inc.

23 05 48 13-0006	EA	To 770 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	264.89	34.41
23 05 48 13-0007	EA	To 1,040 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	295.14	34.41
23 05 48 13-0008	EA	To 1,600 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	310.26	34.41
23 05 48 13-0009	EA	To 2,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	370.76	34.41
23 05 48 13-0010	EA	To 3,250 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	385.88	34.41
23 05 48 13-0011	EA	To 730 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	291.36	34.41
23 05 48 13-0012	EA	To 930 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	317.83	34.41
23 05 48 13-0013	EA	To 1,440 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	336.73	34.41
23 05 48 13-0014	EA	To 1,860 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	423.69	34.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0015	EA	To 2,880 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	457.72	34.41
23 05 48 13-0016	EA	To 3,720 Lb. Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	537.12	34.41
23 05 48 13-0017		Vibration Isolators *(23 05 48 13)*		
23 05 48 13-0018		Spring And Rubber Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0019	EA	50 To 500 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	154.97	22.13
23 05 48 13-0020	EA	600 To 1,000 Lb. Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	328.33	24.59
23 05 48 13-0021		Rubber-In-Shear Isolator Hanger *(23 05 48 13-0017)*		
23 05 48 13-0022	EA	45-340 Lb. Rated Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	85.47	18.45
23 05 48 13-0023	EA	130-700 Lb. Rated Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	110.97	22.13
23 05 48 13-0024		Spring Hanger For 1" Deflection *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 Lb. Rated Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	96.81	22.13
23 05 48 13-0026		Rubber-In-Shear Vibration Isolator *(23 05 48 13-0017)*		
23 05 48 13-0027	EA	45 To 340 Lb. Rubber In Shear Vibration Isolation With 0.38" Deflection	178.09	41.81
23 05 48 13-0028	EA	130 To 700 Lb. Rubber In Shear Vibration Isolation With 0.43" Deflection	244.84	41.81
23 05 48 13-0029	EA	550 To 1,920 Lb. Rubber In Shear Vibration Isolation With 0.48" Deflection	473.93	41.81
23 05 48 13-0030		Two-Piece Spring Type Vibration Isolator *(23 05 48 13-0017)* Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 To 1,000 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	149.96	41.81
23 05 48 13-0032	EA	>1,000 To 1,600 Lb. Rated Load 2-Piece Isolator Spring Type Vibration Isolator	154.93	41.81
23 05 48 13-0033		Open Double Spring Type Vibration Isolator *(23 05 48 13-0017)* Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150 To 450 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	117.98	20.90
23 05 48 13-0035	EA	500 To 1,000 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	117.98	20.90
23 05 48 13-0036	EA	1,100 To 1,600 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	134.56	20.90
23 05 48 13-0037	EA	1,700 To 2,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	134.56	20.90
23 05 48 13-0038	EA	2,500 To 3,400 Lb. Rated Load Open Isolator, Double Spring Type Vibration Isolator	209.56	20.90
23 05 48 13-0039		Isolation Pads *(23 05 48 13-0017)*		
23 05 48 13-0040		Laminated Neoprene And Cork Isolation Pad *(23 05 48 13-0039)*		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.48	3.07
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.60	3.19
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	12.05	3.32
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	47.96	3.82
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	91.90	4.30
23 05 48 13-0046		Neoprene And Steel Plate Isolation Pad *(23 05 48 13-0039)*		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	117.88	3.07
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	130.23	3.07
23 05 48 13-0049		Neoprene Isolation Pad *(23 05 48 13-0039)*		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	6.97	3.07
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	7.95	3.07
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	9.53	3.07
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	47.18	3.69
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	86.35	4.30
23 05 48 13-0055		Threaded Flexible Bronze Hose Connectors *(23 05 48 13)* Note: Includes hex threaded nipple ends.		
23 05 48 13-0056	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	82.50	19.67
23 05 48 13-0057	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	96.29	27.04
23 05 48 13-0058	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	118.26	33.20
23 05 48 13-0059	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	137.53	39.34
23 05 48 13-0060	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	157.60	51.64
23 05 48 13-0061	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	177.43	54.95
23 05 48 13-0062	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	237.89	65.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0063	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	329.14	101.55
23 05 48 13-0064		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0065	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	245.38	70.57
23 05 48 13-0066	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	285.69	77.46
23 05 48 13-0067	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	320.84	82.01
23 05 48 13-0068	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	359.14	93.44
23 05 48 13-0069	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	406.23	100.82
23 05 48 13-0070	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	511.00	131.18
23 05 48 13-0071	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	756.67	147.54
23 05 48 13-0072	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	930.30	165.98
23 05 48 13-0073	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,291.53	245.90
23 05 48 13-0074		**Flanged Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0075		**Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 13-0074)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0076	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	250.14	92.21
23 05 48 13-0077	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	270.46	102.42
23 05 48 13-0078	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	437.20	204.59
23 05 48 13-0079	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	603.81	304.30
23 05 48 13-0080	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	787.23	392.82
23 05 48 13-0081	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,007.38	408.50
23 05 48 13-0082	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,226.79	466.56
23 05 48 13-0083	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,592.43	555.23
23 05 48 13-0084	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,813.87	694.44
23 05 48 13-0085		**Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 13-0074)*		
		Note: With braided metal wire.		
23 05 48 13-0086	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	193.88	83.85
23 05 48 13-0087	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	185.82	115.33
23 05 48 13-0088	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	361.98	153.69
23 05 48 13-0089	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	467.52	230.52
23 05 48 13-0090	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	502.38	253.64
23 05 48 13-0091	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	582.90	307.13
23 05 48 13-0092	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	746.32	393.18
23 05 48 13-0093	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,365.80	542.44
23 05 48 13-0094	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,561.88	635.89
23 05 48 13-0095	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,032.12	489.22
23 05 48 13-0096	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,964.86	612.74
23 05 48 13-0097	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,699.04	653.59
23 05 48 13-0098	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,000.73	755.78
23 05 48 13-0099	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,585.87	817.00
23 05 48 13-0100		**Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 13-0074)*		
		Note: 150 PSI.		
23 05 48 13-0101	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,107.40	178.28
23 05 48 13-0102	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,241.45	209.01
23 05 48 13-0103	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,879.10	351.28
23 05 48 13-0104	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,282.59	408.50
23 05 48 13-0105	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	3,005.91	501.09
23 05 48 13-0106		**Flexible Hose Connectors Braided Metal Hose Type** *(23 05 48 13)*		
23 05 48 13-0107		**Braided Metal Hose Type Flexible Bronze Hose Connectors** *(23 05 48 13-0106)*		
		Note: MPT connection.		
23 05 48 13-0108	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	44.00	2.46
23 05 48 13-0109	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	52.66	2.46
23 05 48 13-0110	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	58.53	3.19
23 05 48 13-0111	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.28	3.19
23 05 48 13-0112	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	58.96	2.95
23 05 48 13-0113	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	71.31	2.95
23 05 48 13-0114	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	81.52	3.81
23 05 48 13-0115	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	100.76	3.81
23 05 48 13-0116	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	80.51	3.44
23 05 48 13-0117	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	88.09	3.44
23 05 48 13-0118	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	104.61	4.55
23 05 48 13-0119	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	132.75	4.55
23 05 48 13-0120	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	160.67	4.55
23 05 48 13-0121	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	188.69	4.55
23 05 48 13-0122	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	114.75	4.41
23 05 48 13-0123	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	126.56	4.41
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	162.56	4.41

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0125	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	226.05	5.88
23 05 48 13-0126	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	262.33	5.88
23 05 48 13-0127	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	310.60	5.88
23 05 48 13-0128	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	157.20	5.32
23 05 48 13-0129	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	181.88	5.32
23 05 48 13-0130	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	229.69	5.32
23 05 48 13-0131	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	306.34	7.13
23 05 48 13-0132	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	379.20	7.13
23 05 48 13-0133	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	451.99	7.13
23 05 48 13-0134	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	218.44	6.68
23 05 48 13-0135	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	248.84	6.33
23 05 48 13-0136	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	279.55	6.33
23 05 48 13-0137	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	344.64	8.49
23 05 48 13-0138	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	406.39	8.49
23 05 48 13-0139	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	466.22	8.49
23 05 48 13-0140	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	344.67	8.49
23 05 48 13-0141	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	385.69	8.49
23 05 48 13-0142	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	929.25	8.49
23 05 48 13-0143	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,118.95	11.32
23 05 48 13-0144	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	597.55	11.32
23 05 48 13-0145	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	678.27	11.32
23 05 48 13-0146	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	630.97	9.66
23 05 48 13-0147	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	678.90	9.66
23 05 48 13-0148	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	726.83	9.66
23 05 48 13-0149	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	830.60	12.88
23 05 48 13-0150	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	926.09	12.88
23 05 48 13-0151	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	1,023.63	12.88

23 05 48 13-0152 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0106)*

Note: Over braided carbon steel connection.

23 05 48 13-0153	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	187.43	5.39
23 05 48 13-0154	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	226.64	5.39
23 05 48 13-0155	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	265.12	5.39
23 05 48 13-0156	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	347.00	7.23
23 05 48 13-0157	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	424.99	7.23
23 05 48 13-0158	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	502.90	7.23
23 05 48 13-0159	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	212.44	6.33
23 05 48 13-0160	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	253.43	6.33
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	294.60	6.33
23 05 48 13-0162	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	381.62	8.49
23 05 48 13-0163	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	463.62	8.49
23 05 48 13-0164	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	544.49	8.49
23 05 48 13-0165	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	225.17	8.49
23 05 48 13-0166	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	272.12	8.71
23 05 48 13-0167	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	319.74	8.49
23 05 48 13-0168	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	423.45	11.32
23 05 48 13-0169	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	518.18	11.32
23 05 48 13-0170	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	615.59	11.32
23 05 48 13-0171	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	454.10	16.52
23 05 48 13-0172	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	671.23	16.64
23 05 48 13-0173	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	900.24	21.92
23 05 48 13-0174	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,117.46	21.92
23 05 48 13-0175	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,334.63	21.92
23 05 48 13-0176	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	787.61	19.58
23 05 48 13-0177	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	951.89	19.58
23 05 48 13-0178	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,290.76	25.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0179	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,616.66	25.46
23 05 48 13-0180	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,942.47	25.46
23 05 48 13-0181	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	843.00	24.47
23 05 48 13-0182	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,253.72	24.47
23 05 48 13-0183	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,679.43	31.87
23 05 48 13-0184	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,091.59	31.87
23 05 48 13-0185	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,502.00	31.87
23 05 48 13-0186	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,676.37	29.59
23 05 48 13-0187	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,188.94	29.59
23 05 48 13-0188	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,737.91	39.81
23 05 48 13-0189	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,254.98	39.81
23 05 48 13-0190	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	3,774.46	39.81
23 05 48 13-0191		**Braided Metal Hose Type Flexible Bronze Hose Connectors** *(23 05 48 13-0106)* Note: Flanged end connection (carbon steel ends).		
23 05 48 13-0192	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	413.62	5.32
23 05 48 13-0193	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	763.98	150.85
23 05 48 13-0194	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	937.90	150.85
23 05 48 13-0195	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,111.83	150.85
23 05 48 13-0196	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,285.82	150.85
23 05 48 13-0197	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	696.14	192.39
23 05 48 13-0198	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	879.42	192.39
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,062.77	192.39
23 05 48 13-0200	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,246.18	192.39
23 05 48 13-0201	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,426.39	192.39
23 05 48 13-0202	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	965.14	322.53
23 05 48 13-0203	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,179.07	323.34
23 05 48 13-0204	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,396.48	322.53
23 05 48 13-0205	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,639.55	322.53
23 05 48 13-0206	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,825.29	322.53
23 05 48 13-0207	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,503.95	413.14
23 05 48 13-0208	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,988.66	413.14
23 05 48 13-0209	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,473.65	414.62
23 05 48 13-0210	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,958.44	413.14
23 05 48 13-0211	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,443.15	413.14
23 05 48 13-0212	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,493.67	500.36
23 05 48 13-0213	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,860.37	500.36
23 05 48 13-0214	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,587.41	500.36
23 05 48 13-0215	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,314.72	500.36
23 05 48 13-0216	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,041.69	500.36
23 05 48 13-0217	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,097.98	609.14
23 05 48 13-0218	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,011.57	609.14
23 05 48 13-0219	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,931.31	609.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0220	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,849.07	609.14
23 05 48 13-0221	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,590.79	609.14
23 05 48 13-0222	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	5,570.70	739.66
23 05 48 13-0223	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	6,730.03	739.66
23 05 48 13-0224	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	7,889.29	739.66
23 05 48 13-0225	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	9,048.56	739.66
23 05 48 13-0226	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	10,207.89	739.66

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	21.33
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	21.64
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	21.80
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	22.14
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	25.73
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	26.28
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	41.81
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	42.25
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	42.72
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	42.97
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	43.23
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	43.50
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	45.58
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	45.88
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	56.53
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	58.44
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	67.32
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	77.21

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.60
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.21
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.44
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.69
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.89
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	18.26
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.75
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.24
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.60
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.98
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.75
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.58
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	24.30
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	25.01
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.76
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	29.12
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	34.12

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	12.74
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	11.97
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	11.73

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	1,016.93	68.07
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	1,061.41	71.43
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	1,062.99	74.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	1,112.69	78.27
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	1,205.40	81.63
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	1,131.34	84.19
23 05 66 00-0008		**Single Ended Ultraviolet HVAC Microbial Control Fixtures** *(23 05 66)*		
23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	858.64	47.14
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	869.27	51.02
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	890.95	54.08
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	900.79	58.16
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	923.26	61.23
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	939.41	64.29
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	961.10	68.37
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	980.92	47.14
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	991.55	51.02
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	1,013.22	54.08
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	1,023.07	58.16
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	1,045.54	61.23
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	1,061.69	64.29
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	1,083.38	68.37
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	677.85	51.02
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	699.53	54.08
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	709.38	58.16
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	731.85	61.23
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	748.00	64.29
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	769.69	68.37
23 05 66 00-0029		**Fan Coil Unit Ultraviolet Microbial Control Fixtures** *(23 05 66)*		
23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	616.19	65.31
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	628.90	68.37
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	641.59	71.43
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	659.21	74.50
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	682.46	78.27
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	702.74	81.63
23 05 66 00-0036		**Ultraviolet HVAC Microbial Control Replacement Parts** *(23 05 66)*		
23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	162.92	
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	171.39	
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	195.62	
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	226.89	
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	258.85	
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	261.95	
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	121.92	
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	128.47	
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	146.07	
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	151.82	
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	170.21	
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	182.28	
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	199.89	
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	484.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0051		**Ultraviolet HVAC Microbial Control Mounting Accessories** *(23 05 66)*		
23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	684.20	
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	887.31	
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	386.28	
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	411.15	
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	554.45	
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	336.10	
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	366.69	
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	470.86	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	463.80	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	17.31	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	57.38	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	18.72	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	17.49	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	52.34	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	66.79	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	58.94	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	47.18	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	44.38	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	22.42	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	50.32	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	22.53	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	95.81	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	101.07	
23 05 66 00-0075		**Ultraviolet Duct Disinfection Unit (eLEDLights)** *(23 05 66)*		
23 05 66 00-0076	EA	Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1)	1,429.78	94.40
23 05 66 00-0077	EA	Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1)	1,602.59	99.49
23 05 66 00-0078	EA	Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1)	1,660.69	107.15
23 05 66 00-0079	EA	Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1)	1,735.90	114.80
23 05 66 00-0080	EA	Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1)	1,785.45	122.45
23 05 66 00-0081	EA	Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1)	2,163.68	127.55
23 05 66 00-0082	EA	Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1)	2,182.86	99.49
23 05 66 00-0083	EA	Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1)	2,266.63	107.15
23 05 66 00-0084	EA	Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1)	2,624.28	114.80
23 05 66 00-0085	EA	Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1)	2,725.18	122.45
23 05 66 00-0086		**Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV)** *(23 05 66)* Note: Includes 2 Year Warranty		
23 05 66 00-0087	EA	Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO)	1,083.33	99.49
23 05 66 00-0088	EA	Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO)	1,867.42	99.49
23 05 66 00-0089	EA	Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO)	2,652.56	99.49
23 05 66 00-0090	EA	Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO)	1,111.29	107.15
23 05 66 00-0091	EA	Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO)	1,905.94	107.15
23 05 66 00-0092	EA	Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO)	2,701.63	107.15
23 05 66 00-0093	EA	Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO)	1,137.16	114.80
23 05 66 00-0094	EA	Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO)	1,944.46	114.80
23 05 66 00-0095	EA	Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO)	2,750.71	114.80
23 05 66 00-0096	EA	Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO)	1,258.71	127.55
23 05 66 00-0097	EA	Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO)	2,143.05	127.55
23 05 66 00-0098	EA	Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO)	3,027.39	127.55
23 05 66 00-0099	EA	Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO)	1,477.34	140.32
23 05 66 00-0100	EA	Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO)	2,555.86	140.32
23 05 66 00-0101	EA	Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO)	3,633.32	140.32

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001		**Heating And Ventilating Equipment** *(23 05 93)*		
23 05 93 00-0002	EA	Balancing Centrifugal Fans	501.84	
		For Testing Of Unit Without Balancing, Deduct	*-250.92*	
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	627.05	
		For Testing Of Unit Without Balancing, Deduct	*-313.53*	
23 05 93 00-0004	EA	Balancing In Line Fan	564.56	
		For Testing Of Unit Without Balancing, Deduct	*-282.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	125.46	
		For Testing Of Unit Without Balancing, Deduct	*-62.73*	
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	376.35	
		For Testing Of Unit Without Balancing, Deduct	*-188.18*	
23 05 93 00-0007	EA	Balancing Wall Fan	94.07	
		For Testing Of Unit Without Balancing, Deduct	*-47.04*	
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	501.03	
		For Testing Of Unit Without Balancing, Deduct	*-250.52*	

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	905.81	
		For Testing Of Unit Without Balancing, Deduct	*-452.91*	
23 05 93 00-0011	EA	Balancing Package A/C Unit	339.68	
		For Testing Of Unit Without Balancing, Deduct	*-169.84*	
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	452.91	
		For Testing Of Unit Without Balancing, Deduct	*-226.46*	
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,585.17	
		For Testing Of Unit Without Balancing, Deduct	*-792.59*	

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	94.09	
		For Testing Of Unit Without Balancing, Deduct	*-47.05*	
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	156.82	
		For Testing Of Unit Without Balancing, Deduct	*-78.41*	
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	81.54	
		For Testing Of Unit Without Balancing, Deduct	*-40.77*	
23 05 93 00-0018	EA	Balance Variable Air Volume Box	88.35	
		For Testing Of Unit Without Balancing, Deduct	*-44.18*	
23 05 93 00-0019	EA	Balance Constant Volume Box	88.35	
		For Testing Of Unit Without Balancing, Deduct	*-44.18*	
23 05 93 00-0020	EA	Balance Fan Powered Box	100.36	
		For Testing Of Unit Without Balancing, Deduct	*-50.18*	
23 05 93 00-0021	EA	Balance Lab Fume Hood	407.76	
		For Testing Of Unit Without Balancing, Deduct	*-203.88*	
23 05 93 00-0022	EA	Balance General Hood	313.65	
		For Testing Of Unit Without Balancing, Deduct	*-156.83*	
23 05 93 00-0023	EA	Balance Induction Unit	188.20	
		For Testing Of Unit Without Balancing, Deduct	*-94.10*	
23 05 93 00-0024	EA	Balance Moduline - Master	75.26	
		For Testing Of Unit Without Balancing, Deduct	*-37.63*	
23 05 93 00-0025	EA	Balance Moduline - Slave	37.64	
		For Testing Of Unit Without Balancing, Deduct	*-18.82*	
23 05 93 00-0026	EA	Balance Dampers	34.95	
		For Testing Of Unit Without Balancing, Deduct	*-17.48*	
23 05 93 00-0027	EA	Balance Regenerators	501.03	
		For Testing Of Unit Without Balancing, Deduct	*-250.52*	

23 05 93 00-0028 Water Balancing Of Components *(23 05 93)*

23 05 93 00-0029	EA	Water Balance, Air-Cool Condenser	622.81	
		For Testing Of Unit Without Balancing, Deduct	*-311.41*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	79.26	
		For Testing Of Unit Without Balancing, Deduct	*-39.63*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air-Cooled	679.30	
		For Testing Of Unit Without Balancing, Deduct	*-339.65*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	905.81	
		For Testing Of Unit Without Balancing, Deduct	*-452.91*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	452.91	
		For Testing Of Unit Without Balancing, Deduct	*-226.46*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	113.30	
		For Testing Of Unit Without Balancing, Deduct	*-56.65*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	113.23	
		For Testing Of Unit Without Balancing, Deduct	*-56.62*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	124.55	
		For Testing Of Unit Without Balancing, Deduct	*-62.28*	
23 05 93 00-0037	EA	Water Balance, Pumps	339.70	
		For Testing Of Unit Without Balancing, Deduct	*-169.85*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	79.26	
		For Testing Of Unit Without Balancing, Deduct	*-39.63*	
23 05 93 00-0039	EA	Water Balancing, Converter	339.82	
		For Testing Of Unit Without Balancing, Deduct	*-169.91*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	56.60	
		For Testing Of Unit Without Balancing, Deduct	*-28.30*	
23 05 93 00-0041	EA	Water Balance, Convector	67.93	
		For Testing Of Unit Without Balancing, Deduct	*-33.97*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	84.92	
		For Testing Of Unit Without Balancing, Deduct	*-42.46*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	735.97	
		For Testing Of Unit Without Balancing, Deduct	*-367.99*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,358.73	
		For Testing Of Unit Without Balancing, Deduct	*-679.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,490.99	
		For Testing Of Unit Without Balancing, Deduct	*-1,245.50*	

23 05 93 00-0046 Non-Destructive Testing *(23 05 93)*

23 05 93 00-0047 X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0048 Minimum Charge For X-Ray Welds *(23 05 93 00-0047)*

23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge	1,074.18
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing *(23 05 93 00-0047)*

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing	93.83
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing	106.77
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing	119.71
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing	126.50
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing	133.30
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing	140.73
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing	154.32
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing	167.92
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing	175.35
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing	185.47

23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0046)*

23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing *(23 05 93 00-0061)*

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	79.62
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	85.77
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	91.92
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	94.99
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	99.61
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	104.22
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	113.43
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	122.65
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	131.88
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing	141.10

23 05 93 00-0073 Hydrostatic Testing *(23 05 93 00-0046)*

Note: Includes flushing and restoring of system.

23 05 93 00-0074 Piping, Hydrostatic Testing *(23 05 93 00-0073)*

23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	808.87
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	1,155.52
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,384.54
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,844.22
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,794.26
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	1,075.47
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,536.84
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,829.57
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,397.45
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	3,626.94
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,401.60
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,997.90
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	2,107.84
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,761.44
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	4,177.55
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,819.63
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,594.18
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,740.74
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	3,594.77
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	5,446.63

23 05 93 00-0095 Pneumatic Testing *(23 05 93 00-0046)*

Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing With Inert Gas *(23 05 93 00-0095)*

23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	919.14
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,311.89
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,416.50
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,813.40
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,835.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,199.39	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,703.55	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,841.40	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	2,358.05	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	3,685.73	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,444.42	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,038.96	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,305.67	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,944.67	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	4,609.41	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,880.66	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,650.73	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,998.09	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,828.44	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	6,001.13	

23 05 93 00-0117 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	1,056.36	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	102.60	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,622.01	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	1,229.86	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

23 07 13 00-0002 Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	4.37	2.53
		For Plain Blanket, With No Facing, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.01*	
23 07 13 00-0004	SF	1-1/2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.10	2.53
		For Plain Blanket, With No Facing, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.18*	
23 07 13 00-0005	SF	2" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.77	3.78
		For Plain Blanket, With No Facing, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*1.35*	
23 07 13 00-0006	SF	3" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.83	4.42
		For Plain Blanket, With No Facing, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*1.58*	
23 07 13 00-0007	SF	4" Thick, Type 75, 0.75 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	8.14	4.79
		For Plain Blanket, With No Facing, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*1.70*	

23 07 13 00-0008 Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	5.37	3.78
		For Plain Blanket, With No Facing, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.26*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100, 1.0 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	6.26	4.42
		For Plain Blanket, With No Facing, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*1.46*	
23 07 13 00-0011	SF	2" Thick, Type 100, 1.0 Lb./CF, Fiber Glass FSK Duct Wrap Insulation	7.40	5.05
		For Plain Blanket, With No Facing, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*1.72*	

23 07 13 00-0012 Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	7.03	5.05
		For Plain Blanket, With No Facing, Deduct	*-0.78*	
		For Work In Restricted Working Space, Add	*1.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0014	SF	1-1/2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	9.21	5.68
		For Plain Blanket, With No Facing, Deduct	*-1.37*	
		For Work In Restricted Working Space, Add	*1.74*	
23 07 13 00-0015	SF	2" Thick, Type 150, 1.5 Lb./CF, FSK Fiber Glass Duct Wrap Insulation	10.74	6.31
		For Plain Blanket, With No Facing, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*2.02*	
23 07 13 00-0016		3 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.		
23 07 13 00-0017	SF	1" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	11.95	6.15
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*16.77*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*20.35*	
		For Work In Restricted Working Space, Add	*3.36*	
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*27.41*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	15.38	7.49
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*20.99*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*25.60*	
		For Work In Restricted Working Space, Add	*4.09*	
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*33.94*	
23 07 13 00-0019	SF	2" Thick, 3 Lb./CF, FSK Rigid Fiber Glass Board Insulation	19.20	9.04
		For Non-Metallic Weatherproof Paste, 2 Lb., Add	*25.78*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*31.54*	
		For Work In Restricted Working Space, Add	*4.94*	
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*41.41*	
23 07 13 00-0020		4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation *(23 07 13)*		
		Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF	1" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	13.44	6.77
		For Work In Restricted Working Space, Add	*3.70*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	17.48	8.24
		For Work In Restricted Working Space, Add	*4.50*	
23 07 13 00-0023	SF	2" Thick, 4.253 Lb./CF, FSK Rigid Fiber Glass Board Insulation	22.44	9.95
		For Work In Restricted Working Space, Add	*5.43*	
23 07 13 00-0024		Sheet Flexible Elastomeric Insulation *(23 07 13)*		
23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	9.85	3.41
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	10.52	3.59
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	13.75	3.78
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	15.81	3.97
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	21.81	4.36
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	25.75	4.73
23 07 13 00-0031		Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.47	3.59
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.92	3.78
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.71	3.97
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	27.50	4.36
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	32.55	4.73
23 07 13 00-0037		Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*		
		Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.29	3.59
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	18.73	3.78
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	21.02	3.97
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	30.77	4.36
23 07 16		**HVAC Equipment Insulation** *(23 07)*		
23 07 16 00-0001		Calcium Silicate Block Insulation *(23 07 16)*		
23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	18.75	7.39
		For Work In Restricted Working Space, Add	*4.44*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	22.58	8.32
		For Work In Restricted Working Space, Add	*4.99*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	27.18	9.59
		For Work In Restricted Working Space, Add	*5.78*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	32.44	11.27
		For Work In Restricted Working Space, Add	*6.76*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	39.62	13.87
		For Work In Restricted Working Space, Add	*8.32*	
23 07 19		**HVAC Piping Insulation** *(23 07)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0547 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.04	4.15
		For Work In Restricted Working Space, Add	*3.11*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.04	4.15
		For Work In Restricted Working Space, Add	*3.11*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.03	4.21
		For Work In Restricted Working Space, Add	*3.16*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.24	4.27
		For Work In Restricted Working Space, Add	*3.20*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.42	4.33
		For Work In Restricted Working Space, Add	*3.25*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.27	4.45
		For Work In Restricted Working Space, Add	*3.34*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.95	4.63
		For Work In Restricted Working Space, Add	*3.47*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	16.58	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	18.67	5.11
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	20.85	5.77
		For Work In Restricted Working Space, Add	*4.32*	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.67	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.73	4.32
		For Work In Restricted Working Space, Add	*3.24*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.74	4.58
		For Work In Restricted Working Space, Add	*3.43*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.29	4.66
		For Work In Restricted Working Space, Add	*3.50*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	16.84	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.01	5.01
		For Work In Restricted Working Space, Add	*3.76*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.72	5.10
		For Work In Restricted Working Space, Add	*3.82*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	19.42	5.27
		For Work In Restricted Working Space, Add	*3.95*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	21.49	5.70
		For Work In Restricted Working Space, Add	*4.28*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.95	6.65
		For Work In Restricted Working Space, Add	*4.99*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	28.58	7.02
		For Work In Restricted Working Space, Add	*5.27*	
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	35.61	8.40
		For Work In Restricted Working Space, Add	*6.30*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	41.78	9.78
		For Work In Restricted Working Space, Add	*7.34*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	46.38	10.73
		For Work In Restricted Working Space, Add	*8.04*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	56.05	13.66
		For Work In Restricted Working Space, Add	*10.24*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	60.06	14.33
		For Work In Restricted Working Space, Add	*10.75*	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.98	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.31	4.75
		For Work In Restricted Working Space, Add	*3.56*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.82	4.81
		For Work In Restricted Working Space, Add	*3.61*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.46	4.87
		For Work In Restricted Working Space, Add	*3.65*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.92	4.93
		For Work In Restricted Working Space, Add	*3.70*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.75	5.11
		For Work In Restricted Working Space, Add	*3.83*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	22.81	5.28
		For Work In Restricted Working Space, Add	*3.96*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.30	5.46
		For Work In Restricted Working Space, Add	*4.10*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	25.56	5.77
		For Work In Restricted Working Space, Add	*4.33*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	31.19	6.92
		For Work In Restricted Working Space, Add	*5.19*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	34.80	7.31
		For Work In Restricted Working Space, Add	*5.48*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	42.65	8.74
		For Work In Restricted Working Space, Add	*6.56*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	49.26	10.47
		For Work In Restricted Working Space, Add	*7.85*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	61.91	14.60
		For Work In Restricted Working Space, Add	*10.95*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	64.50	14.60
		For Work In Restricted Working Space, Add	*10.95*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	68.87	15.34
		For Work In Restricted Working Space, Add	*11.50*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	81.43	17.53
		For Work In Restricted Working Space, Add	*13.15*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	95.50	21.17
		For Work In Restricted Working Space, Add	*15.88*	

23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.38	5.47
		For Work In Restricted Working Space, Add	*4.11*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.73	5.47
		For Work In Restricted Working Space, Add	*4.11*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.11	5.56
		For Work In Restricted Working Space, Add	*4.17*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.30	5.61
		For Work In Restricted Working Space, Add	*4.20*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.79	5.65
		For Work In Restricted Working Space, Add	*4.24*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.75	5.88
		For Work In Restricted Working Space, Add	*4.41*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.24	6.08
		For Work In Restricted Working Space, Add	*4.56*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	26.77	6.30
		For Work In Restricted Working Space, Add	*4.72*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	30.36	6.64
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	37.18	7.55
		For Work In Restricted Working Space, Add	*5.66*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	42.26	8.41
		For Work In Restricted Working Space, Add	*6.31*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	50.17	9.70
		For Work In Restricted Working Space, Add	*7.28*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	59.05	12.06
		For Work In Restricted Working Space, Add	*9.04*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	65.17	13.16
		For Work In Restricted Working Space, Add	*9.87*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	79.85	16.83
		For Work In Restricted Working Space, Add	*12.62*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	84.24	17.66
		For Work In Restricted Working Space, Add	*13.25*	
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	97.46	20.19
		For Work In Restricted Working Space, Add	*15.14*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	115.09	24.39
		For Work In Restricted Working Space, Add	*18.29*	

23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.24	6.06
		For Work In Restricted Working Space, Add	*4.55*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.32	6.06
		For Work In Restricted Working Space, Add	*4.55*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.56	6.12
		For Work In Restricted Working Space, Add	*4.59*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	26.82	6.16
		For Work In Restricted Working Space, Add	*4.62*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.07	6.23
		For Work In Restricted Working Space, Add	*4.67*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.01	6.46
		For Work In Restricted Working Space, Add	*4.85*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	30.66	6.68
		For Work In Restricted Working Space, Add	*5.01*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	31.37	6.92
		For Work In Restricted Working Space, Add	*5.19*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	36.24	7.31
		For Work In Restricted Working Space, Add	*5.48*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	42.66	8.29
		For Work In Restricted Working Space, Add	*6.22*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	49.22	9.25
		For Work In Restricted Working Space, Add	*6.94*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	58.20	10.67
		For Work In Restricted Working Space, Add	*8.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	68.03	13.26
		For Work In Restricted Working Space, Add	*9.95*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	75.30	14.48
		For Work In Restricted Working Space, Add	*10.86*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	89.46	18.51
		For Work In Restricted Working Space, Add	*13.88*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	96.01	19.43
		For Work In Restricted Working Space, Add	*14.57*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	111.97	22.22
		For Work In Restricted Working Space, Add	*16.66*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	132.92	26.84
		For Work In Restricted Working Space, Add	*20.12*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	32.50	6.64
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.51	6.64
		For Work In Restricted Working Space, Add	*4.98*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.62	6.68
		For Work In Restricted Working Space, Add	*5.01*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	33.74	6.72
		For Work In Restricted Working Space, Add	*5.05*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	34.68	6.81
		For Work In Restricted Working Space, Add	*5.11*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.63	7.03
		For Work In Restricted Working Space, Add	*5.28*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	39.48	7.29
		For Work In Restricted Working Space, Add	*5.47*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.88	7.55
		For Work In Restricted Working Space, Add	*5.66*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.03	7.97
		For Work In Restricted Working Space, Add	*5.98*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	51.49	9.06
		For Work In Restricted Working Space, Add	*6.79*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	61.89	10.08
		For Work In Restricted Working Space, Add	*7.56*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	74.68	11.64
		For Work In Restricted Working Space, Add	*8.73*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	90.74	14.47
		For Work In Restricted Working Space, Add	*10.85*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	96.07	15.80
		For Work In Restricted Working Space, Add	*11.85*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	113.55	20.19
		For Work In Restricted Working Space, Add	*15.14*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	128.72	21.19
		For Work In Restricted Working Space, Add	*15.90*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	140.09	24.24
		For Work In Restricted Working Space, Add	*18.18*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.80	7.38
		For Work In Restricted Working Space, Add	*5.53*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	39.83	7.38
		For Work In Restricted Working Space, Add	*5.53*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	40.15	7.50
		For Work In Restricted Working Space, Add	*5.63*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	41.16	7.59
		For Work In Restricted Working Space, Add	*5.69*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	43.40	7.83
		For Work In Restricted Working Space, Add	*5.87*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.37	8.07
		For Work In Restricted Working Space, Add	*6.05*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	47.93	8.19
		For Work In Restricted Working Space, Add	*6.15*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.36	8.49
		For Work In Restricted Working Space, Add	*6.37*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.46	8.97
		For Work In Restricted Working Space, Add	*6.73*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	63.99	10.17
		For Work In Restricted Working Space, Add	*7.63*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	75.57	11.34
		For Work In Restricted Working Space, Add	*8.51*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	87.06	13.10
		For Work In Restricted Working Space, Add	*9.83*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	100.29	16.27
		For Work In Restricted Working Space, Add	*12.21*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	107.08	17.78
		For Work In Restricted Working Space, Add	*13.34*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	128.24	22.73
		For Work In Restricted Working Space, Add	*17.05*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	136.07	23.82
		For Work In Restricted Working Space, Add	*17.87*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	151.37	27.26
			For Work In Restricted Working Space, Add	*20.45*	
	23 07 19 00-0123		Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*		
	23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	6.35	
			For Work In Restricted Working Space, Add	*1.17*	

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

	23 09 23 11-0001		Valves With Actuator *(23 09 23 11)*		
	23 09 23 11-0002	EA	1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	843.97	15.87
	23 09 23 11-0003	EA	3/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	870.95	21.39
	23 09 23 11-0004	EA	1" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	952.31	25.89
	23 09 23 11-0005	EA	1-1/4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,037.49	32.78
	23 09 23 11-0006	EA	1-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,181.61	37.83
	23 09 23 11-0007	EA	2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,334.71	44.70
	23 09 23 11-0008	EA	2-1/2" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,494.03	89.42
	23 09 23 11-0009	EA	3" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,700.85	104.63
	23 09 23 11-0010	EA	4" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,640.93	153.69
	23 09 23 11-0011	EA	5" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,357.04	222.10
	23 09 23 11-0012	EA	6" Diameter, 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	5,933.75	245.90
	23 09 23 11-0013	EA	1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	905.46	23.80
	23 09 23 11-0014	EA	3/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	930.53	32.08
	23 09 23 11-0015	EA	1" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,006.57	38.82
	23 09 23 11-0016	EA	1-1/4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	1,113.57	49.18
	23 09 23 11-0017	EA	1-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	1,432.72	56.75
	23 09 23 11-0018	EA	2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,587.80	67.06
	23 09 23 11-0019	EA	2-1/2" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	2,798.67	134.13
	23 09 23 11-0020	EA	3" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	3,072.72	156.95
	23 09 23 11-0021	EA	4" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	4,470.68	230.52
	23 09 23 11-0022	EA	5" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	6,485.04	333.15
	23 09 23 11-0023	EA	6" Diameter, 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	7,209.83	368.85
	23 09 23 11-0024	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	142.03	15.87
	23 09 23 11-0025	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	167.31	21.39
	23 09 23 11-0026	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	210.88	25.89
	23 09 23 11-0027	EA	1/2" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	173.36	23.80
	23 09 23 11-0028	EA	3/4" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	202.26	32.08
	23 09 23 11-0029	EA	1" Diameter, Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	253.07	38.82
	23 09 23 11-0030	EA	1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	237.26	15.87
	23 09 23 11-0031	EA	3/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	281.05	21.39
	23 09 23 11-0032	EA	1" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	319.56	25.89
	23 09 23 11-0033	EA	1-1/4" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	415.84	32.78
	23 09 23 11-0034	EA	1-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	429.81	37.83
	23 09 23 11-0035	EA	2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	547.86	44.70
	23 09 23 11-0036	EA	2-1/2" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	1,177.49	89.42
	23 09 23 11-0037	EA	3" Diameter, 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,382.50	104.63
	23 09 23 11-0038	EA	1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	287.10	23.80
	23 09 23 11-0039	EA	3/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	331.62	32.08
	23 09 23 11-0040	EA	1" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	428.21	38.82
	23 09 23 11-0041	EA	1-1/4" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	608.10	49.18
	23 09 23 11-0042	EA	1-1/2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	640.63	56.75
	23 09 23 11-0043	EA	2" Diameter, 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	849.73	67.06
	23 09 23 11-0044	EA	2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	691.43	81.96
	23 09 23 11-0045	EA	2-1/2" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	725.73	89.42
	23 09 23 11-0046	EA	3" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	955.26	104.63
	23 09 23 11-0047	EA	4" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,457.11	175.64
	23 09 23 11-0048	EA	5" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,945.58	222.10
	23 09 23 11-0049	EA	6" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	3,106.59	245.90
	23 09 23 11-0050	EA	8" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	4,230.80	281.03
	23 09 23 11-0051	EA	10" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	5,190.88	344.26
	23 09 23 11-0052	EA	12" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	6,415.99	417.28
	23 09 23 11-0053	EA	14" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	7,126.93	491.78
	23 09 23 11-0054	EA	16" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	9,435.77	540.97
	23 09 23 11-0055	EA	18" Diameter, 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	11,441.19	600.97
	23 09 23 11-0056	EA	2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,280.41	122.95
	23 09 23 11-0057	EA	2-1/2" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,509.35	134.13
	23 09 23 11-0058	EA	3" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,864.19	156.95
	23 09 23 11-0059	EA	4" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	2,385.30	263.46
	23 09 23 11-0060	EA	5" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	4,906.24	333.15
	23 09 23 11-0061	EA	6" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	5,077.23	368.85
	23 09 23 11-0062	EA	8" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	6,404.89	421.58
	23 09 23 11-0063	EA	10" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	8,482.35	516.38
	23 09 23 11-0064	EA	12" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	10,310.44	625.92
	23 09 23 11-0065	EA	14" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	16,114.59	737.69
	23 09 23 11-0066	EA	16" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	17,969.76	811.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0067	EA	18" Diameter, 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	27,693.37	901.46
23 09 23 11-0068		**Valve Actuators** *(23 09 23 11)*		
23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	480.35	101.58
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	487.81	101.58
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	605.06	101.58
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	549.83	101.58
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	560.73	101.58
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	632.29	101.58
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	769.28	101.58
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	786.04	101.58
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	826.43	101.58
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	587.95	101.58
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	672.70	101.58
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	596.84	101.58
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	607.76	101.58
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	611.84	101.58
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	686.11	101.58
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	718.14	101.58
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	735.16	101.58
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	731.77	101.58
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	742.67	101.58
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	741.98	101.58
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	812.65	101.58
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	991.38	101.58
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	649.31	101.58
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	780.16	101.58
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,806.32	101.58
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	2,029.81	101.58
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	2,443.41	101.58
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,772.52	101.58
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	3,288.33	101.58
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,879.79	101.58
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	5,239.84	101.58
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-Lb., Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	6,404.33	101.58
23 09 23 12		**Control Dampers** *(23 09 23)*		
23 09 23 12-0001		Rectangular Galvanized Volume Control Dampers *(23 09 23 12)* Note: Excludes actuators.		
23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	216.91	38.90
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	244.75	42.66
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	273.81	47.05
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	316.42	55.20
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	357.76	62.73
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	360.29	70.58
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	443.94	78.42
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	530.08	94.09
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	683.09	109.77
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	1,022.35	125.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,894.19	141.14
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	2,411.00	156.82
23 09 23 12-0014		Round Galvanized Control Dampers *(23 09 23 12)*		
		Note: Excludes actuators.		
23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	209.45	43.91
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	215.83	47.05
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	225.58	47.05
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	250.19	53.32
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	286.34	53.32
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	309.55	62.73
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	416.27	66.03
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	435.37	68.44
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	461.69	73.79
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	488.58	79.12
23 09 23 12-0025		Remote Damper Control *(23 09 23 12)*		
23 09 23 12-0026	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	304.94	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	
23 09 23 12-0027	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	296.23	
		For Each 10' Flexible Casing And Wire, Add	*42.60*	
23 09 23 13		**Energy Meters** *(23 09 23)*		
23 09 23 13-0001		Surge Protectors *(23 09 23 13)*		
23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	360.68	8.18
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	270.91	8.18
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	425.38	8.18
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	227.08	8.18
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	227.08	8.18
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	227.08	8.18
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	331.47	8.18
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	202.02	8.18
23 09 23 14		**Flow Instruments** *(23 09 23)*		
23 09 23 14-0001		Water Flow Meters *(23 09 23 14)*		
23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	5,468.82	108.64
23 09 23 14-0003		Air Flow Monitoring Stations *(23 09 23 14)*		
23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	4,288.77	120.44
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	6,163.37	120.44
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	7,673.76	120.44
23 09 23 16		**Gas Instruments** *(23 09 23)*		
23 09 23 16-0001		Gas Sensors *(23 09 23 16)*		
23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	2,239.97	49.07
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	981.78	32.72
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,773.20	49.07
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	940.38	58.89
23 09 23 19		**Moisture Instruments** *(23 09 23)*		
23 09 23 19-0001		Relative Humidity Sensors *(23 09 23 19)*		
23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	570.30	58.89
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	586.98	58.89
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	654.12	81.79
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	530.34	32.72
23 09 23 21		**Motion Instruments** *(23 09 23)*		
23 09 23 21-0001		Peco Motion Sensors *(23 09 23 21)*		
23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	189.32	23.00
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	185.35	23.00
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	252.08	23.00
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	222.63	23.00
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	60.80	23.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	55.31	23.00
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	111.74	23.00

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	767.14	69.07
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	677.57	69.07
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	244.13	69.07
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	254.53	69.07
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	274.90	69.07
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	251.52	69.07
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	2,948.79	69.07
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	2,948.79	69.07
23 09 23 23-0010	EA	Magnahelic Gauge	709.53	42.22

23 09 23 23-0011 Room Pressure Monitoring *(23 09 23 23)*

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	3,544.89	62.73
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC) Note: Excludes dampers and actuators.	5,725.41	62.73
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	446.43	37.64
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	516.02	37.64

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	186.16	58.89
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	275.74	58.89
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	196.47	58.89
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	207.03	58.89
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	210.55	58.89
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	207.08	58.89
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP)	208.94	58.89
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	226.74	58.89
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	242.29	58.89
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	286.84	81.79
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	298.81	81.79
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	132.39	32.72
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	136.79	32.72
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	125.24	32.72

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	153.16	63.29
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	335.57	63.29

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	395.19	15.34
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	349.55	15.34

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Services *(23 09 23 53-0001)*

Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	189.15	
23 09 23 53-0004	HR	EMCS Engineering Project Management	189.15	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	199.38	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	163.60	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	171.26	
23 09 23 53-0008	HR	EMCS System Controls Training	178.93	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	184.04	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	158.48	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	153.37	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	134.25	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	134.25	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	134.25	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	115.02	
23 09 23 53-0017		EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)* Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	44.78	
23 09 23 53-0019		Alerton Controls *(23 09 23 53)*		
23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	12,394.80	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	16,446.60	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	44,432.12	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	32,872.89	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	87,627.12	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	68,717.44	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	105,878.51	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	2,752.31	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	39,029.69	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	28,060.58	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	16,361.45	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	9,407.64	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	3,423.18	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	6,824.04	245.39
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	10,204.34	327.18
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	10,055.89	327.18
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	3,234.58	245.39
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	4,104.57	245.39
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	2,966.88	245.39
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	3,905.03	245.39
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	10,437.81	245.39
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	4,014.68	327.18
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	9,057.51	654.36
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	10,961.76	654.36
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,494.68	72.86
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,474.11	245.39
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	2,674.88	245.39
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,981.33	245.39
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	2,261.19	245.39
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	2,249.02	245.39
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,855.15	245.39
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	2,749.11	245.39
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	4,276.31	327.18
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,824.23	163.60
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,743.91	163.60
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	2,279.43	245.39
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	2,279.43	245.39
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	2,927.96	245.39
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	6,406.85	327.18
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,395.02	245.39
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	190.31	9.20
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	331.94	9.20
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	906.25	9.20
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	906.25	9.20
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	696.99	9.20
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	210.28	9.20
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	958.58	9.20
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	1,080.27	9.20
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,842.98	245.39
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	4,142.28	245.39
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,884.35	245.39
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	10,361.58	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	5,675.01	245.39
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	1,230.99	136.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	1,071.31	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	1,215.11	9.20

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	4,447.29	245.39
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	9,254.51	736.17
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,787.57	245.39
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	6,590.32	327.18
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	6,466.46	327.18
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	9,960.26	654.36
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	5,661.37	327.18
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	5,983.15	245.39
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	9,217.10	654.36
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,791.91	163.60
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	1,929.18	163.60
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	3,434.50	163.60
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	3,295.16	163.60
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,465.53	245.39
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	18,679.52	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	11,124.06	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	16,300.46	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP) Note: One for every thermostat to be retrofitted.	559.83	10.23
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP) Note: One for every thermostat to be retrofitted.	559.83	10.23
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP) Note: One for every thermostat to be retrofitted.	559.83	10.23
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP) Note: One for every thermostat to be retrofitted.	559.83	10.23
		For >50 To 200, Deduct	*-29.23*	
		For >200, Deduct	*-58.41*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB) Note: One for every thermostat to be retrofitted.	638.13	10.23
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB) Note: One for every thermostat to be retrofitted.	638.13	10.23
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB) Note: One for every thermostat to be retrofitted.	638.13	10.23
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB) Note: One for every thermostat to be retrofitted.	638.13	10.23
		For >50 To 200, Deduct	*-33.59*	
		For >200, Deduct	*-67.11*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV) Note: Optional cover.	43.80	10.23
		For >50 To 200, Deduct	*-1.87*	
		For >200, Deduct	*-3.73*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-830-COM) Note: One unit for up to 100 thermostats.	5,014.35	10.23
		For 2, Deduct	*-256.06*	
		For >2, Deduct	*-511.66*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB) Note: One unit for up to 100 thermostats.	490.73	10.23
		For 2, Deduct	*-26.72*	
		For >2, Deduct	*-53.38*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL) Note: One unit for up to 15 thermostats.	844.82	10.23
		For >5 To 10, Deduct	*-44.13*	
		For >10, Deduct	*-88.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V) Note: One unit for up to 15 thermostats.	1,025.22	10.23
		For >5 To 10, Deduct	*-51.32*	
		For >10, Deduct	*-102.54*	
23 09 23 53-0109		Delta Controls *(23 09 23 53)*		
23 09 23 53-0110		Software *(23 09 23 53-0109)* Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	2,495.27	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	4,352.94	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	9,431.37	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	14,828.60	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	7,573.70	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	2,495.27	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	6,122.72	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	7,573.70	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	2,599.95	102.25
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	2,942.86	
23 09 23 53-0121		EMCS Central Equipment And Controllers *(23 09 23 53-0109)*		
23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616) Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup	8,469.96	408.97
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	6,148.39	408.97
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,214.96	408.97
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	4,214.96	408.97
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,214.96	408.97
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	3,861.39	408.97
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,460.02	204.49
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,304.04	204.49
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,407.53	204.49
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,304.04	204.49
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	3,344.01	255.61
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	789.31	102.25
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	855.07	102.25
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	1,025.64	102.25
23 09 23 53-0136		Network, VAV And Special Sensors *(23 09 23 53-0109)*		
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	277.57	32.72
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	382.22	36.81
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	781.16	15.34
23 09 23 53-0140		Honeywell Controls *(23 09 23 53)*		
23 09 23 53-0141		EMCS Central Equipment And Controllers *(23 09 23 53-0140)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0142		EMCS Network Area Controllers (BACnet Or Lon) *(23 09 23 53-0141)* Note: Includes loading software, software license, loading data base and mounting on wall.		
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	11,998.34	498.44
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	7,907.71	498.44
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	5,833.98	498.44
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	7,484.18	498.44
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	5,777.17	498.44
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	5,777.17	498.44
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,347.89	498.44
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,947.03	498.44
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,347.89	498.44
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,947.03	498.44
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,952.19	498.44
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	7,551.33	498.44
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	6,952.19	498.44
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	7,551.33	498.44
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	7,455.77	498.44
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	9,457.19	498.44
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	10,074.40	498.44
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	12,075.81	498.44
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	10,102.81	498.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	13,917.11	498.44
23 09 23 53-0163		**EMCS Network Interfaces** *(23 09 23 53-0141)* Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,792.31	138.03
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,514.69	92.02
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,920.24	172.59
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	2,993.25	249.28
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,498.00	249.28
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	100.17	30.67
23 09 23 53-0170		**DDC Application Specific Controller Assemblies** *(23 09 23 53-0141)* Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,711.93	563.65
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,328.51	333.60
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,872.97	660.28
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,489.55	430.22
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,192.85	690.22
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,905.24	517.16
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,365.37	793.74
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,054.72	607.44
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,371.52	563.57
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,988.10	333.60
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,582.45	690.22
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,198.94	460.10
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	3,246.11	572.85
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,855.03	468.28
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,457.04	793.73
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	3,065.86	527.58
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	4,166.13	793.73
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,817.27	507.13
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,588.00	793.73
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	4,239.04	594.04
23 09 23 53-0191		**DDC Programmable Controller Assemblies** *(23 09 23 53-0141)* Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,713.02	609.69
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	3,202.68	609.69
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,368.51	717.04
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	4,858.17	717.04
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,165.31	839.74
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	8,731.34	839.74
23 09 23 53-0198		**EMCS Optional DDC Controller Hardware** *(23 09 23 53-0141)* Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	588.80	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	680.48	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	712.76	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	672.73	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	683.06	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	667.57	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	574.60	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	499.71	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	732.13	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	654.66	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	723.09	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	1,535.28	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,909.74	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	954.22	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	940.02	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	460.97	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	524.24	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	968.43	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	1,035.57	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	648.20	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	648.20	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	648.20	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	648.20	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	114.92	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	216.93	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	213.05	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	652.07	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	96.84	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	652.07	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	600.42	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	600.42	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	632.71	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	632.71	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	910.32	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	1,074.31	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	2,282.90	

23 09 23 53-0235 EMCS Software *(23 09 23 53-0140)*

23 09 23 53-0236 Software Packages And License *(23 09 23 53-0235)*

Note: Includes installation on equipment.

23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	728.26	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	2,702.63	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	8,134.78	
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	4,842.13	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	5,414.22	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	3,747.73	
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX) Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.	6,775.68	
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.	777.89	
23 09 23 53-0245	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX) Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.	474.45	
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.	37,253.99	
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX) Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.	33,955.53	
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	12,971.75	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	9,679.10	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	2,798.11	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	2,798.11	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL) Note: Excludes Oracle.	19,368.52	
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500) Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.	2,582.47	
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	2,798.11	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003) Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.	7,317.43	
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	2,798.11	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	46,915.73	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	86,082.76	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	150,644.51	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	7,747.41	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	3,873.70	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	2,952.33	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055) Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.	3,283.68	

23 09 23 53-0264 Initial Database Generation *(23 09 23 53-0235)*

23 09 23 53-0265	PNT	Database Generation For Central Plant	68.60	

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0266	PNT	Database Generation For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	68.60	
23 09 23 53-0267	EA	Database Generation For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	68.60	
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller Note: Price per copy made.	47.75	
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, etc.	47.75	
23 09 23 53-0270		**Application Software Programs** *(23 09 23 53-0235)*		
23 09 23 53-0271	EA	Optimum Start/Stop Program Note: Priced per controller requiring optimum start programming.	95.70	
23 09 23 53-0272	EA	Duty Cycling Program	45.20	
23 09 23 53-0273	EA	Demand Limiting Program Note: Priced per controller requiring optimum start programming.	83.94	
23 09 23 53-0274		**Color Graphics Generation** *(23 09 23 53-0235)* Note: Priced per page.		
23 09 23 53-0275	EA	Single Site Home Page Graphics Page With HTML Navigation Code	1,715.47	
23 09 23 53-0276	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,045.74	
23 09 23 53-0277	EA	Color Graphics Page For Central Plant	779.41	
23 09 23 53-0278	EA	Color Graphics Page For Building Floor Plan	719.70	
23 09 23 53-0279	EA	Replication Of Color Graphics Page For Central Plant	390.98	
23 09 23 53-0280	EA	Color Graphics Page For Programmable Controller Note: For VAV AHU, large CV AHU, or heat exchanger, etc.	876.85	
23 09 23 53-0281	EA	Replication Of Color Graphics Page For Programmable Controller Note: Priced per copy made.	187.51	
23 09 23 53-0282	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	811.00	
23 09 23 53-0283	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	81.08	
23 09 23 53-0284		**Sensors, Actuators And Control Devices** *(23 09 23 53-0140)* Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
23 09 23 53-0285		**Special Sensors** *(23 09 23 53-0284)*		
23 09 23 53-0286	EA	Dewpoint Sensor (Honeywell C7232B1014)	2,255.57	63.29
23 09 23 53-0287	EA	Enthalpy Sensor -25 To 125 F	2,356.73	63.29
23 09 23 53-0288	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	974.50	126.58
23 09 23 53-0289	EA	Freezestat (Honeywell L482A1004)	649.58	210.93
23 09 23 53-0290	EA	Wall Mounted Occupancy Sensor	491.04	63.29
23 09 23 53-0291	EA	Ceiling Mounted Occupancy Sensor	379.52	63.29
23 09 23 53-0292	EA	I/P Positioner With Gauge	448.67	63.29
23 09 23 53-0293	EA	Non-Communicating Duct Mounted Smoke Detector With Sampling Tube	535.89	63.29
23 09 23 53-0294	EA	EP Transducer	448.67	42.22
23 09 23 53-0295	EA	Electric Heat Sequencer	701.52	84.35
23 09 23 53-0296		**Meters** *(23 09 23 53-0284)*		
23 09 23 53-0297	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	4,586.01	506.11
23 09 23 53-0298	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	6,593.07	590.46
23 09 23 53-0299	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,536.03	210.93
23 09 23 53-0300	EA	300 To 800 Amperes, Current Transformer For KW Meter	1,796.66	210.93
23 09 23 53-0301	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	2,296.50	210.93
23 09 23 53-0302		**Direct Coupled Actuators** *(23 09 23 53-0284)*		
23 09 23 53-0303	EA	44 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	683.55	103.50
23 09 23 53-0304	EA	88 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	756.98	103.50
23 09 23 53-0305	EA	175 IN-Lb., 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	883.23	103.50
23 09 23 53-0306	EA	44 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	640.58	103.50
23 09 23 53-0307	EA	88 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	719.55	103.50
23 09 23 53-0308	EA	175 IN-Lb., 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	797.75	103.50
23 09 23 53-0309	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	723.87	103.50
23 09 23 53-0310	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	836.47	103.50
23 09 23 53-0311	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	958.00	103.50
23 09 23 53-0312	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	582.00	103.50
23 09 23 53-0313	EA	88 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	641.96	103.50
23 09 23 53-0314	EA	175 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	762.41	103.50
23 09 23 53-0315	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	819.11	103.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0316	EA	300 IN-Lb., 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	818.40	103.50
23 09 23 53-0317	EA	300 IN-Lb., 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	973.88	103.50
23 09 23 53-0318	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	606.57	103.50
23 09 23 53-0319	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	1,073.18	103.50
23 09 23 53-0320	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	453.17	103.50
23 09 23 53-0321	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	696.04	103.50

23 09 23 53-0322 Thermostats *(23 09 23 53-0140)*

23 09 23 53-0323 Electric And Electronic Thermostats *(23 09 23 53-0322)*

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.

23 09 23 53-0324	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	207.59	15.34
23 09 23 53-0325	EA	Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	226.20	15.34
23 09 23 53-0326	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	205.52	15.34
23 09 23 53-0327	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	233.85	15.34
23 09 23 53-0328	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	255.14	15.34
23 09 23 53-0329	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	391.60	15.34
23 09 23 53-0330	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	585.94	15.34
23 09 23 53-0331	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	970.19	15.34
23 09 23 53-0332	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	1,036.95	15.34

23 09 23 53-0333 Pneumatic Thermostats *(23 09 23 53-0322)*

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.

23 09 23 53-0334	EA	Pneumatic Thermostat (Honeywell TP970B2182)	307.09	15.34

23 09 23 53-0335 Thermostats Guards *(23 09 23 53-0322)*

23 09 23 53-0336	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	70.88	15.34
23 09 23 53-0337	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	86.39	15.34
23 09 23 53-0338	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	80.81	15.34

23 09 23 53-0339 Johnson Controls *(23 09 23 53)*

23 09 23 53-0340 Software *(23 09 23 53-0339)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0341	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	20,943.17	
23 09 23 53-0342	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	24,786.08	
23 09 23 53-0343	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	1,131.31	
23 09 23 53-0344	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,764.63	
23 09 23 53-0345	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	3,201.32	
23 09 23 53-0346	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	1,142.03	
23 09 23 53-0347	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	1,134.75	
23 09 23 53-0348	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	351.40	

23 09 23 53-0349 Supervisory Controllers *(23 09 23 53-0339)*

23 09 23 53-0350	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	8,229.28	408.97
23 09 23 53-0351	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	13,297.41	408.97
23 09 23 53-0352	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	18,376.78	408.97
23 09 23 53-0353	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	6,277.06	408.97

23 09 23 53-0354 Controllers *(23 09 23 53-0339)*

23 09 23 53-0355	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	947.54	102.25
23 09 23 53-0356	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	1,285.48	204.49
23 09 23 53-0357	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,593.52	204.49
23 09 23 53-0358	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,931.45	204.49
23 09 23 53-0359	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	753.66	102.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0360	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	839.83	102.25
23 09 23 53-0361	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	969.09	102.25
23 09 23 53-0362	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	986.32	102.25
23 09 23 53-0363	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	2,019.37	204.49
23 09 23 53-0364	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	963.21	102.25
23 09 23 53-0365	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0) Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications	1,454.64	102.25
23 09 23 53-0366		**Master FX Controllers** *(23 09 23 53-0339)*		
23 09 23 53-0367	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	2,612.13	204.49
23 09 23 53-0368	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,816.33	204.49
23 09 23 53-0369	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	2,917.80	204.49
23 09 23 53-0370	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	2,856.13	204.49
23 09 23 53-0371	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,759.76	204.49
23 09 23 53-0372	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,775.21	204.49
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,759.76	204.49
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	2,816.55	204.49
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	2,992.90	204.49
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	3,110.46	204.49
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	3,051.68	204.49
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	2,931.35	204.49
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	2,816.55	204.49
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	2,992.90	204.49
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	3,110.46	204.49
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	3,051.68	204.49
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	2,931.35	204.49
23 09 23 53-0384	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	310.54	51.12
23 09 23 53-0385	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	455.21	51.12
23 09 23 53-0386	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	351.15	51.12
23 09 23 53-0387	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	310.54	51.12
23 09 23 53-0388	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	867.47	51.12
23 09 23 53-0389	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	793.05	51.12
23 09 23 53-0390	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	810.47	51.12
23 09 23 53-0391	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	810.47	51.12
23 09 23 53-0392	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	897.51	51.12
23 09 23 53-0393	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	897.51	51.12
23 09 23 53-0394	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	1,147.74	51.12
23 09 23 53-0395	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	1,147.74	51.12
23 09 23 53-0396	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	1,289.18	51.12
23 09 23 53-0397	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	1,289.18	51.12
23 09 23 53-0398		**VAV, Network And Special Sensors** *(23 09 23 53-0339)*		
23 09 23 53-0399	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	618.81	32.72
23 09 23 53-0400	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	191.50	32.72
23 09 23 53-0401	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	473.64	32.72
23 09 23 53-0402	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	720.05	32.72
23 09 23 53-0403	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	223.50	32.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0404	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	650.57	32.72
23 09 23 53-0405		**Sensors - Hard Wired Type** *(23 09 23 53-0339)*		
23 09 23 53-0406	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	166.53	58.89
23 09 23 53-0407	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	154.92	32.72
23 09 23 53-0408	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	476.48	15.34
23 09 23 53-0409	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	653.33	15.34
23 09 23 53-0410	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	477.45	15.34
23 09 23 53-0411	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	634.79	32.72
23 09 23 53-0412	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	787.84	32.72
23 09 23 53-0413		**Melink Intelli-Hood IH3 Controls** *(23 09 23 53)*		
23 09 23 53-0414		**Kitchen Ventilation Controllers** *(23 09 23 53-0413)*		
23 09 23 53-0415	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points. Includes 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	9,708.65	408.97
23 09 23 53-0416	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	1,942.31	84.35
23 09 23 53-0417	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	2,999.17	340.47
23 09 23 53-0418		**Kitchen Ventilation Sensors** *(23 09 23 53-0413)*		
23 09 23 53-0419	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	552.91	58.89
23 09 23 53-0420	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	4,874.15	327.18
23 09 23 53-0421		**Siemens Controls** *(23 09 23 53)*		
23 09 23 53-0422	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	458.58	15.34
23 09 23 53-0423	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	316.91	15.34
23 09 23 53-0424	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	302.28	69.07
23 09 23 53-0425	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	483.46	69.07
23 09 23 53-0426	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	78.64	10.23
23 09 23 53-0427	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	261.21	102.25
23 09 23 53-0428	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	440.98	21.39
23 09 23 53-0429	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	777.65	38.82
23 09 23 53-0430	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	1,572.07	38.82
23 09 23 53-0431	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	1,326.95	49.18
23 09 23 53-0432	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	309.83	58.89
23 09 23 53-0433	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	272.02	32.72
23 09 23 53-0434	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	609.34	48.26
23 09 23 53-0435	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	111.46	5.11
23 09 23 53-0436	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	971.52	98.16
23 09 23 53-0437	EA	MMI Extension Cable (Siemens 545-712)	249.79	5.11
23 09 23 53-0438	EA	Remote Pressure Transmitter (Siemens 547-003)	1,523.09	32.72
23 09 23 53-0439	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	918.09	24.54
23 09 23 53-0440	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	778.65	65.44
23 09 23 53-0441	EA	Door Lock And Key Assembly (Siemens 567-225)	39.88	20.45
23 09 23 53-0442	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	15,590.27	
23 09 23 53-0443	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	471.34	
23 09 23 53-0444	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	3,367.41	
23 09 23 53-0445	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	517.84	12.91
23 09 23 53-0446	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	1,091.43	22.37
23 09 23 53-0447	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	10,265.41	40.90
23 09 23 53-0448	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	12,099.51	40.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0449	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	180.43	15.34
23 09 23 53-0450	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	466.13	50.19
23 09 23 53-0451	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	497.94	50.19
23 09 23 53-0452	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	4,552.69	
23 09 23 53-0453	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	919.31	
23 09 23 53-0454	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	2,958.71	
23 09 23 53-0455	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	2,118.02	
23 09 23 53-0456	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,820.76	
23 09 23 53-0457	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	5,382.98	
23 09 23 53-0458	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	850.97	2.05
23 09 23 53-0459	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	950.29	8.18
23 09 23 53-0460	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	479.00	2.05
23 09 23 53-0461	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	440.87	57.26
23 09 23 53-0462	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	797.88	57.26
23 09 23 53-0463	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	1,129.81	65.44
23 09 23 53-0464	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	37.66	10.23
23 09 23 53-0465	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	830.91	25.56
23 09 23 53-0466	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,341.79	25.56
23 09 23 53-0467	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	1,019.13	25.56
23 09 23 53-0468	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,556.92	25.56
23 09 23 53-0469	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	4,568.47	51.12
23 09 23 53-0470	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	5,917.10	51.12
23 09 23 53-0471	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	6,745.08	51.12
23 09 23 53-0472	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	1,835.39	51.12
23 09 23 53-0473	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,200.10	51.12
23 09 23 53-0474	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	1,958.45	51.12
23 09 23 53-0475	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	2,689.06	51.12
23 09 23 53-0476	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	2,940.88	51.12
23 09 23 53-0477	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	2,878.41	51.12
23 09 23 53-0478	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,104.04	51.12
23 09 23 53-0479	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	2,872.72	51.12
23 09 23 53-0480	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,102.50	51.12
23 09 23 53-0481	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	4,007.05	51.12
23 09 23 53-0482	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,023.41	51.12
23 09 23 53-0483	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	1,365.84	
23 09 23 53-0484	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	530.44	25.56
23 09 23 53-0485	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	382.96	25.56
23 09 23 53-0486	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3) Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported	876.19	20.45
23 09 23 53-0487	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	292.82	25.56
23 09 23 53-0488	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	277.45	32.72
23 09 23 53-0489	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	135.49	25.56
23 09 23 53-0490	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	97.77	25.56
23 09 23 53-0491	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	300.78	51.12
23 09 23 53-0492	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	189.42	38.34
23 09 23 53-0493	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	3,529.31	329.43
23 09 23 53-0494	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	33.80	10.23
23 09 23 53-0495	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.89	
23 09 23 53-0496	EA	16 Digital Input Module (Siemens TXM1.16D)	670.36	10.23
23 09 23 53-0497	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	1,018.33	10.23
23 09 23 53-0498	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,639.30	20.45
23 09 23 53-0499	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	499.64	6.14

23 09 23 53-0500 Trane Controls *(23 09 23 53)*

23 09 23 53-0501 Software *(23 09 23 53-0500)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0502	EA	Summit + Building Management Package (Trane 40201152)	7,700.50	
23 09 23 53-0503	EA	Summit Current Version Software (Trane 40201111)	4,312.88	
23 09 23 53-0504	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	1,061.83	
23 09 23 53-0505	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	4,286.38	
23 09 23 53-0506	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	11,991.38	

23 09 23 53-0507 EMCS Central Equipment And Controllers *(23 09 23 53-0500)*

23 09 23 53-0508	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	5,883.12	408.97
23 09 23 53-0509	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	14,500.76	408.97
23 09 23 53-0510	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	14,500.76	408.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0511	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	12,629.57	408.97
23 09 23 53-0512	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	14,805.19	408.97
23 09 23 53-0513	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	210.57	25.56
23 09 23 53-0514	EA	Summit Comm5 Repeater (Trane 49500457)	1,616.49	204.49
23 09 23 53-0515	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	2,846.63	255.61
23 09 23 53-0516	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	3,675.67	306.74
23 09 23 53-0517	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	2,811.01	306.74
23 09 23 53-0518	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	2,323.18	306.74
23 09 23 53-0519	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	2,320.49	306.74
23 09 23 53-0520	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	1,086.33	102.25
23 09 23 53-0521	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	978.85	102.25
23 09 23 53-0522	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,742.86	204.49
23 09 23 53-0523	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,653.72	204.49
23 09 23 53-0524	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	939.48	102.25
23 09 23 53-0525	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	810.06	102.25
23 09 23 53-0526	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	1,257.94	102.25
23 09 23 53-0527	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	1,129.23	102.25
23 09 23 53-0528	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	951.00	102.25
23 09 23 53-0529	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	901.58	102.25
23 09 23 53-0530	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	1,053.34	102.25
23 09 23 53-0531	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	951.00	102.25
23 09 23 53-0532	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,255.84	204.49
23 09 23 53-0533	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,383.12	204.49
23 09 23 53-0534		Network, VAV And Special Sensors *(23 09 23 53-0500)*		
23 09 23 53-0535	EA	Digital Display Zone Sensor (Trane X13790464010)	228.44	32.72
23 09 23 53-0536	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	145.07	32.72
23 09 23 53-0537	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	131.01	32.72
23 09 23 53-0538	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	283.87	36.81
23 09 23 53-0539	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	164.29	32.72
23 09 23 53-0540	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	164.29	32.72
23 09 23 53-0541	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	610.28	58.89
23 09 23 53-0542	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	572.97	32.72
23 09 23 53-0543	EA	Transformer 120/24 40 VA (Trane X13550284010)	123.98	32.72
23 09 23 53-0544	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	118.95	32.72
23 09 23 53-0545	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	110.92	32.72
23 09 23 53-0546	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,435.65	204.49
23 09 23 53-0547	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,366.98	204.49
23 09 23 53-0548	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,223.69	204.49
23 09 23 53-0549	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	2,244.35	306.74
23 09 23 53-0550	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,223.69	204.49
23 09 23 53-0551	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,296.37	204.49
23 09 23 53-0552	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,302.04	204.49
23 09 23 53-0553	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	442.25	203.62
23 09 23 53-0554	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	684.16	203.62
23 09 23 53-0555	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,548.70	306.74
23 09 23 53-0556	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,438.21	306.74
23 09 23 53-0557	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	149.09	40.75
23 09 23 53-0558	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	576.11	40.75
23 09 23 53-0559	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,617.00	306.74
23 09 23 53-0560	EA	BACnet Term (2 Pack) (Trane X1365152401)	232.59	73.31
23 09 23 53-0561	EA	Tracer ES Add License (Trane X40250125010)	3,096.39	
23 09 23 53-0562	EA	Kit - Tracer TU For Controls (Trane X4509151201)	4,954.62	408.97
23 09 23 53-0563	EA	Kit - Tracer TU Complete (Trane X4509151301)	6,638.08	408.97
23 09 23 53-0564	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	658.48	73.31
23 09 23 53-0565	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	362.17	73.31
23 09 23 53-0566	EA	Sensor Wireless Display Sensor (Trane X13790822010)	414.40	73.31
23 09 23 53-0567	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	367.19	73.31
23 09 23 53-0568	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	511.68	73.31
23 09 23 53-0569	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	560.89	73.31
23 09 23 53-0570		Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*		
23 09 23 53-0571		Current Switches And Current Sensors *(23 09 23 53-0570)*		
23 09 23 53-0572	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	134.02	32.72
23 09 23 53-0573	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	140.05	32.72
23 09 23 53-0574	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	228.44	32.72
23 09 23 53-0575	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	125.99	32.72
23 09 23 53-0576	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	433.35	32.72
23 09 23 53-0577	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	268.36	32.72
23 09 23 53-0578	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	199.49	32.72
23 09 23 53-0579	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	199.49	32.72
23 09 23 53-0580	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	5,835.80	163.60
23 09 23 53-0581	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) Note: 3 phase networked transducer.	1,489.43	32.72
23 09 23 53-0582	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	2,275.51	32.72
23 09 23 53-0583	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	215.66	32.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0584	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	296.15	86.91
23 09 23 53-0585	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	296.64	86.91
23 09 23 53-0586	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	320.74	86.91
23 09 23 53-0587	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	326.77	86.91
23 09 23 53-0588	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	360.92	86.91
23 09 23 53-0589	EA	Toggle Switch	117.53	40.90
23 09 23 53-0590	EA	Maintained Pushbutton Switch	127.37	40.90
23 09 23 53-0591	EA	Manual Time Switch	220.15	40.90
23 09 23 53-0592	EA	Emergency Stop Switch	386.06	40.90
23 09 23 53-0593	EA	Float Switch	344.22	40.90
23 09 23 53-0594	EA	Break Glass Switch	1,223.76	40.90
23 09 23 53-0595	EA	Boiler E-Stop Switch	692.78	40.90

23 09 23 53-0596 Relays *(23 09 23 53-0570)*

23 09 23 53-0597	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	106.90	32.72
23 09 23 53-0598	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	119.26	32.72
23 09 23 53-0599	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) Note: Box type.	172.28	40.90
23 09 23 53-0600	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	230.09	32.72
23 09 23 53-0601	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	97.94	32.72
23 09 23 53-0602	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	96.13	32.72
23 09 23 53-0603	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	106.90	32.72
23 09 23 53-0604	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	112.55	32.72
23 09 23 53-0605	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	114.09	32.72
23 09 23 53-0606	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	120.23	40.90
23 09 23 53-0607	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	170.65	40.90
23 09 23 53-0608	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	326.16	40.90
23 09 23 53-0609	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	323.93	40.90

23 09 23 53-0610 Transformers *(23 09 23 53-0570)*

23 09 23 53-0611	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	132.70	32.72
23 09 23 53-0612	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	146.72	32.72
23 09 23 53-0613	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	146.72	32.72
23 09 23 53-0614	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	159.41	32.72
23 09 23 53-0615	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	167.23	32.72

23 09 23 53-0616 Power Supplies *(23 09 23 53-0570)*

23 09 23 53-0617	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	211.59	32.72
23 09 23 53-0618	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	250.50	32.72
23 09 23 53-0619	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	232.96	32.72
23 09 23 53-0620	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	241.26	32.72
23 09 23 53-0621	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	233.86	32.72
23 09 23 53-0622	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	246.24	32.72
23 09 23 53-0623	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	178.14	32.72

23 09 23 53-0624 Control Damper Actuators *(23 09 23 53-0570)*

23 09 23 53-0625	EA	44 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	547.89	103.65
23 09 23 53-0626	EA	90 IN-Lb., 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	594.89	103.65
23 09 23 53-0627	EA	90 IN-Lb., 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	671.89	103.65
23 09 23 53-0628	EA	175 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	708.69	103.65
23 09 23 53-0629	EA	90 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	730.52	103.65
23 09 23 53-0630	EA	360 IN-Lb., 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	816.37	103.65

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.61	1.02
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.31	1.05
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	4.33	1.08
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	5.50	1.11

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.32	1.02
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.50	1.05
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.87	1.08
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	3.57	1.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0012		Nylon Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.75	0.99
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	3.65	1.02
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	5.53	1.08
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	7.09	1.11
23 09 43 00-0017		Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.69	1.02
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.36	1.08
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	5.26	1.11
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.41	1.14
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	7.26	1.17
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	9.95	1.20
23 09 43 00-0024		Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	3.65	1.14
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	4.25	1.17
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	5.32	1.20
23 09 43 00-0028		Copper Pneumatic Tubing *(23 09 43 00-0001)*		
23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	5.65	2.19
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	6.89	2.52
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	7.99	2.90
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	9.89	3.34
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	11.24	3.84
23 09 43 00-0034		Brass Couplings *(23 09 43 00-0001)*		
23 09 43 00-0035		Straight Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	11.92	5.53
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	12.06	5.53
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	12.20	5.53
23 09 43 00-0039		Elbow Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	12.70	5.53
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	13.17	5.53
23 09 43 00-0042		Tee Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	19.38	8.61
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	22.31	9.22
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	21.81	9.22

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*		
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.49	2.16
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	7.14	2.34
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.54	2.53
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	10.74	2.67
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	12.65	2.81
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.15	2.92
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	25.90	3.11
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.02	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.02	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.24	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.24	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.88	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.64	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.64	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.30	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	168.27	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	271.95	

23 11 23 00-0022 Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.06	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.24	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.24	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.88	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.88	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.28	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	52.28	

23 11 23 00-0030 Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.45	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.14	

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.47	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.97	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.59	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	82.26	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	153.36	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	298.60	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	495.28	

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.38	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	91.85	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.00	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	248.84	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	267.51	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	307.03	

23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.29	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.56	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.94	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	56.21	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	57.02	

23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.03	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.15	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	49.56	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	58.34	
23 11 23 00-0060		**Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.87	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	66.51	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.73	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	110.07	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	114.25	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	164.19	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	203.89	
23 11 23 00-0068		**Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	68.50	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.08	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	77.21	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	138.66	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	143.07	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	196.33	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	247.42	
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.56	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.70	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	64.58	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	99.05	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	191.73	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	304.80	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.14	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	37.21	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.18	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	34.29	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.76	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.98	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.32	22.64
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	108.73	23.76
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	69.25	19.81
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	80.59	23.54
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.86	28.30
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	123.78	37.80
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	85.02	23.54
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	96.54	28.30
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	91.00	23.54
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	100.42	28.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	192.19	70.73
23 11 23 00-0105		Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	89.85	23.54
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	89.85	23.54
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	125.63	23.54
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.05	28.30
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	135.05	28.30
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	153.92	37.80
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	229.63	42.44
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	119.30	23.54
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	297.06	28.30
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	721.35	42.44
23 11 23 00-0116		Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft) *(23 11 23)*		
23 11 23 00-0117		3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	47.90	16.98
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	52.38	18.10
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	56.68	18.10
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	59.43	19.24
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	62.90	19.24
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	70.59	20.37
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	77.57	20.37
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	84.48	21.50
23 11 23 00-0126		3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	47.90	16.98
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	52.38	18.10
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	56.68	18.10
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	59.43	19.24
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	62.90	19.24
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	70.59	20.37
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	77.57	20.37
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	84.48	21.50
23 11 23 00-0135		3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	47.90	16.98
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	52.38	18.10
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	56.68	18.10
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	59.43	19.24
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	62.90	19.24
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	70.59	20.37
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	77.57	20.37
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	84.48	21.50

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23 11 23 00-0144			3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
	23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	47.90	16.98
	23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	52.38	18.10
	23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	67.27	18.10
	23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	59.43	19.24
	23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	62.90	19.24
	23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	70.59	20.37
	23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	77.57	20.37
	23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	84.48	21.50
23 11 23 00-0153			3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
	23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	51.98	16.98
	23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	57.45	18.10
	23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	56.68	18.10
	23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	65.90	19.24
	23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	62.90	19.24
	23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	70.59	20.37
	23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	77.57	20.37
	23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	84.48	21.50
23 11 23 00-0162			3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
	23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	47.90	16.98
	23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	62.68	18.10
	23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	59.43	19.24
	23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	62.90	19.24
	23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	70.59	20.37
	23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	88.37	20.37
	23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	84.48	21.50
23 11 23 00-0170			3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
	23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	47.90	16.98
	23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	52.38	18.10
	23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	56.68	18.10
	23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	59.43	19.24
	23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	62.90	19.24
	23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	70.59	20.37
	23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	77.57	20.37
	23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	84.48	21.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0179		**3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	47.90	16.98
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	52.38	18.10
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	56.68	18.10
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	59.43	19.24
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	62.90	19.24
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	70.59	20.37
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	77.57	20.37
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	84.48	21.50
23 11 23 00-0188		**3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	57.45	18.10
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	56.68	18.10
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	65.90	19.24
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	70.06	19.24
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	79.68	20.37
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	47.90	16.98
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	52.38	18.10
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	52.44	18.10
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	59.43	19.24
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	57.83	19.24
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	72.13	20.37
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	77.57	20.37
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	84.48	21.50
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	47.90	16.98
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	48.92	18.10
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	50.10	18.10
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	59.43	19.24
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	62.90	19.24
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	63.97	20.37
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	77.57	20.37
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	84.48	21.50
23 11 23 00-0212		**1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	47.90	16.98
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	52.38	18.10

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23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	56.68	18.10
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	59.43	19.24
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	54.30	19.24
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	70.59	20.37
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	77.57	20.37
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	84.48	21.50
23 11 23 00-0221		3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	62.44	16.98
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	66.90	18.10
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	71.19	18.10
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	73.93	19.24
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	77.53	19.24
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	84.77	20.37
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	92.34	20.37
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	99.26	21.50
23 11 23 00-0230		3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	73.76	22.64
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	78.22	23.76
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	82.51	23.76
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	85.25	24.90
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	88.84	24.90
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	96.08	26.03
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	103.66	26.03
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	110.58	27.16
23 11 23 00-0239		3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	73.76	22.64
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	78.22	23.76
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	82.51	23.76
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	85.25	24.90
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	88.84	24.90
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	96.08	26.03
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	103.66	26.03
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	110.58	27.16
23 11 23 00-0248		3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	85.59	22.64
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	90.04	23.76
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	94.34	23.76

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23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	97.07	24.90
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	100.68	24.90
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	107.91	26.03
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	115.49	26.03
23 11 23 00-0256		3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	85.59	22.64
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	90.04	23.76
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	94.34	23.76
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	100.68	24.90
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	107.91	26.03
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	115.49	26.03
23 11 23 00-0263		1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	85.59	22.64
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	90.04	23.76
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	94.34	23.76
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	97.07	24.90
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	100.68	24.90
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	107.91	26.03
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	115.49	26.03
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	122.41	27.16
23 11 23 00-0272		1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	70.64	22.64
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	75.12	23.76
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	79.43	23.76
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	82.14	24.90
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	85.74	24.90
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	92.96	26.03
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	107.43	27.16
23 11 23 00-0280		1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*		
23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	83.53	23.76
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	88.77	23.76
23 11 23 00-0283		Quarter-Turn, Gas Ball Valve *(23 11 23)*		
23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	44.33	12.05
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	44.72	12.29
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	64.00	13.52
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	43.97	12.05
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	46.42	12.29
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	51.42	12.29
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	56.16	12.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0291	EA	5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	58.71	12.90
23 11 23 00-0292	EA	5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	58.71	12.90
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	45.87	12.05
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	48.32	12.29
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	60.06	12.90
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	48.57	12.29
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	65.44	13.52
23 11 23 00-0298	EA	3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	45.78	12.05
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	43.72	12.05
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	44.71	12.29
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	61.25	13.52
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	82.47	15.36
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	117.10	15.97
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	138.85	18.44
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	170.91	22.12
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	45.81	12.29
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	60.92	13.52

23 11 23 00-0308 Gas Stops *(23 11 23)*

23 11 23 00-0309 Brass/Bronze Gas Stops *(23 11 23 00-0308)*

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	57.41	12.29
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	57.31	12.29
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	75.11	13.52
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	106.45	15.36
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	141.94	16.35
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	179.52	18.92
23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	250.53	22.36

23 11 23 00-0317 Iron Body Gas Stops *(23 11 23 00-0308)*

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	78.35	12.29
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	95.81	13.52
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	118.93	15.36
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	154.06	16.35
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	194.75	18.92
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	253.99	22.36
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	498.02	30.22
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	670.67	35.08

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	205.87	12.29
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	240.19	12.29
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	305.62	13.52
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	459.68	15.36
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	823.76	18.92
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,405.97	22.36
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,740.83	30.22
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	2,627.35	35.08

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	23.38	8.15
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.12*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	28.03	9.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.95*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	36.93	14.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.13*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	43.46	16.52
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.17*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	50.76	18.45
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.78*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	69.18	21.58
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.23*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	92.34	25.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.90*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	211.57	32.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-36.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0011		**Fiberglass Reinforced Plastic Fittings** *(23 11 26 00-0001)*		
23 11 26 00-0012		**Fiberglass Reinforced Plastic Flanged 90 Degree Elbows** *(23 11 26 00-0011)*		
23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	177.50	81.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.27*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	209.28	97.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.52*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	250.99	113.17
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-127.23*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	306.00	127.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-140.78*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	369.89	143.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-161.00*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	533.91	178.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.26*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	688.27	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	1,564.00	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	
23 11 26 00-0021		**Fiberglass Reinforced Plastic Flanged 45 Degree Elbows** *(23 11 26 00-0011)*		
23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	177.92	81.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.27*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	209.41	97.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.52*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	251.38	113.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-127.32*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	316.39	134.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-148.54*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	369.73	143.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-161.00*	
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	533.91	178.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.26*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,184.43	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	1,564.00	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	
23 11 26 00-0030		**Fiberglass Reinforced Plastic Flanged Tees** *(23 11 26 00-0011)*		
23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	361.56	121.77
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-136.90*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	447.64	146.66
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-164.87*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	509.20	169.86
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-191.00*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	647.77	201.78
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-222.89*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	769.71	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	968.65	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	1,561.68	323.30
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-363.57*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	2,091.81	393.07
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-441.98*	
23 11 26 00-0039		**Fiberglass Reinforced Plastic Flanged Wyes** *(23 11 26 00-0011)*		
23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	482.75	121.77
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-136.90*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	620.81	146.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-164.66*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	729.50	169.86
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-190.98*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	835.36	201.78
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-222.89*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	924.60	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	1,213.61	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	1,870.65	323.30
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-363.57*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	2,428.61	393.07
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-441.98*	
23 11 26 00-0048		**Fiberglass Reinforced Plastic Flanged Concentric Reducers** *(23 11 26 00-0011)*		
23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	273.39	81.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	355.19	97.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.52*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	388.79	113.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-127.32*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	451.17	134.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-148.54*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	501.82	143.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-161.00*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	668.60	178.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.26*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	855.98	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	1,172.62	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	219.24	81.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.27*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	251.75	97.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.52*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	285.46	113.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-127.32*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	349.95	134.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-148.54*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	402.78	143.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-161.00*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	395.71	178.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.26*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	506.19	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	798.69	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	

23 11 26 00-0066 Fiberglass Reinforced Plastic Nipples *(23 11 26 00-0011)*

23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	41.53	9.74
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-10.95*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	82.99	19.46
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-21.85*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	140.10	14.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.81*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	161.75	20.08
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-22.57*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	151.13	14.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-16.10*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	181.80	21.47
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.14*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	225.95	24.05
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-26.57*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	270.08	25.76
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-29.01*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	142.03	30.06
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-33.81*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	193.61	42.94
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-48.26*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	239.42	30.59
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-34.37*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	359.36	45.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-51.47*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	279.75	31.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-35.45*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	365.82	47.23
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-53.17*	

23 11 26 00-0081 Fiberglass Reinforced Plastic Sleeve Couplings *(23 11 26 00-0011)*

23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	146.43	81.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.27*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	176.15	97.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.52*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	203.67	113.28
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-127.32*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	244.93	134.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-148.54*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	274.51	143.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-161.00*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	356.11	178.93
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-201.26*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	456.82	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	558.32	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0090		**Fiberglass Reinforced Plastic Flanges** *(23 11 26 00-0011)*		
23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	149.52	81.14
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-91.27*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	180.24	97.44
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-109.52*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	207.00	107.23
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-120.54*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	249.89	127.63
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-140.88*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	292.47	143.19
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-161.00*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	362.60	171.31
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-192.66*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	484.75	215.54
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-242.38*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	670.03	267.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-300.55*	
23 11 26 00-0099		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings** *(23 11 26)*		
23 11 26 00-0100		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing** *(23 11 26 00-0099)*		
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	129.87	34.97
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	154.79	41.42
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	198.21	61.11
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	277.97	79.22
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	393.09	92.31
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	535.76	109.49
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	684.53	138.14
23 11 26 00-0108		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings** *(23 11 26 00-0099)*		
23 11 26 00-0109		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows** *(23 11 26 00-0108)*		
23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,292.30	432.75
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,641.44	519.44
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,300.66	603.64
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,715.49	763.50
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	9,251.75	954.55
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	12,473.30	1,148.40
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	16,653.92	1,422.11
23 11 26 00-0117		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows** *(23 11 26 00-0108)*		
23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,295.88	432.75
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,635.17	519.44
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,295.74	603.64
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,686.52	763.50
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	9,209.81	954.55
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	12,416.44	1,148.95
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	16,580.89	1,425.34
23 11 26 00-0125		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees** *(23 11 26 00-0108)*		
23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,196.24	649.14
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,001.56	782.34
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,518.74	905.92
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	7,267.80	1,149.48
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	9,188.65	1,425.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	15,953.69	1,722.23
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	21,786.78	2,088.15
23 11 26 00-0133		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes** *(23 11 26 00-0108)*		
23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	4,700.94	649.14
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	6,153.76	781.43
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,254.45	905.92
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	9,191.10	1,149.48
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	12,230.26	1,425.34
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	19,790.13	1,722.23
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	25,968.73	2,088.15
23 11 26 00-0141		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers** *(23 11 26 00-0108)*		
23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,532.42	432.75
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,375.76	519.44
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,624.67	603.64
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	4,710.13	763.50
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	6,401.03	954.55
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	8,337.48	1,148.40
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	11,716.40	1,422.11
23 11 26 00-0149		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,859.94	432.75
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,091.50	519.44
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,341.65	603.64
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,480.37	763.50
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,012.66	954.55
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,994.26	1,148.40
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	7,073.50	1,422.11
23 11 26 00-0157		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples** *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	412.26	51.95
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	824.12	103.66
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,580.87	79.67
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,795.19	107.02
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,724.47	76.32
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,029.36	114.53
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,079.48	137.61
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,444.21	160.37
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,948.27	228.95
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	2,648.16	162.94
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,975.92	244.08
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	3,138.76	168.09
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	4,040.14	252.13
23 11 26 00-0171		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges** *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,431.77	571.68
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,110.65	763.50
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,682.85	913.88
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	3,728.02	1,148.40
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	5,475.93	1,422.11

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 12 13 00-0001		Cast Iron Internal Gear Rotary Pump *(23 12 13)* Note: Heavy-duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002		10 GPM 1" Discharge *(23 12 13 00-0001)*		
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	1,539.70	328.36
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	1,619.95	397.42
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,776.81	472.16
23 12 13 00-0006		25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,670.34	328.36
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,760.82	397.42
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,851.10	472.16
23 12 13 00-0010		Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	1,162.02	183.99
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	1,363.77	206.08
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	1,492.43	230.98
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	1,630.15	260.42
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	2,274.89	289.86
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	2,775.21	324.39
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	3,076.43	363.46
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	3,742.37	406.48
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	4,405.88	455.74
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	4,933.21	511.22
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	5,530.93	573.04
23 12 23		**Facility Natural-Gas Pumps** *(23 12)*		
23 12 23 00-0001		Natural Gas Booster Pump *(23 12 23)*		
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	1,254.15	169.84
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	1,488.67	189.65
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,670.53	198.15
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,897.35	206.64
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	2,148.54	212.30
23 13		**Facility Fuel-Storage Tanks** *(23 10)*		
23 13 13		**Facility Underground Fuel-Oil, Storage Tanks** *(23 13)*		
23 13 13 13		**Double-Wall Steel, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 13-0001		Coated Underground Double Wall Storage Tanks *(23 13 13 13)* Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,547.21	773.68
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	18,965.26	773.68
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,423.24	967.04
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	37,490.70	1,888.85
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	59,762.52	2,428.38
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	66,567.58	2,789.08
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	71,780.35	3,687.74
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,209.86	3,959.43
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	90,589.17	4,677.56
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	104,917.51	5,395.22
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	134,325.69	5,933.08
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	159,220.34	7,203.71
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	164,439.98	7,645.00
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	201,447.83	12,126.56
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	247,475.04	15,725.17
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	291,644.77	17,992.46
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	375,539.71	19,341.90
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	509,501.24	19,837.90
23 13 13 23		**Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks** *(23 13 13)*		
23 13 13 23-0001		Underground Fiberglass Storage Tanks *(23 13 13 23)*		
23 13 13 23-0002		Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)* Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,654.95	773.68
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,848.08	967.04
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,603.61	1,196.50
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	8,620.53	1,457.38
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,634.15	1,709.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	11,695.72	2,249.06
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	13,833.97	3,418.56
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	15,581.18	4,318.20
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,740.16	4,857.97
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	21,048.74	5,757.59
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	27,209.35	6,837.14
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	33,419.96	8,546.43
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	42,110.38	11,425.22
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	63,319.24	14,214.05
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	77,686.76	17,092.84
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	110,806.37	24,739.64
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	158,317.20	31,486.82

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	9,074.88	773.68
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,968.24	967.04
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	14,348.31	1,169.51
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	18,628.89	1,709.41
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	20,877.85	2,249.06
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	23,928.07	3,418.56
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	26,574.75	4,318.20
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	32,731.99	4,857.97
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	35,040.56	5,757.59
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	42,450.45	6,837.14
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	58,467.82	8,546.43
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	72,342.71	11,425.22
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	111,916.76	17,092.84

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	3,288.36
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	3,288.36
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	657.67
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	1,315.34
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	1,644.18

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Vertical Rectangular Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,193.92	147.54
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,281.64	154.92
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,390.94	165.98
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,596.24	177.05
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,778.26	184.42
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,096.88	221.31
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,816.65	258.19
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,560.42	295.07
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,561.34	331.95
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,083.96	368.85
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,820.64	442.61
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,523.03	516.38
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,245.99	590.15
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,037.76	627.03
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,834.68	663.92
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,739.60	700.80
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,531.38	737.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,737.29	885.22
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,660.82	958.99
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,902.74	1,106.53
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,149.80	1,254.07
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,444.21	147.54
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,533.64	154.92
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,642.94	165.98
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,846.53	177.05
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,028.55	184.42
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,348.89	221.31
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,092.66	258.19
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,836.43	295.07
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,837.35	331.95
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,359.97	368.85
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,096.64	442.61
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,799.03	516.38
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,522.00	590.15
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,313.77	627.03
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,110.69	663.92
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,017.32	700.80
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,809.10	737.68
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,013.29	885.22
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,936.82	958.99
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,178.74	1,106.53
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,425.81	1,254.07
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,392.23	147.54
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,471.38	154.92
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,542.96	165.98
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,815.12	177.05
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,918.28	184.42
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,226.62	221.31
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,882.96	258.19
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,897.59	295.07
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,507.64	331.95
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,192.58	368.85
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,131.54	442.61
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,700.22	516.38
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,471.18	590.15
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,226.95	627.03
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,222.73	663.92
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,639.07	700.80
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,012.55	737.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,744.76	885.22
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,417.44	958.99
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,252.52	1,106.53
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,116.74	1,254.07
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,523.68	147.54
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,602.83	154.92
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,674.41	165.98
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,946.57	177.05
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,049.73	184.42
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,358.07	221.31
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,014.41	258.19
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,029.04	295.07
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,714.53	331.95
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,929.73	368.85
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,868.70	442.61
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,439.09	516.38
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,208.34	590.15
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,965.82	627.03
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,959.89	663.92
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,376.22	700.80
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,749.71	737.68
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,481.92	885.22
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,156.32	958.99
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,989.68	1,106.53
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,853.89	1,254.07
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,156.26	147.54
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,243.98	154.92
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,317.28	165.98
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,598.01	177.05
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,749.17	184.42
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,030.09	221.31
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,712.14	258.19
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,774.77	295.07
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,407.11	331.95
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,157.19	368.85
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,144.15	442.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,659.68	516.38
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,533.51	590.15
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,446.99	627.03
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,365.63	663.92
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,831.68	700.80
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,179.45	737.68
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,988.80	885.22
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,742.06	958.99
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,657.71	1,106.53
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,599.07	1,254.07
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,287.72	147.54
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,375.44	154.92
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,448.73	165.98
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,729.46	177.05
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,880.62	184.42
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,158.11	221.31
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,843.59	258.19
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,906.22	295.07
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,538.56	331.95
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,894.34	368.85
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,881.31	442.61
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,568.27	516.38
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,270.66	590.15
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,184.15	627.03
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,102.79	663.92
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,568.84	700.80
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,918.33	737.68
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,725.96	885.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,479.22	958.99
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,394.87	1,106.53
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,336.23	1,254.07
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,182.74	147.54
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,281.02	154.92
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,389.98	165.98
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,587.19	177.05
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,104.11	184.42
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,165.59	221.31
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,720.38	258.19
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,363.41	295.07
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,411.51	331.95
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,536.54	368.85
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,646.12	442.61
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,146.97	516.38
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,650.09	590.15
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,397.22	627.03
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,146.62	663.92
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,798.73	700.80
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,457.60	737.68
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,839.46	885.22
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,139.11	958.99
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,597.93	1,106.53
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,006.96	1,254.07
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,247.08	154.92
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,356.29	165.98
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,470.27	177.05
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,671.27	184.42
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,265.41	221.31
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,326.88	258.19
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,909.07	295.07
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,584.42	331.95
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,687.33	368.85
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,871.46	405.73
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	7,035.84	479.49
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,557.69	553.26
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	8,081.92	627.03
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,867.15	663.92
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,654.76	700.80
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,339.69	737.68
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	11,093.22	811.46
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,538.19	958.99
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	14,026.17	1,106.53
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,552.37	1,254.07
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	17,026.02	1,401.60
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,361.51	147.54
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,482.42	154.92
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,604.95	165.98
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,847.42	177.05
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,461.65	184.42
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,523.13	221.31
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,159.38	258.19
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,908.77	295.07
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,141.81	331.95
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,523.17	368.85
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,834.14	442.61
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,405.15	516.38
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,980.68	590.15
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,870.37	627.03
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,762.33	663.92
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,520.78	700.80
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,297.34	737.68
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	13,916.81	885.22
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,456.32	958.99
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,152.74	1,106.53
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,799.38	1,254.07
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,435.78	154.92
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,568.87	165.98
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,697.19	177.05
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,945.96	184.42
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,642.82	221.31
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,704.29	258.19
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,372.46	295.07
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,160.08	331.95
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,458.20	368.85
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,912.89	405.73

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,289.87	479.49
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,885.77	553.26
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,486.43	627.03
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,422.14	663.92
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,360.24	700.80
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	12,157.41	737.68
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	13,035.17	811.46
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,730.94	958.99
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,472.11	1,106.53
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	18,249.12	1,254.07
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,973.57	1,401.60

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,340.57	801.86
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,419.93	970.67
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,631.82	1,316.08
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	11,163.52	1,645.10
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,378.64	2,210.56
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	20,268.57	2,275.57
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	29,511.67	2,813.42
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	40,584.25	3,223.65
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	48,400.32	3,516.68
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	56,203.22	3,868.38
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	62,215.89	4,298.16
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	77,699.16	5,526.20
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	106,238.86	6,447.30

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,486.98	1,000.55
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,197.83	1,210.79
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	13,537.63	1,645.10
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	17,762.97	2,056.38
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,817.92	2,763.17
23 13 23 16-0021	EA	2,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	27,648.93	2,763.17
		For 1/4" Thick Shell, Add	*6,635.74*	
		For Fireguard® Tanks, Add	*4,044.88*	
23 13 23 16-0022	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	32,593.33	2,844.37
23 13 23 16-0023	EA	4,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	40,164.35	3,174.23
		For 1/4" Thick Shell, Add	*9,639.44*	
		For Fireguard® Tanks, Add	*6,074.98*	
23 13 23 16-0024	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	47,735.24	3,503.97
23 13 23 16-0025	EA	6,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	53,302.29	3,641.67
		For 1/4" Thick Shell, Add	*12,792.55*	
		For Fireguard® Tanks, Add	*8,197.40*	
23 13 23 16-0026	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	66,051.95	4,029.59
23 13 23 16-0027	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	78,967.00	4,395.92
23 13 23 16-0028	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	91,825.26	4,835.42
23 13 23 16-0029	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	101,639.34	5,372.79
23 13 23 16-0030	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	126,839.85	6,907.78
23 13 23 16-0031	EA	25,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	150,463.09	7,483.43
		For Fireguard® Tanks, Add	*23,803.58*	
23 13 23 16-0032	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	174,086.34	8,059.07

23 13 23 16-0033 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks *(23 13 23 16)*

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23 16-0034	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	16,547.63	1,210.79
23 13 23 16-0035	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	17,453.30	1,357.20
23 13 23 16-0036	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	19,604.91	1,645.10
23 13 23 16-0037	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank	23,451.65	2,056.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 16-0038	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank Note: Includes 2" solenoid valve.	30,004.64	2,763.17

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	5,771.08	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	6,972.97	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	15,240.70	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	16,680.95	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	23,709.86	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	26,563.51	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	35,069.58	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	41,152.97	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	46,759.48	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	56,935.24	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	72,892.27	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	32,007.26	1,673.18
		For Low Profile Tanks, Add	*11,869.04*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	40,330.18	1,888.85
		For Low Profile Tanks, Add	*15,077.82*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	71,648.87	2,249.06
		For Low Profile Tanks, Add	*27,404.26*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	113,402.09	4,946.85
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	129,581.07	5,402.78
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	145,855.58	5,834.59
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	162,105.57	6,331.31
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	178,347.77	6,739.38

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	788.79	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,487.84	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	4,805.44	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	3,935.07	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	167.84	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	485.08	
23 13 33 00-0008	EA	Manhole Spill Containment	1,277.43	286.75
23 13 33 00-0009	EA	Fill Adapter, 4"	376.06	191.21
23 13 33 00-0010	EA	Fill Cap, 4"	257.18	71.69
23 13 33 00-0011	EA	2" Vent Cap	153.37	47.83
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	541.21	71.69
23 13 33 00-0013	EA	Float Vent Valve	433.67	143.38
23 13 33 00-0014	EA	Vapor Hose Adapter	511.69	95.55
23 13 33 00-0015	EA	Dust Cap	218.07	52.19
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	492.18	81.90
23 13 33 00-0017	EA	10' Wood Gage Stick	44.32	
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	192.02	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	262.21	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	85.67	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	114.95	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	179.34	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	1,193.11	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,956.59	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	2,316.85	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	2,523.92	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	2,765.61	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	3,973.14	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	4,912.58	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	5,437.93	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	6,691.01	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	7,925.66	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	8,871.70	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	10,250.00	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0037		**Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	48.06	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	53.69	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	59.00	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	70.98	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	73.43	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	95.72	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	149.99	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	260.05	
23 13 33 00-0046		**Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	55.56	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	61.15	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	66.78	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	83.05	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	88.66	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	109.53	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	168.40	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	286.19	
23 13 33 00-0055		**Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	57.26	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	66.06	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	74.55	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	96.13	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	125.04	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	193.41	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	301.73	
23 13 33 00-0063		**Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	66.77	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	78.70	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	96.67	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	117.54	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	119.99	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	170.74	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	303.77	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	540.30	
23 13 33 00-0072		**Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	59.14	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	75.89	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	78.35	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	80.80	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	111.81	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	140.88	
23 13 33 00-0079		**TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection** *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	246.71	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	282.01	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	346.43	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	399.31	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	459.99	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	579.09	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	751.94	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	830.70	
23 13 33 00-0088		**Self-Aligning Bulkhead Fittings** *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	253.23	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	253.76	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	369.68	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	377.53	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	508.48	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings,

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which exclude the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

See CSI section 22 11 16 00-0000 for additional galvanized or copper piping, 40 05 23 23-0000 for stainless steel pipe and fittings.

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	21.57	4.53
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*4.68*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.27*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	23.59	4.86
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*4.89*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*5.88*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	26.12	5.32
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*5.16*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*6.65*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	31.17	5.55
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*5.56*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.25*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	33.17	6.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*5.64*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*8.93*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	39.47	7.92
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*6.36*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*10.82*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	56.23	9.39
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*7.88*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*16.04*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	71.42	12.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*9.66*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*20.56*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	97.03	14.27
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*10.31*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*29.43*	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	144.38	18.24
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*12.29*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*45.42*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 Lb. Malleable Iron Fitting Assembly	174.64	21.58
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*13.92*	
		For Schedule 80 Pipe With 300 Lb. Malleable Iron Fittings, Add	*55.45*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.05	2.83
		For Work In Restricted Working Space, Add	*1.72*	
		For Schedule 80 Pipe, Add	*1.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.75	4.53
		For Work In Restricted Working Space, Add	*2.06*	
		For Schedule 80 Pipe, Add	*2.44*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.34	4.86
		For Work In Restricted Working Space, Add	*2.19*	
		For Schedule 80 Pipe, Add	*3.00*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	14.62	5.32
		For Work In Restricted Working Space, Add	*2.37*	
		For Schedule 80 Pipe, Add	*3.81*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	17.36	5.55
		For Work In Restricted Working Space, Add	*2.51*	
		For Schedule 80 Pipe, Add	*4.88*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	20.59	6.57
		For Work In Restricted Working Space, Add	*2.95*	
		For Schedule 80 Pipe, Add	*5.82*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	25.99	7.92
		For Work In Restricted Working Space, Add	*3.57*	
		For Schedule 80 Pipe, Add	*7.53*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	36.39	9.39
		For Work In Restricted Working Space, Add	*4.25*	
		For Schedule 80 Pipe, Add	*11.42*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	47.99	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Pipe, Add	*14.99*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	65.00	14.27
		For Work In Restricted Working Space, Add	*6.44*	
		For Schedule 80 Pipe, Add	*21.74*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	85.16	18.24
		For Work In Restricted Working Space, Add	*8.20*	
		For Schedule 80 Pipe, Add	*28.76*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	108.59	21.58
		For Work In Restricted Working Space, Add	*9.69*	
		For Schedule 80 Pipe, Add	*37.56*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	152.19	26.08
		For Work In Restricted Working Space, Add	*11.71*	
		For Schedule 80 Pipe, Add	*54.82*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	207.85	31.77
		For Work In Restricted Working Space, Add	*14.31*	
		For Schedule 80 Pipe, Add	*76.84*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	277.94	41.76
		For Work In Restricted Working Space, Add	*18.78*	
		For Schedule 80 Pipe, Add	*103.16*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 Lb., Black Malleable Iron 90 Degree Elbow	29.51	16.75
		For Work In Restricted Working Space, Add	*7.55*	
		For 300 Lb. Rating, Add	*11.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
23 21 13 23-0033	EA	1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	33.20	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For 300 Lb. Rating, Add	*9.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
23 21 13 23-0034	EA	3/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	37.42	22.53
		For Work In Restricted Working Space, Add	*10.13*	
		For 300 Lb. Rating, Add	*10.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
23 21 13 23-0035	EA	1", 150 Lb., Black Malleable Iron 90 Degree Elbow	44.04	25.12
		For Work In Restricted Working Space, Add	*11.32*	
		For 300 Lb. Rating, Add	*17.43*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
23 21 13 23-0036	EA	1-1/4", 150 Lb., Black Malleable Iron 90 Degree Elbow	53.13	28.52
		For Work In Restricted Working Space, Add	*12.81*	
		For 300 Lb. Rating, Add	*27.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
23 21 13 23-0037	EA	1-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	61.87	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For 300 Lb. Rating, Add	*35.82*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
23 21 13 23-0038	EA	2", 150 Lb., Black Malleable Iron 90 Degree Elbow	84.84	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For 300 Lb. Rating, Add	*60.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
23 21 13 23-0039	EA	2-1/2", 150 Lb., Black Malleable Iron 90 Degree Elbow	143.26	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For 300 Lb. Rating, Add	*131.98*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
23 21 13 23-0040	EA	3", 150 Lb., Black Malleable Iron 90 Degree Elbow	196.28	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For 300 Lb. Rating, Add	*192.33*	
		For Standard Weight Cast Iron Fittings, Add	*1.23*	
23 21 13 23-0041	EA	4", 150 Lb., Black Malleable Iron 90 Degree Elbow	290.96	83.50
		For Work In Restricted Working Space, Add	*37.57*	
		For 300 Lb. Rating, Add	*405.27*	
		For Standard Weight Cast Iron Fittings, Add	*2.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0042	EA	5", 150 Lb., Black Malleable Iron 90 Degree Elbow	614.94	87.16
		For Work In Restricted Working Space, Add	*39.20*	
		For 300 Lb. Rating, Add	*1,170.09*	
		For Standard Weight Cast Iron Fittings, Add	*7.75*	
23 21 13 23-0043	EA	6", 150 Lb., Black Malleable Iron 90 Degree Elbow	696.01	91.13
		For Work In Restricted Working Space, Add	*40.98*	
		For 300 Lb. Rating, Add	*1,350.76*	
		For Standard Weight Cast Iron Fittings, Add	*8.95*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	33.41	18.45
		For Work In Restricted Working Space, Add	*8.30*	
		For 300 Lb. Rating, Add	*15.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	37.90	21.28
		For Work In Restricted Working Space, Add	*9.59*	
		For 300 Lb. Rating, Add	*16.13*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	37.74	19.70
		For Work In Restricted Working Space, Add	*8.84*	
		For 300 Lb. Rating, Add	*21.62*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
23 21 13 23-0048	EA	1" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	43.35	23.87
		For Work In Restricted Working Space, Add	*10.73*	
		For 300 Lb. Rating, Add	*20.39*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
23 21 13 23-0049	EA	1" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	42.15	22.64
		For Work In Restricted Working Space, Add	*10.19*	
		For 300 Lb. Rating, Add	*21.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
23 21 13 23-0050	EA	1" x 3/8", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	47.59	20.93
		For Work In Restricted Working Space, Add	*9.43*	
		For 300 Lb. Rating, Add	*40.65*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	52.98	26.82
		For Work In Restricted Working Space, Add	*12.06*	
		For 300 Lb. Rating, Add	*33.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	52.50	25.47
		For Work In Restricted Working Space, Add	*11.47*	
		For 300 Lb. Rating, Add	*36.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.23*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	53.10	24.33
		For Work In Restricted Working Space, Add	*10.93*	
		For 300 Lb. Rating, Add	*42.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	63.44	30.33
		For Work In Restricted Working Space, Add	*13.63*	
		For 300 Lb. Rating, Add	*45.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	60.96	28.63
		For Work In Restricted Working Space, Add	*12.88*	
		For 300 Lb. Rating, Add	*45.82*	
		For Standard Weight Cast Iron Fittings, Add	*0.29*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	61.59	27.28
		For Work In Restricted Working Space, Add	*12.29*	
		For 300 Lb. Rating, Add	*51.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.33*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	80.77	36.44
		For Work In Restricted Working Space, Add	*16.40*	
		For 300 Lb. Rating, Add	*65.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
23 21 13 23-0058	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	81.61	34.63
		For Work In Restricted Working Space, Add	*15.58*	
		For 300 Lb. Rating, Add	*74.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
23 21 13 23-0059	EA	2" x 1", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	79.12	32.93
		For Work In Restricted Working Space, Add	*14.83*	
		For 300 Lb. Rating, Add	*74.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
23 21 13 23-0060	EA	2" x 3/4", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	78.95	31.69
		For Work In Restricted Working Space, Add	*14.24*	
		For 300 Lb. Rating, Add	*78.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.50*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	147.52	50.59
		For Work In Restricted Working Space, Add	*22.76*	
		For 300 Lb. Rating, Add	*176.56*	
		For Standard Weight Cast Iron Fittings, Add	*1.15*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	145.24	46.29
		For Work In Restricted Working Space, Add	*20.81*	
		For 300 Lb. Rating, Add	*186.30*	
		For Standard Weight Cast Iron Fittings, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0063	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	238.95	69.94
		For Work In Restricted Working Space, Add	*31.45*	
		For 300 Lb. Rating, Add	*328.20*	
		For Standard Weight Cast Iron Fittings, Add	*2.15*	
23 21 13 23-0064	EA	3" x 2", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	206.01	60.09
		For Work In Restricted Working Space, Add	*27.05*	
		For 300 Lb. Rating, Add	*283.47*	
		For Standard Weight Cast Iron Fittings, Add	*1.85*	
23 21 13 23-0065	EA	4" x 3", 150 Lb., Black Malleable Iron Reducing 90 Degree Elbow	348.34	79.43
		For Work In Restricted Working Space, Add	*35.73*	
		For 300 Lb. Rating, Add	*557.30*	
		For Standard Weight Cast Iron Fittings, Add	*3.67*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 Lb., Black Malleable Iron 45 Degree Elbow	31.71	16.75
		For Work In Restricted Working Space, Add	*7.55*	
		For 300 Lb. Rating, Add	*17.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
23 21 13 23-0068	EA	1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	35.17	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For 300 Lb. Rating, Add	*13.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
23 21 13 23-0069	EA	3/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	39.95	22.53
		For Work In Restricted Working Space, Add	*10.13*	
		For 300 Lb. Rating, Add	*16.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
23 21 13 23-0070	EA	1", 150 Lb., Black Malleable Iron 45 Degree Elbow	45.48	25.12
		For Work In Restricted Working Space, Add	*11.32*	
		For 300 Lb. Rating, Add	*20.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
23 21 13 23-0071	EA	1-1/4", 150 Lb., Black Malleable Iron 45 Degree Elbow	56.44	28.52
		For Work In Restricted Working Space, Add	*12.81*	
		For 300 Lb. Rating, Add	*35.54*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
23 21 13 23-0072	EA	1-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	65.14	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For 300 Lb. Rating, Add	*43.67*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
23 21 13 23-0073	EA	2", 150 Lb., Black Malleable Iron 45 Degree Elbow	86.87	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For 300 Lb. Rating, Add	*65.35*	
		For Standard Weight Cast Iron Fittings, Add	*0.41*	
23 21 13 23-0074	EA	2-1/2", 150 Lb., Black Malleable Iron 45 Degree Elbow	164.88	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For 300 Lb. Rating, Add	*183.87*	
		For Standard Weight Cast Iron Fittings, Add	*1.19*	
23 21 13 23-0075	EA	3", 150 Lb., Black Malleable Iron 45 Degree Elbow	215.69	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For 300 Lb. Rating, Add	*238.92*	
		For Standard Weight Cast Iron Fittings, Add	*1.55*	
23 21 13 23-0076	EA	4", 150 Lb., Black Malleable Iron 45 Degree Elbow	314.61	83.50
		For Work In Restricted Working Space, Add	*37.57*	
		For 300 Lb. Rating, Add	*462.03*	
		For Standard Weight Cast Iron Fittings, Add	*3.03*	
23 21 13 23-0077	EA	5", 150 Lb., Black Malleable Iron 45 Degree Elbow	878.71	87.16
		For Work In Restricted Working Space, Add	*39.20*	
		For 300 Lb. Rating, Add	*1,803.14*	
		For Standard Weight Cast Iron Fittings, Add	*11.97*	
23 21 13 23-0078	EA	6", 150 Lb., Black Malleable Iron 45 Degree Elbow	901.94	91.13
		For Work In Restricted Working Space, Add	*40.98*	
		For 300 Lb. Rating, Add	*1,844.99*	
		For Standard Weight Cast Iron Fittings, Add	*12.25*	

23 21 13 23-0079 Black Malleable Iron Tees *(23 21 13 23-0014)*

23 21 13 23-0080	EA	3/8", 150 Lb., Black Malleable Iron Tee	37.76	20.71
		For Work In Restricted Working Space, Add	*9.43*	
		For 300 Lb. Rating, Add	*17.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
23 21 13 23-0081	EA	1/2", 150 Lb., Black Malleable Iron Tee	41.76	25.12
		For Work In Restricted Working Space, Add	*11.32*	
		For 300 Lb. Rating, Add	*11.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
23 21 13 23-0082	EA	3/4", 150 Lb., Black Malleable Iron Tee	49.32	29.08
		For Work In Restricted Working Space, Add	*13.06*	
		For 300 Lb. Rating, Add	*16.51*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
23 21 13 23-0083	EA	1", 150 Lb., Black Malleable Iron Tee	61.36	34.29
		For Work In Restricted Working Space, Add	*15.43*	
		For 300 Lb. Rating, Add	*26.89*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0084	EA	1-1/4", 150 Lb., Black Malleable Iron Tee	77.24	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For 300 Lb. Rating, Add	*42.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
23 21 13 23-0085	EA	1-1/2", 150 Lb., Black Malleable Iron Tee	92.99	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For 300 Lb. Rating, Add	*52.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
23 21 13 23-0086	EA	2", 150 Lb., Black Malleable Iron Tee	124.59	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For 300 Lb. Rating, Add	*87.18*	
		For Standard Weight Cast Iron Fittings, Add	*0.54*	
23 21 13 23-0087	EA	2-1/2", 150 Lb., Black Malleable Iron Tee	192.54	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For 300 Lb. Rating, Add	*183.36*	
		For Standard Weight Cast Iron Fittings, Add	*1.17*	
23 21 13 23-0088	EA	3", 150 Lb., Black Malleable Iron Tee	249.62	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For 300 Lb. Rating, Add	*268.05*	
		For Standard Weight Cast Iron Fittings, Add	*1.73*	
23 21 13 23-0089	EA	4", 150 Lb., Black Malleable Iron Tee	419.57	105.52
		For Work In Restricted Working Space, Add	*47.45*	
		For 300 Lb. Rating, Add	*636.83*	
		For Standard Weight Cast Iron Fittings, Add	*4.18*	
23 21 13 23-0090	EA	5", 150 Lb., Black Malleable Iron Tee	979.96	125.26
		For Work In Restricted Working Space, Add	*56.35*	
		For 300 Lb. Rating, Add	*1,912.36*	
		For Standard Weight Cast Iron Fittings, Add	*12.67*	
23 21 13 23-0091	EA	6", 150 Lb., Black Malleable Iron Tee	1,064.75	143.19
		For Work In Restricted Working Space, Add	*64.40*	
		For 300 Lb. Rating, Add	*2,053.07*	
		For Standard Weight Cast Iron Fittings, Add	*13.60*	

23 21 13 23-0092 Black Malleable Iron Reducing Tees *(23 21 13 23-0014)*

23 21 13 23-0093	EA	1/2", 150 Lb., Black Malleable Iron Reducing Tee	44.59	25.12
		For Work In Restricted Working Space, Add	*11.32*	
		For 300 Lb. Rating, Add	*18.75*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
23 21 13 23-0094	EA	3/4", 150 Lb., Black Malleable Iron Reducing Tee	52.49	29.08
		For Work In Restricted Working Space, Add	*13.06*	
		For 300 Lb. Rating, Add	*24.12*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
23 21 13 23-0095	EA	1", 150 Lb., Black Malleable Iron Reducing Tee	62.74	34.29
		For Work In Restricted Working Space, Add	*15.43*	
		For 300 Lb. Rating, Add	*30.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
23 21 13 23-0096	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Tee	83.39	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For 300 Lb. Rating, Add	*57.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
23 21 13 23-0097	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Tee	97.63	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For 300 Lb. Rating, Add	*63.47*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
23 21 13 23-0098	EA	2", 150 Lb., Black Malleable Iron Reducing Tee	126.27	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For 300 Lb. Rating, Add	*91.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.57*	
23 21 13 23-0099	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Tee	230.49	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For 300 Lb. Rating, Add	*274.44*	
		For Standard Weight Cast Iron Fittings, Add	*1.78*	
23 21 13 23-0100	EA	3", 150 Lb., Black Malleable Iron Reducing Tee	269.03	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For 300 Lb. Rating, Add	*314.63*	
		For Standard Weight Cast Iron Fittings, Add	*2.04*	
23 21 13 23-0101	EA	4", 150 Lb., Black Malleable Iron Reducing Tee	467.55	105.52
		For Work In Restricted Working Space, Add	*47.45*	
		For 300 Lb. Rating, Add	*751.98*	
		For Standard Weight Cast Iron Fittings, Add	*4.95*	
23 21 13 23-0102	EA	5", 150 Lb., Black Malleable Iron Reducing Tee	905.41	125.26
		For Work In Restricted Working Space, Add	*56.35*	
		For 300 Lb. Rating, Add	*1,733.44*	
		For Standard Weight Cast Iron Fittings, Add	*11.48*	
23 21 13 23-0103	EA	6", 150 Lb., Black Malleable Iron Reducing Tee	1,028.57	143.19
		For Work In Restricted Working Space, Add	*64.40*	
		For 300 Lb. Rating, Add	*1,966.24*	
		For Standard Weight Cast Iron Fittings, Add	*13.02*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0105	EA	3/8", 150 Lb., Black Malleable Iron Coupling	30.57	16.75
		For Work In Restricted Working Space, Add	*7.55*	
		For 300 Lb. Rating, Add	*14.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
23 21 13 23-0106	EA	1/2", 150 Lb., Black Malleable Iron Coupling	34.36	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For 300 Lb. Rating, Add	*11.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
23 21 13 23-0107	EA	3/4", 150 Lb., Black Malleable Iron Coupling	38.67	22.53
		For Work In Restricted Working Space, Add	*10.13*	
		For 300 Lb. Rating, Add	*13.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
23 21 13 23-0108	EA	1", 150 Lb., Black Malleable Iron Coupling	45.04	25.12
		For Work In Restricted Working Space, Add	*11.32*	
		For 300 Lb. Rating, Add	*19.83*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
23 21 13 23-0109	EA	1-1/4", 150 Lb., Black Malleable Iron Coupling	52.18	28.52
		For Work In Restricted Working Space, Add	*12.81*	
		For 300 Lb. Rating, Add	*25.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
23 21 13 23-0110	EA	1-1/2", 150 Lb., Black Malleable Iron Coupling	60.96	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For 300 Lb. Rating, Add	*33.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
23 21 13 23-0111	EA	2", 150 Lb., Black Malleable Iron Coupling	80.16	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For 300 Lb. Rating, Add	*49.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
23 21 13 23-0112	EA	2-1/2", 150 Lb., Black Malleable Iron Coupling	142.92	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For 300 Lb. Rating, Add	*131.17*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
23 21 13 23-0113	EA	3", 150 Lb., Black Malleable Iron Coupling	189.95	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For 300 Lb. Rating, Add	*177.14*	
		For Standard Weight Cast Iron Fittings, Add	*1.13*	
23 21 13 23-0114	EA	4", 150 Lb., Black Malleable Iron Coupling	267.88	83.50
		For Work In Restricted Working Space, Add	*37.57*	
		For 300 Lb. Rating, Add	*349.87*	
		For Standard Weight Cast Iron Fittings, Add	*2.28*	
23 21 13 23-0115	EA	5", 150 Lb., Black Malleable Iron Coupling	532.33	87.16
		For Work In Restricted Working Space, Add	*39.20*	
		For 300 Lb. Rating, Add	*971.82*	
		For Standard Weight Cast Iron Fittings, Add	*6.43*	
23 21 13 23-0116	EA	6", 150 Lb., Black Malleable Iron Coupling	594.20	91.13
		For Work In Restricted Working Space, Add	*40.98*	
		For 300 Lb. Rating, Add	*1,106.41*	
		For Standard Weight Cast Iron Fittings, Add	*7.32*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 Lb., Black Malleable Iron Reducing Coupling	35.36	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For 300 Lb. Rating, Add	*14.24*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
23 21 13 23-0119	EA	3/4", 150 Lb., Black Malleable Iron Reducing Coupling	39.27	22.53
		For Work In Restricted Working Space, Add	*10.13*	
		For 300 Lb. Rating, Add	*15.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
23 21 13 23-0120	EA	1", 150 Lb., Black Malleable Iron Reducing Coupling	46.26	25.12
		For Work In Restricted Working Space, Add	*11.32*	
		For 300 Lb. Rating, Add	*22.76*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
23 21 13 23-0121	EA	1-1/4", 150 Lb., Black Malleable Iron Reducing Coupling	53.69	28.52
		For Work In Restricted Working Space, Add	*12.81*	
		For 300 Lb. Rating, Add	*28.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
23 21 13 23-0122	EA	1-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	62.03	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For 300 Lb. Rating, Add	*36.20*	
		For Standard Weight Cast Iron Fittings, Add	*0.22*	
23 21 13 23-0123	EA	2", 150 Lb., Black Malleable Iron Reducing Coupling	81.29	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For 300 Lb. Rating, Add	*51.96*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
23 21 13 23-0124	EA	2-1/2", 150 Lb., Black Malleable Iron Reducing Coupling	149.99	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For 300 Lb. Rating, Add	*148.14*	
		For Standard Weight Cast Iron Fittings, Add	*0.95*	
23 21 13 23-0125	EA	3", 150 Lb., Black Malleable Iron Reducing Coupling	191.40	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For 300 Lb. Rating, Add	*180.62*	
		For Standard Weight Cast Iron Fittings, Add	*1.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0126	EA	4", 150 Lb., Black Malleable Iron Reducing Coupling	270.10	83.50
		For Work In Restricted Working Space, Add	*37.57*	
		For 300 Lb. Rating, Add	*355.20*	
		For Standard Weight Cast Iron Fittings, Add	*2.32*	
23 21 13 23-0127	EA	5", 150 Lb., Black Malleable Iron Reducing Coupling	456.30	87.16
		For Work In Restricted Working Space, Add	*39.20*	
		For 300 Lb. Rating, Add	*789.35*	
		For Standard Weight Cast Iron Fittings, Add	*5.21*	
23 21 13 23-0128	EA	6", 150 Lb., Black Malleable Iron Reducing Coupling	554.85	91.13
		For Work In Restricted Working Space, Add	*40.98*	
		For 300 Lb. Rating, Add	*1,011.97*	
		For Standard Weight Cast Iron Fittings, Add	*6.69*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 Lb., Black Malleable Iron Cap	16.64	8.94
		For Work In Restricted Working Space, Add	*4.07*	
		For 300 Lb. Rating, Add	*8.16*	
		For Standard Weight Cast Iron Fittings, Add	*0.05*	
23 21 13 23-0131	EA	3/4", 150 Lb., Black Malleable Iron Cap	19.32	10.07
		For Work In Restricted Working Space, Add	*4.56*	
		For 300 Lb. Rating, Add	*10.82*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
23 21 13 23-0132	EA	1", 150 Lb., Black Malleable Iron Cap	21.98	11.21
		For Work In Restricted Working Space, Add	*5.09*	
		For 300 Lb. Rating, Add	*13.02*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
23 21 13 23-0133	EA	1-1/4", 150 Lb., Black Malleable Iron Cap	25.80	12.68
		For Work In Restricted Working Space, Add	*5.76*	
		For 300 Lb. Rating, Add	*16.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
23 21 13 23-0134	EA	1-1/2", 150 Lb., Black Malleable Iron Cap	30.72	14.26
		For Work In Restricted Working Space, Add	*6.50*	
		For 300 Lb. Rating, Add	*23.02*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
23 21 13 23-0135	EA	2", 150 Lb., Black Malleable Iron Cap	40.74	18.22
		For Work In Restricted Working Space, Add	*8.26*	
		For 300 Lb. Rating, Add	*33.38*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
23 21 13 23-0136	EA	2-1/2", 150 Lb., Black Malleable Iron Cap	71.06	26.94
		For Work In Restricted Working Space, Add	*12.22*	
		For 300 Lb. Rating, Add	*75.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.49*	
23 21 13 23-0137	EA	3", 150 Lb., Black Malleable Iron Cap	98.33	35.42
		For Work In Restricted Working Space, Add	*16.08*	
		For 300 Lb. Rating, Add	*110.54*	
		For Standard Weight Cast Iron Fittings, Add	*0.72*	
23 21 13 23-0138	EA	4", 150 Lb., Black Malleable Iron Cap	133.03	37.24
		For Work In Restricted Working Space, Add	*16.91*	
		For 300 Lb. Rating, Add	*187.41*	
		For Standard Weight Cast Iron Fittings, Add	*1.23*	
23 21 13 23-0139	EA	5", 150 Lb., Black Malleable Iron Cap	241.56	38.85
		For Work In Restricted Working Space, Add	*17.64*	
		For 300 Lb. Rating, Add	*442.15*	
		For Standard Weight Cast Iron Fittings, Add	*2.92*	
23 21 13 23-0140	EA	6", 150 Lb., Black Malleable Iron Cap	396.48	40.58
		For Work In Restricted Working Space, Add	*18.44*	
		For 300 Lb. Rating, Add	*807.71*	
		For Standard Weight Cast Iron Fittings, Add	*5.36*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 Lb., Black Malleable Iron Union	39.79	16.75
		For Work In Restricted Working Space, Add	*7.55*	
23 21 13 23-0143	EA	1/2", 150 Lb., Black Malleable Iron Union	50.97	25.12
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-0144	EA	3/4", 150 Lb., Black Malleable Iron Union	58.76	29.08
		For Work In Restricted Working Space, Add	*13.06*	
23 21 13 23-0145	EA	1", 150 Lb., Black Malleable Iron Union	71.30	34.29
		For Work In Restricted Working Space, Add	*15.43*	
23 21 13 23-0146	EA	1-1/4", 150 Lb., Black Malleable Iron Union	89.65	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-0147	EA	1-1/2", 150 Lb., Black Malleable Iron Union	108.52	48.67
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-0148	EA	2", 150 Lb., Black Malleable Iron Union	131.82	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-0149	EA	2-1/2", 150 Lb., Black Malleable Iron Union	256.64	89.06
		For Work In Restricted Working Space, Add	*40.09*	
23 21 13 23-0150	EA	3", 150 Lb., Black Malleable Iron Union	323.93	117.13
		For Work In Restricted Working Space, Add	*52.76*	
23 21 13 23-0151	EA	3/8", 250 Lb., Black Malleable Iron Union	44.49	16.75
		For Work In Restricted Working Space, Add	*7.54*	
23 21 13 23-0152	EA	1/2", 250 Lb., Black Malleable Iron Union	59.92	25.12
		For Work In Restricted Working Space, Add	*11.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0153	EA	3/4", 250 Lb., Black Malleable Iron Union	65.36	29.08
		For Work In Restricted Working Space, Add	*13.06*	
23 21 13 23-0154	EA	1", 250 Lb., Black Malleable Iron Union	78.22	34.29
		For Work In Restricted Working Space, Add	*15.43*	
23 21 13 23-0155	EA	1-1/4", 250 Lb., Black Malleable Iron Union	106.12	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-0156	EA	1-1/2", 250 Lb., Black Malleable Iron Union	124.76	48.67
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-0157	EA	2", 250 Lb., Black Malleable Iron Union	156.93	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-0158	EA	2-1/2", 250 Lb., Black Malleable Iron Union	341.76	89.06
		For Work In Restricted Working Space, Add	*40.10*	
23 21 13 23-0159	EA	3", 250 Lb., Black Malleable Iron Union	419.41	117.13
		For Work In Restricted Working Space, Add	*52.76*	
23 21 13 23-0160	EA	4", 250 Lb., Black Malleable Iron Union	616.58	123.22
		For Work In Restricted Working Space, Add	*55.46*	
23 21 13 23-0161	EA	3/8", 300 Lb., Black Malleable Iron Union	56.54	16.75
		For Work In Restricted Working Space, Add	*7.54*	
23 21 13 23-0162	EA	1/2", 300 Lb., Black Malleable Iron Union	63.12	25.12
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-0163	EA	3/4", 300 Lb., Black Malleable Iron Union	71.65	29.08
		For Work In Restricted Working Space, Add	*13.06*	
23 21 13 23-0164	EA	1", 300 Lb., Black Malleable Iron Union	88.16	34.29
		For Work In Restricted Working Space, Add	*15.43*	
23 21 13 23-0165	EA	1-1/4", 300 Lb., Black Malleable Iron Union	121.07	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-0166	EA	1-1/2", 300 Lb., Black Malleable Iron Union	135.74	48.67
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-0167	EA	2", 300 Lb., Black Malleable Iron Union	168.23	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-0168	EA	2-1/2", 300 Lb., Black Malleable Iron Union	384.16	89.06
		For Work In Restricted Working Space, Add	*40.10*	
23 21 13 23-0169	EA	3", 300 Lb., Black Malleable Iron Union	499.93	117.13
		For Work In Restricted Working Space, Add	*52.76*	
23 21 13 23-0170	EA	4", 300 Lb., Black Malleable Iron Union	1,213.45	123.22
		For Work In Restricted Working Space, Add	*55.46*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	19.60	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.72*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	19.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.45*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	19.49	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.66*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	22.24	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*2.42*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	24.97	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*3.06*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	26.47	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*3.81*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	34.71	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*5.19*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	62.64	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*16.23*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	75.07	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*19.29*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	101.03	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*29.05*	
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	20.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.95*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	19.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.45*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	19.75	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.79*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	20.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.95*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	19.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	19.75	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.79*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	22.70	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*2.65*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	25.80	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*3.47*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	27.08	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*4.11*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	21.17	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.50*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	19.60	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.72*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	20.21	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.02*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	23.02	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*2.81*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	26.22	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*3.68*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	28.05	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*4.60*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	36.24	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*5.95*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	21.17	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.50*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	19.60	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*1.72*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	20.21	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.02*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	23.02	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*2.81*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	26.22	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*3.68*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	28.05	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*4.60*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	36.24	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*5.95*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	63.50	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*16.66*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	78.43	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*20.97*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	22.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.95*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	20.28	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.06*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	21.17	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.50*	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	24.35	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*3.47*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	27.58	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*4.36*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	29.16	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*5.15*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	38.75	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*7.21*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	69.36	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*19.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	86.16	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*24.83*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	22.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.95*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	20.28	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.06*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	21.17	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.50*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	24.35	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*3.47*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	27.58	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*4.36*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	29.16	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*5.15*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	38.75	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*7.21*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	69.36	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*19.59*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	86.16	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*24.83*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	110.15	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*33.61*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	24.68	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*4.26*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.00	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.42*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	22.46	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*3.15*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	25.63	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*4.11*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	29.30	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*5.22*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	31.44	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*6.29*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	40.93	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*8.30*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	73.22	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*21.52*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	91.27	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*27.39*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	119.73	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*38.40*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	24.68	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*4.26*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	21.00	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.42*	
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	22.46	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*3.15*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	25.63	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*4.11*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	29.30	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*5.22*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	31.44	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*6.29*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	40.93	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*8.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	73.22	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*21.52*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	91.27	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*27.39*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	119.73	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*38.40*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	25.64	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*4.74*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	21.57	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*2.70*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	23.32	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*3.58*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	27.13	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*4.86*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	31.23	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*6.19*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	33.30	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*7.22*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	43.79	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*9.73*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	75.05	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*22.44*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	96.02	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*29.76*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	125.02	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*41.04*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	32.79	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*8.31*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	25.89	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*4.86*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	28.07	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*5.95*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	33.32	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*7.96*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	38.84	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*9.99*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	41.78	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*11.46*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	56.94	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*16.30*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	87.27	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*28.55*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	116.79	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*40.15*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	137.68	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*47.37*	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	34.83	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*9.33*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	27.86	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*5.85*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	30.01	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*6.92*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	36.00	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*9.30*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	42.81	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*11.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	45.67	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*13.41*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	62.66	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*19.16*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	94.32	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*32.07*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	126.70	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*45.10*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	150.83	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*53.95*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	37.41	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*10.62*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	30.04	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*6.94*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	31.54	10.75
		For Work In Restricted Working Space, Add	*4.85*	
		For Schedule 80 Nipples, Add	*7.69*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	38.75	11.66
		For Work In Restricted Working Space, Add	*5.22*	
		For Schedule 80 Nipples, Add	*10.67*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	46.03	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*13.59*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	49.75	12.57
		For Work In Restricted Working Space, Add	*5.66*	
		For Schedule 80 Nipples, Add	*15.45*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	68.46	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Schedule 80 Nipples, Add	*22.06*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	101.54	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Schedule 80 Nipples, Add	*35.68*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	136.60	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Schedule 80 Nipples, Add	*50.05*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	169.42	28.65
		For Work In Restricted Working Space, Add	*12.88*	
		For Schedule 80 Nipples, Add	*63.24*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	32.30	18.45
		For Work In Restricted Working Space, Add	*8.30*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	36.40	19.81
		For Work In Restricted Working Space, Add	*8.91*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	38.67	21.28
		For Work In Restricted Working Space, Add	*9.59*	
23 21 13 23-0290	EA	1" x 3/8", 150 Lb., Black Malleable Iron Bushing	40.91	21.17
		For Work In Restricted Working Space, Add	*9.51*	
23 21 13 23-0291	EA	1" x 1/2", 150 Lb., Black Malleable Iron Bushing	40.84	22.64
		For Work In Restricted Working Space, Add	*10.19*	
23 21 13 23-0292	EA	1" x 3/4", 150 Lb., Black Malleable Iron Bushing	42.64	23.87
		For Work In Restricted Working Space, Add	*10.73*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 Lb., Black Malleable Iron Bushing	44.52	22.75
		For Work In Restricted Working Space, Add	*10.25*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 Lb., Black Malleable Iron Bushing	46.32	24.33
		For Work In Restricted Working Space, Add	*10.93*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 Lb., Black Malleable Iron Bushing	47.13	25.47
		For Work In Restricted Working Space, Add	*11.47*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 Lb., Black Malleable Iron Bushing	49.10	26.82
		For Work In Restricted Working Space, Add	*12.06*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 Lb., Black Malleable Iron Bushing	50.55	24.67
		For Work In Restricted Working Space, Add	*11.07*	
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 Lb., Black Malleable Iron Bushing	50.42	26.14
		For Work In Restricted Working Space, Add	*11.75*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	52.21	27.28
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	52.82	28.63
		For Work In Restricted Working Space, Add	*12.88*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	56.70	30.33
		For Work In Restricted Working Space, Add	*13.63*	
23 21 13 23-0302	EA	2" x 3/8", 150 Lb., Black Malleable Iron Bushing	62.68	28.97
		For Work In Restricted Working Space, Add	*13.02*	
23 21 13 23-0303	EA	2" x 1/2", 150 Lb., Black Malleable Iron Bushing	62.66	30.44
		For Work In Restricted Working Space, Add	*13.70*	
23 21 13 23-0304	EA	2" x 3/4", 150 Lb., Black Malleable Iron Bushing	61.85	31.69
		For Work In Restricted Working Space, Add	*14.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0305	EA	2" x 1", 150 Lb., Black Malleable Iron Bushing	62.90	32.93
		For Work In Restricted Working Space, Add	*14.83*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	65.39	34.63
		For Work In Restricted Working Space, Add	*15.58*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	69.64	36.44
		For Work In Restricted Working Space, Add	*16.40*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 Lb., Black Malleable Iron Bushing	86.62	41.42
		For Work In Restricted Working Space, Add	*18.65*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 Lb., Black Malleable Iron Bushing	88.59	42.78
		For Work In Restricted Working Space, Add	*19.24*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	91.08	44.37
		For Work In Restricted Working Space, Add	*19.99*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	92.14	46.29
		For Work In Restricted Working Space, Add	*20.81*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 Lb., Black Malleable Iron Bushing	98.46	50.59
		For Work In Restricted Working Space, Add	*22.76*	
23 21 13 23-0313	EA	3" x 3/4", 150 Lb., Black Malleable Iron Bushing	110.29	50.92
		For Work In Restricted Working Space, Add	*22.94*	
23 21 13 23-0314	EA	3" x 1", 150 Lb., Black Malleable Iron Bushing	112.25	52.28
		For Work In Restricted Working Space, Add	*23.53*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	114.75	53.98
		For Work In Restricted Working Space, Add	*24.28*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	116.83	55.79
		For Work In Restricted Working Space, Add	*25.10*	
23 21 13 23-0317	EA	3" x 2", 150 Lb., Black Malleable Iron Bushing	121.15	60.09
		For Work In Restricted Working Space, Add	*27.05*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	136.29	69.94
		For Work In Restricted Working Space, Add	*31.45*	
23 21 13 23-0319	EA	4" x 3/4", 150 Lb., Black Malleable Iron Bushing	143.53	52.38
		For Work In Restricted Working Space, Add	*23.59*	
23 21 13 23-0320	EA	4" x 1", 150 Lb., Black Malleable Iron Bushing	145.39	53.67
		For Work In Restricted Working Space, Add	*24.15*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 Lb., Black Malleable Iron Bushing	147.76	55.28
		For Work In Restricted Working Space, Add	*24.86*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 Lb., Black Malleable Iron Bushing	150.34	57.00
		For Work In Restricted Working Space, Add	*25.64*	
23 21 13 23-0323	EA	4" x 2", 150 Lb., Black Malleable Iron Bushing	153.04	61.08
		For Work In Restricted Working Space, Add	*27.49*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 Lb., Black Malleable Iron Bushing	166.96	70.41
		For Work In Restricted Working Space, Add	*31.67*	
23 21 13 23-0325	EA	4" x 3", 150 Lb., Black Malleable Iron Bushing	180.52	79.43
		For Work In Restricted Working Space, Add	*35.73*	
23 21 13 23-0326		**Black Malleable Iron Square Head Plugs** *(23 21 13 23-0014)*		
23 21 13 23-0327	EA	3/8", 150 Lb., Black Malleable Iron Square Head Plug	13.60	6.68
		For Work In Restricted Working Space, Add	*3.02*	
23 21 13 23-0328	EA	1/2", 150 Lb., Black Malleable Iron Square Head Plug	15.85	8.04
		For Work In Restricted Working Space, Add	*3.62*	
23 21 13 23-0329	EA	3/4", 150 Lb., Black Malleable Iron Square Head Plug	17.29	9.05
		For Work In Restricted Working Space, Add	*4.05*	
23 21 13 23-0330	EA	1", 150 Lb., Black Malleable Iron Square Head Plug	19.83	10.07
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-0331	EA	1-1/4", 150 Lb., Black Malleable Iron Square Head Plug	23.07	11.43
		For Work In Restricted Working Space, Add	*5.12*	
23 21 13 23-0332	EA	1-1/2", 150 Lb., Black Malleable Iron Square Head Plug	27.61	12.79
		For Work In Restricted Working Space, Add	*5.78*	
23 21 13 23-0333	EA	2", 150 Lb., Black Malleable Iron Square Head Plug	36.34	16.29
		For Work In Restricted Working Space, Add	*7.34*	
23 21 13 23-0334	EA	2-1/2", 150 Lb., Black Malleable Iron Square Head Plug	57.81	24.11
		For Work In Restricted Working Space, Add	*10.86*	
23 21 13 23-0335	EA	3", 150 Lb., Black Malleable Iron Square Head Plug	77.32	31.80
		For Work In Restricted Working Space, Add	*14.30*	
23 21 13 23-0336	EA	4", 150 Lb., Black Malleable Iron Square Head Plug	112.30	33.38
		For Work In Restricted Working Space, Add	*15.03*	
23 21 13 23-0337	EA	5", 150 Lb., Black Malleable Iron Square Head Plug	185.89	34.88
		For Work In Restricted Working Space, Add	*15.68*	
23 21 13 23-0338	EA	6", 150 Lb., Black Malleable Iron Square Head Plug	220.15	36.38
		For Work In Restricted Working Space, Add	*16.40*	
23 21 13 23-0339		**125 Lb., Black Cast Iron Screwed Flanges** *(23 21 13 23-0014)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340	EA	3/4", 125 Lb., Black Cast Iron Flange	135.63	45.27
		For Work In Restricted Working Space, Add	*20.37*	
23 21 13 23-0341	EA	1", 125 Lb., Black Cast Iron Flange	119.81	51.15
		For Work In Restricted Working Space, Add	*23.02*	
23 21 13 23-0342	EA	1-1/4", 125 Lb., Black Cast Iron Flange	130.95	52.97
		For Work In Restricted Working Space, Add	*23.82*	
23 21 13 23-0343	EA	1-1/2", 125 Lb., Black Cast Iron Flange	134.01	57.61
		For Work In Restricted Working Space, Add	*25.92*	
23 21 13 23-0344	EA	2", 125 Lb., Black Cast Iron Flange	137.69	60.09
		For Work In Restricted Working Space, Add	*27.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0345	EA	2-1/2", 125 Lb., Black Cast Iron Flange	159.88	69.60
		For Work In Restricted Working Space, Add	*31.28*	
23 21 13 23-0346	EA	3", 125 Lb., Black Cast Iron Flange	203.98	88.27
		For Work In Restricted Working Space, Add	*39.71*	
23 21 13 23-0347	EA	4", 125 Lb., Black Cast Iron Flange	268.27	114.53
		For Work In Restricted Working Space, Add	*51.52*	
23 21 13 23-0348	EA	5", 125 Lb., Black Cast Iron Flange	340.80	136.43
		For Work In Restricted Working Space, Add	*61.34*	
23 21 13 23-0349	EA	6", 125 Lb., Black Cast Iron Flange	389.08	156.61
		For Work In Restricted Working Space, Add	*70.44*	

23 21 13 23-0350 150 Lb., Black Malleable Iron Flanges *(23 21 13 23-0014)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0351	EA	1/2", 150 Lb., Black Malleable Iron Flange	76.99	41.30
		For Work In Restricted Working Space, Add	*18.60*	
23 21 13 23-0352	EA	3/4", 150 Lb., Black Malleable Iron Flange	84.05	45.27
		For Work In Restricted Working Space, Add	*20.37*	
23 21 13 23-0353	EA	1", 150 Lb., Black Malleable Iron Flange	97.69	51.15
		For Work In Restricted Working Space, Add	*23.01*	
23 21 13 23-0354	EA	1-1/4", 150 Lb., Black Malleable Iron Flange	101.84	52.97
		For Work In Restricted Working Space, Add	*23.82*	
23 21 13 23-0355	EA	1-1/2", 150 Lb., Black Malleable Iron Flange	110.85	57.61
		For Work In Restricted Working Space, Add	*25.92*	
23 21 13 23-0356	EA	2", 150 Lb., Black Malleable Iron Flange	122.07	60.09
		For Work In Restricted Working Space, Add	*27.05*	
23 21 13 23-0357	EA	2-1/2", 150 Lb., Black Malleable Iron Flange	154.32	69.60
		For Work In Restricted Working Space, Add	*31.28*	
23 21 13 23-0358	EA	3", 150 Lb., Black Malleable Iron Flange	195.57	88.27
		For Work In Restricted Working Space, Add	*39.70*	
23 21 13 23-0359	EA	4", 150 Lb., Black Malleable Iron Flange	279.12	114.53
		For Work In Restricted Working Space, Add	*51.51*	

23 21 13 23-0360 Cut And Thread Existing In-Place Black Steel Pipe *(23 21 13 23-0014)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	36.87	
		For Work In Restricted Working Space, Add	*11.06*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	40.56	
		For Work In Restricted Working Space, Add	*12.17*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	44.25	
		For Work In Restricted Working Space, Add	*13.28*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	47.93	
		For Work In Restricted Working Space, Add	*14.38*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	50.38	
		For Work In Restricted Working Space, Add	*15.11*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	52.85	
		For Work In Restricted Working Space, Add	*15.86*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	55.31	
		For Work In Restricted Working Space, Add	*16.59*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	57.76	
		For Work In Restricted Working Space, Add	*17.33*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	60.22	
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	65.13	
		For Work In Restricted Working Space, Add	*19.54*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	70.05	
		For Work In Restricted Working Space, Add	*21.02*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	76.19	
		For Work In Restricted Working Space, Add	*22.86*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	81.11	
		For Work In Restricted Working Space, Add	*24.33*	

23 21 13 23-0374 Welded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0375 Welded Plain End Black Steel Pipe Assemblies *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	27.85	8.61
		For Work In Restricted Working Space, Add	*6.29*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.30	9.18
		For Work In Restricted Working Space, Add	*7.05*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	38.04	9.75
		For Work In Restricted Working Space, Add	*8.09*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	41.24	9.75
		For Work In Restricted Working Space, Add	*8.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.34	9.75
		For Work In Restricted Working Space, Add	*9.79*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	54.79	9.75
		For Work In Restricted Working Space, Add	*11.35*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	65.33	9.53
		For Work In Restricted Working Space, Add	*11.97*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	87.34	11.75
		For Work In Restricted Working Space, Add	*14.58*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	120.46	17.51
		For Work In Restricted Working Space, Add	*16.79*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	181.84	21.75
		For Work In Restricted Working Space, Add	*24.91*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	242.65	27.20
		For Work In Restricted Working Space, Add	*29.70*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	305.95	32.85
		For Work In Restricted Working Space, Add	*34.32*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	325.77	42.85
		For Work In Restricted Working Space, Add	*38.29*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	375.04	54.39
		For Work In Restricted Working Space, Add	*42.79*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	477.43	67.33
		For Work In Restricted Working Space, Add	*46.95*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	594.41	83.21
		For Work In Restricted Working Space, Add	*53.74*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	733.73	94.31
		For Work In Restricted Working Space, Add	*59.08*	

23 21 13 23-0393 Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End (A-53) Black Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	12.67	4.59
		For Schedule 80 Pipe, Add	*2.08*	
		For Work In Restricted Working Space, Add	*2.75*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	16.12	5.74
		For Schedule 80 Pipe, Add	*2.65*	
		For Work In Restricted Working Space, Add	*3.44*	
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	20.58	6.88
		For Schedule 80 Pipe, Add	*3.43*	
		For Work In Restricted Working Space, Add	*4.13*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	25.11	8.04
		For Schedule 80 Pipe, Add	*4.22*	
		For Work In Restricted Working Space, Add	*4.82*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	29.88	9.53
		For Schedule 80 Pipe, Add	*5.02*	
		For Work In Restricted Working Space, Add	*5.72*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	34.21	10.78
		For Work In Restricted Working Space, Add	*6.47*	
		For Schedule 80 Pipe, Add	*8.20*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	43.23	11.59
		For Work In Restricted Working Space, Add	*6.95*	
		For Schedule 80 Pipe, Add	*11.07*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	60.83	14.35
		For Work In Restricted Working Space, Add	*8.61*	
		For Schedule 80 Pipe, Add	*16.27*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	89.45	23.24
		For Work In Restricted Working Space, Add	*10.67*	
		For Schedule 80 Pipe, Add	*25.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	127.99	23.39
		For Schedule 30 Pipe, Deduct	*-20.92*	
		For Work In Restricted Working Space, Add	*14.03*	
		For Schedule 80 Pipe, Add	*36.61*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	171.31	28.17
		For Schedule 30 Pipe, Deduct	*-28.63*	
		For Work In Restricted Working Space, Add	*16.91*	
		For Schedule 80 Pipe, Add	*50.10*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	220.13	34.05
		For Schedule 30 Pipe, Deduct	*-37.22*	
		For Work In Restricted Working Space, Add	*20.43*	
		For Schedule 80 Pipe, Add	*65.13*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	210.42	35.90
		For Schedule 30 Pipe, Deduct	*-34.91*	
		For Work In Restricted Working Space, Add	*21.54*	
		For Schedule 20 Pipe, Deduct	*-62.88*	
		For Schedule 80 Pipe, Add	*61.08*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	232.19	38.61
		For Schedule 30 Pipe, Deduct	*-38.72*	
		For Work In Restricted Working Space, Add	*23.17*	
		For Schedule 20 Pipe, Deduct	*-69.68*	
		For Schedule 80 Pipe, Add	*67.75*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	298.31	41.77
		For Schedule 30 Pipe, Deduct	*-51.31*	
		For Work In Restricted Working Space, Add	*25.06*	
		For Schedule 20 Pipe, Deduct	*-91.88*	
		For Schedule 80 Pipe, Add	*89.79*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	352.24	50.03
		For Work In Restricted Working Space, Add	*30.02*	
		For Schedule 80 Pipe, Add	*105.77*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	440.84	57.54
		For Work In Restricted Working Space, Add	*34.52*	
		For Schedule 80 Pipe, Add	*134.16*	

23 21 13 23-0412 Welded Plain End (A-106) Seamless Carbon Steel Piping *(23 21 13 23-0393)*

23 21 13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.60	3.22
		For Work In Restricted Working Space, Add	*1.93*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.88*	
23 21 13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	11.75	3.55
		For Work In Restricted Working Space, Add	*2.10*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*2.81*	
23 21 13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	14.85	4.59
		For Work In Restricted Working Space, Add	*2.75*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*3.47*	
23 21 13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	18.21	5.74
		For Work In Restricted Working Space, Add	*3.44*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*4.21*	
23 21 13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	23.00	6.88
		For Work In Restricted Working Space, Add	*4.13*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*5.48*	
23 21 13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	26.85	8.04
		For Work In Restricted Working Space, Add	*4.82*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*6.40*	
23 21 13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	31.91	9.53
		For Work In Restricted Working Space, Add	*5.72*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*7.62*	
23 21 13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	42.16	10.78
		For Work In Restricted Working Space, Add	*6.47*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*14.76*	
23 21 13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	48.37	11.59
		For Work In Restricted Working Space, Add	*6.95*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*17.58*	
23 21 13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	60.11	14.35
		For Work In Restricted Working Space, Add	*8.61*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*21.90*	
23 21 13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	94.12	23.29
		For Work In Restricted Working Space, Add	*10.67*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*38.12*	
23 21 13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	134.87	23.39
		For Work In Restricted Working Space, Add	*14.03*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*56.35*	
23 21 13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	182.00	28.17
		For Work In Restricted Working Space, Add	*16.91*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*78.82*	
23 21 13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	221.93	34.05
		For Work In Restricted Working Space, Add	*20.43*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*96.36*	
23 21 13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	260.99	35.90
		For Work In Restricted Working Space, Add	*21.54*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*116.72*	
23 21 13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	301.77	38.61
		For Work In Restricted Working Space, Add	*23.17*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*137.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0429	LF	18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	366.81	41.77
		For Work In Restricted Working Space, Add	*25.06*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*171.16*	
23 21 13 23-0430	LF	20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	442.08	50.03
		For Work In Restricted Working Space, Add	*30.02*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*206.54*	
23 21 13 23-0431	LF	24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe	558.16	57.54
		For Work In Restricted Working Space, Add	*34.52*	
		For Schedule 80 (A-106) Carbon Steel Pipe, Add	*265.39*	

23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0433	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	121.49	68.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.60*	
		For Work In Restricted Working Space, Add	*31.00*	
23 21 13 23-0434	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	126.91	72.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.65*	
		For Work In Restricted Working Space, Add	*32.63*	
23 21 13 23-0435	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	142.13	82.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.62*	
		For Work In Restricted Working Space, Add	*37.19*	
23 21 13 23-0436	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	151.92	89.19
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.53*	
		For Work In Restricted Working Space, Add	*40.13*	
23 21 13 23-0437	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	192.16	116.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.38*	
		For Work In Restricted Working Space, Add	*52.20*	
23 21 13 23-0438	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	241.70	145.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.67*	
		For Work In Restricted Working Space, Add	*65.25*	
23 21 13 23-0439	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	261.46	155.16
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.02*	
		For Work In Restricted Working Space, Add	*69.76*	
23 21 13 23-0440	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	449.76	268.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*92.72*	
		For Work In Restricted Working Space, Add	*120.58*	
23 21 13 23-0441	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	780.95	442.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*164.63*	
		For Work In Restricted Working Space, Add	*199.01*	
23 21 13 23-0442	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,102.04	589.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*237.81*	
		For Work In Restricted Working Space, Add	*265.14*	
23 21 13 23-0443	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,410.78	673.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*317.18*	
		For Work In Restricted Working Space, Add	*303.02*	
23 21 13 23-0444	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,902.63	881.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*432.03*	
		For Work In Restricted Working Space, Add	*396.47*	
23 21 13 23-0445	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,348.64	1,041.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*540.57*	
		For Work In Restricted Working Space, Add	*468.65*	
23 21 13 23-0446	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,900.65	1,216.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*678.66*	
		For Work In Restricted Working Space, Add	*547.24*	
23 21 13 23-0447	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,419.56	1,356.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*812.29*	
		For Work In Restricted Working Space, Add	*610.21*	
23 21 13 23-0448	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,317.18	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,055.68*	
		For Work In Restricted Working Space, Add	*684.23*	
23 21 13 23-0449	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,018.18	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,257.99*	
		For Work In Restricted Working Space, Add	*707.03*	

23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0451	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	599.41	268.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*137.54*	
		For Work In Restricted Working Space, Add	*120.80*	
23 21 13 23-0452	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,040.63	437.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*243.33*	
		For Work In Restricted Working Space, Add	*196.73*	
23 21 13 23-0453	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,106.61	437.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*263.13*	
		For Work In Restricted Working Space, Add	*196.73*	
23 21 13 23-0454	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,695.61	589.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*415.89*	
		For Work In Restricted Working Space, Add	*265.14*	
23 21 13 23-0455	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,852.94	589.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*463.08*	
		For Work In Restricted Working Space, Add	*265.14*	
23 21 13 23-0456	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,307.69	673.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*586.25*	
		For Work In Restricted Working Space, Add	*303.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0457	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,307.69	673.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*586.25*	
		For Work In Restricted Working Space, Add	*303.02*	
23 21 13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,755.97	898.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*985.39*	
		For Work In Restricted Working Space, Add	*404.02*	
23 21 13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,755.97	898.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*985.39*	
		For Work In Restricted Working Space, Add	*404.02*	
23 21 13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,183.92	898.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,113.77*	
		For Work In Restricted Working Space, Add	*404.02*	

23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	111.96	65.06
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.35*	
		For Work In Restricted Working Space, Add	*29.27*	
23 21 13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	115.40	67.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.02*	
		For Work In Restricted Working Space, Add	*30.30*	
23 21 13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	130.32	77.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.93*	
		For Work In Restricted Working Space, Add	*34.77*	
23 21 13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	139.50	83.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.72*	
		For Work In Restricted Working Space, Add	*37.53*	
23 21 13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	176.22	107.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.88*	
		For Work In Restricted Working Space, Add	*48.54*	
23 21 13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	219.90	135.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.64*	
		For Work In Restricted Working Space, Add	*60.94*	
23 21 13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	253.62	155.04
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.67*	
		For Work In Restricted Working Space, Add	*69.75*	
23 21 13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	436.75	267.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*88.83*	
		For Work In Restricted Working Space, Add	*120.55*	
23 21 13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	748.45	441.95
		For Schedule 80 Or Extra Heavy Fittings, Add	*154.96*	
		For Work In Restricted Working Space, Add	*198.78*	
23 21 13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,043.15	589.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*220.15*	
		For Work In Restricted Working Space, Add	*265.14*	
23 21 13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,302.65	673.74
		For Schedule 80 Or Extra Heavy Fittings, Add	*284.74*	
		For Work In Restricted Working Space, Add	*303.02*	
23 21 13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,743.36	879.87
		For Schedule 80 Or Extra Heavy Fittings, Add	*384.50*	
		For Work In Restricted Working Space, Add	*395.73*	
23 21 13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,138.48	1,043.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*477.30*	
		For Work In Restricted Working Space, Add	*469.27*	
23 21 13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,608.26	1,215.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*591.14*	
		For Work In Restricted Working Space, Add	*546.67*	
23 21 13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,043.34	1,355.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*699.67*	
		For Work In Restricted Working Space, Add	*609.51*	
23 21 13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,767.65	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*890.82*	
		For Work In Restricted Working Space, Add	*684.23*	
23 21 13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,299.99	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,042.54*	
		For Work In Restricted Working Space, Add	*707.03*	

23 21 13 23-0479 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	227.13	122.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.86*	
		For Work In Restricted Working Space, Add	*55.09*	
23 21 13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee	227.06	122.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.85*	
		For Work In Restricted Working Space, Add	*55.07*	
23 21 13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	256.64	136.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.55*	
		For Work In Restricted Working Space, Add	*61.26*	
23 21 13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	281.96	153.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*60.49*	
		For Work In Restricted Working Space, Add	*68.86*	
23 21 13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee	352.81	204.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*73.67*	
		For Work In Restricted Working Space, Add	*91.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	401.92	229.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.42*	
		For Work In Restricted Working Space, Add	*103.29*	
23 21 13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee	481.51	278.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*100.59*	
		For Work In Restricted Working Space, Add	*125.32*	
23 21 13 23-0487	EA	4" Standard Weight, Welded Plain End Black Steel Tee	692.75	402.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*144.40*	
		For Work In Restricted Working Space, Add	*181.20*	
23 21 13 23-0488	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,159.44	665.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*243.05*	
		For Work In Restricted Working Space, Add	*299.38*	
23 21 13 23-0489	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,645.79	898.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*352.33*	
		For Work In Restricted Working Space, Add	*404.02*	
23 21 13 23-0490	EA	10" Standard Weight, Welded Plain End Black Steel Tee	2,072.63	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*456.82*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0491	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,782.75	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*622.72*	
		For Work In Restricted Working Space, Add	*606.03*	
23 21 13 23-0492	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,582.96	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*827.43*	
		For Work In Restricted Working Space, Add	*707.03*	
23 21 13 23-0493	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,310.52	1,886.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*996.20*	
		For Work In Restricted Working Space, Add	*848.44*	
23 21 13 23-0494	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,563.80	2,095.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,339.19*	
		For Work In Restricted Working Space, Add	*942.71*	
23 21 13 23-0495	EA	20" Standard Weight, Welded Plain End Black Steel Tee	7,273.55	2,358.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,810.87*	
		For Work In Restricted Working Space, Add	*1,060.55*	
23 21 13 23-0496	EA	24" Standard Weight, Welded Plain End Black Steel Tee	8,366.93	2,539.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,110.33*	
		For Work In Restricted Working Space, Add	*1,142.13*	

23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0498	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	221.39	118.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.74*	
		For Work In Restricted Working Space, Add	*53.36*	
23 21 13 23-0499	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	227.06	122.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.85*	
		For Work In Restricted Working Space, Add	*55.07*	
23 21 13 23-0500	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	253.86	136.22
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.72*	
		For Work In Restricted Working Space, Add	*61.26*	
23 21 13 23-0501	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	279.18	153.09
		For Schedule 80 Or Extra Heavy Fittings, Add	*59.65*	
		For Work In Restricted Working Space, Add	*68.86*	
23 21 13 23-0502	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	359.08	204.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*75.54*	
		For Work In Restricted Working Space, Add	*91.96*	
23 21 13 23-0503	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	402.05	229.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.45*	
		For Work In Restricted Working Space, Add	*103.33*	
23 21 13 23-0504	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	481.80	278.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*100.68*	
		For Work In Restricted Working Space, Add	*125.32*	
23 21 13 23-0505	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	693.16	402.92
		For Schedule 80 Or Extra Heavy Fittings, Add	*144.53*	
		For Work In Restricted Working Space, Add	*181.20*	
23 21 13 23-0506	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,160.15	665.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*243.26*	
		For Work In Restricted Working Space, Add	*299.38*	
23 21 13 23-0507	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,647.14	898.25
		For Schedule 80 Or Extra Heavy Fittings, Add	*352.74*	
		For Work In Restricted Working Space, Add	*404.02*	
23 21 13 23-0508	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,074.92	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*457.50*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0509	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,786.21	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*623.75*	
		For Work In Restricted Working Space, Add	*606.03*	
23 21 13 23-0510	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,588.54	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*829.10*	
		For Work In Restricted Working Space, Add	*707.03*	
23 21 13 23-0511	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,317.27	1,886.36
		For Schedule 80 Or Extra Heavy Fittings, Add	*998.23*	
		For Work In Restricted Working Space, Add	*848.44*	
23 21 13 23-0512	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,574.83	2,095.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,342.50*	
		For Work In Restricted Working Space, Add	*942.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0513	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	7,380.71	2,358.00
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,843.02*	
		For Work In Restricted Working Space, Add	*1,060.55*	
23 21 13 23-0514	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	8,845.58	2,539.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,253.93*	
		For Work In Restricted Working Space, Add	*1,142.13*	

23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	138.48	74.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.80*	
		For Work In Restricted Working Space, Add	*33.56*	
23 21 13 23-0517	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	149.37	81.89
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.92*	
		For Work In Restricted Working Space, Add	*36.83*	
23 21 13 23-0518	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	146.51	79.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.36*	
		For Work In Restricted Working Space, Add	*35.97*	
23 21 13 23-0519	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	162.57	90.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.49*	
		For Work In Restricted Working Space, Add	*40.79*	
23 21 13 23-0520	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	154.53	85.33
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.93*	
		For Work In Restricted Working Space, Add	*38.38*	
23 21 13 23-0521	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	151.68	83.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.37*	
		For Work In Restricted Working Space, Add	*37.52*	
23 21 13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	178.48	108.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.50*	
		For Work In Restricted Working Space, Add	*48.71*	
23 21 13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	183.29	104.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.48*	
		For Work In Restricted Working Space, Add	*47.16*	
23 21 13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	175.25	99.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*36.91*	
		For Work In Restricted Working Space, Add	*44.75*	
23 21 13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	225.22	137.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.88*	
		For Work In Restricted Working Space, Add	*61.96*	
23 21 13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	207.21	123.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.71*	
		For Work In Restricted Working Space, Add	*55.59*	
23 21 13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	219.77	120.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.02*	
		For Work In Restricted Working Space, Add	*54.04*	
23 21 13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	252.30	154.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.35*	
		For Work In Restricted Working Space, Add	*69.55*	
23 21 13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	253.75	154.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.78*	
		For Work In Restricted Working Space, Add	*69.55*	
23 21 13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	256.81	154.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*52.70*	
		For Work In Restricted Working Space, Add	*69.55*	
23 21 13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	429.41	268.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*86.54*	
		For Work In Restricted Working Space, Add	*120.80*	
23 21 13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	430.86	268.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*86.98*	
		For Work In Restricted Working Space, Add	*120.80*	
23 21 13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	435.21	268.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*88.28*	
		For Work In Restricted Working Space, Add	*120.80*	
23 21 13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	710.87	437.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*144.40*	
		For Work In Restricted Working Space, Add	*196.73*	
23 21 13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	742.12	437.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*153.78*	
		For Work In Restricted Working Space, Add	*196.73*	
23 21 13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,068.16	665.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*215.67*	
		For Work In Restricted Working Space, Add	*299.38*	
23 21 13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,126.31	665.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*233.11*	
		For Work In Restricted Working Space, Add	*299.38*	
23 21 13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,239.58	765.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*251.38*	
		For Work In Restricted Working Space, Add	*344.28*	
23 21 13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,309.50	765.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*272.35*	
		For Work In Restricted Working Space, Add	*344.28*	
23 21 13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,401.48	765.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*299.95*	
		For Work In Restricted Working Space, Add	*344.28*	
		For Concentric Reducers, Deduct	*-81.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,487.70	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*305.17*	
		For Work In Restricted Working Space, Add	*403.25*	
23 21 13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,569.37	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*329.67*	
		For Work In Restricted Working Space, Add	*403.25*	
23 21 13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,707.43	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*371.09*	
		For Work In Restricted Working Space, Add	*403.25*	
		For Concentric Reducers, Deduct	*-116.24*	
23 21 13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,485.38	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*304.48*	
		For Work In Restricted Working Space, Add	*403.25*	
		For Concentric Reducers, Deduct	*-45.19*	
23 21 13 23-0545	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,823.12	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*381.96*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0546	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,866.13	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*394.87*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0547	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,294.94	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*523.51*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0548	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,152.90	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*460.27*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0549	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,279.52	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*498.26*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0550	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,328.81	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*513.05*	
		For Work In Restricted Working Space, Add	*530.27*	
		For Concentric Reducers, Deduct	*-179.59*	
23 21 13 23-0551	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,884.09	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*679.63*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0552	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,160.40	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*762.52*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0553	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,714.21	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*602.15*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0554	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,144.56	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*431.26*	
		For Work In Restricted Working Space, Add	*606.03*	
		For Concentric Reducers, Deduct	*-39.83*	
23 21 13 23-0555	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,780.75	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*622.12*	
		For Work In Restricted Working Space, Add	*606.03*	
		For Concentric Reducers, Deduct	*-243.41*	
23 21 13 23-0556	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,878.84	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*651.54*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0557	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,708.20	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*900.35*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0558	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,152.56	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*706.29*	
		For Work In Restricted Working Space, Add	*684.23*	
		For Concentric Reducers, Deduct	*-278.98*	
23 21 13 23-0559	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,150.31	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*705.61*	
		For Work In Restricted Working Space, Add	*684.23*	
		For Concentric Reducers, Deduct	*-278.26*	
23 21 13 23-0560	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,247.49	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,034.77*	
		For Work In Restricted Working Space, Add	*684.23*	
		For Concentric Reducers, Deduct	*-629.36*	
23 21 13 23-0561	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,687.57	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,166.79*	
		For Work In Restricted Working Space, Add	*684.22*	
23 21 13 23-0562	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,347.72	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,364.84*	
		For Work In Restricted Working Space, Add	*684.22*	
23 21 13 23-0563	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,499.86	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*802.50*	
		For Work In Restricted Working Space, Add	*707.03*	
		For Concentric Reducers, Deduct	*-365.79*	
23 21 13 23-0564	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,632.87	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*842.40*	
		For Work In Restricted Working Space, Add	*707.03*	
		For Concentric Reducers, Deduct	*-408.35*	
23 21 13 23-0565	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,250.85	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,027.79*	
		For Work In Restricted Working Space, Add	*707.03*	
		For Concentric Reducers, Deduct	*-606.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0566	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,400.86	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,372.80*	
		For Work In Restricted Working Space, Add	*707.03*	
23 21 13 23-0567	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,263.17	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,631.49*	
		For Work In Restricted Working Space, Add	*707.03*	

23 21 13 23-0568 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0569	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	131.51	74.63
		For Schedule 80 Or Extra Heavy Fittings, Add	*27.71*	
		For Work In Restricted Working Space, Add	*33.56*	
23 21 13 23-0570	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	142.40	81.89
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.83*	
		For Work In Restricted Working Space, Add	*36.83*	
23 21 13 23-0571	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	139.54	79.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*29.27*	
		For Work In Restricted Working Space, Add	*35.97*	
23 21 13 23-0572	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	155.60	90.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*32.40*	
		For Work In Restricted Working Space, Add	*40.79*	
23 21 13 23-0573	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	147.56	85.33
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.84*	
		For Work In Restricted Working Space, Add	*38.38*	
23 21 13 23-0574	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	144.71	83.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*30.28*	
		For Work In Restricted Working Space, Add	*37.52*	
23 21 13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	174.93	108.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.43*	
		For Work In Restricted Working Space, Add	*48.71*	
23 21 13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	169.76	104.85
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.42*	
		For Work In Restricted Working Space, Add	*47.16*	
23 21 13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	166.56	99.50
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.31*	
		For Work In Restricted Working Space, Add	*44.75*	
23 21 13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	222.64	137.76
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.11*	
		For Work In Restricted Working Space, Add	*61.96*	
23 21 13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	205.76	123.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.27*	
		For Work In Restricted Working Space, Add	*55.59*	
23 21 13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	207.52	120.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*43.34*	
		For Work In Restricted Working Space, Add	*54.04*	
23 21 13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	244.89	154.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.12*	
		For Work In Restricted Working Space, Add	*69.55*	
23 21 13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	245.86	154.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.41*	
		For Work In Restricted Working Space, Add	*69.55*	
23 21 13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	247.95	154.59
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.04*	
		For Work In Restricted Working Space, Add	*69.55*	
23 21 13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	419.42	268.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*83.55*	
		For Work In Restricted Working Space, Add	*120.80*	
23 21 13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	423.13	268.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.66*	
		For Work In Restricted Working Space, Add	*120.80*	
23 21 13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	423.13	268.54
		For Schedule 80 Or Extra Heavy Fittings, Add	*84.66*	
		For Work In Restricted Working Space, Add	*120.80*	
23 21 13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	690.90	437.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*138.41*	
		For Work In Restricted Working Space, Add	*196.73*	
23 21 13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	698.31	437.35
		For Schedule 80 Or Extra Heavy Fittings, Add	*140.64*	
		For Work In Restricted Working Space, Add	*196.73*	
23 21 13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,043.99	665.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*208.42*	
		For Work In Restricted Working Space, Add	*299.38*	
23 21 13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,057.20	665.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*212.38*	
		For Work In Restricted Working Space, Add	*299.38*	
23 21 13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,237.01	765.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*250.61*	
		For Work In Restricted Working Space, Add	*344.28*	
23 21 13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,231.53	765.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*248.96*	
		For Work In Restricted Working Space, Add	*344.28*	
23 21 13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,300.48	765.45
		For Schedule 80 Or Extra Heavy Fittings, Add	*269.65*	
		For Work In Restricted Working Space, Add	*344.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,454.68	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*295.27*	
		For Work In Restricted Working Space, Add	*403.25*	
23 21 13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,471.23	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*300.23*	
		For Work In Restricted Working Space, Add	*403.25*	
23 21 13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,477.23	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*302.03*	
		For Work In Restricted Working Space, Add	*403.25*	
23 21 13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,652.98	896.51
		For Schedule 80 Or Extra Heavy Fittings, Add	*354.76*	
		For Work In Restricted Working Space, Add	*403.25*	
23 21 13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,737.42	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*356.25*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,798.80	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*374.67*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,852.12	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*390.66*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,058.19	1,047.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*452.48*	
		For Work In Restricted Working Space, Add	*471.35*	
23 21 13 23-0602	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,058.50	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*431.95*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0603	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,058.50	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*431.95*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0604	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,089.11	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*441.14*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0605	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,190.76	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*471.63*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0606	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,611.72	1,179.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*597.92*	
		For Work In Restricted Working Space, Add	*530.27*	
23 21 13 23-0607	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,337.91	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*489.26*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0608	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,416.36	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*512.80*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0609	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,449.22	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*522.66*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0610	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,538.62	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*549.48*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0611	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,566.02	1,347.39
		For Schedule 80 Or Extra Heavy Fittings, Add	*857.70*	
		For Work In Restricted Working Space, Add	*606.02*	
23 21 13 23-0612	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,826.19	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*608.38*	
		For Work In Restricted Working Space, Add	*684.22*	
23 21 13 23-0613	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,826.19	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*608.38*	
		For Work In Restricted Working Space, Add	*684.22*	
23 21 13 23-0614	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,848.58	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*615.10*	
		For Work In Restricted Working Space, Add	*684.22*	
23 21 13 23-0615	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,981.16	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*654.87*	
		For Work In Restricted Working Space, Add	*684.22*	
23 21 13 23-0616	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,211.83	1,521.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*724.07*	
		For Work In Restricted Working Space, Add	*684.22*	
23 21 13 23-0617	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,973.74	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*644.66*	
		For Work In Restricted Working Space, Add	*707.03*	
23 21 13 23-0618	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,987.75	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*648.86*	
		For Work In Restricted Working Space, Add	*707.03*	
23 21 13 23-0619	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,015.14	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*657.08*	
		For Work In Restricted Working Space, Add	*707.03*	
23 21 13 23-0620	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,649.19	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*847.30*	
		For Work In Restricted Working Space, Add	*707.03*	
23 21 13 23-0621	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,774.35	1,572.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*884.84*	
		For Work In Restricted Working Space, Add	*707.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0622		**Welded Plain End Black Steel Caps** *(23 21 13 23-0393)*		
23 21 13 23-0623	EA	1" Standard Weight, Welded Plain End Black Steel Cap	66.60	38.33
		For Work In Restricted Working Space, Add	*17.21*	
		For Schedule 80 Fittings, Add	*12.81*	
23 21 13 23-0624	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	72.91	42.12
		For Work In Restricted Working Space, Add	*18.93*	
		For Schedule 80 Fittings, Add	*13.98*	
23 21 13 23-0625	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	75.78	43.61
		For Work In Restricted Working Space, Add	*19.62*	
		For Schedule 80 Fittings, Add	*14.56*	
23 21 13 23-0626	EA	2" Standard Weight, Welded Plain End Black Steel Cap	94.68	55.89
		For Work In Restricted Working Space, Add	*25.14*	
		For Schedule 80 Fittings, Add	*17.93*	
23 21 13 23-0627	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	112.41	67.36
		For Work In Restricted Working Space, Add	*30.30*	
		For Schedule 80 Fittings, Add	*21.10*	
23 21 13 23-0628	EA	3" Standard Weight, Welded Plain End Black Steel Cap	131.49	77.70
		For Work In Restricted Working Space, Add	*34.95*	
		For Schedule 80 Fittings, Add	*24.88*	
23 21 13 23-0629	EA	4" Standard Weight, Welded Plain End Black Steel Cap	221.27	134.27
		For Work In Restricted Working Space, Add	*60.40*	
		For Schedule 80 Fittings, Add	*41.21*	
23 21 13 23-0630	EA	6" Standard Weight, Welded Plain End Black Steel Cap	370.50	221.84
		For Work In Restricted Working Space, Add	*99.79*	
		For Schedule 80 Fittings, Add	*69.57*	
23 21 13 23-0631	EA	8" Standard Weight, Welded Plain End Black Steel Cap	523.04	311.00
		For Work In Restricted Working Space, Add	*139.87*	
		For Schedule 80 Fittings, Add	*98.63*	
23 21 13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap	688.21	392.60
		For Work In Restricted Working Space, Add	*176.55*	
		For Schedule 80 Fittings, Add	*132.90*	
23 21 13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap	782.35	438.69
		For Work In Restricted Working Space, Add	*197.31*	
		For Schedule 80 Fittings, Add	*152.49*	
23 21 13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap	1,019.91	523.96
		For Work In Restricted Working Space, Add	*235.68*	
		For Schedule 80 Fittings, Add	*207.77*	
23 21 13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,184.48	608.49
		For Work In Restricted Working Space, Add	*273.69*	
		For Schedule 80 Fittings, Add	*241.31*	
23 21 13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,323.09	673.74
		For Work In Restricted Working Space, Add	*303.02*	
		For Schedule 80 Fittings, Add	*270.67*	
23 21 13 23-0637		**150 Lb., Welded Plain End Black Steel Neck Flanges** *(23 21 13 23-0393)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0638	EA	2", 150 Lb., Welded Plain End Black Steel Neck Flange	168.54	86.53
		For 300 Lb. Rating, Add	*40.79*	
		For Work In Restricted Working Space, Add	*38.92*	
23 21 13 23-0639	EA	2-1/2", 150 Lb., Welded Plain End Black Steel Neck Flange	200.69	107.99
		For 300 Lb. Rating, Add	*44.16*	
		For Work In Restricted Working Space, Add	*48.56*	
23 21 13 23-0640	EA	3", 150 Lb., Welded Plain End Black Steel Neck Flange	223.95	123.48
		For 300 Lb. Rating, Add	*46.63*	
		For Work In Restricted Working Space, Add	*55.53*	
23 21 13 23-0641	EA	4", 150 Lb., Welded Plain End Black Steel Neck Flange	293.67	162.85
		For 300 Lb. Rating, Add	*60.29*	
		For Work In Restricted Working Space, Add	*73.25*	
23 21 13 23-0642	EA	6", 150 Lb., Welded Plain End Black Steel Neck Flange	446.35	246.96
		For 300 Lb. Rating, Add	*92.18*	
		For Work In Restricted Working Space, Add	*111.06*	
23 21 13 23-0643	EA	8", 150 Lb., Welded Plain End Black Steel Neck Flange	501.45	254.96
		For 300 Lb. Rating, Add	*123.62*	
		For Work In Restricted Working Space, Add	*114.65*	
23 21 13 23-0644	EA	10" , 150 Lb., Welded Plain End Black Steel Neck Flange	653.61	319.68
		For 300 Lb. Rating, Add	*172.32*	
		For Work In Restricted Working Space, Add	*143.80*	
23 21 13 23-0645	EA	12" , 150 Lb., Welded Plain End Black Steel Neck Flange	797.98	362.76
		For 300 Lb. Rating, Add	*234.98*	
		For Work In Restricted Working Space, Add	*163.16*	
23 21 13 23-0646	EA	14" , 150 Lb., Welded Plain End Black Steel Neck Flange	1,043.45	438.69
		For 300 Lb. Rating, Add	*339.08*	
		For Work In Restricted Working Space, Add	*197.31*	
23 21 13 23-0647	EA	16", 150 Lb., Welded Plain End Black Steel Neck Flange	1,367.05	509.83
		For 300 Lb. Rating, Add	*502.14*	
		For Work In Restricted Working Space, Add	*229.31*	
23 21 13 23-0648	EA	18", 150 Lb., Welded Plain End Black Steel Neck Flange	1,693.70	571.61
		For 300 Lb. Rating, Add	*675.68*	
		For Work In Restricted Working Space, Add	*257.10*	
23 21 13 23-0649	EA	20", 150 Lb., Welded Plain End Black Steel Neck Flange	2,147.46	725.53
		For 300 Lb. Rating, Add	*856.02*	
		For Work In Restricted Working Space, Add	*326.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0650	EA	24", 150 Lb., Welded Plain End Black Steel Neck Flange	2,436.78	786.00
		For 300 Lb. Rating, Add	*1,004.60*	
		For Work In Restricted Working Space, Add	*353.52*	

23 21 13 23-0651 150 Lb., Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0652	EA	2", 150 Lb., Welded Black Steel Slip-On Flanges	122.34	86.53
		For Work In Restricted Working Space, Add	*30.98*	
		For 300 Lb. Rating, Add	*28.00*	
23 21 13 23-0653	EA	2-1/2", 150 Lb., Welded Black Steel Slip-On Flange	150.72	107.99
		For Work In Restricted Working Space, Add	*37.87*	
		For 300 Lb. Rating, Add	*35.29*	
23 21 13 23-0654	EA	3", 150 Lb., Welded Black Steel Slip-On Flange	177.99	123.48
		For Work In Restricted Working Space, Add	*44.75*	
		For 300 Lb. Rating, Add	*41.59*	
23 21 13 23-0655	EA	4", 150 Lb., Welded Black Steel Slip-On Flange	234.39	162.85
		For Work In Restricted Working Space, Add	*58.53*	
		For 300 Lb. Rating, Add	*55.85*	
23 21 13 23-0656	EA	6", 150 Lb., Welded Black Steel Slip-On Flange	347.38	246.96
		For Work In Restricted Working Space, Add	*86.07*	
		For 300 Lb. Rating, Add	*84.56*	
23 21 13 23-0657	EA	8", 150 Lb., Welded Black Steel Slip-On Flange	440.10	254.96
		For Work In Restricted Working Space, Add	*104.42*	
		For 300 Lb. Rating, Add	*119.37*	
23 21 13 23-0658	EA	10", 150 Lb., Welded Black Steel Slip-On Flange	593.96	319.68
		For Work In Restricted Working Space, Add	*130.53*	
		For 300 Lb. Rating, Add	*188.66*	
23 21 13 23-0659	EA	12", 150 Lb., Welded Black Steel Slip-On Flange	772.76	362.76
		For Work In Restricted Working Space, Add	*156.64*	
		For 300 Lb. Rating, Add	*280.40*	
23 21 13 23-0660	EA	14", 150 Lb., Welded Black Steel Slip-On Flange	975.34	438.69
		For Work In Restricted Working Space, Add	*182.74*	
		For 300 Lb. Rating, Add	*393.54*	
23 21 13 23-0661	EA	16", 150 Lb., Welded Black Steel Slip-On Flange	1,167.45	509.83
		For Work In Restricted Working Space, Add	*202.32*	
		For 300 Lb. Rating, Add	*514.56*	
23 21 13 23-0662	EA	18", 150 Lb., Welded Black Steel Slip-On Flange	1,292.49	571.61
		For Work In Restricted Working Space, Add	*221.90*	
		For 300 Lb. Rating, Add	*575.21*	
23 21 13 23-0663	EA	20", 150 Lb., Welded Black Steel Slip-On Flange	1,433.30	725.53
		For Work In Restricted Working Space, Add	*241.48*	
		For 300 Lb. Rating, Add	*650.05*	
23 21 13 23-0664	EA	24", 150 Lb., Welded Black Steel Slip-On Flange	1,641.50	786.00
		For Work In Restricted Working Space, Add	*280.64*	
		For 300 Lb. Rating, Add	*733.66*	

23 21 13 23-0665 150 Lb., Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0666	EA	2", 150 Lb., Forged Steel Blind Flange	83.37	30.74
		For 300 Lb. Rating, Add	*23.97*	
		For Work In Restricted Working Space, Add	*18.44*	
		For 600 Lb. Rating, Add	*61.78*	
23 21 13 23-0667	EA	2-1/2", 150 Lb., Forged Steel Blind Flange	109.28	36.88
		For 300 Lb. Rating, Add	*36.15*	
		For Work In Restricted Working Space, Add	*22.13*	
		For 600 Lb. Rating, Add	*96.29*	
23 21 13 23-0668	EA	3", 150 Lb., Forged Steel Blind Flange	135.10	49.18
		For 300 Lb. Rating, Add	*39.72*	
		For Work In Restricted Working Space, Add	*29.51*	
		For 600 Lb. Rating, Add	*102.93*	
23 21 13 23-0669	EA	4", 150 Lb., Forged Steel Blind Flange	173.58	61.47
		For 300 Lb. Rating, Add	*53.41*	
		For Work In Restricted Working Space, Add	*36.89*	
		For 600 Lb. Rating, Add	*139.95*	
23 21 13 23-0670	EA	6", 150 Lb., Forged Steel Blind Flange	236.56	79.92
		For 300 Lb. Rating, Add	*78.17*	
		For Work In Restricted Working Space, Add	*47.95*	
		For 600 Lb. Rating, Add	*208.13*	
23 21 13 23-0671	EA	8", 150 Lb., Forged Steel Blind Flange	306.13	92.21
		For 300 Lb. Rating, Add	*116.73*	
		For Work In Restricted Working Space, Add	*55.33*	
		For 600 Lb. Rating, Add	*319.77*	
23 21 13 23-0672	EA	10", 150 Lb., Forged Steel Blind Flange	458.98	110.65
		For 300 Lb. Rating, Add	*213.37*	
		For Work In Restricted Working Space, Add	*66.39*	
		For 600 Lb. Rating, Add	*603.60*	
23 21 13 23-0673	EA	12", 150 Lb., Forged Steel Blind Flange	594.58	129.09
		For 300 Lb. Rating, Add	*296.22*	
		For Work In Restricted Working Space, Add	*77.46*	
		For 600 Lb. Rating, Add	*846.06*	
23 21 13 23-0674	EA	14", 150 Lb., Forged Steel Blind Flange	987.68	147.54
		For 300 Lb. Rating, Add	*585.07*	
		For Work In Restricted Working Space, Add	*88.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0675	EA	16", 150 Lb., Forged Steel Blind Flange	1,062.00	165.98
		For 300 Lb. Rating, Add	*618.89*	
		For Work In Restricted Working Space, Add	*99.59*	
23 21 13 23-0676	EA	18", 150 Lb., Forged Steel Blind Flange	1,198.66	202.86
		For 300 Lb. Rating, Add	*676.95*	
		For Work In Restricted Working Space, Add	*121.72*	
23 21 13 23-0677	EA	20", 150 Lb., Forged Steel Blind Flange	1,528.27	221.31
		For 300 Lb. Rating, Add	*915.00*	
		For Work In Restricted Working Space, Add	*132.78*	
23 21 13 23-0678	EA	24", 150 Lb., Forged Steel Blind Flange	2,070.68	258.19
		For 300 Lb. Rating, Add	*1,297.66*	
		For Work In Restricted Working Space, Add	*154.91*	

23 21 13 23-0679 3,000 Lb., Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0680	EA	1/2", 3,000 Lb., Forge Steel Thread-O-Let	79.20	
		For Work In Restricted Working Space, Add	*21.69*	
23 21 13 23-0681	EA	3/4", 3,000 Lb., Forge Steel Thread-O-Let	83.86	
		For Work In Restricted Working Space, Add	*22.73*	
23 21 13 23-0682	EA	1", 3,000 Lb., Forge Steel Thread-O-Let	89.43	
		For Work In Restricted Working Space, Add	*24.10*	
23 21 13 23-0683	EA	1-1/4", 3,000 Lb., Forge Steel Thread-O-Let	98.97	
		For Work In Restricted Working Space, Add	*25.82*	
23 21 13 23-0684	EA	1-1/2", 3,000 Lb., Forge Steel Thread-O-Let	111.10	
		For Work In Restricted Working Space, Add	*29.27*	
23 21 13 23-0685	EA	2", 3,000 Lb., Forge Steel Thread-O-Let	143.65	
		For Work In Restricted Working Space, Add	*38.26*	
23 21 13 23-0686	EA	2-1/2", 3,000 Lb., Forge Steel Thread-O-Let	222.49	
		For Work In Restricted Working Space, Add	*49.18*	
23 21 13 23-0687	EA	3", 3,000 Lb., Forge Steel Thread-O-Let	306.97	
		For Work In Restricted Working Space, Add	*68.86*	
23 21 13 23-0688	EA	4", 3,000 Lb., Forge Steel Thread-O-Let	407.94	
		For Work In Restricted Working Space, Add	*86.07*	

23 21 13 23-0689 3,000 Lb., Forge Steel Weld-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0690	EA	1/2", 3,000 Lb., Forge Steel Weld-O-Let	91.82	
		For Work In Restricted Working Space, Add	*25.03*	
23 21 13 23-0691	EA	3/4", 3,000 Lb., Forge Steel Weld-O-Let	97.30	
		For Work In Restricted Working Space, Add	*26.24*	
23 21 13 23-0692	EA	1", 3,000 Lb., Forge Steel Weld-O-Let	102.86	
		For Work In Restricted Working Space, Add	*27.54*	
23 21 13 23-0693	EA	1-1/4", 3,000 Lb., Forge Steel Weld-O-Let	117.69	
		For Work In Restricted Working Space, Add	*30.61*	
23 21 13 23-0694	EA	1-1/2", 3,000 Lb., Forge Steel Weld-O-Let	131.21	
		For Work In Restricted Working Space, Add	*34.43*	
23 21 13 23-0695	EA	2", 3,000 Lb., Forge Steel Weld-O-Let	175.17	
		For Work In Restricted Working Space, Add	*45.89*	
23 21 13 23-0696	EA	2-1/2", 3,000 Lb., Forge Steel Weld-O-Let	254.73	
		For Work In Restricted Working Space, Add	*55.09*	
23 21 13 23-0697	EA	3", 3,000 Lb., Forge Steel Weld-O-Let	335.07	
		For Work In Restricted Working Space, Add	*72.30*	
23 21 13 23-0698	EA	4", 3,000 Lb., Forge Steel Weld-O-Let	453.11	
		For Work In Restricted Working Space, Add	*91.82*	
23 21 13 23-0699	EA	6", 3,000 Lb., Forge Steel Weld-O-Let	654.07	
		For Work In Restricted Working Space, Add	*137.71*	
23 21 13 23-0700	EA	8", 3,000 Lb., Forge Steel Weld-O-Let	981.04	
		For Work In Restricted Working Space, Add	*183.61*	
23 21 13 23-0701	EA	10", 3,000 Lb., Forge Steel Weld-O-Let	1,230.91	
		For Work In Restricted Working Space, Add	*211.87*	
23 21 13 23-0702	EA	12", 3,000 Lb., Forge Steel Weld-O-Let	1,831.21	
		For Work In Restricted Working Space, Add	*250.40*	

23 21 13 23-0703 3,000 Lb., Forge Steel Sock-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0704	EA	1/2", 3,000 Lb., Forge Steel Sock-O-Let	108.30	
		For Work In Restricted Working Space, Add	*29.92*	
23 21 13 23-0705	EA	3/4", 3,000 Lb., Forge Steel Sock-O-Let	114.61	
		For Work In Restricted Working Space, Add	*31.37*	
23 21 13 23-0706	EA	1", 3,000 Lb., Forge Steel Sock-O-Let	122.14	
		For Work In Restricted Working Space, Add	*33.26*	
23 21 13 23-0707	EA	1-1/4", 3,000 Lb., Forge Steel Sock-O-Let	134.78	
		For Work In Restricted Working Space, Add	*35.63*	
23 21 13 23-0708	EA	1-1/2", 3,000 Lb., Forge Steel Sock-O-Let	151.41	
		For Work In Restricted Working Space, Add	*40.38*	
23 21 13 23-0709	EA	2", 3,000 Lb., Forge Steel Sock-O-Let	196.91	
		For Work In Restricted Working Space, Add	*52.78*	
23 21 13 23-0710	EA	2-1/2", 3,000 Lb., Forge Steel Sock-O-Let	298.79	
		For Work In Restricted Working Space, Add	*67.86*	
23 21 13 23-0711	EA	3", 3,000 Lb., Forge Steel Sock-O-Let	412.78	
		For Work In Restricted Working Space, Add	*95.02*	
23 21 13 23-0712	EA	4", 3,000 Lb., Forge Steel Sock-O-Let	546.02	
		For Work In Restricted Working Space, Add	*118.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0713		Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*		
		Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21 13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	13.83	
		Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*3.87*	
		For Hot Dip Galvanized, Add	*5.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.68*	
23 21 13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.51	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.90*	
		For Hot Dip Galvanized, Add	*7.00*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.26*	
23 21 13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.72	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.96*	
		For Hot Dip Galvanized, Add	*7.09*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.40*	
23 21 13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	17.82	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*4.99*	
		For Hot Dip Galvanized, Add	*7.13*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.47*	
23 21 13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	41.23	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*11.54*	
		For Hot Dip Galvanized, Add	*16.49*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.86*	
23 21 13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	56.32	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*15.77*	
		For Hot Dip Galvanized, Add	*22.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*39.42*	
23 21 13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	63.71	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*17.84*	
		For Hot Dip Galvanized, Add	*25.48*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.60*	
23 21 13 23-0721	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	70.64	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*19.78*	
		For Hot Dip Galvanized, Add	*28.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*49.45*	
23 21 13 23-0722	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	153.19	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*42.89*	
		For Hot Dip Galvanized, Add	*61.28*	
		For Advanced Fluoropolymer (Blue Coating), Add	*107.23*	
23 21 13 23-0723	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	158.11	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*44.27*	
		For Hot Dip Galvanized, Add	*63.24*	
		For Advanced Fluoropolymer (Blue Coating), Add	*110.68*	
23 21 13 23-0724	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	177.56	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*49.72*	
		For Hot Dip Galvanized, Add	*71.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*124.29*	
23 21 13 23-0725	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	290.66	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*81.38*	
		For Hot Dip Galvanized, Add	*116.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*203.46*	
23 21 13 23-0726	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	415.15	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*116.24*	
		For Hot Dip Galvanized, Add	*166.06*	
		For Advanced Fluoropolymer (Blue Coating), Add	*290.61*	
23 21 13 23-0727	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	524.93	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*146.98*	
		For Hot Dip Galvanized, Add	*209.97*	
		For Advanced Fluoropolymer (Blue Coating), Add	*367.45*	
23 21 13 23-0728	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	744.41	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*208.43*	
		For Hot Dip Galvanized, Add	*297.76*	
		For Advanced Fluoropolymer (Blue Coating), Add	*521.09*	
23 21 13 23-0729	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,173.76	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*328.65*	
		For Hot Dip Galvanized, Add	*469.50*	
		For Advanced Fluoropolymer (Blue Coating), Add	*821.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0730	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.	1,628.17	
		For Zinc Plated, Add	*455.89*	
		For Hot Dip Galvanized, Add	*651.27*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,139.72*	

23 21 13 23-0731 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0732	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	22.63	
		For Zinc Plated, Add	*6.34*	
		For Hot Dip Galvanized, Add	*9.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*15.84*	
23 21 13 23-0733	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	40.82	
		For Zinc Plated, Add	*11.43*	
		For Hot Dip Galvanized, Add	*16.33*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.57*	
23 21 13 23-0734	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	63.07	
		For Zinc Plated, Add	*17.66*	
		For Hot Dip Galvanized, Add	*25.23*	
		For Advanced Fluoropolymer (Blue Coating), Add	*44.15*	
23 21 13 23-0735	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	68.53	
		For Zinc Plated, Add	*19.19*	
		For Hot Dip Galvanized, Add	*27.41*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.97*	
23 21 13 23-0736	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	75.38	
		For Zinc Plated, Add	*21.11*	
		For Hot Dip Galvanized, Add	*30.15*	
		For Advanced Fluoropolymer (Blue Coating), Add	*52.77*	
23 21 13 23-0737	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	86.32	
		For Zinc Plated, Add	*24.17*	
		For Hot Dip Galvanized, Add	*34.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*60.42*	
23 21 13 23-0738	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.	118.83	
		For Zinc Plated, Add	*33.27*	
		For Hot Dip Galvanized, Add	*47.53*	
		For Advanced Fluoropolymer (Blue Coating), Add	*83.18*	
23 21 13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	182.69	
		For Zinc Plated, Add	*51.15*	
		For Hot Dip Galvanized, Add	*73.08*	
		For Advanced Fluoropolymer (Blue Coating), Add	*127.88*	
23 21 13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	324.44	
		For Zinc Plated, Add	*90.84*	
		For Hot Dip Galvanized, Add	*129.78*	
		For Advanced Fluoropolymer (Blue Coating), Add	*227.11*	
23 21 13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	462.85	
		For Zinc Plated, Add	*129.60*	
		For Hot Dip Galvanized, Add	*185.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*324.00*	
23 21 13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	629.98	
		For Zinc Plated, Add	*176.39*	
		For Hot Dip Galvanized, Add	*251.99*	
		For Advanced Fluoropolymer (Blue Coating), Add	*440.99*	
23 21 13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	863.14	
		For Zinc Plated, Add	*241.68*	
		For Hot Dip Galvanized, Add	*345.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*604.20*	
23 21 13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,112.34	
		For Zinc Plated, Add	*311.46*	
		For Hot Dip Galvanized, Add	*444.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*778.64*	
23 21 13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.	1,184.06	
		For Zinc Plated, Add	*331.54*	
		For Hot Dip Galvanized, Add	*473.62*	
		For Advanced Fluoropolymer (Blue Coating), Add	*828.84*	
23 21 13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.	1,508.77	
		For Zinc Plated, Add	*422.46*	
		For Hot Dip Galvanized, Add	*603.51*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,056.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.	2,386.48	
		For Zinc Plated, Add	*668.21*	
		For Hot Dip Galvanized, Add	*954.59*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,670.54*	
23 21 13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.	3,420.62	
		For Zinc Plated, Add	*957.77*	
		For Hot Dip Galvanized, Add	*1,368.25*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,394.43*	

23 21 13 23-0749 Class 150 Flange, Stainless Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0750	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	13.83
23 21 13 23-0751	EA	2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.77
23 21 13 23-0752	EA	2-1/2" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.88
23 21 13 23-0753	EA	3" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	44.98
23 21 13 23-0754	EA	4" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	96.38
23 21 13 23-0755	EA	5" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	120.12
23 21 13 23-0756	EA	6" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	138.32
23 21 13 23-0757	EA	8" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	140.27
23 21 13 23-0758	EA	10" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	356.91
23 21 13 23-0759	EA	12" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	360.59
23 21 13 23-0760	EA	14" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.	542.26
23 21 13 23-0761	EA	16" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.	721.43
23 21 13 23-0762	EA	18" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.	1,854.58
23 21 13 23-0763	EA	20" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.	2,150.78
23 21 13 23-0764	EA	24" Pipe Diameter, Class 150 Flange, Stainless Steel Bolt And Gasket Set Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.	2,484.71

23 21 13 23-0765 150 Lb., Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. rubber gasket and rebolting.

23 21 13 23-0766	EA	1/2", 150 Lb., Rubber Flange Gasket Replacement	34.67
		For 300 Lb. Rating Gasket Set, Add	*0.25*
		For Work In Restricted Working Space, Add	*10.19*
23 21 13 23-0767	EA	3/4", 150 Lb., Rubber Flange Gasket Replacement	37.17
		For 300 Lb. Rating Gasket Set, Add	*0.33*
		For Work In Restricted Working Space, Add	*10.87*
23 21 13 23-0768	EA	1", 150 Lb., Rubber Flange Gasket Replacement	41.27
		For 300 Lb. Rating Gasket Set, Add	*0.57*
		For Work In Restricted Working Space, Add	*11.89*
23 21 13 23-0769	EA	1-1/4", 150 Lb., Rubber Flange Gasket Replacement	44.90
		For 300 Lb. Rating Gasket Set, Add	*0.65*
		For Work In Restricted Working Space, Add	*12.91*
23 21 13 23-0770	EA	1-1/2", 150 Lb., Rubber Flange Gasket Replacement	49.89
		For 300 Lb. Rating Gasket Set, Add	*0.82*
		For Work In Restricted Working Space, Add	*14.27*
23 21 13 23-0771	EA	2", 150 Lb., Rubber Flange Gasket Replacement	55.36
		For 300 Lb. Rating Gasket Set, Add	*1.14*
		For Work In Restricted Working Space, Add	*15.63*
23 21 13 23-0772	EA	2-1/2", 150 Lb., Rubber Flange Gasket Replacement	65.58
		For 300 Lb. Rating Gasket Set, Add	*1.55*
		For Work In Restricted Working Space, Add	*18.34*
23 21 13 23-0773	EA	3", 150 Lb., Rubber Flange Gasket Replacement	69.69
		For 300 Lb. Rating Gasket Set, Add	*1.80*
		For Work In Restricted Working Space, Add	*19.36*
23 21 13 23-0774	EA	4", 150 Lb., Rubber Flange Gasket Replacement	93.34
		For 300 Lb. Rating Gasket Set, Add	*2.95*
		For Work In Restricted Working Space, Add	*25.48*
23 21 13 23-0775	EA	5", 150 Lb., Rubber Flange Gasket Replacement	107.87
		For 300 Lb. Rating Gasket Set, Add	*3.28*
		For Work In Restricted Working Space, Add	*29.55*
23 21 13 23-0776	EA	6", 150 Lb., Rubber Flange Gasket Replacement	124.26
		For 300 Lb. Rating Gasket Set, Add	*4.26*
		For Work In Restricted Working Space, Add	*33.63*
23 21 13 23-0777	EA	8", 150 Lb., Rubber Flange Gasket Replacement	153.66
		For 300 Lb. Rating Gasket Set, Add	*6.22*
		For Work In Restricted Working Space, Add	*40.76*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0778	EA	10", 150 Lb., Rubber Flange Gasket Replacement	170.19	
		For 300 Lb. Rating Gasket Set, Add	*8.84*	
		For Work In Restricted Working Space, Add	*43.48*	
23 21 13 23-0779	EA	12", 150 Lb., Rubber Flange Gasket Replacement	196.47	
		For 300 Lb. Rating Gasket Set, Add	*11.30*	
		For Work In Restricted Working Space, Add	*49.26*	
23 21 13 23-0780	EA	14", 150 Lb., Rubber Flange Gasket Replacement	208.44	
		For 300 Lb. Rating Gasket Set, Add	*13.51*	
		For Work In Restricted Working Space, Add	*50.96*	
23 21 13 23-0781	EA	16", 150 Lb., Rubber Flange Gasket Replacement	269.50	
		For 300 Lb. Rating Gasket Set, Add	*15.06*	
		For Work In Restricted Working Space, Add	*67.94*	
23 21 13 23-0782	EA	18", 150 Lb., Rubber Flange Gasket Replacement	292.87	
		For 300 Lb. Rating Gasket Set, Add	*15.72*	
		For Work In Restricted Working Space, Add	*74.39*	
23 21 13 23-0783	EA	20", 150 Lb., Rubber Flange Gasket Replacement	350.47	
		For 300 Lb. Rating Gasket Set, Add	*16.86*	
		For Work In Restricted Working Space, Add	*90.69*	

23 21 13 23-0784 150 Lb., Spiral Wound Metal Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.

23 21 13 23-0785	EA	1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	38.73	
		For Work In Restricted Working Space, Add	*10.19*	
		For 300 Lb., Add	*0.36*	
23 21 13 23-0786	EA	3/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	41.06	
		For Work In Restricted Working Space, Add	*10.87*	
		For 300 Lb., Add	*0.36*	
23 21 13 23-0787	EA	1", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	44.51	
		For Work In Restricted Working Space, Add	*11.89*	
		For 300 Lb., Add	*0.37*	
23 21 13 23-0788	EA	1-1/4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	48.65	
		For Work In Restricted Working Space, Add	*12.91*	
		For 300 Lb., Add	*0.42*	
23 21 13 23-0789	EA	1-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	53.29	
		For Work In Restricted Working Space, Add	*14.27*	
		For 300 Lb., Add	*0.43*	
23 21 13 23-0790	EA	2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	58.10	
		For Work In Restricted Working Space, Add	*15.63*	
		For 300 Lb., Add	*0.45*	
23 21 13 23-0791	EA	2-1/2", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	67.67	
		For Work In Restricted Working Space, Add	*18.34*	
		For 300 Lb., Add	*0.49*	
23 21 13 23-0792	EA	3", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	71.60	
		For Work In Restricted Working Space, Add	*19.36*	
		For 300 Lb., Add	*0.53*	
23 21 13 23-0793	EA	4", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	93.94	
		For Work In Restricted Working Space, Add	*25.48*	
		For 300 Lb., Add	*0.68*	
23 21 13 23-0794	EA	5", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	109.64	
		For Work In Restricted Working Space, Add	*29.55*	
		For 300 Lb., Add	*0.84*	
23 21 13 23-0795	EA	6", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	124.48	
		For Work In Restricted Working Space, Add	*33.63*	
		For 300 Lb., Add	*0.93*	
23 21 13 23-0796	EA	8", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	150.66	
		For Work In Restricted Working Space, Add	*40.77*	
		For 300 Lb., Add	*1.11*	
23 21 13 23-0797	EA	10", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	165.30	
		For Work In Restricted Working Space, Add	*43.48*	
		For 300 Lb., Add	*1.53*	
23 21 13 23-0798	EA	12", 150 Lb., Spiral Wound Metal Flange Gasket Replacement	194.87	
		For Work In Restricted Working Space, Add	*49.26*	
		For 300 Lb., Add	*2.30*	

23 21 13 23-0799 150 Lb., Flexible Graphite Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.

23 21 13 23-0800	EA	1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	34.93	
		For Work In Restricted Working Space, Add	*10.19*	
23 21 13 23-0801	EA	3/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	37.81	
		For Work In Restricted Working Space, Add	*10.87*	
23 21 13 23-0802	EA	1", 150 Lb., Flexible Graphite Flange Gasket Replacement	41.45	
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-0803	EA	1-1/4", 150 Lb., Flexible Graphite Flange Gasket Replacement	45.61	
		For Work In Restricted Working Space, Add	*12.91*	
23 21 13 23-0804	EA	1-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	50.30	
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-0805	EA	2", 150 Lb., Flexible Graphite Flange Gasket Replacement	55.70	
		For Work In Restricted Working Space, Add	*15.63*	
23 21 13 23-0806	EA	2-1/2", 150 Lb., Flexible Graphite Flange Gasket Replacement	66.02	
		For Work In Restricted Working Space, Add	*18.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0807	EA	3", 150 Lb., Flexible Graphite Flange Gasket Replacement	69.68	
		For Work In Restricted Working Space, Add	*19.36*	
23 21 13 23-0808	EA	4", 150 Lb., Flexible Graphite Flange Gasket Replacement	93.25	
		For Work In Restricted Working Space, Add	*25.48*	
23 21 13 23-0809	EA	5", 150 Lb., Flexible Graphite Flange Gasket Replacement	108.42	
		For Work In Restricted Working Space, Add	*29.55*	
23 21 13 23-0810	EA	6", 150 Lb., Flexible Graphite Flange Gasket Replacement	123.16	
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-0811	EA	8", 150 Lb., Flexible Graphite Flange Gasket Replacement	154.49	
		For Work In Restricted Working Space, Add	*40.77*	
23 21 13 23-0812	EA	10", 150 Lb., Flexible Graphite Flange Gasket Replacement	171.93	
		For Work In Restricted Working Space, Add	*43.48*	
23 21 13 23-0813	EA	12", 150 Lb., Flexible Graphite Flange Gasket Replacement	197.58	
		For Work In Restricted Working Space, Add	*49.26*	

23 21 13 23-0814 150 Lb., Teflon, Spiral Wound, Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 Lb. spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.

23 21 13 23-0815	EA	1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	54.89	
		For Work In Restricted Working Space, Add	*10.19*	
23 21 13 23-0816	EA	3/4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	58.58	
		For Work In Restricted Working Space, Add	*10.87*	
23 21 13 23-0817	EA	1", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	63.44	
		For Work In Restricted Working Space, Add	*11.89*	
23 21 13 23-0818	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement	71.86	
		For Work In Restricted Working Space, Add	*12.91*	
23 21 13 23-0819	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement	77.34	
		For Work In Restricted Working Space, Add	*14.27*	
23 21 13 23-0820	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement	84.36	
		For Work In Restricted Working Space, Add	*15.63*	
23 21 13 23-0821	EA	2-1/2", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	98.03	
		For Work In Restricted Working Space, Add	*18.34*	
23 21 13 23-0822	EA	3", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	111.35	
		For Work In Restricted Working Space, Add	*19.36*	
23 21 13 23-0823	EA	4", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	140.65	
		For Work In Restricted Working Space, Add	*25.48*	
23 21 13 23-0824	EA	5", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	167.92	
		For Work In Restricted Working Space, Add	*29.55*	
23 21 13 23-0825	EA	6", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	219.70	
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-0826	EA	8", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	242.16	
		For Work In Restricted Working Space, Add	*40.77*	
23 21 13 23-0827	EA	10", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	275.65	
		For Work In Restricted Working Space, Add	*43.48*	
23 21 13 23-0828	EA	12", 150 Lb. Teflon, Spiral Wound, Flange Gasket Replacement	361.62	
		For Work In Restricted Working Space, Add	*49.26*	

23 21 13 23-0829 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0830	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.58	
		For Work In Restricted Working Space, Add	*7.37*	
23 21 13 23-0831	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	26.55	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0832	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.86	
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-0833	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.34	
		For Work In Restricted Working Space, Add	*9.40*	
23 21 13 23-0834	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	33.18	
		For Work In Restricted Working Space, Add	*9.95*	
23 21 13 23-0835	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	35.64	
		For Work In Restricted Working Space, Add	*10.69*	
23 21 13 23-0836	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	38.11	
		For Work In Restricted Working Space, Add	*11.43*	
23 21 13 23-0837	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	41.79	
		For Work In Restricted Working Space, Add	*12.54*	
23 21 13 23-0838	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	45.47	
		For Work In Restricted Working Space, Add	*13.64*	
23 21 13 23-0839	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	49.16	
		For Work In Restricted Working Space, Add	*14.75*	
23 21 13 23-0840	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	52.85	
		For Work In Restricted Working Space, Add	*15.86*	
23 21 13 23-0841	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	57.76	
		For Work In Restricted Working Space, Add	*17.33*	
23 21 13 23-0842	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	62.68	
		For Work In Restricted Working Space, Add	*18.80*	
23 21 13 23-0843	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	67.60	
		For Work In Restricted Working Space, Add	*20.28*	
23 21 13 23-0844	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	72.51	
		For Work In Restricted Working Space, Add	*21.75*	
23 21 13 23-0845	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	76.20	
		For Work In Restricted Working Space, Add	*22.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0846	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	79.88	
		For Work In Restricted Working Space, Add	*23.96*	
23 21 13 23-0847	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	84.80	
		For Work In Restricted Working Space, Add	*25.44*	

23 21 13 23-0848 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0849	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	28.02	12.62
		For Work In Restricted Working Space, Add	*6.20*	
23 21 13 23-0850	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	31.96	13.77
		For Work In Restricted Working Space, Add	*6.20*	
23 21 13 23-0851	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	34.18	13.54
		For Work In Restricted Working Space, Add	*6.08*	
23 21 13 23-0852	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	42.62	17.22
		For Work In Restricted Working Space, Add	*7.74*	
23 21 13 23-0853	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	70.77	25.48
		For Work In Restricted Working Space, Add	*11.45*	
23 21 13 23-0854	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	90.60	29.70
		For Work In Restricted Working Space, Add	*13.38*	
23 21 13 23-0855	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	123.82	36.99
		For Work In Restricted Working Space, Add	*16.64*	
23 21 13 23-0856	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	150.44	44.60
		For Work In Restricted Working Space, Add	*20.06*	
23 21 13 23-0857	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	191.66	57.87
		For Work In Restricted Working Space, Add	*26.03*	

23 21 13 23-0858 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.

23 21 13 23-0859 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0858)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.

23 21 13 23-0860 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0861	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	320.42	52.85
		For Extra Heavy Weight Fittings, Add	*289.44*	
		For Galvanized Fittings, Add	*192.96*	
23 21 13 23-0862	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	357.35	58.85
		For Extra Heavy Weight Fittings, Add	*322.90*	
		For Galvanized Fittings, Add	*215.26*	
23 21 13 23-0863	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	359.13	64.96
		For Extra Heavy Weight Fittings, Add	*314.17*	
		For Galvanized Fittings, Add	*209.45*	
23 21 13 23-0864	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	451.34	75.48
		For Extra Heavy Weight Fittings, Add	*405.80*	
		For Galvanized Fittings, Add	*270.54*	
23 21 13 23-0865	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	617.64	84.53
		For Extra Heavy Weight Fittings, Add	*589.07*	
		For Galvanized Fittings, Add	*392.71*	
23 21 13 23-0866	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	658.60	98.12
		For Extra Heavy Weight Fittings, Add	*613.79*	
		For Galvanized Fittings, Add	*409.19*	
23 21 13 23-0867	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	825.59	108.64
		For Extra Heavy Weight Fittings, Add	*795.16*	
		For Galvanized Fittings, Add	*530.10*	

23 21 13 23-0868 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0869	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	571.00	55.91
		For Extra Heavy Weight Fittings, Add	*584.70*	
		For Galvanized Fittings, Add	*389.80*	
23 21 13 23-0870	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	597.02	61.91
		For Extra Heavy Weight Fittings, Add	*605.06*	
		For Galvanized Fittings, Add	*403.38*	
23 21 13 23-0871	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	739.16	70.16
		For Extra Heavy Weight Fittings, Add	*760.69*	
		For Galvanized Fittings, Add	*507.13*	
23 21 13 23-0872	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	907.15	74.70
		For Extra Heavy Weight Fittings, Add	*954.14*	
		For Galvanized Fittings, Add	*636.10*	
23 21 13 23-0873	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,034.35	86.80
		For Extra Heavy Weight Fittings, Add	*1,085.04*	
		For Galvanized Fittings, Add	*723.36*	
23 21 13 23-0874	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,431.35	103.43
		For Extra Heavy Weight Fittings, Add	*1,531.57*	
		For Galvanized Fittings, Add	*1,021.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0875 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0859)*

23 21 13 23-0876	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	407.69	52.85
		For Extra Heavy Weight Fittings, Add	*394.16*	
		For Galvanized Fittings, Add	*262.78*	
23 21 13 23-0877	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	427.65	58.85
		For Extra Heavy Weight Fittings, Add	*407.26*	
		For Galvanized Fittings, Add	*271.50*	
23 21 13 23-0878	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	446.40	64.96
		For Extra Heavy Weight Fittings, Add	*418.90*	
		For Galvanized Fittings, Add	*279.26*	
23 21 13 23-0879	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	553.15	75.48
		For Extra Heavy Weight Fittings, Add	*527.98*	
		For Galvanized Fittings, Add	*351.98*	
23 21 13 23-0880	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	782.48	84.53
		For Extra Heavy Weight Fittings, Add	*786.88*	
		For Galvanized Fittings, Add	*524.58*	
23 21 13 23-0881	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	772.54	98.12
		For Extra Heavy Weight Fittings, Add	*750.52*	
		For Galvanized Fittings, Add	*500.34*	
23 21 13 23-0882	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	906.73	108.64
		For Extra Heavy Weight Fittings, Add	*892.52*	
		For Galvanized Fittings, Add	*595.02*	

23 21 13 23-0883 Flanged Steel, Tees *(23 21 13 23-0859)*

23 21 13 23-0884	EA	2" Standard Weight, Flanged Steel, Tee	418.21	79.22
		For Extra Heavy Weight Fittings, Add	*359.26*	
		For Galvanized Fittings, Add	*239.50*	
23 21 13 23-0885	EA	2-1/2" Standard Weight, Flanged Steel, Tee	531.17	88.27
		For Extra Heavy Weight Fittings, Add	*478.52*	
		For Galvanized Fittings, Add	*319.02*	
23 21 13 23-0886	EA	3" Standard Weight, Flanged Steel, Tee	495.07	97.32
		For Extra Heavy Weight Fittings, Add	*418.90*	
		For Galvanized Fittings, Add	*279.26*	
23 21 13 23-0887	EA	4" Standard Weight, Flanged Steel, Tee	690.93	113.28
		For Extra Heavy Weight Fittings, Add	*625.42*	
		For Galvanized Fittings, Add	*416.94*	
23 21 13 23-0888	EA	5" Standard Weight, Flanged Steel, Tee	1,000.23	126.86
		For Extra Heavy Weight Fittings, Add	*972.13*	
		For Galvanized Fittings, Add	*648.09*	
23 21 13 23-0889	EA	6" Standard Weight, Flanged Steel, Tee	1,215.94	147.24
		For Extra Heavy Weight Fittings, Add	*1,194.32*	
		For Galvanized Fittings, Add	*796.22*	
23 21 13 23-0890	EA	8" Standard Weight, Flanged Steel, Tee	1,351.12	170.55
		For Extra Heavy Weight Fittings, Add	*1,314.43*	
		For Galvanized Fittings, Add	*876.29*	

23 21 13 23-0891 Flanged Steel, Reducing Tees *(23 21 13 23-0859)*

23 21 13 23-0892	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	635.74	85.33
		For Extra Heavy Weight Fittings, Add	*609.43*	
		For Galvanized Fittings, Add	*406.29*	
23 21 13 23-0893	EA	3" Standard Weight, Flanged Steel, Reducing Tee	731.75	94.38
		For Extra Heavy Weight Fittings, Add	*708.34*	
		For Galvanized Fittings, Add	*472.22*	
23 21 13 23-0894	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,224.74	107.96
		For Extra Heavy Weight Fittings, Add	*1,275.49*	
		For Galvanized Fittings, Add	*850.33*	
23 21 13 23-0895	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,327.38	122.33
		For Extra Heavy Weight Fittings, Add	*1,372.86*	
		For Galvanized Fittings, Add	*915.24*	
23 21 13 23-0896	EA	6" Standard Weight, Flanged Steel, Reducing Tee	1,660.16	140.44
		For Extra Heavy Weight Fittings, Add	*1,739.60*	
		For Galvanized Fittings, Add	*1,159.74*	
23 21 13 23-0897	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,061.89	157.76
		For Extra Heavy Weight Fittings, Add	*2,190.44*	
		For Galvanized Fittings, Add	*1,460.30*	

23 21 13 23-0898 Flanged Steel, Concentric Reducers *(23 21 13 23-0859)*

23 21 13 23-0899	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	589.75	61.91
		For Extra Heavy Weight Fittings, Add	*596.34*	
		For Galvanized Fittings, Add	*397.56*	
23 21 13 23-0900	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	670.07	70.16
		For Extra Heavy Weight Fittings, Add	*677.78*	
		For Galvanized Fittings, Add	*451.86*	
23 21 13 23-0901	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	979.32	80.01
		For Extra Heavy Weight Fittings, Add	*1,031.23*	
		For Galvanized Fittings, Add	*687.49*	
23 21 13 23-0902	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,079.20	86.80
		For Extra Heavy Weight Fittings, Add	*1,138.86*	
		For Galvanized Fittings, Add	*759.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0903	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,265.29	103.43
		For Extra Heavy Weight Fittings, Add	*1,332.30*	
		For Galvanized Fittings, Add	*888.20*	
23 21 13 23-0904		**Flanged Steel, Eccentric Reducers** *(23 21 13 23-0859)*		
23 21 13 23-0905	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	639.53	70.16
		For Extra Heavy Weight Fittings, Add	*641.14*	
		For Galvanized Fittings, Add	*427.42*	
23 21 13 23-0906	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	859.81	80.01
		For Extra Heavy Weight Fittings, Add	*887.82*	
		For Galvanized Fittings, Add	*591.88*	
23 21 13 23-0907		**Plain End Couplings And Fittings** *(23 21 13 23)*		
		Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21 13 23-0908		**Plain End Piping System Couplings** *(23 21 13 23-0907)*		
23 21 13 23-0909		**Plainlock Plain End Piping System Couplings** *(23 21 13 23-0908)*		
		Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0910	EA	1" Plainlock Plain End Piping System Coupling	151.20	6.79
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0911	EA	1-1/2" Plainlock Plain End Piping System Coupling	155.16	9.39
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0912	EA	2" Plainlock Plain End Piping System Coupling	159.75	12.45
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0913	EA	2-1/2" Plainlock Plain End Piping System Coupling	163.66	15.05
		For Galvanized Fittings, Add	*28.20*	
23 21 13 23-0914	EA	3" Plainlock Plain End Piping System Coupling	193.59	18.10
		For Galvanized Fittings, Add	*33.29*	
23 21 13 23-0915	EA	4" Plainlock Plain End Piping System Coupling	266.79	24.11
		For Galvanized Fittings, Add	*46.12*	
23 21 13 23-0916	EA	6" Plainlock Plain End Piping System Coupling	448.21	39.27
		For Galvanized Fittings, Add	*77.87*	
23 21 13 23-0917		**Roust-A-Bout Plain End Piping System Couplings** *(23 21 13 23-0908)*		
		Note: Ductile iron body with gasket, bolts and nuts.		
23 21 13 23-0918	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	182.55	9.39
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0919	EA	2" Roust-A-Bout Plain End Piping System Coupling	187.14	12.45
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0920	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	191.06	15.16
		For Galvanized Fittings, Add	*42.10*	
23 21 13 23-0921	EA	3" Roust-A-Bout Plain End Piping System Coupling	276.60	18.10
		For Galvanized Fittings, Add	*62.36*	
23 21 13 23-0922	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	320.41	21.17
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0923	EA	4" Roust-A-Bout Plain End Piping System Coupling	324.89	24.11
		For Galvanized Fittings, Add	*72.17*	
23 21 13 23-0924	EA	5" Roust-A-Bout Plain End Piping System Coupling	457.73	30.22
		For Galvanized Fittings, Add	*103.11*	
23 21 13 23-0925	EA	6" Roust-A-Bout Plain End Piping System Coupling	562.59	39.27
		For Galvanized Fittings, Add	*125.93*	
23 21 13 23-0926	EA	8" Roust-A-Bout Plain End Piping System Coupling	963.42	46.85
		For Galvanized Fittings, Add	*223.30*	
23 21 13 23-0927	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,245.23	55.45
		For Galvanized Fittings, Add	*290.51*	
23 21 13 23-0928	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,556.57	65.64
		For Galvanized Fittings, Add	*364.53*	
23 21 13 23-0929	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,179.34	72.54
		For Galvanized Fittings, Add	*517.63*	
23 21 13 23-0930	EA	16" Roust-A-Bout Plain End Piping System Coupling	2,958.42	82.05
		For Galvanized Fittings, Add	*708.85*	
23 21 13 23-0931		**Plain End Piping System Fittings** *(23 21 13 23-0907)*		
		Note: Cast ductile iron bodies.		
23 21 13 23-0932		**Plain End Piping System, 90 Degree Elbows** *(23 21 13 23-0931)*		
23 21 13 23-0933	EA	1" Plain End Piping System, 90 Degree Elbow	151.61	12.34
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0934	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	161.13	18.67
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0935	EA	2" Plain End Piping System, 90 Degree Elbow	170.11	24.67
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0936	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	178.17	30.11
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0937	EA	3" Plain End Piping System, 90 Degree Elbow	214.51	36.44
		For Galvanized Fittings, Add	*31.98*	
23 21 13 23-0938	EA	4" Plain End Piping System, 90 Degree Elbow	305.16	47.98
		For Galvanized Fittings, Add	*46.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0939	EA	5" Plain End Piping System, 90 Degree Elbow	897.19	60.09
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0940	EA	6" Plain End Piping System, 90 Degree Elbow	759.65	78.65
		For Galvanized Fittings, Add	*128.35*	
23 21 13 23-0941	EA	8" Plain End Piping System, 90 Degree Elbow	1,495.53	93.36
		For Galvanized Fittings, Add	*271.09*	
23 21 13 23-0942	EA	10" Plain End Piping System, 90 Degree Elbow	1,867.16	109.09
		For Galvanized Fittings, Add	*340.72*	
23 21 13 23-0943	EA	12" Plain End Piping System, 90 Degree Elbow	2,365.57	131.05
		For Galvanized Fittings, Add	*433.82*	
23 21 13 23-0944		**Plain End Piping System, 45 Degree Elbows** *(23 21 13 23-0931)*		
23 21 13 23-0945	EA	1" Plain End Piping System, 45 Degree Elbow	151.61	12.34
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0946	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	161.13	18.67
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0947	EA	2" Plain End Piping System, 45 Degree Elbow	170.11	24.67
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0948	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	178.17	30.11
		For Galvanized Fittings, Add	*26.62*	
23 21 13 23-0949	EA	3" Plain End Piping System, 45 Degree Elbow	214.51	36.44
		For Galvanized Fittings, Add	*31.98*	
23 21 13 23-0950	EA	4" Plain End Piping System, 45 Degree Elbow	305.16	47.98
		For Galvanized Fittings, Add	*46.63*	
23 21 13 23-0951	EA	5" Plain End Piping System, 45 Degree Elbow	897.19	60.09
		For Galvanized Fittings, Add	*161.42*	
23 21 13 23-0952	EA	6" Plain End Piping System, 45 Degree Elbow	762.12	78.65
		For Galvanized Fittings, Add	*128.85*	
23 21 13 23-0953	EA	8" Plain End Piping System, 45 Degree Elbow	884.84	93.36
		For Galvanized Fittings, Add	*148.96*	
23 21 13 23-0954	EA	10" Plain End Piping System, 45 Degree Elbow	1,202.93	109.09
		For Galvanized Fittings, Add	*207.88*	
23 21 13 23-0955	EA	12" Plain End Piping System, 45 Degree Elbow	1,539.24	131.05
		For Galvanized Fittings, Add	*268.55*	
23 21 13 23-0956		**Plain End Piping System, Tees** *(23 21 13 23-0931)*		
23 21 13 23-0957	EA	1" Plain End Piping System, Tee	207.27	18.67
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0958	EA	1-1/2" Plain End Piping System, Tee	221.30	28.06
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0959	EA	2" Plain End Piping System, Tee	233.67	36.33
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0960	EA	2-1/2" Plain End Piping System, Tee	245.99	44.48
		For Galvanized Fittings, Add	*35.85*	
23 21 13 23-0961	EA	3" Plain End Piping System, Tee	339.98	54.66
		For Galvanized Fittings, Add	*51.59*	
23 21 13 23-0962	EA	4" Plain End Piping System, Tee	464.72	70.73
		For Galvanized Fittings, Add	*71.75*	
23 21 13 23-0963	EA	5" Plain End Piping System, Tee	926.78	92.46
		For Galvanized Fittings, Add	*157.62*	
23 21 13 23-0964	EA	6" Plain End Piping System, Tee	1,146.22	115.77
		For Galvanized Fittings, Add	*194.53*	
23 21 13 23-0965	EA	8" Plain End Piping System, Tee	1,558.83	140.78
		For Galvanized Fittings, Add	*269.54*	
23 21 13 23-0966	EA	10" Plain End Piping System, Tee	2,304.08	164.09
		For Galvanized Fittings, Add	*411.61*	
23 21 13 23-0967	EA	12" Plain End Piping System, Tee	3,078.80	196.58
		For Galvanized Fittings, Add	*556.82*	
23 21 13 23-0968		**Plain End Piping System, Reducing Tees** *(23 21 13 23-0931)*		
23 21 13 23-0969	EA	1-1/2" Plain End Piping System, Reducing Tee	399.42	30.11
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0970	EA	2" Plain End Piping System, Reducing Tee	408.73	36.33
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0971	EA	2-1/2" Plain End Piping System, Reducing Tee	421.05	44.48
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0972	EA	3" Plain End Piping System, Reducing Tee	436.33	54.66
		For Galvanized Fittings, Add	*70.86*	
23 21 13 23-0973	EA	4" Plain End Piping System, Reducing Tee	629.05	70.73
		For Galvanized Fittings, Add	*104.62*	
23 21 13 23-0974	EA	6" Plain End Piping System, Reducing Tee	1,061.83	115.77
		For Galvanized Fittings, Add	*177.65*	
23 21 13 23-0975	EA	8" Plain End Piping System, Reducing Tee	1,380.93	140.78
		For Galvanized Fittings, Add	*233.96*	
23 21 13 23-0976	EA	10" Plain End Piping System, Reducing Tee	2,049.44	164.09
		For Galvanized Fittings, Add	*360.68*	
23 21 13 23-0977	EA	12" Plain End Piping System, Reducing Tee	3,005.94	196.58
		For Galvanized Fittings, Add	*542.25*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0978			**Plain End Piping System, Wyes** *(23 21 13 23-0931)*		
23 21 13 23-0979		EA	2" Plain End Piping System, Wye	579.47	36.33
			For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0980		EA	2-1/2" Plain End Piping System, Wye	591.79	44.48
			For Galvanized Fittings, Add	*105.01*	
23 21 13 23-0981		EA	3" Plain End Piping System, Wye	672.21	54.66
			For Galvanized Fittings, Add	*118.04*	
23 21 13 23-0982		EA	4" Plain End Piping System, Wye	982.01	70.73
			For Galvanized Fittings, Add	*175.21*	
23 21 13 23-0983		EA	5" Plain End Piping System, Wye	1,204.73	92.46
			For Galvanized Fittings, Add	*213.21*	
23 21 13 23-0984		EA	6" Plain End Piping System, Wye	1,641.55	115.77
			For Galvanized Fittings, Add	*293.60*	
23 21 13 23-0985		EA	8" Plain End Piping System, Wye	2,112.27	140.78
			For Galvanized Fittings, Add	*380.23*	
23 21 13 23-0986		EA	10" Plain End Piping System, Wye	3,049.48	164.09
			For Galvanized Fittings, Add	*560.69*	
23 21 13 23-0987		EA	12" Plain End Piping System, Wye	4,616.48	196.58
			For Galvanized Fittings, Add	*864.35*	
23 21 13 23-0988			**Plain End Piping System, Laterals** *(23 21 13 23-0931)*		
23 21 13 23-0989		EA	2" Plain End Piping System, Lateral	616.61	36.33
			For Galvanized Fittings, Add	*112.44*	
23 21 13 23-0990		EA	2-1/2" Plain End Piping System, Lateral	628.93	44.48
			For Galvanized Fittings, Add	*112.44*	
23 21 13 23-0991		EA	3" Plain End Piping System, Lateral	709.10	54.66
			For Galvanized Fittings, Add	*125.42*	
23 21 13 23-0992		EA	4" Plain End Piping System, Lateral	1,052.45	70.73
			For Galvanized Fittings, Add	*189.30*	
23 21 13 23-0993		EA	5" Plain End Piping System, Lateral	1,372.51	92.46
			For Galvanized Fittings, Add	*246.76*	
23 21 13 23-0994		EA	6" Plain End Piping System, Lateral	1,749.50	115.77
			For Galvanized Fittings, Add	*315.19*	
23 21 13 23-0995		EA	8" Plain End Piping System, Lateral	2,508.78	140.78
			For Galvanized Fittings, Add	*459.53*	
23 21 13 23-0996		EA	10" Plain End Piping System, Lateral	3,489.42	164.09
			For Galvanized Fittings, Add	*648.68*	
23 21 13 23-0997		EA	12" Plain End Piping System, Lateral	4,681.87	196.58
			For Galvanized Fittings, Add	*877.43*	
23 21 13 23-0998			**Plain End Piping System, Crosses** *(23 21 13 23-0931)*		
23 21 13 23-0999		EA	2" Plain End Piping System, Cross	691.96	54.44
			For Galvanized Fittings, Add	*76.30*	
23 21 13 23-1000		EA	2-1/2" Plain End Piping System, Cross	710.40	66.66
			For Galvanized Fittings, Add	*76.30*	
23 21 13 23-1001		EA	3" Plain End Piping System, Cross	831.03	82.05
			For Galvanized Fittings, Add	*88.50*	
23 21 13 23-1002		EA	4" Plain End Piping System, Cross	1,131.60	106.04
			For Galvanized Fittings, Add	*121.58*	
23 21 13 23-1003		EA	5" Plain End Piping System, Cross	1,589.53	138.75
			For Galvanized Fittings, Add	*172.69*	
23 21 13 23-1004		EA	6" Plain End Piping System, Cross	2,083.71	173.14
			For Galvanized Fittings, Add	*228.02*	
23 21 13 23-1005		EA	8" Plain End Piping System, Cross	2,654.57	209.71
			For Galvanized Fittings, Add	*292.53*	
23 21 13 23-1006		EA	10" Plain End Piping System, Cross	3,781.94	245.12
			For Galvanized Fittings, Add	*426.81*	
23 21 13 23-1007		EA	12" Plain End Piping System, Cross	5,365.52	294.91
			For Galvanized Fittings, Add	*615.43*	
23 21 13 23-1008			**Plain End Piping System, Adapter Nipples** *(23 21 13 23-0931)*		
			Note: Plain to threaded, plain to beveled or plain to grooved.		
23 21 13 23-1009		EA	1" Plain End Piping System, Adapter Nipple	48.36	6.79
			For Galvanized Fittings, Add	*9.54*	
23 21 13 23-1010		EA	1-1/2" Plain End Piping System, Adapter Nipple	53.37	9.39
			For Galvanized Fittings, Add	*9.81*	
23 21 13 23-1011		EA	2" Plain End Piping System, Adapter Nipple	57.83	12.45
			For Galvanized Fittings, Add	*9.81*	
23 21 13 23-1012		EA	2-1/2" Plain End Piping System, Adapter Nipple	68.59	15.05
			For Galvanized Fittings, Add	*11.49*	
23 21 13 23-1013		EA	3" Plain End Piping System, Adapter Nipple	83.94	18.10
			For Galvanized Fittings, Add	*14.20*	
23 21 13 23-1014		EA	4" Plain End Piping System, Adapter Nipple	131.15	24.11
			For Galvanized Fittings, Add	*23.74*	
23 21 13 23-1015		EA	6" Plain End Piping System, Adapter Nipple	302.01	30.22
			For Galvanized Fittings, Add	*64.19*	
23 21 13 23-1016			**Plain End Piping System, Reducing (Swaged) Nipples** *(23 21 13 23-0931)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1017	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	152.60	16.18
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1018	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	157.14	19.24
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1019	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	161.71	22.29
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1020	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	160.60	21.62
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1021	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	165.06	24.56
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1022	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	169.57	27.50
		For Galvanized Fittings, Add	*32.07*	
23 21 13 23-1023	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	193.50	24.90
		For Galvanized Fittings, Add	*39.06*	
23 21 13 23-1024	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	197.52	27.50
		For Galvanized Fittings, Add	*39.06*	
23 21 13 23-1025	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	166.01	30.55
		For Galvanized Fittings, Add	*30.04*	
23 21 13 23-1026	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	174.77	36.44
		For Galvanized Fittings, Add	*30.04*	
23 21 13 23-1027	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	202.49	39.27
		For Galvanized Fittings, Add	*35.92*	
23 21 13 23-1028	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	266.06	30.89
		For Galvanized Fittings, Add	*54.92*	
23 21 13 23-1029	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	270.02	33.61
		For Galvanized Fittings, Add	*54.92*	
23 21 13 23-1030	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	221.29	36.66
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1031	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	225.17	39.27
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1032	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	229.79	42.32
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1033	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	234.20	45.27
		For Galvanized Fittings, Add	*41.59*	
23 21 13 23-1034	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	675.74	42.66
		For Galvanized Fittings, Add	*152.93*	
23 21 13 23-1035	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	544.52	48.21
		For Galvanized Fittings, Add	*118.04*	
23 21 13 23-1036	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	470.08	54.44
		For Galvanized Fittings, Add	*97.14*	
23 21 13 23-1037	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	1,234.61	46.06
		For Galvanized Fittings, Add	*291.40*	
23 21 13 23-1038	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	1,238.52	48.67
		For Galvanized Fittings, Add	*291.40*	
23 21 13 23-1039	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	939.62	51.72
		For Galvanized Fittings, Add	*215.53*	
23 21 13 23-1040	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	943.64	54.44
		For Galvanized Fittings, Add	*215.53*	
23 21 13 23-1041	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	644.71	57.38
		For Galvanized Fittings, Add	*139.68*	
23 21 13 23-1042	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	648.82	60.09
		For Galvanized Fittings, Add	*139.68*	
23 21 13 23-1043	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	518.67	63.38
		For Galvanized Fittings, Add	*105.93*	
23 21 13 23-1044	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	589.86	69.37
		For Galvanized Fittings, Add	*121.46*	
23 21 13 23-1045	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	771.03	64.85
		For Galvanized Fittings, Add	*168.45*	
23 21 13 23-1046	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	780.17	70.96
		For Galvanized Fittings, Add	*168.45*	
23 21 13 23-1047	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	882.03	77.07
		For Galvanized Fittings, Add	*191.64*	
23 21 13 23-1048	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	988.44	86.12
		For Galvanized Fittings, Add	*214.81*	

23 21 13 23-1049 Plain End Piping System, Bull Plugs *(23 21 13 23-0931)*

23 21 13 23-1050	EA	1" Plain End Piping System, Bull Plug	299.61	6.79
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1051	EA	1-1/2" Plain End Piping System, Bull Plug	303.58	9.39
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1052	EA	2" Plain End Piping System, Bull Plug	308.04	12.45
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1053	EA	2-1/2" Plain End Piping System, Bull Plug	312.06	15.05
		For Galvanized Fittings, Add	*86.83*	
23 21 13 23-1054	EA	3" Plain End Piping System, Bull Plug	451.43	18.10
		For Galvanized Fittings, Add	*127.28*	
23 21 13 23-1055	EA	4" Plain End Piping System, Bull Plug	584.22	24.11
		For Galvanized Fittings, Add	*164.40*	
23 21 13 23-1056	EA	5" Plain End Piping System, Bull Plug	1,013.71	30.22
		For Galvanized Fittings, Add	*290.54*	
23 21 13 23-1057	EA	6" Plain End Piping System, Bull Plug	1,350.52	39.27
		For Galvanized Fittings, Add	*387.50*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1058		EA	8" Plain End Piping System, Bull Plug	2,498.57	46.74
			For Galvanized Fittings, Add	*728.53*	
23 21 13 23-1059		EA	10" Plain End Piping System, Bull Plug	4,490.39	54.66
			For Galvanized Fittings, Add	*1,322.51*	
23 21 13 23-1060		EA	12" Plain End Piping System, Bull Plug	6,877.74	65.64
			For Galvanized Fittings, Add	*2,033.79*	
23 21 13 23-1061			Carbon Steel Piping Systems *(23 21 13 23)*		
23 21 13 23-1062			Class 3,000 Lb. Carbon Steel Socket Weld Fittings *(23 21 13 23-1061)*		
			Note: ASTM A105		
23 21 13 23-1063			90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1062)*		
23 21 13 23-1064		EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	39.82	22.40
23 21 13 23-1065		EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	44.73	25.01
23 21 13 23-1066		EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	55.17	27.95
23 21 13 23-1067		EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	72.15	31.69
23 21 13 23-1068		EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	82.25	35.65
23 21 13 23-1069		EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	110.19	45.38
23 21 13 23-1070		EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	207.70	67.11
23 21 13 23-1071		EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	292.24	88.27
23 21 13 23-1072		EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	478.65	92.85
23 21 13 23-1073			45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1062)*		
23 21 13 23-1074		EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	42.59	22.40
23 21 13 23-1075		EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	48.92	25.01
23 21 13 23-1076		EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	56.46	27.95
23 21 13 23-1077		EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	73.78	31.69
23 21 13 23-1078		EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	86.16	35.65
23 21 13 23-1079		EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	110.10	45.38
23 21 13 23-1080		EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	231.63	67.11
23 21 13 23-1081		EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	312.48	88.27
23 21 13 23-1082		EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	469.89	92.85
23 21 13 23-1083			Straight Tees, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1062)*		
23 21 13 23-1084		EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	49.06	27.95
23 21 13 23-1085		EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	58.68	32.25
23 21 13 23-1086		EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	75.41	38.13
23 21 13 23-1087		EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	97.74	45.38
23 21 13 23-1088		EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	118.03	54.09
23 21 13 23-1089		EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	154.17	67.11
23 21 13 23-1090		EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	261.34	88.27
23 21 13 23-1091		EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	350.84	104.79
23 21 13 23-1092		EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	630.76	117.22
23 21 13 23-1093			Reducing Tees, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1062)*		
23 21 13 23-1094		EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	49.82	27.95
23 21 13 23-1095		EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	59.46	32.25
23 21 13 23-1096		EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	76.34	38.13
23 21 13 23-1097		EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	99.96	45.38
23 21 13 23-1098		EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	120.64	54.09
23 21 13 23-1099		EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	158.17	67.11
23 21 13 23-1100		EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	270.85	88.27
23 21 13 23-1101		EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	364.54	104.79
23 21 13 23-1102		EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	582.02	117.22
23 21 13 23-1103			Straight Couplings, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1062)*		
23 21 13 23-1104		EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	36.40	22.40
23 21 13 23-1105		EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	40.94	25.01
23 21 13 23-1106		EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	47.14	27.95
23 21 13 23-1107		EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	54.03	31.69
23 21 13 23-1108		EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	62.35	35.65
23 21 13 23-1109		EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	80.90	45.38
23 21 13 23-1110		EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 Lb.	133.10	67.11
23 21 13 23-1111		EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	177.19	88.27
23 21 13 23-1112		EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 Lb.	228.57	92.85
23 21 13 23-1113			Reducing Couplings, 3,000 Lb. Carbon Steel Socket Weld *(23 21 13 23-1062)*		
23 21 13 23-1114		EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	37.95	22.40
23 21 13 23-1115		EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	42.64	25.01
23 21 13 23-1116		EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	49.85	27.95
23 21 13 23-1117		EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	57.31	31.69
23 21 13 23-1118		EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	67.22	35.65
23 21 13 23-1119		EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	86.10	45.38
23 21 13 23-1120		EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	144.55	67.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1121	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	200.22	88.27
23 21 13 23-1122	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 Lb.	276.44	92.85
23 21 13 23-1123		**Caps, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1124	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	20.26	10.52
23 21 13 23-1125	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	22.72	11.21
23 21 13 23-1126	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	26.54	12.90
23 21 13 23-1127	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	30.34	14.04
23 21 13 23-1128	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	33.79	14.04
23 21 13 23-1129	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	43.80	17.99
23 21 13 23-1130	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	72.98	22.40
23 21 13 23-1131	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	102.71	27.05
23 21 13 23-1132	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 Lb.	144.61	31.77
23 21 13 23-1133		**Black Cast Iron Square Head Plug** *(23 21 13 23-1062)*		
23 21 13 23-1134	EA	1/2" Square Head Plug, Black, Cast Iron	14.34	8.94
23 21 13 23-1135	EA	3/4" Square Head Plug, Black, Cast Iron	15.81	8.94
23 21 13 23-1136	EA	1" Square Head Plug, Black, Cast Iron	23.01	13.58
23 21 13 23-1137	EA	1-1/4" Square Head Plug, Black, Cast Iron	23.31	13.58
23 21 13 23-1138	EA	1-1/2" Square Head Plug, Black, Cast Iron	24.53	13.58
23 21 13 23-1139	EA	2" Square Head Plug, Black, Cast Iron	32.56	17.99
23 21 13 23-1140	EA	2-1/2" Square Head Plug, Black, Cast Iron	41.52	22.40
23 21 13 23-1141	EA	3" Square Head Plug, Black, Cast Iron	53.39	27.05
23 21 13 23-1142	EA	4" Square Head Plug, Black, Cast Iron	62.76	31.77
23 21 13 23-1143		**Unions, 3,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1062)*		
23 21 13 23-1144	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	58.01	27.95
23 21 13 23-1145	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	64.88	32.25
23 21 13 23-1146	EA	1" Union, Carbon Steel, Socket Weld, 3,000 Lb.	81.29	38.13
23 21 13 23-1147	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 Lb.	101.29	45.38
23 21 13 23-1148	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	121.78	54.09
23 21 13 23-1149	EA	2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	151.98	67.11
23 21 13 23-1150	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 Lb.	240.92	72.88
23 21 13 23-1151	EA	3" Union, Carbon Steel, Socket Weld, 3,000 Lb.	318.86	88.27
23 21 13 23-1152		**Class 6,000 Lb. Carbon Steel Socket Weld Fittings** *(23 21 13 23-1061)* Note: ASTM A105		
23 21 13 23-1153		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1154	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	43.16	22.40
23 21 13 23-1155	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	48.54	25.01
23 21 13 23-1156	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	62.21	27.95
23 21 13 23-1157	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	85.27	31.69
23 21 13 23-1158	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	97.52	35.65
23 21 13 23-1159	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	132.61	45.38
23 21 13 23-1160	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	264.58	67.11
23 21 13 23-1161	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	377.15	88.27
23 21 13 23-1162	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	658.97	92.85
23 21 13 23-1163		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1164	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	47.72	22.40
23 21 13 23-1165	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	55.36	25.01
23 21 13 23-1166	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	64.69	27.95
23 21 13 23-1167	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	88.69	31.69
23 21 13 23-1168	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	104.65	35.65
23 21 13 23-1169	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	133.96	45.38
23 21 13 23-1170	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	305.82	67.11
23 21 13 23-1171	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	414.47	88.27
23 21 13 23-1172	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	657.16	92.85
23 21 13 23-1173		**Straight Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1174	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	55.68	27.95
23 21 13 23-1175	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	68.24	32.25
23 21 13 23-1176	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	92.31	38.13
23 21 13 23-1177	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	125.30	45.38
23 21 13 23-1178	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	152.21	54.09
23 21 13 23-1179	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	203.79	67.11
23 21 13 23-1180	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	380.80	88.27
23 21 13 23-1181	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	530.22	104.79
23 21 13 23-1182	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	1,052.19	117.22
23 21 13 23-1183		**Reducing Tees, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1184	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	49.82	27.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1185	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	59.46	32.25
23 21 13 23-1186	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	76.34	38.13
23 21 13 23-1187	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	99.96	45.38
23 21 13 23-1188	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	120.64	54.09
23 21 13 23-1189	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	158.17	67.11
23 21 13 23-1190	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	270.85	88.27
23 21 13 23-1191	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	364.54	104.79
23 21 13 23-1192	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	582.02	117.22
23 21 13 23-1193		**Straight Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1194	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	37.79	22.40
23 21 13 23-1195	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	42.59	25.01
23 21 13 23-1196	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	49.66	27.95
23 21 13 23-1197	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	57.21	31.69
23 21 13 23-1198	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	66.63	35.65
23 21 13 23-1199	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	87.15	45.38
23 21 13 23-1200	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	148.81	67.11
23 21 13 23-1201	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	198.86	88.27
23 21 13 23-1202	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 Lb.	271.81	92.85
23 21 13 23-1203		**Reducing Couplings, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1204	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	40.07	22.40
23 21 13 23-1205	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	45.09	25.01
23 21 13 23-1206	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	53.66	27.95
23 21 13 23-1207	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	62.04	31.69
23 21 13 23-1208	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	73.80	35.65
23 21 13 23-1209	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	94.80	45.38
23 21 13 23-1210	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	165.64	67.11
23 21 13 23-1211	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	232.79	88.27
23 21 13 23-1212	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 Lb.	342.35	92.85
23 21 13 23-1213		**Caps, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1214	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	23.31	10.52
23 21 13 23-1215	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	26.71	11.21
23 21 13 23-1216	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	31.38	12.90
23 21 13 23-1217	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	36.65	14.04
23 21 13 23-1218	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	42.40	14.04
23 21 13 23-1219	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	55.04	17.99
23 21 13 23-1220	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	99.46	22.40
23 21 13 23-1221	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	144.43	27.05
23 21 13 23-1222	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 Lb.	209.65	31.77
23 21 13 23-1223		**Black Cast Iron Square Head Plug** *(23 21 13 23-1152)*		
23 21 13 23-1224	EA	1/2" Square Head Plug, Black Cast Iron	14.34	8.94
23 21 13 23-1225	EA	3/4" Square Head Plug, Black Cast Iron	15.82	8.94
23 21 13 23-1226	EA	1" Square Head Plug, Black Cast Iron	23.03	13.58
23 21 13 23-1227	EA	1-1/4" Square Head Plug, Black Cast Iron	23.32	13.58
23 21 13 23-1228	EA	1-1/2" Square Head Plug, Black Cast Iron	24.55	13.58
23 21 13 23-1229	EA	2" Square Head Plug, Black Cast Iron	32.59	17.99
23 21 13 23-1230	EA	2-1/2" Square Head Plug, Black Cast Iron	41.56	22.40
23 21 13 23-1231	EA	3" Square Head Plug, Black Cast Iron	53.46	27.05
23 21 13 23-1232	EA	4" Square Head Plug, Black Cast Iron	62.84	31.77
23 21 13 23-1233		**Unions, 6,000 Lb. Carbon Steel Socket Weld** *(23 21 13 23-1152)*		
23 21 13 23-1234	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	67.86	27.95
23 21 13 23-1235	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	74.98	32.25
23 21 13 23-1236	EA	1" Union, Carbon Steel, Socket Weld, 6,000 Lb.	96.05	38.13
23 21 13 23-1237	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 Lb.	121.66	45.38
23 21 13 23-1238	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	146.64	54.09
23 21 13 23-1239	EA	2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	183.40	67.11
23 21 13 23-1240	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 Lb.	321.38	72.88
23 21 13 23-1241	EA	3" Union, Carbon Steel, Socket Weld, 6,000 Lb.	432.90	88.27
23 21 13 23-1242		**Carbon Steel, Seamless Piping System** *(23 21 13 23-1061)* Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.		
23 21 13 23-1243		**Schedule 40, Carbon Steel, Seamless Piping** *(23 21 13 23-1242)* Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.		
23 21 13 23-1244	LF	1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	10.70	4.19
		For Schedule 80, Add	*1.59*	
23 21 13 23-1245	LF	1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	10.90	4.53
		For Schedule 80, Add	*1.45*	
		For Schedule 160, Add	*6.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1246	LF	3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	12.24	4.86
		For Schedule 80, Add	*1.78*	
		For Schedule 160, Add	*7.41*	
23 21 13 23-1247	LF	1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	13.01	5.32
		For Schedule 80, Add	*1.84*	
		For Schedule 160, Add	*7.65*	
23 21 13 23-1248	LF	1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	18.10	6.57
		For Schedule 80, Add	*2.97*	
		For Schedule 160, Add	*12.39*	
23 21 13 23-1249	LF	2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe	21.80	7.92
		For Schedule 80, Add	*3.56*	
		For Schedule 160, Add	*14.84*	

23 21 13 23-1250 90 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1251	EA	1/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	29.73	17.20
23 21 13 23-1252	EA	1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	35.62	20.15
23 21 13 23-1253	EA	3/4" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	39.82	22.53
23 21 13 23-1254	EA	1" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	45.33	25.12
23 21 13 23-1255	EA	1-1/2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	67.80	32.14
23 21 13 23-1256	EA	2" 90 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	85.97	40.85
23 21 13 23-1257	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	31.00	17.20
23 21 13 23-1258	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	36.09	20.15
23 21 13 23-1259	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	41.38	22.53
23 21 13 23-1260	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	48.73	25.12
23 21 13 23-1261	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	75.91	32.14
23 21 13 23-1262	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	94.94	40.85
23 21 13 23-1263	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	40.51	20.15
23 21 13 23-1264	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	46.94	22.53
23 21 13 23-1265	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	54.57	25.12
23 21 13 23-1266	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	92.33	32.14
23 21 13 23-1267	EA	2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	138.48	40.85

23 21 13 23-1268 45 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1269	EA	1/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	32.49	17.20
23 21 13 23-1270	EA	1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	36.64	20.15
23 21 13 23-1271	EA	3/4" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	41.14	22.53
23 21 13 23-1272	EA	1" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	46.33	25.12
23 21 13 23-1273	EA	1-1/2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	64.56	32.14
23 21 13 23-1274	EA	2" 45 Degree Elbow, 2,000 Lb., Screwed Carbon Steel	90.97	40.85
23 21 13 23-1275	EA	1/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	32.69	17.20
23 21 13 23-1276	EA	1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	37.80	20.15
23 21 13 23-1277	EA	3/4" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	42.47	22.53
23 21 13 23-1278	EA	1" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	49.80	25.12
23 21 13 23-1279	EA	1-1/2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	74.66	32.14
23 21 13 23-1280	EA	2" 45 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	97.73	40.85
23 21 13 23-1281	EA	1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	43.56	20.15
23 21 13 23-1282	EA	3/4" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	52.44	22.53
23 21 13 23-1283	EA	1" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	56.64	25.12
23 21 13 23-1284	EA	1-1/2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	104.04	32.14
23 21 13 23-1285	EA	2" 45 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	139.25	40.85

23 21 13 23-1286 Straight Tees, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1287	EA	1/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	39.53	23.87
23 21 13 23-1288	EA	1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	44.77	25.12
23 21 13 23-1289	EA	3/4" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	53.14	29.08
23 21 13 23-1290	EA	1" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	64.58	34.29
23 21 13 23-1291	EA	1-1/2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	100.66	48.67
23 21 13 23-1292	EA	2" Tee, Straight, 2,000 Lb., Screwed Carbon Steel	124.80	60.44
23 21 13 23-1293	EA	1/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	40.61	23.87
23 21 13 23-1294	EA	1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	45.47	25.12
23 21 13 23-1295	EA	3/4" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	55.49	29.08
23 21 13 23-1296	EA	1" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	66.60	34.29
23 21 13 23-1297	EA	1-1/2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	107.62	48.67
23 21 13 23-1298	EA	2" Tee, Straight, 3,000 Lb., Screwed Carbon Steel	136.32	60.44
23 21 13 23-1299	EA	1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	50.77	25.12
23 21 13 23-1300	EA	3/4" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	61.19	29.08
23 21 13 23-1301	EA	1" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	80.67	34.29
23 21 13 23-1302	EA	1-1/2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	123.61	48.67
23 21 13 23-1303	EA	2" Tee, Straight, 6,000 Lb., Screwed Carbon Steel	187.30	60.44

23 21 13 23-1304 Crosses, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1305	EA	1/4" Cross, 2,000 Lb., Screwed Carbon Steel	57.56	30.22
23 21 13 23-1306	EA	1/2" Cross, 2,000 Lb., Screwed Carbon Steel	67.30	33.95
23 21 13 23-1307	EA	3/4" Cross, 2,000 Lb., Screwed Carbon Steel	72.15	36.21
23 21 13 23-1308	EA	1" Cross, 2,000 Lb., Screwed Carbon Steel	88.80	43.68
23 21 13 23-1309	EA	1-1/2" Cross, 2,000 Lb., Screwed Carbon Steel	147.70	61.11
23 21 13 23-1310	EA	2" Cross, 2,000 Lb., Screwed Carbon Steel	189.10	75.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1311	EA	1/2" Cross, 3,000 Lb., Screwed Carbon Steel	68.62	33.95
23 21 13 23-1312	EA	3/4" Cross, 3,000 Lb., Screwed Carbon Steel	79.77	36.21
23 21 13 23-1313	EA	1" Cross, 3,000 Lb., Screwed Carbon Steel	95.45	43.68
23 21 13 23-1314	EA	1-1/2" Cross, 3,000 Lb., Screwed Carbon Steel	157.30	61.11
23 21 13 23-1315	EA	2" Cross, 3,000 Lb., Screwed Carbon Steel	206.64	75.48
23 21 13 23-1316	EA	1/2" Cross, 6,000 Lb., Screwed Carbon Steel	93.42	33.95
23 21 13 23-1317	EA	3/4" Cross, 6,000 Lb., Screwed Carbon Steel	147.46	36.21
23 21 13 23-1318	EA	1" Cross, 6,000 Lb., Screwed Carbon Steel	199.75	43.68
23 21 13 23-1319	EA	1-1/2" Cross, 6,000 Lb., Screwed Carbon Steel	312.40	61.11
23 21 13 23-1320	EA	2" Cross, 6,000 Lb., Screwed Carbon Steel	346.11	75.48
23 21 13 23-1321		**Straight Couplings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1322	EA	1/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	28.23	17.20
23 21 13 23-1323	EA	1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	32.38	20.15
23 21 13 23-1324	EA	3/4" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	36.81	22.53
23 21 13 23-1325	EA	1" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	42.28	25.12
23 21 13 23-1326	EA	1-1/2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	59.62	32.14
23 21 13 23-1327	EA	2" Coupling, Straight, 3,000 Lb., Screwed Carbon Steel	75.69	40.85
23 21 13 23-1328	EA	1/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	31.41	17.20
23 21 13 23-1329	EA	1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	34.39	20.15
23 21 13 23-1330	EA	3/4" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	38.35	22.53
23 21 13 23-1331	EA	1" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	44.34	25.12
23 21 13 23-1332	EA	1-1/2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	62.76	32.14
23 21 13 23-1333	EA	2" Coupling, Straight, 6,000 Lb., Screwed Carbon Steel	87.18	40.85
23 21 13 23-1334		**Reducing Couplings, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1335	EA	1/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	28.67	18.34
23 21 13 23-1336	EA	1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	33.42	20.15
23 21 13 23-1337	EA	3/4" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	38.40	22.53
23 21 13 23-1338	EA	1" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	44.49	25.12
23 21 13 23-1339	EA	1-1/2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	60.19	32.14
23 21 13 23-1340	EA	2" Coupling, Reducing, 3,000 Lb., Screwed Carbon Steel	78.79	40.85
23 21 13 23-1341	EA	1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	74.13	20.15
23 21 13 23-1342	EA	3/4" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	77.73	22.53
23 21 13 23-1343	EA	1" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	90.32	25.12
23 21 13 23-1344	EA	1-1/2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	127.99	32.14
23 21 13 23-1345	EA	2" Coupling, Reducing, 6,000 Lb., Screwed Carbon Steel	181.41	40.85
23 21 13 23-1346		**Caps, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1347	EA	1/4" Cap, 3,000 Lb., Screwed Carbon Steel	13.45	7.69
23 21 13 23-1348	EA	1/2" Cap, 3,000 Lb., Screwed Carbon Steel	15.61	8.94
23 21 13 23-1349	EA	3/4" Cap, 3,000 Lb., Screwed Carbon Steel	18.03	10.07
23 21 13 23-1350	EA	1" Cap, 3,000 Lb., Screwed Carbon Steel	21.33	11.21
23 21 13 23-1351	EA	1-1/2" Cap, 3,000 Lb., Screwed Carbon Steel	28.63	14.26
23 21 13 23-1352	EA	2" Cap, 3,000 Lb., Screwed Carbon Steel	38.34	18.22
23 21 13 23-1353	EA	1/4" Cap, 6,000 Lb., Screwed Carbon Steel	17.27	7.69
23 21 13 23-1354	EA	1/2" Cap, 6,000 Lb., Screwed Carbon Steel	18.05	8.94
23 21 13 23-1355	EA	3/4" Cap, 6,000 Lb., Screwed Carbon Steel	22.01	10.07
23 21 13 23-1356	EA	1" Cap, 6,000 Lb., Screwed Carbon Steel	24.24	11.21
23 21 13 23-1357	EA	1-1/2" Cap, 6,000 Lb., Screwed Carbon Steel	40.48	14.26
23 21 13 23-1358	EA	2" Cap, 6,000 Lb., Screwed Carbon Steel	49.88	18.22
23 21 13 23-1359		**Nipples, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1360	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	17.26	10.30
23 21 13 23-1361	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	17.62	10.75
23 21 13 23-1362	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	17.52	10.75
23 21 13 23-1363	EA	1" Nipple, 2" Long, Screwed Carbon Steel	19.34	11.66
23 21 13 23-1364	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	21.77	12.57
23 21 13 23-1365	EA	2" Nipple, 2" Long, Screwed Carbon Steel	26.54	16.18
23 21 13 23-1366	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	17.99	10.30
23 21 13 23-1367	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	18.20	10.75
23 21 13 23-1368	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	18.18	10.75
23 21 13 23-1369	EA	1" Nipple, 4" Long, Screwed Carbon Steel	20.22	11.66
23 21 13 23-1370	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	23.34	12.57
23 21 13 23-1371	EA	2" Nipple, 4" Long, Screwed Carbon Steel	28.83	16.18
23 21 13 23-1372	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	19.73	10.30
23 21 13 23-1373	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	19.11	10.75
23 21 13 23-1374	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	19.20	10.75
23 21 13 23-1375	EA	1" Nipple, 6" Long, Screwed Carbon Steel	21.49	11.66
23 21 13 23-1376	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	25.49	12.57
23 21 13 23-1377	EA	2" Nipple, 6" Long, Screwed Carbon Steel	30.74	16.18
23 21 13 23-1378		**Unions, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1379	EA	1/4" Union, 3,000 Lb., Screwed Carbon Steel	36.53	25.01
23 21 13 23-1380	EA	1/2" Union, 3,000 Lb., Screwed Carbon Steel	38.97	25.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1381	EA	3/4" Union, 3,000 Lb., Screwed Carbon Steel	44.81	29.08
23 21 13 23-1382	EA	1" Union, 3,000 Lb., Screwed Carbon Steel	53.31	34.29
23 21 13 23-1383	EA	1-1/2" Union, 3,000 Lb., Screwed Carbon Steel	76.16	48.67
23 21 13 23-1384	EA	2" Union, 3,000 Lb., Screwed Carbon Steel	94.51	60.44
23 21 13 23-1385	EA	1/4" Union, 6,000 Lb., Screwed Carbon Steel	53.41	25.01
23 21 13 23-1386	EA	1/2" Union, 6,000 Lb., Screwed Carbon Steel	59.37	25.12
23 21 13 23-1387	EA	3/4" Union, 6,000 Lb., Screwed Carbon Steel	69.53	29.08
23 21 13 23-1388	EA	1" Union, 6,000 Lb., Screwed Carbon Steel	83.77	34.29
23 21 13 23-1389	EA	1-1/2" Union, 6,000 Lb., Screwed Carbon Steel	138.44	48.67
23 21 13 23-1390	EA	2" Union, 6,000 Lb., Screwed Carbon Steel	171.17	60.44

23 21 13 23-1391 Weld Neck Flanges, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1392	EA	1/2" Flange, 150 Lb., Screwed Carbon Steel	79.11	46.74
23 21 13 23-1393	EA	3/4" Flange, 150 Lb., Screwed Carbon Steel	82.79	49.00
23 21 13 23-1394	EA	1" Flange, 150 Lb., Screwed Carbon Steel	85.97	51.15
23 21 13 23-1395	EA	1-1/2" Flange, 150 Lb., Screwed Carbon Steel	95.98	57.61
23 21 13 23-1396	EA	2" Flange, 150 Lb., Screwed Carbon Steel	99.75	60.09
23 21 13 23-1397	EA	1/2" Flange, 300 Lb., Screwed Carbon Steel	79.68	46.74
		For Ring Type Joint, Add	*9.55*	
		For Blind Flange, Deduct	*-29.96*	
23 21 13 23-1398	EA	3/4" Flange, 300 Lb., Screwed Carbon Steel	83.40	49.00
		For Ring Type Joint, Add	*9.87*	
		For Blind Flange, Deduct	*-31.39*	
23 21 13 23-1399	EA	1" Flange, 300 Lb., Screwed Carbon Steel	86.89	51.15
		For Ring Type Joint, Add	*10.18*	
		For Blind Flange, Deduct	*-32.72*	
23 21 13 23-1400	EA	1-1/2" Flange, 300 Lb., Screwed Carbon Steel	98.17	57.61
		For Ring Type Joint, Add	*11.78*	
		For Blind Flange, Deduct	*-36.91*	
23 21 13 23-1401	EA	2" Flange, 300 Lb., Screwed Carbon Steel	101.94	60.09
		For Ring Type Joint, Add	*11.78*	
		For Blind Flange, Deduct	*-38.42*	
23 21 13 23-1402	EA	1/2" Flange, 600 Lb., Screwed Carbon Steel	83.43	46.74
		For Ring Type Joint, Add	*13.30*	
		For Blind Flange, Deduct	*-30.71*	
23 21 13 23-1403	EA	3/4" Flange, 600 Lb., Screwed Carbon Steel	86.83	49.00
		For Ring Type Joint, Add	*13.30*	
		For Blind Flange, Deduct	*-32.07*	
23 21 13 23-1404	EA	1" Flange, 600 Lb., Screwed Carbon Steel	90.62	51.15
		For Ring Type Joint, Add	*13.91*	
		For Blind Flange, Deduct	*-33.47*	
23 21 13 23-1405	EA	1-1/2" Flange, 600 Lb., Screwed Carbon Steel	102.79	57.61
		For Ring Type Joint, Add	*16.40*	
		For Blind Flange, Deduct	*-37.84*	
23 21 13 23-1406	EA	2" Flange, 600 Lb., Screwed Carbon Steel	105.42	60.09
		For Ring Type Joint, Add	*15.26*	
		For Blind Flange, Deduct	*-39.12*	

23 21 13 23-1407 Square Head Plugs, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1408	EA	1/4" Square Head Plug, Screwed Carbon Steel	5.57	3.17
23 21 13 23-1409	EA	1/2" Square Head Plug, Screwed Carbon Steel	6.68	3.74
23 21 13 23-1410	EA	3/4" Square Head Plug, Screwed Carbon Steel	7.71	4.30
23 21 13 23-1411	EA	1" Square Head Plug, Screwed Carbon Steel	11.25	6.33
23 21 13 23-1412	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	13.47	6.33
23 21 13 23-1413	EA	2" Square Head Plug, Screwed Carbon Steel	19.01	8.26

23 21 13 23-1414 Hex Head Plugs, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1415	EA	1/4" Hex Head Plug, Screwed Carbon Steel	5.35	3.17
23 21 13 23-1416	EA	1/2" Hex Head Plug, Screwed Carbon Steel	6.47	3.74
23 21 13 23-1417	EA	3/4" Hex Head Plug, Screwed Carbon Steel	7.57	4.30
23 21 13 23-1418	EA	1" Hex Head Plug, Screwed Carbon Steel	11.13	6.33
23 21 13 23-1419	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	12.98	6.33
23 21 13 23-1420	EA	2" Hex Head Plug, Screwed Carbon Steel	19.36	8.26

23 21 13 23-1421 Round Head Plugs, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1422	EA	1/4" Round Head Plug, Screwed Carbon Steel	6.07	3.17
23 21 13 23-1423	EA	1/2" Round Head Plug, Screwed Carbon Steel	6.71	3.74
23 21 13 23-1424	EA	3/4" Round Head Plug, Screwed Carbon Steel	7.61	4.30
23 21 13 23-1425	EA	1" Round Head Plug, Screwed Carbon Steel	11.33	6.33
23 21 13 23-1426	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	14.08	6.33
23 21 13 23-1427	EA	2" Round Head Plug, Screwed Carbon Steel	19.22	8.26

23 21 13 23-1428 Hexagon Bushings, Screwed Carbon Steel *(23 21 13 23-1242)*

23 21 13 23-1429	EA	1/4" Hex Bushing, Screwed Carbon Steel	5.51	3.17
23 21 13 23-1430	EA	1/2" Hex Bushing, Screwed Carbon Steel	6.46	3.74
23 21 13 23-1431	EA	3/4" Hex Bushing, Screwed Carbon Steel	7.52	4.30
23 21 13 23-1432	EA	1" Hex Bushing, Screwed Carbon Steel	11.29	6.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1433	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	12.94	6.33
23 21 13 23-1434	EA	2" Hex Bushing, Screwed Carbon Steel	18.85	8.26
23 21 13 23-1435		**90 Degree Street Elbows, Screwed Carbon Steel** *(23 21 13 23-1242)*		
23 21 13 23-1436	EA	1/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	33.77	17.20
23 21 13 23-1437	EA	1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	38.79	20.15
23 21 13 23-1438	EA	3/4" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	44.85	22.53
23 21 13 23-1439	EA	1" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	51.88	25.12
23 21 13 23-1440	EA	1-1/2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	78.46	32.14
23 21 13 23-1441	EA	2" 90 Degree Elbow, 3,000 Lb., Screwed Carbon Steel	104.46	40.85
23 21 13 23-1442	EA	1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	50.33	20.15
23 21 13 23-1443	EA	3/4" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	68.31	22.53
23 21 13 23-1444	EA	1" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	91.14	25.12
23 21 13 23-1445	EA	1-1/2" 90 Degree Elbow, 6,000 Lb., Screwed Carbon Steel	186.44	32.14
23 21 13 23-1446		**Screwed Carbon Steel Laterals** *(23 21 13 23-1242)*		
23 21 13 23-1447	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	117.19	25.12
23 21 13 23-1448	EA	3/4" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	140.28	29.08
23 21 13 23-1449	EA	1" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	170.99	34.29
23 21 13 23-1450	EA	1-1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	222.28	48.67
23 21 13 23-1451	EA	2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	277.12	60.44
23 21 13 23-1452	EA	1/2" Lateral, Straight, 3,000 Lb., Screwed Carbon Steel	144.14	25.12
23 21 13 23-1453	EA	3/4" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	180.36	29.08
23 21 13 23-1454	EA	1" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	213.85	34.29
23 21 13 23-1455	EA	1-1/2" Lateral, Straight, 6,000 Lb., Screwed Carbon Steel	301.07	48.67
23 21 13 23-1456		**Grooved-Joint Pipe** *(23 21 13 23)*		
		Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.		
23 21 13 23-1457		**Schedule 10 Black Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1458	LF	2" Black Schedule 10 Grooved Pipe	31.10	14.37
		For Work In Restricted Working Space, Add	*6.45*	
23 21 13 23-1459	LF	2-1/2" Black Schedule 10 Grooved Pipe	42.00	19.70
		For Work In Restricted Working Space, Add	*8.86*	
23 21 13 23-1460	LF	3" Black Schedule 10 Grooved Pipe	47.14	21.84
		For Work In Restricted Working Space, Add	*9.83*	
23 21 13 23-1461	LF	3-1/2" Black Schedule 10 Grooved Pipe	52.41	22.64
		For Work In Restricted Working Space, Add	*10.20*	
23 21 13 23-1462	LF	4" Black Schedule 10 Grooved Pipe	55.67	24.56
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-1463	LF	5" Black Schedule 10 Grooved Pipe	78.26	30.11
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-1464	LF	6" Black Schedule 10 Grooved Pipe	101.22	42.78
		For Work In Restricted Working Space, Add	*19.22*	
23 21 13 23-1465	LF	8" Black Schedule 10 Grooved Pipe	137.47	47.98
		For Work In Restricted Working Space, Add	*21.56*	
23 21 13 23-1466	LF	10" Black Schedule 10 Grooved Pipe	172.16	57.83
		For Work In Restricted Working Space, Add	*26.00*	
23 21 13 23-1467	LF	12" Black Schedule 10 Grooved Pipe	198.52	65.52
		For Work In Restricted Working Space, Add	*29.47*	
23 21 13 23-1468		**Schedule 40 Black Grooved Pipe** *(23 21 13 23-1456)*		
23 21 13 23-1469	LF	3/4" Black Schedule 40 Grooved Pipe	18.66	8.71
		For Work In Restricted Working Space, Add	*3.91*	
23 21 13 23-1470	LF	1" Black Schedule 40 Grooved Pipe	21.07	9.85
		For Work In Restricted Working Space, Add	*4.40*	
23 21 13 23-1471	LF	1-1/4" Black Schedule 40 Grooved Pipe	23.92	10.63
		For Work In Restricted Working Space, Add	*4.78*	
23 21 13 23-1472	LF	1-1/2" Black Schedule 40 Grooved Pipe	27.21	12.11
		For Work In Restricted Working Space, Add	*5.44*	
23 21 13 23-1473	LF	2" Black Schedule 40 Grooved Pipe	34.33	15.39
		For Work In Restricted Working Space, Add	*6.94*	
23 21 13 23-1474	LF	2-1/2" Black Schedule 40 Grooved Pipe	47.78	21.05
		For Work In Restricted Working Space, Add	*9.49*	
23 21 13 23-1475	LF	3" Black Schedule 40 Grooved Pipe	56.31	24.00
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-1476	LF	4" Black Schedule 40 Grooved Pipe	68.88	26.70
		For Work In Restricted Working Space, Add	*12.02*	
23 21 13 23-1477	LF	5" Black Schedule 40 Grooved Pipe	94.48	32.48
		For Work In Restricted Working Space, Add	*14.61*	
23 21 13 23-1478	LF	6" Black Schedule 40 Grooved Pipe	127.34	46.85
		For Work In Restricted Working Space, Add	*21.05*	
23 21 13 23-1479	LF	8" Black Schedule 40 Grooved Pipe	168.35	53.08
		For Work In Restricted Working Space, Add	*23.90*	
23 21 13 23-1480	LF	10" Black Schedule 40 Grooved Pipe	231.29	63.38
		For Work In Restricted Working Space, Add	*28.52*	
23 21 13 23-1481	LF	12" Black Schedule 40 Grooved Pipe	272.29	72.77
		For Work In Restricted Working Space, Add	*32.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1482	LF	14" Black Schedule 40 Grooved Pipe	359.60	98.35
		For Work In Restricted Working Space, Add	*44.21*	
23 21 13 23-1483	LF	16" Black Schedule 40 Grooved Pipe	417.28	115.66
		For Work In Restricted Working Space, Add	*52.01*	
23 21 13 23-1484	LF	18" Black Schedule 40 Grooved Pipe	517.79	140.44
		For Work In Restricted Working Space, Add	*63.15*	
23 21 13 23-1485	LF	20" Black Schedule 40 Grooved Pipe	597.22	163.76
		For Work In Restricted Working Space, Add	*73.68*	
23 21 13 23-1486	LF	24" Black Schedule 40 Grooved Pipe	779.38	196.58
		For Work In Restricted Working Space, Add	*88.41*	

23 21 13 23-1487 Schedule 80 Black Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1488	LF	3/4" Black Schedule 80 Grooved Pipe	20.45	9.51
		For Work In Restricted Working Space, Add	*4.27*	
23 21 13 23-1489	LF	1" Black Schedule 80 Grooved Pipe	22.66	10.07
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-1490	LF	1-1/4" Black Schedule 80 Grooved Pipe	26.55	11.21
		For Work In Restricted Working Space, Add	*5.04*	
23 21 13 23-1491	LF	1-1/2" Black Schedule 80 Grooved Pipe	30.22	12.57
		For Work In Restricted Working Space, Add	*5.66*	
23 21 13 23-1492	LF	2" Black Schedule 80 Grooved Pipe	39.09	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-1493	LF	2-1/2" Black Schedule 80 Grooved Pipe	55.01	22.29
		For Work In Restricted Working Space, Add	*10.01*	
23 21 13 23-1494	LF	3" Black Schedule 80 Grooved Pipe	65.48	25.01
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-1495	LF	4" Black Schedule 80 Grooved Pipe	81.93	27.28
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-1496	LF	5" Black Schedule 80 Grooved Pipe	124.57	34.29
		For Work In Restricted Working Space, Add	*15.45*	
23 21 13 23-1497	LF	6" Black Schedule 80 Grooved Pipe	162.53	49.12
		For Work In Restricted Working Space, Add	*22.10*	
23 21 13 23-1498	LF	8" Black Schedule 80 Grooved Pipe	241.83	56.13
		For Work In Restricted Working Space, Add	*25.26*	
23 21 13 23-1499	LF	10" Black Schedule 80 Grooved Pipe	300.81	67.79
		For Work In Restricted Working Space, Add	*30.49*	
23 21 13 23-1500	LF	12" Black Schedule 80 Grooved Pipe	317.69	81.94
		For Work In Restricted Working Space, Add	*36.84*	

23 21 13 23-1501 Schedule 40 Galvanized Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1502	LF	3/4" Galvanized Schedule 40 Grooved Pipe	18.57	8.71
		For Work In Restricted Working Space, Add	*3.91*	
23 21 13 23-1503	LF	1" Galvanized Schedule 40 Grooved Pipe	21.47	9.85
		For Work In Restricted Working Space, Add	*4.40*	
23 21 13 23-1504	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	23.88	10.63
		For Work In Restricted Working Space, Add	*4.78*	
23 21 13 23-1505	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	27.17	12.11
		For Work In Restricted Working Space, Add	*5.44*	
23 21 13 23-1506	LF	2" Galvanized Schedule 40 Grooved Pipe	34.41	15.39
		For Work In Restricted Working Space, Add	*6.94*	
23 21 13 23-1507	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	48.08	21.05
		For Work In Restricted Working Space, Add	*9.49*	
23 21 13 23-1508	LF	3" Galvanized Schedule 40 Grooved Pipe	56.89	24.00
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-1509	LF	4" Galvanized Schedule 40 Grooved Pipe	69.66	26.70
		For Work In Restricted Working Space, Add	*12.02*	
23 21 13 23-1510	LF	5" Galvanized Schedule 40 Grooved Pipe	96.91	32.48
		For Work In Restricted Working Space, Add	*14.61*	
23 21 13 23-1511	LF	6" Galvanized Schedule 40 Grooved Pipe	131.23	46.85
		For Work In Restricted Working Space, Add	*21.05*	
23 21 13 23-1512	LF	8" Galvanized Schedule 40 Grooved Pipe	172.59	53.08
		For Work In Restricted Working Space, Add	*23.90*	
23 21 13 23-1513	LF	10" Galvanized Schedule 40 Grooved Pipe	241.12	63.38
		For Work In Restricted Working Space, Add	*28.52*	
23 21 13 23-1514	LF	12" Galvanized Schedule 40 Grooved Pipe	284.41	72.77
		For Work In Restricted Working Space, Add	*32.75*	

23 21 13 23-1515 Schedule 80 Galvanized Grooved Pipe *(23 21 13 23-1456)*

23 21 13 23-1516	LF	3/4" Galvanized Schedule 80 Grooved Pipe	19.98	9.51
		For Work In Restricted Working Space, Add	*4.27*	
23 21 13 23-1517	LF	1" Galvanized Schedule 80 Grooved Pipe	25.60	10.07
		For Work In Restricted Working Space, Add	*4.55*	
23 21 13 23-1518	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	26.08	11.21
		For Work In Restricted Working Space, Add	*5.04*	
23 21 13 23-1519	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	33.87	13.35
		For Work In Restricted Working Space, Add	*6.03*	
23 21 13 23-1520	LF	2" Galvanized Schedule 80 Grooved Pipe	38.51	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-1521	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	54.38	22.29
		For Work In Restricted Working Space, Add	*10.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1522	LF	3" Galvanized Schedule 80 Grooved Pipe	65.07	25.01
		For Work In Restricted Working Space, Add	*11.26*	
23 21 13 23-1523	LF	4" Galvanized Schedule 80 Grooved Pipe	81.11	27.28
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-1524	LF	5" Galvanized Schedule 80 Grooved Pipe	120.84	34.29
		For Work In Restricted Working Space, Add	*15.45*	
23 21 13 23-1525	LF	6" Galvanized Schedule 80 Grooved Pipe	157.52	49.12
		For Work In Restricted Working Space, Add	*22.10*	
23 21 13 23-1526	LF	8" Galvanized Schedule 80 Grooved Pipe	232.21	56.13
		For Work In Restricted Working Space, Add	*25.26*	
23 21 13 23-1527	LF	10" Galvanized Schedule 80 Grooved Pipe	276.54	67.79
		For Work In Restricted Working Space, Add	*30.49*	
23 21 13 23-1528	LF	12" Galvanized Schedule 80 Grooved Pipe	304.96	81.94
		For Work In Restricted Working Space, Add	*36.84*	

23 21 13 23-1529 Painted Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-1530 Grooved Elbows *(23 21 13 23-1529)*

23 21 13 23-1531 90 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 10

23 21 13 23-1532	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	78.59	12.34
		For Galvanized Fittings, Add	*19.83*	
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-1533	EA	1", Ductile Iron, Grooved 90 Degree Elbow	78.59	12.34
		For Galvanized Fittings, Add	*19.83*	
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-1534	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	83.22	15.39
		For Galvanized Fittings, Add	*19.83*	
		For Work In Restricted Working Space, Add	*6.94*	
23 21 13 23-1535	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	88.11	18.67
		For Galvanized Fittings, Add	*19.83*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-1536	EA	2", Ductile Iron, Grooved 90 Degree Elbow	97.09	24.67
		For Galvanized Fittings, Add	*19.83*	
		For Work In Restricted Working Space, Add	*11.10*	
23 21 13 23-1537	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	105.15	30.11
		For Galvanized Fittings, Add	*19.83*	
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-1538	EA	3", Ductile Iron, Grooved 90 Degree Elbow	161.38	36.44
		For Galvanized Fittings, Add	*35.23*	
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-1539	EA	4", Ductile Iron, Grooved 90 Degree Elbow	188.37	48.09
		For Galvanized Fittings, Add	*38.38*	
		For Work In Restricted Working Space, Add	*21.62*	
23 21 13 23-1540	EA	5", Ductile Iron, Grooved 90 Degree Elbow	373.17	60.09
		For Galvanized Fittings, Add	*93.41*	
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-1541	EA	6", Ductile Iron, Grooved 90 Degree Elbow	446.86	78.65
		For Galvanized Fittings, Add	*108.56*	
		For Work In Restricted Working Space, Add	*35.36*	
23 21 13 23-1542	EA	8", Ductile Iron, Grooved 90 Degree Elbow	832.72	93.59
		For Galvanized Fittings, Add	*228.49*	
		For Work In Restricted Working Space, Add	*42.10*	
23 21 13 23-1543	EA	10", Ductile Iron, Grooved 90 Degree Elbow	1,242.47	109.20
		For Galvanized Fittings, Add	*355.98*	
		For Work In Restricted Working Space, Add	*49.12*	
23 21 13 23-1544	EA	12", Ductile Iron, Grooved 90 Degree Elbow	1,925.52	131.05
		For Galvanized Fittings, Add	*570.58*	
		For Work In Restricted Working Space, Add	*58.94*	
23 21 13 23-1545	EA	14", Steel, Grooved 90 Degree Elbow	3,817.61	147.91
		For Galvanized Fittings, Add	*1,186.61*	
		For Work In Restricted Working Space, Add	*66.54*	
23 21 13 23-1546	EA	16", Steel, Grooved 90 Degree Elbow	4,950.71	163.76
		For Galvanized Fittings, Add	*1,552.70*	
		For Work In Restricted Working Space, Add	*73.67*	
23 21 13 23-1547	EA	18", Steel, Grooved 90 Degree Elbow	6,235.69	178.92
		For Galvanized Fittings, Add	*1,969.27*	
		For Work In Restricted Working Space, Add	*80.46*	
23 21 13 23-1548	EA	20", Steel, Grooved 90 Degree Elbow	8,120.91	186.05
		For Galvanized Fittings, Add	*2,587.83*	
		For Work In Restricted Working Space, Add	*83.70*	
23 21 13 23-1549	EA	24", Steel, Grooved 90 Degree Elbow	11,614.42	220.00
		For Galvanized Fittings, Add	*3,723.94*	
		For Work In Restricted Working Space, Add	*98.92*	

23 21 13 23-1550 45 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 11

23 21 13 23-1551	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow	78.55	12.34
		For Work In Restricted Working Space, Add	*5.55*	
		For Galvanized Fittings, Add	*14.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1552	EA	1", Ductile Iron, Grooved 45 Degree Elbow	78.55	12.34
		For Work In Restricted Working Space, Add	*5.55*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1553	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow	83.18	15.39
		For Work In Restricted Working Space, Add	*6.94*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1554	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow	88.07	18.67
		For Work In Restricted Working Space, Add	*8.40*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1555	EA	2", Ductile Iron, Grooved 45 Degree Elbow	97.05	24.67
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1556	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow	105.11	30.11
		For Work In Restricted Working Space, Add	*13.52*	
		For Galvanized Fittings, Add	*14.41*	
23 21 13 23-1557	EA	3", Ductile Iron, Grooved 45 Degree Elbow	161.34	36.44
		For Work In Restricted Working Space, Add	*16.38*	
		For Galvanized Fittings, Add	*25.62*	
23 21 13 23-1558	EA	4", Ductile Iron, Grooved 45 Degree Elbow	188.37	48.09
		For Work In Restricted Working Space, Add	*21.62*	
		For Galvanized Fittings, Add	*27.91*	
23 21 13 23-1559	EA	5", Ductile Iron, Grooved 45 Degree Elbow	373.17	60.09
		For Work In Restricted Working Space, Add	*27.03*	
		For Galvanized Fittings, Add	*67.94*	
23 21 13 23-1560	EA	6", Ductile Iron, Grooved 45 Degree Elbow	446.86	78.65
		For Work In Restricted Working Space, Add	*35.36*	
		For Galvanized Fittings, Add	*78.96*	
23 21 13 23-1561	EA	8", Ductile Iron, Grooved 45 Degree Elbow	832.72	93.59
		For Work In Restricted Working Space, Add	*42.10*	
		For Galvanized Fittings, Add	*166.17*	
23 21 13 23-1562	EA	10", Ductile Iron, Grooved 45 Degree Elbow	1,242.47	109.20
		For Work In Restricted Working Space, Add	*49.12*	
		For Galvanized Fittings, Add	*258.90*	
23 21 13 23-1563	EA	12", Ductile Iron, Grooved 45 Degree Elbow	1,925.52	131.05
		For Work In Restricted Working Space, Add	*58.94*	
		For Galvanized Fittings, Add	*414.97*	
23 21 13 23-1564	EA	14", Steel, Grooved 45 Degree Elbow	3,817.61	147.91
		For Work In Restricted Working Space, Add	*66.54*	
		For Galvanized Fittings, Add	*862.99*	
23 21 13 23-1565	EA	16", Steel, Grooved 45 Degree Elbow	4,950.71	163.76
		For Work In Restricted Working Space, Add	*73.67*	
		For Galvanized Fittings, Add	*1,129.23*	
23 21 13 23-1566	EA	18", Steel, Grooved 45 Degree Elbow	6,235.69	178.92
		For Work In Restricted Working Space, Add	*80.46*	
		For Galvanized Fittings, Add	*1,432.20*	
23 21 13 23-1567	EA	20", Steel, Grooved 45 Degree Elbow	8,121.41	186.39
		For Work In Restricted Working Space, Add	*83.85*	
		For Galvanized Fittings, Add	*1,882.06*	
23 21 13 23-1568	EA	24", Steel, Grooved 45 Degree Elbow	11,614.42	220.00
		For Work In Restricted Working Space, Add	*98.92*	
		For Galvanized Fittings, Add	*2,708.32*	

23 21 13 23-1569 22-1/2 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 12

23 21 13 23-1570	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow	82.50	12.34
		For Work In Restricted Working Space, Add	*5.55*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1571	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow	87.13	15.39
		For Work In Restricted Working Space, Add	*6.94*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1572	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	92.02	18.67
		For Work In Restricted Working Space, Add	*8.40*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1573	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow	101.00	24.67
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1574	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow	109.06	30.11
		For Work In Restricted Working Space, Add	*13.52*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1575	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow	148.24	36.44
		For Work In Restricted Working Space, Add	*16.38*	
		For Galvanized Fittings, Add	*22.47*	
23 21 13 23-1576	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow	197.62	48.09
		For Work In Restricted Working Space, Add	*21.62*	
		For Galvanized Fittings, Add	*30.13*	
23 21 13 23-1577	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow	479.42	60.09
		For Work In Restricted Working Space, Add	*27.03*	
		For Galvanized Fittings, Add	*93.44*	
23 21 13 23-1578	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow	473.53	78.65
		For Work In Restricted Working Space, Add	*35.36*	
		For Galvanized Fittings, Add	*85.36*	
23 21 13 23-1579	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow	884.48	93.59
		For Work In Restricted Working Space, Add	*42.10*	
		For Galvanized Fittings, Add	*178.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1580	EA	10", Steel, Grooved 22-1/2 Degree Elbow	1,185.35	109.20
		For Work In Restricted Working Space, Add	*49.12*	
		For Galvanized Fittings, Add	*245.19*	
23 21 13 23-1581	EA	12", Steel, Grooved 22-1/2 Degree Elbow	1,577.62	131.05
		For Work In Restricted Working Space, Add	*58.94*	
		For Galvanized Fittings, Add	*331.47*	
23 21 13 23-1582	EA	14", Steel, Grooved 22-1/2 Degree Elbow	1,817.06	147.91
		For Work In Restricted Working Space, Add	*66.54*	
		For Galvanized Fittings, Add	*382.86*	
23 21 13 23-1583	EA	16", Steel, Grooved 22-1/2 Degree Elbow	2,158.85	163.76
		For Work In Restricted Working Space, Add	*73.67*	
		For Galvanized Fittings, Add	*459.19*	
23 21 13 23-1584	EA	18", Steel, Grooved 22-1/2 Degree Elbow	2,585.33	178.92
		For Work In Restricted Working Space, Add	*80.46*	
		For Galvanized Fittings, Add	*556.11*	
23 21 13 23-1585	EA	20", Steel, Grooved 22-1/2 Degree Elbow	3,018.47	186.05
		For Work In Restricted Working Space, Add	*83.70*	
		For Galvanized Fittings, Add	*657.47*	
23 21 13 23-1586	EA	24", Steel, Grooved 22-1/2 Degree Elbow	4,010.99	220.00
		For Work In Restricted Working Space, Add	*98.92*	
		For Galvanized Fittings, Add	*883.50*	

23 21 13 23-1587 11-1/4 Degree Grooved Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 13

23 21 13 23-1588	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow	82.50	12.34
		For Work In Restricted Working Space, Add	*5.55*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1589	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow	87.13	15.39
		For Work In Restricted Working Space, Add	*6.94*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1590	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	92.02	18.67
		For Work In Restricted Working Space, Add	*8.40*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1591	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow	101.00	24.67
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1592	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow	109.06	30.11
		For Work In Restricted Working Space, Add	*13.52*	
		For Galvanized Fittings, Add	*15.36*	
23 21 13 23-1593	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow	148.23	36.44
		For Work In Restricted Working Space, Add	*16.38*	
		For Galvanized Fittings, Add	*22.47*	
23 21 13 23-1594	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow	197.61	48.09
		For Work In Restricted Working Space, Add	*21.62*	
		For Galvanized Fittings, Add	*30.13*	
23 21 13 23-1595	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow	479.40	60.09
		For Work In Restricted Working Space, Add	*27.03*	
		For Galvanized Fittings, Add	*93.43*	
23 21 13 23-1596	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow	473.52	78.65
		For Work In Restricted Working Space, Add	*35.36*	
		For Galvanized Fittings, Add	*85.35*	
23 21 13 23-1597	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow	884.44	93.59
		For Work In Restricted Working Space, Add	*42.10*	
		For Galvanized Fittings, Add	*178.58*	
23 21 13 23-1598	EA	10", Steel, Grooved 11-1/4 Degree Elbow	1,185.29	109.20
		For Work In Restricted Working Space, Add	*49.12*	
		For Galvanized Fittings, Add	*245.17*	
23 21 13 23-1599	EA	12", Steel, Grooved 11-1/4 Degree Elbow	1,577.54	131.05
		For Work In Restricted Working Space, Add	*58.94*	
		For Galvanized Fittings, Add	*331.45*	
23 21 13 23-1600	EA	14", Steel, Grooved 11-1/4 Degree Elbow	1,816.98	147.91
		For Work In Restricted Working Space, Add	*66.55*	
		For Galvanized Fittings, Add	*382.84*	
23 21 13 23-1601	EA	16", Steel, Grooved 11-1/4 Degree Elbow	2,158.79	163.87
		For Work In Restricted Working Space, Add	*73.68*	
		For Galvanized Fittings, Add	*459.16*	
23 21 13 23-1602	EA	18", Steel, Grooved 11-1/4 Degree Elbow	2,585.17	178.92
		For Work In Restricted Working Space, Add	*80.45*	
		For Galvanized Fittings, Add	*556.08*	
23 21 13 23-1603	EA	20", Steel, Grooved 11-1/4 Degree Elbow	3,018.32	186.05
		For Work In Restricted Working Space, Add	*83.70*	
		For Galvanized Fittings, Add	*657.43*	
23 21 13 23-1604	EA	24", Steel, Grooved 11-1/4 Degree Elbow	4,010.79	220.00
		For Work In Restricted Working Space, Add	*98.92*	
		For Galvanized Fittings, Add	*883.45*	

23 21 13 23-1605 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1530)*

Note: Victaulic No. 100

23 21 13 23-1606	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	174.39	24.67
		For Work In Restricted Working Space, Add	*11.10*	
		For Galvanized Fittings, Add	*32.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1607	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow	443.74	30.11
		For Work In Restricted Working Space, Add	*13.52*	
		For Galvanized Fittings, Add	*95.69*	
23 21 13 23-1608	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow	192.01	36.44
		For Work In Restricted Working Space, Add	*16.38*	
		For Galvanized Fittings, Add	*32.98*	
23 21 13 23-1609	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow	277.91	48.09
		For Work In Restricted Working Space, Add	*21.62*	
		For Galvanized Fittings, Add	*49.40*	
23 21 13 23-1610	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow	1,145.08	60.09
		For Work In Restricted Working Space, Add	*27.03*	
		For Galvanized Fittings, Add	*253.20*	
23 21 13 23-1611	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow	720.00	78.65
		For Work In Restricted Working Space, Add	*35.36*	
		For Galvanized Fittings, Add	*144.51*	
23 21 13 23-1612	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow	1,584.63	93.59
		For Work In Restricted Working Space, Add	*42.10*	
		For Galvanized Fittings, Add	*346.63*	
23 21 13 23-1613	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,158.34	109.20
		For Work In Restricted Working Space, Add	*49.12*	
		For Galvanized Fittings, Add	*718.71*	
23 21 13 23-1614	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow	3,767.56	131.05
		For Work In Restricted Working Space, Add	*58.94*	
		For Galvanized Fittings, Add	*857.06*	

23 21 13 23-1615 Grooved Tees, Wyes And Crosses *(23 21 13 23-1529)*

23 21 13 23-1616 Grooved Tees *(23 21 13 23-1615)*

Note: Victaulic No. 20

23 21 13 23-1617	EA	3/4", Ductile Iron, Grooved Tee	116.17	16.18
		For Galvanized Fittings, Add	*27.55*	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-1618	EA	1", Ductile Iron, Grooved Tee	119.85	18.67
		For Galvanized Fittings, Add	*27.55*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-1619	EA	1-1/4", Ductile Iron, Grooved Tee	126.09	22.86
		For Galvanized Fittings, Add	*27.55*	
		For Work In Restricted Working Space, Add	*10.28*	
23 21 13 23-1620	EA	1-1/2", Ductile Iron, Grooved Tee	133.87	28.06
		For Galvanized Fittings, Add	*27.55*	
		For Work In Restricted Working Space, Add	*12.61*	
23 21 13 23-1621	EA	2", Ductile Iron, Grooved Tee	146.23	36.33
		For Galvanized Fittings, Add	*27.55*	
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-1622	EA	2-1/2", Ductile Iron, Grooved Tee	158.58	44.48
		For Galvanized Fittings, Add	*27.55*	
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-1623	EA	3", Ductile Iron, Grooved Tee	210.56	54.66
		For Galvanized Fittings, Add	*38.60*	
		For Work In Restricted Working Space, Add	*24.57*	
23 21 13 23-1624	EA	4", Ductile Iron, Grooved Tee	303.34	70.73
		For Galvanized Fittings, Add	*59.20*	
		For Work In Restricted Working Space, Add	*31.80*	
23 21 13 23-1625	EA	5", Ductile Iron, Grooved Tee	601.61	92.46
		For Galvanized Fittings, Add	*138.90*	
		For Work In Restricted Working Space, Add	*41.59*	
23 21 13 23-1626	EA	6", Ductile Iron, Grooved Tee	708.45	115.66
		For Galvanized Fittings, Add	*160.53*	
		For Work In Restricted Working Space, Add	*52.01*	
23 21 13 23-1627	EA	8", Ductile Iron, Grooved Tee	1,379.36	140.44
		For Galvanized Fittings, Add	*350.66*	
		For Work In Restricted Working Space, Add	*63.15*	
23 21 13 23-1628	EA	10", Ductile Iron, Grooved Tee	2,332.82	163.76
		For Galvanized Fittings, Add	*626.17*	
		For Work In Restricted Working Space, Add	*73.68*	
23 21 13 23-1629	EA	12", Ductile Iron, Grooved Tee	3,216.83	196.58
		For Galvanized Fittings, Add	*876.64*	
		For Work In Restricted Working Space, Add	*88.41*	
23 21 13 23-1630	EA	14", Steel, Grooved Tee	3,515.23	218.42
		For Galvanized Fittings, Add	*956.33*	
		For Work In Restricted Working Space, Add	*98.24*	
23 21 13 23-1631	EA	16", Steel, Grooved Tee	4,389.93	219.66
		For Galvanized Fittings, Add	*1,218.18*	
		For Work In Restricted Working Space, Add	*98.80*	
23 21 13 23-1632	EA	18", Steel, Grooved Tee	5,448.49	242.29
		For Galvanized Fittings, Add	*1,525.58*	
		For Work In Restricted Working Space, Add	*108.97*	
23 21 13 23-1633	EA	20", Steel, Grooved Tee	7,655.29	246.14
		For Galvanized Fittings, Add	*2,185.90*	
		For Work In Restricted Working Space, Add	*110.69*	
23 21 13 23-1634	EA	24", Steel, Grooved Tee	11,648.55	302.39
		For Galvanized Fittings, Add	*3,358.55*	
		For Work In Restricted Working Space, Add	*136.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1635		Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1615)* Note: Victaulic No. 33		
23 21 13 23-1636	EA	1", Steel, Grooved Wye	415.50	18.67
		For Work In Restricted Working Space, Add	*8.40*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1637	EA	1-1/4", Steel, Grooved Wye	421.74	22.86
		For Work In Restricted Working Space, Add	*10.28*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1638	EA	1-1/2", Steel, Grooved Wye	429.52	28.06
		For Work In Restricted Working Space, Add	*12.61*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1639	EA	2", Steel, Grooved Wye	441.88	36.33
		For Work In Restricted Working Space, Add	*16.32*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1640	EA	2-1/2", Steel, Grooved Wye	454.23	44.48
		For Work In Restricted Working Space, Add	*20.02*	
		For Galvanized Fittings, Add	*62.00*	
23 21 13 23-1641	EA	3", Steel, Grooved Wye	545.10	54.66
		For Work In Restricted Working Space, Add	*24.57*	
		For Galvanized Fittings, Add	*74.11*	
23 21 13 23-1642	EA	4", Steel, Grooved Wye	712.69	70.73
		For Work In Restricted Working Space, Add	*31.80*	
		For Galvanized Fittings, Add	*97.07*	
23 21 13 23-1643	EA	5", Steel, Grooved Wye	1,008.22	92.46
		For Work In Restricted Working Space, Add	*41.59*	
		For Galvanized Fittings, Add	*139.14*	
23 21 13 23-1644	EA	6", Steel, Grooved Wye	1,249.31	115.66
		For Work In Restricted Working Space, Add	*52.01*	
		For Galvanized Fittings, Add	*172.15*	
23 21 13 23-1645	EA	8", Steel, Grooved Wye	1,760.17	140.44
		For Work In Restricted Working Space, Add	*63.15*	
		For Galvanized Fittings, Add	*247.95*	
23 21 13 23-1646	EA	10", Steel, Grooved Wye	2,920.28	163.76
		For Work In Restricted Working Space, Add	*73.68*	
		For Galvanized Fittings, Add	*427.95*	
23 21 13 23-1647	EA	12", Steel, Grooved Wye	3,249.62	196.58
		For Work In Restricted Working Space, Add	*88.41*	
		For Galvanized Fittings, Add	*472.79*	
23 21 13 23-1648	EA	14", Steel, Grooved Wye	3,701.64	218.42
		For Work In Restricted Working Space, Add	*98.24*	
		For Galvanized Fittings, Add	*539.87*	
23 21 13 23-1649	EA	16", Steel, Grooved Wye	4,711.61	219.43
		For Work In Restricted Working Space, Add	*98.69*	
		For Galvanized Fittings, Add	*701.22*	
23 21 13 23-1650	EA	18", Steel, Grooved Wye	5,376.85	242.52
		For Work In Restricted Working Space, Add	*109.10*	
		For Galvanized Fittings, Add	*802.11*	
23 21 13 23-1651	EA	20", Steel, Grooved Wye	7,639.24	245.68
		For Work In Restricted Working Space, Add	*110.52*	
		For Galvanized Fittings, Add	*1,163.34*	
23 21 13 23-1652	EA	24", Steel, Grooved Wye	11,757.54	302.39
		For Work In Restricted Working Space, Add	*136.02*	
		For Galvanized Fittings, Add	*1,808.66*	
23 21 13 23-1653		Grooved Crosses *(23 21 13 23-1615)* Note: Victaulic No. 35		
23 21 13 23-1654	EA	3/4", Steel, Grooved Cross	287.36	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Galvanized Fittings, Add	*37.63*	
23 21 13 23-1655	EA	1", Steel, Grooved Cross	292.90	28.06
		For Work In Restricted Working Space, Add	*12.61*	
		For Galvanized Fittings, Add	*37.63*	
23 21 13 23-1656	EA	1-1/4", Steel, Grooved Cross	354.15	34.29
		For Work In Restricted Working Space, Add	*15.41*	
		For Galvanized Fittings, Add	*45.42*	
23 21 13 23-1657	EA	1-1/2", Steel, Grooved Cross	389.30	42.10
		For Work In Restricted Working Space, Add	*18.91*	
		For Galvanized Fittings, Add	*48.94*	
23 21 13 23-1658	EA	2", Steel, Grooved Cross	265.96	54.44
		For Work In Restricted Working Space, Add	*24.47*	
		For Galvanized Fittings, Add	*27.66*	
23 21 13 23-1659	EA	2-1/2", Steel, Grooved Cross	284.49	66.77
		For Work In Restricted Working Space, Add	*30.03*	
		For Galvanized Fittings, Add	*27.66*	
23 21 13 23-1660	EA	3", Steel, Grooved Cross	454.20	81.94
		For Work In Restricted Working Space, Add	*36.86*	
		For Galvanized Fittings, Add	*49.70*	
23 21 13 23-1661	EA	4", Steel, Grooved Cross	710.55	106.04
		For Work In Restricted Working Space, Add	*47.70*	
		For Galvanized Fittings, Add	*82.73*	
23 21 13 23-1662	EA	5", Steel, Grooved Cross	1,334.67	138.64
		For Work In Restricted Working Space, Add	*62.38*	
		For Galvanized Fittings, Add	*169.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1663	EA	6", Steel, Grooved Cross	1,709.71	173.49
		For Work In Restricted Working Space, Add	*78.01*	
		For Galvanized Fittings, Add	*217.45*	
23 21 13 23-1664	EA	8", Steel, Grooved Cross	2,224.98	210.60
		For Work In Restricted Working Space, Add	*94.73*	
		For Galvanized Fittings, Add	*286.38*	
23 21 13 23-1665	EA	10", Steel, Grooved Cross	3,624.67	245.68
		For Work In Restricted Working Space, Add	*110.52*	
		For Galvanized Fittings, Add	*488.44*	
23 21 13 23-1666	EA	12", Steel, Grooved Cross	5,141.15	294.91
		For Work In Restricted Working Space, Add	*132.62*	
		For Galvanized Fittings, Add	*704.86*	
23 21 13 23-1667	EA	14", Steel, Grooved Cross	5,359.67	327.62
		For Work In Restricted Working Space, Add	*147.36*	
		For Galvanized Fittings, Add	*730.27*	
23 21 13 23-1668	EA	16", Steel, Grooved Cross	6,862.78	329.54
		For Work In Restricted Working Space, Add	*148.21*	
		For Galvanized Fittings, Add	*955.31*	
23 21 13 23-1669	EA	18", Steel, Grooved Cross	8,351.42	363.39
		For Work In Restricted Working Space, Add	*163.45*	
		For Galvanized Fittings, Add	*1,170.99*	
23 21 13 23-1670	EA	20", Steel, Grooved Cross	11,613.08	369.05
		For Work In Restricted Working Space, Add	*166.00*	
		For Galvanized Fittings, Add	*1,658.96*	
23 21 13 23-1671	EA	24", Steel, Grooved Cross	17,753.90	453.58
		For Work In Restricted Working Space, Add	*204.03*	
		For Galvanized Fittings, Add	*2,561.07*	

23 21 13 23-1672 Grooved Reducing Tees *(23 21 13 23-1615)*

Note: Victaulic No. 25

23 21 13 23-1673	EA	1", Steel, Grooved Reducing Tee	205.21	18.67
		For Galvanized Fittings, Add	*35.44*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-1674	EA	1-1/4", Steel, Grooved Reducing Tee	217.02	22.86
		For Galvanized Fittings, Add	*36.55*	
		For Work In Restricted Working Space, Add	*10.28*	
23 21 13 23-1675	EA	1-1/2", Steel, Grooved Reducing Tee	229.35	28.06
		For Galvanized Fittings, Add	*37.46*	
		For Work In Restricted Working Space, Add	*12.61*	
23 21 13 23-1676	EA	2", Steel, Grooved Reducing Tee	273.69	36.33
		For Galvanized Fittings, Add	*43.86*	
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-1677	EA	2-1/2", Steel, Grooved Reducing Tee	308.60	44.48
		For Galvanized Fittings, Add	*48.37*	
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-1678	EA	3", Steel, Grooved Reducing Tee	346.65	54.66
		For Galvanized Fittings, Add	*52.95*	
		For Work In Restricted Working Space, Add	*24.57*	
23 21 13 23-1679	EA	4", Steel, Grooved Reducing Tee	463.03	70.73
		For Galvanized Fittings, Add	*71.41*	
		For Work In Restricted Working Space, Add	*31.80*	
23 21 13 23-1680	EA	5", Steel, Grooved Reducing Tee	610.05	92.46
		For Galvanized Fittings, Add	*94.29*	
		For Work In Restricted Working Space, Add	*41.59*	
23 21 13 23-1681	EA	6", Steel, Grooved Reducing Tee	836.55	115.66
		For Galvanized Fittings, Add	*132.64*	
		For Work In Restricted Working Space, Add	*52.01*	
23 21 13 23-1682	EA	8", Steel, Grooved Reducing Tee	1,304.78	140.44
		For Galvanized Fittings, Add	*218.85*	
		For Work In Restricted Working Space, Add	*63.15*	
23 21 13 23-1683	EA	10", Steel, Grooved Reducing Tee	1,858.76	163.76
		For Galvanized Fittings, Add	*322.63*	
		For Work In Restricted Working Space, Add	*73.68*	
23 21 13 23-1684	EA	12", Steel, Grooved Reducing Tee	2,674.41	196.58
		For Galvanized Fittings, Add	*475.94*	
		For Work In Restricted Working Space, Add	*88.41*	
23 21 13 23-1685	EA	14", Steel, Grooved Reducing Tee	3,030.28	218.42
		For Galvanized Fittings, Add	*540.56*	
		For Work In Restricted Working Space, Add	*98.24*	
23 21 13 23-1686	EA	16", Steel, Grooved Reducing Tee	3,840.26	219.66
		For Galvanized Fittings, Add	*702.18*	
		For Work In Restricted Working Space, Add	*98.81*	
23 21 13 23-1687	EA	18", Steel, Grooved Reducing Tee	4,661.41	242.29
		For Galvanized Fittings, Add	*859.65*	
		For Work In Restricted Working Space, Add	*108.95*	
23 21 13 23-1688	EA	20", Steel, Grooved Reducing Tee	6,516.10	246.03
		For Galvanized Fittings, Add	*1,229.45*	
		For Work In Restricted Working Space, Add	*110.66*	
23 21 13 23-1689	EA	24", Steel, Grooved Reducing Tee	10,355.32	302.39
		For Galvanized Fittings, Add	*1,980.38*	
		For Work In Restricted Working Space, Add	*136.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1690		**Grooved 45 Degree Lateral Wyes** *(23 21 13 23-1615)* Note: Victaulic No. 30		
23 21 13 23-1691	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye	391.29	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1692	EA	1", Steel, Grooved, 45 Degree Lateral Wye	394.97	18.67
		For Work In Restricted Working Space, Add	*8.40*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1693	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye	401.21	22.86
		For Work In Restricted Working Space, Add	*10.28*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1694	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye	408.99	28.06
		For Work In Restricted Working Space, Add	*12.61*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1695	EA	2", Steel, Grooved, 45 Degree Lateral Wye	421.35	36.33
		For Work In Restricted Working Space, Add	*16.32*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1696	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye	433.70	44.48
		For Work In Restricted Working Space, Add	*20.02*	
		For Galvanized Fittings, Add	*66.05*	
23 21 13 23-1697	EA	3", Steel, Grooved, 45 Degree Lateral Wye	398.93	54.66
		For Work In Restricted Working Space, Add	*24.57*	
		For Galvanized Fittings, Add	*57.06*	
23 21 13 23-1698	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye	631.53	63.03
		For Work In Restricted Working Space, Add	*28.33*	
		For Galvanized Fittings, Add	*96.68*	
23 21 13 23-1699	EA	4", Steel, Grooved, 45 Degree Lateral Wye	731.21	70.73
		For Work In Restricted Working Space, Add	*31.80*	
		For Galvanized Fittings, Add	*112.54*	
23 21 13 23-1700	EA	5", Steel, Grooved, 45 Degree Lateral Wye	1,052.34	92.46
		For Work In Restricted Working Space, Add	*41.59*	
		For Galvanized Fittings, Add	*164.47*	
23 21 13 23-1701	EA	6", Steel, Grooved, 45 Degree Lateral Wye	1,645.51	115.66
		For Work In Restricted Working Space, Add	*52.01*	
		For Galvanized Fittings, Add	*264.99*	
23 21 13 23-1702	EA	8", Steel, Grooved, 45 Degree Lateral Wye	2,330.95	140.44
		For Work In Restricted Working Space, Add	*63.15*	
		For Galvanized Fittings, Add	*381.68*	
23 21 13 23-1703	EA	10", Steel, Grooved, 45 Degree Lateral Wye	3,238.55	163.76
		For Work In Restricted Working Space, Add	*73.68*	
		For Galvanized Fittings, Add	*538.73*	
23 21 13 23-1704	EA	12", Steel, Grooved, 45 Degree Lateral Wye	3,913.33	196.58
		For Work In Restricted Working Space, Add	*88.41*	
		For Galvanized Fittings, Add	*651.35*	
23 21 13 23-1705	EA	14", Steel, Grooved, 45 Degree Lateral Wye	5,609.07	218.42
		For Work In Restricted Working Space, Add	*98.24*	
		For Galvanized Fittings, Add	*950.69*	
23 21 13 23-1706	EA	16", Steel, Grooved, 45 Degree Lateral Wye	6,927.51	219.66
		For Work In Restricted Working Space, Add	*98.81*	
		For Galvanized Fittings, Add	*1,187.67*	
23 21 13 23-1707	EA	18", Steel, Grooved, 45 Degree Lateral Wye	7,739.12	242.29
		For Work In Restricted Working Space, Add	*108.95*	
		For Galvanized Fittings, Add	*1,327.67*	
23 21 13 23-1708	EA	20", Steel, Grooved, 45 Degree Lateral Wye	11,556.93	246.03
		For Work In Restricted Working Space, Add	*110.66*	
		For Galvanized Fittings, Add	*2,013.85*	
23 21 13 23-1709	EA	24", Steel, Grooved, 45 Degree Lateral Wye	17,838.82	302.39
		For Work In Restricted Working Space, Add	*136.02*	
		For Galvanized Fittings, Add	*3,129.38*	
23 21 13 23-1710		**Grooved 45 Degree Lateral Reducing Wyes** *(23 21 13 23-1615)* Note: Victaulic No. 30R		
23 21 13 23-1711	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye	398.93	54.66
		For Galvanized Fittings, Add	*41.21*	
		For Work In Restricted Working Space, Add	*24.57*	
23 21 13 23-1712	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye	731.21	70.73
		For Galvanized Fittings, Add	*81.28*	
		For Work In Restricted Working Space, Add	*31.80*	
23 21 13 23-1713	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye	1,052.34	92.46
		For Galvanized Fittings, Add	*118.78*	
		For Work In Restricted Working Space, Add	*41.59*	
23 21 13 23-1714	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye	1,353.88	115.66
		For Galvanized Fittings, Add	*153.47*	
		For Work In Restricted Working Space, Add	*52.01*	
23 21 13 23-1715	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye	1,914.70	140.44
		For Galvanized Fittings, Add	*221.54*	
		For Work In Restricted Working Space, Add	*63.15*	
23 21 13 23-1716	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye	2,332.74	163.76
		For Galvanized Fittings, Add	*271.33*	
		For Work In Restricted Working Space, Add	*73.68*	
23 21 13 23-1717	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye	2,831.11	196.58
		For Galvanized Fittings, Add	*329.73*	
		For Work In Restricted Working Space, Add	*88.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1718	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye	3,168.87	218.42
		For Galvanized Fittings, Add	*369.38*	
		For Work In Restricted Working Space, Add	*98.24*	
23 21 13 23-1719	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye	4,002.14	219.66
		For Galvanized Fittings, Add	*477.46*	
		For Work In Restricted Working Space, Add	*98.81*	
23 21 13 23-1720	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye	6,002.74	242.29
		For Galvanized Fittings, Add	*733.14*	
		For Work In Restricted Working Space, Add	*108.95*	
23 21 13 23-1721	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye	8,623.70	246.03
		For Galvanized Fittings, Add	*1,073.13*	
		For Work In Restricted Working Space, Add	*110.66*	
23 21 13 23-1722	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye	13,818.29	302.39
		For Galvanized Fittings, Add	*1,737.44*	
		For Work In Restricted Working Space, Add	*136.02*	

23 21 13 23-1723 Mechanical-T Outlet *(23 21 13 23-1615)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1724	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	142.51	40.74
		For Galvanized Fittings, Add	*15.14*	
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1725	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	142.51	40.74
		For Galvanized Fittings, Add	*15.14*	
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1726	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	152.03	40.74
		For Galvanized Fittings, Add	*17.50*	
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1727	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	152.03	40.74
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1728	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	152.69	45.84
		For Work In Restricted Working Space, Add	*27.50*	
23 21 13 23-1729	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	152.69	45.84
		For Work In Restricted Working Space, Add	*27.50*	
23 21 13 23-1730	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	177.84	45.84
		For Work In Restricted Working Space, Add	*27.50*	
23 21 13 23-1731	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	172.12	50.92
		For Work In Restricted Working Space, Add	*30.56*	
23 21 13 23-1732	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	172.12	50.92
		For Work In Restricted Working Space, Add	*30.56*	
23 21 13 23-1733	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	192.37	50.92
		For Work In Restricted Working Space, Add	*30.56*	
23 21 13 23-1734	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	192.37	50.92
		For Work In Restricted Working Space, Add	*30.56*	
23 21 13 23-1735	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	206.24	50.92
		For Work In Restricted Working Space, Add	*30.56*	
23 21 13 23-1736	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	225.41	67.90
		For Work In Restricted Working Space, Add	*40.74*	
23 21 13 23-1737	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	225.41	67.90
		For Work In Restricted Working Space, Add	*40.74*	
23 21 13 23-1738	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	241.22	67.90
		For Work In Restricted Working Space, Add	*40.74*	
23 21 13 23-1739	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	245.66	67.90
		For Work In Restricted Working Space, Add	*40.74*	
23 21 13 23-1740	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	245.66	67.90
		For Work In Restricted Working Space, Add	*40.74*	
23 21 13 23-1741	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	250.10	67.90
		For Work In Restricted Working Space, Add	*40.74*	
23 21 13 23-1742	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	258.60	67.90
		For Work In Restricted Working Space, Add	*40.74*	
23 21 13 23-1743	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	321.63	93.36
		For Work In Restricted Working Space, Add	*56.02*	
23 21 13 23-1744	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	321.63	93.36
		For Work In Restricted Working Space, Add	*56.02*	
23 21 13 23-1745	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	329.31	93.36
		For Work In Restricted Working Space, Add	*56.02*	
23 21 13 23-1746	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	338.93	93.36
		For Work In Restricted Working Space, Add	*56.02*	
23 21 13 23-1747	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	375.70	118.83
		For Work In Restricted Working Space, Add	*71.30*	
23 21 13 23-1748	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	375.70	118.83
		For Work In Restricted Working Space, Add	*71.30*	
23 21 13 23-1749	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	386.98	118.83
		For Work In Restricted Working Space, Add	*71.30*	
23 21 13 23-1750	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	396.50	118.83
		For Work In Restricted Working Space, Add	*71.30*	
23 21 13 23-1751	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	413.42	118.83
		For Work In Restricted Working Space, Add	*71.30*	
23 21 13 23-1752	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	558.90	157.30
		For Work In Restricted Working Space, Add	*94.38*	
23 21 13 23-1753	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	558.90	157.30
		For Work In Restricted Working Space, Add	*94.38*	
23 21 13 23-1754	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	572.49	157.30
		For Work In Restricted Working Space, Add	*94.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1755	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	580.54	157.30
		For Work In Restricted Working Space, Add	*94.38*	

23 21 13 23-1756 Installation-Ready™ Grooved Fittings *(23 21 13 23-1529)*

23 21 13 23-1757 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 101

23 21 13 23-1758	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	271.91	11.21
		For Galvanized Fittings, Add	*84.13*	
		For Work In Restricted Working Space, Add	*5.09*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-1759	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	282.80	13.44
		For Galvanized Fittings, Add	*86.60*	
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*67.18*	
23 21 13 23-1760	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	291.47	17.92
		For Galvanized Fittings, Add	*87.22*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized Fittings, Add	*67.66*	
23 21 13 23-1761	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	352.62	22.40
		For Galvanized Fittings, Add	*105.16*	
		For Work In Restricted Working Space, Add	*10.19*	
		For Galvanized Fittings, Add	*81.58*	

23 21 13 23-1762 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1756)*

Note: Victaulic No. 103

23 21 13 23-1763	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	271.91	11.21
		For Work In Restricted Working Space, Add	*5.09*	
		For Galvanized Fittings, Add	*65.26*	
		For Galvanized Fittings, Add	*61.18*	
23 21 13 23-1764	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	282.80	13.44
		For Work In Restricted Working Space, Add	*6.11*	
		For Galvanized Fittings, Add	*67.18*	
		For Galvanized Fittings, Add	*62.98*	
23 21 13 23-1765	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	291.47	17.92
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized Fittings, Add	*67.66*	
		For Galvanized Fittings, Add	*63.43*	
23 21 13 23-1766	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	352.62	22.40
		For Work In Restricted Working Space, Add	*10.19*	
		For Galvanized Fittings, Add	*81.58*	
		For Galvanized Fittings, Add	*76.48*	

23 21 13 23-1767 Installation-Ready™ Grooved Tees *(23 21 13 23-1756)*

Note: Victaulic No. 102

23 21 13 23-1768	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	416.29	14.94
		For Galvanized Fittings, Add	*118.10*	
		For Work In Restricted Working Space, Add	*6.79*	
		For Galvanized Fittings, Add	*100.77*	
23 21 13 23-1769	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	433.93	17.92
		For Galvanized Fittings, Add	*122.03*	
		For Work In Restricted Working Space, Add	*8.15*	
		For Galvanized Fittings, Add	*104.13*	
23 21 13 23-1770	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	448.60	23.90
		For Galvanized Fittings, Add	*123.72*	
		For Work In Restricted Working Space, Add	*10.86*	
		For Galvanized Fittings, Add	*105.57*	
23 21 13 23-1771	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	521.40	29.88
		For Galvanized Fittings, Add	*142.84*	
		For Work In Restricted Working Space, Add	*13.58*	
		For Galvanized Fittings, Add	*121.89*	

23 21 13 23-1772 Grooved Fittings *(23 21 13 23-1529)*

23 21 13 23-1773 Flanged Adapter Nipple, Grooved *(23 21 13 23-1772)*

Note: Victaulic No. 41 and 45

23 21 13 23-1774	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	278.62	13.58
		For Galvanized Fittings, Add	*46.49*	
		For Work In Restricted Working Space, Add	*6.11*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1775	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	280.89	15.05
		For Galvanized Fittings, Add	*46.49*	
		For Work In Restricted Working Space, Add	*6.79*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1776	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	286.55	18.90
		For Galvanized Fittings, Add	*46.49*	
		For Work In Restricted Working Space, Add	*8.49*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1777	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	298.45	26.82
		For Galvanized Fittings, Add	*46.49*	
		For Work In Restricted Working Space, Add	*12.06*	
		For 300 Lb. Rating, Add	*38.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1778	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	306.96	32.48
		For Galvanized Fittings, Add	*46.49*	
		For Work In Restricted Working Space, Add	*14.61*	
		For 300 Lb. Rating, Add	*38.74*	
23 21 13 23-1779	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	388.58	38.82
		For Galvanized Fittings, Add	*59.48*	
		For Work In Restricted Working Space, Add	*17.44*	
		For 300 Lb. Rating, Add	*49.57*	
23 21 13 23-1780	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	472.44	52.28
		For Galvanized Fittings, Add	*70.94*	
		For Work In Restricted Working Space, Add	*23.51*	
		For 300 Lb. Rating, Add	*59.11*	
23 21 13 23-1781	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	657.97	63.26
		For Galvanized Fittings, Add	*101.36*	
		For Work In Restricted Working Space, Add	*28.45*	
		For 300 Lb. Rating, Add	*84.47*	
23 21 13 23-1782	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	770.63	85.44
		For Galvanized Fittings, Add	*115.65*	
		For Work In Restricted Working Space, Add	*38.44*	
		For 300 Lb. Rating, Add	*96.38*	
23 21 13 23-1783	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,060.22	115.66
		For Galvanized Fittings, Add	*159.63*	
		For Work In Restricted Working Space, Add	*52.01*	
		For 300 Lb. Rating, Add	*133.03*	
23 21 13 23-1784	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,657.74	140.44
		For Galvanized Fittings, Add	*260.50*	
		For Work In Restricted Working Space, Add	*63.15*	
		For 300 Lb. Rating, Add	*217.08*	
23 21 13 23-1785	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,224.40	163.76
		For Galvanized Fittings, Add	*356.19*	
		For Work In Restricted Working Space, Add	*73.68*	
		For 300 Lb. Rating, Add	*296.82*	
23 21 13 23-1786	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,628.27	196.58
		For Galvanized Fittings, Add	*420.04*	
		For Work In Restricted Working Space, Add	*88.41*	
		For 300 Lb. Rating, Add	*350.03*	
23 21 13 23-1787	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,921.18	218.42
		For Galvanized Fittings, Add	*646.87*	
		For Work In Restricted Working Space, Add	*98.24*	
		For 300 Lb. Rating, Add	*539.06*	
23 21 13 23-1788	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,712.31	327.62
		For Galvanized Fittings, Add	*759.80*	
		For Work In Restricted Working Space, Add	*147.36*	
		For 300 Lb. Rating, Add	*633.17*	
23 21 13 23-1789	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	4,989.19	393.15
		For Galvanized Fittings, Add	*791.96*	
		For Work In Restricted Working Space, Add	*176.82*	
		For 300 Lb. Rating, Add	*659.97*	
23 21 13 23-1790	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	8,245.06	436.83
		For Galvanized Fittings, Add	*1,366.23*	
		For Work In Restricted Working Space, Add	*196.47*	
		For 300 Lb. Rating, Add	*1,138.52*	

23 21 13 23-1791 Grooved Concentric Reducers *(23 21 13 23-1772)*

Note: Victaulic No. 50

23 21 13 23-1792	EA	1-1/4" x 3/4", Grooved Concentric Reducer	295.82	13.58
		For Galvanized Fittings, Add	*12.12*	
		For Work In Restricted Working Space, Add	*6.11*	
23 21 13 23-1793	EA	1-1/4" x 1", Grooved Concentric Reducer	309.36	14.37
		For Galvanized Fittings, Add	*12.67*	
		For Work In Restricted Working Space, Add	*6.45*	
23 21 13 23-1794	EA	1-1/2" x 3/4", Grooved Concentric Reducer	348.31	15.51
		For Galvanized Fittings, Add	*39.08*	
		For Work In Restricted Working Space, Add	*6.96*	
23 21 13 23-1795	EA	1-1/2" x 1", Grooved Concentric Reducer	93.95	16.18
		For Galvanized Fittings, Add	*8.37*	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-1796	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer	294.94	16.98
		For Galvanized Fittings, Add	*32.39*	
		For Work In Restricted Working Space, Add	*7.64*	
23 21 13 23-1797	EA	2" x 3/4", Grooved Concentric Reducer	97.35	18.45
		For Galvanized Fittings, Add	*8.37*	
		For Work In Restricted Working Space, Add	*8.32*	
23 21 13 23-1798	EA	2" x 1", Grooved Concentric Reducer	98.48	19.24
		For Galvanized Fittings, Add	*8.37*	
		For Work In Restricted Working Space, Add	*8.66*	
23 21 13 23-1799	EA	2" x 1-1/4", Grooved Concentric Reducer	106.60	20.03
		For Galvanized Fittings, Add	*9.21*	
		For Work In Restricted Working Space, Add	*9.00*	
23 21 13 23-1800	EA	2" x 1-1/2", Grooved Concentric Reducer	103.07	22.29
		For Galvanized Fittings, Add	*8.37*	
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-1801	EA	2-1/2" x 3/4", Grooved Concentric Reducer	597.84	20.82
		For Galvanized Fittings, Add	*68.11*	
		For Work In Restricted Working Space, Add	*9.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1802	EA	2-1/2" x 1", Grooved Concentric Reducer	476.82	21.62
		For Galvanized Fittings, Add	*53.43*	
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-1803	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer	435.82	22.29
		For Galvanized Fittings, Add	*48.36*	
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-1804	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer	106.39	24.56
		For Galvanized Fittings, Add	*8.37*	
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-1805	EA	2-1/2" x 2", Grooved Concentric Reducer	110.92	27.50
		For Galvanized Fittings, Add	*8.37*	
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-1806	EA	3" x 3/4", Grooved Concentric Reducer	606.56	24.22
		For Work In Restricted Working Space, Add	*10.88*	
		For Galvanized Fittings, Add	*86.69*	
23 21 13 23-1807	EA	3" x 1", Grooved Concentric Reducer	114.19	24.90
		For Work In Restricted Working Space, Add	*11.19*	
		For Galvanized Fittings, Add	*11.69*	
23 21 13 23-1808	EA	3" x 1-1/4", Grooved Concentric Reducer	480.18	25.69
		For Work In Restricted Working Space, Add	*11.54*	
		For Galvanized Fittings, Add	*67.14*	
23 21 13 23-1809	EA	3" x 1-1/2", Grooved Concentric Reducer	451.76	27.50
		For Work In Restricted Working Space, Add	*12.39*	
		For Galvanized Fittings, Add	*62.39*	
23 21 13 23-1810	EA	3" x 2", Grooved Concentric Reducer	106.91	30.55
		For Work In Restricted Working Space, Add	*13.75*	
		For Galvanized Fittings, Add	*9.28*	
23 21 13 23-1811	EA	3" x 2-1/2", Grooved Concentric Reducer	138.76	36.44
		For Work In Restricted Working Space, Add	*16.38*	
		For Galvanized Fittings, Add	*12.79*	
23 21 13 23-1812	EA	3-1/2" x 3", Grooved Concentric Reducer	148.52	39.27
		For Work In Restricted Working Space, Add	*17.66*	
		For Galvanized Fittings, Add	*13.63*	
23 21 13 23-1813	EA	4" x 1", Grooved Concentric Reducer	138.83	30.89
		For Galvanized Fittings, Add	*15.85*	
		For Work In Restricted Working Space, Add	*13.92*	
23 21 13 23-1814	EA	4" x 1-1/4", Grooved Concentric Reducer	778.24	31.69
		For Galvanized Fittings, Add	*125.32*	
		For Work In Restricted Working Space, Add	*14.26*	
23 21 13 23-1815	EA	4" x 1-1/2", Grooved Concentric Reducer	608.99	33.61
		For Galvanized Fittings, Add	*95.80*	
		For Work In Restricted Working Space, Add	*15.11*	
23 21 13 23-1816	EA	4" x 2", Grooved Concentric Reducer	136.20	36.66
		For Galvanized Fittings, Add	*13.94*	
		For Work In Restricted Working Space, Add	*16.47*	
23 21 13 23-1817	EA	4" x 2-1/2", Grooved Concentric Reducer	160.76	39.27
		For Galvanized Fittings, Add	*17.48*	
		For Work In Restricted Working Space, Add	*17.66*	
23 21 13 23-1818	EA	4" x 3", Grooved Concentric Reducer	165.28	42.32
		For Galvanized Fittings, Add	*17.48*	
		For Work In Restricted Working Space, Add	*19.01*	
23 21 13 23-1819	EA	4" x 3-1/2", Grooved Concentric Reducer	169.81	45.27
		For Galvanized Fittings, Add	*17.48*	
		For Work In Restricted Working Space, Add	*20.37*	
23 21 13 23-1820	EA	5" x 2", Grooved Concentric Reducer	1,092.26	42.66
		For Galvanized Fittings, Add	*176.36*	
		For Work In Restricted Working Space, Add	*19.19*	
23 21 13 23-1821	EA	5" x 2-1/2", Grooved Concentric Reducer	865.74	45.27
		For Galvanized Fittings, Add	*136.83*	
		For Work In Restricted Working Space, Add	*20.37*	
23 21 13 23-1822	EA	5" x 3", Grooved Concentric Reducer	191.71	48.32
		For Galvanized Fittings, Add	*20.46*	
		For Work In Restricted Working Space, Add	*21.73*	
23 21 13 23-1823	EA	5" x 4", Grooved Concentric Reducer	223.94	54.32
		For Galvanized Fittings, Add	*24.43*	
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1824	EA	6" x 1", Grooved Concentric Reducer	258.50	46.06
		For Galvanized Fittings, Add	*35.35*	
		For Work In Restricted Working Space, Add	*20.71*	
23 21 13 23-1825	EA	6" x 1-1/2", Grooved Concentric Reducer	1,154.18	48.67
		For Galvanized Fittings, Add	*201.75*	
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-1826	EA	6" x 2", Grooved Concentric Reducer	266.97	51.72
		For Galvanized Fittings, Add	*35.35*	
		For Work In Restricted Working Space, Add	*23.25*	
23 21 13 23-1827	EA	6" x 2-1/2", Grooved Concentric Reducer	1,168.83	54.32
		For Galvanized Fittings, Add	*202.90*	
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1828	EA	6" x 3", Grooved Concentric Reducer	275.48	57.38
		For Galvanized Fittings, Add	*35.35*	
		For Work In Restricted Working Space, Add	*25.81*	
23 21 13 23-1829	EA	6" x 4", Grooved Concentric Reducer	260.06	63.38
		For Galvanized Fittings, Add	*30.79*	
		For Work In Restricted Working Space, Add	*28.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1830	EA	6" x 5", Grooved Concentric Reducer	348.22	69.49
		For Galvanized Fittings, Add	*45.55*	
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-1831	EA	8" x 3", Grooved Concentric Reducer	435.86	64.96
		For Galvanized Fittings, Add	*63.17*	
		For Work In Restricted Working Space, Add	*29.20*	
23 21 13 23-1832	EA	8" x 4", Grooved Concentric Reducer	444.90	70.96
		For Galvanized Fittings, Add	*63.17*	
		For Work In Restricted Working Space, Add	*31.91*	
23 21 13 23-1833	EA	8" x 5", Grooved Concentric Reducer	453.97	76.95
		For Galvanized Fittings, Add	*63.17*	
		For Work In Restricted Working Space, Add	*34.63*	
23 21 13 23-1834	EA	8" x 6", Grooved Concentric Reducer	560.71	86.00
		For Galvanized Fittings, Add	*80.56*	
		For Work In Restricted Working Space, Add	*38.70*	
23 21 13 23-1835	EA	10" x 4", Grooved Concentric Reducer	924.30	78.87
		For Galvanized Fittings, Add	*150.40*	
		For Work In Restricted Working Space, Add	*35.48*	
23 21 13 23-1836	EA	10" x 5", Grooved Concentric Reducer	1,904.09	84.88
		For Galvanized Fittings, Add	*331.54*	
		For Work In Restricted Working Space, Add	*38.20*	
23 21 13 23-1837	EA	10" x 6", Grooved Concentric Reducer	1,022.33	93.93
		For Galvanized Fittings, Add	*164.47*	
		For Work In Restricted Working Space, Add	*42.27*	
23 21 13 23-1838	EA	10" x 8", Grooved Concentric Reducer	1,033.62	101.51
		For Galvanized Fittings, Add	*164.47*	
		For Work In Restricted Working Space, Add	*45.66*	
23 21 13 23-1839	EA	12" x 4", Grooved Concentric Reducer	2,802.87	89.86
		For Galvanized Fittings, Add	*400.23*	
		For Work In Restricted Working Space, Add	*40.40*	
23 21 13 23-1840	EA	12" x 6", Grooved Concentric Reducer	1,208.56	104.90
		For Galvanized Fittings, Add	*157.70*	
		For Work In Restricted Working Space, Add	*47.18*	
23 21 13 23-1841	EA	12" x 8", Grooved Concentric Reducer	1,747.81	112.49
		For Galvanized Fittings, Add	*236.88*	
		For Work In Restricted Working Space, Add	*50.58*	
23 21 13 23-1842	EA	12" x 10", Grooved Concentric Reducer	1,759.76	120.41
		For Galvanized Fittings, Add	*236.88*	
		For Work In Restricted Working Space, Add	*54.17*	
23 21 13 23-1843	EA	14" x 6", Grooved Concentric Reducer	5,527.74	113.06
		For Galvanized Fittings, Add	*164.50*	
		For Work In Restricted Working Space, Add	*50.86*	
23 21 13 23-1844	EA	14" x 8", Grooved Concentric Reducer	3,325.97	120.64
		For Galvanized Fittings, Add	*96.55*	
		For Work In Restricted Working Space, Add	*54.27*	
23 21 13 23-1845	EA	14" x 10", Grooved Concentric Reducer	2,848.25	128.56
		For Galvanized Fittings, Add	*81.52*	
		For Work In Restricted Working Space, Add	*57.82*	
23 21 13 23-1846	EA	14" x 12", Grooved Concentric Reducer	2,864.62	139.42
		For Galvanized Fittings, Add	*81.52*	
		For Work In Restricted Working Space, Add	*62.73*	
23 21 13 23-1847	EA	16" x 8", Grooved Concentric Reducer	5,038.76	128.68
		For Galvanized Fittings, Add	*148.77*	
		For Work In Restricted Working Space, Add	*57.90*	
23 21 13 23-1848	EA	16" x 10", Grooved Concentric Reducer	4,685.05	136.59
		For Galvanized Fittings, Add	*137.54*	
		For Work In Restricted Working Space, Add	*61.46*	
23 21 13 23-1849	EA	16" x 12", Grooved Concentric Reducer	4,343.09	147.57
		For Galvanized Fittings, Add	*126.54*	
		For Work In Restricted Working Space, Add	*66.36*	
23 21 13 23-1850	EA	16" x 14", Grooved Concentric Reducer	4,355.31	155.72
		For Galvanized Fittings, Add	*126.54*	
		For Work In Restricted Working Space, Add	*70.03*	
23 21 13 23-1851	EA	18" x 10", Grooved Concentric Reducer	6,542.52	144.17
		For Galvanized Fittings, Add	*194.22*	
		For Work In Restricted Working Space, Add	*64.84*	
23 21 13 23-1852	EA	18" x 12", Grooved Concentric Reducer	5,936.68	155.04
		For Galvanized Fittings, Add	*175.12*	
		For Work In Restricted Working Space, Add	*69.74*	
23 21 13 23-1853	EA	18" x 14", Grooved Concentric Reducer	5,408.73	163.19
		For Galvanized Fittings, Add	*158.53*	
		For Work In Restricted Working Space, Add	*73.42*	
23 21 13 23-1854	EA	18" x 16", Grooved Concentric Reducer	5,420.96	171.45
		For Galvanized Fittings, Add	*158.53*	
		For Work In Restricted Working Space, Add	*77.09*	
23 21 13 23-1855	EA	20" x 10", Grooved Concentric Reducer	7,195.49	147.91
		For Galvanized Fittings, Add	*214.09*	
		For Work In Restricted Working Space, Add	*66.52*	
23 21 13 23-1856	EA	20" x 12", Grooved Concentric Reducer	6,183.78	158.89
		For Galvanized Fittings, Add	*182.53*	
		For Work In Restricted Working Space, Add	*71.45*	
23 21 13 23-1857	EA	20" x 14", Grooved Concentric Reducer	6,196.01	167.03
		For Galvanized Fittings, Add	*182.53*	
		For Work In Restricted Working Space, Add	*75.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1858	EA	20" x 16", Grooved Concentric Reducer	5,537.26	175.07
		For Galvanized Fittings, Add	*161.94*	
		For Work In Restricted Working Space, Add	*78.74*	
23 21 13 23-1859	EA	20" x 18", Grooved Concentric Reducer	5,898.82	182.65
		For Galvanized Fittings, Add	*172.69*	
		For Work In Restricted Working Space, Add	*82.16*	
23 21 13 23-1860	EA	24" x 10", Grooved Concentric Reducer	15,786.72	164.54
		For Galvanized Fittings, Add	*477.08*	
		For Work In Restricted Working Space, Add	*74.00*	
23 21 13 23-1861	EA	24" x 12", Grooved Concentric Reducer	15,427.92	175.52
		For Galvanized Fittings, Add	*465.56*	
		For Work In Restricted Working Space, Add	*78.96*	
23 21 13 23-1862	EA	24" x 14", Grooved Concentric Reducer	13,459.85	183.56
		For Galvanized Fittings, Add	*404.77*	
		For Work In Restricted Working Space, Add	*82.57*	
23 21 13 23-1863	EA	24" x 16", Grooved Concentric Reducer	13,472.15	191.82
		For Galvanized Fittings, Add	*404.77*	
		For Work In Restricted Working Space, Add	*86.26*	
23 21 13 23-1864	EA	24" x 18", Grooved Concentric Reducer	11,552.58	199.29
		For Galvanized Fittings, Add	*345.49*	
		For Work In Restricted Working Space, Add	*89.63*	
23 21 13 23-1865	EA	24" x 20", Grooved Concentric Reducer	10,561.51	203.14
		For Galvanized Fittings, Add	*314.89*	
		For Work In Restricted Working Space, Add	*91.36*	

23 21 13 23-1866 Grooved Eccentric Reducers *(23 21 13 23-1772)*

Note: Victaulic No. 51

23 21 13 23-1867	EA	1-1/2" x 3/4", Grooved Eccentric Reducer	359.53	15.51
		For Galvanized Fittings, Add	*40.43*	
		For Work In Restricted Working Space, Add	*6.96*	
23 21 13 23-1868	EA	1-1/2" x 1", Grooved Eccentric Reducer	327.92	16.18
		For Galvanized Fittings, Add	*36.49*	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-1869	EA	1-1/2" x 1-1/4", Grooved Eccentric Reducer	322.44	16.98
		For Galvanized Fittings, Add	*35.70*	
		For Work In Restricted Working Space, Add	*7.64*	
23 21 13 23-1870	EA	2" x 3/4", Grooved Eccentric Reducer	681.26	18.45
		For Galvanized Fittings, Add	*78.55*	
		For Work In Restricted Working Space, Add	*8.32*	
23 21 13 23-1871	EA	2" x 1", Grooved Eccentric Reducer	364.09	19.24
		For Galvanized Fittings, Add	*40.29*	
		For Work In Restricted Working Space, Add	*8.66*	
23 21 13 23-1872	EA	2" x 1-1/4", Grooved Eccentric Reducer	397.50	20.03
		For Galvanized Fittings, Add	*44.17*	
		For Work In Restricted Working Space, Add	*9.00*	
23 21 13 23-1873	EA	2" x 1-1/2", Grooved Eccentric Reducer	341.09	22.29
		For Galvanized Fittings, Add	*36.98*	
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-1874	EA	2-1/2" x 3/4", Grooved Eccentric Reducer	884.34	20.82
		For Galvanized Fittings, Add	*102.54*	
		For Work In Restricted Working Space, Add	*9.37*	
23 21 13 23-1875	EA	2-1/2" x 1", Grooved Eccentric Reducer	827.13	21.62
		For Galvanized Fittings, Add	*95.53*	
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-1876	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer	495.04	22.29
		For Galvanized Fittings, Add	*55.48*	
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-1877	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer	402.53	24.56
		For Galvanized Fittings, Add	*43.96*	
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-1878	EA	2-1/2" x 2", Grooved Eccentric Reducer	188.63	27.50
		For Galvanized Fittings, Add	*17.71*	
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-1879	EA	3" x 1", Grooved Eccentric Reducer	889.86	24.90
		For Galvanized Fittings, Add	*102.48*	
		For Work In Restricted Working Space, Add	*11.19*	
23 21 13 23-1880	EA	3" x 1-1/4", Grooved Eccentric Reducer	810.26	25.69
		For Galvanized Fittings, Add	*92.77*	
		For Work In Restricted Working Space, Add	*11.54*	
23 21 13 23-1881	EA	3" x 1-1/2", Grooved Eccentric Reducer	464.36	27.50
		For Galvanized Fittings, Add	*50.85*	
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-1882	EA	3" x 2", Grooved Eccentric Reducer	215.16	30.55
		For Galvanized Fittings, Add	*20.35*	
		For Work In Restricted Working Space, Add	*13.75*	
23 21 13 23-1883	EA	3" x 2-1/2", Grooved Eccentric Reducer	223.93	36.44
		For Galvanized Fittings, Add	*20.35*	
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-1884	EA	3-1/2" x 3", Grooved Eccentric Reducer	995.56	39.27
		For Galvanized Fittings, Add	*112.59*	
		For Work In Restricted Working Space, Add	*17.66*	
23 21 13 23-1885	EA	4" x 1", Grooved Eccentric Reducer	1,774.50	30.89
		For Work In Restricted Working Space, Add	*13.92*	
		For Galvanized Fittings, Add	*296.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1886	EA	4" x 1-1/2", Grooved Eccentric Reducer	1,095.51	33.61
		For Work In Restricted Working Space, Add	*15.11*	
		For Galvanized Fittings, Add	*179.24*	
23 21 13 23-1887	EA	4" x 2", Grooved Eccentric Reducer	261.92	36.66
		For Work In Restricted Working Space, Add	*16.47*	
		For Galvanized Fittings, Add	*35.50*	
23 21 13 23-1888	EA	4" x 2-1/2", Grooved Eccentric Reducer	265.88	39.27
		For Work In Restricted Working Space, Add	*17.66*	
		For Galvanized Fittings, Add	*35.50*	
23 21 13 23-1889	EA	4" x 3", Grooved Eccentric Reducer	270.40	42.32
		For Work In Restricted Working Space, Add	*19.01*	
		For Galvanized Fittings, Add	*35.50*	
23 21 13 23-1890	EA	5" x 2", Grooved Eccentric Reducer	1,216.42	42.66
		For Work In Restricted Working Space, Add	*19.19*	
		For Galvanized Fittings, Add	*197.65*	
23 21 13 23-1891	EA	5" x 2-1/2", Grooved Eccentric Reducer	1,049.77	45.27
		For Work In Restricted Working Space, Add	*20.37*	
		For Galvanized Fittings, Add	*168.39*	
23 21 13 23-1892	EA	5" x 3", Grooved Eccentric Reducer	1,020.82	48.32
		For Work In Restricted Working Space, Add	*21.73*	
		For Galvanized Fittings, Add	*162.65*	
23 21 13 23-1893	EA	5" x 4", Grooved Eccentric Reducer	363.46	54.32
		For Work In Restricted Working Space, Add	*24.44*	
		For Galvanized Fittings, Add	*48.36*	
23 21 13 23-1894	EA	6" x 1", Grooved Eccentric Reducer	1,860.60	46.06
		For Galvanized Fittings, Add	*334.31*	
		For Work In Restricted Working Space, Add	*20.71*	
23 21 13 23-1895	EA	6" x 2", Grooved Eccentric Reducer	1,711.34	51.72
		For Galvanized Fittings, Add	*304.87*	
		For Work In Restricted Working Space, Add	*23.25*	
23 21 13 23-1896	EA	6" x 2-1/2", Grooved Eccentric Reducer	2,027.00	54.32
		For Galvanized Fittings, Add	*363.03*	
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-1897	EA	6" x 3", Grooved Eccentric Reducer	461.44	57.38
		For Galvanized Fittings, Add	*70.05*	
		For Work In Restricted Working Space, Add	*25.81*	
23 21 13 23-1898	EA	6" x 4", Grooved Eccentric Reducer	423.68	63.38
		For Galvanized Fittings, Add	*61.32*	
		For Work In Restricted Working Space, Add	*28.52*	
23 21 13 23-1899	EA	6" x 5", Grooved Eccentric Reducer	498.31	69.49
		For Galvanized Fittings, Add	*73.55*	
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-1900	EA	8" x 3", Grooved Eccentric Reducer	1,995.66	64.96
		For Galvanized Fittings, Add	*354.23*	
		For Work In Restricted Working Space, Add	*29.20*	
23 21 13 23-1901	EA	8" x 4", Grooved Eccentric Reducer	1,765.39	70.96
		For Galvanized Fittings, Add	*309.58*	
		For Work In Restricted Working Space, Add	*31.91*	
23 21 13 23-1902	EA	8" x 5", Grooved Eccentric Reducer	1,660.05	76.95
		For Galvanized Fittings, Add	*288.23*	
		For Work In Restricted Working Space, Add	*34.63*	
23 21 13 23-1903	EA	8" x 6", Grooved Eccentric Reducer	795.33	86.00
		For Galvanized Fittings, Add	*124.34*	
		For Work In Restricted Working Space, Add	*38.70*	
23 21 13 23-1904	EA	10" x 4", Grooved Eccentric Reducer	3,162.65	78.87
		For Galvanized Fittings, Add	*568.08*	
		For Work In Restricted Working Space, Add	*35.48*	
23 21 13 23-1905	EA	10" x 5", Grooved Eccentric Reducer	2,995.58	84.88
		For Galvanized Fittings, Add	*535.22*	
		For Work In Restricted Working Space, Add	*38.20*	
23 21 13 23-1906	EA	10" x 6", Grooved Eccentric Reducer	2,303.83	93.93
		For Galvanized Fittings, Add	*403.60*	
		For Work In Restricted Working Space, Add	*42.27*	
23 21 13 23-1907	EA	10" x 8", Grooved Eccentric Reducer	1,982.84	101.51
		For Galvanized Fittings, Add	*341.60*	
		For Work In Restricted Working Space, Add	*45.66*	
23 21 13 23-1908	EA	12" x 4", Grooved Eccentric Reducer	3,230.26	89.86
		For Galvanized Fittings, Add	*467.13*	
		For Work In Restricted Working Space, Add	*40.40*	
23 21 13 23-1909	EA	12" x 6", Grooved Eccentric Reducer	3,046.75	104.90
		For Galvanized Fittings, Add	*436.02*	
		For Work In Restricted Working Space, Add	*47.18*	
23 21 13 23-1910	EA	12" x 8", Grooved Eccentric Reducer	2,984.15	112.49
		For Galvanized Fittings, Add	*424.87*	
		For Work In Restricted Working Space, Add	*50.58*	
23 21 13 23-1911	EA	12" x 10", Grooved Eccentric Reducer	2,702.44	120.41
		For Galvanized Fittings, Add	*380.55*	
		For Work In Restricted Working Space, Add	*54.17*	
23 21 13 23-1912	EA	14" x 6", Grooved Eccentric Reducer	7,460.20	113.06
		For Galvanized Fittings, Add	*223.82*	
		For Work In Restricted Working Space, Add	*50.86*	
23 21 13 23-1913	EA	14" x 8", Grooved Eccentric Reducer	4,842.00	120.64
		For Galvanized Fittings, Add	*143.10*	
		For Work In Restricted Working Space, Add	*54.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1914	EA	14" x 10", Grooved Eccentric Reducer	4,629.79	128.56
		For Galvanized Fittings, Add	*136.22*	
		For Work In Restricted Working Space, Add	*57.82*	
23 21 13 23-1915	EA	14" x 12", Grooved Eccentric Reducer	4,646.16	139.42
		For Galvanized Fittings, Add	*136.22*	
		For Work In Restricted Working Space, Add	*62.73*	
23 21 13 23-1916	EA	16" x 8", Grooved Eccentric Reducer	8,244.63	128.68
		For Galvanized Fittings, Add	*247.19*	
		For Work In Restricted Working Space, Add	*57.90*	
23 21 13 23-1917	EA	16" x 10", Grooved Eccentric Reducer	7,645.18	136.59
		For Galvanized Fittings, Add	*228.42*	
		For Work In Restricted Working Space, Add	*61.46*	
23 21 13 23-1918	EA	16" x 12", Grooved Eccentric Reducer	7,212.44	147.57
		For Galvanized Fittings, Add	*214.63*	
		For Work In Restricted Working Space, Add	*66.36*	
23 21 13 23-1919	EA	16" x 14", Grooved Eccentric Reducer	7,224.66	155.72
		For Galvanized Fittings, Add	*214.63*	
		For Work In Restricted Working Space, Add	*70.03*	
23 21 13 23-1920	EA	18" x 10", Grooved Eccentric Reducer	10,335.70	144.17
		For Galvanized Fittings, Add	*310.67*	
		For Work In Restricted Working Space, Add	*64.84*	
23 21 13 23-1921	EA	18" x 12", Grooved Eccentric Reducer	9,734.74	155.04
		For Galvanized Fittings, Add	*291.72*	
		For Work In Restricted Working Space, Add	*69.74*	
23 21 13 23-1922	EA	18" x 14", Grooved Eccentric Reducer	8,877.99	163.19
		For Galvanized Fittings, Add	*265.04*	
		For Work In Restricted Working Space, Add	*73.42*	
23 21 13 23-1923	EA	18" x 16", Grooved Eccentric Reducer	8,890.22	171.45
		For Galvanized Fittings, Add	*265.04*	
		For Work In Restricted Working Space, Add	*77.09*	
23 21 13 23-1924	EA	20" x 10", Grooved Eccentric Reducer	13,556.91	147.91
		For Galvanized Fittings, Add	*409.39*	
		For Work In Restricted Working Space, Add	*66.52*	
23 21 13 23-1925	EA	20" x 12", Grooved Eccentric Reducer	10,102.04	158.89
		For Galvanized Fittings, Add	*302.82*	
		For Work In Restricted Working Space, Add	*71.45*	
23 21 13 23-1926	EA	20" x 14", Grooved Eccentric Reducer	9,497.62	167.03
		For Galvanized Fittings, Add	*283.89*	
		For Work In Restricted Working Space, Add	*75.11*	
23 21 13 23-1927	EA	20" x 16", Grooved Eccentric Reducer	9,360.06	175.07
		For Galvanized Fittings, Add	*279.30*	
		For Work In Restricted Working Space, Add	*78.74*	
23 21 13 23-1928	EA	20" x 18", Grooved Eccentric Reducer	9,022.92	182.65
		For Galvanized Fittings, Add	*268.60*	
		For Work In Restricted Working Space, Add	*82.16*	
23 21 13 23-1929	EA	24" x 12", Grooved Eccentric Reducer	19,567.55	175.52
		For Galvanized Fittings, Add	*592.64*	
		For Work In Restricted Working Space, Add	*78.96*	
23 21 13 23-1930	EA	24" x 14", Grooved Eccentric Reducer	16,728.07	183.56
		For Galvanized Fittings, Add	*505.10*	
		For Work In Restricted Working Space, Add	*82.57*	
23 21 13 23-1931	EA	24" x 16", Grooved Eccentric Reducer	16,740.37	191.82
		For Galvanized Fittings, Add	*505.10*	
		For Work In Restricted Working Space, Add	*86.26*	
23 21 13 23-1932	EA	24" x 18", Grooved Eccentric Reducer	15,817.65	199.29
		For Galvanized Fittings, Add	*476.43*	
		For Work In Restricted Working Space, Add	*89.63*	
23 21 13 23-1933	EA	24" x 20", Grooved Eccentric Reducer	14,466.34	203.14
		For Galvanized Fittings, Add	*434.77*	
		For Work In Restricted Working Space, Add	*91.36*	

23 21 13 23-1934 Grooved, Close Nipple *(23 21 13 23-1772)*

Note: Victaulic No. 143

23 21 13 23-1935	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	64.50	14.94
		For Galvanized Fittings, Add	*7.53*	
		For Work In Restricted Working Space, Add	*6.79*	
		For Galvanized Fittings, Add	*10.72*	
		For 300 Lb. Rating, Add	*6.28*	
23 21 13 23-1936	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	73.91	18.67
		For Galvanized Fittings, Add	*8.21*	
		For Work In Restricted Working Space, Add	*8.49*	
		For Galvanized Fittings, Add	*11.68*	
		For 300 Lb. Rating, Add	*6.84*	
23 21 13 23-1937	EA	2" Ductile Iron, Grooved, Close Nipple	92.34	24.65
		For Galvanized Fittings, Add	*9.90*	
		For Work In Restricted Working Space, Add	*11.21*	
		For Galvanized Fittings, Add	*14.08*	
		For 300 Lb. Rating, Add	*8.25*	
23 21 13 23-1938	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	110.25	29.88
		For Galvanized Fittings, Add	*11.70*	
		For Work In Restricted Working Space, Add	*13.58*	
		For Galvanized Fittings, Add	*16.63*	
		For 300 Lb. Rating, Add	*9.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1939		**Grooved Caps** *(23 21 13 23-1772)* Note: Victaulic No. 60		
23 21 13 23-1940	EA	1" Carbon Steel Grooved Cap	118.90	4.64
		For Work In Restricted Working Space, Add	*2.78*	
23 21 13 23-1941	EA	1-1/4" Carbon Steel Grooved Cap	121.16	5.77
		For Work In Restricted Working Space, Add	*3.46*	
23 21 13 23-1942	EA	1-1/2" Carbon Steel Grooved Cap	123.66	7.02
		For Work In Restricted Working Space, Add	*4.21*	
23 21 13 23-1943	EA	2" Carbon Steel Grooved Cap	128.07	9.28
		For Work In Restricted Working Space, Add	*5.54*	
23 21 13 23-1944	EA	2-1/2" Carbon Steel Grooved Cap	132.15	11.32
		For Work In Restricted Working Space, Add	*6.76*	
23 21 13 23-1945	EA	3" Carbon Steel Grooved Cap	136.90	13.69
		For Work In Restricted Working Space, Add	*8.18*	
23 21 13 23-1946	EA	4" Carbon Steel Grooved Cap	152.88	18.10
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-1947	EA	5" Carbon Steel Grooved Cap	313.42	22.53
		For Work In Restricted Working Space, Add	*13.51*	
23 21 13 23-1948	EA	6" Carbon Steel Grooved Cap	326.97	29.53
		For Work In Restricted Working Space, Add	*17.69*	
23 21 13 23-1949	EA	8" Carbon Steel Grooved Cap	579.78	35.08
		For Work In Restricted Working Space, Add	*21.05*	
23 21 13 23-1950	EA	10" Carbon Steel Grooved Cap	970.58	40.96
		For Work In Restricted Working Space, Add	*24.55*	
23 21 13 23-1951	EA	12" Carbon Steel Grooved Cap	1,652.18	49.12
		For Work In Restricted Working Space, Add	*29.47*	
23 21 13 23-1952		**Grooved Couplings** *(23 21 13 23-1529)*		
23 21 13 23-1953		**Flexible Grooved Coupling** *(23 21 13 23-1952)* Note: Victaulic Style 77		
23 21 13 23-1954	EA	3/4" Grooved Standard Coupling	23.22	6.11
		For Work In Restricted Working Space, Add	*2.77*	
		For Galvanized Fittings, Add	*3.91*	
23 21 13 23-1955	EA	1" Grooved Standard Coupling	23.22	6.11
		For Work In Restricted Working Space, Add	*2.77*	
		For Galvanized Fittings, Add	*3.91*	
23 21 13 23-1956	EA	1-1/4" Grooved Standard Coupling	30.16	7.69
		For Work In Restricted Working Space, Add	*3.47*	
		For Galvanized Fittings, Add	*5.21*	
23 21 13 23-1957	EA	1-1/2" Grooved Standard Coupling	34.13	9.16
		For Work In Restricted Working Space, Add	*4.14*	
		For Galvanized Fittings, Add	*5.69*	
23 21 13 23-1958	EA	2" Grooved Standard Coupling	39.97	12.34
		For Work In Restricted Working Space, Add	*5.55*	
		For Galvanized Fittings, Add	*6.01*	
23 21 13 23-1959	EA	2-1/2" Grooved Standard Coupling	48.24	15.05
		For Work In Restricted Working Space, Add	*6.76*	
		For Galvanized Fittings, Add	*7.20*	
23 21 13 23-1960	EA	3" Grooved Standard Coupling	52.61	17.99
		For Work In Restricted Working Space, Add	*8.07*	
		For Galvanized Fittings, Add	*7.20*	
23 21 13 23-1961	EA	3-1/2" Grooved Standard Coupling	73.05	21.05
		For Work In Restricted Working Space, Add	*9.49*	
		For Galvanized Fittings, Add	*11.60*	
23 21 13 23-1962	EA	4" Grooved Standard Coupling	77.47	24.00
		For Work In Restricted Working Space, Add	*10.81*	
		For Galvanized Fittings, Add	*11.60*	
23 21 13 23-1963	EA	5" Grooved Standard Coupling	108.56	30.11
		For Work In Restricted Working Space, Add	*13.52*	
		For Galvanized Fittings, Add	*17.78*	
23 21 13 23-1964	EA	6" Grooved Standard Coupling	134.03	39.27
		For Work In Restricted Working Space, Add	*17.69*	
		For Galvanized Fittings, Add	*21.02*	
23 21 13 23-1965	EA	8" Grooved Standard Coupling	192.54	46.85
		For Work In Restricted Working Space, Add	*21.05*	
		For Galvanized Fittings, Add	*34.27*	
23 21 13 23-1966	EA	10" Grooved Standard Coupling	287.59	56.13
		For Work In Restricted Working Space, Add	*25.26*	
		For Galvanized Fittings, Add	*56.95*	
23 21 13 23-1967	EA	12" Grooved Standard Coupling	323.68	61.45
		For Work In Restricted Working Space, Add	*27.63*	
		For Galvanized Fittings, Add	*64.84*	
23 21 13 23-1968	EA	14" Grooved Standard Coupling	404.13	81.94
		For Work In Restricted Working Space, Add	*36.84*	
		For Galvanized Fittings, Add	*78.77*	
23 21 13 23-1969	EA	16" Grooved Standard Coupling	516.38	98.35
		For Work In Restricted Working Space, Add	*44.21*	
		For Galvanized Fittings, Add	*103.33*	
23 21 13 23-1970	EA	18" Grooved Standard Coupling	595.90	109.20
		For Work In Restricted Working Space, Add	*49.12*	
		For Galvanized Fittings, Add	*121.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1971	EA	20" Grooved Standard Coupling	864.07	122.90
		For Work In Restricted Working Space, Add	*55.26*	
		For Galvanized Fittings, Add	*190.37*	
23 21 13 23-1972	EA	24" Grooved Standard Coupling	972.29	151.19
		For Work In Restricted Working Space, Add	*68.01*	
		For Galvanized Fittings, Add	*208.77*	

23 21 13 23-1973 Zero-Flex® Rigid Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 07

23 21 13 23-1974	EA	1" Grooved Rigid Coupling	28.69	6.11
		For Work In Restricted Working Space, Add	*2.77*	
		For Galvanized Fittings, Add	*4.77*	
23 21 13 23-1975	EA	1-1/4" Grooved Rigid Coupling	31.01	7.69
		For Work In Restricted Working Space, Add	*3.47*	
		For Galvanized Fittings, Add	*4.77*	
23 21 13 23-1976	EA	1-1/2" Grooved Rigid Coupling	33.25	9.16
		For Work In Restricted Working Space, Add	*4.14*	
		For Galvanized Fittings, Add	*4.77*	
23 21 13 23-1977	EA	2" Grooved Rigid Coupling	38.43	12.34
		For Work In Restricted Working Space, Add	*5.55*	
		For Galvanized Fittings, Add	*4.89*	
23 21 13 23-1978	EA	2-1/2" Grooved Rigid Coupling	45.52	15.05
		For Work In Restricted Working Space, Add	*6.76*	
		For Galvanized Fittings, Add	*5.63*	
23 21 13 23-1979	EA	3" Grooved Rigid Coupling	49.89	17.99
		For Work In Restricted Working Space, Add	*8.07*	
		For Galvanized Fittings, Add	*5.63*	
23 21 13 23-1980	EA	3-1/2" Grooved Rigid Coupling	58.49	21.05
		For Work In Restricted Working Space, Add	*9.49*	
		For Galvanized Fittings, Add	*6.58*	
23 21 13 23-1981	EA	4" Grooved Rigid Coupling	74.11	24.00
		For Work In Restricted Working Space, Add	*10.81*	
		For Galvanized Fittings, Add	*9.33*	
23 21 13 23-1982	EA	5" Grooved Rigid Coupling	94.50	30.11
		For Work In Restricted Working Space, Add	*13.52*	
		For Galvanized Fittings, Add	*12.12*	
23 21 13 23-1983	EA	6" Grooved Rigid Coupling	125.05	39.27
		For Work In Restricted Working Space, Add	*17.69*	
		For Galvanized Fittings, Add	*16.19*	
23 21 13 23-1984	EA	8" Grooved Rigid Coupling	174.29	46.85
		For Work In Restricted Working Space, Add	*21.05*	
		For Galvanized Fittings, Add	*25.51*	
23 21 13 23-1985	EA	10" Grooved Rigid Coupling	270.78	56.13
		For Work In Restricted Working Space, Add	*25.26*	
		For Galvanized Fittings, Add	*45.71*	
23 21 13 23-1986	EA	12" Grooved Rigid Coupling	300.89	61.45
		For Work In Restricted Working Space, Add	*27.63*	
		For Galvanized Fittings, Add	*51.15*	
23 21 13 23-1987	EA	14" Grooved Rigid Coupling	395.59	81.94
		For Work In Restricted Working Space, Add	*36.84*	
		For Galvanized Fittings, Add	*66.83*	
23 21 13 23-1988	EA	16" Grooved Rigid Coupling	503.13	98.35
		For Work In Restricted Working Space, Add	*44.21*	
		For Galvanized Fittings, Add	*87.16*	
23 21 13 23-1989	EA	18" Grooved Rigid Coupling	575.01	109.20
		For Work In Restricted Working Space, Add	*49.12*	
		For Galvanized Fittings, Add	*100.76*	
23 21 13 23-1990	EA	20" Grooved Rigid Coupling	673.84	122.90
		For Work In Restricted Working Space, Add	*55.26*	
		For Galvanized Fittings, Add	*119.96*	
23 21 13 23-1991	EA	24" Grooved Rigid Coupling	947.93	151.19
		For Work In Restricted Working Space, Add	*68.01*	
		For Galvanized Fittings, Add	*176.70*	

23 21 13 23-1992 Large Diameter Grooved Coupling *(23 21 13 23-1952)*

Note: Victaulic Style 770

23 21 13 23-1993	EA	28" Grooved Coupling	910.50	30.11
		For Galvanized Fittings, Add	*121.16*	
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-1994	EA	30" Grooved Coupling	1,055.36	39.27
		For Galvanized Fittings, Add	*139.50*	
		For Work In Restricted Working Space, Add	*17.69*	
23 21 13 23-1995	EA	32" Grooved Coupling	1,562.35	46.85
		For Galvanized Fittings, Add	*208.91*	
		For Work In Restricted Working Space, Add	*21.05*	
23 21 13 23-1996	EA	36" Grooved Coupling	2,072.15	56.13
		For Galvanized Fittings, Add	*278.31*	
		For Work In Restricted Working Space, Add	*25.26*	
23 21 13 23-1997	EA	42" Grooved Coupling	4,112.55	61.45
		For Galvanized Fittings, Add	*562.86*	
		For Work In Restricted Working Space, Add	*27.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1998		**Flexible Coupling** *(23 21 13 23-1952)* Note: Victaulic Style 75		
23 21 13 23-1999	EA	1-1/2" Grooved Flexible Coupling	31.48	9.16
		For Work In Restricted Working Space, Add	*4.14*	
		For Galvanized Fittings, Add	*4.53*	
23 21 13 23-2000	EA	2" Grooved Flexible Coupling	36.62	12.34
		For Work In Restricted Working Space, Add	*5.55*	
		For Galvanized Fittings, Add	*4.64*	
23 21 13 23-2001	EA	2-1/2" Grooved Flexible Coupling	43.55	15.05
		For Work In Restricted Working Space, Add	*6.76*	
		For Galvanized Fittings, Add	*5.38*	
23 21 13 23-2002	EA	3" Grooved Flexible Coupling	51.34	17.99
		For Work In Restricted Working Space, Add	*8.07*	
		For Galvanized Fittings, Add	*6.26*	
23 21 13 23-2003	EA	3-1/2" Grooved Flexible Coupling	66.23	21.05
		For Work In Restricted Working Space, Add	*9.49*	
		For Galvanized Fittings, Add	*8.86*	
23 21 13 23-2004	EA	4" Grooved Flexible Coupling	70.65	24.00
		For Work In Restricted Working Space, Add	*10.81*	
		For Galvanized Fittings, Add	*8.86*	
23 21 13 23-2005	EA	5" Grooved Flexible Coupling	94.99	30.11
		For Work In Restricted Working Space, Add	*13.52*	
		For Galvanized Fittings, Add	*12.78*	
23 21 13 23-2006	EA	6" Grooved Flexible Coupling	119.11	39.27
		For Work In Restricted Working Space, Add	*17.69*	
		For Galvanized Fittings, Add	*15.40*	
23 21 13 23-2007	EA	8" Grooved Flexible Coupling	164.73	46.85
		For Work In Restricted Working Space, Add	*21.05*	
		For Galvanized Fittings, Add	*24.21*	
23 21 13 23-2008		**Installation-Ready™ Coupling** *(23 21 13 23-1952)* Note: Victaulic Style 009N		
23 21 13 23-2009	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	82.41	5.71
		For Work In Restricted Working Space, Add	*2.60*	
		For Galvanized Fittings, Add	*18.88*	
23 21 13 23-2010	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	85.62	6.84
		For Work In Restricted Working Space, Add	*3.11*	
		For Galvanized Fittings, Add	*19.27*	
23 21 13 23-2011	EA	2" Ductile Iron, Installation-Ready™ Coupling	99.06	9.18
		For Work In Restricted Working Space, Add	*4.18*	
		For Galvanized Fittings, Add	*21.80*	
23 21 13 23-2012	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	114.95	11.13
		For Work In Restricted Working Space, Add	*5.06*	
		For Galvanized Fittings, Add	*25.11*	
23 21 13 23-2013	EA	3" Ductile Iron, Installation-Ready™ Coupling	131.25	13.37
		For Work In Restricted Working Space, Add	*6.08*	
		For Galvanized Fittings, Add	*28.41*	
23 21 13 23-2014	EA	4" Ductile Iron, Installation-Ready™ Coupling	182.91	17.85
		For Work In Restricted Working Space, Add	*8.12*	
		For Galvanized Fittings, Add	*39.90*	
23 21 13 23-2015	EA	5" Ductile Iron, Installation-Ready™ Coupling	288.76	22.33
		For Work In Restricted Working Space, Add	*10.15*	
		For Galvanized Fittings, Add	*65.26*	
23 21 13 23-2016	EA	6" Ductile Iron, Installation-Ready™ Coupling	348.86	29.20
		For Work In Restricted Working Space, Add	*13.28*	
		For Galvanized Fittings, Add	*77.98*	
23 21 13 23-2017	EA	8" Ductile Iron, Installation-Ready™ Coupling	561.55	34.73
		For Work In Restricted Working Space, Add	*15.79*	
		For Galvanized Fittings, Add	*130.29*	
23 21 13 23-2018		**Grooved Strainers And Suction Diffusers** *(23 21 13 23-1529)*		
23 21 13 23-2019		**Grooved Wye Strainers** *(23 21 13 23-2018)* Note: Victaulic Style 732		
23 21 13 23-2020	EA	2" Grooved Wye Strainer	2,659.99	24.90
		For Work In Restricted Working Space, Add	*11.10*	
23 21 13 23-2021	EA	2-1/2" Grooved Wye Strainer	2,800.26	30.22
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2022	EA	3" Grooved Wye Strainer	3,149.18	36.21
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-2023	EA	4" Grooved Wye Strainer	3,574.93	48.32
		For Work In Restricted Working Space, Add	*21.62*	
23 21 13 23-2024	EA	5" Grooved Wye Strainer	5,164.24	60.44
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-2025	EA	6" Grooved Wye Strainer	5,626.49	78.54
		For Work In Restricted Working Space, Add	*35.36*	
23 21 13 23-2026	EA	8" Grooved Wye Strainer	8,585.29	93.59
		For Work In Restricted Working Space, Add	*42.10*	
23 21 13 23-2027	EA	10" Grooved Wye Strainer	13,739.38	109.43
		For Work In Restricted Working Space, Add	*49.12*	
23 21 13 23-2028	EA	12" Grooved Wye Strainer	23,912.03	131.39
		For Work In Restricted Working Space, Add	*58.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2029		**Grooved Tee Type Strainers** *(23 21 13 23-2018)* Note: Victaulic Style 730		
23 21 13 23-2030	EA	1-1/2" Grooved Tee Type Strainer	2,052.14	18.90
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-2031	EA	2" Grooved Tee Type Strainer	2,627.62	24.90
		For Work In Restricted Working Space, Add	*11.10*	
23 21 13 23-2032	EA	2-1/2" Grooved Tee Type Strainer	2,766.62	30.22
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2033	EA	3" Grooved Tee Type Strainer	3,111.17	36.21
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-2034	EA	4" Grooved Tee Type Strainer	3,531.83	48.32
		For Work In Restricted Working Space, Add	*21.62*	
23 21 13 23-2035	EA	5" Grooved Tee Type Strainer	5,101.49	60.44
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-2036	EA	6" Grooved Tee Type Strainer	5,558.83	78.54
		For Work In Restricted Working Space, Add	*35.36*	
23 21 13 23-2037	EA	8" Grooved Tee Type Strainer	8,480.54	93.59
		For Work In Restricted Working Space, Add	*42.10*	
23 21 13 23-2038	EA	10" Grooved Tee Type Strainer	12,413.60	109.43
		For Work In Restricted Working Space, Add	*49.12*	
23 21 13 23-2039	EA	12" Grooved Tee Type Strainer	15,965.39	131.39
		For Work In Restricted Working Space, Add	*58.94*	
23 21 13 23-2040	EA	14" Grooved Tee Type Strainer	56,427.68	147.91
		For Work In Restricted Working Space, Add	*66.57*	
23 21 13 23-2041	EA	16" Grooved Tee Type Strainer	70,101.21	163.76
		For Work In Restricted Working Space, Add	*73.68*	
23 21 13 23-2042	EA	18" Grooved Tee Type Strainer	92,148.76	178.92
		For Work In Restricted Working Space, Add	*80.45*	
23 21 13 23-2043		**Grooved Suction Diffuser** *(23 21 13 23-2018)* Note: Victaulic Style 731		
23 21 13 23-2044	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,420.42	27.95
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-2045	EA	3" Grooved x 2" Flanged Suction Diffuser	5,754.13	30.89
		For Work In Restricted Working Space, Add	*13.75*	
23 21 13 23-2046	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	4,157.42	36.21
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-2047	EA	3" Grooved x 3" Flanged Suction Diffuser	4,216.22	39.27
		For Work In Restricted Working Space, Add	*17.66*	
23 21 13 23-2048	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,567.04	39.27
		For Work In Restricted Working Space, Add	*17.66*	
23 21 13 23-2049	EA	4" Grooved x 3" Flanged Suction Diffuser	4,927.28	42.32
		For Work In Restricted Working Space, Add	*19.01*	
23 21 13 23-2050	EA	4" Grooved x 4" Flanged Suction Diffuser	5,696.59	42.32
		For Work In Restricted Working Space, Add	*19.19*	
23 21 13 23-2051	EA	5" Grooved x 4" Flanged Suction Diffuser	6,360.45	54.32
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-2052	EA	5" Grooved x 5" Flanged Suction Diffuser	6,683.62	57.38
		For Work In Restricted Working Space, Add	*25.81*	
23 21 13 23-2053	EA	6" Grooved x 4" Flanged Suction Diffuser	6,789.78	63.38
		For Work In Restricted Working Space, Add	*28.52*	
23 21 13 23-2054	EA	6" Grooved x 5" Flanged Suction Diffuser	8,112.61	69.49
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-2055	EA	6" Grooved x 6" Flanged Suction Diffuser	8,426.18	74.01
		For Work In Restricted Working Space, Add	*33.27*	
23 21 13 23-2056	EA	8" Grooved x 5" Flanged Suction Diffuser	8,645.86	76.95
		For Work In Restricted Working Space, Add	*34.63*	
23 21 13 23-2057	EA	8" Grooved x 6" Flanged Suction Diffuser	9,124.28	86.00
		For Work In Restricted Working Space, Add	*38.70*	
23 21 13 23-2058	EA	8" Grooved x 8" Flanged Suction Diffuser	15,620.07	93.59
		For Work In Restricted Working Space, Add	*42.10*	
23 21 13 23-2059	EA	10" Grooved x 8" Flanged Suction Diffuser	17,619.14	101.17
		For Work In Restricted Working Space, Add	*45.66*	
23 21 13 23-2060	EA	10" Grooved x 10" Flanged Suction Diffuser	21,205.08	104.90
		For Work In Restricted Working Space, Add	*47.18*	
23 21 13 23-2061	EA	12" Grooved x 10" Flanged Suction Diffuser	25,094.58	120.75
		For Work In Restricted Working Space, Add	*54.17*	
23 21 13 23-2062	EA	12" Grooved x 12" Flanged Suction Diffuser	34,846.36	128.34
		For Work In Restricted Working Space, Add	*57.70*	
23 21 13 23-2063	EA	14" Grooved x 10" Flanged Suction Diffuser	32,443.99	128.34
		For Work In Restricted Working Space, Add	*57.82*	
23 21 13 23-2064	EA	14" Grooved x 12" Flanged Suction Diffuser	36,236.00	139.65
		For Work In Restricted Working Space, Add	*62.73*	
23 21 13 23-2065	EA	14" Grooved x 14" Flanged Suction Diffuser	43,971.25	147.91
		For Work In Restricted Working Space, Add	*66.36*	
23 21 13 23-2066	EA	16" Grooved x 14" Flanged Suction Diffuser	45,267.96	155.49
		For Work In Restricted Working Space, Add	*70.03*	
23 21 13 23-2067		**Grooved Steel Valves** *(23 21 13 23-1529)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2068		**Grooved Butterfly Valves With Standard Trim** *(23 21 13 23-2067)*		
23 21 13 23-2069	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	290.70	12.34
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-2070	EA	2" Butterfly Valve, Grooved, With Standard Trim	296.54	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2071	EA	3" Butterfly Valve, Grooved, With Standard Trim	486.48	24.00
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2072	EA	4" Butterfly Valve, Grooved, With Standard Trim	653.42	31.58
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2073	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,425.63	51.72
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2074	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,975.72	72.77
		For Work In Restricted Working Space, Add	*32.75*	
23 21 13 23-2075	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,966.66	98.35
		For Work In Restricted Working Space, Add	*44.21*	
23 21 13 23-2076		**Grooved Butterfly Valves With Stainless Steel Trim** *(23 21 13 23-2067)*		
23 21 13 23-2077	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	436.52	12.34
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-2078	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	442.36	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2079	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	684.15	24.00
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2080	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	870.54	31.58
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2081	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,665.43	51.72
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2082	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,766.42	72.77
		For Work In Restricted Working Space, Add	*32.75*	
23 21 13 23-2083	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,360.10	98.35
		For Work In Restricted Working Space, Add	*44.21*	
23 21 13 23-2084		**Grooved Ball Valves With Standard Trim And Handle** *(23 21 13 23-2067)*		
		Note: Victaulic No. 721		
23 21 13 23-2085	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	245.37	12.11
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-2086	EA	2" Ball Valve, Grooved, With Standard Trim	281.18	16.63
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2087	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	641.17	20.37
		For Work In Restricted Working Space, Add	*9.16*	
23 21 13 23-2088	EA	3" Ball Valve, Grooved, With Standard Trim	1,051.03	24.11
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2089	EA	4" Ball Valve, Grooved, With Standard Trim	1,636.48	31.69
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2090	EA	6" Ball Valve, Grooved, With Standard Trim	5,086.26	52.06
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2091		**Grooved Ball Valves With Stainless Steel Trim And Handle** *(23 21 13 23-2067)*		
		Note: Victaulic No. 721		
23 21 13 23-2092	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	261.34	12.11
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-2093	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	446.97	16.63
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2094	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,163.94	20.37
		For Work In Restricted Working Space, Add	*9.16*	
23 21 13 23-2095	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,505.08	24.11
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2096	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	2,056.07	31.69
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2097	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,606.19	52.06
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2098		**Grooved Check Valves** *(23 21 13 23-2067)*		
		Note: Victaulic No. 712		
23 21 13 23-2099	EA	2" Check Valve, Grooved	372.45	16.63
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2100	EA	2-1/2" Check Valve, Grooved	604.31	20.37
		For Work In Restricted Working Space, Add	*9.16*	
23 21 13 23-2101	EA	3" Check Valve, Grooved	704.14	24.11
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2102	EA	4" Check Valve, Grooved	997.99	31.69
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2103		**Grooved Vic-Check Check Valves** *(23 21 13 23-2067)*		
		Note: Victaulic No. 716		
23 21 13 23-2104	EA	2-1/2" "Vic-Check" Check Valve, Grooved	483.07	20.37
		For Work In Restricted Working Space, Add	*9.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2105	EA	3" "Vic-Check" Check Valve, Grooved	488.57	24.11
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2106	EA	4" "Vic-Check" Check Valve, Grooved	612.35	31.69
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2107	EA	6" "Vic-Check" Check Valve, Grooved	1,193.32	52.06
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2108	EA	8" "Vic-Check" Check Valve, Grooved	1,632.89	72.43
		For Work In Restricted Working Space, Add	*32.37*	
23 21 13 23-2109	EA	10" "Vic-Check" Check Valve, Grooved	4,559.28	98.12
		For Work In Restricted Working Space, Add	*43.84*	
23 21 13 23-2110	EA	12" "Vic-Check" Check Valve, Grooved	5,398.88	113.28
		For Work In Restricted Working Space, Add	*50.58*	

23 21 13 23-2111 Grooved Plug Valves With Lever Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2112	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	1,378.71	24.11
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2113	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	1,524.90	31.69
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2114	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	2,727.44	52.06
		For Work In Restricted Working Space, Add	*23.27*	

23 21 13 23-2115 Grooved Plug Valve With Gear Operator *(23 21 13 23-2067)*

Note: Victaulic No. 377

23 21 13 23-2116	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	2,461.56	24.11
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2117	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	2,607.84	31.69
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2118	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	3,810.39	52.06
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2119	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	5,094.15	72.43
		For Work In Restricted Working Space, Add	*32.37*	
23 21 13 23-2120	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	8,009.46	98.12
		For Work In Restricted Working Space, Add	*43.84*	
23 21 13 23-2121	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	11,622.13	113.28
		For Work In Restricted Working Space, Add	*50.58*	

23 21 13 23-2122 Prepare Pipe For Groove *(23 21 13 23-1529)*

23 21 13 23-2123 Cut Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2124	EA	Cut 3/4" Groove Pipe	11.85	
		For Work In Restricted Working Space, Add	*3.56*	
23 21 13 23-2125	EA	Cut 1" Groove Pipe	12.87	
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-2126	EA	Cut 1-1/4" Groove Pipe	14.53	
		For Work In Restricted Working Space, Add	*4.36*	
23 21 13 23-2127	EA	Cut 1-1/2" Groove Pipe	15.81	
		For Work In Restricted Working Space, Add	*4.74*	
23 21 13 23-2128	EA	Cut 2" Groove Pipe	17.33	
		For Work In Restricted Working Space, Add	*5.20*	
23 21 13 23-2129	EA	Cut 2-1/2" Groove Pipe	18.77	
		For Work In Restricted Working Space, Add	*5.63*	
23 21 13 23-2130	EA	Cut 3" Groove Pipe	20.48	
		For Work In Restricted Working Space, Add	*6.14*	
23 21 13 23-2131	EA	Cut 3-1/2" Groove Pipe	21.71	
		For Work In Restricted Working Space, Add	*6.51*	
23 21 13 23-2132	EA	Cut 4" Groove Pipe	23.10	
		For Work In Restricted Working Space, Add	*6.93*	
23 21 13 23-2133	EA	Cut 5" Groove Pipe	25.03	
		For Work In Restricted Working Space, Add	*7.51*	
23 21 13 23-2134	EA	Cut 6" Groove Pipe	25.75	
		For Work In Restricted Working Space, Add	*7.73*	
23 21 13 23-2135	EA	Cut 8" Groove Pipe	33.37	
		For Work In Restricted Working Space, Add	*10.01*	
23 21 13 23-2136	EA	Cut 10" Groove Pipe	47.43	
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2137	EA	Cut 12" Groove Pipe	60.06	
		For Work In Restricted Working Space, Add	*18.02*	
23 21 13 23-2138	EA	Cut 14" Groove Pipe	90.10	
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-2139	EA	Cut 16" Groove Pipe	94.84	
		For Work In Restricted Working Space, Add	*28.45*	
23 21 13 23-2140	EA	Cut 18" Groove Pipe	100.11	
		For Work In Restricted Working Space, Add	*30.03*	
23 21 13 23-2141	EA	Cut 20" Groove Pipe	106.00	
		For Work In Restricted Working Space, Add	*31.80*	
23 21 13 23-2142	EA	Cut 24" Groove Pipe	120.14	
		For Work In Restricted Working Space, Add	*36.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-2143 Roll Grooved Pipe *(23 21 13 23-2122)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2144	EA	Roll 3/4" Groove	6.78	
		For Work In Restricted Working Space, Add	*2.03*	
23 21 13 23-2145	EA	Roll 1" Groove	7.90	
		For Work In Restricted Working Space, Add	*2.37*	
23 21 13 23-2146	EA	Roll 1-1/4" Groove	9.01	
		For Work In Restricted Working Space, Add	*2.70*	
23 21 13 23-2147	EA	Roll 1-1/2" Groove	10.12	
		For Work In Restricted Working Space, Add	*3.04*	
23 21 13 23-2148	EA	Roll 2" Groove	15.54	
		For Work In Restricted Working Space, Add	*4.66*	
23 21 13 23-2149	EA	Roll 2-1/2" Groove	16.38	
		For Work In Restricted Working Space, Add	*4.91*	
23 21 13 23-2150	EA	Roll 3" Groove	18.02	
		For Work In Restricted Working Space, Add	*5.41*	
23 21 13 23-2151	EA	Roll 3-1/2" Groove	19.17	
		For Work In Restricted Working Space, Add	*5.75*	
23 21 13 23-2152	EA	Roll 4" Groove	20.95	
		For Work In Restricted Working Space, Add	*6.29*	
23 21 13 23-2153	EA	Roll 5" Groove	21.45	
		For Work In Restricted Working Space, Add	*6.44*	
23 21 13 23-2154	EA	Roll 6" Groove	22.53	
		For Work In Restricted Working Space, Add	*6.76*	
23 21 13 23-2155	EA	Roll 8" Groove	27.31	
		For Work In Restricted Working Space, Add	*8.19*	
23 21 13 23-2156	EA	Roll 10" Groove	31.07	
		For Work In Restricted Working Space, Add	*9.32*	
23 21 13 23-2157	EA	Roll 12" Groove	39.17	
		For Work In Restricted Working Space, Add	*11.75*	
23 21 13 23-2158	EA	Roll 14" Groove	60.06	
		For Work In Restricted Working Space, Add	*18.02*	
23 21 13 23-2159	EA	Roll 16" Groove	64.35	
		For Work In Restricted Working Space, Add	*19.31*	
23 21 13 23-2160	EA	Roll 18" Groove	66.74	
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-2161	EA	Roll 20" Groove	72.08	
		For Work In Restricted Working Space, Add	*21.62*	
23 21 13 23-2162	EA	Roll 24" Groove	78.35	
		For Work In Restricted Working Space, Add	*23.51*	

23 21 13 23-2163 Standard Gaskets *(23 21 13 23-2122)*

Note: For use on replacement of existing gaskets.

23 21 13 23-2164	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	14.80	
		For Work In Restricted Working Space, Add	*1.41*	
23 21 13 23-2165	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	15.75	
		For Work In Restricted Working Space, Add	*1.70*	
23 21 13 23-2166	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	16.65	
		For Work In Restricted Working Space, Add	*1.88*	
23 21 13 23-2167	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	18.35	
		For Work In Restricted Working Space, Add	*2.12*	
23 21 13 23-2168	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	19.03	
		For Work In Restricted Working Space, Add	*2.33*	
23 21 13 23-2169	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	21.81	
		For Work In Restricted Working Space, Add	*2.43*	
23 21 13 23-2170	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	24.03	
		For Work In Restricted Working Space, Add	*2.74*	
23 21 13 23-2171	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	28.96	
		For Work In Restricted Working Space, Add	*2.98*	
23 21 13 23-2172	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	29.51	
		For Work In Restricted Working Space, Add	*3.14*	
23 21 13 23-2173	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	35.63	
		For Work In Restricted Working Space, Add	*3.23*	
23 21 13 23-2174	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.19	
		For Work In Restricted Working Space, Add	*3.40*	
23 21 13 23-2175	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	51.25	
		For Work In Restricted Working Space, Add	*4.25*	
23 21 13 23-2176	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	63.28	
		For Work In Restricted Working Space, Add	*4.72*	
23 21 13 23-2177	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	75.47	
		For Work In Restricted Working Space, Add	*6.06*	
23 21 13 23-2178	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	106.18	
		For Work In Restricted Working Space, Add	*8.94*	
23 21 13 23-2179	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	137.99	
		For Work In Restricted Working Space, Add	*9.65*	
23 21 13 23-2180	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	161.12	
		For Work In Restricted Working Space, Add	*9.99*	
23 21 13 23-2181	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	232.02	
		For Work In Restricted Working Space, Add	*10.61*	
23 21 13 23-2182	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	313.76	
		For Work In Restricted Working Space, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2183		Copper Grooved-Joint Pipe Fittings *(23 21 13 23)* Note: Couplings are not included with fittings.		
23 21 13 23-2184		Grooved Fittings *(23 21 13 23-2183)*		
23 21 13 23-2185		Grooved 90 Degree Elbows *(23 21 13 23-2184)*		
23 21 13 23-2186	EA	2" Copper 90 Degree Elbow, Grooved	155.96	18.45
		For Work In Restricted Working Space, Add	*11.10*	
23 21 13 23-2187	EA	2-1/2" Copper 90 Degree Elbow, Grooved	173.81	22.53
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2188	EA	3" Copper 90 Degree Elbow, Grooved	234.99	27.28
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-2189	EA	4" Copper 90 Degree Elbow, Grooved	486.09	35.99
		For Work In Restricted Working Space, Add	*21.62*	
23 21 13 23-2190	EA	5" Copper 90 Degree Elbow, Grooved	1,263.62	45.04
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-2191	EA	6" Copper 90 Degree Elbow, Grooved	1,990.64	58.96
		For Work In Restricted Working Space, Add	*35.36*	
23 21 13 23-2192	EA	8" Copper 90 Degree Elbow, Grooved	3,656.07	70.16
		For Work In Restricted Working Space, Add	*42.10*	
23 21 13 23-2193		Grooved 45 Degree Elbows *(23 21 13 23-2184)*		
23 21 13 23-2194	EA	2" Copper 45 Degree Elbow, Grooved	155.96	18.45
		For Work In Restricted Working Space, Add	*11.10*	
23 21 13 23-2195	EA	2-1/2" Copper 45 Degree Elbow, Grooved	173.81	22.53
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2196	EA	3" Copper 45 Degree Elbow, Grooved	234.99	27.28
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-2197	EA	4" Copper 45 Degree Elbow, Grooved	486.09	35.99
		For Work In Restricted Working Space, Add	*21.62*	
23 21 13 23-2198	EA	5" Copper 45 Degree Elbow, Grooved	1,263.62	45.04
		For Work In Restricted Working Space, Add	*27.03*	
23 21 13 23-2199	EA	6" Copper 45 Degree Elbow, Grooved	1,990.64	58.96
		For Work In Restricted Working Space, Add	*35.36*	
23 21 13 23-2200	EA	8" Copper 45 Degree Elbow, Grooved	3,656.07	70.16
		For Work In Restricted Working Space, Add	*42.10*	
23 21 13 23-2201		Grooved Tees *(23 21 13 23-2184)*		
23 21 13 23-2202	EA	2" Copper Tee, Grooved	249.44	27.16
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2203	EA	2-1/2" Copper Tee, Grooved	273.73	33.38
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-2204	EA	3" Copper Tee, Grooved	389.96	40.96
		For Work In Restricted Working Space, Add	*24.57*	
23 21 13 23-2205	EA	4" Copper Tee, Grooved	781.33	52.97
		For Work In Restricted Working Space, Add	*31.80*	
23 21 13 23-2206	EA	5" Copper Tee, Grooved	3,110.37	69.26
		For Work In Restricted Working Space, Add	*41.59*	
23 21 13 23-2207	EA	6" Copper Tee, Grooved	2,507.94	86.69
		For Work In Restricted Working Space, Add	*52.01*	
23 21 13 23-2208	EA	8" Copper Tee, Grooved	4,379.27	105.25
		For Work In Restricted Working Space, Add	*63.15*	
23 21 13 23-2209		Grooved Reducing Tees *(23 21 13 23-2184)*		
23 21 13 23-2210	EA	2-1/2" Copper Tee, Reducing, Grooved	375.32	33.38
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-2211	EA	3" Copper Tee, Reducing, Grooved	605.66	40.96
		For Work In Restricted Working Space, Add	*24.57*	
23 21 13 23-2212	EA	4" Copper Tee, Reducing, Grooved	993.22	53.08
		For Work In Restricted Working Space, Add	*31.80*	
23 21 13 23-2213	EA	5" Copper Tee, Reducing, Grooved	2,846.45	69.37
		For Work In Restricted Working Space, Add	*41.59*	
23 21 13 23-2214	EA	6" Copper Tee, Reducing, Grooved	3,479.36	86.69
		For Work In Restricted Working Space, Add	*52.01*	
23 21 13 23-2215		Grooved X Cup Reducing Tees *(23 21 13 23-2184)*		
23 21 13 23-2216	EA	2" Copper Tee, Reducing, Grooved X Cup	303.77	27.16
		For Work In Restricted Working Space, Add	*16.32*	
23 21 13 23-2217	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	376.43	33.38
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-2218	EA	3" Copper Tee, Reducing, Grooved X Cup	654.55	40.96
		For Work In Restricted Working Space, Add	*24.57*	
23 21 13 23-2219	EA	4" Copper Tee, Reducing, Grooved X Cup	993.22	52.97
		For Work In Restricted Working Space, Add	*31.80*	
23 21 13 23-2220		Grooved Flanged Adapter Nipples *(23 21 13 23-2184)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2221	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	553.51	20.03
		For Work In Restricted Working Space, Add	*12.06*	
23 21 13 23-2222	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	583.24	24.33
		For Work In Restricted Working Space, Add	*14.61*	
23 21 13 23-2223	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	618.12	29.08
		For Work In Restricted Working Space, Add	*17.44*	
23 21 13 23-2224	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	692.25	39.16
		For Work In Restricted Working Space, Add	*23.51*	
23 21 13 23-2225	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	920.07	47.42
		For Work In Restricted Working Space, Add	*28.45*	
23 21 13 23-2226	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,026.10	64.05
		For Work In Restricted Working Space, Add	*38.44*	

23 21 13 23-2227 Grooved Concentric Reducers *(23 21 13 23-2184)*

23 21 13 23-2228	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	211.90	20.59
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-2229	EA	3" x 2" Copper Concentric Reducer, Grooved	216.44	22.97
		For Work In Restricted Working Space, Add	*13.75*	
23 21 13 23-2230	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	225.21	27.28
		For Work In Restricted Working Space, Add	*16.38*	
23 21 13 23-2231	EA	4" x 2" Copper Concentric Reducer, Grooved	403.72	27.50
		For Work In Restricted Working Space, Add	*16.47*	
23 21 13 23-2232	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	407.68	29.42
		For Work In Restricted Working Space, Add	*17.66*	
23 21 13 23-2233	EA	4" x 3" Copper Concentric Reducer, Grooved	412.20	31.69
		For Work In Restricted Working Space, Add	*19.01*	
23 21 13 23-2234	EA	5" x 3" Copper Concentric Reducer, Grooved	1,053.63	36.21
		For Work In Restricted Working Space, Add	*21.73*	
23 21 13 23-2235	EA	5" x 4" Copper Concentric Reducer, Grooved	1,062.68	40.74
		For Work In Restricted Working Space, Add	*24.44*	
23 21 13 23-2236	EA	6" x 3" Copper Concentric Reducer, Grooved	1,148.17	43.01
		For Work In Restricted Working Space, Add	*25.81*	
23 21 13 23-2237	EA	6" x 4" Copper Concentric Reducer, Grooved	1,157.22	47.53
		For Work In Restricted Working Space, Add	*28.52*	
23 21 13 23-2238	EA	6" x 5" Copper Concentric Reducer, Grooved	1,166.28	52.06
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-2239	EA	8" x 6" Copper Concentric Reducer, Grooved	1,993.09	64.50
		For Work In Restricted Working Space, Add	*38.70*	

23 21 13 23-2240 Grooved X Cup Concentric Reducers *(23 21 13 23-2184)*

23 21 13 23-2241	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	170.13	14.49
		For Work In Restricted Working Space, Add	*8.66*	
23 21 13 23-2242	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	171.26	15.05
		For Work In Restricted Working Space, Add	*9.00*	
23 21 13 23-2243	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	174.72	16.75
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-2244	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	205.11	16.18
		For Work In Restricted Working Space, Add	*9.70*	
23 21 13 23-2245	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	206.23	16.75
		For Work In Restricted Working Space, Add	*10.04*	
23 21 13 23-2246	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	209.55	18.45
		For Work In Restricted Working Space, Add	*11.03*	
23 21 13 23-2247	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	214.08	20.59
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-2248	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	255.89	20.59
		For Work In Restricted Working Space, Add	*12.39*	
23 21 13 23-2249	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	260.43	22.97
		For Work In Restricted Working Space, Add	*13.75*	
23 21 13 23-2250	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	453.16	27.39
		For Work In Restricted Working Space, Add	*16.47*	

23 21 13 23-2251 Grooved Standard Couplings *(23 21 13 23-2184)*

23 21 13 23-2252	EA	2" Copper Standard Coupling, Grooved	59.51	9.28
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-2253	EA	2-1/2" Copper Standard Coupling, Grooved	69.55	11.32
		For Work In Restricted Working Space, Add	*6.76*	
23 21 13 23-2254	EA	3" Copper Standard Coupling, Grooved	78.65	13.46
		For Work In Restricted Working Space, Add	*8.07*	
23 21 13 23-2255	EA	4" Copper Standard Coupling, Grooved	115.25	18.10
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2256	EA	5" Copper Standard Coupling, Grooved	179.80	22.53
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2257	EA	6" Copper Standard Coupling, Grooved	236.93	29.42
		For Work In Restricted Working Space, Add	*17.69*	
23 21 13 23-2258	EA	8" Copper Standard Coupling, Grooved	347.24	35.08
		For Work In Restricted Working Space, Add	*21.05*	

23 21 13 23-2259 Grooved Caps *(23 21 13 23-2184)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2260	EA	2" Copper Cap, Grooved	100.51	9.28
		For Work In Restricted Working Space, Add	*5.55*	
23 21 13 23-2261	EA	2-1/2" Copper Cap, Grooved	144.24	11.32
		For Work In Restricted Working Space, Add	*6.76*	
23 21 13 23-2262	EA	3" Copper Cap, Grooved	177.93	13.46
		For Work In Restricted Working Space, Add	*8.07*	
23 21 13 23-2263	EA	4" Copper Cap, Grooved	262.60	17.99
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2264	EA	5" Copper Cap, Grooved	446.75	22.53
		For Work In Restricted Working Space, Add	*13.52*	
23 21 13 23-2265	EA	6" Copper Cap, Grooved	521.30	29.42
		For Work In Restricted Working Space, Add	*17.69*	

23 21 13 23-2266 Grooved Valves *(23 21 13 23-2183)*

23 21 13 23-2267 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2266)*

Note: Copper body.

23 21 13 23-2268	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	479.83	12.11
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2269	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	546.23	17.99
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2270	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	722.05	23.65
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2271	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	964.28	38.82
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2272	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,064.37	54.55
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*32.75*	

23 21 13 23-2273 Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2266)*

Note: Copper body.

23 21 13 23-2274	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	585.89	12.11
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2275	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	652.36	17.99
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*10.81*	
23 21 13 23-2276	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	828.18	23.65
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*14.23*	
23 21 13 23-2277	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,070.48	38.82
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*23.27*	
23 21 13 23-2278	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,170.50	54.55
		For Valve Bracket Insulation, Add	*38.20*	
		For Chain Wheel, Add	*43.45*	
		For Work In Restricted Working Space, Add	*32.75*	

23 21 13 23-2279 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

23 21 13 23-2280 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2279)*

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-2281 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2280)*

23 21 13 23-2282	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.28	3.23
		For Work In Restricted Working Space, Add	*1.46*	
23 21 13 23-2283	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.62	4.04
		For Work In Restricted Working Space, Add	*1.82*	
23 21 13 23-2284	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	7.25	4.31
		For Work In Restricted Working Space, Add	*1.94*	
23 21 13 23-2285	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.01	4.64
		For Work In Restricted Working Space, Add	*2.09*	
23 21 13 23-2286	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.26	4.72
		For Work In Restricted Working Space, Add	*2.12*	
23 21 13 23-2287	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.09	5.65
		For Work In Restricted Working Space, Add	*2.54*	
23 21 13 23-2288	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.62	6.71
		For Work In Restricted Working Space, Add	*3.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2289	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	15.48	8.12
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-2290	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	23.04	12.16
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2291	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	32.69	16.23
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2292	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	41.70	19.34
		For Work In Restricted Working Space, Add	*8.71*	
23 21 13 23-2293	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	71.18	21.60
		For Work In Restricted Working Space, Add	*9.71*	

23 21 13 23-2294 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2280)*

23 21 13 23-2295	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	19.13	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2296	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	25.56	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2297	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	32.36	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2298	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	46.71	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2299	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	52.42	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2300	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	67.89	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2301	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	110.94	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2302	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	143.63	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2303	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	185.25	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2304	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	266.51	107.85
		For Work In Restricted Working Space, Add	*48.50*	
23 21 13 23-2305	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	458.55	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2306	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	685.75	187.63
		For Work In Restricted Working Space, Add	*84.37*	

23 21 13 23-2307 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2280)*

23 21 13 23-2308	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	19.57	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2309	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	26.43	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2310	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.58	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2311	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	47.50	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2312	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	54.17	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2313	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	69.02	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2314	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	110.94	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2315	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	150.95	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2316	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	198.60	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2317	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	267.73	107.85
		For Work In Restricted Working Space, Add	*48.50*	
23 21 13 23-2318	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	443.81	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2319	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	685.75	187.63
		For Work In Restricted Working Space, Add	*84.37*	

23 21 13 23-2320 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2280)*

23 21 13 23-2321	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	31.23	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2322	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	37.63	24.33
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-2323	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	50.33	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2324	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	64.66	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2325	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	77.28	48.67
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-2326	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	96.72	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2327	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	139.70	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2328	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	168.42	94.38
		For Work In Restricted Working Space, Add	*42.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2329	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	237.45	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2330	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	408.04	162.28
		For Work In Restricted Working Space, Add	*73.01*	
23 21 13 23-2331	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	683.79	201.33
		For Work In Restricted Working Space, Add	*90.53*	
23 21 13 23-2332	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,945.83	300.80
		For Work In Restricted Working Space, Add	*135.30*	

23 21 13 23-2333 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2280)*

23 21 13 23-2334	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	39.36	25.12
		For Work In Restricted Working Space, Add	*11.32*	
23 21 13 23-2335	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	47.41	30.44
		For Work In Restricted Working Space, Add	*13.69*	
23 21 13 23-2336	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	63.62	40.18
		For Work In Restricted Working Space, Add	*18.06*	
23 21 13 23-2337	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	81.94	51.04
		For Work In Restricted Working Space, Add	*22.94*	
23 21 13 23-2338	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	97.97	60.88
		For Work In Restricted Working Space, Add	*27.38*	
23 21 13 23-2339	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	122.88	75.48
		For Work In Restricted Working Space, Add	*33.95*	
23 21 13 23-2340	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	181.18	99.37
		For Work In Restricted Working Space, Add	*44.67*	
23 21 13 23-2341	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	219.07	117.92
		For Work In Restricted Working Space, Add	*53.05*	
23 21 13 23-2342	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	312.34	157.30
		For Work In Restricted Working Space, Add	*70.73*	
23 21 13 23-2343	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	562.22	202.80
		For Work In Restricted Working Space, Add	*91.23*	
23 21 13 23-2344	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	975.87	251.46
		For Work In Restricted Working Space, Add	*113.11*	
23 21 13 23-2345	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,907.33	376.17
		For Work In Restricted Working Space, Add	*169.21*	

23 21 13 23-2346 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2280)*

23 21 13 23-2347	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	19.71	12.45
		For Work In Restricted Working Space, Add	*5.68*	
23 21 13 23-2348	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	25.89	15.96
		For Work In Restricted Working Space, Add	*7.27*	
23 21 13 23-2349	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	34.57	21.39
		For Work In Restricted Working Space, Add	*9.72*	
23 21 13 23-2350	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	42.65	26.59
		For Work In Restricted Working Space, Add	*12.11*	
23 21 13 23-2351	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	52.44	32.03
		For Work In Restricted Working Space, Add	*14.58*	
23 21 13 23-2352	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	73.52	44.48
		For Work In Restricted Working Space, Add	*20.23*	
23 21 13 23-2353	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	102.34	61.45
		For Work In Restricted Working Space, Add	*27.95*	
23 21 13 23-2354	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	136.49	76.39
		For Work In Restricted Working Space, Add	*34.75*	
23 21 13 23-2355	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	186.09	88.95
		For Work In Restricted Working Space, Add	*40.42*	
23 21 13 23-2356	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	451.05	102.76
		For Work In Restricted Working Space, Add	*46.70*	
23 21 13 23-2357	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	536.71	137.84
		For Work In Restricted Working Space, Add	*62.65*	

23 21 13 23-2358 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2280)*

23 21 13 23-2359	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	20.09	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2360	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	26.17	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2361	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	32.45	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2362	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	46.19	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2363	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	52.16	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2364	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	66.66	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2365	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	98.47	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2366	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	128.28	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2367	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	162.14	94.38
		For Work In Restricted Working Space, Add	*42.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2368		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters** *(23 21 13 23-2280)*		
23 21 13 23-2369	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	20.70	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2370	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	26.78	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2371	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	33.67	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2372	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	46.89	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2373	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	53.73	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2374	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	68.06	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2375	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	100.04	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2376	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	133.08	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2377	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	159.35	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2378		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2280)*		
23 21 13 23-2379	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	19.13	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2380	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	25.47	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2381	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	31.49	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2382	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	44.79	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2383	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	50.59	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2384	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	64.48	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2385	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	104.92	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2386	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	138.48	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2387	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	173.47	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2388		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2280)*		
23 21 13 23-2389	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	31.26	16.63
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2390		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2280)*		
23 21 13 23-2391	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	18.78	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2392	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	25.04	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2393	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	31.49	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2394	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	44.44	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2395	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	50.07	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2396	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	64.13	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2397	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	97.16	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2398	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	129.50	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2399	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	156.56	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2400	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	209.46	107.85
		For Work In Restricted Working Space, Add	*48.50*	
23 21 13 23-2401	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	277.92	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2402	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	612.08	134.90
		For Work In Restricted Working Space, Add	*60.65*	
23 21 13 23-2403		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2280)*		
23 21 13 23-2404	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	37.22	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2405	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	51.24	24.33
		For Work In Restricted Working Space, Add	*10.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2406	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	64.63	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2407	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	101.29	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2408	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	114.87	48.67
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-2409	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	146.96	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2410	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	221.51	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2411	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	249.97	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2412	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	403.77	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2413	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	531.69	162.28
		For Work In Restricted Working Space, Add	*72.98*	
23 21 13 23-2414	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	777.47	201.22
		For Work In Restricted Working Space, Add	*90.49*	
23 21 13 23-2415	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	1,158.86	249.76
		For Work In Restricted Working Space, Add	*112.36*	

23 21 13 23-2416 Schedule 40 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2280)*

23 21 13 23-2417	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	9.03	5.50
		For Work In Restricted Working Space, Add	*2.50*	
23 21 13 23-2418	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	11.83	7.24
		For Work In Restricted Working Space, Add	*3.29*	
23 21 13 23-2419	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	14.98	8.94
		For Work In Restricted Working Space, Add	*4.07*	
23 21 13 23-2420	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	21.39	12.85
		For Work In Restricted Working Space, Add	*5.84*	
23 21 13 23-2421	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	23.76	14.26
		For Work In Restricted Working Space, Add	*6.50*	
23 21 13 23-2422	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	30.05	18.22
		For Work In Restricted Working Space, Add	*8.26*	
23 21 13 23-2423	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	49.03	26.94
		For Work In Restricted Working Space, Add	*12.22*	
23 21 13 23-2424	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	62.59	35.42
		For Work In Restricted Working Space, Add	*16.08*	
23 21 13 23-2425	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	84.24	41.99
		For Work In Restricted Working Space, Add	*19.10*	
23 21 13 23-2426	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	122.03	47.98
		For Work In Restricted Working Space, Add	*21.83*	
23 21 13 23-2427	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	249.72	56.02
		For Work In Restricted Working Space, Add	*25.46*	
23 21 13 23-2428	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	736.47	83.52
		For Work In Restricted Working Space, Add	*37.97*	

23 21 13 23-2429 Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges *(23 21 13 23-2280)*

23 21 13 23-2430	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Socket Weld Flanges	47.71	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2431	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	63.36	24.33
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-2432	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	78.06	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2433	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	91.96	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2434	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	104.49	48.67
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-2435	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	132.39	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2436	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	183.75	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2437	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	212.81	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2438	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	278.96	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2439	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	385.34	162.28
		For Work In Restricted Working Space, Add	*72.98*	
23 21 13 23-2440	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	622.14	201.22
		For Work In Restricted Working Space, Add	*90.49*	
23 21 13 23-2441	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,096.34	249.42
		For Work In Restricted Working Space, Add	*112.18*	

23 21 13 23-2442 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2279)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2443 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2442)*

23 21 13 23-2444	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.40	3.28
		For Work In Restricted Working Space, Add	*1.46*	
23 21 13 23-2445	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.77	4.08
		For Work In Restricted Working Space, Add	*1.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2446	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.32	4.86
		For Work In Restricted Working Space, Add	*2.18*	
23 21 13 23-2447	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.91	5.66
		For Work In Restricted Working Space, Add	*2.55*	
23 21 13 23-2448	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.40	6.45
		For Work In Restricted Working Space, Add	*2.92*	
23 21 13 23-2449	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	14.60	8.15
		For Work In Restricted Working Space, Add	*3.65*	
23 21 13 23-2450	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	17.02	8.94
		For Work In Restricted Working Space, Add	*4.02*	
23 21 13 23-2451	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	19.41	9.74
		For Work In Restricted Working Space, Add	*4.38*	
23 21 13 23-2452	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	25.33	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2453	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	37.78	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2454	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	49.50	19.35
		For Work In Restricted Working Space, Add	*8.71*	
23 21 13 23-2455	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	94.32	20.82
		For Work In Restricted Working Space, Add	*9.38*	

23 21 13 23-2456 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2442)*

23 21 13 23-2457	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	21.40	12.22
		For Work In Restricted Working Space, Add	*5.48*	
		For Threaded Fittings, Add	*2.74*	
23 21 13 23-2458	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	28.44	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Threaded Fittings, Add	*3.65*	
23 21 13 23-2459	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	36.81	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Threaded Fittings, Add	*4.53*	
23 21 13 23-2460	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	51.51	28.52
		For Work In Restricted Working Space, Add	*12.81*	
		For Threaded Fittings, Add	*6.41*	
23 21 13 23-2461	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	57.57	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Threaded Fittings, Add	*7.22*	
23 21 13 23-2462	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	72.60	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Threaded Fittings, Add	*9.18*	
23 21 13 23-2463	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	117.31	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For Threaded Fittings, Add	*13.58*	
23 21 13 23-2464	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	149.21	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For Threaded Fittings, Add	*17.87*	
23 21 13 23-2465	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	187.17	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Threaded Fittings, Add	*21.22*	
23 21 13 23-2466	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	326.77	107.85
		For Work In Restricted Working Space, Add	*48.50*	
		For Threaded Fittings, Add	*24.25*	
23 21 13 23-2467	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	547.51	125.85
		For Work In Restricted Working Space, Add	*56.58*	
		For Threaded Fittings, Add	*28.29*	
23 21 13 23-2468	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	685.75	187.63
		For Work In Restricted Working Space, Add	*84.37*	
		For Threaded Fittings, Add	*42.18*	

23 21 13 23-2469 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2442)*

23 21 13 23-2470	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	24.28	12.22
		For Work In Restricted Working Space, Add	*5.48*	
		For Threaded Fittings, Add	*2.74*	
23 21 13 23-2471	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	33.50	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Threaded Fittings, Add	*3.65*	
23 21 13 23-2472	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	43.96	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Threaded Fittings, Add	*4.53*	
23 21 13 23-2473	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	60.32	28.52
		For Work In Restricted Working Space, Add	*12.81*	
		For Threaded Fittings, Add	*6.41*	
23 21 13 23-2474	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	68.91	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Threaded Fittings, Add	*7.22*	
23 21 13 23-2475	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	88.12	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Threaded Fittings, Add	*9.18*	
23 21 13 23-2476	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	147.23	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For Threaded Fittings, Add	*13.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2477	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	188.11	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For Threaded Fittings, Add	*17.87*	
23 21 13 23-2478	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	265.76	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Threaded Fittings, Add	*21.22*	
23 21 13 23-2479	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	318.15	107.85
		For Work In Restricted Working Space, Add	*48.50*	
		For Threaded Fittings, Add	*24.25*	
23 21 13 23-2480	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	527.91	125.85
		For Work In Restricted Working Space, Add	*56.58*	
		For Threaded Fittings, Add	*28.29*	
23 21 13 23-2481	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	663.71	187.63
		For Work In Restricted Working Space, Add	*84.37*	
		For Threaded Fittings, Add	*42.18*	

23 21 13 23-2482 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2442)*

23 21 13 23-2483	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	37.63	19.12
		For Work In Restricted Working Space, Add	*8.60*	
		For Threaded Fittings, Add	*4.30*	
23 21 13 23-2484	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	45.92	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Threaded Fittings, Add	*5.48*	
23 21 13 23-2485	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	59.93	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Threaded Fittings, Add	*7.22*	
23 21 13 23-2486	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	93.71	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Threaded Fittings, Add	*9.18*	
23 21 13 23-2487	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	105.55	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Threaded Fittings, Add	*10.95*	
23 21 13 23-2488	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	131.26	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For Threaded Fittings, Add	*13.58*	
23 21 13 23-2489	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	163.43	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For Threaded Fittings, Add	*17.87*	
23 21 13 23-2490	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	196.77	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Threaded Fittings, Add	*21.22*	
23 21 13 23-2491	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	252.72	125.85
		For Work In Restricted Working Space, Add	*56.58*	
		For Threaded Fittings, Add	*28.29*	
23 21 13 23-2492	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	462.39	162.28
		For Work In Restricted Working Space, Add	*73.01*	
		For Threaded Fittings, Add	*36.51*	
23 21 13 23-2493	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	809.77	201.33
		For Work In Restricted Working Space, Add	*90.53*	
		For Threaded Fittings, Add	*45.27*	
23 21 13 23-2494	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,945.93	300.80
		For Work In Restricted Working Space, Add	*135.30*	
		For Threaded Fittings, Add	*67.65*	

23 21 13 23-2495 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2442)*

23 21 13 23-2496	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	49.90	23.87
		For Work In Restricted Working Space, Add	*10.75*	
		For Threaded Fittings, Add	*5.37*	
23 21 13 23-2497	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	60.39	30.44
		For Work In Restricted Working Space, Add	*13.69*	
		For Threaded Fittings, Add	*6.84*	
23 21 13 23-2498	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	78.65	40.18
		For Work In Restricted Working Space, Add	*18.06*	
		For Threaded Fittings, Add	*9.03*	
23 21 13 23-2499	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	127.47	51.04
		For Work In Restricted Working Space, Add	*22.94*	
		For Threaded Fittings, Add	*11.47*	
23 21 13 23-2500	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	142.27	60.88
		For Work In Restricted Working Space, Add	*27.38*	
		For Threaded Fittings, Add	*13.69*	
23 21 13 23-2501	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	177.02	75.48
		For Work In Restricted Working Space, Add	*33.95*	
		For Threaded Fittings, Add	*16.98*	
23 21 13 23-2502	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	218.38	99.37
		For Work In Restricted Working Space, Add	*44.67*	
		For Threaded Fittings, Add	*22.34*	
23 21 13 23-2503	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	263.52	117.92
		For Work In Restricted Working Space, Add	*53.05*	
		For Threaded Fittings, Add	*26.52*	
23 21 13 23-2504	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	336.27	157.30
		For Work In Restricted Working Space, Add	*70.73*	
		For Threaded Fittings, Add	*35.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2505	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	647.43	202.80
		For Work In Restricted Working Space, Add	*91.23*	
		For Threaded Fittings, Add	*45.61*	
23 21 13 23-2506	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	1,173.36	251.46
		For Work In Restricted Working Space, Add	*113.11*	
		For Threaded Fittings, Add	*56.55*	
23 21 13 23-2507	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,907.49	376.17
		For Work In Restricted Working Space, Add	*169.21*	
		For Threaded Fittings, Add	*84.61*	

23 21 13 23-2508 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2442)*

23 21 13 23-2509	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	26.17	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2510	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	35.50	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2511	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	51.07	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2512	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	59.57	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2513	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	77.48	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2514	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	118.79	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2515	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	164.04	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2516	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	203.74	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2517	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	230.74	107.85
		For Work In Restricted Working Space, Add	*48.50*	
23 21 13 23-2518	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	341.93	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2519	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	547.04	146.10
		For Work In Restricted Working Space, Add	*65.73*	

23 21 13 23-2520 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2442)*

23 21 13 23-2521	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	18.87	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2522	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	27.74	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2523	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	35.50	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2524	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	53.51	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2525	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	61.76	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2526	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	77.83	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2527	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	125.76	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2528	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	184.36	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2529	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	241.77	94.38
		For Work In Restricted Working Space, Add	*42.44*	

23 21 13 23-2530 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2442)*

23 21 13 23-2531	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	25.67	12.22
		For Work In Restricted Working Space, Add	*5.48*	
23 21 13 23-2532	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	32.54	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2533	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	44.48	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2534	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	59.45	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2535	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	72.22	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2536	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	92.57	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2537	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	126.29	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2538	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	158.80	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2539	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	212.03	94.38
		For Work In Restricted Working Space, Add	*42.44*	

23 21 13 23-2540 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2442)*

23 21 13 23-2541	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	23.67	12.22
		For Work In Restricted Working Space, Add	*5.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2542	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	32.36	16.18
		For Work In Restricted Working Space, Add	*7.30*	
23 21 13 23-2543	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	42.04	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2544	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	61.97	28.52
		For Work In Restricted Working Space, Add	*12.81*	
23 21 13 23-2545	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	71.79	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2546	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	102.34	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2547	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	155.59	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2548	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	192.38	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2549	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	267.41	94.38
		For Work In Restricted Working Space, Add	*42.44*	

23 21 13 23-2550 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2442)*

23 21 13 23-2551	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	24.02	12.22
		For Work In Restricted Working Space, Add	*5.48*	
		For Threaded Fittings, Add	*2.74*	
23 21 13 23-2552	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	32.10	16.18
		For Work In Restricted Working Space, Add	*7.30*	
		For Threaded Fittings, Add	*3.65*	
23 21 13 23-2553	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	38.20	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Threaded Fittings, Add	*4.53*	
23 21 13 23-2554	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	55.00	28.52
		For Work In Restricted Working Space, Add	*12.81*	
		For Threaded Fittings, Add	*6.41*	
23 21 13 23-2555	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	61.41	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Threaded Fittings, Add	*7.22*	
23 21 13 23-2556	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	75.30	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Threaded Fittings, Add	*9.18*	
23 21 13 23-2557	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	125.50	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For Threaded Fittings, Add	*13.58*	
23 21 13 23-2558	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	159.33	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For Threaded Fittings, Add	*17.87*	
23 21 13 23-2559	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	191.88	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Threaded Fittings, Add	*21.22*	
23 21 13 23-2560	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	270.08	107.85
		For Work In Restricted Working Space, Add	*48.50*	
		For Threaded Fittings, Add	*24.25*	
23 21 13 23-2561	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	336.18	125.85
		For Work In Restricted Working Space, Add	*56.58*	
		For Threaded Fittings, Add	*28.29*	
23 21 13 23-2562	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	638.25	134.90
		For Work In Restricted Working Space, Add	*60.65*	
		For Threaded Fittings, Add	*30.33*	

23 21 13 23-2563 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2442)*

23 21 13 23-2564	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	43.09	20.15
		For Work In Restricted Working Space, Add	*9.05*	
23 21 13 23-2565	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	51.41	24.33
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-2566	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	65.16	32.14
		For Work In Restricted Working Space, Add	*14.45*	
23 21 13 23-2567	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	103.73	40.85
		For Work In Restricted Working Space, Add	*18.35*	
23 21 13 23-2568	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	127.78	48.67
		For Work In Restricted Working Space, Add	*21.90*	
23 21 13 23-2569	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	164.75	60.44
		For Work In Restricted Working Space, Add	*27.16*	
23 21 13 23-2570	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	257.32	79.45
		For Work In Restricted Working Space, Add	*35.74*	
23 21 13 23-2571	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	319.60	94.38
		For Work In Restricted Working Space, Add	*42.44*	
23 21 13 23-2572	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	404.29	125.85
		For Work In Restricted Working Space, Add	*56.58*	
23 21 13 23-2573	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	531.69	162.28
		For Work In Restricted Working Space, Add	*72.98*	
23 21 13 23-2574	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	777.47	201.22
		For Work In Restricted Working Space, Add	*90.49*	
23 21 13 23-2575	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	1,158.27	249.42
		For Work In Restricted Working Space, Add	*112.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2576		**Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions** *(23 21 13 23-2442)*		
23 21 13 23-2577	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	45.41	25.14
23 21 13 23-2578	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	54.33	29.08
23 21 13 23-2579	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	65.90	34.29
23 21 13 23-2580	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	88.68	40.85
23 21 13 23-2581	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	106.91	48.67
23 21 13 23-2582	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	142.30	60.44
23 21 13 23-2583	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	306.73	117.13
23 21 13 23-2584	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	332.31	129.92
23 21 13 23-2585		**Schedule 80 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2442)*		
23 21 13 23-2586	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	16.33	5.43
		For Work In Restricted Working Space, Add	*2.47*	
		For Threaded Fittings, Add	*1.23*	
23 21 13 23-2587	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	19.51	7.24
		For Work In Restricted Working Space, Add	*3.29*	
		For Threaded Fittings, Add	*1.64*	
23 21 13 23-2588	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	28.75	8.94
		For Work In Restricted Working Space, Add	*4.07*	
		For Threaded Fittings, Add	*2.04*	
23 21 13 23-2589	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	37.53	12.68
		For Work In Restricted Working Space, Add	*5.76*	
		For Threaded Fittings, Add	*2.88*	
23 21 13 23-2590	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	39.99	14.26
		For Work In Restricted Working Space, Add	*6.50*	
		For Threaded Fittings, Add	*3.25*	
23 21 13 23-2591	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	54.99	18.22
		For Work In Restricted Working Space, Add	*8.26*	
		For Threaded Fittings, Add	*4.13*	
23 21 13 23-2592	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	97.17	26.94
		For Work In Restricted Working Space, Add	*12.22*	
		For Threaded Fittings, Add	*6.11*	
23 21 13 23-2593	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	122.60	35.42
		For Work In Restricted Working Space, Add	*16.08*	
		For Threaded Fittings, Add	*8.04*	
23 21 13 23-2594	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	174.60	41.99
		For Work In Restricted Working Space, Add	*19.10*	
		For Threaded Fittings, Add	*9.55*	
23 21 13 23-2595	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	348.36	47.98
		For Work In Restricted Working Space, Add	*21.83*	
		For Threaded Fittings, Add	*10.91*	
23 21 13 23-2596	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	463.49	56.02
		For Work In Restricted Working Space, Add	*25.46*	
		For Threaded Fittings, Add	*12.73*	
23 21 13 23-2597	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	823.68	83.52
		For Work In Restricted Working Space, Add	*37.97*	
		For Threaded Fittings, Add	*18.98*	
23 21 13 23-2598		**Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges** *(23 21 13 23-2442)*		
23 21 13 23-2599	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	55.21	20.15
		For Work In Restricted Working Space, Add	*9.05*	
		For Threaded Fittings, Add	*4.53*	
23 21 13 23-2600	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	63.36	24.33
		For Work In Restricted Working Space, Add	*10.95*	
		For Threaded Fittings, Add	*5.48*	
23 21 13 23-2601	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	78.07	32.14
		For Work In Restricted Working Space, Add	*14.45*	
		For Threaded Fittings, Add	*7.22*	
23 21 13 23-2602	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	91.96	40.85
		For Work In Restricted Working Space, Add	*18.35*	
		For Threaded Fittings, Add	*9.18*	
23 21 13 23-2603	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	104.50	48.67
		For Work In Restricted Working Space, Add	*21.90*	
		For Threaded Fittings, Add	*10.95*	
23 21 13 23-2604	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	132.39	60.44
		For Work In Restricted Working Space, Add	*27.16*	
		For Threaded Fittings, Add	*13.58*	
23 21 13 23-2605	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	183.75	79.45
		For Work In Restricted Working Space, Add	*35.74*	
		For Threaded Fittings, Add	*17.87*	
23 21 13 23-2606	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	212.81	94.38
		For Work In Restricted Working Space, Add	*42.44*	
		For Threaded Fittings, Add	*21.22*	
23 21 13 23-2607	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	278.97	125.85
		For Work In Restricted Working Space, Add	*56.58*	
		For Threaded Fittings, Add	*28.29*	
23 21 13 23-2608	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	385.35	162.28
		For Work In Restricted Working Space, Add	*72.98*	
		For Threaded Fittings, Add	*36.49*	
23 21 13 23-2609	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	622.14	201.22
		For Work In Restricted Working Space, Add	*90.49*	
		For Threaded Fittings, Add	*45.24*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2610		EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 Lb. Flanges	1,096.34	249.42
			For Work In Restricted Working Space, Add	*112.18*	
			For Threaded Fittings, Add	*56.09*	

23 21 13 23-2611 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2279)*

Note: In place pipe.

23 21 13 23-2612		EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.15	
			For Work In Restricted Working Space, Add	*1.85*	
23 21 13 23-2613		EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.63	
			For Work In Restricted Working Space, Add	*1.99*	
23 21 13 23-2614		EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.47	
			For Work In Restricted Working Space, Add	*2.24*	
23 21 13 23-2615		EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.83	
			For Work In Restricted Working Space, Add	*2.35*	
23 21 13 23-2616		EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.29	
			For Work In Restricted Working Space, Add	*2.49*	
23 21 13 23-2617		EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.13	
			For Work In Restricted Working Space, Add	*2.74*	
23 21 13 23-2618		EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.83	
			For Work In Restricted Working Space, Add	*2.95*	
23 21 13 23-2619		EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	11.61	
			For Work In Restricted Working Space, Add	*3.48*	
23 21 13 23-2620		EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	15.67	
			For Work In Restricted Working Space, Add	*4.70*	
23 21 13 23-2621		EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	22.39	
			For Work In Restricted Working Space, Add	*6.72*	
23 21 13 23-2622		EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	29.86	
			For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-2623		EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	36.51	
			For Work In Restricted Working Space, Add	*10.95*	

23 21 13 23-2624 Polyethylene Pipe And Fittings *(23 21 13 23)*

23 21 13 23-2625 Small Diameter Tubing *(23 21 13 23-2624)*

23 21 13 23-2626 Tubing *(23 21 13 23-2625)*

23 21 13 23-2627		LF	1/4" Polyethylene Tubing	3.64	
			For Work In Restricted Working Space, Add	*1.02*	
23 21 13 23-2628		LF	5/16" Polyethylene Tubing	3.91	
			For Work In Restricted Working Space, Add	*1.04*	
23 21 13 23-2629		LF	3/8" Polyethylene Tubing	4.11	
			For Work In Restricted Working Space, Add	*1.07*	
23 21 13 23-2630		LF	1/2" Polyethylene Tubing	4.26	
			For Work In Restricted Working Space, Add	*1.15*	

23 21 13 23-2631 Chrome Plated Pipe *(23 21 13 23)*

23 21 13 23-2632 Chrome Plated Nipples *(23 21 13 23-2631)*

23 21 13 23-2633 Close *(23 21 13 23-2632)*

23 21 13 23-2634	EA	1/4" Diameter Chrome Plated Nipple, Close	21.53	9.83
23 21 13 23-2635	EA	3/8" Diameter Chrome Plated Nipple, Close	20.70	10.69
23 21 13 23-2636	EA	1/2" Diameter Chrome Plated Nipple, Close	25.65	12.29
23 21 13 23-2637	EA	3/4" Diameter Chrome Plated Nipple, Close	33.59	15.61
23 21 13 23-2638	EA	1" Diameter Chrome Plated Nipple, Close	44.95	20.52
23 21 13 23-2639	EA	1-1/4" Diameter Chrome Plated Nipple, Close	63.64	28.63
23 21 13 23-2640	EA	1-1/2" Diameter Chrome Plated Nipple, Close	77.52	33.56
23 21 13 23-2641	EA	2" Diameter Chrome Plated Nipple, Close	99.76	41.79

23 21 13 23-2642 1-1/2" Nipples *(23 21 13 23-2632)*

23 21 13 23-2643	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	22.97	10.21
23 21 13 23-2644	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	21.85	11.06
23 21 13 23-2645	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	26.29	12.66
23 21 13 23-2646	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	34.77	15.97

23 21 13 23-2647 2" Nipples *(23 21 13 23-2632)*

23 21 13 23-2648	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	23.89	10.69
23 21 13 23-2649	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	22.61	11.43
23 21 13 23-2650	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	28.28	13.15
23 21 13 23-2651	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	36.46	16.35
23 21 13 23-2652	EA	1" Diameter, 2" Length, Chrome Plated Nipple	47.51	21.26
23 21 13 23-2653	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	67.78	29.50
23 21 13 23-2654	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	82.30	34.41

23 21 13 23-2655 2-1/2" Nipples *(23 21 13 23-2632)*

23 21 13 23-2656	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	25.25	11.06
23 21 13 23-2657	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	23.43	11.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2658	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	29.48	13.52
23 21 13 23-2659	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	37.34	16.84
23 21 13 23-2660	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	48.85	21.75
23 21 13 23-2661	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	71.72	29.86
23 21 13 23-2662	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	87.54	34.78
23 21 13 23-2663	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	111.24	43.02
23 21 13 23-2664		**3" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2665	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	26.29	11.43
23 21 13 23-2666	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	24.80	12.29
23 21 13 23-2667	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	29.08	13.15
23 21 13 23-2668	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	40.22	17.21
23 21 13 23-2669	EA	1" Diameter, 3" Length, Chrome Plated Nipple	54.70	22.12
23 21 13 23-2670	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	76.02	30.36
23 21 13 23-2671	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	99.86	35.28
23 21 13 23-2672	EA	2" Diameter, 3" Length, Chrome Plated Nipple	120.91	43.51
23 21 13 23-2673		**3-1/2" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2674	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	27.48	11.92
23 21 13 23-2675	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	27.10	12.66
23 21 13 23-2676	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	32.03	14.38
23 21 13 23-2677	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	44.47	17.57
23 21 13 23-2678	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	56.97	22.49
23 21 13 23-2679	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	84.43	30.73
23 21 13 23-2680	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	103.58	35.64
23 21 13 23-2681	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	128.61	43.87
23 21 13 23-2682		**4" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2683	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	28.66	12.29
23 21 13 23-2684	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	27.78	13.15
23 21 13 23-2685	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	32.27	13.89
23 21 13 23-2686	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	46.18	18.07
23 21 13 23-2687	EA	1" Diameter, 4" Length, Chrome Plated Nipple	59.15	22.98
23 21 13 23-2688	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	90.85	31.09
23 21 13 23-2689	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	111.18	36.01
23 21 13 23-2690	EA	2" Diameter, 4" Length, Chrome Plated Nipple	137.99	44.25
23 21 13 23-2691		**4-1/2" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2692	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	29.71	12.66
23 21 13 23-2693	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	30.09	13.52
23 21 13 23-2694	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	35.38	15.12
23 21 13 23-2695	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	48.12	18.44
23 21 13 23-2696	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	66.57	23.35
23 21 13 23-2697	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	97.00	31.58
23 21 13 23-2698	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	114.59	36.51
23 21 13 23-2699	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	146.63	44.74
23 21 13 23-2700		**5" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2701	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	33.25	13.15
23 21 13 23-2702	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	31.54	13.89
23 21 13 23-2703	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	36.65	15.61
23 21 13 23-2704	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	49.99	18.80
23 21 13 23-2705	EA	1" Diameter, 5" Length, Chrome Plated Nipple	71.08	23.72
23 21 13 23-2706	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	102.60	31.96
23 21 13 23-2707	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	122.22	36.87
23 21 13 23-2708	EA	2" Diameter, 5" Length, Chrome Plated Nipple	152.23	45.10
23 21 13 23-2709		**5-1/2" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2710	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	34.33	13.52
23 21 13 23-2711	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	32.70	14.38
23 21 13 23-2712	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	40.17	15.97
23 21 13 23-2713	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	51.85	19.29
23 21 13 23-2714	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	73.46	24.22
23 21 13 23-2715	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	109.38	32.32
23 21 13 23-2716	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	128.31	37.24
23 21 13 23-2717	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	159.34	45.47
23 21 13 23-2718		**6" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2719	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	35.60	13.89
23 21 13 23-2720	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	33.35	14.75
23 21 13 23-2721	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	41.34	16.35
23 21 13 23-2722	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	53.37	19.67
23 21 13 23-2723	EA	1" Diameter, 6" Length, Chrome Plated Nipple	80.67	24.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2724	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	113.55	32.81
23 21 13 23-2725	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	137.68	37.73
23 21 13 23-2726	EA	2" Diameter, 6" Length, Chrome Plated Nipple	165.87	45.97
23 21 13 23-2727		**8" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2728	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	39.76	15.61
23 21 13 23-2729	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	58.71	17.21
23 21 13 23-2730	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	71.37	20.52
23 21 13 23-2731	EA	1" Diameter, 8" Length, Chrome Plated Nipple	94.84	25.44
23 21 13 23-2732	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	136.05	33.56
23 21 13 23-2733	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	167.08	38.47
23 21 13 23-2734	EA	2" Diameter, 8" Length, Chrome Plated Nipple	205.87	46.70
23 21 13 23-2735		**10" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2736	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	45.85	15.61
23 21 13 23-2737	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	66.38	17.21
23 21 13 23-2738	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	80.25	20.52
23 21 13 23-2739	EA	1" Diameter, 10" Length, Chrome Plated Nipple	108.28	25.44
23 21 13 23-2740	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	164.82	33.56
23 21 13 23-2741	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	188.99	38.47
23 21 13 23-2742	EA	2" Diameter, 10" Length, Chrome Plated Nipple	240.90	46.70
23 21 13 23-2743		**12" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2744	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	51.15	17.21
23 21 13 23-2745	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	69.48	18.07
23 21 13 23-2746	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	88.63	21.26
23 21 13 23-2747	EA	1" Diameter, 12" Length, Chrome Plated Nipple	127.09	27.03
23 21 13 23-2748	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	184.89	35.28
23 21 13 23-2749	EA	2" Diameter, 12" Length, Chrome Plated Nipple	271.40	48.42
23 21 13 23-2750		**18" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2751	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	65.20	18.07
23 21 13 23-2752		**24" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2753	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	78.65	18.80
23 21 13 23-2754		**30" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2755	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	87.23	19.67
23 21 13 23-2756		**36" Nipples** *(23 21 13 23-2632)*		
23 21 13 23-2757	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	95.82	20.52
23 21 13 23-2758		**Chrome Plated Fittings** *(23 21 13 23-2631)*		
23 21 13 23-2759		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2758)*		
23 21 13 23-2760	EA	1/4" 90 Degree Elbow, Chrome Plated	27.45	11.43
23 21 13 23-2761	EA	3/8" 90 Degree Elbow, Chrome Plated	28.02	12.29
23 21 13 23-2762	EA	1/2" 90 Degree Elbow, Chrome Plated	31.51	13.15
23 21 13 23-2763	EA	3/4" 90 Degree Elbow, Chrome Plated	40.22	17.21
23 21 13 23-2764	EA	1" 90 Degree Elbow, Chrome Plated	54.58	22.12
23 21 13 23-2765	EA	1-1/4" 90 Degree Elbow, Chrome Plated	83.82	30.36
23 21 13 23-2766	EA	1-1/2" 90 Degree Elbow, Chrome Plated	100.66	35.28
23 21 13 23-2767	EA	2" 90 Degree Elbow, Chrome Plated	137.65	43.51
23 21 13 23-2768		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2758)*		
23 21 13 23-2769	EA	1/4" Street 90 Degree Elbow, Chrome Plated	31.73	11.43
23 21 13 23-2770	EA	3/8" Street 90 Degree Elbow, Chrome Plated	32.73	12.29
23 21 13 23-2771	EA	1/2" Street 90 Degree Elbow, Chrome Plated	34.78	13.15
23 21 13 23-2772	EA	3/4" Street 90 Degree Elbow, Chrome Plated	45.05	17.21
23 21 13 23-2773	EA	1" Street 90 Degree Elbow, Chrome Plated	63.48	22.12
23 21 13 23-2774	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	92.95	30.36
23 21 13 23-2775	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	113.45	35.28
23 21 13 23-2776	EA	2" Street 90 Degree Elbow, Chrome Plated	167.74	43.51
23 21 13 23-2777		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2758)*		
23 21 13 23-2778	EA	1/4" 45 Degree Elbow, Chrome Plated	28.38	11.43
23 21 13 23-2779	EA	3/8" 45 Degree Elbow, Chrome Plated	29.38	12.29
23 21 13 23-2780	EA	1/2" 45 Degree Elbow, Chrome Plated	32.48	13.15
23 21 13 23-2781	EA	3/4" 45 Degree Elbow, Chrome Plated	43.91	17.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2782	EA	1" 45 Degree Elbow, Chrome Plated	58.70	22.12
23 21 13 23-2783	EA	1-1/4" 45 Degree Elbow, Chrome Plated	88.78	30.36
23 21 13 23-2784	EA	1-1/2" 45 Degree Elbow, Chrome Plated	107.29	35.28
23 21 13 23-2785	EA	2" 45 Degree Elbow, Chrome Plated	155.85	43.51
23 21 13 23-2786		**Chrome Plated Street 45 Degree Elbows** *(23 21 13 23-2758)*		
23 21 13 23-2787	EA	1/2" Street 45 Degree Elbow, Chrome Plated	38.37	13.15
23 21 13 23-2788		**Chrome Plated Couplings** *(23 21 13 23-2758)*		
23 21 13 23-2789	EA	1/4" Coupling, Chrome Plated	26.86	11.43
23 21 13 23-2790	EA	3/8" Coupling, Chrome Plated	28.10	12.29
23 21 13 23-2791	EA	1/2" Coupling, Chrome Plated	31.75	13.15
23 21 13 23-2792	EA	3/4" Coupling, Chrome Plated	40.32	17.21
23 21 13 23-2793	EA	1" Coupling, Chrome Plated	52.54	22.12
23 21 13 23-2794	EA	1-1/4" Coupling, Chrome Plated	76.41	30.36
23 21 13 23-2795	EA	1-1/2" Coupling, Chrome Plated	94.45	35.28
23 21 13 23-2796	EA	2" Coupling, Chrome Plated	130.06	43.51
23 21 13 23-2797		**Chrome Plated Unions** *(23 21 13 23-2758)*		
23 21 13 23-2798	EA	1/4" Union, Chrome Plated	42.98	13.15
23 21 13 23-2799	EA	3/8" Union, Chrome Plated	44.23	13.89
23 21 13 23-2800	EA	1/2" Union, Chrome Plated	53.43	15.61
23 21 13 23-2801	EA	3/4" Union, Chrome Plated	66.28	20.52
23 21 13 23-2802	EA	1" Union, Chrome Plated	83.84	26.18
23 21 13 23-2803	EA	1-1/4" Union, Chrome Plated	135.74	35.28
23 21 13 23-2804	EA	1-1/2" Union, Chrome Plated	168.95	41.79
23 21 13 23-2805	EA	2" Union, Chrome Plated	220.38	50.88
23 21 13 23-2806		**Chrome Plated Caps** *(23 21 13 23-2758)*		
23 21 13 23-2807	EA	1/4" Cap, Chrome Plated	18.02	5.78
23 21 13 23-2808	EA	3/8" Cap, Chrome Plated	18.62	6.15
23 21 13 23-2809	EA	1/2" Cap, Chrome Plated	21.26	6.51
23 21 13 23-2810	EA	3/4" Cap, Chrome Plated	26.52	8.61
23 21 13 23-2811	EA	1" Cap, Chrome Plated	31.56	11.06
23 21 13 23-2812	EA	1-1/4" Cap, Chrome Plated	46.54	15.12
23 21 13 23-2813	EA	1-1/2" Cap, Chrome Plated	61.26	17.57
23 21 13 23-2814	EA	2" Cap, Chrome Plated	89.49	22.98
23 21 13 23-2815		**Chrome Plated Plugs** *(23 21 13 23-2758)*		
23 21 13 23-2816	EA	1/4" Plug, Chrome Plated	14.75	5.78
23 21 13 23-2817	EA	3/8" Plug, Chrome Plated	15.35	6.15
23 21 13 23-2818	EA	1/2" Plug, Chrome Plated	17.81	6.51
23 21 13 23-2819	EA	3/4" Plug, Chrome Plated	24.07	8.61
23 21 13 23-2820	EA	1" Plug, Chrome Plated	29.69	11.06
23 21 13 23-2821	EA	1-1/4" Plug, Chrome Plated	40.10	15.12
23 21 13 23-2822	EA	1-1/2" Plug, Chrome Plated	49.44	17.57
23 21 13 23-2823	EA	2" Plug, Chrome Plated	68.94	22.98
23 21 13 23-2824		**Chrome Plated Tees** *(23 21 13 23-2758)*		
23 21 13 23-2825	EA	1/4" Chrome Plated Tee	38.16	17.21
23 21 13 23-2826	EA	3/8" Chrome Plated Tee	40.62	18.80
23 21 13 23-2827	EA	1/2" Chrome Plated Tee	45.26	20.52
23 21 13 23-2828	EA	3/4" Chrome Plated Tee	56.37	25.44
23 21 13 23-2829	EA	1" Chrome Plated Tee	80.07	32.81
23 21 13 23-2830	EA	1-1/4" Chrome Plated Tee	110.38	45.10
23 21 13 23-2831	EA	1-1/2" Chrome Plated Tee	141.18	52.48
23 21 13 23-2832	EA	2" Chrome Plated Tee	193.51	64.77
23 21 13 23-2833		**Chrome Plated Reducing 90 Degree Elbows** *(23 21 13 23-2758)*		
23 21 13 23-2834	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	43.07	20.52
23 21 13 23-2835	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	50.45	25.44
23 21 13 23-2836		**Chrome Plated Bell Reducers** *(23 21 13 23-2758)*		
23 21 13 23-2837	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	47.03	20.52
23 21 13 23-2838	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	57.26	25.44
23 21 13 23-2839	EA	1" x 1/2" Bell Reducer, Chrome Plated	72.76	32.81
23 21 13 23-2840		**Chrome Plated Reducing Tees** *(23 21 13 23-2758)*		
23 21 13 23-2841	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	62.29	25.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2842		Chrome Plated Bushings *(23 21 13 23-2758)*		
23 21 13 23-2843	EA	3/8" x 1/4" Bushing, Chrome Plated	14.65	5.78
23 21 13 23-2844	EA	1/2" x 1/4" Bushing, Chrome Plated	15.76	6.15
23 21 13 23-2845	EA	1/2" x 3/8" Bushing, Chrome Plated	16.38	6.51
23 21 13 23-2846	EA	3/4" x 1/2" Bushing, Chrome Plated	20.82	8.61
23 21 13 23-2847	EA	1" x 3/4" Bushing, Chrome Plated	30.32	11.06
23 21 13 23-2848	EA	1-1/4" x 1" Bushing, Chrome Plated	44.34	15.12
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		Air Vents *(23 21 16)*		
23 21 16 00-0002		Screwed Ends, Cast Iron, Automatic Air Vents *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0003	EA	1/2" NPT, Cast Iron, Automatic Air Vent	331.67	35.65
23 21 16 00-0004	EA	3/4" NPT, Cast Iron, Automatic Air Vent	406.20	47.33
23 21 16 00-0005	EA	1" NPT, Cast Iron, Automatic Air Vent	923.19	49.18
23 21 16 00-0006	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,369.06	75.98
23 21 16 00-0007	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	2,280.64	81.76
23 21 16 00-0008	EA	2" NPT, Cast Iron, Automatic Air Vent	2,619.38	107.83
23 21 16 00-0009		Forged Steel, Stainless Steel Internals, Automatic Air Vents *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0010	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,351.21	41.19
23 21 16 00-0011	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,947.61	47.33
23 21 16 00-0012	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,518.69	49.18
23 21 16 00-0013	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	5,774.35	76.23
23 21 16 00-0014	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,670.41	81.76
23 21 16 00-0015	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	9,809.08	107.58
23 21 16 00-0016		Automatic Air Vent *(23 21 16 00-0001)*		
23 21 16 00-0017	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	257.81	47.33
23 21 16 00-0018	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	282.29	49.18
23 21 16 00-0019	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	399.71	75.98
23 21 16 00-0020	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	494.20	81.76
23 21 16 00-0021	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	630.94	88.10
23 21 16 00-0022		Manual Air Vent Bleed Plug Valve *(23 21 16 00-0001)*		
23 21 16 00-0023	EA	Up To 1/2" Manual Air Vent Bleed Plug Valve	84.56	44.38
23 21 16 00-0024		Air Release Valves *(23 21 16 00-0001)*		
23 21 16 00-0025		Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0026	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	204.08	18.45
23 21 16 00-0027	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	209.01	20.90
23 21 16 00-0028	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	218.84	25.82
23 21 16 00-0029		Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0030	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	832.98	25.82
23 21 16 00-0031	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,000.07	44.88
23 21 16 00-0032	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,311.82	104.63
23 21 16 00-0033		Cast Iron, Air/Vacuum Valves *(23 21 16 00-0024)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0034	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	403.13	18.45
23 21 16 00-0035	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	497.51	25.82
23 21 16 00-0036	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	859.41	44.88
23 21 16 00-0037	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,248.12	104.63
23 21 16 00-0038	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,952.61	175.64
23 21 16 00-0039	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,971.43	222.10
23 21 16 00-0040		Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice *(23 21 16 00-0024)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0041	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	720.45	25.82
23 21 16 00-0042	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	1,106.23	44.88
23 21 16 00-0043	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	2,031.05	104.63
23 21 16 00-0044	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,634.69	175.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0045		**Vent Valves** *(23 21 16)*		
23 21 16 00-0046	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	85.13	18.45
23 21 16 00-0047	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	206.40	19.84
23 21 16 00-0048	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	196.73	19.84
23 21 16 00-0049	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	203.50	19.84
23 21 16 00-0050	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	262.75	19.84
23 21 16 00-0051	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	194.07	19.84
23 21 16 00-0052		**Threaded Inlet, Drip-Pan Elbow** *(23 21 16)*		
23 21 16 00-0053		**Cast Iron, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)*		
23 21 16 00-0054	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	262.91	30.98
		For Flanged Inlet, Add	*95.32*	
23 21 16 00-0055	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	298.56	36.72
		For Flanged Inlet, Add	*102.33*	
23 21 16 00-0056	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	374.29	42.46
		For Flanged Inlet, Add	*138.05*	
23 21 16 00-0057	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	551.69	48.20
		For Flanged Inlet, Add	*242.88*	
23 21 16 00-0058	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	624.36	57.38
		For Flanged Inlet, Add	*268.49*	
23 21 16 00-0059	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	863.91	72.29
		For Flanged Inlet, Add	*392.37*	
23 21 16 00-0060	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,917.96	95.25
		For Flanged Inlet, Add	*1,044.09*	
23 21 16 00-0061		**Cast Steel, Threaded Inlet, Drip-Pan Elbow** *(23 21 16 00-0052)*		
23 21 16 00-0062	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	798.27	30.98
		For Flanged Inlet, Add	*459.36*	
23 21 16 00-0063	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	966.64	36.72
		For Flanged Inlet, Add	*556.62*	
23 21 16 00-0064	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,391.20	42.46
		For Flanged Inlet, Add	*829.55*	
23 21 16 00-0065	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,414.43	48.20
		For Flanged Inlet, Add	*829.55*	
23 21 16 00-0066	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,049.66	57.38
		For Flanged Inlet, Add	*1,237.70*	
23 21 16 00-0067	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,107.04	72.29
		For Flanged Inlet, Add	*1,237.70*	
23 21 16 00-0068	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,508.17	95.25
		For Flanged Inlet, Add	*2,125.43*	
23 21 16 00-0069		**Y-Type Strainers** *(23 21 16)*		
23 21 16 00-0070		**Screwed Ends, 250 Lb., Iron Body, Y-Type Strainers** *(23 21 16 00-0069)*		
23 21 16 00-0071	EA	1/4" Or 3/8" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	84.95	13.77
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*11.80*	
23 21 16 00-0072	EA	1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	85.57	14.02
		For Galvanized Body, Add	*22.81*	
		For Work In Restricted Working Space, Add	*11.99*	
23 21 16 00-0073	EA	3/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	108.53	18.93
		For Galvanized Body, Add	*27.22*	
		For Work In Restricted Working Space, Add	*16.23*	
23 21 16 00-0074	EA	1" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	138.11	22.62
		For Galvanized Body, Add	*36.78*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 16 00-0075	EA	1-1/4" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	180.69	27.97
		For Galvanized Body, Add	*50.39*	
		For Work In Restricted Working Space, Add	*23.98*	
23 21 16 00-0076	EA	1-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	207.44	30.13
		For Galvanized Body, Add	*60.69*	
		For Work In Restricted Working Space, Add	*25.82*	
23 21 16 00-0077	EA	2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	285.20	34.42
		For Galvanized Body, Add	*93.42*	
		For Work In Restricted Working Space, Add	*29.51*	
23 21 16 00-0078	EA	2-1/2" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	542.97	43.03
		For Galvanized Body, Add	*210.01*	
		For Work In Restricted Working Space, Add	*36.89*	
23 21 16 00-0079	EA	3" Screwed Ends, 250 Lb., Iron Body, Y-Type Strainer	702.43	53.85
		For Galvanized Body, Add	*274.37*	
		For Work In Restricted Working Space, Add	*46.11*	
23 21 16 00-0080		**Flanged, 125 Lb., Iron Body , Y-Type Strainers** *(23 21 16 00-0069)*		
23 21 16 00-0081	EA	1-1/2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	509.24	129.09
		For Galvanized Body, Add	*173.74*	
		For Work In Restricted Working Space, Add	*48.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0082	EA	2" Flanged, 125 Lb., Iron Body, Y-Type Strainer	580.93	163.89
		For Galvanized Body, Add	*188.01*	
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0083	EA	3" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,158.00	209.01
		For Galvanized Body, Add	*448.21*	
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0084	EA	4" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,456.35	350.40
		For Galvanized Body, Add	*508.63*	
		For Work In Restricted Working Space, Add	*131.73*	
23 21 16 00-0085	EA	5" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,578.56	352.94
		For Galvanized Body, Add	*569.03*	
		For Work In Restricted Working Space, Add	*132.15*	
23 21 16 00-0086	EA	6" Flanged, 125 Lb., Iron Body, Y-Type Strainer	1,905.37	392.16
		For Galvanized Body, Add	*706.71*	
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0087	EA	8" Flanged, 125 Lb., Iron Body, Y-Type Strainer	3,406.21	501.09
		For Galvanized Body, Add	*1,391.87*	
		For Work In Restricted Working Space, Add	*186.74*	
23 21 16 00-0088	EA	10" Flanged, 125 Lb., Iron Body, Y-Type Strainer	6,966.98	610.02
		For Galvanized Body, Add	*3,102.23*	
		For Work In Restricted Working Space, Add	*228.76*	
23 21 16 00-0089	EA	12" Flanged, 125 Lb., Iron Body, Y-Type Strainer	7,540.59	544.66
		For Galvanized Body, Add	*3,225.63*	
		For Work In Restricted Working Space, Add	*326.80*	

23 21 16 00-0090 Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0091	EA	1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	75.69	14.02
		For 300 Lb. Rating, Add	*60.74*	
		For Work In Restricted Working Space, Add	*11.99*	
23 21 16 00-0092	EA	3/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	100.54	18.93
		For 300 Lb. Rating, Add	*78.95*	
		For Work In Restricted Working Space, Add	*16.23*	
23 21 16 00-0093	EA	1" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	123.05	22.62
		For 300 Lb. Rating, Add	*99.45*	
		For Work In Restricted Working Space, Add	*19.37*	
23 21 16 00-0094	EA	1-1/4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	167.81	27.97
		For 300 Lb. Rating, Add	*149.41*	
		For Work In Restricted Working Space, Add	*23.98*	
23 21 16 00-0095	EA	1-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	200.22	30.13
		For 300 Lb. Rating, Add	*194.06*	
		For Work In Restricted Working Space, Add	*25.82*	
23 21 16 00-0096	EA	2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	268.33	34.42
		For 300 Lb. Rating, Add	*288.95*	
		For Work In Restricted Working Space, Add	*29.51*	
23 21 16 00-0097	EA	2-1/2" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	377.95	43.03
		For 300 Lb. Rating, Add	*433.50*	
		For Work In Restricted Working Space, Add	*36.89*	
23 21 16 00-0098	EA	3" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	682.40	53.85
		For 300 Lb. Rating, Add	*898.81*	
		For Work In Restricted Working Space, Add	*46.11*	
23 21 16 00-0099	EA	4" Screwed Ends, 150 Lb., Bronze Body, Y-Type Strainer	1,187.82	64.55
		For 300 Lb. Rating, Add	*1,705.78*	
		For Work In Restricted Working Space, Add	*55.33*	

23 21 16 00-0100 Flanged, 150 Lb., Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With bolted cap.

23 21 16 00-0101	EA	2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	648.72	163.89
		For Work In Restricted Working Space, Add	*61.47*	
		For 300 Lb. Rating, Add	*266.29*	
23 21 16 00-0102	EA	2-1/2" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	675.72	178.28
		For Work In Restricted Working Space, Add	*67.06*	
		For 300 Lb. Rating, Add	*271.31*	
23 21 16 00-0103	EA	3" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	779.37	209.01
		For Work In Restricted Working Space, Add	*78.48*	
		For 300 Lb. Rating, Add	*310.67*	
23 21 16 00-0104	EA	4" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	1,697.23	350.40
		For Work In Restricted Working Space, Add	*131.73*	
		For 300 Lb. Rating, Add	*754.88*	
23 21 16 00-0105	EA	6" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	2,399.06	392.16
		For Work In Restricted Working Space, Add	*147.59*	
		For 300 Lb. Rating, Add	*1,144.27*	
23 21 16 00-0106	EA	8" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	3,877.10	501.09
		For Work In Restricted Working Space, Add	*186.74*	
		For 300 Lb. Rating, Add	*1,952.78*	
23 21 16 00-0107	EA	10" Flanged, 150 Lb., Bronze Body, Y-Type Strainer	12,443.84	610.02
		For Work In Restricted Working Space, Add	*228.76*	
		For 300 Lb. Rating, Add	*7,008.79*	

23 21 16 00-0108 Crimped Bronze Body, Class 125, Y-Type Strainers *(23 21 16 00-0069)*

Note: NIBCO

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0109	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	187.63	12.29
		For Work In Restricted Working Space, Add	*8.30*	
23 21 16 00-0110	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	217.43	13.52
		For Work In Restricted Working Space, Add	*9.45*	
23 21 16 00-0111	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	310.59	15.36
		For Work In Restricted Working Space, Add	*11.29*	
23 21 16 00-0112	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	417.72	16.35
		For Work In Restricted Working Space, Add	*12.44*	
23 21 16 00-0113	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	503.49	18.92
		For Work In Restricted Working Space, Add	*13.83*	
23 21 16 00-0114	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	747.52	22.36
		For Work In Restricted Working Space, Add	*16.59*	

23 21 16 00-0115 Crimped Bronze Body, 250 PSI, Y-Type Strainers *(23 21 16 00-0069)*

23 21 16 00-0116	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	78.75	12.29
23 21 16 00-0117	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	95.91	13.52
23 21 16 00-0118	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	139.83	15.36
23 21 16 00-0119	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	170.51	16.35
23 21 16 00-0120	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	203.17	18.92
23 21 16 00-0121	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	266.36	22.36

23 21 16 00-0122 Cast Iron Body, Suction Diffusers *(23 21 16)*

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

23 21 16 00-0123	EA	2" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	565.02	48.44
		For Work In Restricted Working Space, Add	*23.72*	
23 21 16 00-0124	EA	2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	593.22	53.73
		For Work In Restricted Working Space, Add	*26.35*	
23 21 16 00-0125	EA	2-1/2" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	602.51	56.43
		For Work In Restricted Working Space, Add	*27.68*	
23 21 16 00-0126	EA	2-1/2" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,137.15	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0127	EA	3" x 1-1/2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	622.25	65.66
		For Work In Restricted Working Space, Add	*32.14*	
23 21 16 00-0128	EA	3" x 2" Screwed Ends, 175 Lb., Cast Iron Body, Suction Diffuser	704.87	65.66
		For Work In Restricted Working Space, Add	*32.14*	
23 21 16 00-0129	EA	3" x 2-1/2" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,190.19	194.05
		For Work In Restricted Working Space, Add	*72.77*	
23 21 16 00-0130	EA	3" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,214.08	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0131	EA	4" x 3" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,472.92	280.27
		For Work In Restricted Working Space, Add	*105.10*	
23 21 16 00-0132	EA	4" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,731.76	350.40
		For Work In Restricted Working Space, Add	*131.73*	
23 21 16 00-0133	EA	6" x 4" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	1,985.87	352.40
		For Work In Restricted Working Space, Add	*132.15*	
23 21 16 00-0134	EA	6" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,401.79	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0135	EA	8" x 6" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	2,712.12	501.09
		For Work In Restricted Working Space, Add	*186.74*	
23 21 16 00-0136	EA	8" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,213.74	501.09
		For Work In Restricted Working Space, Add	*186.74*	
23 21 16 00-0137	EA	10" x 8" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	4,810.60	610.02
		For Work In Restricted Working Space, Add	*228.76*	
23 21 16 00-0138	EA	10" x 10" Flanged, 175 Lb., Cast Iron Body, Suction Diffuser	5,631.88	610.02
		For Work In Restricted Working Space, Add	*228.76*	

23 21 16 00-0139 Duplex Strainers *(23 21 16)*

23 21 16 00-0140 Iron Body, Duplex Strainers *(23 21 16 00-0139)*

23 21 16 00-0141 Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0140)*

Note: With brass or stainless steel basket.

23 21 16 00-0142	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	972.29	30.62
		For Work In Restricted Working Space, Add	*18.38*	
23 21 16 00-0143	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,085.55	35.04
		For Work In Restricted Working Space, Add	*21.04*	
23 21 16 00-0144	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,472.59	41.19
		For Work In Restricted Working Space, Add	*24.70*	
23 21 16 00-0145	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	1,854.86	44.88
		For Work In Restricted Working Space, Add	*26.93*	
23 21 16 00-0146	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	2,486.98	54.71
		For Work In Restricted Working Space, Add	*32.93*	
23 21 16 00-0147	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,129.41	70.08
		For Work In Restricted Working Space, Add	*42.04*	

23 21 16 00-0148 Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0140)*

Note: With brass or stainless steel basket.

23 21 16 00-0149	EA	2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,384.00	163.89
		For Work In Restricted Working Space, Add	*61.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0150	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	3,497.53	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0151	EA	3" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	4,484.56	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0152	EA	4" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	7,031.93	310.45
		For Work In Restricted Working Space, Add	*116.72*	
23 21 16 00-0153	EA	6" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	13,777.71	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0154	EA	8" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	26,245.00	501.09
		For Work In Restricted Working Space, Add	*186.74*	
23 21 16 00-0155	EA	10" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	36,254.47	610.02
		For Work In Restricted Working Space, Add	*228.76*	
23 21 16 00-0156	EA	12" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	41,016.27	769.07
		For Work In Restricted Working Space, Add	*461.58*	
23 21 16 00-0157	EA	14" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	48,918.05	871.46
		For Work In Restricted Working Space, Add	*326.80*	
23 21 16 00-0158	EA	16" Flanged, 125 Lb., Bronze Diverter, Iron Body, Duplex Strainer	61,173.95	958.61
		For Work In Restricted Working Space, Add	*359.48*	

23 21 16 00-0159 Bronze Body, Duplex Strainers *(23 21 16 00-0139)*

23 21 16 00-0160 Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0159)*

Note: With brass or stainless steel basket.

23 21 16 00-0161	EA	3/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	1,816.89	30.74
		For Work In Restricted Working Space, Add	*18.38*	
23 21 16 00-0162	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,015.55	35.04
		For Work In Restricted Working Space, Add	*21.04*	
23 21 16 00-0163	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	2,953.00	41.19
		For Work In Restricted Working Space, Add	*24.70*	
23 21 16 00-0164	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	3,885.68	44.88
		For Work In Restricted Working Space, Add	*26.93*	
23 21 16 00-0165	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	5,020.76	54.71
		For Work In Restricted Working Space, Add	*32.93*	
23 21 16 00-0166	EA	2-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Bronze Body Duplex Strainer	6,166.16	70.08
		For Work In Restricted Working Space, Add	*42.04*	

23 21 16 00-0167 Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0159)*

Note: With brass or stainless steel basket.

23 21 16 00-0168	EA	2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,037.58	163.89
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0169	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	7,246.01	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0170	EA	3" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	9,941.21	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0171	EA	4" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	15,667.67	310.45
		For Work In Restricted Working Space, Add	*116.72*	
23 21 16 00-0172	EA	6" Flanged, 125 Lb., Bronze Diverter, Bronze Body, Duplex Strainer	34,085.93	392.16
		For Work In Restricted Working Space, Add	*147.59*	

23 21 16 00-0173 Cast Steel Body, Duplex Strainers *(23 21 16 00-0139)*

23 21 16 00-0174 Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0173)*

Note: With brass or stainless steel basket.

23 21 16 00-0175	EA	1" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	2,833.35	35.04
		For Work In Restricted Working Space, Add	*21.04*	
23 21 16 00-0176	EA	1-1/4" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	3,490.27	41.19
		For Work In Restricted Working Space, Add	*24.69*	
23 21 16 00-0177	EA	1-1/2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	4,142.48	44.88
		For Work In Restricted Working Space, Add	*26.93*	
23 21 16 00-0178	EA	2" Screwed Ends, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,017.81	54.71
		For Work In Restricted Working Space, Add	*32.93*	

23 21 16 00-0179 Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0173)*

Note: With brass or stainless steel basket.

23 21 16 00-0180	EA	2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,159.00	163.89
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0181	EA	2-1/2" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	7,868.43	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0182	EA	3" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	10,347.32	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0183	EA	4" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	15,172.24	310.45
		For Work In Restricted Working Space, Add	*116.72*	
23 21 16 00-0184	EA	6" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	25,913.52	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0185	EA	8" Flanged, 125 Lb., Bronze Diverter, Cast Steel Body, Duplex Strainer	50,544.53	501.09
		For Work In Restricted Working Space, Add	*186.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0186		Stainless Steel Body, Duplex Strainers *(23 21 16 00-0139)*		
23 21 16 00-0187		Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0186)*		
		Note: With stainless steel basket.		
23 21 16 00-0188	EA	1" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,494.03	35.04
		For Work In Restricted Working Space, Add	*21.04*	
23 21 16 00-0189	EA	1-1/4" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	8,207.34	41.19
		For Work In Restricted Working Space, Add	*24.69*	
23 21 16 00-0190	EA	1-1/2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	9,904.04	44.88
		For Work In Restricted Working Space, Add	*26.93*	
23 21 16 00-0191	EA	2" Screwed Ends, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	15,872.10	54.71
		For Work In Restricted Working Space, Add	*32.93*	
23 21 16 00-0192		Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers *(23 21 16 00-0186)*		
		Note: With stainless steel basket.		
23 21 16 00-0193	EA	2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	16,621.51	163.89
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0194	EA	2-1/2" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	17,472.87	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0195	EA	3" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	27,384.67	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0196	EA	4" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	33,460.17	310.45
		For Work In Restricted Working Space, Add	*116.72*	
23 21 16 00-0197	EA	6" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	58,782.78	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0198	EA	8" Flanged, 125 Lb., Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	108,638.94	501.09
		For Work In Restricted Working Space, Add	*186.74*	
23 21 16 00-0199		Pressure Regulating Valve *(23 21 16)*		
23 21 16 00-0200		Screwed Ends, Iron Body, Water Pressure Reducing Valves *(23 21 16 00-0199)*		
		Note: For building services, 25 - 75 PSI, up to 300 Lb. rating		
23 21 16 00-0201	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	239.46	15.36
		For Work In Restricted Working Space, Add	*18.44*	
23 21 16 00-0202	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	295.16	17.21
		For Work In Restricted Working Space, Add	*20.48*	
23 21 16 00-0203	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	388.62	18.44
		For Work In Restricted Working Space, Add	*21.69*	
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	666.64	20.64
		For Work In Restricted Working Space, Add	*24.58*	
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	904.90	24.58
		For Work In Restricted Working Space, Add	*29.50*	
23 21 16 00-0206	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,296.67	37.69
		For Work In Restricted Working Space, Add	*45.27*	
23 21 16 00-0207	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,410.50	42.44
		For Work In Restricted Working Space, Add	*50.93*	
23 21 16 00-0208	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,549.83	122.79
		For Work In Restricted Working Space, Add	*56.58*	
23 21 16 00-0209		Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0199)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0210		Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0209)*		
23 21 16 00-0211	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	403.10	20.65
		For Work In Restricted Working Space, Add	*24.75*	
23 21 16 00-0212	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	504.92	29.26
		For Work In Restricted Working Space, Add	*35.13*	
23 21 16 00-0213	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	648.95	35.65
		For Work In Restricted Working Space, Add	*42.89*	
23 21 16 00-0214	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	868.05	43.28
		For Work In Restricted Working Space, Add	*49.84*	
23 21 16 00-0215	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,164.94	49.18
		For Work In Restricted Working Space, Add	*56.75*	
23 21 16 00-0216	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,362.56	68.85
		For Work In Restricted Working Space, Add	*68.86*	
23 21 16 00-0217		Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer *(23 21 16 00-0209)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0218	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,137.54	166.40
		For Work In Restricted Working Space, Add	*62.60*	
23 21 16 00-0219	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,901.16	195.09
		For Work In Restricted Working Space, Add	*73.25*	
23 21 16 00-0220	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	5,018.98	327.07
		For Work In Restricted Working Space, Add	*122.96*	
23 21 16 00-0221	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	12,488.90	386.42
		For Work In Restricted Working Space, Add	*145.43*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0222		Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0199)*		
23 21 16 00-0223		Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0222)*		
23 21 16 00-0224	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,272.91	15.00
		For Work In Restricted Working Space, Add	*22.50*	
23 21 16 00-0225	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,320.58	15.00
		For Work In Restricted Working Space, Add	*22.50*	
23 21 16 00-0226	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,472.65	18.93
		For Work In Restricted Working Space, Add	*28.40*	
23 21 16 00-0227	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,906.28	24.09
		For Work In Restricted Working Space, Add	*36.15*	
23 21 16 00-0228	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,327.23	27.79
		For Work In Restricted Working Space, Add	*41.68*	
23 21 16 00-0229	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,125.07	32.70
		For Work In Restricted Working Space, Add	*49.06*	
23 21 16 00-0230		Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves *(23 21 16 00-0222)*		
23 21 16 00-0231	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,097.02	166.40
		For Work In Restricted Working Space, Add	*62.60*	
23 21 16 00-0232	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	6,287.11	195.09
		For Work In Restricted Working Space, Add	*73.25*	
23 21 16 00-0233	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	9,524.58	327.07
		For Work In Restricted Working Space, Add	*122.96*	
23 21 16 00-0234	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	20,933.30	386.42
		For Work In Restricted Working Space, Add	*145.43*	
23 21 16 00-0235		Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves *(23 21 16 00-0199)*		
23 21 16 00-0236	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	268.73	15.97
23 21 16 00-0237	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	332.47	17.69
23 21 16 00-0238	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	440.63	18.80
23 21 16 00-0239	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	762.78	21.39
23 21 16 00-0240	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,037.49	25.56
23 21 16 00-0241	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,485.07	39.16
23 21 16 00-0242	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,608.85	42.66
23 21 16 00-0243	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,773.65	49.12
23 21 16 00-0244		Screwed Ends, Bronze Body, Water Pressure Reducing Valves *(23 21 16 00-0199)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0245	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	219.54	15.36
23 21 16 00-0246	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	241.20	17.21
23 21 16 00-0247	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	300.86	19.05
23 21 16 00-0248	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	721.17	20.64
23 21 16 00-0249	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	780.78	24.58
23 21 16 00-0250	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	1,227.24	37.69
23 21 16 00-0251		Dual Unit Reducing And Relief Valve *(23 21 16)*		
23 21 16 00-0252	EA	1/2" Dual Unit Reducing And Relief Valve	247.34	37.50
23 21 16 00-0253		Safety Relief Valve *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0254		Threaded Inlet, Bronze Body Safety Valves *(23 21 16 00-0253)*		
		Note: Variable set points to 150 PSIG pressure, 210 Degree F temperature range.		
23 21 16 00-0255	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	88.81	15.36
23 21 16 00-0256	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	125.22	16.90
23 21 16 00-0257	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	182.76	20.58
23 21 16 00-0258	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	238.71	21.81
23 21 16 00-0259	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	329.11	29.19
23 21 16 00-0260	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	443.85	34.41
23 21 16 00-0261	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	501.31	43.02
23 21 16 00-0262		Threaded, Bronze Body, Temperature And Pressure Relief Valves *(23 21 16)*		
23 21 16 00-0263	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	101.86	31.34
		For Cast Iron Body, Add	*63.31*	
23 21 16 00-0264	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	132.01	37.61
		For Cast Iron Body, Add	*88.20*	
23 21 16 00-0265	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	194.32	50.14
		For Cast Iron Body, Add	*140.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0266	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	326.62	53.71
		For Cast Iron Body, Add	*298.54*	
23 21 16 00-0267	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	555.16	60.22
		For Cast Iron Body, Add	*571.09*	
23 21 16 00-0268	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	638.97	86.58
		For Cast Iron Body, Add	*621.88*	

23 21 16 00-0269 Thermostatic Radiator Valves *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0270	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	98.80	19.84
23 21 16 00-0271	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	119.83	26.73
23 21 16 00-0272	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	160.06	32.36
23 21 16 00-0273	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	249.73	40.99
23 21 16 00-0274	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	98.80	19.84
23 21 16 00-0275	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	119.83	26.73
23 21 16 00-0276	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	160.06	32.36
23 21 16 00-0277	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	249.73	40.99
23 21 16 00-0278	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	101.71	15.36
23 21 16 00-0279	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	171.77	21.52

23 21 16 00-0280 Radiator Trap Repair Kits *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0281	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	156.60	
23 21 16 00-0282	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	195.69	
23 21 16 00-0283	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	198.54	
23 21 16 00-0284	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	225.66	
23 21 16 00-0285	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	534.45	

23 21 16 00-0286 Horizontal Steel Expansion Tanks *(23 21 16)*

Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.

23 21 16 00-0287	EA	10 Gallon Horizontal Steel Expansion Tank	770.28	122.95
23 21 16 00-0288	EA	15 Gallon Horizontal Steel Expansion Tank	1,093.94	153.69
23 21 16 00-0289	EA	30 Gallon Horizontal Steel Expansion Tank	1,437.31	184.42
23 21 16 00-0290	EA	40 Gallon Horizontal Steel Expansion Tank	1,653.87	215.16
23 21 16 00-0291	EA	60 Gallon Horizontal Steel Expansion Tank	1,908.88	217.86

23 21 16 00-0292 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks *(23 21 16)*

Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.

23 21 16 00-0293	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,601.00	92.21
23 21 16 00-0294	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,672.90	107.58
23 21 16 00-0295	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,490.63	122.95
23 21 16 00-0296	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,594.01	138.31
23 21 16 00-0297	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,513.44	153.69
23 21 16 00-0298	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,706.42	169.05
23 21 16 00-0299	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,405.49	184.42
23 21 16 00-0300	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,714.69	199.79
23 21 16 00-0301	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,195.83	215.16
23 21 16 00-0302	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,344.47	245.90
23 21 16 00-0303	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,701.45	276.63
23 21 16 00-0304	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,683.09	307.37
23 21 16 00-0305	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,919.93	368.85

23 21 16 00-0306 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)

(23 21 16)

Note: ASME. Precharged with working pressure 125 psi

23 21 16 00-0307	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,823.78	92.21
23 21 16 00-0308	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,883.57	107.58
23 21 16 00-0309	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,694.04	122.95
23 21 16 00-0310	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,877.32	138.31
23 21 16 00-0311	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,656.30	153.69
23 21 16 00-0312	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,846.86	169.05
23 21 16 00-0313	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,688.81	184.42
23 21 16 00-0314	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,068.23	199.79
23 21 16 00-0315	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,605.07	215.16
23 21 16 00-0316	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,746.44	245.90
23 21 16 00-0317	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,067.10	276.63
23 21 16 00-0318	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,198.87	307.37
23 21 16 00-0319	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,445.39	368.85

23 21 16 00-0320 Diaphragm Type (Residential Style) Steel Expansion Tanks *(23 21 16)*

23 21 16 00-0321	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	107.24	11.32
23 21 16 00-0322	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	153.88	11.32

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CSI	UOM	MINOR DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0323		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0324	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,282.81	368.97
23 21 16 00-0325	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,338.24	368.97
23 21 16 00-0326	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,393.66	368.97
23 21 16 00-0327	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,537.75	368.97
23 21 16 00-0328	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,833.08	491.66
23 21 16 00-0329	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,164.85	491.92
23 21 16 00-0330	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,230.68	491.92
23 21 16 00-0331	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,296.52	491.92
23 21 16 00-0332	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,923.12	614.73
23 21 16 00-0333	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,504.77	614.73
23 21 16 00-0334	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,820.89	737.44
23 21 16 00-0335		**ASME Construction Compression Tanks** *(23 21 16)*		
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0336	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	1,545.93	216.39
		For Galvanized Steel Tanks, Add	*609.04*	
23 21 16 00-0337	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	1,574.12	222.54
		For Galvanized Steel Tanks, Add	*618.01*	
23 21 16 00-0338	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	1,728.48	229.91
		For Galvanized Steel Tanks, Add	*689.66*	
23 21 16 00-0339	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,903.19	238.52
		For Galvanized Steel Tanks, Add	*770.25*	
23 21 16 00-0340	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	2,244.07	252.04
		For Galvanized Steel Tanks, Add	*931.47*	
23 21 16 00-0341	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	2,331.19	261.88
		For Galvanized Steel Tanks, Add	*967.29*	
23 21 16 00-0342	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,921.29	285.24
		For Galvanized Steel Tanks, Add	*1,244.95*	
23 21 16 00-0343	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	3,186.68	306.14
		For Galvanized Steel Tanks, Add	*1,361.36*	
23 21 16 00-0344	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	3,996.69	345.49
		For Galvanized Steel Tanks, Add	*1,736.76*	
23 21 16 00-0345	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	5,113.76	395.89
		For Galvanized Steel Tanks, Add	*2,257.01*	
23 21 16 00-0346	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	6,157.08	438.92
		For Galvanized Steel Tanks, Add	*2,746.25*	
23 21 16 00-0347	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	6,735.20	477.03
		For Galvanized Steel Tanks, Add	*3,005.99*	
23 21 16 00-0348	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	8,578.53	523.75
		For Galvanized Steel Tanks, Add	*3,892.66*	
23 21 16 00-0349	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	8,833.43	559.41
		For Galvanized Steel Tanks, Add	*3,992.76*	
23 21 16 00-0350	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	11,489.26	601.21
		For Galvanized Steel Tanks, Add	*5,289.27*	
23 21 16 00-0351	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	19,397.02	705.71
		For Galvanized Steel Tanks, Add	*9,163.96*	
23 21 16 00-0352		**Compression Tank Air Fittings** *(23 21 16)*		
23 21 16 00-0353	EA	9" To 24" Diameter Compression Tank Air Fittings	279.12	34.42
23 21 16 00-0354	EA	>100 Gallon Compression Tank Air Fittings	923.77	40.58
23 21 16 00-0355		**Vortex Air Separators With Strainer** *(23 21 16)*		
		Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0356	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,032.84	261.88
		For 300 PSIG, Add	*245.43*	
23 21 16 00-0357	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,527.27	300.00
		For 300 PSIG, Add	*310.79*	
23 21 16 00-0358	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,942.57	352.86
		For 300 PSIG, Add	*511.20*	
23 21 16 00-0359	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,216.18	373.65
		For 300 PSIG, Add	*547.51*	
23 21 16 00-0360	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,431.17	498.20
		For 300 PSIG, Add	*701.45*	
23 21 16 00-0361	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,870.79	592.60
		For 300 PSIG, Add	*896.06*	
23 21 16 00-0362	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	8,171.58	671.02
		For 300 PSIG, Add	*1,073.23*	
23 21 16 00-0363	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,850.71	805.01
		For 300 PSIG, Add	*1,594.60*	
23 21 16 00-0364	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	18,445.82	915.03
		For 300 PSIG, Add	*2,558.91*	
23 21 16 00-0365	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	24,913.22	1,184.10
		For 300 PSIG, Add	*3,467.85*	
23 21 16 00-0366	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	52,548.10	1,437.91
		For 300 PSIG, Add	*7,555.42*	
23 21 16 00-0367	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	64,903.90	1,725.49
		For 300 PSIG, Add	*9,343.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0368	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	84,833.27	2,013.08
		For 300 PSIG, Add	*12,267.47*	
23 21 16 00-0369	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	99,292.60	2,300.66
		For 300 PSIG, Add	*14,371.01*	

23 21 16 00-0370 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0371	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,713.34	261.88
		For 300 PSIG, Add	*197.51*	
23 21 16 00-0372	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,178.73	300.00
		For 300 PSIG, Add	*258.51*	
23 21 16 00-0373	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,855.43	352.86
		For 300 PSIG, Add	*498.13*	
23 21 16 00-0374	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,451.32	373.65
		For 300 PSIG, Add	*432.78*	
23 21 16 00-0375	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,627.58	498.20
		For 300 PSIG, Add	*580.91*	
23 21 16 00-0376	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	6,028.47	592.60
		For 300 PSIG, Add	*769.71*	
23 21 16 00-0377	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	7,029.12	671.02
		For 300 PSIG, Add	*901.86*	
23 21 16 00-0378	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,410.89	805.01
		For 300 PSIG, Add	*1,228.63*	
23 21 16 00-0379	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	13,227.31	915.03
		For 300 PSIG, Add	*1,776.13*	
23 21 16 00-0380	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	20,528.55	1,184.10
		For 300 PSIG, Add	*2,810.15*	
23 21 16 00-0381	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	35,317.38	1,437.91
		For 300 PSIG, Add	*4,970.81*	
23 21 16 00-0382	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	44,804.72	1,725.49
		For 300 PSIG, Add	*6,328.55*	
23 21 16 00-0383	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	60,092.75	2,013.08
		For 300 PSIG, Add	*8,556.39*	
23 21 16 00-0384	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	82,468.25	2,300.66
		For 300 PSIG, Add	*11,847.36*	
23 21 16 00-0385	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	101,136.66	2,588.24
		For 300 PSIG, Add	*14,582.26*	
23 21 16 00-0386	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	119,805.07	2,875.82
		For 300 PSIG, Add	*17,317.17*	

23 21 16 00-0387 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0388	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,715.69	298.91
23 21 16 00-0389	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,279.83	398.31
23 21 16 00-0390	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,691.35	473.63
23 21 16 00-0391	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	7,968.17	536.82
23 21 16 00-0392	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,587.33	644.19
23 21 16 00-0393	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	18,923.70	732.03
23 21 16 00-0394	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	28,916.88	947.39

23 21 16 00-0395 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0396	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	2,921.78	298.91
23 21 16 00-0397	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	4,476.24	398.31
23 21 16 00-0398	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	5,849.03	473.63
23 21 16 00-0399	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	6,825.71	536.82
23 21 16 00-0400	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	9,166.87	644.19
23 21 16 00-0401	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	13,627.73	732.03
23 21 16 00-0402	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	22,809.43	947.39

23 21 16 00-0403 Swivel Joints *(23 21 16)*

23 21 16 00-0404 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0403)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0405	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	363.21	32.33
23 21 16 00-0406	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	521.97	47.33
23 21 16 00-0407	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	730.81	55.33
23 21 16 00-0408	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,091.08	94.67
23 21 16 00-0409	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,382.19	107.58
		For Stainless Steel, Add	*1,750.55*	
23 21 16 00-0410	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,020.52	163.89
		For Stainless Steel, Add	*1,223.42*	
23 21 16 00-0411	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,378.37	130.75
23 21 16 00-0412	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,759.92	350.40
23 21 16 00-0413	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	3,254.27	442.61

23 21 16 00-0414 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0403)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0415	EA	1" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	461.39	32.33
		For Stainless Steel, Add	*595.02*	
23 21 16 00-0416	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	568.34	47.33
		For Stainless Steel, Add	*710.64*	
23 21 16 00-0417	EA	2" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	765.21	55.33
		For Stainless Steel, Add	*980.16*	
23 21 16 00-0418	EA	3" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,230.20	94.67
		For Stainless Steel, Add	*1,561.58*	
23 21 16 00-0419	EA	4" Threaded, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,609.41	107.58
		For Stainless Steel, Add	*2,091.38*	
23 21 16 00-0420	EA	2" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,051.96	163.89
		For Stainless Steel, Add	*1,270.58*	
23 21 16 00-0421	EA	3" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,558.46	130.75
		For Stainless Steel, Add	*1,945.31*	
23 21 16 00-0422	EA	4" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	1,967.82	350.40
		For Stainless Steel, Add	*2,293.08*	
23 21 16 00-0423	EA	6" Flanged, Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30)	3,397.84	442.61
		For Stainless Steel, Add	*4,263.89*	

23 21 16 00-0424 Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40) *(23 21 16 00-0403)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0425	EA	1" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	542.41	32.33
		For Stainless Steel, Add	*716.55*	
23 21 16 00-0426	EA	1-1/2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	630.17	47.33
		For Stainless Steel, Add	*803.39*	
23 21 16 00-0427	EA	2" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	920.62	55.33
		For Stainless Steel, Add	*1,213.28*	
23 21 16 00-0428	EA	3" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,417.23	94.67
		For Stainless Steel, Add	*1,842.12*	
23 21 16 00-0429	EA	4" Threaded, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,671.24	107.58
		For Stainless Steel, Add	*2,184.12*	
23 21 16 00-0430	EA	2" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,206.54	163.89
		For Stainless Steel, Add	*1,502.45*	
23 21 16 00-0431	EA	3" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	1,750.12	130.75
		For Stainless Steel, Add	*2,232.80*	
23 21 16 00-0432	EA	4" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	2,165.67	350.40
		For Stainless Steel, Add	*2,589.86*	
23 21 16 00-0433	EA	6" Flanged, Carbon Steel, Single Swivel/Double Elbow Swivel Joint (Dixon Style 40)	3,822.91	442.61
		For Stainless Steel, Add	*4,901.49*	

23 21 16 00-0434 Basket Strainers *(23 21 16)*

23 21 16 00-0435 Bronze Body Basket Strainers *(23 21 16 00-0434)*

23 21 16 00-0436 Screwed Ends, Bronze Body Basket Strainers *(23 21 16 00-0435)*

23 21 16 00-0437	EA	1/2" Screwed Ends, Bronze Body Basket Strainer	339.18	24.59
		For Work In Restricted Working Space, Add	*14.64*	
23 21 16 00-0438	EA	3/4" Screwed Ends, Bronze Body Basket Strainer	400.85	28.90
		For Work In Restricted Working Space, Add	*17.20*	
23 21 16 00-0439	EA	1" Screwed Ends, Bronze Body Basket Strainer	464.98	34.42
		For Work In Restricted Working Space, Add	*20.49*	
23 21 16 00-0440	EA	1-1/4" Screwed Ends, Bronze Body Basket Strainer	579.11	38.11
		For Work In Restricted Working Space, Add	*22.85*	
23 21 16 00-0441	EA	1-1/2" Screwed Ends, Bronze Body Basket Strainer	683.84	43.03
		For Work In Restricted Working Space, Add	*25.79*	
23 21 16 00-0442	EA	2" Screwed Ends, Bronze Body Basket Strainer	1,018.97	49.18
		For Work In Restricted Working Space, Add	*29.54*	
23 21 16 00-0443	EA	2-1/2" Screwed Ends, Bronze Body Basket Strainer	1,441.48	65.78
		For Work In Restricted Working Space, Add	*39.56*	
23 21 16 00-0444	EA	3" Screwed Ends, Bronze Body Basket Strainer	2,028.35	70.08
		For Work In Restricted Working Space, Add	*41.96*	

23 21 16 00-0445 Flanged, Bronze Body Basket Strainers *(23 21 16 00-0435)*

23 21 16 00-0446	EA	2" Flanged, Bronze Body Basket Strainer	1,599.91	163.89
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0447	EA	2-1/2" Flanged, Bronze Body Basket Strainer	2,406.20	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0448	EA	3" Flanged, Bronze Body Basket Strainer	2,728.94	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0449	EA	4" Flanged, Bronze Body Basket Strainer	4,614.62	350.40
		For Work In Restricted Working Space, Add	*131.73*	
23 21 16 00-0450	EA	6" Flanged, Bronze Body Basket Strainer	8,748.10	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0451	EA	8" Flanged, Bronze Body Basket Strainer	15,948.54	501.09
		For Work In Restricted Working Space, Add	*186.74*	

23 21 16 00-0452 Iron Body Basket Strainers *(23 21 16 00-0434)*

23 21 16 00-0453 Screwed Ends, Iron Body Basket Strainers *(23 21 16 00-0452)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0454	EA	1/2" Screwed Ends, Iron Body Basket Strainer	389.55	24.59
		For Work In Restricted Working Space, Add	*14.64*	
23 21 16 00-0455	EA	3/4" Screwed Ends, Iron Body Basket Strainer	438.72	28.90
		For Work In Restricted Working Space, Add	*17.20*	
23 21 16 00-0456	EA	1" Screwed Ends, Iron Body Basket Strainer	518.49	34.42
		For Work In Restricted Working Space, Add	*20.49*	
23 21 16 00-0457	EA	1-1/4" Screwed Ends, Iron Body Basket Strainer	679.51	38.11
		For Work In Restricted Working Space, Add	*22.85*	
23 21 16 00-0458	EA	1-1/2" Screwed Ends, Iron Body Basket Strainer	745.61	43.03
		For Work In Restricted Working Space, Add	*25.79*	
23 21 16 00-0459	EA	2" Screwed Ends, Iron Body Basket Strainer	886.27	49.18
		For Work In Restricted Working Space, Add	*29.54*	
23 21 16 00-0460	EA	2-1/2" Screwed Ends, Iron Body Basket Strainer	1,257.32	65.78
		For Work In Restricted Working Space, Add	*39.56*	
23 21 16 00-0461	EA	3" Screwed Ends, Iron Body Basket Strainer	1,421.62	70.08
		For Work In Restricted Working Space, Add	*41.96*	

23 21 16 00-0462 Flanged, Iron Body Basket Strainers *(23 21 16 00-0452)*

23 21 16 00-0463	EA	2" Flanged, Iron Body Basket Strainer	1,704.71	163.89
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0464	EA	2-1/2" Flanged, Iron Body Basket Strainer	2,245.01	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0465	EA	3" Flanged, Iron Body Basket Strainer	2,413.47	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0466	EA	4" Flanged, Iron Body Basket Strainer	3,677.79	350.40
		For Work In Restricted Working Space, Add	*131.73*	
23 21 16 00-0467	EA	6" Flanged, Iron Body Basket Strainer	6,795.45	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0468	EA	8" Flanged, Iron Body Basket Strainer	12,251.34	501.09
		For Work In Restricted Working Space, Add	*186.74*	
23 21 16 00-0469	EA	10" Flanged, Iron Body Basket Strainer	18,260.16	610.02
		For Work In Restricted Working Space, Add	*228.76*	
23 21 16 00-0470	EA	12" Flanged, Iron Body Basket Strainer	22,296.04	769.07
		For Work In Restricted Working Space, Add	*461.39*	
23 21 16 00-0471	EA	14" Flanged, Iron Body Basket Strainer	27,281.45	871.46
		For Work In Restricted Working Space, Add	*326.80*	
23 21 16 00-0472	EA	16" Flanged, Iron Body Basket Strainer	28,585.87	958.61
		For Work In Restricted Working Space, Add	*359.48*	

23 21 16 00-0473 Cast Steel Body Basket Strainers *(23 21 16 00-0434)*

23 21 16 00-0474 Screwed Ends, Cast Steel Body Basket Strainers *(23 21 16 00-0473)*

23 21 16 00-0475	EA	1" Screwed Ends, Cast Steel Body Basket Strainer	1,122.86	34.42
		For Work In Restricted Working Space, Add	*20.49*	
23 21 16 00-0476	EA	1-1/4" Screwed Ends, Cast Steel Body Basket Strainer	1,483.72	38.11
		For Work In Restricted Working Space, Add	*22.85*	
23 21 16 00-0477	EA	1-1/2" Screwed Ends, Cast Steel Body Basket Strainer	1,672.26	43.03
		For Work In Restricted Working Space, Add	*25.79*	
23 21 16 00-0478	EA	2" Screwed Ends, Cast Steel Body Basket Strainer	2,355.02	49.18
		For Work In Restricted Working Space, Add	*29.54*	
23 21 16 00-0479	EA	2-1/2" Screwed Ends, Cast Steel Body Basket Strainer	3,304.46	65.78
		For Work In Restricted Working Space, Add	*39.56*	
23 21 16 00-0480	EA	3" Screwed Ends, Cast Steel Body Basket Strainer	4,295.56	70.08
		For Work In Restricted Working Space, Add	*41.97*	

23 21 16 00-0481 Flanged, Cast Steel Body Basket Strainers *(23 21 16 00-0473)*

23 21 16 00-0482	EA	2" Flanged, Cast Steel Body Basket Strainer	3,489.22	163.89
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0483	EA	2-1/2" Flanged, Cast Steel Body Basket Strainer	5,027.12	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0484	EA	3" Flanged, Cast Steel Body Basket Strainer	5,512.02	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0485	EA	4" Flanged, Cast Steel Body Basket Strainer	7,812.04	350.40
		For Work In Restricted Working Space, Add	*131.73*	
23 21 16 00-0486	EA	6" Flanged, Cast Steel Body Basket Strainer	13,785.59	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0487	EA	8" Flanged, Cast Steel Body Basket Strainer	22,406.16	501.09
		For Work In Restricted Working Space, Add	*186.74*	

23 21 16 00-0488 Stainless Steel Body Basket Strainers *(23 21 16 00-0434)*

23 21 16 00-0489 Screwed Ends, Stainless Steel Body Basket Strainers *(23 21 16 00-0488)*

23 21 16 00-0490	EA	1" Screwed Ends, Stainless Steel Body Basket Strainer	586.11	34.42
		For Work In Restricted Working Space, Add	*20.49*	
23 21 16 00-0491	EA	1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer	842.61	38.11
		For Work In Restricted Working Space, Add	*22.85*	
23 21 16 00-0492	EA	1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	870.35	43.03
		For Work In Restricted Working Space, Add	*25.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0493	EA	2" Screwed Ends, Stainless Steel Body Basket Strainer	1,285.29	49.18
		For Work In Restricted Working Space, Add	*29.54*	
23 21 16 00-0494	EA	2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer	1,815.99	65.78
		For Work In Restricted Working Space, Add	*39.56*	
23 21 16 00-0495	EA	3" Screwed Ends, Stainless Steel Body Basket Strainer	2,562.28	70.08
		For Work In Restricted Working Space, Add	*41.97*	

23 21 16 00-0496 Flanged, Stainless Steel Body Basket Strainers *(23 21 16 00-0488)*

23 21 16 00-0497	EA	2" Flanged, Stainless Steel Body Basket Strainer	1,971.07	163.89
		For Work In Restricted Working Space, Add	*61.47*	
23 21 16 00-0498	EA	2-1/2" Flanged, Stainless Steel Body Basket Strainer	2,974.03	178.28
		For Work In Restricted Working Space, Add	*67.06*	
23 21 16 00-0499	EA	3" Flanged, Stainless Steel Body Basket Strainer	3,368.39	209.01
		For Work In Restricted Working Space, Add	*78.48*	
23 21 16 00-0500	EA	4" Flanged, Stainless Steel Body Basket Strainer	5,694.00	350.40
		For Work In Restricted Working Space, Add	*131.73*	
23 21 16 00-0501	EA	6" Flanged, Stainless Steel Body Basket Strainer	8,694.72	392.16
		For Work In Restricted Working Space, Add	*147.59*	
23 21 16 00-0502	EA	8" Flanged, Stainless Steel Body Basket Strainer	15,079.85	501.09
		For Work In Restricted Working Space, Add	*186.74*	

23 21 23 Hydronic Pumps *(23 21)*

23 21 23 13 In-Line Centrifugal Hydronic Pumps *(23 21 23)*

23 21 23 13-0001 Cast Iron Single Stage In-Line Centrifugal Pump *(23 21 23 13)*

Note: For general service, 125 Lb. flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.

23 21 23 13-0002	EA	3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	6,733.63	328.36
		For Cast Steel Case, Add	*1,034.83*	
		For Mechanical Seal, Add	*459.92*	
23 21 23 13-0003	EA	5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump	7,354.97	397.42
		For Cast Steel Case, Add	*1,109.36*	
		For Mechanical Seal, Add	*493.05*	
23 21 23 13-0004	EA	7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	8,502.11	472.16
		For Cast Steel Case, Add	*1,275.62*	
		For Mechanical Seal, Add	*566.94*	
23 21 23 13-0005	EA	10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump	9,528.89	629.54
		For Cast Steel Case, Add	*1,375.52*	
		For Mechanical Seal, Add	*611.34*	
23 21 23 13-0006	EA	15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump	10,921.79	686.15
		For Cast Steel Case, Add	*1,595.36*	
		For Mechanical Seal, Add	*709.05*	
23 21 23 13-0007	EA	30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	16,310.69	755.22
		For Cast Steel Case, Add	*2,528.31*	
		For Mechanical Seal, Add	*1,123.69*	
23 21 23 13-0008	EA	40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	19,169.85	943.18
		For Cast Steel Case, Add	*2,941.05*	
		For Mechanical Seal, Add	*1,307.13*	
23 21 23 13-0009	EA	50 HP, 300 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump	26,653.51	1,077.91
		For Cast Steel Case, Add	*4,215.32*	
		For Mechanical Seal, Add	*1,873.48*	
23 21 23 13-0010	EA	75 HP, 400 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	33,886.72	1,129.63
		For Cast Steel Case, Add	*5,489.59*	
		For Mechanical Seal, Add	*2,439.82*	
23 21 23 13-0011	EA	100 HP, 600 GPM At 400' Head, Single Stage Cast Iron In-Line Circulating Pump	37,014.61	1,452.07
		For Cast Steel Case, Add	*5,878.32*	
		For Mechanical Seal, Add	*2,612.58*	

23 21 23 13-0012 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump *(23 21 23 13)*

Note: For general service, 125 Lb. flanged, 1,800 RPM TEFC motor.

23 21 23 13-0013	EA	1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	2,311.86	188.53
23 21 23 13-0014	EA	3/4 HP, 2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,083.02	215.47
23 21 23 13-0015	EA	1 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,437.79	241.29
23 21 23 13-0016	EA	1-1/2 HP, 3" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	4,667.12	262.34
23 21 23 13-0017	EA	2 HP, 4" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,099.86	287.26
23 21 23 13-0018	EA	3 HP, 5" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	6,273.80	317.49
23 21 23 13-0019	EA	5 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	7,173.05	377.04
23 21 23 13-0020	EA	7-1/2 HP, 6" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	8,348.80	464.12
23 21 23 13-0021	EA	10 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	10,737.08	502.72
23 21 23 13-0022	EA	15 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	12,543.98	532.28
23 21 23 13-0023	EA	20 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,107.60	565.57
23 21 23 13-0024	EA	25 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	16,995.51	584.48
23 21 23 13-0025	EA	30 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	17,883.43	603.27
23 21 23 13-0026	EA	40 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	21,227.21	646.41
23 21 23 13-0027	EA	50 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	22,941.23	737.34
23 21 23 13-0028	EA	60 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	25,366.19	1,064.98
23 21 23 13-0029	EA	75 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	30,005.17	2,129.97
23 21 23 13-0030	EA	100 HP, 8" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump	34,498.83	2,555.95

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

23 21 23 16-0002	EA	5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/4 BC, BF, 184T)		6,679.03	358.93
23 21 23 16-0003	EA	7.5 HP, 100 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 213T)		7,493.89	359.38
23 21 23 16-0004	EA	10 HP, 225 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 215T)		9,881.94	472.16
23 21 23 16-0005	EA	15 HP, 250 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 2 E, BF, 254T)		10,823.73	580.85
23 21 23 16-0006	EA	15 HP, 300 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 G, BF, 254T)		12,121.13	580.85
23 21 23 16-0007	EA	20 HP, 350 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 3 E, BF, 256T)		11,785.23	629.54
23 21 23 16-0008	EA	20 HP, 500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 256T)		12,522.85	629.54
23 21 23 16-0009	EA	25 HP, 600 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 4 E, BF, 284T)		13,682.43	660.11
23 21 23 16-0010	EA	30 HP, 750 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 286T)		15,224.81	839.02
23 21 23 16-0011	EA	40 HP, 1,050 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 5 E, BF, 324T)		16,107.86	943.18
23 21 23 16-0012	EA	60 HP, 1,500 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 6 E, BF, 364T)		24,668.42	2,239.10
23 21 23 16-0013	EA	75 HP, 2,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 365T)		35,781.20	2,686.44
23 21 23 16-0014	EA	100 HP, 3,000 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 8 G, BF, 404TS)		40,569.74	3,358.05

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0016	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		6,865.24	263.81
		For 300 Lb. Flanges, Add		*1,597.38*	
23 21 23 16-0017	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		8,758.25	283.07
		For 300 Lb. Flanges, Add		*2,083.41*	
23 21 23 16-0018	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		10,980.07	302.32
		For 300 Lb. Flanges, Add		*2,619.21*	
23 21 23 16-0019	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		12,803.25	358.93
		For 300 Lb. Flanges, Add		*3,039.06*	
23 21 23 16-0020	EA	7-1/2 HP, 150 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		13,456.03	359.38
		For 300 Lb. Flanges, Add		*3,194.17*	
23 21 23 16-0021	EA	10 HP, 200 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		14,053.95	472.16
		For 300 Lb. Flanges, Add		*3,301.19*	
23 21 23 16-0022	EA	10 HP, 225 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		14,368.88	472.16
		For 300 Lb. Flanges, Add		*3,379.92*	
23 21 23 16-0023	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		15,066.47	472.16
		For 300 Lb. Flanges, Add		*3,554.32*	
23 21 23 16-0024	EA	15 HP, 300 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		17,486.00	580.85
		For 300 Lb. Flanges, Add		*4,110.21*	
23 21 23 16-0025	EA	17-1/2 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		17,755.30	580.40
		For 300 Lb. Flanges, Add		*4,167.00*	
23 21 23 16-0026	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		18,716.96	629.54
		For 300 Lb. Flanges, Add		*4,396.17*	
23 21 23 16-0027	EA	25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		20,539.90	660.11
		For 300 Lb. Flanges, Add		*4,829.29*	
23 21 23 16-0028	EA	30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		22,690.25	839.02
		For 300 Lb. Flanges, Add		*5,295.14*	
23 21 23 16-0029	EA	40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		25,740.98	943.18
		For 300 Lb. Flanges, Add		*6,010.64*	
23 21 23 16-0030	EA	60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		39,935.86	2,239.10
		For 300 Lb. Flanges, Add		*8,904.59*	
23 21 23 16-0031	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		47,493.48	2,686.44
		For 300 Lb. Flanges, Add		*10,578.12*	
23 21 23 16-0032	EA	100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case		57,908.63	3,358.05
		For 300 Lb. Flanges, Add		*12,858.10*	

23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 125 Lb. flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

23 21 23 16-0034	EA	1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		6,582.30	263.81
		For 300 Lb. Flanges, Add		*1,526.64*	
23 21 23 16-0035	EA	2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		6,756.45	283.07
		For 300 Lb. Flanges, Add		*1,561.72*	
23 21 23 16-0036	EA	3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		6,930.75	302.32
		For 300 Lb. Flanges, Add		*1,596.82*	
23 21 23 16-0037	EA	5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		7,529.49	309.11
		For 300 Lb. Flanges, Add		*1,743.16*	
23 21 23 16-0038	EA	7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		12,291.44	358.93
		For 300 Lb. Flanges, Add		*2,911.11*	
23 21 23 16-0039	EA	10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		14,891.52	472.16
		For 300 Lb. Flanges, Add		*3,539.31*	
23 21 23 16-0040	EA	15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		16,744.20	509.52
		For 300 Lb. Flanges, Add		*3,973.75*	
23 21 23 16-0041	EA	20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case		17,703.09	566.13
		For 300 Lb. Flanges, Add		*4,164.48*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0042	EA	25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	19,719.75	565.36
		For 300 Lb. Flanges, Add	*4,675.76*	
23 21 23 16-0043	EA	40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	22,088.23	726.58
		For 300 Lb. Flanges, Add	*5,195.26*	
23 21 23 16-0044	EA	50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	28,031.84	895.88
		For 300 Lb. Flanges, Add	*6,576.21*	
23 21 23 16-0045	EA	75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	35,782.07	1,118.95
		For 300 Lb. Flanges, Add	*8,405.83*	
23 21 23 16-0046	EA	3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP	45,010.65	1,343.23
		For 300 Lb. Flanges, Add	*10,605.04*	
23 21 23 16-0047	EA	150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	53,361.23	1,491.93
		For 300 Lb. Flanges, Add	*12,620.72*	
23 21 23 16-0048	EA	200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case	61,377.58	1,918.89
		For 300 Lb. Flanges, Add	*14,419.22*	

23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump *(23 21 23 16)*

Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.

23 21 23 16-0050	EA	40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	41,868.54	580.85
		For 300 Lb. Flanges, Add	*10,205.84*	
23 21 23 16-0051	EA	50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	45,198.35	629.54
		For 300 Lb. Flanges, Add	*11,016.52*	
23 21 23 16-0052	EA	75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	60,322.32	843.21
		For 300 Lb. Flanges, Add	*14,694.48*	
23 21 23 16-0053	EA	100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	70,416.90	1,158.64
		For 300 Lb. Flanges, Add	*17,073.34*	
23 21 23 16-0054	EA	200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case	97,710.78	1,544.86
		For 300 Lb. Flanges, Add	*23,719.85*	

23 21 23 16-0055 Cast Iron Close Coupling Pumps *(23 21 23 16)*

23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps *(23 21 23 16-0055)*

23 21 23 16-0057	EA	3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	5,978.31	339.68
23 21 23 16-0058	EA	3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,508.93	339.68
23 21 23 16-0059	EA	5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,239.03	358.56
23 21 23 16-0060	EA	5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,708.42	358.56
23 21 23 16-0061	EA	7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,861.26	377.04
23 21 23 16-0062	EA	10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,501.74	453.89
23 21 23 16-0063	EA	15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,788.55	559.15
23 21 23 16-0064	EA	20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,760.40	605.19
23 21 23 16-0065	EA	25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	17,098.07	653.59

23 21 23 16-0066 Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt *(23 21 23 16)*

23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body	1,505.41	175.45
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body	1,605.96	186.02
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body	1,872.50	198.07

23 21 23 23 Vertical-Turbine Hydronic Pumps *(23 21 23)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 23-0001 Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps *(23 21 23 23)*

Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.

23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage	13,353.64	839.02
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*483.82*	
		For Each Extra Column Assembly <60", Add	*1,118.61*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*350.29*	
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage	15,425.31	943.18
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*566.28*	
		For Each Extra Column Assembly <60", Add	*1,284.75*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*412.03*	
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage	18,539.73	895.88
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*677.34*	
		For Each Extra Column Assembly <60", Add	*1,547.43*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*491.94*	
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage	21,899.71	1,033.80
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*809.57*	
		For Each Extra Column Assembly <60", Add	*1,818.40*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*590.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage	27,014.65	1,118.95
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,008.63*	
		For Each Extra Column Assembly <60", Add	*2,233.13*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*738.48*	
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage	35,557.00	1,343.23
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,335.93*	
		For Each Extra Column Assembly <60", Add	*2,930.91*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*980.36*	
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage	42,539.93	1,679.02
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*1,593.66*	
		For Each Extra Column Assembly <60", Add	*3,511.13*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,168.26*	
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage	68,326.67	1,918.89
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*2,609.71*	
		For Each Extra Column Assembly <60", Add	*5,589.49*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*1,926.44*	
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage	89,663.27	2,239.10
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*3,442.61*	
		For Each Extra Column Assembly <60", Add	*7,316.98*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*2,545.98*	
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage	125,636.35	2,686.44
		For Basket Strainer, Galvanized. Steel Pipe Sizes 3" To 8", Add	*4,852.75*	
		For Each Extra Column Assembly <60", Add	*10,223.61*	
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	*3,596.39*	

23 21 29 Automatic Condensate Pump Units *(23 21)*

23 21 29 00-0001 Automatic Shallow Pan Condensate Pump *(23 21 29)*

23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS)	241.70	36.80
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS)	262.73	36.80
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS)	412.42	42.46

23 21 29 00-0005 Automatic Condensate Pump With Tank *(23 21 29)*

23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL)	131.06	28.31
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20)	140.04	28.31
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS)	234.82	36.80
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS)	253.02	42.46
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) Condensate Pump	472.67	48.12

23 22 Steam and Condensate Piping and Pumps *(23 20)*

23 22 16 Steam and Condensate Heating Piping Specialties *(23 22)*

23 22 16 00-0001 High Temperature Safety Relief Valve *(23 22 16)*

Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.

23 22 16 00-0002 Cast Iron Body Safety Valve, Steam Or Water *(23 22 16 00-0001)*

Note: Variable set points to 500 PSIG pressure, 400 Degree F temperature range.

23 22 16 00-0003 Threaded *(23 22 16 00-0002)*

23 22 16 00-0004	EA	3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	525.58	18.44
23 22 16 00-0005	EA	1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	550.12	21.81
23 22 16 00-0006	EA	1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	606.94	27.65
23 22 16 00-0007	EA	1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	748.51	30.73
23 22 16 00-0008	EA	2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	958.24	37.79
23 22 16 00-0009	EA	2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,486.39	43.02
23 22 16 00-0010	EA	3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water	1,610.87	49.47

23 22 16 00-0011 Flanged *(23 22 16 00-0002)*

23 22 16 00-0012	EA	1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	3,699.33	129.04
23 22 16 00-0013	EA	2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,306.92	193.98
23 22 16 00-0014	EA	2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	4,758.19	178.62
23 22 16 00-0015	EA	2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	5,779.42	257.98
23 22 16 00-0016	EA	3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	6,168.16	192.39
23 22 16 00-0017	EA	3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	7,247.16	257.98
23 22 16 00-0018	EA	4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	12,127.79	366.10
23 22 16 00-0019	EA	6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water	24,122.83	408.87

23 22 16 00-0020 Bronze Body Safety Valve, Threaded, Steam *(23 22 16 00-0001)*

Note: Variable set points to 250 PSIG pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 PSIG pressure.

23 22 16 00-0021	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam	571.88	16.90
23 22 16 00-0022	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam	585.79	18.44
23 22 16 00-0023	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Steam	685.65	20.28
23 22 16 00-0024	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	757.15	21.81
23 22 16 00-0025	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam	876.05	24.58
23 22 16 00-0026	EA	1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	880.39	27.65
23 22 16 00-0027	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam	990.25	29.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0028	EA	1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,079.18	30.73
23 22 16 00-0029	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Steam	1,498.58	34.41
23 22 16 00-0030	EA	2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,637.77	37.79
23 22 16 00-0031	EA	2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam	1,954.22	43.02
23 22 16 00-0032		Bronze Body Safety Valve, Threaded, Water *(23 22 16 00-0001)*		
		Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.		
23 22 16 00-0033	EA	3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water	268.85	16.90
23 22 16 00-0034	EA	3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water	306.41	18.44
23 22 16 00-0035	EA	1" x 1" Threaded Bronze Body Safety Relief Valve, Water	424.63	20.28
23 22 16 00-0036	EA	1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	467.55	21.81
23 22 16 00-0037	EA	1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water	676.56	24.58
23 22 16 00-0038	EA	1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water	912.79	29.19
23 22 16 00-0039	EA	2" x 2" Threaded Bronze Body Safety Relief Valve, Water	1,331.75	34.41
23 22 16 00-0040		Steam Temperature Regulator, Iron Body *(23 22 16)*		
23 22 16 00-0041		Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
		Note: Up to 150 PSI.		
23 22 16 00-0042	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,411.00	17.69
23 22 16 00-0043	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,484.64	23.84
23 22 16 00-0044	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	1,970.26	29.37
23 22 16 00-0045	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,175.55	37.12
23 22 16 00-0046	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,232.31	42.64
23 22 16 00-0047	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,637.80	46.40
23 22 16 00-0048	EA	2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,357.94	84.99
23 22 16 00-0049	EA	3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,499.29	92.69
23 22 16 00-0050	EA	4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	8,006.99	216.95
23 22 16 00-0051	EA	6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,387.32	254.63
23 22 16 00-0052		Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
23 22 16 00-0053	EA	1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,091.78	17.69
23 22 16 00-0054	EA	3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,166.46	23.84
23 22 16 00-0055	EA	1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,263.03	29.37
23 22 16 00-0056	EA	1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,708.97	37.12
23 22 16 00-0057	EA	1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,902.11	42.64
23 22 16 00-0058	EA	2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,295.54	46.40
23 22 16 00-0059	EA	2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	5,050.48	84.99
23 22 16 00-0060	EA	3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,635.36	92.69
23 22 16 00-0061	EA	4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,511.14	216.95
23 22 16 00-0062	EA	6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	17,041.11	254.63
23 22 16 00-0063		Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
23 22 16 00-0064	EA	1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,850.83	17.69
23 22 16 00-0065	EA	3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	2,892.39	23.84
23 22 16 00-0066	EA	1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,165.45	29.37
23 22 16 00-0067	EA	1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,446.96	37.12
23 22 16 00-0068	EA	1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,571.91	42.64
23 22 16 00-0069	EA	2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,029.53	46.40
23 22 16 00-0070	EA	2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,456.92	84.99
23 22 16 00-0071	EA	3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	10,836.66	92.69
23 22 16 00-0072	EA	4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	13,645.55	216.95
23 22 16 00-0073	EA	6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,171.56	254.63
23 22 16 00-0074		Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body *(23 22 16 00-0040)*		
23 22 16 00-0075	EA	1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,652.97	17.69
23 22 16 00-0076	EA	3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	3,690.54	23.84
23 22 16 00-0077	EA	1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,007.70	29.37
23 22 16 00-0078	EA	1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,176.88	37.12
23 22 16 00-0079	EA	1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,337.95	42.64
23 22 16 00-0080	EA	2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	4,723.38	46.40
23 22 16 00-0081	EA	2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	7,857.99	84.99
23 22 16 00-0082	EA	3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	11,394.38	92.69
23 22 16 00-0083	EA	4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	14,203.27	216.95
23 22 16 00-0084	EA	6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body	19,729.29	254.63
23 22 16 00-0085		Steam Traps *(23 22 16)*		
23 22 16 00-0086		Inverted Bucket Steam Traps *(23 22 16 00-0085)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0087	EA	1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	345.02	36.88
		For Work In Restricted Working Space, Add	*22.13*	
23 22 16 00-0088	EA	3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	348.09	38.42
		For Work In Restricted Working Space, Add	*23.05*	
23 22 16 00-0089	EA	1" 250 PSI Inverted Bucket Cast Iron Steam Trap	518.61	40.94
		For Work In Restricted Working Space, Add	*24.59*	
23 22 16 00-0090	EA	1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap	839.50	55.88
		For Work In Restricted Working Space, Add	*33.53*	
23 22 16 00-0091	EA	1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,250.70	68.85
		For Work In Restricted Working Space, Add	*40.98*	
23 22 16 00-0092	EA	2" 250 PSI Inverted Bucket Cast Iron Steam Trap	1,595.06	102.46
		For Work In Restricted Working Space, Add	*61.48*	

23 22 16 00-0093 Float And Thermostatic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0094	EA	3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	364.73	38.42
		For Work In Restricted Working Space, Add	*23.05*	
23 22 16 00-0095	EA	1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	481.11	40.98
		For Work In Restricted Working Space, Add	*24.59*	
23 22 16 00-0096	EA	1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	594.72	55.88
		For Work In Restricted Working Space, Add	*33.53*	
23 22 16 00-0097	EA	1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	871.62	68.30
		For Work In Restricted Working Space, Add	*40.98*	
23 22 16 00-0098	EA	2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,472.92	102.42
		For Work In Restricted Working Space, Add	*61.47*	
23 22 16 00-0099	EA	3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	464.96	38.42
		For Work In Restricted Working Space, Add	*23.05*	
23 22 16 00-0100	EA	1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	505.37	40.94
		For Work In Restricted Working Space, Add	*24.59*	
23 22 16 00-0101	EA	1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	660.86	55.88
		For Work In Restricted Working Space, Add	*33.53*	
23 22 16 00-0102	EA	1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,031.70	68.24
		For Work In Restricted Working Space, Add	*40.98*	
23 22 16 00-0103	EA	2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,620.67	102.45
		For Work In Restricted Working Space, Add	*61.47*	
23 22 16 00-0104	EA	3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	603.89	38.42
		For Work In Restricted Working Space, Add	*23.05*	
23 22 16 00-0105	EA	1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	672.97	40.98
		For Work In Restricted Working Space, Add	*24.59*	
23 22 16 00-0106	EA	1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,024.74	55.88
		For Work In Restricted Working Space, Add	*33.53*	
23 22 16 00-0107	EA	1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	1,232.18	68.24
		For Work In Restricted Working Space, Add	*40.98*	
23 22 16 00-0108	EA	2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,037.45	102.46
		For Work In Restricted Working Space, Add	*61.47*	
23 22 16 00-0109	EA	3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	612.71	38.42
		For Work In Restricted Working Space, Add	*23.05*	
23 22 16 00-0110	EA	1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	672.97	40.98
		For Work In Restricted Working Space, Add	*24.59*	
23 22 16 00-0111	EA	1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,024.74	55.88
		For Work In Restricted Working Space, Add	*33.53*	
23 22 16 00-0112	EA	1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap	1,232.18	68.24
		For Work In Restricted Working Space, Add	*40.98*	
23 22 16 00-0113	EA	2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap	2,037.45	102.45
		For Work In Restricted Working Space, Add	*61.47*	

23 22 16 00-0114 Thermostatic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0115	EA	1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap	176.08	36.88
		For Work In Restricted Working Space, Add	*22.13*	
23 22 16 00-0116	EA	3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap	295.14	38.42
		For Work In Restricted Working Space, Add	*23.05*	
23 22 16 00-0117	EA	1" 25 PSI Maximum Pressure Thermostatic Steam Trap	364.74	40.94
		For Work In Restricted Working Space, Add	*24.59*	

23 22 16 00-0118 Thermodynamic Steam Traps *(23 22 16 00-0085)*

23 22 16 00-0119	EA	3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap	390.44	33.20
23 22 16 00-0120	EA	1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap	554.52	36.88
23 22 16 00-0121	EA	3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap	687.68	38.42
23 22 16 00-0122	EA	1" 600 PSI Maximum Pressure Thermodynamic Steam Trap	922.15	40.94

23 22 16 00-0123 Steam Moisture Separator *(23 22 16 00-0085)*

23 22 16 00-0124	EA	1/2" Steam Moisture Separator, Threaded (Spirax Sarco S1)	804.01	61.47
23 22 16 00-0125	EA	3/4" Steam Moisture Separator, Threaded (Spirax Sarco S1)	852.03	82.99
23 22 16 00-0126	EA	1" Steam Moisture Separator, Threaded (Spirax Sarco S1)	1,026.07	93.44
23 22 16 00-0127	EA	1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2)	1,623.74	106.96
23 22 16 00-0128	EA	2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	1,988.12	163.89
23 22 16 00-0129	EA	2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3)	2,994.93	178.28
23 22 16 00-0130	EA	3" Steam Moisture Separator, Flanged (Spirax Sarco S3)	3,422.94	209.01
23 22 16 00-0131	EA	4" Steam Moisture Separator, Flanged (Spirax Sarco S3)	4,726.76	350.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0132	EA	6" Steam Moisture Separator, Flanged (Spirax Sarco S3)	9,238.05	442.61
23 22 16 00-0133		**Steam/Condensate Meter** *(23 22 16)*		
		Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.		
23 22 16 00-0134	EA	1" Steam/Condensate Meter	12,872.71	101.85
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0135	EA	2" Steam/Condensate Meter	14,516.71	119.68
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0136	EA	2-1/2" Steam/Condensate Meter	15,365.32	148.53
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0137	EA	3" Steam/Condensate Meter	16,237.70	195.22
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0138	EA	4" Steam/Condensate Meter	18,181.67	303.29
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0139	EA	6" Steam/Condensate Meter	31,341.12	383.65
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0140	EA	8" Steam/Condensate Meter	32,330.93	484.36
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0141	EA	10" Steam/Condensate Meter	33,692.09	594.14
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0142	EA	12" Steam/Condensate Meter	35,167.04	721.45
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0143	EA	14" Steam/Condensate Meter	37,317.08	848.76
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 16 00-0144	EA	16" Steam/Condensate Meter	38,555.43	933.64
		For Direct Reading Pressure Gauge, Add	*79.82*	
		For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	*905.00*	
		For Contactor Used For Dial Counter, Add	*567.00*	
		For Steam Meter Pressure-Compensated Counter, Add	*1,220.00*	
		For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	*64.52*	
23 22 23		**Steam Condensate Pumps** *(23 22)*		
23 22 23 13		**Electric-Driven Steam Condensate Pumps** *(23 22 23)*		
23 22 23 13-0001		Simplex Condensate Pumps And Motors *(23 22 23 13)*		
		Note: Cast iron receiver, float switch.		
23 22 23 13-0002		20 PSI Discharge Pressure *(23 22 23 13-0001)*		
23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,093.61	576.33
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,665.41	592.18
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	2,789.60	631.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,062.70	638.60
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,419.16	695.21
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,973.15	695.21
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	5,061.56	742.77
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,153.01	776.73
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,220.02	810.71
23 22 23 13-0012		**30 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	2,395.53	615.95
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,093.24	631.81
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,214.77	673.70
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	3,709.57	728.05
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,061.56	743.90
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,202.40	769.94
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,363.41	810.71
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,209.18	862.79
23 22 23 13-0021		**40 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	2,673.36	706.53
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,352.54	763.15
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	3,912.12	754.09
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,177.72	769.94
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,290.38	802.78
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,220.02	810.71
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,314.09	862.79
23 22 23 13-0029		**50 PSI Discharge Pressure** *(23 22 23 13-0001)*		
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,943.71	765.41
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	3,618.39	781.27
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	4,139.58	786.93
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,383.21	855.99
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	8,421.52	922.80
23 22 23 13-0035		**Duplex Condensate Pumps And Motors** *(23 22 23 13)* Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036		**20 PSI Discharge Pressure** *(23 22 23 13-0035)*		
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,424.50	773.34
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,633.90	849.20
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	3,958.83	855.99
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	4,419.82	932.99
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,097.24	932.99
23 22 23 13-0042	EA	45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	6,223.11	1,005.46
23 22 23 13-0043	EA	60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,347.61	1,049.62
23 22 23 13-0044	EA	75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure	7,534.25	1,101.70

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0045		30 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0046	EA	9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,408.71	833.35
23 22 23 13-0047	EA	15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	4,622.74	910.34
23 22 23 13-0048	EA	22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	5,113.05	887.70
23 22 23 13-0049	EA	30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,223.11	1,005.46
23 22 23 13-0050	EA	45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	6,401.93	1,042.81
23 22 23 13-0051	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,287.39	1,101.70
23 22 23 13-0052	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure	7,653.14	1,180.96
23 22 23 13-0053		40 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0054	EA	9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	4,797.98	982.81
23 22 23 13-0055	EA	22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	5,289.39	1,026.97
23 22 23 13-0056	EA	30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,416.74	1,042.81
23 22 23 13-0057	EA	45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	6,604.62	1,094.90
23 22 23 13-0058	EA	60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,535.48	1,101.70
23 22 23 13-0059	EA	75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure	7,682.76	1,180.96
23 22 23 13-0060		50 PSI Discharge Pressure *(23 22 23 13-0035)*		
23 22 23 13-0061	EA	9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,002.88	982.81
23 22 23 13-0062	EA	22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	5,403.21	1,080.18
23 22 23 13-0063	EA	30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	6,753.12	1,173.03
23 22 23 13-0064	EA	60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure	11,609.17	1,270.40

23 23 Refrigerant Piping *(23 20)*

23 23 13 Refrigerant Piping Valves *(23 23)*

23 23 13 00-0001		Ball Valves *(23 23 13)*		
23 23 13 00-0002		Refrigeration Ball Valves, Sweat, 1400 Series *(23 23 13 00-0001)*		
23 23 13 00-0003	EA	3/8" Refrigeration Ball Valve, Sweated	50.06	12.29
23 23 13 00-0004	EA	1/2" Refrigeration Ball Valve, Sweated	52.04	12.29
23 23 13 00-0005	EA	5/8" Refrigeration Ball Valve, Sweated	70.15	12.29
23 23 13 00-0006	EA	7/8" Refrigeration Ball Valve, Sweated	93.91	13.52
23 23 13 00-0007	EA	1-1/8" Refrigeration Ball Valve, Sweated	131.81	15.36
23 23 13 00-0008	EA	1-5/8" Refrigeration Ball Valve, Sweated	214.95	18.92
23 23 13 00-0009		Shut-Off Valves *(23 23 13)*		
23 23 13 00-0010		Packless *(23 23 13 00-0009)*		
23 23 13 00-0011	EA	1/2" Refrigeration Valve, Packless	67.33	12.79
23 23 13 00-0012	EA	5/8" Refrigeration Valve, Packless	84.28	14.02
23 23 13 00-0013	EA	7/8" Refrigeration Valve, Packless	173.27	19.18
23 23 13 00-0014		Packed *(23 23 13 00-0009)*		
23 23 13 00-0015	EA	1-1/8" Refrigeration Valve, Packed	308.14	27.91
23 23 13 00-0016	EA	1 3/8" Refrigeration Valve, Packed	412.13	34.18
23 23 13 00-0017	EA	1-5/8" Refrigeration Valve, Packed	502.19	38.48
23 23 13 00-0018	EA	2-1/8" Refrigeration Valve, Packed	718.09	43.89
23 23 13 00-0019	EA	2-5/8" Refrigeration Valve, Packed	1,188.99	122.95
23 23 13 00-0020	EA	3-1/8" Refrigeration Valve, Packed	1,560.60	153.69
23 23 13 00-0021	EA	4-1/8" Refrigeration Valve, Packed	2,219.88	204.96
23 23 13 00-0022		Check Valves *(23 23 13)*		
23 23 13 00-0023	EA	5/8" Check Valve, Refrigeration	84.93	12.29
23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	269.86	13.52
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	312.92	15.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	421.54	16.35
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	555.30	18.93
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	824.08	22.37
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,153.36	32.82
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,526.47	43.03
23 23 13 00-0031		Solenoid Valves *(23 23 13)*		
23 23 13 00-0032		Solenoid Valve, 24 Volt Coil *(23 23 13 00-0031)*		
23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	230.24	12.29
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	235.77	12.29
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	291.48	13.52
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	291.48	13.52
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	408.15	15.36
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	655.27	16.35
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,206.55	18.93
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,223.74	22.37
23 23 16		**Refrigerant Piping Specialties** *(23 23)*		
23 23 16 00-0001		Soft Refrigeration Copper Tubing *(23 23 16)* Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0375 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	5.14	2.93
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	5.39	3.00
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	5.63	3.08
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	6.03	3.13
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	6.22	3.18
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	6.99	3.34
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	7.70	3.38
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	8.43	3.50
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	10.87	4.11
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	13.82	4.71
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	20.00	5.57
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	24.12	6.23
23 23 16 00-0014		Type L Drawn, ACR Copper Tubing *(23 23 16)* Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0375 for flexible elastomeric insulation (insulation on suction line only).		
23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	6.88	3.44
		For Medical Applications "Oxygen Clean", Add	*0.61*	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	7.73	3.44
		For Medical Applications "Oxygen Clean", Add	*0.65*	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.28	3.44
		For Medical Applications "Oxygen Clean", Add	*0.68*	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	11.95	5.17
		For Medical Applications "Oxygen Clean", Add	*0.98*	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	13.06	5.53
		For Medical Applications "Oxygen Clean", Add	*1.07*	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.20	5.53
		For Medical Applications "Oxygen Clean", Add	*1.18*	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	18.92	6.39
		For Medical Applications "Oxygen Clean", Add	*1.43*	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	22.91	7.38
		For Medical Applications "Oxygen Clean", Add	*1.70*	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	32.43	9.22
		For Medical Applications "Oxygen Clean", Add	*2.31*	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	48.65	13.89
		For Medical Applications "Oxygen Clean", Add	*3.48*	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	62.93	17.22
		For Medical Applications "Oxygen Clean", Add	*4.44*	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	79.20	20.40
		For Medical Applications "Oxygen Clean", Add	*5.49*	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	97.90	24.59
		For Medical Applications "Oxygen Clean", Add	*6.74*	
23 23 16 00-0028		Refrigeration Fittings *(23 23 16)*		
23 23 16 00-0029		Brass Flare Fittings *(23 23 16 00-0028)*		
23 23 16 00-0030		Brass Flare Unions *(23 23 16 00-0029)*		
23 23 16 00-0031	EA	3/8" Brass Flare Union	31.51	13.28
23 23 16 00-0032	EA	1/2" Brass Flare Union	31.51	13.28
23 23 16 00-0033	EA	5/8" Brass Flare Union	34.51	13.28
23 23 16 00-0034		90 Degree Elbow Brass Flare Unions *(23 23 16 00-0029)*		
23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	33.33	13.28
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	33.33	13.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	43.39	13.28
23 23 16 00-0038		**Brass Flare Tees** *(23 23 16 00-0029)*		
23 23 16 00-0039	EA	3/8" Brass Flare Tee	50.35	22.12
23 23 16 00-0040	EA	1/2" Brass Flare Tee	54.84	22.12
23 23 16 00-0041	EA	5/8" Brass Flare Tee	79.26	22.12
23 23 16 00-0042		**Male Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0043	EA	3/8" Brass Flare Male Connector, Half Union	23.25	13.28
23 23 16 00-0044	EA	1/2" Brass Flare Male Connector, Half Union	26.26	13.28
23 23 16 00-0045	EA	5/8" Brass Flare Male Connector, Half Union	30.54	13.28
23 23 16 00-0046		**Female Connector, Half Brass Flare Unions** *(23 23 16 00-0029)*		
23 23 16 00-0047	EA	3/8" Brass Flare Female Connector, Half Union	27.12	13.28
23 23 16 00-0048	EA	1/2" Brass Flare Female Connector, Half Union	31.19	13.28
23 23 16 00-0049	EA	5/8" Brass Flare Female Connector, Half Union	31.19	13.28
23 23 16 00-0050		**Long Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0051	EA	3/8" Brass Long Forged Nut	25.08	13.28
23 23 16 00-0052	EA	1/2" Brass Long Forged Nut	26.26	13.28
23 23 16 00-0053	EA	5/8" Brass Long Forged Nut	39.32	13.28
23 23 16 00-0054		**Short Forged Nuts** *(23 23 16 00-0029)*		
23 23 16 00-0055	EA	3/8" Brass Short Forged Nut	23.38	13.28
23 23 16 00-0056	EA	1/2" Brass Short Forged Nut	26.09	13.28
23 23 16 00-0057	EA	5/8" Brass Short Forged Nut	26.65	13.28
23 23 16 00-0058		**ACR Wrought Copper Fittings** *(23 23 16 00-0028)* Note: Soldered.		
23 23 16 00-0059		**ACR Wrought Copper Coupling** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0060	EA	1/4" ACR Wrought Copper Coupling	22.56	13.28
23 23 16 00-0061	EA	3/8" ACR Wrought Copper Coupling	22.08	13.28
23 23 16 00-0062	EA	1/2" ACR Wrought Copper Coupling	22.79	13.28
23 23 16 00-0063	EA	5/8" ACR Wrought Copper Coupling	23.31	13.89
23 23 16 00-0064	EA	3/4" ACR Wrought Copper Coupling	33.99	18.31
23 23 16 00-0065	EA	7/8" ACR Wrought Copper Coupling	33.08	18.81
23 23 16 00-0066	EA	1-1/8" ACR Wrought Copper Coupling	44.79	23.36
23 23 16 00-0067	EA	1-3/8" ACR Wrought Copper Coupling	65.16	31.97
23 23 16 00-0068	EA	1-5/8" ACR Wrought Copper Coupling	79.03	37.50
23 23 16 00-0069	EA	2-1/8" ACR Wrought Copper Coupling	106.14	45.49
23 23 16 00-0070	EA	2-5/8" ACR Wrought Copper Coupling	189.11	69.10
23 23 16 00-0071	EA	3-1/8" ACR Wrought Copper Coupling	252.82	90.86
23 23 16 00-0072	EA	4-1/8" ACR Wrought Copper Coupling	426.88	107.95
23 23 16 00-0073		**ACR Wrought Copper Short Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0074	EA	1/4" ACR Wrought Copper Short Radius 90 Degree Elbow	29.01	13.28
23 23 16 00-0075	EA	3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	29.49	13.28
23 23 16 00-0076	EA	1/2" ACR Wrought Copper Short Radius 90 Degree Elbow	29.01	13.28
23 23 16 00-0077	EA	5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	31.68	13.89
23 23 16 00-0078	EA	3/4" ACR Wrought Copper Short Radius 90 Degree Elbow	47.15	18.31
23 23 16 00-0079	EA	7/8" ACR Wrought Copper Short Radius 90 Degree Elbow	47.68	18.81
23 23 16 00-0080	EA	1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	61.08	23.36
23 23 16 00-0081	EA	1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow	74.55	31.97
23 23 16 00-0082	EA	1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	97.76	37.50
23 23 16 00-0083	EA	2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	143.74	45.49
23 23 16 00-0084	EA	2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow	254.85	69.10
23 23 16 00-0085	EA	3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	326.35	90.86
23 23 16 00-0086	EA	4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow	648.38	107.95
23 23 16 00-0087		**ACR Wrought Copper Long Radius 90 Degree Elbows** *(23 23 16 00-0058)* Note: C x C		
23 23 16 00-0088	EA	1/4" ACR Wrought Copper Long Radius 90 Degree Elbow	37.06	13.28
23 23 16 00-0089	EA	3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	32.80	13.28
23 23 16 00-0090	EA	1/2" ACR Wrought Copper Long Radius 90 Degree Elbow	36.18	13.28
23 23 16 00-0091	EA	5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	35.57	13.89
23 23 16 00-0092	EA	3/4" ACR Wrought Copper Long Radius 90 Degree Elbow	42.41	18.31
23 23 16 00-0093	EA	7/8" ACR Wrought Copper Long Radius 90 Degree Elbow	47.17	18.81
23 23 16 00-0094	EA	1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	65.55	23.36
23 23 16 00-0095	EA	1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow	97.54	31.97
23 23 16 00-0096	EA	1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	122.86	37.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0097	EA	2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	243.31	45.49
23 23 16 00-0098	EA	2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow	380.88	69.10
23 23 16 00-0099	EA	3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	503.46	90.86
23 23 16 00-0100	EA	4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow	1,145.49	107.95
23 23 16 00-0101		**ACR Wrought Copper 45 Degree Elbow** *(23 23 16 00-0058)*		
		Note: C x C		
23 23 16 00-0102	EA	1/4" ACR Wrought Copper 45 Degree Elbow	42.93	13.28
23 23 16 00-0103	EA	3/8" ACR Wrought Copper 45 Degree Elbow	37.07	13.28
23 23 16 00-0104	EA	1/2" ACR Wrought Copper 45 Degree Elbow	34.57	13.28
23 23 16 00-0105	EA	5/8" ACR Wrought Copper 45 Degree Elbow	26.81	13.89
23 23 16 00-0106	EA	3/4" ACR Wrought Copper 45 Degree Elbow	53.39	18.31
23 23 16 00-0107	EA	7/8" ACR Wrought Copper 45 Degree Elbow	38.54	18.81
23 23 16 00-0108	EA	1-1/8" ACR Wrought Copper 45 Degree Elbow	61.02	23.36
23 23 16 00-0109	EA	1-3/8" ACR Wrought Copper 45 Degree Elbow	82.82	31.97
23 23 16 00-0110	EA	1-5/8" ACR Wrought Copper 45 Degree Elbow	98.29	37.50
23 23 16 00-0111	EA	2-1/8" ACR Wrought Copper 45 Degree Elbow	138.28	45.49
23 23 16 00-0112	EA	2-5/8" ACR Wrought Copper 45 Degree Elbow	253.02	69.10
23 23 16 00-0113	EA	3-1/8" ACR Wrought Copper 45 Degree Elbow	344.81	90.86
23 23 16 00-0114	EA	4-1/8" ACR Wrought Copper45 Degree Elbow	606.17	107.95
23 23 16 00-0115		**ACR Wrought Copper Tee** *(23 23 16 00-0058)*		
		Note: C x C x C		
23 23 16 00-0116	EA	1/4" ACR Wrought Copper Tee	51.50	22.12
23 23 16 00-0117	EA	3/8" ACR Wrought Copper Tee	52.53	22.12
23 23 16 00-0118	EA	1/2" ACR Wrought Copper Tee	48.71	22.12
23 23 16 00-0119	EA	5/8" ACR Wrought Copper Tee	47.25	27.91
23 23 16 00-0120	EA	3/4" ACR Wrought Copper Tee	77.23	27.91
23 23 16 00-0121	EA	7/8" ACR Wrought Copper Tee	55.69	28.27
23 23 16 00-0122	EA	1-1/8" ACR Wrought Copper Tee	97.37	37.50
23 23 16 00-0123	EA	1-3/8" ACR Wrought Copper Tee	123.72	45.49
23 23 16 00-0124	EA	1-5/8" ACR Wrought Copper Tee	166.60	53.98
23 23 16 00-0125	EA	2-1/8" ACR Wrought Copper Tee	241.51	71.92
23 23 16 00-0126	EA	2-5/8" ACR Wrought Copper Tee	505.01	157.00
23 23 16 00-0127	EA	3-1/8" ACR Wrought Copper Tee	645.77	172.62
23 23 16 00-0128	EA	4-1/8" ACR Wrought Copper Tee	1,224.04	191.80
23 23 16 00-0129		**ACR Wrought Copper Male Adapter** *(23 23 16 00-0058)*		
		Note: C x M		
23 23 16 00-0130	EA	1/4" ACR Wrought Copper Male Adapter	48.75	13.28
23 23 16 00-0131	EA	3/8" ACR Wrought Copper Male Adapter	58.11	13.28
23 23 16 00-0132	EA	1/2" ACR Wrought Copper Male Adapter	42.55	13.28
23 23 16 00-0133		**ACR Wrought Copper Female Adapter** *(23 23 16 00-0058)*		
		Note: C x F		
23 23 16 00-0134	EA	1/4" ACR Wrought Copper Female Adapter	45.07	13.28
23 23 16 00-0135	EA	3/8" ACR Wrought Copper Female Adapter	39.70	13.28
23 23 16 00-0136	EA	1/2" ACR Wrought Copper Female Adapter	41.73	13.28
23 23 16 00-0137		**ACR Wrought Copper Cap** *(23 23 16 00-0058)*		
		Note: C		
23 23 16 00-0138	EA	1/4" ACR Wrought Copper Cap	17.73	8.85
23 23 16 00-0139	EA	3/8" ACR Wrought Copper Cap	16.03	8.85
23 23 16 00-0140	EA	1/2" ACR Wrought Copper Cap	17.69	8.85
23 23 16 00-0141		**ACR Wrought Copper P-Trap** *(23 23 16 00-0058)*		
23 23 16 00-0142	EA	5/8" ACR Wrought Copper P-Trap	139.27	11.32
23 23 16 00-0143	EA	3/4" ACR Wrought Copper P-Trap	194.30	12.45
23 23 16 00-0144	EA	7/8" ACR Wrought Copper P-Trap	162.21	12.45
23 23 16 00-0145	EA	1-1/8" ACR Wrought Copper P-Trap	227.48	13.59
23 23 16 00-0146	EA	1-3/8" ACR Wrought Copper P-Trap	399.12	13.59
23 23 16 00-0147	EA	1-5/8" ACR Wrought Copper P-Trap	575.50	14.72
23 23 16 00-0148	EA	2-1/8" ACR Wrought Copper P-Trap	1,082.35	15.85
23 23 16 00-0149		**Sight Glass With Moisture And Liquid Indicator, Solder Connection** *(23 23 16)*		
23 23 16 00-0150	EA	1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	62.59	16.99
23 23 16 00-0151	EA	3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	75.98	20.38
23 23 16 00-0152	EA	1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	91.79	24.91
23 23 16 00-0153	EA	5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	100.89	28.31
23 23 16 00-0154	EA	7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	136.16	36.23
23 23 16 00-0155	EA	1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	157.41	44.16
23 23 16 00-0156	EA	1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	243.45	52.09
23 23 16 00-0157	EA	1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	299.98	71.33
23 23 16 00-0158	EA	2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection	368.22	88.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0159		**Filter Driers, Solder Connections** *(23 23 16)*		
23 23 16 00-0160		**Replaceable Core Type Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0161	EA	5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	563.64	10.19
23 23 16 00-0162	EA	7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	566.83	12.45
23 23 16 00-0163	EA	1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	724.11	12.45
23 23 16 00-0164	EA	1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	721.31	13.59
23 23 16 00-0165	EA	1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	803.53	14.72
23 23 16 00-0166	EA	2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	904.29	15.85
23 23 16 00-0167	EA	2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,056.59	16.99
23 23 16 00-0168	EA	3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections	1,319.08	16.99
23 23 16 00-0169		**Sealed In-Line Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0170	EA	1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections	91.35	10.19
23 23 16 00-0171	EA	3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections	116.72	10.19
23 23 16 00-0172	EA	1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections	148.97	11.32
23 23 16 00-0173	EA	1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections	172.44	11.32
23 23 16 00-0174	EA	5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections	189.66	11.32
23 23 16 00-0175	EA	5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections	218.89	11.32
23 23 16 00-0176	EA	7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	246.36	12.45
23 23 16 00-0177	EA	7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections	362.23	12.45
23 23 16 00-0178	EA	1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections	394.31	12.45
23 23 16 00-0179		**Bi-Flow Filter Driers, Solder Connections** *(23 23 16 00-0159)*		
23 23 16 00-0180	EA	1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	127.63	10.19
23 23 16 00-0181	EA	3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	142.54	10.19
23 23 16 00-0182	EA	1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections	170.10	11.32
23 23 16 00-0183	EA	3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	152.78	10.19
23 23 16 00-0184	EA	1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	191.22	11.32
23 23 16 00-0185	EA	5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections	222.52	11.32
23 23 16 00-0186		**Refrigerant Compressor Discharge Mufflers** *(23 23 16)*		
23 23 16 00-0187	EA	3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler	115.37	10.19
23 23 16 00-0188	EA	1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler	127.39	10.19
23 23 16 00-0189	EA	5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler	153.54	10.19
23 23 16 00-0190	EA	7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler	205.86	12.45
23 23 16 00-0191	EA	1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler	268.64	12.45
23 23 16 00-0192	EA	1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler	319.22	13.59
23 23 16 00-0193	EA	1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler	404.49	14.72
23 23 16 00-0194	EA	2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler	744.01	15.85
23 23 16 00-0195	EA	2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler	831.83	16.99
23 23 16 00-0196	EA	3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler	1,029.51	16.99
23 23 16 00-0197		**Expansion Valves And Vibration Absorbers** *(23 23 16)*		
23 23 16 00-0198		**Thermostatic Expansion Valves** *(23 23 16 00-0197)*		
		Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA	3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve	246.22	10.19
23 23 16 00-0200	EA	1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve	342.87	11.32
23 23 16 00-0201	EA	5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve	583.37	11.32
23 23 16 00-0202	EA	7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve	691.54	12.45
23 23 16 00-0203	EA	7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve	748.15	12.45
23 23 16 00-0204		**Electric Expansion Valves** *(23 23 16 00-0197)*		
		Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA	1/2 To 11 Ton Electric Expansion Valve	605.94	14.15
		Note: Sporlan SEI.		
23 23 16 00-0206	EA	25 Ton Electric Expansion Valve	701.94	14.72
		Note: Sporlan SEI.		
23 23 16 00-0207	EA	50 Ton Electric Expansion Valve	798.49	15.28
		Note: Sporlan SEI.		
23 23 16 00-0208	EA	100 Ton Electric Expansion Valve	937.77	15.28
		Note: Sporlan SEH.		
23 23 16 00-0209	EA	175 Ton Electric Expansion Valve	1,056.15	15.85
		Note: Sporlan SEH.		
23 23 16 00-0210		**Braided Stainless Steel Over Copper Vibration Absorber** *(23 23 16 00-0197)*		
23 23 16 00-0211	EA	1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	65.33	14.72
23 23 16 00-0212	EA	3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	65.79	16.99
23 23 16 00-0213	EA	1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	85.27	21.51
23 23 16 00-0214	EA	5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	91.91	26.04
23 23 16 00-0215	EA	3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	108.26	31.70
23 23 16 00-0216	EA	7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	125.28	36.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0217	EA	1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	177.94	13.59
23 23 16 00-0218	EA	1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	250.75	14.72
23 23 16 00-0219	EA	1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	313.85	14.72
23 23 16 00-0220	EA	2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	429.45	15.85
23 23 16 00-0221	EA	2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	732.09	16.99
23 23 16 00-0222	EA	3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber	959.41	16.99
23 23 16 00-0223		Accumulator, Refrigerant Suction Line *(23 23 16)*		
23 23 16 00-0224	EA	3/4" Accumulator, Refrigeration Suction Line	208.05	51.52
23 23 16 00-0225	EA	7/8" Accumulator, Refrigeration Suction Line	281.93	70.76
23 23 16 00-0226	EA	1-1/8" Accumulator, Refrigeration Suction Line	335.65	94.32
23 23 16 00-0227	EA	1 3/8" Accumulator, Refrigeration Suction Line	474.04	113.23
23 23 16 00-0228	EA	1-5/8" Accumulator, Refrigeration Suction Line	654.13	141.54
23 23 16 00-0229	EA	2-1/8" Accumulator, Refrigeration Suction Line	996.22	188.75
23 23 16 00-0230		Special Chemicals/Component *(23 23 16)*		
23 23 16 00-0231	GAL	Special Chemical, Inhibited Propylene Glycol, 100%	31.85	
23 23 16 00-0232	GAL	Removal And Storage For Reuse Of Inhibited Propylene Glycol	8.78	
23 23 16 00-0233	GAL	Special Chemical, Inhibited Ethylene Glycol, 100%	21.91	
23 23 16 00-0234	EA	Internal Coil/Refrigerant Piping Flush Note: Up to 10 ton AC system.	357.79	
23 23 23		**Refrigerants** *(23 23)*		
23 23 23 00-0001		Refrigerant *(23 23 23)*		
23 23 23 00-0002	LB	R-123 Refrigerant	39.57	
23 23 23 00-0003	LB	R-134A Refrigerant	14.10	
23 23 23 00-0004	LB	R-404A Refrigerant	16.78	
23 23 23 00-0005	LB	R-407C Refrigerant	15.09	
23 23 23 00-0006	LB	R-408A Refrigerant	34.39	
23 23 23 00-0007	LB	R-410A Refrigerant	14.78	
23 23 23 00-0008	LB	R-500 Refrigerant	48.35	
23 23 23 00-0009	LB	R-507 Refrigerant	9.41	
23 23 23 00-0010	LB	R-32 Refrigerant	19.72	
23 23 23 00-0011	LB	R-452A Refrigerant	22.06	
23 23 23 00-0012	LB	R-453A Refrigerant	25.67	
23 23 23 00-0013	LB	R-454A Refrigerant	35.10	
23 23 23 00-0014	LB	R-454B Refrigerant	28.14	
23 25		**HVAC Water Treatment** *(23 20)*		
23 25 13		**Water Treatment for Closed-Loop Hydronic Systems** *(23 25)*		
23 25 13 00-0001		Polyethylene Chemical Storage Tanks *(23 25 13)*		
23 25 13 00-0002	EA	15 Gallon Chemical Storage Tank, Polyethylene	465.49	94.54
23 25 13 00-0003		Gas Chlorinator *(23 25 13)*		
23 25 13 00-0004	EA	Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,210.46	430.15
		For Booster Pump, Add	*479.12*	
23 25 13 00-0005	EA	Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,382.98	491.60
		For Booster Pump, Add	*547.68*	
23 25 13 00-0006	EA	Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit	1,890.40	372.39
		For Booster Pump, Add	*666.88*	
23 25 13 00-0007		Bypass Shot Feeders *(23 25 13)* Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.		
23 25 13 00-0008		In Line Mount, 125 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0009	EA	1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG	1,116.78	320.43
23 25 13 00-0010		Floor Mount, 175 PSIG *(23 25 13 00-0007)*		
23 25 13 00-0011	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	1,644.98	482.34
23 25 13 00-0012	EA	12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG	2,169.60	638.60
23 25 13 00-0013		Floor Mount, 150 Lb. ASME Code *(23 25 13 00-0007)*		
23 25 13 00-0014	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	1,644.98	482.34
23 25 13 00-0015	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 Lb. ASME Code	2,169.60	638.60
23 25 13 00-0016		Floor Mount, 300 Lb. ASME Code *(23 25 13 00-0007)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 25 13 00-0017	EA	5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,029.69	482.34
23 25 13 00-0018	EA	10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 Lb. ASME Code	2,569.07	638.60

23 30 HVAC Air Distribution *(23)*

23 31 HVAC Ducts and Casings *(23 30)*

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0423 for angle iron, 23 05 29 00-0001 for threaded rod.

23 31 13 Metal Ducts *(23 31)*

23 31 13 13 Rectangular Metal Ducts *(23 31 13)*

23 31 13 13-0001 Steel Sheet Metal Duct *(23 31 13 13)*

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant *(23 31 13 13-0001)*

Note: SMACNA weight for galvanized steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.906 Lbs./SF; 24 gauge - 1.156 Lbs./SF; 22 gauge - 1.406 Lbs./SF; 20 gauge - 1.656 Lbs./SF; 18 gauge - 2.156 Lbs./SF; 16 gauge - 2.656 Lbs./SF

23 31 13 13-0003	LB	Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	12.58	3.28
		For Polyvinyl Chloride (PVC) Coated, Add	*0.50*	
		For Up To 200, Add	*4.52*	
		For >200 To 500, Add	*2.89*	
		For >500 To 1,000, Add	*1.94*	
		For >1,000 To 2,000, Add	*1.08*	
		For >2,000 To 5,000, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.02*	
		For Elevated Installation >10' To 15', Add	*0.60*	
		For Elevated Installation >15' To 20', Add	*1.21*	
		For Elevated Installation >20' To 25', Add	*1.51*	
		For Elevated Installation >25' To 30', Add	*2.12*	
		For Elevated Installation >30' To 35', Add	*2.42*	
		For Elevated Installation >35' To 40', Add	*3.02*	
		For Elevated Installation >40', Add	*3.33*	
23 31 13 13-0004	LB	Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	14.34	3.28
		For Polyvinyl Chloride (PVC) Coated, Add	*0.55*	
		For Up To 200, Add	*5.13*	
		For >200 To 500, Add	*3.27*	
		For >500 To 1,000, Add	*2.20*	
		For >1,000 To 2,000, Add	*1.23*	
		For >2,000 To 5,000, Add	*0.55*	
		For Work In Restricted Working Space, Add	*3.48*	
		For Elevated Installation >10' To 15', Add	*0.70*	
		For Elevated Installation >15' To 20', Add	*1.39*	
		For Elevated Installation >20' To 25', Add	*1.74*	
		For Elevated Installation >25' To 30', Add	*2.43*	
		For Elevated Installation >30' To 35', Add	*2.78*	
		For Elevated Installation >35' To 40', Add	*3.48*	
		For Elevated Installation >40', Add	*3.82*	
23 31 13 13-0005	LB	Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork	17.09	3.28
		For Polyvinyl Chloride (PVC) Coated, Add	*0.60*	
		For Up To 200, Add	*6.02*	
		For >200 To 500, Add	*3.82*	
		For >500 To 1,000, Add	*2.60*	
		For >1,000 To 2,000, Add	*1.46*	
		For >2,000 To 5,000, Add	*0.65*	
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15', Add	*0.85*	
		For Elevated Installation >15' To 20', Add	*1.69*	
		For Elevated Installation >20' To 25', Add	*2.12*	
		For Elevated Installation >25' To 30', Add	*2.96*	
		For Elevated Installation >30' To 35', Add	*3.38*	
		For Elevated Installation >35' To 40', Add	*4.23*	
		For Elevated Installation >40', Add	*4.65*	

23 31 13 13-0006 Alloy 3003-H14, Aluminum Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for aluminum ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.224 Lbs./SF; 24 gauge - 0.282 Lbs./SF; 22 gauge - 0.352 Lbs./SF; 20 gauge - 0.451 Lbs./SF; 18 gauge - 0.563 Lbs./SF; 16 gauge - 0.718 Lbs./SF; 14 gauge – 0.901 Lbs./SF; 12 gauge – 0.141 Lbs./SF

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0007	LB	Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	24.52	3.28
		For Work In Restricted Working Space, Add	*5.97*	
		For Up To 200, Add	*8.74*	
		For >200 To 500, Add	*5.57*	
		For >500 To 1,000, Add	*3.76*	
		For >1,000 To 2,000, Add	*2.10*	
		For >2,000 To 5,000, Add	*0.93*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.39*	
		For Elevated Installation >20' To 25', Add	*2.99*	
		For Elevated Installation >25' To 30', Add	*4.18*	
		For Elevated Installation >30' To 35', Add	*4.78*	
		For Elevated Installation >35' To 40', Add	*5.97*	
		For Elevated Installation >40', Add	*6.57*	
23 31 13 13-0008	LB	Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	27.76	3.28
		For Work In Restricted Working Space, Add	*6.87*	
		For Up To 200, Add	*9.79*	
		For >200 To 500, Add	*6.21*	
		For >500 To 1,000, Add	*4.23*	
		For >1,000 To 2,000, Add	*2.37*	
		For >2,000 To 5,000, Add	*1.06*	
		For Elevated Installation >10' To 15', Add	*1.37*	
		For Elevated Installation >15' To 20', Add	*2.75*	
		For Elevated Installation >20' To 25', Add	*3.44*	
		For Elevated Installation >25' To 30', Add	*4.81*	
		For Elevated Installation >30' To 35', Add	*5.50*	
		For Elevated Installation >35' To 40', Add	*6.87*	
		For Elevated Installation >40', Add	*7.56*	
23 31 13 13-0009	LB	Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork	32.98	3.28
		For Work In Restricted Working Space, Add	*8.36*	
		For Up To 200, Add	*11.43*	
		For >200 To 500, Add	*7.21*	
		For >500 To 1,000, Add	*4.97*	
		For >1,000 To 2,000, Add	*2.79*	
		For >2,000 To 5,000, Add	*1.27*	
		For Elevated Installation >10' To 15', Add	*1.67*	
		For Elevated Installation >15' To 20', Add	*3.34*	
		For Elevated Installation >20' To 25', Add	*4.18*	
		For Elevated Installation >25' To 30', Add	*5.85*	
		For Elevated Installation >30' To 35', Add	*6.69*	
		For Elevated Installation >35' To 40', Add	*8.36*	
		For Elevated Installation >40', Add	*9.20*	

23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork *(23 31 13 13-0001)*

Note: SMACNA weight for stainless steel ductwork Lbs./SF (surface areas) by gauge: 26 gauge - 0.748 Lbs./SF; 24 gauge - 0.987 Lbs./SF; 22 gauge – 1.231 Lbs./SF; 20 gauge - 1.491 Lbs./SF; 18 gauge - 2.016 Lbs./SF; 16 gauge - 2.499 Lbs./SF; 14 gauge – 3.154 Lbs./SF; Lbs./SF; gauge – 4.427 Lbs./SF

23 31 13 13-0011	LB	Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork	18.44	4.36
		For Work In Restricted Working Space, Add	*3.67*	
		For Welded Seams, Add	*6.43*	
		For Up To 200, Add	*7.39*	
		For >200 To 500, Add	*4.87*	
		For >500 To 1,000, Add	*3.02*	
		For >1,000 To 2,000, Add	*1.66*	
		For >2,000 To 5,000, Add	*0.68*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.47*	
		For Elevated Installation >20' To 25', Add	*1.84*	
		For Elevated Installation >25' To 30', Add	*2.57*	
		For Elevated Installation >30' To 35', Add	*2.94*	
		For Elevated Installation >35' To 40', Add	*3.67*	
		For Elevated Installation >40', Add	*4.04*	
23 31 13 13-0012	LB	Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork	21.21	4.36
		For Work In Restricted Working Space, Add	*4.43*	
		For Welded Seams, Add	*7.70*	
		For Up To 200, Add	*8.30*	
		For >200 To 500, Add	*5.43*	
		For >500 To 1,000, Add	*3.42*	
		For >1,000 To 2,000, Add	*1.89*	
		For >2,000 To 5,000, Add	*0.78*	
		For Elevated Installation >10' To 15', Add	*0.89*	
		For Elevated Installation >15' To 20', Add	*1.77*	
		For Elevated Installation >20' To 25', Add	*2.21*	
		For Elevated Installation >25' To 30', Add	*3.10*	
		For Elevated Installation >30' To 35', Add	*3.54*	
		For Elevated Installation >35' To 40', Add	*4.43*	
		For Elevated Installation >40', Add	*4.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0013	LB	Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork	23.82	4.36
		For Work In Restricted Working Space, Add	*5.14*	
		For Welded Seams, Add	*8.90*	
		For Up To 200, Add	*9.16*	
		For >200 To 500, Add	*5.96*	
		For >500 To 1,000, Add	*3.80*	
		For >1,000 To 2,000, Add	*2.11*	
		For >2,000 To 5,000, Add	*0.89*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.57*	
		For Elevated Installation >25' To 30', Add	*3.60*	
		For Elevated Installation >30' To 35', Add	*4.11*	
		For Elevated Installation >35' To 40', Add	*5.14*	
		For Elevated Installation >40', Add	*5.65*	

23 31 13 13-0014 Galvanized Steel Sheet Metal Ductwork By LF *(23 31 13 13-0001)*

Note: Ductwork includes collars, straps, support straps, etc. Shop fabricated ductwork is designed and fabricated in shop with machines, delivered to site and installed. For fittings add the following equivalent lengths: 0.75' for duct end cap; 1.5' for tap-in; 2.5' for 45-degree elbows; 3' for 90-degree elbows, transition, taper, register box; 4' for 45-degree reducing elbow, offset, turning vanes installed in elbows; 5' for 90-degree reducing elbow, 135-degree angle gooseneck, boots; and 6' for transition/reducer.

23 31 13 13-0015 30 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0016	LF	4" x 4", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	13.37	6.72
		For Seal Class B, Add	*1.68*	
		For Seal Class A, Add	*3.59*	
		For Work In Restricted Working Space, Add	*3.37*	
23 31 13 13-0017	LF	4" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	16.69	8.41
		For Seal Class B, Add	*2.10*	
		For Seal Class A, Add	*4.49*	
		For Work In Restricted Working Space, Add	*4.21*	
23 31 13 13-0018	LF	4" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.04	10.10
		For Seal Class B, Add	*2.52*	
		For Seal Class A, Add	*5.38*	
		For Work In Restricted Working Space, Add	*5.05*	
23 31 13 13-0019	LF	4" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.37	11.77
		For Seal Class B, Add	*2.94*	
		For Seal Class A, Add	*6.28*	
		For Work In Restricted Working Space, Add	*5.89*	
23 31 13 13-0020	LF	4" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.73	13.46
		For Seal Class B, Add	*3.36*	
		For Seal Class A, Add	*7.18*	
		For Work In Restricted Working Space, Add	*6.73*	
23 31 13 13-0021	LF	4" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.05	15.15
		For Seal Class B, Add	*3.78*	
		For Seal Class A, Add	*8.07*	
		For Work In Restricted Working Space, Add	*7.57*	
23 31 13 13-0022	LF	4" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.39	16.82
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.97*	
		For Work In Restricted Working Space, Add	*8.41*	
23 31 13 13-0023	LF	6" x 6", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	20.04	10.10
		For Seal Class B, Add	*2.52*	
		For Seal Class A, Add	*5.38*	
		For Work In Restricted Working Space, Add	*5.05*	
23 31 13 13-0024	LF	6" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.37	11.77
		For Seal Class B, Add	*2.94*	
		For Seal Class A, Add	*6.28*	
		For Work In Restricted Working Space, Add	*5.89*	
23 31 13 13-0025	LF	6" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.73	13.46
		For Seal Class B, Add	*3.36*	
		For Seal Class A, Add	*7.18*	
		For Work In Restricted Working Space, Add	*6.73*	
23 31 13 13-0026	LF	6" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.05	15.15
		For Seal Class B, Add	*3.78*	
		For Seal Class A, Add	*8.07*	
		For Work In Restricted Working Space, Add	*7.57*	
23 31 13 13-0027	LF	6" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.39	16.82
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.97*	
		For Work In Restricted Working Space, Add	*8.41*	
23 31 13 13-0028	LF	6" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.74	18.51
		For Seal Class B, Add	*4.63*	
		For Seal Class A, Add	*9.87*	
		For Work In Restricted Working Space, Add	*9.25*	
23 31 13 13-0029	LF	8" x 8", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	26.73	13.46
		For Seal Class B, Add	*3.36*	
		For Seal Class A, Add	*7.18*	
		For Work In Restricted Working Space, Add	*6.73*	
23 31 13 13-0030	LF	8" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	30.05	15.15
		For Seal Class B, Add	*3.78*	
		For Seal Class A, Add	*8.07*	
		For Work In Restricted Working Space, Add	*7.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0031	LF	8" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.39	16.82
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.97*	
		For Work In Restricted Working Space, Add	*8.41*	
23 31 13 13-0032	LF	8" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.74	18.51
		For Seal Class B, Add	*4.63*	
		For Seal Class A, Add	*9.87*	
		For Work In Restricted Working Space, Add	*9.25*	
23 31 13 13-0033	LF	8" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.06	20.18
		For Seal Class B, Add	*5.05*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0034	LF	8" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.42	21.87
		For Seal Class B, Add	*5.47*	
		For Seal Class A, Add	*11.66*	
		For Work In Restricted Working Space, Add	*10.94*	
23 31 13 13-0035	LF	8" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.74	23.56
		For Seal Class B, Add	*5.89*	
		For Seal Class A, Add	*12.56*	
		For Work In Restricted Working Space, Add	*11.78*	
23 31 13 13-0036	LF	8" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.09	25.23
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0037	LF	8" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.42	26.92
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.46*	
23 31 13 13-0038	LF	10" x 10", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.39	16.82
		For Seal Class B, Add	*4.21*	
		For Seal Class A, Add	*8.97*	
		For Work In Restricted Working Space, Add	*8.41*	
23 31 13 13-0039	LF	10" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.74	18.51
		For Seal Class B, Add	*4.63*	
		For Seal Class A, Add	*9.87*	
		For Work In Restricted Working Space, Add	*9.25*	
23 31 13 13-0040	LF	10" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.06	20.18
		For Seal Class B, Add	*5.05*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0041	LF	10" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.42	21.87
		For Seal Class B, Add	*5.47*	
		For Seal Class A, Add	*11.66*	
		For Work In Restricted Working Space, Add	*10.94*	
23 31 13 13-0042	LF	10" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.74	23.56
		For Seal Class B, Add	*5.89*	
		For Seal Class A, Add	*12.56*	
		For Work In Restricted Working Space, Add	*11.78*	
23 31 13 13-0043	LF	10" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.09	25.23
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0044	LF	10" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.42	26.92
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.46*	
23 31 13 13-0045	LF	10" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.79	28.60
		For Seal Class B, Add	*7.15*	
		For Seal Class A, Add	*15.25*	
		For Work In Restricted Working Space, Add	*14.30*	
23 31 13 13-0046	LF	12" x 12", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	40.06	20.18
		For Seal Class B, Add	*5.05*	
		For Seal Class A, Add	*10.76*	
		For Work In Restricted Working Space, Add	*10.09*	
23 31 13 13-0047	LF	12" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.42	21.87
		For Seal Class B, Add	*5.47*	
		For Seal Class A, Add	*11.66*	
		For Work In Restricted Working Space, Add	*10.94*	
23 31 13 13-0048	LF	12" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.74	23.56
		For Seal Class B, Add	*5.89*	
		For Seal Class A, Add	*12.56*	
		For Work In Restricted Working Space, Add	*11.78*	
23 31 13 13-0049	LF	12" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.09	25.23
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0050	LF	12" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.42	26.92
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.46*	
23 31 13 13-0051	LF	12" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.79	28.60
		For Seal Class B, Add	*7.15*	
		For Seal Class A, Add	*15.25*	
		For Work In Restricted Working Space, Add	*14.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0052	LF	12" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.12	30.28
		For Seal Class B, Add	*7.57*	
		For Seal Class A, Add	*16.15*	
		For Work In Restricted Working Space, Add	*15.14*	
23 31 13 13-0053	LF	14" x 14", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.74	23.56
		For Seal Class B, Add	*5.89*	
		For Seal Class A, Add	*12.56*	
		For Work In Restricted Working Space, Add	*11.78*	
23 31 13 13-0054	LF	14" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.09	25.23
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0055	LF	14" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.42	26.92
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.46*	
23 31 13 13-0056	LF	14" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.79	28.60
		For Seal Class B, Add	*7.15*	
		For Seal Class A, Add	*15.25*	
		For Work In Restricted Working Space, Add	*14.30*	
23 31 13 13-0057	LF	14" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.12	30.28
		For Seal Class B, Add	*7.57*	
		For Seal Class A, Add	*16.15*	
		For Work In Restricted Working Space, Add	*15.14*	
23 31 13 13-0058	LF	14" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.47	31.97
		For Seal Class B, Add	*7.99*	
		For Seal Class A, Add	*17.05*	
		For Work In Restricted Working Space, Add	*15.98*	
23 31 13 13-0059	LF	16" x 16", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	53.42	26.92
		For Seal Class B, Add	*6.73*	
		For Seal Class A, Add	*14.35*	
		For Work In Restricted Working Space, Add	*13.46*	
23 31 13 13-0060	LF	16" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	56.79	28.60
		For Seal Class B, Add	*7.15*	
		For Seal Class A, Add	*15.25*	
		For Work In Restricted Working Space, Add	*14.30*	
23 31 13 13-0061	LF	16" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.12	30.28
		For Seal Class B, Add	*7.57*	
		For Seal Class A, Add	*16.15*	
		For Work In Restricted Working Space, Add	*15.14*	
23 31 13 13-0062	LF	16" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.47	31.97
		For Seal Class B, Add	*7.99*	
		For Seal Class A, Add	*17.05*	
		For Work In Restricted Working Space, Add	*15.98*	
23 31 13 13-0063	LF	16" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.80	33.64
		For Seal Class B, Add	*8.41*	
		For Seal Class A, Add	*17.95*	
		For Work In Restricted Working Space, Add	*16.82*	
23 31 13 13-0064	LF	18" x 18", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	60.12	30.28
		For Seal Class B, Add	*7.57*	
		For Seal Class A, Add	*16.15*	
		For Work In Restricted Working Space, Add	*15.14*	
23 31 13 13-0065	LF	18" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.47	31.97
		For Seal Class B, Add	*7.99*	
		For Seal Class A, Add	*17.05*	
		For Work In Restricted Working Space, Add	*15.98*	
23 31 13 13-0066	LF	18" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.80	33.64
		For Seal Class B, Add	*8.41*	
		For Seal Class A, Add	*17.95*	
		For Work In Restricted Working Space, Add	*16.82*	
23 31 13 13-0067	LF	18" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.12	35.33
		For Seal Class B, Add	*8.83*	
		For Seal Class A, Add	*18.84*	
		For Work In Restricted Working Space, Add	*17.66*	
23 31 13 13-0068	LF	20" x 20", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	66.80	33.64
		For Seal Class B, Add	*8.41*	
		For Seal Class A, Add	*17.95*	
		For Work In Restricted Working Space, Add	*16.82*	
23 31 13 13-0069	LF	20" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	70.12	35.33
		For Seal Class B, Add	*8.83*	
		For Seal Class A, Add	*18.84*	
		For Work In Restricted Working Space, Add	*17.66*	
23 31 13 13-0070	LF	20" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.47	37.01
		For Seal Class B, Add	*9.25*	
		For Seal Class A, Add	*19.74*	
		For Work In Restricted Working Space, Add	*18.50*	
23 31 13 13-0071	LF	22" x 22", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.47	37.01
		For Seal Class B, Add	*9.25*	
		For Seal Class A, Add	*19.74*	
		For Work In Restricted Working Space, Add	*18.50*	
23 31 13 13-0072	LF	22" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.81	38.69
		For Seal Class B, Add	*9.67*	
		For Seal Class A, Add	*20.64*	
		For Work In Restricted Working Space, Add	*19.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0073	LF	24" x 24", 30 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	80.17	40.38
		For Seal Class B, Add	*10.10*	
		For Seal Class A, Add	*21.54*	
		For Work In Restricted Working Space, Add	*20.19*	
23 31 13 13-0074		**28 Gauge Galvanized Steel Metal Ductwork** *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0075	LF	4" x 4", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	15.89	8.01
		For Seal Class B, Add	*2.00*	
		For Seal Class A, Add	*4.27*	
		For Work In Restricted Working Space, Add	*4.01*	
23 31 13 13-0076	LF	4" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	19.89	10.01
		For Seal Class B, Add	*2.50*	
		For Seal Class A, Add	*5.34*	
		For Work In Restricted Working Space, Add	*5.01*	
23 31 13 13-0077	LF	4" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.86	12.01
		For Seal Class B, Add	*3.00*	
		For Seal Class A, Add	*6.41*	
		For Work In Restricted Working Space, Add	*6.01*	
23 31 13 13-0078	LF	4" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.81	14.02
		For Seal Class B, Add	*3.50*	
		For Seal Class A, Add	*7.48*	
		For Work In Restricted Working Space, Add	*7.01*	
23 31 13 13-0079	LF	4" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.81	16.03
		For Seal Class B, Add	*4.01*	
		For Seal Class A, Add	*8.54*	
		For Work In Restricted Working Space, Add	*8.01*	
23 31 13 13-0080	LF	4" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.78	18.02
		For Seal Class B, Add	*4.51*	
		For Seal Class A, Add	*9.61*	
		For Work In Restricted Working Space, Add	*9.01*	
23 31 13 13-0081	LF	4" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.75	20.03
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*10.01*	
23 31 13 13-0082	LF	6" x 6", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.86	12.01
		For Seal Class B, Add	*3.00*	
		For Seal Class A, Add	*6.41*	
		For Work In Restricted Working Space, Add	*6.01*	
23 31 13 13-0083	LF	6" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.81	14.02
		For Seal Class B, Add	*3.50*	
		For Seal Class A, Add	*7.48*	
		For Work In Restricted Working Space, Add	*7.01*	
23 31 13 13-0084	LF	6" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.81	16.03
		For Seal Class B, Add	*4.01*	
		For Seal Class A, Add	*8.54*	
		For Work In Restricted Working Space, Add	*8.01*	
23 31 13 13-0085	LF	6" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.78	18.02
		For Seal Class B, Add	*4.51*	
		For Seal Class A, Add	*9.61*	
		For Work In Restricted Working Space, Add	*9.01*	
23 31 13 13-0086	LF	6" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.75	20.03
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*10.01*	
23 31 13 13-0087	LF	6" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.74	22.03
		For Seal Class B, Add	*5.51*	
		For Seal Class A, Add	*11.75*	
		For Work In Restricted Working Space, Add	*11.02*	
23 31 13 13-0088	LF	8" x 8", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	31.81	16.03
		For Seal Class B, Add	*4.01*	
		For Seal Class A, Add	*8.54*	
		For Work In Restricted Working Space, Add	*8.01*	
23 31 13 13-0089	LF	8" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.78	18.02
		For Seal Class B, Add	*4.51*	
		For Seal Class A, Add	*9.61*	
		For Work In Restricted Working Space, Add	*9.01*	
23 31 13 13-0090	LF	8" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.75	20.03
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*10.01*	
23 31 13 13-0091	LF	8" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.74	22.03
		For Seal Class B, Add	*5.51*	
		For Seal Class A, Add	*11.75*	
		For Work In Restricted Working Space, Add	*11.02*	
23 31 13 13-0092	LF	8" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.70	24.03
		For Seal Class B, Add	*6.01*	
		For Seal Class A, Add	*12.82*	
		For Work In Restricted Working Space, Add	*12.02*	
23 31 13 13-0093	LF	8" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.68	26.03
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0094	LF	8" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.68	28.04
		For Seal Class B, Add	*7.01*	
		For Seal Class A, Add	*14.96*	
		For Work In Restricted Working Space, Add	*14.02*	
23 31 13 13-0095	LF	8" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.63	30.04
		For Seal Class B, Add	*7.51*	
		For Seal Class A, Add	*16.02*	
		For Work In Restricted Working Space, Add	*15.02*	
23 31 13 13-0096	LF	8" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.63	32.04
		For Seal Class B, Add	*8.01*	
		For Seal Class A, Add	*17.09*	
		For Work In Restricted Working Space, Add	*16.02*	
23 31 13 13-0097	LF	10" x 10", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	39.75	20.03
		For Seal Class B, Add	*5.01*	
		For Seal Class A, Add	*10.68*	
		For Work In Restricted Working Space, Add	*10.01*	
23 31 13 13-0098	LF	10" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.74	22.03
		For Seal Class B, Add	*5.51*	
		For Seal Class A, Add	*11.75*	
		For Work In Restricted Working Space, Add	*11.02*	
23 31 13 13-0099	LF	10" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.70	24.03
		For Seal Class B, Add	*6.01*	
		For Seal Class A, Add	*12.82*	
		For Work In Restricted Working Space, Add	*12.02*	
23 31 13 13-0100	LF	10" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.68	26.03
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0101	LF	10" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.68	28.04
		For Seal Class B, Add	*7.01*	
		For Seal Class A, Add	*14.96*	
		For Work In Restricted Working Space, Add	*14.02*	
23 31 13 13-0102	LF	10" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.63	30.04
		For Seal Class B, Add	*7.51*	
		For Seal Class A, Add	*16.02*	
		For Work In Restricted Working Space, Add	*15.02*	
23 31 13 13-0103	LF	10" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.63	32.04
		For Seal Class B, Add	*8.01*	
		For Seal Class A, Add	*17.09*	
		For Work In Restricted Working Space, Add	*16.02*	
23 31 13 13-0104	LF	10" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.61	34.05
		For Seal Class B, Add	*8.51*	
		For Seal Class A, Add	*18.16*	
		For Work In Restricted Working Space, Add	*17.03*	
23 31 13 13-0105	LF	12" x 12", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	47.70	24.03
		For Seal Class B, Add	*6.01*	
		For Seal Class A, Add	*12.82*	
		For Work In Restricted Working Space, Add	*12.02*	
23 31 13 13-0106	LF	12" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	51.68	26.03
		For Seal Class B, Add	*6.51*	
		For Seal Class A, Add	*13.89*	
		For Work In Restricted Working Space, Add	*13.02*	
23 31 13 13-0107	LF	12" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.68	28.04
		For Seal Class B, Add	*7.01*	
		For Seal Class A, Add	*14.96*	
		For Work In Restricted Working Space, Add	*14.02*	
23 31 13 13-0108	LF	12" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.63	30.04
		For Seal Class B, Add	*7.51*	
		For Seal Class A, Add	*16.02*	
		For Work In Restricted Working Space, Add	*15.02*	
23 31 13 13-0109	LF	12" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.63	32.04
		For Seal Class B, Add	*8.01*	
		For Seal Class A, Add	*17.09*	
		For Work In Restricted Working Space, Add	*16.02*	
23 31 13 13-0110	LF	12" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.61	34.05
		For Seal Class B, Add	*8.51*	
		For Seal Class A, Add	*18.16*	
		For Work In Restricted Working Space, Add	*17.03*	
23 31 13 13-0111	LF	12" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.57	36.04
		For Seal Class B, Add	*9.01*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0112	LF	14" x 14", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.68	28.04
		For Seal Class B, Add	*7.01*	
		For Seal Class A, Add	*14.96*	
		For Work In Restricted Working Space, Add	*14.02*	
23 31 13 13-0113	LF	14" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.63	30.04
		For Seal Class B, Add	*7.51*	
		For Seal Class A, Add	*16.02*	
		For Work In Restricted Working Space, Add	*15.02*	
23 31 13 13-0114	LF	14" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.63	32.04
		For Seal Class B, Add	*8.01*	
		For Seal Class A, Add	*17.09*	
		For Work In Restricted Working Space, Add	*16.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0115	LF	14" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.61	34.05
		For Seal Class B, Add	*8.51*	
		For Seal Class A, Add	*18.16*	
		For Work In Restricted Working Space, Add	*17.03*	
23 31 13 13-0116	LF	14" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.57	36.04
		For Seal Class B, Add	*9.01*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0117	LF	14" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.56	38.05
		For Seal Class B, Add	*9.51*	
		For Seal Class A, Add	*20.30*	
		For Work In Restricted Working Space, Add	*19.03*	
23 31 13 13-0118	LF	16" x 16", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	63.63	32.04
		For Seal Class B, Add	*8.01*	
		For Seal Class A, Add	*17.09*	
		For Work In Restricted Working Space, Add	*16.02*	
23 31 13 13-0119	LF	16" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.61	34.05
		For Seal Class B, Add	*8.51*	
		For Seal Class A, Add	*18.16*	
		For Work In Restricted Working Space, Add	*17.03*	
23 31 13 13-0120	LF	16" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.57	36.04
		For Seal Class B, Add	*9.01*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0121	LF	16" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.56	38.05
		For Seal Class B, Add	*9.51*	
		For Seal Class A, Add	*20.30*	
		For Work In Restricted Working Space, Add	*19.03*	
23 31 13 13-0122	LF	16" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.52	40.05
		For Seal Class B, Add	*10.01*	
		For Seal Class A, Add	*21.36*	
		For Work In Restricted Working Space, Add	*20.03*	
23 31 13 13-0123	LF	18" x 18", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.57	36.04
		For Seal Class B, Add	*9.01*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0124	LF	18" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.56	38.05
		For Seal Class B, Add	*9.51*	
		For Seal Class A, Add	*20.30*	
		For Work In Restricted Working Space, Add	*19.03*	
23 31 13 13-0125	LF	18" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.52	40.05
		For Seal Class B, Add	*10.01*	
		For Seal Class A, Add	*21.36*	
		For Work In Restricted Working Space, Add	*20.03*	
23 31 13 13-0126	LF	18" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.49	42.07
		For Seal Class B, Add	*10.52*	
		For Seal Class A, Add	*22.43*	
		For Work In Restricted Working Space, Add	*21.03*	
23 31 13 13-0127	LF	20" x 20", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	79.52	40.05
		For Seal Class B, Add	*10.01*	
		For Seal Class A, Add	*21.36*	
		For Work In Restricted Working Space, Add	*20.03*	
23 31 13 13-0128	LF	20" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.49	42.07
		For Seal Class B, Add	*10.52*	
		For Seal Class A, Add	*22.43*	
		For Work In Restricted Working Space, Add	*21.03*	
23 31 13 13-0129	LF	20" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.48	44.07
		For Seal Class B, Add	*11.02*	
		For Seal Class A, Add	*23.50*	
		For Work In Restricted Working Space, Add	*22.03*	
23 31 13 13-0130	LF	22" x 22", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.48	44.07
		For Seal Class B, Add	*11.02*	
		For Seal Class A, Add	*23.50*	
		For Work In Restricted Working Space, Add	*22.03*	
23 31 13 13-0131	LF	22" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	91.44	46.07
		For Seal Class B, Add	*11.52*	
		For Seal Class A, Add	*24.57*	
		For Work In Restricted Working Space, Add	*23.03*	
23 31 13 13-0132	LF	24" x 24", 28 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	95.42	48.08
		For Seal Class B, Add	*12.02*	
		For Seal Class A, Add	*25.64*	
		For Work In Restricted Working Space, Add	*24.04*	

23 31 13 13-0133 26 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0134	LF	4" x 4", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	18.45	9.29
		For Seal Class B, Add	*2.32*	
		For Seal Class A, Add	*4.96*	
		For Work In Restricted Working Space, Add	*4.65*	
23 31 13 13-0135	LF	4" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	23.06	11.61
		For Seal Class B, Add	*2.90*	
		For Seal Class A, Add	*6.20*	
		For Work In Restricted Working Space, Add	*5.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0136	LF	4" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.67	13.95
		For Seal Class B, Add	*3.48*	
		For Seal Class A, Add	*7.43*	
		For Work In Restricted Working Space, Add	*6.97*	
23 31 13 13-0137	LF	4" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.28	16.27
		For Seal Class B, Add	*4.07*	
		For Seal Class A, Add	*8.67*	
		For Work In Restricted Working Space, Add	*8.13*	
23 31 13 13-0138	LF	4" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.89	18.59
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.91*	
		For Work In Restricted Working Space, Add	*9.29*	
23 31 13 13-0139	LF	4" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.50	20.91
		For Seal Class B, Add	*5.23*	
		For Seal Class A, Add	*11.15*	
		For Work In Restricted Working Space, Add	*10.45*	
23 31 13 13-0140	LF	4" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.12	23.23
		For Seal Class B, Add	*5.81*	
		For Seal Class A, Add	*12.39*	
		For Work In Restricted Working Space, Add	*11.62*	
23 31 13 13-0141	LF	6" x 6", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.67	13.95
		For Seal Class B, Add	*3.48*	
		For Seal Class A, Add	*7.43*	
		For Work In Restricted Working Space, Add	*6.97*	
23 31 13 13-0142	LF	6" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	32.28	16.27
		For Seal Class B, Add	*4.07*	
		For Seal Class A, Add	*8.67*	
		For Work In Restricted Working Space, Add	*8.13*	
23 31 13 13-0143	LF	6" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.89	18.59
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.91*	
		For Work In Restricted Working Space, Add	*9.29*	
23 31 13 13-0144	LF	6" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.50	20.91
		For Seal Class B, Add	*5.23*	
		For Seal Class A, Add	*11.15*	
		For Work In Restricted Working Space, Add	*10.45*	
23 31 13 13-0145	LF	6" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.12	23.23
		For Seal Class B, Add	*5.81*	
		For Seal Class A, Add	*12.39*	
		For Work In Restricted Working Space, Add	*11.62*	
23 31 13 13-0146	LF	6" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.75	25.56
		For Seal Class B, Add	*6.39*	
		For Seal Class A, Add	*13.63*	
		For Work In Restricted Working Space, Add	*12.78*	
23 31 13 13-0147	LF	8" x 8", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	36.89	18.59
		For Seal Class B, Add	*4.65*	
		For Seal Class A, Add	*9.91*	
		For Work In Restricted Working Space, Add	*9.29*	
23 31 13 13-0148	LF	8" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.50	20.91
		For Seal Class B, Add	*5.23*	
		For Seal Class A, Add	*11.15*	
		For Work In Restricted Working Space, Add	*10.45*	
23 31 13 13-0149	LF	8" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.13	23.23
		For Seal Class B, Add	*5.81*	
		For Seal Class A, Add	*12.39*	
		For Work In Restricted Working Space, Add	*11.62*	
23 31 13 13-0150	LF	8" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.75	25.56
		For Seal Class B, Add	*6.39*	
		For Seal Class A, Add	*13.63*	
		For Work In Restricted Working Space, Add	*12.78*	
23 31 13 13-0151	LF	8" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.36	27.88
		For Seal Class B, Add	*6.97*	
		For Seal Class A, Add	*14.87*	
		For Work In Restricted Working Space, Add	*13.94*	
23 31 13 13-0152	LF	8" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.97	30.21
		For Seal Class B, Add	*7.55*	
		For Seal Class A, Add	*16.11*	
		For Work In Restricted Working Space, Add	*15.11*	
23 31 13 13-0153	LF	8" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.57	32.53
		For Seal Class B, Add	*8.13*	
		For Seal Class A, Add	*17.35*	
		For Work In Restricted Working Space, Add	*16.27*	
23 31 13 13-0154	LF	8" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.20	34.84
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.59*	
		For Work In Restricted Working Space, Add	*17.43*	
23 31 13 13-0155	LF	8" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.80	37.17
		For Seal Class B, Add	*9.29*	
		For Seal Class A, Add	*19.83*	
		For Work In Restricted Working Space, Add	*18.59*	
23 31 13 13-0156	LF	10" x 10", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	46.13	23.23
		For Seal Class B, Add	*5.81*	
		For Seal Class A, Add	*12.39*	
		For Work In Restricted Working Space, Add	*11.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0157	LF	10" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.74	25.56
		For Seal Class B, Add	*6.39*	
		For Seal Class A, Add	*13.63*	
		For Work In Restricted Working Space, Add	*12.78*	
23 31 13 13-0158	LF	10" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.36	27.88
		For Seal Class B, Add	*6.97*	
		For Seal Class A, Add	*14.87*	
		For Work In Restricted Working Space, Add	*13.94*	
23 31 13 13-0159	LF	10" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.97	30.21
		For Seal Class B, Add	*7.55*	
		For Seal Class A, Add	*16.11*	
		For Work In Restricted Working Space, Add	*15.11*	
23 31 13 13-0160	LF	10" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.57	32.53
		For Seal Class B, Add	*8.13*	
		For Seal Class A, Add	*17.35*	
		For Work In Restricted Working Space, Add	*16.27*	
23 31 13 13-0161	LF	10" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.20	34.84
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.59*	
		For Work In Restricted Working Space, Add	*17.43*	
23 31 13 13-0162	LF	10" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.80	37.17
		For Seal Class B, Add	*9.29*	
		For Seal Class A, Add	*19.83*	
		For Work In Restricted Working Space, Add	*18.59*	
23 31 13 13-0163	LF	10" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.42	39.50
		For Seal Class B, Add	*9.88*	
		For Seal Class A, Add	*21.07*	
		For Work In Restricted Working Space, Add	*19.75*	
23 31 13 13-0164	LF	12" x 12", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.36	27.88
		For Seal Class B, Add	*6.97*	
		For Seal Class A, Add	*14.87*	
		For Work In Restricted Working Space, Add	*13.94*	
23 31 13 13-0165	LF	12" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.97	30.21
		For Seal Class B, Add	*7.55*	
		For Seal Class A, Add	*16.11*	
		For Work In Restricted Working Space, Add	*15.11*	
23 31 13 13-0166	LF	12" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.57	32.53
		For Seal Class B, Add	*8.13*	
		For Seal Class A, Add	*17.35*	
		For Work In Restricted Working Space, Add	*16.27*	
23 31 13 13-0167	LF	12" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.20	34.84
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.59*	
		For Work In Restricted Working Space, Add	*17.43*	
23 31 13 13-0168	LF	12" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.80	37.17
		For Seal Class B, Add	*9.29*	
		For Seal Class A, Add	*19.83*	
		For Work In Restricted Working Space, Add	*18.59*	
23 31 13 13-0169	LF	12" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.42	39.50
		For Seal Class B, Add	*9.88*	
		For Seal Class A, Add	*21.07*	
		For Work In Restricted Working Space, Add	*19.75*	
23 31 13 13-0170	LF	12" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.02	41.83
		For Seal Class B, Add	*10.46*	
		For Seal Class A, Add	*22.31*	
		For Work In Restricted Working Space, Add	*20.91*	
23 31 13 13-0171	LF	14" x 14", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.57	32.53
		For Seal Class B, Add	*8.13*	
		For Seal Class A, Add	*17.35*	
		For Work In Restricted Working Space, Add	*16.27*	
23 31 13 13-0172	LF	14" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.20	34.84
		For Seal Class B, Add	*8.71*	
		For Seal Class A, Add	*18.59*	
		For Work In Restricted Working Space, Add	*17.43*	
23 31 13 13-0173	LF	14" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.80	37.17
		For Seal Class B, Add	*9.29*	
		For Seal Class A, Add	*19.83*	
		For Work In Restricted Working Space, Add	*18.59*	
23 31 13 13-0174	LF	14" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.42	39.50
		For Seal Class B, Add	*9.88*	
		For Seal Class A, Add	*21.07*	
		For Work In Restricted Working Space, Add	*19.75*	
23 31 13 13-0175	LF	14" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.02	41.83
		For Seal Class B, Add	*10.46*	
		For Seal Class A, Add	*22.31*	
		For Work In Restricted Working Space, Add	*20.91*	
23 31 13 13-0176	LF	14" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.65	44.15
		For Seal Class B, Add	*11.04*	
		For Seal Class A, Add	*23.55*	
		For Work In Restricted Working Space, Add	*22.07*	
23 31 13 13-0177	LF	16" x 16", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	73.80	37.17
		For Seal Class B, Add	*9.29*	
		For Seal Class A, Add	*19.83*	
		For Work In Restricted Working Space, Add	*18.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0178	LF	16" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.42	39.50
		For Seal Class B, Add	*9.88*	
		For Seal Class A, Add	*21.07*	
		For Work In Restricted Working Space, Add	*19.75*	
23 31 13 13-0179	LF	16" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.02	41.83
		For Seal Class B, Add	*10.46*	
		For Seal Class A, Add	*22.31*	
		For Work In Restricted Working Space, Add	*20.91*	
23 31 13 13-0180	LF	16" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.65	44.15
		For Seal Class B, Add	*11.04*	
		For Seal Class A, Add	*23.55*	
		For Work In Restricted Working Space, Add	*22.07*	
23 31 13 13-0181	LF	16" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.25	46.48
		For Seal Class B, Add	*11.62*	
		For Seal Class A, Add	*24.78*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0182	LF	18" x 18", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.02	41.83
		For Seal Class B, Add	*10.46*	
		For Seal Class A, Add	*22.31*	
		For Work In Restricted Working Space, Add	*20.91*	
23 31 13 13-0183	LF	18" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.65	44.15
		For Seal Class B, Add	*11.04*	
		For Seal Class A, Add	*23.55*	
		For Work In Restricted Working Space, Add	*22.07*	
23 31 13 13-0184	LF	18" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.25	46.48
		For Seal Class B, Add	*11.62*	
		For Seal Class A, Add	*24.78*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0185	LF	18" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.86	48.79
		For Seal Class B, Add	*12.20*	
		For Seal Class A, Add	*26.02*	
		For Work In Restricted Working Space, Add	*24.40*	
23 31 13 13-0186	LF	20" x 20", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.25	46.48
		For Seal Class B, Add	*11.62*	
		For Seal Class A, Add	*24.78*	
		For Work In Restricted Working Space, Add	*23.24*	
23 31 13 13-0187	LF	20" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	96.86	48.79
		For Seal Class B, Add	*12.20*	
		For Seal Class A, Add	*26.02*	
		For Work In Restricted Working Space, Add	*24.40*	
23 31 13 13-0188	LF	20" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.46	51.11
		For Seal Class B, Add	*12.78*	
		For Seal Class A, Add	*27.26*	
		For Work In Restricted Working Space, Add	*25.56*	
23 31 13 13-0189	LF	22" x 22", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.46	51.11
		For Seal Class B, Add	*12.78*	
		For Seal Class A, Add	*27.26*	
		For Work In Restricted Working Space, Add	*25.56*	
23 31 13 13-0190	LF	22" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	106.09	53.44
		For Seal Class B, Add	*13.36*	
		For Seal Class A, Add	*28.50*	
		For Work In Restricted Working Space, Add	*26.72*	
23 31 13 13-0191	LF	24" x 24", 26 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	110.71	55.76
		For Seal Class B, Add	*13.94*	
		For Seal Class A, Add	*29.74*	
		For Work In Restricted Working Space, Add	*27.88*	

23 31 13 13-0192 24 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0193	LF	4" x 4", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	27.82	14.42
		For Seal Class B, Add	*3.61*	
		For Seal Class A, Add	*7.69*	
		For Work In Restricted Working Space, Add	*7.21*	
23 31 13 13-0194	LF	4" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	34.77	18.02
		For Seal Class B, Add	*4.51*	
		For Seal Class A, Add	*9.62*	
		For Work In Restricted Working Space, Add	*9.02*	
23 31 13 13-0195	LF	4" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.72	21.63
		For Seal Class B, Add	*5.41*	
		For Seal Class A, Add	*11.54*	
		For Work In Restricted Working Space, Add	*10.82*	
23 31 13 13-0196	LF	4" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.68	25.24
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0197	LF	4" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.63	28.85
		For Seal Class B, Add	*7.21*	
		For Seal Class A, Add	*15.39*	
		For Work In Restricted Working Space, Add	*14.42*	
23 31 13 13-0198	LF	4" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.59	32.45
		For Seal Class B, Add	*8.11*	
		For Seal Class A, Add	*17.31*	
		For Work In Restricted Working Space, Add	*16.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0199	LF	4" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.54	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0200	LF	6" x 6", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	41.72	21.63
		For Seal Class B, Add	*5.41*	
		For Seal Class A, Add	*11.54*	
		For Work In Restricted Working Space, Add	*10.82*	
23 31 13 13-0201	LF	6" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	48.68	25.24
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0202	LF	6" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.63	28.85
		For Seal Class B, Add	*7.21*	
		For Seal Class A, Add	*15.39*	
		For Work In Restricted Working Space, Add	*14.42*	
23 31 13 13-0203	LF	6" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.59	32.45
		For Seal Class B, Add	*8.11*	
		For Seal Class A, Add	*17.31*	
		For Work In Restricted Working Space, Add	*16.23*	
23 31 13 13-0204	LF	6" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.54	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0205	LF	6" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.50	39.67
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.16*	
		For Work In Restricted Working Space, Add	*19.83*	
23 31 13 13-0206	LF	8" x 8", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	55.63	28.85
		For Seal Class B, Add	*7.21*	
		For Seal Class A, Add	*15.39*	
		For Work In Restricted Working Space, Add	*14.42*	
23 31 13 13-0207	LF	8" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	62.59	32.45
		For Seal Class B, Add	*8.11*	
		For Seal Class A, Add	*17.31*	
		For Work In Restricted Working Space, Add	*16.23*	
23 31 13 13-0208	LF	8" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.54	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0209	LF	8" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.50	39.67
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.16*	
		For Work In Restricted Working Space, Add	*19.83*	
23 31 13 13-0210	LF	8" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.45	43.27
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*23.08*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 13-0211	LF	8" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.39	46.88
		For Seal Class B, Add	*11.72*	
		For Seal Class A, Add	*25.00*	
		For Work In Restricted Working Space, Add	*23.44*	
23 31 13 13-0212	LF	8" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.35	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	
23 31 13 13-0213	LF	8" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.30	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0214	LF	8" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.26	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0215	LF	10" x 10", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	69.54	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0216	LF	10" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.50	39.67
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.16*	
		For Work In Restricted Working Space, Add	*19.83*	
23 31 13 13-0217	LF	10" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.45	43.27
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*23.08*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 13-0218	LF	10" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.39	46.88
		For Seal Class B, Add	*11.72*	
		For Seal Class A, Add	*25.00*	
		For Work In Restricted Working Space, Add	*23.44*	
23 31 13 13-0219	LF	10" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.35	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0220	LF	10" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.30	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0221	LF	10" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.26	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0222	LF	10" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.21	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0223	LF	10" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.17	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0224	LF	10" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.12	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0225	LF	10" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.07	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0226	LF	12" x 12", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	83.45	43.27
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*23.08*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 13-0227	LF	12" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	90.39	46.88
		For Seal Class B, Add	*11.72*	
		For Seal Class A, Add	*25.00*	
		For Work In Restricted Working Space, Add	*23.44*	
23 31 13 13-0228	LF	12" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.35	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	
23 31 13 13-0229	LF	12" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.30	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0230	LF	12" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.26	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0231	LF	12" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.21	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0232	LF	12" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.17	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0233	LF	12" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.12	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0234	LF	12" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.07	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0235	LF	12" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.03	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0236	LF	14" x 14", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	97.35	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	
23 31 13 13-0237	LF	14" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	104.30	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0238	LF	14" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.26	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0239	LF	14" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.21	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0240	LF	14" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.17	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0241	LF	14" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.12	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0242	LF	14" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.07	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0243	LF	14" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.03	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0244	LF	14" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.98	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0245	LF	16" x 16", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	111.26	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0246	LF	16" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.21	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0247	LF	16" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.17	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0248	LF	16" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.12	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0249	LF	16" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.07	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0250	LF	16" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.03	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0251	LF	16" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.98	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0252	LF	16" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	159.94	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0253	LF	18" x 18", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	125.17	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0254	LF	18" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	132.12	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0255	LF	18" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.07	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0256	LF	18" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.03	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0257	LF	18" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.98	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0258	LF	18" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	159.94	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0259	LF	18" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.89	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0260	LF	20" x 20", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	139.07	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0261	LF	20" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	146.03	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0262	LF	20" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.98	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0263	LF	20" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	159.94	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0264	LF	20" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.89	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0265	LF	20" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.84	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0266	LF	22" x 22", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	152.98	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0267	LF	22" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	159.94	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0268	LF	22" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.89	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0269	LF	22" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.84	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0270	LF	22" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.80	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0271	LF	24" x 24", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	166.89	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0272	LF	24" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	173.84	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0273	LF	24" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.80	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0274	LF	24" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.75	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0275	LF	26" x 26", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	180.80	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0276	LF	26" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	187.75	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0277	LF	26" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.70	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0278	LF	28" x 28", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	194.70	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0279	LF	28" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	201.65	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0280	LF	30" x 30", 24 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.62	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	

23 31 13 13-0281 22 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*

Note: Seal Class C

23 31 13 13-0282	LF	4" x 4", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	28.63	14.42
		For Seal Class B, Add	*3.61*	
		For Seal Class A, Add	*7.69*	
		For Work In Restricted Working Space, Add	*7.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0283	LF	4" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	35.79	18.02
		For Seal Class B, Add	*4.51*	
		For Seal Class A, Add	*9.62*	
		For Work In Restricted Working Space, Add	*9.02*	
23 31 13 13-0284	LF	4" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.94	21.63
		For Seal Class B, Add	*5.41*	
		For Seal Class A, Add	*11.54*	
		For Work In Restricted Working Space, Add	*10.82*	
23 31 13 13-0285	LF	4" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.11	25.24
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0286	LF	4" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.27	28.85
		For Seal Class B, Add	*7.21*	
		For Seal Class A, Add	*15.39*	
		For Work In Restricted Working Space, Add	*14.42*	
23 31 13 13-0287	LF	4" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.43	32.45
		For Seal Class B, Add	*8.11*	
		For Seal Class A, Add	*17.31*	
		For Work In Restricted Working Space, Add	*16.23*	
23 31 13 13-0288	LF	4" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.58	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0289	LF	6" x 6", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.94	21.63
		For Seal Class B, Add	*5.41*	
		For Seal Class A, Add	*11.54*	
		For Work In Restricted Working Space, Add	*10.82*	
23 31 13 13-0290	LF	6" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.11	25.24
		For Seal Class B, Add	*6.31*	
		For Seal Class A, Add	*13.46*	
		For Work In Restricted Working Space, Add	*12.62*	
23 31 13 13-0291	LF	6" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.27	28.85
		For Seal Class B, Add	*7.21*	
		For Seal Class A, Add	*15.39*	
		For Work In Restricted Working Space, Add	*14.42*	
23 31 13 13-0292	LF	6" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.43	32.45
		For Seal Class B, Add	*8.11*	
		For Seal Class A, Add	*17.31*	
		For Work In Restricted Working Space, Add	*16.23*	
23 31 13 13-0293	LF	6" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.58	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0294	LF	6" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.74	39.67
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.16*	
		For Work In Restricted Working Space, Add	*19.83*	
23 31 13 13-0295	LF	8" x 8", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	57.27	28.85
		For Seal Class B, Add	*7.21*	
		For Seal Class A, Add	*15.39*	
		For Work In Restricted Working Space, Add	*14.42*	
23 31 13 13-0296	LF	8" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	64.43	32.45
		For Seal Class B, Add	*8.11*	
		For Seal Class A, Add	*17.31*	
		For Work In Restricted Working Space, Add	*16.23*	
23 31 13 13-0297	LF	8" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.58	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0298	LF	8" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.74	39.67
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.16*	
		For Work In Restricted Working Space, Add	*19.83*	
23 31 13 13-0299	LF	8" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.90	43.27
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*23.08*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 13-0300	LF	8" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.05	46.88
		For Seal Class B, Add	*11.72*	
		For Seal Class A, Add	*25.00*	
		For Work In Restricted Working Space, Add	*23.44*	
23 31 13 13-0301	LF	8" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.21	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	
23 31 13 13-0302	LF	8" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.37	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0303	LF	8" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.52	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0304	LF	10" x 10", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	71.58	36.05
		For Seal Class B, Add	*9.02*	
		For Seal Class A, Add	*19.23*	
		For Work In Restricted Working Space, Add	*18.03*	
23 31 13 13-0305	LF	10" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	78.74	39.67
		For Seal Class B, Add	*9.92*	
		For Seal Class A, Add	*21.16*	
		For Work In Restricted Working Space, Add	*19.83*	
23 31 13 13-0306	LF	10" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.90	43.27
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*23.08*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 13-0307	LF	10" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.05	46.88
		For Seal Class B, Add	*11.72*	
		For Seal Class A, Add	*25.00*	
		For Work In Restricted Working Space, Add	*23.44*	
23 31 13 13-0308	LF	10" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.21	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	
23 31 13 13-0309	LF	10" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.37	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0310	LF	10" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.52	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0311	LF	10" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.68	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0312	LF	10" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.84	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0313	LF	10" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.00	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0314	LF	10" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.16	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0315	LF	10" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.32	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0316	LF	12" x 12", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	85.90	43.27
		For Seal Class B, Add	*10.82*	
		For Seal Class A, Add	*23.08*	
		For Work In Restricted Working Space, Add	*21.64*	
23 31 13 13-0317	LF	12" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	93.05	46.88
		For Seal Class B, Add	*11.72*	
		For Seal Class A, Add	*25.00*	
		For Work In Restricted Working Space, Add	*23.44*	
23 31 13 13-0318	LF	12" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.21	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	
23 31 13 13-0319	LF	12" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.37	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0320	LF	12" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.52	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0321	LF	12" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.68	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0322	LF	12" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.84	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0323	LF	12" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.00	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0324	LF	12" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.16	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0325	LF	12" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.32	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0326	LF	12" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.47	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0327	LF	12" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.63	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0328	LF	12" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0329	LF	14" x 14", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	100.21	50.49
		For Seal Class B, Add	*12.62*	
		For Seal Class A, Add	*26.92*	
		For Work In Restricted Working Space, Add	*25.24*	
23 31 13 13-0330	LF	14" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	107.37	54.09
		For Seal Class B, Add	*13.52*	
		For Seal Class A, Add	*28.84*	
		For Work In Restricted Working Space, Add	*27.04*	
23 31 13 13-0331	LF	14" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.52	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0332	LF	14" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.68	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0333	LF	14" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.84	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0334	LF	14" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.00	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0335	LF	14" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.16	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0336	LF	14" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.32	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0337	LF	14" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.47	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0338	LF	14" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.63	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0339	LF	14" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0340	LF	14" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.95	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0341	LF	16" x 16", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	114.52	57.69
		For Seal Class B, Add	*14.42*	
		For Seal Class A, Add	*30.77*	
		For Work In Restricted Working Space, Add	*28.85*	
23 31 13 13-0342	LF	16" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	121.68	61.30
		For Seal Class B, Add	*15.32*	
		For Seal Class A, Add	*32.69*	
		For Work In Restricted Working Space, Add	*30.65*	
23 31 13 13-0343	LF	16" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.84	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0344	LF	16" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.00	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0345	LF	16" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.16	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0346	LF	16" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.32	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0347	LF	16" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.47	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0348	LF	16" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.63	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0349	LF	16" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0350	LF	16" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.95	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0351	LF	16" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.11	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0352	LF	16" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.27	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0353	LF	16" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.41	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0354	LF	16" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.57	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0355	LF	16" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0356	LF	18" x 18", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	128.84	64.90
		For Seal Class B, Add	*16.23*	
		For Seal Class A, Add	*34.61*	
		For Work In Restricted Working Space, Add	*32.45*	
23 31 13 13-0357	LF	18" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	136.00	68.51
		For Seal Class B, Add	*17.13*	
		For Seal Class A, Add	*36.54*	
		For Work In Restricted Working Space, Add	*34.25*	
23 31 13 13-0358	LF	18" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.16	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0359	LF	18" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.32	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0360	LF	18" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.47	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0361	LF	18" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.63	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0362	LF	18" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0363	LF	18" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.95	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0364	LF	18" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.11	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0365	LF	18" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.27	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0366	LF	18" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.41	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0367	LF	18" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.57	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0368	LF	18" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0369	LF	18" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.89	111.77
		For Seal Class B, Add	*27.94*	
		For Seal Class A, Add	*59.61*	
		For Work In Restricted Working Space, Add	*55.89*	
23 31 13 13-0370	LF	18" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	
23 31 13 13-0371	LF	20" x 20", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.16	72.12
		For Seal Class B, Add	*18.03*	
		For Seal Class A, Add	*38.46*	
		For Work In Restricted Working Space, Add	*36.06*	
23 31 13 13-0372	LF	20" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	150.32	75.73
		For Seal Class B, Add	*18.93*	
		For Seal Class A, Add	*40.38*	
		For Work In Restricted Working Space, Add	*37.86*	
23 31 13 13-0373	LF	20" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.47	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0374	LF	20" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.63	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0375	LF	20" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0376	LF	20" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.95	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0377	LF	20" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.11	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0378	LF	20" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.27	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0379	LF	20" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.41	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0380	LF	20" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.57	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0381	LF	20" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0382	LF	20" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.89	111.77
		For Seal Class B, Add	*27.94*	
		For Seal Class A, Add	*59.61*	
		For Work In Restricted Working Space, Add	*55.89*	
23 31 13 13-0383	LF	20" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	
23 31 13 13-0384	LF	20" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.22	119.00
		For Seal Class B, Add	*29.75*	
		For Seal Class A, Add	*63.46*	
		For Work In Restricted Working Space, Add	*59.50*	
23 31 13 13-0385	LF	20" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0386	LF	22" x 22", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	157.47	79.32
		For Seal Class B, Add	*19.83*	
		For Seal Class A, Add	*42.31*	
		For Work In Restricted Working Space, Add	*39.66*	
23 31 13 13-0387	LF	22" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.63	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0388	LF	22" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0389	LF	22" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.95	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0390	LF	22" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.11	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0391	LF	22" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.27	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0392	LF	22" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.41	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0393	LF	22" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.57	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0394	LF	22" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0395	LF	22" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.89	111.77
		For Seal Class B, Add	*27.94*	
		For Seal Class A, Add	*59.61*	
		For Work In Restricted Working Space, Add	*55.89*	
23 31 13 13-0396	LF	22" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	
23 31 13 13-0397	LF	22" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.22	119.00
		For Seal Class B, Add	*29.75*	
		For Seal Class A, Add	*63.46*	
		For Work In Restricted Working Space, Add	*59.50*	
23 31 13 13-0398	LF	22" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0399	LF	22" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.52	126.20
		For Seal Class B, Add	*31.55*	
		For Seal Class A, Add	*67.31*	
		For Work In Restricted Working Space, Add	*63.10*	
23 31 13 13-0400	LF	24" x 24", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	171.79	86.54
		For Seal Class B, Add	*21.63*	
		For Seal Class A, Add	*46.15*	
		For Work In Restricted Working Space, Add	*43.27*	
23 31 13 13-0401	LF	24" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	178.95	90.14
		For Seal Class B, Add	*22.54*	
		For Seal Class A, Add	*48.08*	
		For Work In Restricted Working Space, Add	*45.07*	
23 31 13 13-0402	LF	24" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.11	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0403	LF	24" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.27	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0404	LF	24" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.41	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0405	LF	24" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.57	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0406	LF	24" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0407	LF	24" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.89	111.77
		For Seal Class B, Add	*27.94*	
		For Seal Class A, Add	*59.61*	
		For Work In Restricted Working Space, Add	*55.89*	
23 31 13 13-0408	LF	24" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0409	LF	24" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.22	119.00
		For Seal Class B, Add	*29.75*	
		For Seal Class A, Add	*63.46*	
		For Work In Restricted Working Space, Add	*59.50*	
23 31 13 13-0410	LF	24" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0411	LF	24" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.52	126.20
		For Seal Class B, Add	*31.55*	
		For Seal Class A, Add	*67.31*	
		For Work In Restricted Working Space, Add	*63.10*	
23 31 13 13-0412	LF	24" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.68	129.81
		For Seal Class B, Add	*32.45*	
		For Seal Class A, Add	*69.23*	
		For Work In Restricted Working Space, Add	*64.90*	
23 31 13 13-0413	LF	26" x 26", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.11	93.75
		For Seal Class B, Add	*23.44*	
		For Seal Class A, Add	*50.00*	
		For Work In Restricted Working Space, Add	*46.88*	
23 31 13 13-0414	LF	26" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.27	97.36
		For Seal Class B, Add	*24.34*	
		For Seal Class A, Add	*51.92*	
		For Work In Restricted Working Space, Add	*48.68*	
23 31 13 13-0415	LF	26" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.41	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0416	LF	26" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.57	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0417	LF	26" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0418	LF	26" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.89	111.77
		For Seal Class B, Add	*27.94*	
		For Seal Class A, Add	*59.61*	
		For Work In Restricted Working Space, Add	*55.89*	
23 31 13 13-0419	LF	26" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	
23 31 13 13-0420	LF	26" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.22	119.00
		For Seal Class B, Add	*29.75*	
		For Seal Class A, Add	*63.46*	
		For Work In Restricted Working Space, Add	*59.50*	
23 31 13 13-0421	LF	26" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0422	LF	26" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.52	126.20
		For Seal Class B, Add	*31.55*	
		For Seal Class A, Add	*67.31*	
		For Work In Restricted Working Space, Add	*63.10*	
23 31 13 13-0423	LF	26" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.68	129.81
		For Seal Class B, Add	*32.45*	
		For Seal Class A, Add	*69.23*	
		For Work In Restricted Working Space, Add	*64.90*	
23 31 13 13-0424	LF	26" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.85	133.42
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*71.16*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 13-0425	LF	28" x 28", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	200.41	100.95
		For Seal Class B, Add	*25.24*	
		For Seal Class A, Add	*53.84*	
		For Work In Restricted Working Space, Add	*50.48*	
23 31 13 13-0426	LF	28" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	207.57	104.56
		For Seal Class B, Add	*26.14*	
		For Seal Class A, Add	*55.77*	
		For Work In Restricted Working Space, Add	*52.28*	
23 31 13 13-0427	LF	28" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0428	LF	28" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.89	111.77
		For Seal Class B, Add	*27.94*	
		For Seal Class A, Add	*59.61*	
		For Work In Restricted Working Space, Add	*55.89*	
23 31 13 13-0429	LF	28" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0430	LF	28" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.22	119.00
		For Seal Class B, Add	*29.75*	
		For Seal Class A, Add	*63.46*	
		For Work In Restricted Working Space, Add	*59.50*	
23 31 13 13-0431	LF	28" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0432	LF	28" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.52	126.20
		For Seal Class B, Add	*31.55*	
		For Seal Class A, Add	*67.31*	
		For Work In Restricted Working Space, Add	*63.10*	
23 31 13 13-0433	LF	28" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.68	129.81
		For Seal Class B, Add	*32.45*	
		For Seal Class A, Add	*69.23*	
		For Work In Restricted Working Space, Add	*64.90*	
23 31 13 13-0434	LF	28" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.85	133.42
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*71.16*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 13-0435	LF	28" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.01	137.02
		For Seal Class B, Add	*34.26*	
		For Seal Class A, Add	*73.08*	
		For Work In Restricted Working Space, Add	*68.51*	
23 31 13 13-0436	LF	30" x 30", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	214.74	108.17
		For Seal Class B, Add	*27.04*	
		For Seal Class A, Add	*57.69*	
		For Work In Restricted Working Space, Add	*54.09*	
23 31 13 13-0437	LF	30" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	221.89	111.77
		For Seal Class B, Add	*27.94*	
		For Seal Class A, Add	*59.61*	
		For Work In Restricted Working Space, Add	*55.89*	
23 31 13 13-0438	LF	30" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	
23 31 13 13-0439	LF	30" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.22	119.00
		For Seal Class B, Add	*29.75*	
		For Seal Class A, Add	*63.46*	
		For Work In Restricted Working Space, Add	*59.50*	
23 31 13 13-0440	LF	30" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0441	LF	30" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.52	126.20
		For Seal Class B, Add	*31.55*	
		For Seal Class A, Add	*67.31*	
		For Work In Restricted Working Space, Add	*63.10*	
23 31 13 13-0442	LF	30" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.68	129.81
		For Seal Class B, Add	*32.45*	
		For Seal Class A, Add	*69.23*	
		For Work In Restricted Working Space, Add	*64.90*	
23 31 13 13-0443	LF	30" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.85	133.42
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*71.16*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 13-0444	LF	30" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.01	137.02
		For Seal Class B, Add	*34.26*	
		For Seal Class A, Add	*73.08*	
		For Work In Restricted Working Space, Add	*68.51*	
23 31 13 13-0445	LF	30" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.16	140.63
		For Seal Class B, Add	*35.16*	
		For Seal Class A, Add	*75.00*	
		For Work In Restricted Working Space, Add	*70.31*	
23 31 13 13-0446	LF	32" x 32", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	229.05	115.38
		For Seal Class B, Add	*28.85*	
		For Seal Class A, Add	*61.54*	
		For Work In Restricted Working Space, Add	*57.69*	
23 31 13 13-0447	LF	32" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.22	119.00
		For Seal Class B, Add	*29.75*	
		For Seal Class A, Add	*63.46*	
		For Work In Restricted Working Space, Add	*59.50*	
23 31 13 13-0448	LF	32" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0449	LF	32" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.52	126.20
		For Seal Class B, Add	*31.55*	
		For Seal Class A, Add	*67.31*	
		For Work In Restricted Working Space, Add	*63.10*	
23 31 13 13-0450	LF	32" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.68	129.81
		For Seal Class B, Add	*32.45*	
		For Seal Class A, Add	*69.23*	
		For Work In Restricted Working Space, Add	*64.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0451	LF	32" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.85	133.42
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*71.16*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 13-0452	LF	32" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.01	137.02
		For Seal Class B, Add	*34.26*	
		For Seal Class A, Add	*73.08*	
		For Work In Restricted Working Space, Add	*68.51*	
23 31 13 13-0453	LF	32" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.16	140.63
		For Seal Class B, Add	*35.16*	
		For Seal Class A, Add	*75.00*	
		For Work In Restricted Working Space, Add	*70.31*	
23 31 13 13-0454	LF	32" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.31	144.23
		For Seal Class B, Add	*36.06*	
		For Seal Class A, Add	*76.92*	
		For Work In Restricted Working Space, Add	*72.11*	
23 31 13 13-0455	LF	34" x 34", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	243.37	122.60
		For Seal Class B, Add	*30.65*	
		For Seal Class A, Add	*65.39*	
		For Work In Restricted Working Space, Add	*61.30*	
23 31 13 13-0456	LF	34" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	250.52	126.20
		For Seal Class B, Add	*31.55*	
		For Seal Class A, Add	*67.31*	
		For Work In Restricted Working Space, Add	*63.10*	
23 31 13 13-0457	LF	34" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.68	129.81
		For Seal Class B, Add	*32.45*	
		For Seal Class A, Add	*69.23*	
		For Work In Restricted Working Space, Add	*64.90*	
23 31 13 13-0458	LF	34" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.85	133.42
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*71.16*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 13-0459	LF	34" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.01	137.02
		For Seal Class B, Add	*34.26*	
		For Seal Class A, Add	*73.08*	
		For Work In Restricted Working Space, Add	*68.51*	
23 31 13 13-0460	LF	34" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.16	140.63
		For Seal Class B, Add	*35.16*	
		For Seal Class A, Add	*75.00*	
		For Work In Restricted Working Space, Add	*70.31*	
23 31 13 13-0461	LF	34" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.31	144.23
		For Seal Class B, Add	*36.06*	
		For Seal Class A, Add	*76.92*	
		For Work In Restricted Working Space, Add	*72.11*	
23 31 13 13-0462	LF	34" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.47	147.83
		For Seal Class B, Add	*36.96*	
		For Seal Class A, Add	*78.84*	
		For Work In Restricted Working Space, Add	*73.92*	
23 31 13 13-0463	LF	36" x 36", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	257.68	129.81
		For Seal Class B, Add	*32.45*	
		For Seal Class A, Add	*69.23*	
		For Work In Restricted Working Space, Add	*64.90*	
23 31 13 13-0464	LF	36" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	264.85	133.42
		For Seal Class B, Add	*33.35*	
		For Seal Class A, Add	*71.16*	
		For Work In Restricted Working Space, Add	*66.71*	
23 31 13 13-0465	LF	36" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.01	137.02
		For Seal Class B, Add	*34.26*	
		For Seal Class A, Add	*73.08*	
		For Work In Restricted Working Space, Add	*68.51*	
23 31 13 13-0466	LF	36" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.16	140.63
		For Seal Class B, Add	*35.16*	
		For Seal Class A, Add	*75.00*	
		For Work In Restricted Working Space, Add	*70.31*	
23 31 13 13-0467	LF	36" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.31	144.23
		For Seal Class B, Add	*36.06*	
		For Seal Class A, Add	*76.92*	
		For Work In Restricted Working Space, Add	*72.11*	
23 31 13 13-0468	LF	36" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.47	147.83
		For Seal Class B, Add	*36.96*	
		For Seal Class A, Add	*78.84*	
		For Work In Restricted Working Space, Add	*73.92*	
23 31 13 13-0469	LF	36" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	300.62	151.44
		For Seal Class B, Add	*37.86*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.72*	
23 31 13 13-0470	LF	38" x 38", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	272.01	137.02
		For Seal Class B, Add	*34.26*	
		For Seal Class A, Add	*73.08*	
		For Work In Restricted Working Space, Add	*68.51*	
23 31 13 13-0471	LF	38" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	279.16	140.63
		For Seal Class B, Add	*35.16*	
		For Seal Class A, Add	*75.00*	
		For Work In Restricted Working Space, Add	*70.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0472	LF	38" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.31	144.23
		For Seal Class B, Add	*36.06*	
		For Seal Class A, Add	*76.92*	
		For Work In Restricted Working Space, Add	*72.11*	
23 31 13 13-0473	LF	38" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.47	147.83
		For Seal Class B, Add	*36.96*	
		For Seal Class A, Add	*78.84*	
		For Work In Restricted Working Space, Add	*73.92*	
23 31 13 13-0474	LF	38" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	300.62	151.44
		For Seal Class B, Add	*37.86*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.72*	
23 31 13 13-0475	LF	38" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.79	155.05
		For Seal Class B, Add	*38.76*	
		For Seal Class A, Add	*82.69*	
		For Work In Restricted Working Space, Add	*77.52*	
23 31 13 13-0476	LF	38" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	158.65
		For Seal Class B, Add	*39.66*	
		For Seal Class A, Add	*84.61*	
		For Work In Restricted Working Space, Add	*79.33*	
23 31 13 13-0477	LF	40" x 40", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.31	144.23
		For Seal Class B, Add	*36.06*	
		For Seal Class A, Add	*76.92*	
		For Work In Restricted Working Space, Add	*72.11*	
23 31 13 13-0478	LF	40" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	293.47	147.83
		For Seal Class B, Add	*36.96*	
		For Seal Class A, Add	*78.84*	
		For Work In Restricted Working Space, Add	*73.92*	
23 31 13 13-0479	LF	40" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	300.62	151.44
		For Seal Class B, Add	*37.86*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.72*	
23 31 13 13-0480	LF	40" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.79	155.05
		For Seal Class B, Add	*38.76*	
		For Seal Class A, Add	*82.69*	
		For Work In Restricted Working Space, Add	*77.52*	
23 31 13 13-0481	LF	40" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	158.65
		For Seal Class B, Add	*39.66*	
		For Seal Class A, Add	*84.61*	
		For Work In Restricted Working Space, Add	*79.33*	
23 31 13 13-0482	LF	40" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.12	162.26
		For Seal Class B, Add	*40.57*	
		For Seal Class A, Add	*86.54*	
		For Work In Restricted Working Space, Add	*81.13*	
23 31 13 13-0483	LF	40" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.26	165.86
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.46*	
		For Work In Restricted Working Space, Add	*82.93*	
23 31 13 13-0484	LF	40" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.42	169.46
		For Seal Class B, Add	*42.37*	
		For Seal Class A, Add	*90.38*	
		For Work In Restricted Working Space, Add	*84.74*	
23 31 13 13-0485	LF	42" x 42", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	300.62	151.44
		For Seal Class B, Add	*37.86*	
		For Seal Class A, Add	*80.76*	
		For Work In Restricted Working Space, Add	*75.72*	
23 31 13 13-0486	LF	42" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.79	155.05
		For Seal Class B, Add	*38.76*	
		For Seal Class A, Add	*82.69*	
		For Work In Restricted Working Space, Add	*77.52*	
23 31 13 13-0487	LF	42" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	158.65
		For Seal Class B, Add	*39.66*	
		For Seal Class A, Add	*84.61*	
		For Work In Restricted Working Space, Add	*79.33*	
23 31 13 13-0488	LF	42" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.12	162.26
		For Seal Class B, Add	*40.57*	
		For Seal Class A, Add	*86.54*	
		For Work In Restricted Working Space, Add	*81.13*	
23 31 13 13-0489	LF	42" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.26	165.86
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.46*	
		For Work In Restricted Working Space, Add	*82.93*	
23 31 13 13-0490	LF	42" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.42	169.46
		For Seal Class B, Add	*42.37*	
		For Seal Class A, Add	*90.38*	
		For Work In Restricted Working Space, Add	*84.74*	
23 31 13 13-0491	LF	42" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.58	173.07
		For Seal Class B, Add	*43.27*	
		For Seal Class A, Add	*92.31*	
		For Work In Restricted Working Space, Add	*86.54*	
23 31 13 13-0492	LF	44" x 44", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	314.95	158.65
		For Seal Class B, Add	*39.66*	
		For Seal Class A, Add	*84.61*	
		For Work In Restricted Working Space, Add	*79.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0493	LF	44" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	322.12	162.26
		For Seal Class B, Add	*40.57*	
		For Seal Class A, Add	*86.54*	
		For Work In Restricted Working Space, Add	*81.13*	
23 31 13 13-0494	LF	44" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.26	165.86
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.46*	
		For Work In Restricted Working Space, Add	*82.93*	
23 31 13 13-0495	LF	44" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.42	169.46
		For Seal Class B, Add	*42.37*	
		For Seal Class A, Add	*90.38*	
		For Work In Restricted Working Space, Add	*84.74*	
23 31 13 13-0496	LF	44" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.58	173.07
		For Seal Class B, Add	*43.27*	
		For Seal Class A, Add	*92.31*	
		For Work In Restricted Working Space, Add	*86.54*	
23 31 13 13-0497	LF	44" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.73	176.68
		For Seal Class B, Add	*44.17*	
		For Seal Class A, Add	*94.23*	
		For Work In Restricted Working Space, Add	*88.34*	
23 31 13 13-0498	LF	46" x 46", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.26	165.86
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.46*	
		For Work In Restricted Working Space, Add	*82.93*	
23 31 13 13-0499	LF	46" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	336.42	169.46
		For Seal Class B, Add	*42.37*	
		For Seal Class A, Add	*90.38*	
		For Work In Restricted Working Space, Add	*84.74*	
23 31 13 13-0500	LF	46" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.58	173.07
		For Seal Class B, Add	*43.27*	
		For Seal Class A, Add	*92.31*	
		For Work In Restricted Working Space, Add	*86.54*	
23 31 13 13-0501	LF	46" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.73	176.68
		For Seal Class B, Add	*44.17*	
		For Seal Class A, Add	*94.23*	
		For Work In Restricted Working Space, Add	*88.34*	
23 31 13 13-0502	LF	46" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.90	180.29
		For Seal Class B, Add	*45.07*	
		For Seal Class A, Add	*96.15*	
		For Work In Restricted Working Space, Add	*90.14*	
23 31 13 13-0503	LF	48" x 48", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	343.58	173.07
		For Seal Class B, Add	*43.27*	
		For Seal Class A, Add	*92.31*	
		For Work In Restricted Working Space, Add	*86.54*	
23 31 13 13-0504	LF	48" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	350.73	176.68
		For Seal Class B, Add	*44.17*	
		For Seal Class A, Add	*94.23*	
		For Work In Restricted Working Space, Add	*88.34*	
23 31 13 13-0505	LF	48" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.90	180.29
		For Seal Class B, Add	*45.07*	
		For Seal Class A, Add	*96.15*	
		For Work In Restricted Working Space, Add	*90.14*	
23 31 13 13-0506	LF	48" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.06	183.89
		For Seal Class B, Add	*45.97*	
		For Seal Class A, Add	*98.08*	
		For Work In Restricted Working Space, Add	*91.95*	
23 31 13 13-0507	LF	50" x 50", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	357.90	180.29
		For Seal Class B, Add	*45.07*	
		For Seal Class A, Add	*96.15*	
		For Work In Restricted Working Space, Add	*90.14*	
23 31 13 13-0508	LF	50" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	365.06	183.89
		For Seal Class B, Add	*45.97*	
		For Seal Class A, Add	*98.08*	
		For Work In Restricted Working Space, Add	*91.95*	
23 31 13 13-0509	LF	50" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.21	187.49
		For Seal Class B, Add	*46.88*	
		For Seal Class A, Add	*100.00*	
		For Work In Restricted Working Space, Add	*93.75*	
23 31 13 13-0510	LF	52" x 52", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	372.21	187.49
		For Seal Class B, Add	*46.88*	
		For Seal Class A, Add	*100.00*	
		For Work In Restricted Working Space, Add	*93.75*	
23 31 13 13-0511	LF	52" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	379.36	191.10
		For Seal Class B, Add	*47.78*	
		For Seal Class A, Add	*101.92*	
		For Work In Restricted Working Space, Add	*95.55*	
23 31 13 13-0512	LF	54" x 54", 22 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	386.52	194.70
		For Seal Class B, Add	*48.68*	
		For Seal Class A, Add	*103.84*	
		For Work In Restricted Working Space, Add	*97.35*	

23 31 13 13-0513 20 Gauge Galvanized Steel Metal Ductwork *(23 31 13 13-0014)*
Note: Seal Class C

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0514	LF	4" x 4", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	33.71	16.98
		For Seal Class B, Add	*4.25*	
		For Seal Class A, Add	*9.06*	
		For Work In Restricted Working Space, Add	*8.49*	
23 31 13 13-0515	LF	4" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	42.15	21.23
		For Seal Class B, Add	*5.31*	
		For Seal Class A, Add	*11.32*	
		For Work In Restricted Working Space, Add	*10.62*	
23 31 13 13-0516	LF	4" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.59	25.48
		For Seal Class B, Add	*6.37*	
		For Seal Class A, Add	*13.59*	
		For Work In Restricted Working Space, Add	*12.74*	
23 31 13 13-0517	LF	4" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.01	29.72
		For Seal Class B, Add	*7.43*	
		For Seal Class A, Add	*15.86*	
		For Work In Restricted Working Space, Add	*14.87*	
23 31 13 13-0518	LF	4" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.45	33.98
		For Seal Class B, Add	*8.49*	
		For Seal Class A, Add	*18.12*	
		For Work In Restricted Working Space, Add	*16.99*	
23 31 13 13-0519	LF	4" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.88	38.22
		For Seal Class B, Add	*9.56*	
		For Seal Class A, Add	*20.38*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0520	LF	4" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.31	42.47
		For Seal Class B, Add	*10.62*	
		For Seal Class A, Add	*22.65*	
		For Work In Restricted Working Space, Add	*21.24*	
23 31 13 13-0521	LF	6" x 6", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	50.59	25.48
		For Seal Class B, Add	*6.37*	
		For Seal Class A, Add	*13.59*	
		For Work In Restricted Working Space, Add	*12.74*	
23 31 13 13-0522	LF	6" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	59.01	29.72
		For Seal Class B, Add	*7.43*	
		For Seal Class A, Add	*15.86*	
		For Work In Restricted Working Space, Add	*14.87*	
23 31 13 13-0523	LF	6" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.45	33.98
		For Seal Class B, Add	*8.49*	
		For Seal Class A, Add	*18.12*	
		For Work In Restricted Working Space, Add	*16.99*	
23 31 13 13-0524	LF	6" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.88	38.22
		For Seal Class B, Add	*9.56*	
		For Seal Class A, Add	*20.38*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0525	LF	6" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.31	42.47
		For Seal Class B, Add	*10.62*	
		For Seal Class A, Add	*22.65*	
		For Work In Restricted Working Space, Add	*21.24*	
23 31 13 13-0526	LF	6" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.74	46.71
		For Seal Class B, Add	*11.68*	
		For Seal Class A, Add	*24.92*	
		For Work In Restricted Working Space, Add	*23.36*	
23 31 13 13-0527	LF	8" x 8", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	67.45	33.98
		For Seal Class B, Add	*8.49*	
		For Seal Class A, Add	*18.12*	
		For Work In Restricted Working Space, Add	*16.99*	
23 31 13 13-0528	LF	8" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	75.88	38.22
		For Seal Class B, Add	*9.56*	
		For Seal Class A, Add	*20.38*	
		For Work In Restricted Working Space, Add	*19.11*	
23 31 13 13-0529	LF	8" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.31	42.47
		For Seal Class B, Add	*10.62*	
		For Seal Class A, Add	*22.65*	
		For Work In Restricted Working Space, Add	*21.24*	
23 31 13 13-0530	LF	8" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.74	46.71
		For Seal Class B, Add	*11.68*	
		For Seal Class A, Add	*24.92*	
		For Work In Restricted Working Space, Add	*23.36*	
23 31 13 13-0531	LF	8" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.16	50.96
		For Seal Class B, Add	*12.74*	
		For Seal Class A, Add	*27.18*	
		For Work In Restricted Working Space, Add	*25.48*	
23 31 13 13-0532	LF	8" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.59	55.20
		For Seal Class B, Add	*13.80*	
		For Seal Class A, Add	*29.44*	
		For Work In Restricted Working Space, Add	*27.60*	
23 31 13 13-0533	LF	8" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.03	59.46
		For Seal Class B, Add	*14.86*	
		For Seal Class A, Add	*31.71*	
		For Work In Restricted Working Space, Add	*29.73*	
23 31 13 13-0534	LF	8" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.44	63.70
		For Seal Class B, Add	*15.92*	
		For Seal Class A, Add	*33.97*	
		For Work In Restricted Working Space, Add	*31.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0535	LF	8" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.88	67.95
		For Seal Class B, Add	*16.99*	
		For Seal Class A, Add	*36.24*	
		For Work In Restricted Working Space, Add	*33.97*	
23 31 13 13-0536	LF	10" x 10", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	84.31	42.47
		For Seal Class B, Add	*10.62*	
		For Seal Class A, Add	*22.65*	
		For Work In Restricted Working Space, Add	*21.24*	
23 31 13 13-0537	LF	10" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	92.74	46.71
		For Seal Class B, Add	*11.68*	
		For Seal Class A, Add	*24.92*	
		For Work In Restricted Working Space, Add	*23.36*	
23 31 13 13-0538	LF	10" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.16	50.96
		For Seal Class B, Add	*12.74*	
		For Seal Class A, Add	*27.18*	
		For Work In Restricted Working Space, Add	*25.48*	
23 31 13 13-0539	LF	10" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.59	55.20
		For Seal Class B, Add	*13.80*	
		For Seal Class A, Add	*29.44*	
		For Work In Restricted Working Space, Add	*27.60*	
23 31 13 13-0540	LF	10" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.03	59.46
		For Seal Class B, Add	*14.86*	
		For Seal Class A, Add	*31.71*	
		For Work In Restricted Working Space, Add	*29.73*	
23 31 13 13-0541	LF	10" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.44	63.70
		For Seal Class B, Add	*15.92*	
		For Seal Class A, Add	*33.97*	
		For Work In Restricted Working Space, Add	*31.85*	
23 31 13 13-0542	LF	10" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.88	67.95
		For Seal Class B, Add	*16.99*	
		For Seal Class A, Add	*36.24*	
		For Work In Restricted Working Space, Add	*33.97*	
23 31 13 13-0543	LF	10" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.35	72.20
		For Seal Class B, Add	*18.05*	
		For Seal Class A, Add	*38.51*	
		For Work In Restricted Working Space, Add	*36.10*	
23 31 13 13-0544	LF	10" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.75	76.44
		For Seal Class B, Add	*19.11*	
		For Seal Class A, Add	*40.77*	
		For Work In Restricted Working Space, Add	*38.22*	
23 31 13 13-0545	LF	10" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	80.68
		For Seal Class B, Add	*20.17*	
		For Seal Class A, Add	*43.04*	
		For Work In Restricted Working Space, Add	*40.35*	
23 31 13 13-0546	LF	10" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.60	84.94
		For Seal Class B, Add	*21.23*	
		For Seal Class A, Add	*45.30*	
		For Work In Restricted Working Space, Add	*42.47*	
23 31 13 13-0547	LF	10" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.04	89.18
		For Seal Class B, Add	*22.30*	
		For Seal Class A, Add	*47.56*	
		For Work In Restricted Working Space, Add	*44.59*	
23 31 13 13-0548	LF	12" x 12", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	101.16	50.96
		For Seal Class B, Add	*12.74*	
		For Seal Class A, Add	*27.18*	
		For Work In Restricted Working Space, Add	*25.48*	
23 31 13 13-0549	LF	12" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.59	55.20
		For Seal Class B, Add	*13.80*	
		For Seal Class A, Add	*29.44*	
		For Work In Restricted Working Space, Add	*27.60*	
23 31 13 13-0550	LF	12" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.03	59.46
		For Seal Class B, Add	*14.86*	
		For Seal Class A, Add	*31.71*	
		For Work In Restricted Working Space, Add	*29.73*	
23 31 13 13-0551	LF	12" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.44	63.70
		For Seal Class B, Add	*15.92*	
		For Seal Class A, Add	*33.97*	
		For Work In Restricted Working Space, Add	*31.85*	
23 31 13 13-0552	LF	12" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.88	67.95
		For Seal Class B, Add	*16.99*	
		For Seal Class A, Add	*36.24*	
		For Work In Restricted Working Space, Add	*33.97*	
23 31 13 13-0553	LF	12" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.35	72.20
		For Seal Class B, Add	*18.05*	
		For Seal Class A, Add	*38.51*	
		For Work In Restricted Working Space, Add	*36.10*	
23 31 13 13-0554	LF	12" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.75	76.44
		For Seal Class B, Add	*19.11*	
		For Seal Class A, Add	*40.77*	
		For Work In Restricted Working Space, Add	*38.22*	
23 31 13 13-0555	LF	12" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	80.68
		For Seal Class B, Add	*20.17*	
		For Seal Class A, Add	*43.04*	
		For Work In Restricted Working Space, Add	*40.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0556	LF	12" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.60	84.94
		For Seal Class B, Add	*21.23*	
		For Seal Class A, Add	*45.30*	
		For Work In Restricted Working Space, Add	*42.47*	
23 31 13 13-0557	LF	12" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.04	89.18
		For Seal Class B, Add	*22.30*	
		For Seal Class A, Add	*47.56*	
		For Work In Restricted Working Space, Add	*44.59*	
23 31 13 13-0558	LF	12" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.48	93.43
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.71*	
23 31 13 13-0559	LF	12" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.89	97.68
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.09*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0560	LF	12" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.35	101.93
		For Seal Class B, Add	*25.48*	
		For Seal Class A, Add	*54.36*	
		For Work In Restricted Working Space, Add	*50.96*	
23 31 13 13-0561	LF	14" x 14", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	118.03	59.46
		For Seal Class B, Add	*14.86*	
		For Seal Class A, Add	*31.71*	
		For Work In Restricted Working Space, Add	*29.73*	
23 31 13 13-0562	LF	14" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	126.44	63.70
		For Seal Class B, Add	*15.92*	
		For Seal Class A, Add	*33.97*	
		For Work In Restricted Working Space, Add	*31.85*	
23 31 13 13-0563	LF	14" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.88	67.95
		For Seal Class B, Add	*16.99*	
		For Seal Class A, Add	*36.24*	
		For Work In Restricted Working Space, Add	*33.97*	
23 31 13 13-0564	LF	14" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.35	72.20
		For Seal Class B, Add	*18.05*	
		For Seal Class A, Add	*38.51*	
		For Work In Restricted Working Space, Add	*36.10*	
23 31 13 13-0565	LF	14" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.75	76.44
		For Seal Class B, Add	*19.11*	
		For Seal Class A, Add	*40.77*	
		For Work In Restricted Working Space, Add	*38.22*	
23 31 13 13-0566	LF	14" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	80.68
		For Seal Class B, Add	*20.17*	
		For Seal Class A, Add	*43.04*	
		For Work In Restricted Working Space, Add	*40.35*	
23 31 13 13-0567	LF	14" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.60	84.94
		For Seal Class B, Add	*21.23*	
		For Seal Class A, Add	*45.30*	
		For Work In Restricted Working Space, Add	*42.47*	
23 31 13 13-0568	LF	14" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.04	89.18
		For Seal Class B, Add	*22.30*	
		For Seal Class A, Add	*47.56*	
		For Work In Restricted Working Space, Add	*44.59*	
23 31 13 13-0569	LF	14" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.48	93.43
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.71*	
23 31 13 13-0570	LF	14" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.89	97.68
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.09*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0571	LF	14" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.35	101.93
		For Seal Class B, Add	*25.48*	
		For Seal Class A, Add	*54.36*	
		For Work In Restricted Working Space, Add	*50.96*	
23 31 13 13-0572	LF	14" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.75	106.16
		For Seal Class B, Add	*26.54*	
		For Seal Class A, Add	*56.62*	
		For Work In Restricted Working Space, Add	*53.09*	
23 31 13 13-0573	LF	16" x 16", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	134.88	67.95
		For Seal Class B, Add	*16.99*	
		For Seal Class A, Add	*36.24*	
		For Work In Restricted Working Space, Add	*33.97*	
23 31 13 13-0574	LF	16" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	143.35	72.20
		For Seal Class B, Add	*18.05*	
		For Seal Class A, Add	*38.51*	
		For Work In Restricted Working Space, Add	*36.10*	
23 31 13 13-0575	LF	16" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.75	76.44
		For Seal Class B, Add	*19.11*	
		For Seal Class A, Add	*40.77*	
		For Work In Restricted Working Space, Add	*38.22*	
23 31 13 13-0576	LF	16" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	80.68
		For Seal Class B, Add	*20.17*	
		For Seal Class A, Add	*43.04*	
		For Work In Restricted Working Space, Add	*40.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0577	LF	16" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.60	84.94
		For Seal Class B, Add	*21.23*	
		For Seal Class A, Add	*45.30*	
		For Work In Restricted Working Space, Add	*42.47*	
23 31 13 13-0578	LF	16" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.04	89.18
		For Seal Class B, Add	*22.30*	
		For Seal Class A, Add	*47.56*	
		For Work In Restricted Working Space, Add	*44.59*	
23 31 13 13-0579	LF	16" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.48	93.43
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.71*	
23 31 13 13-0580	LF	16" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.89	97.68
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.09*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0581	LF	16" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.35	101.93
		For Seal Class B, Add	*25.48*	
		For Seal Class A, Add	*54.36*	
		For Work In Restricted Working Space, Add	*50.96*	
23 31 13 13-0582	LF	16" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.75	106.16
		For Seal Class B, Add	*26.54*	
		For Seal Class A, Add	*56.62*	
		For Work In Restricted Working Space, Add	*53.09*	
23 31 13 13-0583	LF	16" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.19	110.42
		For Seal Class B, Add	*27.60*	
		For Seal Class A, Add	*58.89*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-0584	LF	16" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.63	114.66
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
		For Work In Restricted Working Space, Add	*57.33*	
23 31 13 13-0585	LF	16" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.05	118.91
		For Seal Class B, Add	*29.73*	
		For Seal Class A, Add	*63.42*	
		For Work In Restricted Working Space, Add	*59.46*	
23 31 13 13-0586	LF	16" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.49	123.16
		For Seal Class B, Add	*30.79*	
		For Seal Class A, Add	*65.68*	
		For Work In Restricted Working Space, Add	*61.58*	
23 31 13 13-0587	LF	16" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0588	LF	18" x 18", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	151.75	76.44
		For Seal Class B, Add	*19.11*	
		For Seal Class A, Add	*40.77*	
		For Work In Restricted Working Space, Add	*38.22*	
23 31 13 13-0589	LF	18" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	160.20	80.68
		For Seal Class B, Add	*20.17*	
		For Seal Class A, Add	*43.04*	
		For Work In Restricted Working Space, Add	*40.35*	
23 31 13 13-0590	LF	18" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.60	84.94
		For Seal Class B, Add	*21.23*	
		For Seal Class A, Add	*45.30*	
		For Work In Restricted Working Space, Add	*42.47*	
23 31 13 13-0591	LF	18" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.04	89.18
		For Seal Class B, Add	*22.30*	
		For Seal Class A, Add	*47.56*	
		For Work In Restricted Working Space, Add	*44.59*	
23 31 13 13-0592	LF	18" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.48	93.43
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.71*	
23 31 13 13-0593	LF	18" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.89	97.68
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.09*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0594	LF	18" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.35	101.93
		For Seal Class B, Add	*25.48*	
		For Seal Class A, Add	*54.36*	
		For Work In Restricted Working Space, Add	*50.96*	
23 31 13 13-0595	LF	18" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.75	106.16
		For Seal Class B, Add	*26.54*	
		For Seal Class A, Add	*56.62*	
		For Work In Restricted Working Space, Add	*53.09*	
23 31 13 13-0596	LF	18" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.19	110.42
		For Seal Class B, Add	*27.60*	
		For Seal Class A, Add	*58.89*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-0597	LF	18" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.63	114.66
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
		For Work In Restricted Working Space, Add	*57.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0598	LF	18" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.05	118.91
		For Seal Class B, Add	*29.73*	
		For Seal Class A, Add	*63.42*	
		For Work In Restricted Working Space, Add	*59.46*	
23 31 13 13-0599	LF	18" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.49	123.16
		For Seal Class B, Add	*30.79*	
		For Seal Class A, Add	*65.68*	
		For Work In Restricted Working Space, Add	*61.58*	
23 31 13 13-0600	LF	18" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0601	LF	18" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.34	131.65
		For Seal Class B, Add	*32.91*	
		For Seal Class A, Add	*70.21*	
		For Work In Restricted Working Space, Add	*65.83*	
23 31 13 13-0602	LF	18" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0603	LF	20" x 20", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	168.60	84.94
		For Seal Class B, Add	*21.23*	
		For Seal Class A, Add	*45.30*	
		For Work In Restricted Working Space, Add	*42.47*	
23 31 13 13-0604	LF	20" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	177.04	89.18
		For Seal Class B, Add	*22.30*	
		For Seal Class A, Add	*47.56*	
		For Work In Restricted Working Space, Add	*44.59*	
23 31 13 13-0605	LF	20" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.48	93.43
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.71*	
23 31 13 13-0606	LF	20" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.89	97.68
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.09*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0607	LF	20" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.35	101.93
		For Seal Class B, Add	*25.48*	
		For Seal Class A, Add	*54.36*	
		For Work In Restricted Working Space, Add	*50.96*	
23 31 13 13-0608	LF	20" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.75	106.16
		For Seal Class B, Add	*26.54*	
		For Seal Class A, Add	*56.62*	
		For Work In Restricted Working Space, Add	*53.09*	
23 31 13 13-0609	LF	20" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.19	110.42
		For Seal Class B, Add	*27.60*	
		For Seal Class A, Add	*58.89*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-0610	LF	20" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.63	114.66
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
		For Work In Restricted Working Space, Add	*57.33*	
23 31 13 13-0611	LF	20" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.05	118.91
		For Seal Class B, Add	*29.73*	
		For Seal Class A, Add	*63.42*	
		For Work In Restricted Working Space, Add	*59.46*	
23 31 13 13-0612	LF	20" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.49	123.16
		For Seal Class B, Add	*30.79*	
		For Seal Class A, Add	*65.68*	
		For Work In Restricted Working Space, Add	*61.58*	
23 31 13 13-0613	LF	20" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0614	LF	20" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.34	131.65
		For Seal Class B, Add	*32.91*	
		For Seal Class A, Add	*70.21*	
		For Work In Restricted Working Space, Add	*65.83*	
23 31 13 13-0615	LF	20" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0616	LF	20" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.20	140.14
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.75*	
		For Work In Restricted Working Space, Add	*70.07*	
23 31 13 13-0617	LF	20" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0618	LF	22" x 22", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	185.48	93.43
		For Seal Class B, Add	*23.36*	
		For Seal Class A, Add	*49.83*	
		For Work In Restricted Working Space, Add	*46.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0619	LF	22" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	193.89	97.68
		For Seal Class B, Add	*24.42*	
		For Seal Class A, Add	*52.09*	
		For Work In Restricted Working Space, Add	*48.84*	
23 31 13 13-0620	LF	22" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.35	101.93
		For Seal Class B, Add	*25.48*	
		For Seal Class A, Add	*54.36*	
		For Work In Restricted Working Space, Add	*50.96*	
23 31 13 13-0621	LF	22" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.75	106.16
		For Seal Class B, Add	*26.54*	
		For Seal Class A, Add	*56.62*	
		For Work In Restricted Working Space, Add	*53.09*	
23 31 13 13-0622	LF	22" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.19	110.42
		For Seal Class B, Add	*27.60*	
		For Seal Class A, Add	*58.89*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-0623	LF	22" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.63	114.66
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
		For Work In Restricted Working Space, Add	*57.33*	
23 31 13 13-0624	LF	22" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.05	118.91
		For Seal Class B, Add	*29.73*	
		For Seal Class A, Add	*63.42*	
		For Work In Restricted Working Space, Add	*59.46*	
23 31 13 13-0625	LF	22" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.49	123.16
		For Seal Class B, Add	*30.79*	
		For Seal Class A, Add	*65.68*	
		For Work In Restricted Working Space, Add	*61.58*	
23 31 13 13-0626	LF	22" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0627	LF	22" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.34	131.65
		For Seal Class B, Add	*32.91*	
		For Seal Class A, Add	*70.21*	
		For Work In Restricted Working Space, Add	*65.83*	
23 31 13 13-0628	LF	22" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0629	LF	22" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.20	140.14
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.75*	
		For Work In Restricted Working Space, Add	*70.07*	
23 31 13 13-0630	LF	22" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0631	LF	22" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	295.08	148.64
		For Seal Class B, Add	*37.16*	
		For Seal Class A, Add	*79.27*	
		For Work In Restricted Working Space, Add	*74.32*	
23 31 13 13-0632	LF	24" x 24", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	202.35	101.93
		For Seal Class B, Add	*25.48*	
		For Seal Class A, Add	*54.36*	
		For Work In Restricted Working Space, Add	*50.96*	
23 31 13 13-0633	LF	24" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	210.75	106.16
		For Seal Class B, Add	*26.54*	
		For Seal Class A, Add	*56.62*	
		For Work In Restricted Working Space, Add	*53.09*	
23 31 13 13-0634	LF	24" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.19	110.42
		For Seal Class B, Add	*27.60*	
		For Seal Class A, Add	*58.89*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-0635	LF	24" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.63	114.66
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
		For Work In Restricted Working Space, Add	*57.33*	
23 31 13 13-0636	LF	24" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.05	118.91
		For Seal Class B, Add	*29.73*	
		For Seal Class A, Add	*63.42*	
		For Work In Restricted Working Space, Add	*59.46*	
23 31 13 13-0637	LF	24" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.49	123.16
		For Seal Class B, Add	*30.79*	
		For Seal Class A, Add	*65.68*	
		For Work In Restricted Working Space, Add	*61.58*	
23 31 13 13-0638	LF	24" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0639	LF	24" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.34	131.65
		For Seal Class B, Add	*32.91*	
		For Seal Class A, Add	*70.21*	
		For Work In Restricted Working Space, Add	*65.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0640	LF	24" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0641	LF	24" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.20	140.14
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.75*	
		For Work In Restricted Working Space, Add	*70.07*	
23 31 13 13-0642	LF	24" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0643	LF	24" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	295.08	148.64
		For Seal Class B, Add	*37.16*	
		For Seal Class A, Add	*79.27*	
		For Work In Restricted Working Space, Add	*74.32*	
23 31 13 13-0644	LF	24" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.49	152.89
		For Seal Class B, Add	*38.22*	
		For Seal Class A, Add	*81.54*	
		For Work In Restricted Working Space, Add	*76.44*	
23 31 13 13-0645	LF	26" x 26", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.19	110.42
		For Seal Class B, Add	*27.60*	
		For Seal Class A, Add	*58.89*	
		For Work In Restricted Working Space, Add	*55.21*	
23 31 13 13-0646	LF	26" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	227.63	114.66
		For Seal Class B, Add	*28.67*	
		For Seal Class A, Add	*61.15*	
		For Work In Restricted Working Space, Add	*57.33*	
23 31 13 13-0647	LF	26" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.05	118.91
		For Seal Class B, Add	*29.73*	
		For Seal Class A, Add	*63.42*	
		For Work In Restricted Working Space, Add	*59.46*	
23 31 13 13-0648	LF	26" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.49	123.16
		For Seal Class B, Add	*30.79*	
		For Seal Class A, Add	*65.68*	
		For Work In Restricted Working Space, Add	*61.58*	
23 31 13 13-0649	LF	26" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0650	LF	26" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.34	131.65
		For Seal Class B, Add	*32.91*	
		For Seal Class A, Add	*70.21*	
		For Work In Restricted Working Space, Add	*65.83*	
23 31 13 13-0651	LF	26" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0652	LF	26" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.20	140.14
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.75*	
		For Work In Restricted Working Space, Add	*70.07*	
23 31 13 13-0653	LF	26" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0654	LF	26" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	295.08	148.64
		For Seal Class B, Add	*37.16*	
		For Seal Class A, Add	*79.27*	
		For Work In Restricted Working Space, Add	*74.32*	
23 31 13 13-0655	LF	26" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.49	152.89
		For Seal Class B, Add	*38.22*	
		For Seal Class A, Add	*81.54*	
		For Work In Restricted Working Space, Add	*76.44*	
23 31 13 13-0656	LF	26" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	311.94	157.14
		For Seal Class B, Add	*39.28*	
		For Seal Class A, Add	*83.80*	
		For Work In Restricted Working Space, Add	*78.57*	
23 31 13 13-0657	LF	28" x 28", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	236.05	118.91
		For Seal Class B, Add	*29.73*	
		For Seal Class A, Add	*63.42*	
		For Work In Restricted Working Space, Add	*59.46*	
23 31 13 13-0658	LF	28" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	244.49	123.16
		For Seal Class B, Add	*30.79*	
		For Seal Class A, Add	*65.68*	
		For Work In Restricted Working Space, Add	*61.58*	
23 31 13 13-0659	LF	28" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0660	LF	28" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.34	131.65
		For Seal Class B, Add	*32.91*	
		For Seal Class A, Add	*70.21*	
		For Work In Restricted Working Space, Add	*65.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0661	LF	28" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0662	LF	28" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.20	140.14
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.75*	
		For Work In Restricted Working Space, Add	*70.07*	
23 31 13 13-0663	LF	28" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0664	LF	28" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	295.08	148.64
		For Seal Class B, Add	*37.16*	
		For Seal Class A, Add	*79.27*	
		For Work In Restricted Working Space, Add	*74.32*	
23 31 13 13-0665	LF	28" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.49	152.89
		For Seal Class B, Add	*38.22*	
		For Seal Class A, Add	*81.54*	
		For Work In Restricted Working Space, Add	*76.44*	
23 31 13 13-0666	LF	28" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	311.94	157.14
		For Seal Class B, Add	*39.28*	
		For Seal Class A, Add	*83.80*	
		For Work In Restricted Working Space, Add	*78.57*	
23 31 13 13-0667	LF	28" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.35	161.39
		For Seal Class B, Add	*40.35*	
		For Seal Class A, Add	*86.07*	
		For Work In Restricted Working Space, Add	*80.69*	
23 31 13 13-0668	LF	30" x 30", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.94	127.41
		For Seal Class B, Add	*31.85*	
		For Seal Class A, Add	*67.95*	
		For Work In Restricted Working Space, Add	*63.71*	
23 31 13 13-0669	LF	30" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	261.34	131.65
		For Seal Class B, Add	*32.91*	
		For Seal Class A, Add	*70.21*	
		For Work In Restricted Working Space, Add	*65.83*	
23 31 13 13-0670	LF	30" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0671	LF	30" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.20	140.14
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.75*	
		For Work In Restricted Working Space, Add	*70.07*	
23 31 13 13-0672	LF	30" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0673	LF	30" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	295.08	148.64
		For Seal Class B, Add	*37.16*	
		For Seal Class A, Add	*79.27*	
		For Work In Restricted Working Space, Add	*74.32*	
23 31 13 13-0674	LF	30" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.49	152.89
		For Seal Class B, Add	*38.22*	
		For Seal Class A, Add	*81.54*	
		For Work In Restricted Working Space, Add	*76.44*	
23 31 13 13-0675	LF	30" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	311.94	157.14
		For Seal Class B, Add	*39.28*	
		For Seal Class A, Add	*83.80*	
		For Work In Restricted Working Space, Add	*78.57*	
23 31 13 13-0676	LF	30" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.35	161.39
		For Seal Class B, Add	*40.35*	
		For Seal Class A, Add	*86.07*	
		For Work In Restricted Working Space, Add	*80.69*	
23 31 13 13-0677	LF	30" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.80	165.62
		For Seal Class B, Add	*41.41*	
		For Seal Class A, Add	*88.34*	
		For Work In Restricted Working Space, Add	*82.82*	
23 31 13 13-0678	LF	32" x 32", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	269.79	135.90
		For Seal Class B, Add	*33.98*	
		For Seal Class A, Add	*72.48*	
		For Work In Restricted Working Space, Add	*67.95*	
23 31 13 13-0679	LF	32" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	278.20	140.14
		For Seal Class B, Add	*35.04*	
		For Seal Class A, Add	*74.75*	
		For Work In Restricted Working Space, Add	*70.07*	
23 31 13 13-0680	LF	32" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0681	LF	32" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	295.08	148.64
		For Seal Class B, Add	*37.16*	
		For Seal Class A, Add	*79.27*	
		For Work In Restricted Working Space, Add	*74.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0682	LF	32" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.49	152.89
		For Seal Class B, Add	*38.22*	
		For Seal Class A, Add	*81.54*	
		For Work In Restricted Working Space, Add	*76.44*	
23 31 13 13-0683	LF	32" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	311.94	157.14
		For Seal Class B, Add	*39.28*	
		For Seal Class A, Add	*83.80*	
		For Work In Restricted Working Space, Add	*78.57*	
23 31 13 13-0684	LF	32" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.35	161.39
		For Seal Class B, Add	*40.35*	
		For Seal Class A, Add	*86.07*	
		For Work In Restricted Working Space, Add	*80.69*	
23 31 13 13-0685	LF	32" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.80	165.62
		For Seal Class B, Add	*41.41*	
		For Seal Class A, Add	*88.34*	
		For Work In Restricted Working Space, Add	*82.82*	
23 31 13 13-0686	LF	32" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.24	169.88
		For Seal Class B, Add	*42.47*	
		For Seal Class A, Add	*90.60*	
		For Work In Restricted Working Space, Add	*84.94*	
23 31 13 13-0687	LF	34" x 34", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	286.64	144.40
		For Seal Class B, Add	*36.10*	
		For Seal Class A, Add	*77.01*	
		For Work In Restricted Working Space, Add	*72.20*	
23 31 13 13-0688	LF	34" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	295.08	148.64
		For Seal Class B, Add	*37.16*	
		For Seal Class A, Add	*79.27*	
		For Work In Restricted Working Space, Add	*74.32*	
23 31 13 13-0689	LF	34" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.49	152.89
		For Seal Class B, Add	*38.22*	
		For Seal Class A, Add	*81.54*	
		For Work In Restricted Working Space, Add	*76.44*	
23 31 13 13-0690	LF	34" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	311.94	157.14
		For Seal Class B, Add	*39.28*	
		For Seal Class A, Add	*83.80*	
		For Work In Restricted Working Space, Add	*78.57*	
23 31 13 13-0691	LF	34" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.35	161.39
		For Seal Class B, Add	*40.35*	
		For Seal Class A, Add	*86.07*	
		For Work In Restricted Working Space, Add	*80.69*	
23 31 13 13-0692	LF	34" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.80	165.62
		For Seal Class B, Add	*41.41*	
		For Seal Class A, Add	*88.34*	
		For Work In Restricted Working Space, Add	*82.82*	
23 31 13 13-0693	LF	34" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.24	169.88
		For Seal Class B, Add	*42.47*	
		For Seal Class A, Add	*90.60*	
		For Work In Restricted Working Space, Add	*84.94*	
23 31 13 13-0694	LF	34" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	345.65	174.12
		For Seal Class B, Add	*43.53*	
		For Seal Class A, Add	*92.86*	
		For Work In Restricted Working Space, Add	*87.06*	
23 31 13 13-0695	LF	36" x 36", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	303.49	152.89
		For Seal Class B, Add	*38.22*	
		For Seal Class A, Add	*81.54*	
		For Work In Restricted Working Space, Add	*76.44*	
23 31 13 13-0696	LF	36" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	311.94	157.14
		For Seal Class B, Add	*39.28*	
		For Seal Class A, Add	*83.80*	
		For Work In Restricted Working Space, Add	*78.57*	
23 31 13 13-0697	LF	36" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.35	161.39
		For Seal Class B, Add	*40.35*	
		For Seal Class A, Add	*86.07*	
		For Work In Restricted Working Space, Add	*80.69*	
23 31 13 13-0698	LF	36" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.80	165.62
		For Seal Class B, Add	*41.41*	
		For Seal Class A, Add	*88.34*	
		For Work In Restricted Working Space, Add	*82.82*	
23 31 13 13-0699	LF	36" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.24	169.88
		For Seal Class B, Add	*42.47*	
		For Seal Class A, Add	*90.60*	
		For Work In Restricted Working Space, Add	*84.94*	
23 31 13 13-0700	LF	36" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	345.65	174.12
		For Seal Class B, Add	*43.53*	
		For Seal Class A, Add	*92.86*	
		For Work In Restricted Working Space, Add	*87.06*	
23 31 13 13-0701	LF	36" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	354.09	178.37
		For Seal Class B, Add	*44.59*	
		For Seal Class A, Add	*95.13*	
		For Work In Restricted Working Space, Add	*89.18*	
23 31 13 13-0702	LF	38" x 38", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	320.35	161.39
		For Seal Class B, Add	*40.35*	
		For Seal Class A, Add	*86.07*	
		For Work In Restricted Working Space, Add	*80.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0703	LF	38" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	328.80	165.62
		For Seal Class B, Add	*41.41*	
		For Seal Class A, Add	*88.34*	
		For Work In Restricted Working Space, Add	*82.82*	
23 31 13 13-0704	LF	38" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.24	169.88
		For Seal Class B, Add	*42.47*	
		For Seal Class A, Add	*90.60*	
		For Work In Restricted Working Space, Add	*84.94*	
23 31 13 13-0705	LF	38" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	345.65	174.12
		For Seal Class B, Add	*43.53*	
		For Seal Class A, Add	*92.86*	
		For Work In Restricted Working Space, Add	*87.06*	
23 31 13 13-0706	LF	38" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	354.09	178.37
		For Seal Class B, Add	*44.59*	
		For Seal Class A, Add	*95.13*	
		For Work In Restricted Working Space, Add	*89.18*	
23 31 13 13-0707	LF	38" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.53	182.62
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.40*	
		For Work In Restricted Working Space, Add	*91.31*	
23 31 13 13-0708	LF	38" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.95	186.87
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.66*	
		For Work In Restricted Working Space, Add	*93.43*	
23 31 13 13-0709	LF	40" x 40", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	337.24	169.88
		For Seal Class B, Add	*42.47*	
		For Seal Class A, Add	*90.60*	
		For Work In Restricted Working Space, Add	*84.94*	
23 31 13 13-0710	LF	40" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	345.65	174.12
		For Seal Class B, Add	*43.53*	
		For Seal Class A, Add	*92.86*	
		For Work In Restricted Working Space, Add	*87.06*	
23 31 13 13-0711	LF	40" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	354.09	178.37
		For Seal Class B, Add	*44.59*	
		For Seal Class A, Add	*95.13*	
		For Work In Restricted Working Space, Add	*89.18*	
23 31 13 13-0712	LF	40" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.53	182.62
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.40*	
		For Work In Restricted Working Space, Add	*91.31*	
23 31 13 13-0713	LF	40" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.95	186.87
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.66*	
		For Work In Restricted Working Space, Add	*93.43*	
23 31 13 13-0714	LF	40" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	379.38	191.10
		For Seal Class B, Add	*47.78*	
		For Seal Class A, Add	*101.92*	
		For Work In Restricted Working Space, Add	*95.55*	
23 31 13 13-0715	LF	40" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.80	195.36
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.19*	
		For Work In Restricted Working Space, Add	*97.68*	
23 31 13 13-0716	LF	40" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.23	199.60
		For Seal Class B, Add	*49.90*	
		For Seal Class A, Add	*106.45*	
		For Work In Restricted Working Space, Add	*99.80*	
23 31 13 13-0717	LF	40" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.67	203.85
		For Seal Class B, Add	*50.96*	
		For Seal Class A, Add	*108.72*	
		For Work In Restricted Working Space, Add	*101.92*	
23 31 13 13-0718	LF	42" x 42", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	354.09	178.37
		For Seal Class B, Add	*44.59*	
		For Seal Class A, Add	*95.13*	
		For Work In Restricted Working Space, Add	*89.18*	
23 31 13 13-0719	LF	42" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.53	182.62
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*97.40*	
		For Work In Restricted Working Space, Add	*91.31*	
23 31 13 13-0720	LF	42" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.95	186.87
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.66*	
		For Work In Restricted Working Space, Add	*93.43*	
23 31 13 13-0721	LF	42" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	379.38	191.10
		For Seal Class B, Add	*47.78*	
		For Seal Class A, Add	*101.92*	
		For Work In Restricted Working Space, Add	*95.55*	
23 31 13 13-0722	LF	42" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.80	195.36
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.19*	
		For Work In Restricted Working Space, Add	*97.68*	
23 31 13 13-0723	LF	42" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.23	199.60
		For Seal Class B, Add	*49.90*	
		For Seal Class A, Add	*106.45*	
		For Work In Restricted Working Space, Add	*99.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0724	LF	42" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.67	203.85
		For Seal Class B, Add	*50.96*	
		For Seal Class A, Add	*108.72*	
		For Work In Restricted Working Space, Add	*101.92*	
23 31 13 13-0725	LF	42" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.10	208.10
		For Seal Class B, Add	*52.02*	
		For Seal Class A, Add	*110.99*	
		For Work In Restricted Working Space, Add	*104.05*	
23 31 13 13-0726	LF	44" x 44", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	370.95	186.87
		For Seal Class B, Add	*46.72*	
		For Seal Class A, Add	*99.66*	
		For Work In Restricted Working Space, Add	*93.43*	
23 31 13 13-0727	LF	44" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	379.38	191.10
		For Seal Class B, Add	*47.78*	
		For Seal Class A, Add	*101.92*	
		For Work In Restricted Working Space, Add	*95.55*	
23 31 13 13-0728	LF	44" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.80	195.36
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.19*	
		For Work In Restricted Working Space, Add	*97.68*	
23 31 13 13-0729	LF	44" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.23	199.60
		For Seal Class B, Add	*49.90*	
		For Seal Class A, Add	*106.45*	
		For Work In Restricted Working Space, Add	*99.80*	
23 31 13 13-0730	LF	44" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.67	203.85
		For Seal Class B, Add	*50.96*	
		For Seal Class A, Add	*108.72*	
		For Work In Restricted Working Space, Add	*101.92*	
23 31 13 13-0731	LF	44" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.10	208.10
		For Seal Class B, Add	*52.02*	
		For Seal Class A, Add	*110.99*	
		For Work In Restricted Working Space, Add	*104.05*	
23 31 13 13-0732	LF	44" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.54	212.35
		For Seal Class B, Add	*53.09*	
		For Seal Class A, Add	*113.25*	
		For Work In Restricted Working Space, Add	*106.17*	
23 31 13 13-0733	LF	46" x 46", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	387.80	195.36
		For Seal Class B, Add	*48.84*	
		For Seal Class A, Add	*104.19*	
		For Work In Restricted Working Space, Add	*97.68*	
23 31 13 13-0734	LF	46" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	396.23	199.60
		For Seal Class B, Add	*49.90*	
		For Seal Class A, Add	*106.45*	
		For Work In Restricted Working Space, Add	*99.80*	
23 31 13 13-0735	LF	46" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.67	203.85
		For Seal Class B, Add	*50.96*	
		For Seal Class A, Add	*108.72*	
		For Work In Restricted Working Space, Add	*101.92*	
23 31 13 13-0736	LF	46" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.10	208.10
		For Seal Class B, Add	*52.02*	
		For Seal Class A, Add	*110.99*	
		For Work In Restricted Working Space, Add	*104.05*	
23 31 13 13-0737	LF	46" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.54	212.35
		For Seal Class B, Add	*53.09*	
		For Seal Class A, Add	*113.25*	
		For Work In Restricted Working Space, Add	*106.17*	
23 31 13 13-0738	LF	46" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	437.05	220.85
		For Seal Class B, Add	*55.21*	
		For Seal Class A, Add	*117.78*	
		For Work In Restricted Working Space, Add	*110.42*	
23 31 13 13-0739	LF	46" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	445.47	225.08
		For Seal Class B, Add	*56.27*	
		For Seal Class A, Add	*120.04*	
		For Work In Restricted Working Space, Add	*112.54*	
23 31 13 13-0740	LF	48" x 48", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	404.67	203.85
		For Seal Class B, Add	*50.96*	
		For Seal Class A, Add	*108.72*	
		For Work In Restricted Working Space, Add	*101.92*	
23 31 13 13-0741	LF	48" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	413.10	208.10
		For Seal Class B, Add	*52.02*	
		For Seal Class A, Add	*110.99*	
		For Work In Restricted Working Space, Add	*104.05*	
23 31 13 13-0742	LF	48" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.54	212.35
		For Seal Class B, Add	*53.09*	
		For Seal Class A, Add	*113.25*	
		For Work In Restricted Working Space, Add	*106.17*	
23 31 13 13-0743	LF	48" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	429.98	216.59
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.52*	
		For Work In Restricted Working Space, Add	*108.30*	
23 31 13 13-0744	LF	48" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.39	220.85
		For Seal Class B, Add	*55.21*	
		For Seal Class A, Add	*117.78*	
		For Work In Restricted Working Space, Add	*110.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0745	LF	48" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.83	225.08
		For Seal Class B, Add	*56.27*	
		For Seal Class A, Add	*120.04*	
		For Work In Restricted Working Space, Add	*112.54*	
23 31 13 13-0746	LF	48" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.24	229.33
		For Seal Class B, Add	*57.33*	
		For Seal Class A, Add	*122.31*	
		For Work In Restricted Working Space, Add	*114.66*	
23 31 13 13-0747	LF	50" x 50", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	421.54	212.35
		For Seal Class B, Add	*53.09*	
		For Seal Class A, Add	*113.25*	
		For Work In Restricted Working Space, Add	*106.17*	
23 31 13 13-0748	LF	50" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	429.98	216.59
		For Seal Class B, Add	*54.15*	
		For Seal Class A, Add	*115.52*	
		For Work In Restricted Working Space, Add	*108.30*	
23 31 13 13-0749	LF	50" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.39	220.85
		For Seal Class B, Add	*55.21*	
		For Seal Class A, Add	*117.78*	
		For Work In Restricted Working Space, Add	*110.42*	
23 31 13 13-0750	LF	50" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.83	225.08
		For Seal Class B, Add	*56.27*	
		For Seal Class A, Add	*120.04*	
		For Work In Restricted Working Space, Add	*112.54*	
23 31 13 13-0751	LF	50" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.24	229.33
		For Seal Class B, Add	*57.33*	
		For Seal Class A, Add	*122.31*	
		For Work In Restricted Working Space, Add	*114.66*	
23 31 13 13-0752	LF	50" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.68	233.58
		For Seal Class B, Add	*58.39*	
		For Seal Class A, Add	*124.57*	
		For Work In Restricted Working Space, Add	*116.79*	
23 31 13 13-0753	LF	52" x 52", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	438.39	220.85
		For Seal Class B, Add	*55.21*	
		For Seal Class A, Add	*117.78*	
		For Work In Restricted Working Space, Add	*110.42*	
23 31 13 13-0754	LF	52" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	446.83	225.08
		For Seal Class B, Add	*56.27*	
		For Seal Class A, Add	*120.04*	
		For Work In Restricted Working Space, Add	*112.54*	
23 31 13 13-0755	LF	52" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.24	229.33
		For Seal Class B, Add	*57.33*	
		For Seal Class A, Add	*122.31*	
		For Work In Restricted Working Space, Add	*114.66*	
23 31 13 13-0756	LF	52" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.68	233.58
		For Seal Class B, Add	*58.39*	
		For Seal Class A, Add	*124.57*	
		For Work In Restricted Working Space, Add	*116.79*	
23 31 13 13-0757	LF	52" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	472.13	237.83
		For Seal Class B, Add	*59.46*	
		For Seal Class A, Add	*126.84*	
		For Work In Restricted Working Space, Add	*118.91*	
23 31 13 13-0758	LF	54" x 54", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	455.24	229.33
		For Seal Class B, Add	*57.33*	
		For Seal Class A, Add	*122.31*	
		For Work In Restricted Working Space, Add	*114.66*	
23 31 13 13-0759	LF	54" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	463.68	233.58
		For Seal Class B, Add	*58.39*	
		For Seal Class A, Add	*124.57*	
		For Work In Restricted Working Space, Add	*116.79*	
23 31 13 13-0760	LF	54" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	472.13	237.83
		For Seal Class B, Add	*59.46*	
		For Seal Class A, Add	*126.84*	
		For Work In Restricted Working Space, Add	*118.91*	
23 31 13 13-0761	LF	54" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.54	242.07
		For Seal Class B, Add	*60.52*	
		For Seal Class A, Add	*129.10*	
		For Work In Restricted Working Space, Add	*121.04*	
23 31 13 13-0762	LF	54" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	488.98	246.32
		For Seal Class B, Add	*61.58*	
		For Seal Class A, Add	*131.37*	
		For Work In Restricted Working Space, Add	*123.16*	
23 31 13 13-0763	LF	54" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	497.39	250.56
		For Seal Class B, Add	*62.64*	
		For Seal Class A, Add	*133.63*	
		For Work In Restricted Working Space, Add	*125.28*	
23 31 13 13-0764	LF	56" x 56", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	472.13	237.83
		For Seal Class B, Add	*59.46*	
		For Seal Class A, Add	*126.84*	
		For Work In Restricted Working Space, Add	*118.91*	
23 31 13 13-0765	LF	56" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	480.54	242.07
		For Seal Class B, Add	*60.52*	
		For Seal Class A, Add	*129.10*	
		For Work In Restricted Working Space, Add	*121.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0766	LF	56" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	488.98	246.32
		For Seal Class B, Add	*61.58*	
		For Seal Class A, Add	*131.37*	
		For Work In Restricted Working Space, Add	*123.16*	
23 31 13 13-0767	LF	56" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	497.39	250.56
		For Seal Class B, Add	*62.64*	
		For Seal Class A, Add	*133.63*	
		For Work In Restricted Working Space, Add	*125.28*	
23 31 13 13-0768	LF	56" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	505.84	254.80
		For Seal Class B, Add	*63.70*	
		For Seal Class A, Add	*135.90*	
		For Work In Restricted Working Space, Add	*127.41*	
23 31 13 13-0769	LF	58" x 58", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	488.98	246.32
		For Seal Class B, Add	*61.58*	
		For Seal Class A, Add	*131.37*	
		For Work In Restricted Working Space, Add	*123.16*	
23 31 13 13-0770	LF	58" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	497.39	250.56
		For Seal Class B, Add	*62.64*	
		For Seal Class A, Add	*133.63*	
		For Work In Restricted Working Space, Add	*125.28*	
23 31 13 13-0771	LF	58" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	505.84	254.80
		For Seal Class B, Add	*63.70*	
		For Seal Class A, Add	*135.90*	
		For Work In Restricted Working Space, Add	*127.41*	
23 31 13 13-0772	LF	58" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	514.27	259.06
		For Seal Class B, Add	*64.76*	
		For Seal Class A, Add	*138.16*	
		For Work In Restricted Working Space, Add	*129.53*	
23 31 13 13-0773	LF	58" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.69	263.30
		For Seal Class B, Add	*65.83*	
		For Seal Class A, Add	*140.43*	
		For Work In Restricted Working Space, Add	*131.65*	
23 31 13 13-0774	LF	60" x 60", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	505.84	254.80
		For Seal Class B, Add	*63.70*	
		For Seal Class A, Add	*135.90*	
		For Work In Restricted Working Space, Add	*127.41*	
23 31 13 13-0775	LF	60" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	514.27	259.06
		For Seal Class B, Add	*64.76*	
		For Seal Class A, Add	*138.16*	
		For Work In Restricted Working Space, Add	*129.53*	
23 31 13 13-0776	LF	60" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.69	263.30
		For Seal Class B, Add	*65.83*	
		For Seal Class A, Add	*140.43*	
		For Work In Restricted Working Space, Add	*131.65*	
23 31 13 13-0777	LF	60" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.14	267.55
		For Seal Class B, Add	*66.89*	
		For Seal Class A, Add	*142.70*	
		For Work In Restricted Working Space, Add	*133.78*	
23 31 13 13-0778	LF	60" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.57	271.80
		For Seal Class B, Add	*67.95*	
		For Seal Class A, Add	*144.96*	
		For Work In Restricted Working Space, Add	*135.90*	
23 31 13 13-0779	LF	62" x 62", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	522.69	263.30
		For Seal Class B, Add	*65.83*	
		For Seal Class A, Add	*140.43*	
		For Work In Restricted Working Space, Add	*131.65*	
23 31 13 13-0780	LF	62" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	531.14	267.55
		For Seal Class B, Add	*66.89*	
		For Seal Class A, Add	*142.70*	
		For Work In Restricted Working Space, Add	*133.78*	
23 31 13 13-0781	LF	62" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.57	271.80
		For Seal Class B, Add	*67.95*	
		For Seal Class A, Add	*144.96*	
		For Work In Restricted Working Space, Add	*135.90*	
23 31 13 13-0782	LF	62" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.99	276.05
		For Seal Class B, Add	*69.01*	
		For Seal Class A, Add	*147.23*	
		For Work In Restricted Working Space, Add	*138.02*	
23 31 13 13-0783	LF	62" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.42	280.28
		For Seal Class B, Add	*70.07*	
		For Seal Class A, Add	*149.49*	
		For Work In Restricted Working Space, Add	*140.15*	
23 31 13 13-0784	LF	64" x 64", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	539.57	271.80
		For Seal Class B, Add	*67.95*	
		For Seal Class A, Add	*144.96*	
		For Work In Restricted Working Space, Add	*135.90*	
23 31 13 13-0785	LF	64" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	547.99	276.05
		For Seal Class B, Add	*69.01*	
		For Seal Class A, Add	*147.23*	
		For Work In Restricted Working Space, Add	*138.02*	
23 31 13 13-0786	LF	64" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.42	280.28
		For Seal Class B, Add	*70.07*	
		For Seal Class A, Add	*149.49*	
		For Work In Restricted Working Space, Add	*140.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0787	LF	64" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	564.84	284.54
		For Seal Class B, Add	*71.13*	
		For Seal Class A, Add	*151.75*	
		For Work In Restricted Working Space, Add	*142.27*	
23 31 13 13-0788	LF	66" x 66", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	556.42	280.28
		For Seal Class B, Add	*70.07*	
		For Seal Class A, Add	*149.49*	
		For Work In Restricted Working Space, Add	*140.15*	
23 31 13 13-0789	LF	66" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	564.84	284.54
		For Seal Class B, Add	*71.13*	
		For Seal Class A, Add	*151.75*	
		For Work In Restricted Working Space, Add	*142.27*	
23 31 13 13-0790	LF	66" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	573.27	288.78
		For Seal Class B, Add	*72.20*	
		For Seal Class A, Add	*154.02*	
		For Work In Restricted Working Space, Add	*144.39*	
23 31 13 13-0791	LF	66" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.72	293.03
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.28*	
		For Work In Restricted Working Space, Add	*146.51*	
23 31 13 13-0792	LF	68" x 68", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	573.27	288.78
		For Seal Class B, Add	*72.20*	
		For Seal Class A, Add	*154.02*	
		For Work In Restricted Working Space, Add	*144.39*	
23 31 13 13-0793	LF	68" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.72	293.03
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.28*	
		For Work In Restricted Working Space, Add	*146.51*	
23 31 13 13-0794	LF	68" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	590.14	297.28
		For Seal Class B, Add	*74.32*	
		For Seal Class A, Add	*158.55*	
		For Work In Restricted Working Space, Add	*148.64*	
23 31 13 13-0795	LF	68" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.58	301.53
		For Seal Class B, Add	*75.38*	
		For Seal Class A, Add	*160.82*	
		For Work In Restricted Working Space, Add	*150.77*	
23 31 13 13-0796	LF	70" x 70", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	590.14	297.28
		For Seal Class B, Add	*74.32*	
		For Seal Class A, Add	*158.55*	
		For Work In Restricted Working Space, Add	*148.64*	
23 31 13 13-0797	LF	70" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	598.58	301.53
		For Seal Class B, Add	*75.38*	
		For Seal Class A, Add	*160.82*	
		For Work In Restricted Working Space, Add	*150.77*	
23 31 13 13-0798	LF	70" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	607.03	305.77
		For Seal Class B, Add	*76.44*	
		For Seal Class A, Add	*163.08*	
		For Work In Restricted Working Space, Add	*152.89*	
23 31 13 13-0799	LF	70" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	615.43	310.02
		For Seal Class B, Add	*77.51*	
		For Seal Class A, Add	*165.34*	
		For Work In Restricted Working Space, Add	*155.01*	
23 31 13 13-0800	LF	70" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	623.88	314.26
		For Seal Class B, Add	*78.57*	
		For Seal Class A, Add	*167.61*	
		For Work In Restricted Working Space, Add	*157.13*	
23 31 13 13-0801	LF	70" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	632.28	318.51
		For Seal Class B, Add	*79.63*	
		For Seal Class A, Add	*169.87*	
		For Work In Restricted Working Space, Add	*159.26*	
23 31 13 13-0802	LF	70" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.73	322.76
		For Seal Class B, Add	*80.69*	
		For Seal Class A, Add	*172.14*	
		For Work In Restricted Working Space, Add	*161.38*	
23 31 13 13-0803	LF	70" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.17	327.01
		For Seal Class B, Add	*81.75*	
		For Seal Class A, Add	*174.40*	
		For Work In Restricted Working Space, Add	*163.50*	
23 31 13 13-0804	LF	72" x 72", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	607.03	305.77
		For Seal Class B, Add	*76.44*	
		For Seal Class A, Add	*163.08*	
		For Work In Restricted Working Space, Add	*152.89*	
23 31 13 13-0805	LF	72" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	615.43	310.02
		For Seal Class B, Add	*77.51*	
		For Seal Class A, Add	*165.34*	
		For Work In Restricted Working Space, Add	*155.01*	
23 31 13 13-0806	LF	72" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	623.88	314.26
		For Seal Class B, Add	*78.57*	
		For Seal Class A, Add	*167.61*	
		For Work In Restricted Working Space, Add	*157.13*	
23 31 13 13-0807	LF	72" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	632.28	318.51
		For Seal Class B, Add	*79.63*	
		For Seal Class A, Add	*169.87*	
		For Work In Restricted Working Space, Add	*159.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0808	LF	72" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.73	322.76
		For Seal Class B, Add	*80.69*	
		For Seal Class A, Add	*172.14*	
		For Work In Restricted Working Space, Add	*161.38*	
23 31 13 13-0809	LF	72" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.17	327.01
		For Seal Class B, Add	*81.75*	
		For Seal Class A, Add	*174.40*	
		For Work In Restricted Working Space, Add	*163.50*	
23 31 13 13-0810	LF	72" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.58	331.25
		For Seal Class B, Add	*82.81*	
		For Seal Class A, Add	*176.67*	
		For Work In Restricted Working Space, Add	*165.63*	
23 31 13 13-0811	LF	74" x 74", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	623.88	314.26
		For Seal Class B, Add	*78.57*	
		For Seal Class A, Add	*167.61*	
		For Work In Restricted Working Space, Add	*157.13*	
23 31 13 13-0812	LF	74" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	632.28	318.51
		For Seal Class B, Add	*79.63*	
		For Seal Class A, Add	*169.87*	
		For Work In Restricted Working Space, Add	*159.26*	
23 31 13 13-0813	LF	74" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.73	322.76
		For Seal Class B, Add	*80.69*	
		For Seal Class A, Add	*172.14*	
		For Work In Restricted Working Space, Add	*161.38*	
23 31 13 13-0814	LF	74" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.17	327.01
		For Seal Class B, Add	*81.75*	
		For Seal Class A, Add	*174.40*	
		For Work In Restricted Working Space, Add	*163.50*	
23 31 13 13-0815	LF	74" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.58	331.25
		For Seal Class B, Add	*82.81*	
		For Seal Class A, Add	*176.67*	
		For Work In Restricted Working Space, Add	*165.63*	
23 31 13 13-0816	LF	74" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.03	335.51
		For Seal Class B, Add	*83.88*	
		For Seal Class A, Add	*178.93*	
		For Work In Restricted Working Space, Add	*167.75*	
23 31 13 13-0817	LF	76" x 76", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	640.73	322.76
		For Seal Class B, Add	*80.69*	
		For Seal Class A, Add	*172.14*	
		For Work In Restricted Working Space, Add	*161.38*	
23 31 13 13-0818	LF	76" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	649.17	327.01
		For Seal Class B, Add	*81.75*	
		For Seal Class A, Add	*174.40*	
		For Work In Restricted Working Space, Add	*163.50*	
23 31 13 13-0819	LF	76" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.58	331.25
		For Seal Class B, Add	*82.81*	
		For Seal Class A, Add	*176.67*	
		For Work In Restricted Working Space, Add	*165.63*	
23 31 13 13-0820	LF	76" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.03	335.51
		For Seal Class B, Add	*83.88*	
		For Seal Class A, Add	*178.93*	
		For Work In Restricted Working Space, Add	*167.75*	
23 31 13 13-0821	LF	76" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	674.43	339.74
		For Seal Class B, Add	*84.94*	
		For Seal Class A, Add	*181.20*	
		For Work In Restricted Working Space, Add	*169.87*	
23 31 13 13-0822	LF	78" x 78", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	657.58	331.25
		For Seal Class B, Add	*82.81*	
		For Seal Class A, Add	*176.67*	
		For Work In Restricted Working Space, Add	*165.63*	
23 31 13 13-0823	LF	78" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	666.03	335.51
		For Seal Class B, Add	*83.88*	
		For Seal Class A, Add	*178.93*	
		For Work In Restricted Working Space, Add	*167.75*	
23 31 13 13-0824	LF	78" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	674.43	339.74
		For Seal Class B, Add	*84.94*	
		For Seal Class A, Add	*181.20*	
		For Work In Restricted Working Space, Add	*169.87*	
23 31 13 13-0825	LF	78" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	682.87	343.99
		For Seal Class B, Add	*86.00*	
		For Seal Class A, Add	*183.46*	
		For Work In Restricted Working Space, Add	*172.00*	
23 31 13 13-0826	LF	80" x 80", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	674.43	339.74
		For Seal Class B, Add	*84.94*	
		For Seal Class A, Add	*181.20*	
		For Work In Restricted Working Space, Add	*169.87*	
23 31 13 13-0827	LF	80" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	682.87	343.99
		For Seal Class B, Add	*86.00*	
		For Seal Class A, Add	*183.46*	
		For Work In Restricted Working Space, Add	*172.00*	
23 31 13 13-0828	LF	80" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.32	348.24
		For Seal Class B, Add	*87.06*	
		For Seal Class A, Add	*185.73*	
		For Work In Restricted Working Space, Add	*174.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0829	LF	82" x 82", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.32	348.24
		For Seal Class B, Add	*87.06*	
		For Seal Class A, Add	*185.73*	
		For Work In Restricted Working Space, Add	*174.12*	
23 31 13 13-0830	LF	82" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	699.74	352.49
		For Seal Class B, Add	*88.12*	
		For Seal Class A, Add	*188.00*	
		For Work In Restricted Working Space, Add	*176.25*	
23 31 13 13-0831	LF	84" x 84", 20 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	708.18	356.73
		For Seal Class B, Add	*89.18*	
		For Seal Class A, Add	*190.26*	
		For Work In Restricted Working Space, Add	*178.37*	
23 31 13 13-0832		**18 Gauge Galvanized Steel Metal Ductwork** *(23 31 13 13-0014)*		
		Note: Seal Class C		
23 31 13 13-0833	LF	4" x 4", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	43.92	22.11
		For Seal Class B, Add	*5.53*	
		For Seal Class A, Add	*11.80*	
		For Work In Restricted Working Space, Add	*11.06*	
23 31 13 13-0834	LF	4" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	54.88	27.64
		For Seal Class B, Add	*6.91*	
		For Seal Class A, Add	*14.75*	
		For Work In Restricted Working Space, Add	*13.82*	
23 31 13 13-0835	LF	4" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.85	33.18
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0836	LF	4" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.83	38.70
		For Seal Class B, Add	*9.68*	
		For Seal Class A, Add	*20.64*	
		For Work In Restricted Working Space, Add	*19.35*	
23 31 13 13-0837	LF	4" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.82	44.24
		For Seal Class B, Add	*11.06*	
		For Seal Class A, Add	*23.59*	
		For Work In Restricted Working Space, Add	*22.12*	
23 31 13 13-0838	LF	4" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.78	49.76
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0839	LF	4" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.76	55.29
		For Seal Class B, Add	*13.82*	
		For Seal Class A, Add	*29.49*	
		For Work In Restricted Working Space, Add	*27.65*	
23 31 13 13-0840	LF	6" x 6", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	65.85	33.18
		For Seal Class B, Add	*8.29*	
		For Seal Class A, Add	*17.69*	
		For Work In Restricted Working Space, Add	*16.59*	
23 31 13 13-0841	LF	6" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	76.83	38.70
		For Seal Class B, Add	*9.68*	
		For Seal Class A, Add	*20.64*	
		For Work In Restricted Working Space, Add	*19.35*	
23 31 13 13-0842	LF	6" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.82	44.24
		For Seal Class B, Add	*11.06*	
		For Seal Class A, Add	*23.59*	
		For Work In Restricted Working Space, Add	*22.12*	
23 31 13 13-0843	LF	6" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.78	49.76
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0844	LF	6" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.76	55.29
		For Seal Class B, Add	*13.82*	
		For Seal Class A, Add	*29.49*	
		For Work In Restricted Working Space, Add	*27.65*	
23 31 13 13-0845	LF	6" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.73	60.82
		For Seal Class B, Add	*15.21*	
		For Seal Class A, Add	*32.44*	
		For Work In Restricted Working Space, Add	*30.41*	
23 31 13 13-0846	LF	8" x 8", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	87.82	44.24
		For Seal Class B, Add	*11.06*	
		For Seal Class A, Add	*23.59*	
		For Work In Restricted Working Space, Add	*22.12*	
23 31 13 13-0847	LF	8" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	98.78	49.76
		For Seal Class B, Add	*12.44*	
		For Seal Class A, Add	*26.54*	
		For Work In Restricted Working Space, Add	*24.88*	
23 31 13 13-0848	LF	8" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.76	55.29
		For Seal Class B, Add	*13.82*	
		For Seal Class A, Add	*29.49*	
		For Work In Restricted Working Space, Add	*27.65*	
23 31 13 13-0849	LF	8" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.73	60.82
		For Seal Class B, Add	*15.21*	
		For Seal Class A, Add	*32.44*	
		For Work In Restricted Working Space, Add	*30.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0850	LF	8" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.70	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0851	LF	8" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.70	71.87
		For Seal Class B, Add	*17.97*	
		For Seal Class A, Add	*38.34*	
		For Work In Restricted Working Space, Add	*35.94*	
23 31 13 13-0852	LF	8" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.67	77.41
		For Seal Class B, Add	*19.35*	
		For Seal Class A, Add	*41.28*	
		For Work In Restricted Working Space, Add	*38.70*	
23 31 13 13-0853	LF	8" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.64	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0854	LF	8" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.61	88.47
		For Seal Class B, Add	*22.12*	
		For Seal Class A, Add	*47.18*	
		For Work In Restricted Working Space, Add	*44.23*	
23 31 13 13-0855	LF	10" x 10", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	109.76	55.29
		For Seal Class B, Add	*13.82*	
		For Seal Class A, Add	*29.49*	
		For Work In Restricted Working Space, Add	*27.65*	
23 31 13 13-0856	LF	10" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	120.73	60.82
		For Seal Class B, Add	*15.21*	
		For Seal Class A, Add	*32.44*	
		For Work In Restricted Working Space, Add	*30.41*	
23 31 13 13-0857	LF	10" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.70	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0858	LF	10" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.70	71.87
		For Seal Class B, Add	*17.97*	
		For Seal Class A, Add	*38.34*	
		For Work In Restricted Working Space, Add	*35.94*	
23 31 13 13-0859	LF	10" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.67	77.41
		For Seal Class B, Add	*19.35*	
		For Seal Class A, Add	*41.28*	
		For Work In Restricted Working Space, Add	*38.70*	
23 31 13 13-0860	LF	10" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.64	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0861	LF	10" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.61	88.47
		For Seal Class B, Add	*22.12*	
		For Seal Class A, Add	*47.18*	
		For Work In Restricted Working Space, Add	*44.23*	
23 31 13 13-0862	LF	10" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.58	94.00
		For Seal Class B, Add	*23.50*	
		For Seal Class A, Add	*50.13*	
		For Work In Restricted Working Space, Add	*47.00*	
23 31 13 13-0863	LF	10" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.58	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0864	LF	10" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.55	105.06
		For Seal Class B, Add	*26.26*	
		For Seal Class A, Add	*56.03*	
		For Work In Restricted Working Space, Add	*52.53*	
23 31 13 13-0865	LF	10" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.52	110.58
		For Seal Class B, Add	*27.65*	
		For Seal Class A, Add	*58.98*	
		For Work In Restricted Working Space, Add	*55.29*	
23 31 13 13-0866	LF	10" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	230.49	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0867	LF	12" x 12", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	131.70	66.35
		For Seal Class B, Add	*16.59*	
		For Seal Class A, Add	*35.39*	
		For Work In Restricted Working Space, Add	*33.17*	
23 31 13 13-0868	LF	12" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	142.70	71.87
		For Seal Class B, Add	*17.97*	
		For Seal Class A, Add	*38.34*	
		For Work In Restricted Working Space, Add	*35.94*	
23 31 13 13-0869	LF	12" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.67	77.41
		For Seal Class B, Add	*19.35*	
		For Seal Class A, Add	*41.28*	
		For Work In Restricted Working Space, Add	*38.70*	
23 31 13 13-0870	LF	12" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.64	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0871	LF	12" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.61	88.47
		For Seal Class B, Add	*22.12*	
		For Seal Class A, Add	*47.18*	
		For Work In Restricted Working Space, Add	*44.23*	
23 31 13 13-0872	LF	12" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.58	94.00
		For Seal Class B, Add	*23.50*	
		For Seal Class A, Add	*50.13*	
		For Work In Restricted Working Space, Add	*47.00*	
23 31 13 13-0873	LF	12" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.58	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0874	LF	12" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.55	105.06
		For Seal Class B, Add	*26.26*	
		For Seal Class A, Add	*56.03*	
		For Work In Restricted Working Space, Add	*52.53*	
23 31 13 13-0875	LF	12" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.52	110.58
		For Seal Class B, Add	*27.65*	
		For Seal Class A, Add	*58.98*	
		For Work In Restricted Working Space, Add	*55.29*	
23 31 13 13-0876	LF	12" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	230.49	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0877	LF	12" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.46	121.64
		For Seal Class B, Add	*30.41*	
		For Seal Class A, Add	*64.87*	
		For Work In Restricted Working Space, Add	*60.82*	
23 31 13 13-0878	LF	12" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.46	127.17
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.82*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0879	LF	12" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.44	132.69
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0880	LF	14" x 14", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	153.67	77.41
		For Seal Class B, Add	*19.35*	
		For Seal Class A, Add	*41.28*	
		For Work In Restricted Working Space, Add	*38.70*	
23 31 13 13-0881	LF	14" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	164.64	82.93
		For Seal Class B, Add	*20.73*	
		For Seal Class A, Add	*44.23*	
		For Work In Restricted Working Space, Add	*41.47*	
23 31 13 13-0882	LF	14" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.61	88.47
		For Seal Class B, Add	*22.12*	
		For Seal Class A, Add	*47.18*	
		For Work In Restricted Working Space, Add	*44.23*	
23 31 13 13-0883	LF	14" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.58	94.00
		For Seal Class B, Add	*23.50*	
		For Seal Class A, Add	*50.13*	
		For Work In Restricted Working Space, Add	*47.00*	
23 31 13 13-0884	LF	14" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.58	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0885	LF	14" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.55	105.06
		For Seal Class B, Add	*26.26*	
		For Seal Class A, Add	*56.03*	
		For Work In Restricted Working Space, Add	*52.53*	
23 31 13 13-0886	LF	14" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.52	110.58
		For Seal Class B, Add	*27.65*	
		For Seal Class A, Add	*58.98*	
		For Work In Restricted Working Space, Add	*55.29*	
23 31 13 13-0887	LF	14" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	230.49	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0888	LF	14" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.46	121.64
		For Seal Class B, Add	*30.41*	
		For Seal Class A, Add	*64.87*	
		For Work In Restricted Working Space, Add	*60.82*	
23 31 13 13-0889	LF	14" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.46	127.17
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.82*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0890	LF	14" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.44	132.69
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0891	LF	14" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.40	138.23
		For Seal Class B, Add	*34.56*	
		For Seal Class A, Add	*73.72*	
		For Work In Restricted Working Space, Add	*69.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0892	LF	16" x 16", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	175.61	88.47
		For Seal Class B, Add	*22.12*	
		For Seal Class A, Add	*47.18*	
		For Work In Restricted Working Space, Add	*44.23*	
23 31 13 13-0893	LF	16" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	186.58	94.00
		For Seal Class B, Add	*23.50*	
		For Seal Class A, Add	*50.13*	
		For Work In Restricted Working Space, Add	*47.00*	
23 31 13 13-0894	LF	16" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.58	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0895	LF	16" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.55	105.06
		For Seal Class B, Add	*26.26*	
		For Seal Class A, Add	*56.03*	
		For Work In Restricted Working Space, Add	*52.53*	
23 31 13 13-0896	LF	16" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.52	110.58
		For Seal Class B, Add	*27.65*	
		For Seal Class A, Add	*58.98*	
		For Work In Restricted Working Space, Add	*55.29*	
23 31 13 13-0897	LF	16" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	230.49	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0898	LF	16" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.46	121.64
		For Seal Class B, Add	*30.41*	
		For Seal Class A, Add	*64.87*	
		For Work In Restricted Working Space, Add	*60.82*	
23 31 13 13-0899	LF	16" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.46	127.17
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.82*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0900	LF	16" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.44	132.69
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0901	LF	16" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.40	138.23
		For Seal Class B, Add	*34.56*	
		For Seal Class A, Add	*73.72*	
		For Work In Restricted Working Space, Add	*69.11*	
23 31 13 13-0902	LF	16" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.37	143.75
		For Seal Class B, Add	*35.94*	
		For Seal Class A, Add	*76.67*	
		For Work In Restricted Working Space, Add	*71.88*	
23 31 13 13-0903	LF	16" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.34	149.28
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0904	LF	16" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.33	154.82
		For Seal Class B, Add	*38.70*	
		For Seal Class A, Add	*82.57*	
		For Work In Restricted Working Space, Add	*77.41*	
23 31 13 13-0905	LF	16" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.31	160.35
		For Seal Class B, Add	*40.09*	
		For Seal Class A, Add	*85.52*	
		For Work In Restricted Working Space, Add	*80.17*	
23 31 13 13-0906	LF	16" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0907	LF	18" x 18", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	197.58	99.53
		For Seal Class B, Add	*24.88*	
		For Seal Class A, Add	*53.08*	
		For Work In Restricted Working Space, Add	*49.76*	
23 31 13 13-0908	LF	18" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	208.55	105.06
		For Seal Class B, Add	*26.26*	
		For Seal Class A, Add	*56.03*	
		For Work In Restricted Working Space, Add	*52.53*	
23 31 13 13-0909	LF	18" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.52	110.58
		For Seal Class B, Add	*27.65*	
		For Seal Class A, Add	*58.98*	
		For Work In Restricted Working Space, Add	*55.29*	
23 31 13 13-0910	LF	18" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	230.49	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0911	LF	18" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.46	121.64
		For Seal Class B, Add	*30.41*	
		For Seal Class A, Add	*64.87*	
		For Work In Restricted Working Space, Add	*60.82*	
23 31 13 13-0912	LF	18" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.46	127.17
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.82*	
		For Work In Restricted Working Space, Add	*63.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0913	LF	18" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.44	132.69
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0914	LF	18" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.40	138.23
		For Seal Class B, Add	*34.56*	
		For Seal Class A, Add	*73.72*	
		For Work In Restricted Working Space, Add	*69.11*	
23 31 13 13-0915	LF	18" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.37	143.75
		For Seal Class B, Add	*35.94*	
		For Seal Class A, Add	*76.67*	
		For Work In Restricted Working Space, Add	*71.88*	
23 31 13 13-0916	LF	18" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.34	149.28
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0917	LF	18" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.33	154.82
		For Seal Class B, Add	*38.70*	
		For Seal Class A, Add	*82.57*	
		For Work In Restricted Working Space, Add	*77.41*	
23 31 13 13-0918	LF	18" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.31	160.35
		For Seal Class B, Add	*40.09*	
		For Seal Class A, Add	*85.52*	
		For Work In Restricted Working Space, Add	*80.17*	
23 31 13 13-0919	LF	18" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0920	LF	18" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.26	171.41
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.42*	
		For Work In Restricted Working Space, Add	*85.70*	
23 31 13 13-0921	LF	18" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0922	LF	20" x 20", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	219.52	110.58
		For Seal Class B, Add	*27.65*	
		For Seal Class A, Add	*58.98*	
		For Work In Restricted Working Space, Add	*55.29*	
23 31 13 13-0923	LF	20" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	230.49	116.11
		For Seal Class B, Add	*29.03*	
		For Seal Class A, Add	*61.93*	
		For Work In Restricted Working Space, Add	*58.06*	
23 31 13 13-0924	LF	20" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.46	121.64
		For Seal Class B, Add	*30.41*	
		For Seal Class A, Add	*64.87*	
		For Work In Restricted Working Space, Add	*60.82*	
23 31 13 13-0925	LF	20" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.46	127.17
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.82*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0926	LF	20" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.44	132.69
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0927	LF	20" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.40	138.23
		For Seal Class B, Add	*34.56*	
		For Seal Class A, Add	*73.72*	
		For Work In Restricted Working Space, Add	*69.11*	
23 31 13 13-0928	LF	20" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.37	143.75
		For Seal Class B, Add	*35.94*	
		For Seal Class A, Add	*76.67*	
		For Work In Restricted Working Space, Add	*71.88*	
23 31 13 13-0929	LF	20" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.34	149.28
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0930	LF	20" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.33	154.82
		For Seal Class B, Add	*38.70*	
		For Seal Class A, Add	*82.57*	
		For Work In Restricted Working Space, Add	*77.41*	
23 31 13 13-0931	LF	20" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.31	160.35
		For Seal Class B, Add	*40.09*	
		For Seal Class A, Add	*85.52*	
		For Work In Restricted Working Space, Add	*80.17*	
23 31 13 13-0932	LF	20" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0933	LF	20" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.26	171.41
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.42*	
		For Work In Restricted Working Space, Add	*85.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0934	LF	20" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0935	LF	20" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.22	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.31*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0936	LF	20" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-0937	LF	22" x 22", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	241.46	121.64
		For Seal Class B, Add	*30.41*	
		For Seal Class A, Add	*64.87*	
		For Work In Restricted Working Space, Add	*60.82*	
23 31 13 13-0938	LF	22" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	252.46	127.17
		For Seal Class B, Add	*31.79*	
		For Seal Class A, Add	*67.82*	
		For Work In Restricted Working Space, Add	*63.59*	
23 31 13 13-0939	LF	22" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.44	132.69
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0940	LF	22" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.40	138.23
		For Seal Class B, Add	*34.56*	
		For Seal Class A, Add	*73.72*	
		For Work In Restricted Working Space, Add	*69.11*	
23 31 13 13-0941	LF	22" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.37	143.75
		For Seal Class B, Add	*35.94*	
		For Seal Class A, Add	*76.67*	
		For Work In Restricted Working Space, Add	*71.88*	
23 31 13 13-0942	LF	22" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.34	149.28
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0943	LF	22" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.33	154.82
		For Seal Class B, Add	*38.70*	
		For Seal Class A, Add	*82.57*	
		For Work In Restricted Working Space, Add	*77.41*	
23 31 13 13-0944	LF	22" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.31	160.35
		For Seal Class B, Add	*40.09*	
		For Seal Class A, Add	*85.52*	
		For Work In Restricted Working Space, Add	*80.17*	
23 31 13 13-0945	LF	22" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0946	LF	22" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.26	171.41
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.42*	
		For Work In Restricted Working Space, Add	*85.70*	
23 31 13 13-0947	LF	22" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0948	LF	22" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.22	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.31*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0949	LF	22" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-0950	LF	22" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	384.16	193.52
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*103.21*	
		For Work In Restricted Working Space, Add	*96.76*	
23 31 13 13-0951	LF	24" x 24", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	263.44	132.69
		For Seal Class B, Add	*33.18*	
		For Seal Class A, Add	*70.77*	
		For Work In Restricted Working Space, Add	*66.35*	
23 31 13 13-0952	LF	24" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	274.40	138.23
		For Seal Class B, Add	*34.56*	
		For Seal Class A, Add	*73.72*	
		For Work In Restricted Working Space, Add	*69.11*	
23 31 13 13-0953	LF	24" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.37	143.75
		For Seal Class B, Add	*35.94*	
		For Seal Class A, Add	*76.67*	
		For Work In Restricted Working Space, Add	*71.88*	
23 31 13 13-0954	LF	24" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.34	149.28
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0955	LF	24" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.33	154.82
		For Seal Class B, Add	*38.70*	
		For Seal Class A, Add	*82.57*	
		For Work In Restricted Working Space, Add	*77.41*	
23 31 13 13-0956	LF	24" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.31	160.35
		For Seal Class B, Add	*40.09*	
		For Seal Class A, Add	*85.52*	
		For Work In Restricted Working Space, Add	*80.17*	
23 31 13 13-0957	LF	24" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0958	LF	24" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.26	171.41
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.42*	
		For Work In Restricted Working Space, Add	*85.70*	
23 31 13 13-0959	LF	24" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0960	LF	24" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.22	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.31*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0961	LF	24" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-0962	LF	24" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	384.16	193.52
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*103.21*	
		For Work In Restricted Working Space, Add	*96.76*	
23 31 13 13-0963	LF	24" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.13	199.04
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.52*	
23 31 13 13-0964	LF	26" x 26", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	285.37	143.75
		For Seal Class B, Add	*35.94*	
		For Seal Class A, Add	*76.67*	
		For Work In Restricted Working Space, Add	*71.88*	
23 31 13 13-0965	LF	26" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	296.34	149.28
		For Seal Class B, Add	*37.32*	
		For Seal Class A, Add	*79.62*	
		For Work In Restricted Working Space, Add	*74.64*	
23 31 13 13-0966	LF	26" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.33	154.82
		For Seal Class B, Add	*38.70*	
		For Seal Class A, Add	*82.57*	
		For Work In Restricted Working Space, Add	*77.41*	
23 31 13 13-0967	LF	26" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.31	160.35
		For Seal Class B, Add	*40.09*	
		For Seal Class A, Add	*85.52*	
		For Work In Restricted Working Space, Add	*80.17*	
23 31 13 13-0968	LF	26" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0969	LF	26" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.26	171.41
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.42*	
		For Work In Restricted Working Space, Add	*85.70*	
23 31 13 13-0970	LF	26" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0971	LF	26" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.22	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.31*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0972	LF	26" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-0973	LF	26" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	384.16	193.52
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*103.21*	
		For Work In Restricted Working Space, Add	*96.76*	
23 31 13 13-0974	LF	26" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.13	199.04
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.52*	
23 31 13 13-0975	LF	26" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	406.14	204.58
		For Seal Class B, Add	*51.15*	
		For Seal Class A, Add	*109.11*	
		For Work In Restricted Working Space, Add	*102.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0976	LF	28" x 28", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	307.33	154.82
		For Seal Class B, Add	*38.70*	
		For Seal Class A, Add	*82.57*	
		For Work In Restricted Working Space, Add	*77.41*	
23 31 13 13-0977	LF	28" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	318.31	160.35
		For Seal Class B, Add	*40.09*	
		For Seal Class A, Add	*85.52*	
		For Work In Restricted Working Space, Add	*80.17*	
23 31 13 13-0978	LF	28" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0979	LF	28" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.26	171.41
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.42*	
		For Work In Restricted Working Space, Add	*85.70*	
23 31 13 13-0980	LF	28" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0981	LF	28" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.22	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.31*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0982	LF	28" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-0983	LF	28" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	384.16	193.52
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*103.21*	
		For Work In Restricted Working Space, Add	*96.76*	
23 31 13 13-0984	LF	28" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.13	199.04
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.52*	
23 31 13 13-0985	LF	28" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	406.14	204.58
		For Seal Class B, Add	*51.15*	
		For Seal Class A, Add	*109.11*	
		For Work In Restricted Working Space, Add	*102.29*	
23 31 13 13-0986	LF	28" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.10	210.10
		For Seal Class B, Add	*52.53*	
		For Seal Class A, Add	*112.06*	
		For Work In Restricted Working Space, Add	*105.05*	
23 31 13 13-0987	LF	30" x 30", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	329.29	165.87
		For Seal Class B, Add	*41.47*	
		For Seal Class A, Add	*88.47*	
		For Work In Restricted Working Space, Add	*82.94*	
23 31 13 13-0988	LF	30" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	340.26	171.41
		For Seal Class B, Add	*42.85*	
		For Seal Class A, Add	*91.42*	
		For Work In Restricted Working Space, Add	*85.70*	
23 31 13 13-0989	LF	30" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0990	LF	30" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.22	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.31*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0991	LF	30" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-0992	LF	30" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	384.16	193.52
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*103.21*	
		For Work In Restricted Working Space, Add	*96.76*	
23 31 13 13-0993	LF	30" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.13	199.04
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.52*	
23 31 13 13-0994	LF	30" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	406.14	204.58
		For Seal Class B, Add	*51.15*	
		For Seal Class A, Add	*109.11*	
		For Work In Restricted Working Space, Add	*102.29*	
23 31 13 13-0995	LF	30" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.10	210.10
		For Seal Class B, Add	*52.53*	
		For Seal Class A, Add	*112.06*	
		For Work In Restricted Working Space, Add	*105.05*	
23 31 13 13-0996	LF	30" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.07	215.65
		For Seal Class B, Add	*53.91*	
		For Seal Class A, Add	*115.00*	
		For Work In Restricted Working Space, Add	*107.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0997	LF	32" x 32", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	351.25	176.93
		For Seal Class B, Add	*44.23*	
		For Seal Class A, Add	*94.36*	
		For Work In Restricted Working Space, Add	*88.47*	
23 31 13 13-0998	LF	32" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	362.22	182.46
		For Seal Class B, Add	*45.62*	
		For Seal Class A, Add	*97.31*	
		For Work In Restricted Working Space, Add	*91.23*	
23 31 13 13-0999	LF	32" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-1000	LF	32" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	384.16	193.52
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*103.21*	
		For Work In Restricted Working Space, Add	*96.76*	
23 31 13 13-1001	LF	32" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.13	199.04
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.52*	
23 31 13 13-1002	LF	32" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	406.14	204.58
		For Seal Class B, Add	*51.15*	
		For Seal Class A, Add	*109.11*	
		For Work In Restricted Working Space, Add	*102.29*	
23 31 13 13-1003	LF	32" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.10	210.10
		For Seal Class B, Add	*52.53*	
		For Seal Class A, Add	*112.06*	
		For Work In Restricted Working Space, Add	*105.05*	
23 31 13 13-1004	LF	32" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.07	215.65
		For Seal Class B, Add	*53.91*	
		For Seal Class A, Add	*115.00*	
		For Work In Restricted Working Space, Add	*107.82*	
23 31 13 13-1005	LF	32" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.04	221.17
		For Seal Class B, Add	*55.29*	
		For Seal Class A, Add	*117.96*	
		For Work In Restricted Working Space, Add	*110.58*	
23 31 13 13-1006	LF	34" x 34", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	373.18	187.99
		For Seal Class B, Add	*47.00*	
		For Seal Class A, Add	*100.26*	
		For Work In Restricted Working Space, Add	*93.99*	
23 31 13 13-1007	LF	34" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	384.16	193.52
		For Seal Class B, Add	*48.38*	
		For Seal Class A, Add	*103.21*	
		For Work In Restricted Working Space, Add	*96.76*	
23 31 13 13-1008	LF	34" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.13	199.04
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.52*	
23 31 13 13-1009	LF	34" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	406.14	204.58
		For Seal Class B, Add	*51.15*	
		For Seal Class A, Add	*109.11*	
		For Work In Restricted Working Space, Add	*102.29*	
23 31 13 13-1010	LF	34" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.10	210.10
		For Seal Class B, Add	*52.53*	
		For Seal Class A, Add	*112.06*	
		For Work In Restricted Working Space, Add	*105.05*	
23 31 13 13-1011	LF	34" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.07	215.65
		For Seal Class B, Add	*53.91*	
		For Seal Class A, Add	*115.00*	
		For Work In Restricted Working Space, Add	*107.82*	
23 31 13 13-1012	LF	34" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.04	221.17
		For Seal Class B, Add	*55.29*	
		For Seal Class A, Add	*117.96*	
		For Work In Restricted Working Space, Add	*110.58*	
23 31 13 13-1013	LF	34" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.01	226.69
		For Seal Class B, Add	*56.67*	
		For Seal Class A, Add	*120.90*	
		For Work In Restricted Working Space, Add	*113.35*	
23 31 13 13-1014	LF	36" x 36", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	395.13	199.04
		For Seal Class B, Add	*49.76*	
		For Seal Class A, Add	*106.16*	
		For Work In Restricted Working Space, Add	*99.52*	
23 31 13 13-1015	LF	36" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	406.14	204.58
		For Seal Class B, Add	*51.15*	
		For Seal Class A, Add	*109.11*	
		For Work In Restricted Working Space, Add	*102.29*	
23 31 13 13-1016	LF	36" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.10	210.10
		For Seal Class B, Add	*52.53*	
		For Seal Class A, Add	*112.06*	
		For Work In Restricted Working Space, Add	*105.05*	
23 31 13 13-1017	LF	36" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.07	215.65
		For Seal Class B, Add	*53.91*	
		For Seal Class A, Add	*115.00*	
		For Work In Restricted Working Space, Add	*107.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1018	LF	36" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.04	221.17
		For Seal Class B, Add	*55.29*	
		For Seal Class A, Add	*117.96*	
		For Work In Restricted Working Space, Add	*110.58*	
23 31 13 13-1019	LF	36" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.01	226.69
		For Seal Class B, Add	*56.67*	
		For Seal Class A, Add	*120.90*	
		For Work In Restricted Working Space, Add	*113.35*	
23 31 13 13-1020	LF	36" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	461.00	232.23
		For Seal Class B, Add	*58.05*	
		For Seal Class A, Add	*123.85*	
		For Work In Restricted Working Space, Add	*116.11*	
23 31 13 13-1021	LF	38" x 38", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	417.10	210.10
		For Seal Class B, Add	*52.53*	
		For Seal Class A, Add	*112.06*	
		For Work In Restricted Working Space, Add	*105.05*	
23 31 13 13-1022	LF	38" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	428.07	215.65
		For Seal Class B, Add	*53.91*	
		For Seal Class A, Add	*115.00*	
		For Work In Restricted Working Space, Add	*107.82*	
23 31 13 13-1023	LF	38" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.04	221.17
		For Seal Class B, Add	*55.29*	
		For Seal Class A, Add	*117.96*	
		For Work In Restricted Working Space, Add	*110.58*	
23 31 13 13-1024	LF	38" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.01	226.69
		For Seal Class B, Add	*56.67*	
		For Seal Class A, Add	*120.90*	
		For Work In Restricted Working Space, Add	*113.35*	
23 31 13 13-1025	LF	38" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	461.00	232.23
		For Seal Class B, Add	*58.05*	
		For Seal Class A, Add	*123.85*	
		For Work In Restricted Working Space, Add	*116.11*	
23 31 13 13-1026	LF	38" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.98	237.75
		For Seal Class B, Add	*59.44*	
		For Seal Class A, Add	*126.80*	
		For Work In Restricted Working Space, Add	*118.88*	
23 31 13 13-1027	LF	38" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.95	243.28
		For Seal Class B, Add	*60.82*	
		For Seal Class A, Add	*129.75*	
		For Work In Restricted Working Space, Add	*121.64*	
23 31 13 13-1028	LF	40" x 40", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	439.04	221.17
		For Seal Class B, Add	*55.29*	
		For Seal Class A, Add	*117.96*	
		For Work In Restricted Working Space, Add	*110.58*	
23 31 13 13-1029	LF	40" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	450.01	226.69
		For Seal Class B, Add	*56.67*	
		For Seal Class A, Add	*120.90*	
		For Work In Restricted Working Space, Add	*113.35*	
23 31 13 13-1030	LF	40" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	461.00	232.23
		For Seal Class B, Add	*58.05*	
		For Seal Class A, Add	*123.85*	
		For Work In Restricted Working Space, Add	*116.11*	
23 31 13 13-1031	LF	40" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.98	237.75
		For Seal Class B, Add	*59.44*	
		For Seal Class A, Add	*126.80*	
		For Work In Restricted Working Space, Add	*118.88*	
23 31 13 13-1032	LF	40" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.95	243.28
		For Seal Class B, Add	*60.82*	
		For Seal Class A, Add	*129.75*	
		For Work In Restricted Working Space, Add	*121.64*	
23 31 13 13-1033	LF	40" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	493.93	248.81
		For Seal Class B, Add	*62.20*	
		For Seal Class A, Add	*132.70*	
		For Work In Restricted Working Space, Add	*124.41*	
23 31 13 13-1034	LF	40" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.89	254.34
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.65*	
		For Work In Restricted Working Space, Add	*127.17*	
23 31 13 13-1035	LF	40" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.89	259.86
		For Seal Class B, Add	*64.97*	
		For Seal Class A, Add	*138.60*	
		For Work In Restricted Working Space, Add	*129.93*	
23 31 13 13-1036	LF	40" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.86	265.40
		For Seal Class B, Add	*66.35*	
		For Seal Class A, Add	*141.55*	
		For Work In Restricted Working Space, Add	*132.70*	
23 31 13 13-1037	LF	42" x 42", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	461.00	232.23
		For Seal Class B, Add	*58.05*	
		For Seal Class A, Add	*123.85*	
		For Work In Restricted Working Space, Add	*116.11*	
23 31 13 13-1038	LF	42" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	471.98	237.75
		For Seal Class B, Add	*59.44*	
		For Seal Class A, Add	*126.80*	
		For Work In Restricted Working Space, Add	*118.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1039	LF	42" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.95	243.28
		For Seal Class B, Add	*60.82*	
		For Seal Class A, Add	*129.75*	
		For Work In Restricted Working Space, Add	*121.64*	
23 31 13 13-1040	LF	42" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	493.93	248.81
		For Seal Class B, Add	*62.20*	
		For Seal Class A, Add	*132.70*	
		For Work In Restricted Working Space, Add	*124.41*	
23 31 13 13-1041	LF	42" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.89	254.34
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.65*	
		For Work In Restricted Working Space, Add	*127.17*	
23 31 13 13-1042	LF	42" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.89	259.86
		For Seal Class B, Add	*64.97*	
		For Seal Class A, Add	*138.60*	
		For Work In Restricted Working Space, Add	*129.93*	
23 31 13 13-1043	LF	42" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.86	265.40
		For Seal Class B, Add	*66.35*	
		For Seal Class A, Add	*141.55*	
		For Work In Restricted Working Space, Add	*132.70*	
23 31 13 13-1044	LF	42" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.83	270.92
		For Seal Class B, Add	*67.73*	
		For Seal Class A, Add	*144.49*	
		For Work In Restricted Working Space, Add	*135.46*	
23 31 13 13-1045	LF	44" x 44", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	482.95	243.28
		For Seal Class B, Add	*60.82*	
		For Seal Class A, Add	*129.75*	
		For Work In Restricted Working Space, Add	*121.64*	
23 31 13 13-1046	LF	44" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	493.93	248.81
		For Seal Class B, Add	*62.20*	
		For Seal Class A, Add	*132.70*	
		For Work In Restricted Working Space, Add	*124.41*	
23 31 13 13-1047	LF	44" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.89	254.34
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.65*	
		For Work In Restricted Working Space, Add	*127.17*	
23 31 13 13-1048	LF	44" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.89	259.86
		For Seal Class B, Add	*64.97*	
		For Seal Class A, Add	*138.60*	
		For Work In Restricted Working Space, Add	*129.93*	
23 31 13 13-1049	LF	44" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.86	265.40
		For Seal Class B, Add	*66.35*	
		For Seal Class A, Add	*141.55*	
		For Work In Restricted Working Space, Add	*132.70*	
23 31 13 13-1050	LF	44" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.83	270.92
		For Seal Class B, Add	*67.73*	
		For Seal Class A, Add	*144.49*	
		For Work In Restricted Working Space, Add	*135.46*	
23 31 13 13-1051	LF	44" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.80	276.46
		For Seal Class B, Add	*69.11*	
		For Seal Class A, Add	*147.44*	
		For Work In Restricted Working Space, Add	*138.23*	
23 31 13 13-1052	LF	46" x 46", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	504.89	254.34
		For Seal Class B, Add	*63.59*	
		For Seal Class A, Add	*135.65*	
		For Work In Restricted Working Space, Add	*127.17*	
23 31 13 13-1053	LF	46" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	515.89	259.86
		For Seal Class B, Add	*64.97*	
		For Seal Class A, Add	*138.60*	
		For Work In Restricted Working Space, Add	*129.93*	
23 31 13 13-1054	LF	46" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.86	265.40
		For Seal Class B, Add	*66.35*	
		For Seal Class A, Add	*141.55*	
		For Work In Restricted Working Space, Add	*132.70*	
23 31 13 13-1055	LF	46" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.83	270.92
		For Seal Class B, Add	*67.73*	
		For Seal Class A, Add	*144.49*	
		For Work In Restricted Working Space, Add	*135.46*	
23 31 13 13-1056	LF	46" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.80	276.46
		For Seal Class B, Add	*69.11*	
		For Seal Class A, Add	*147.44*	
		For Work In Restricted Working Space, Add	*138.23*	
23 31 13 13-1057	LF	46" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	568.99	287.52
		For Seal Class B, Add	*71.88*	
		For Seal Class A, Add	*153.34*	
		For Work In Restricted Working Space, Add	*143.76*	
23 31 13 13-1058	LF	46" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	579.99	293.04
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.29*	
		For Work In Restricted Working Space, Add	*146.52*	
23 31 13 13-1059	LF	48" x 48", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	526.86	265.40
		For Seal Class B, Add	*66.35*	
		For Seal Class A, Add	*141.55*	
		For Work In Restricted Working Space, Add	*132.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1060	LF	48" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	537.83	270.92
		For Seal Class B, Add	*67.73*	
		For Seal Class A, Add	*144.49*	
		For Work In Restricted Working Space, Add	*135.46*	
23 31 13 13-1061	LF	48" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.80	276.46
		For Seal Class B, Add	*69.11*	
		For Seal Class A, Add	*147.44*	
		For Work In Restricted Working Space, Add	*138.23*	
23 31 13 13-1062	LF	48" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	559.77	281.99
		For Seal Class B, Add	*70.50*	
		For Seal Class A, Add	*150.39*	
		For Work In Restricted Working Space, Add	*140.99*	
23 31 13 13-1063	LF	48" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.77	287.52
		For Seal Class B, Add	*71.88*	
		For Seal Class A, Add	*153.34*	
		For Work In Restricted Working Space, Add	*143.76*	
23 31 13 13-1064	LF	48" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.75	293.04
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.29*	
		For Work In Restricted Working Space, Add	*146.52*	
23 31 13 13-1065	LF	48" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.71	298.58
		For Seal Class B, Add	*74.64*	
		For Seal Class A, Add	*159.24*	
		For Work In Restricted Working Space, Add	*149.29*	
23 31 13 13-1066	LF	50" x 50", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	548.80	276.46
		For Seal Class B, Add	*69.11*	
		For Seal Class A, Add	*147.44*	
		For Work In Restricted Working Space, Add	*138.23*	
23 31 13 13-1067	LF	50" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	559.77	281.99
		For Seal Class B, Add	*70.50*	
		For Seal Class A, Add	*150.39*	
		For Work In Restricted Working Space, Add	*140.99*	
23 31 13 13-1068	LF	50" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.77	287.52
		For Seal Class B, Add	*71.88*	
		For Seal Class A, Add	*153.34*	
		For Work In Restricted Working Space, Add	*143.76*	
23 31 13 13-1069	LF	50" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.75	293.04
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.29*	
		For Work In Restricted Working Space, Add	*146.52*	
23 31 13 13-1070	LF	50" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.71	298.58
		For Seal Class B, Add	*74.64*	
		For Seal Class A, Add	*159.24*	
		For Work In Restricted Working Space, Add	*149.29*	
23 31 13 13-1071	LF	50" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.68	304.10
		For Seal Class B, Add	*76.02*	
		For Seal Class A, Add	*162.19*	
		For Work In Restricted Working Space, Add	*152.05*	
23 31 13 13-1072	LF	52" x 52", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	570.77	287.52
		For Seal Class B, Add	*71.88*	
		For Seal Class A, Add	*153.34*	
		For Work In Restricted Working Space, Add	*143.76*	
23 31 13 13-1073	LF	52" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	581.75	293.04
		For Seal Class B, Add	*73.26*	
		For Seal Class A, Add	*156.29*	
		For Work In Restricted Working Space, Add	*146.52*	
23 31 13 13-1074	LF	52" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.71	298.58
		For Seal Class B, Add	*74.64*	
		For Seal Class A, Add	*159.24*	
		For Work In Restricted Working Space, Add	*149.29*	
23 31 13 13-1075	LF	52" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.68	304.10
		For Seal Class B, Add	*76.02*	
		For Seal Class A, Add	*162.19*	
		For Work In Restricted Working Space, Add	*152.05*	
23 31 13 13-1076	LF	52" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	614.66	309.63
		For Seal Class B, Add	*77.41*	
		For Seal Class A, Add	*165.14*	
		For Work In Restricted Working Space, Add	*154.82*	
23 31 13 13-1077	LF	54" x 54", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	592.71	298.58
		For Seal Class B, Add	*74.64*	
		For Seal Class A, Add	*159.24*	
		For Work In Restricted Working Space, Add	*149.29*	
23 31 13 13-1078	LF	54" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	603.68	304.10
		For Seal Class B, Add	*76.02*	
		For Seal Class A, Add	*162.19*	
		For Work In Restricted Working Space, Add	*152.05*	
23 31 13 13-1079	LF	54" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	614.66	309.63
		For Seal Class B, Add	*77.41*	
		For Seal Class A, Add	*165.14*	
		For Work In Restricted Working Space, Add	*154.82*	
23 31 13 13-1080	LF	54" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	625.65	315.16
		For Seal Class B, Add	*78.79*	
		For Seal Class A, Add	*168.09*	
		For Work In Restricted Working Space, Add	*157.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1081	LF	54" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.62	320.68
		For Seal Class B, Add	*80.17*	
		For Seal Class A, Add	*171.03*	
		For Work In Restricted Working Space, Add	*160.34*	
23 31 13 13-1082	LF	54" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	647.58	326.21
		For Seal Class B, Add	*81.55*	
		For Seal Class A, Add	*173.98*	
		For Work In Restricted Working Space, Add	*163.11*	
23 31 13 13-1083	LF	56" x 56", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	614.66	309.63
		For Seal Class B, Add	*77.41*	
		For Seal Class A, Add	*165.14*	
		For Work In Restricted Working Space, Add	*154.82*	
23 31 13 13-1084	LF	56" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	625.65	315.16
		For Seal Class B, Add	*78.79*	
		For Seal Class A, Add	*168.09*	
		For Work In Restricted Working Space, Add	*157.58*	
23 31 13 13-1085	LF	56" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.62	320.68
		For Seal Class B, Add	*80.17*	
		For Seal Class A, Add	*171.03*	
		For Work In Restricted Working Space, Add	*160.34*	
23 31 13 13-1086	LF	56" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	647.58	326.21
		For Seal Class B, Add	*81.55*	
		For Seal Class A, Add	*173.98*	
		For Work In Restricted Working Space, Add	*163.11*	
23 31 13 13-1087	LF	56" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	658.56	331.74
		For Seal Class B, Add	*82.94*	
		For Seal Class A, Add	*176.93*	
		For Work In Restricted Working Space, Add	*165.87*	
23 31 13 13-1088	LF	58" x 58", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	636.62	320.68
		For Seal Class B, Add	*80.17*	
		For Seal Class A, Add	*171.03*	
		For Work In Restricted Working Space, Add	*160.34*	
23 31 13 13-1089	LF	58" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	647.58	326.21
		For Seal Class B, Add	*81.55*	
		For Seal Class A, Add	*173.98*	
		For Work In Restricted Working Space, Add	*163.11*	
23 31 13 13-1090	LF	58" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	658.56	331.74
		For Seal Class B, Add	*82.94*	
		For Seal Class A, Add	*176.93*	
		For Work In Restricted Working Space, Add	*165.87*	
23 31 13 13-1091	LF	58" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	669.53	337.28
		For Seal Class B, Add	*84.32*	
		For Seal Class A, Add	*179.88*	
		For Work In Restricted Working Space, Add	*168.64*	
23 31 13 13-1092	LF	58" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.53	342.80
		For Seal Class B, Add	*85.70*	
		For Seal Class A, Add	*182.83*	
		For Work In Restricted Working Space, Add	*171.40*	
23 31 13 13-1093	LF	60" x 60", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	658.56	331.74
		For Seal Class B, Add	*82.94*	
		For Seal Class A, Add	*176.93*	
		For Work In Restricted Working Space, Add	*165.87*	
23 31 13 13-1094	LF	60" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	669.53	337.28
		For Seal Class B, Add	*84.32*	
		For Seal Class A, Add	*179.88*	
		For Work In Restricted Working Space, Add	*168.64*	
23 31 13 13-1095	LF	60" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.53	342.80
		For Seal Class B, Add	*85.70*	
		For Seal Class A, Add	*182.83*	
		For Work In Restricted Working Space, Add	*171.40*	
23 31 13 13-1096	LF	60" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.50	348.34
		For Seal Class B, Add	*87.08*	
		For Seal Class A, Add	*185.78*	
		For Work In Restricted Working Space, Add	*174.17*	
23 31 13 13-1097	LF	60" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.48	353.86
		For Seal Class B, Add	*88.47*	
		For Seal Class A, Add	*188.73*	
		For Work In Restricted Working Space, Add	*176.93*	
23 31 13 13-1098	LF	62" x 62", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	680.53	342.80
		For Seal Class B, Add	*85.70*	
		For Seal Class A, Add	*182.83*	
		For Work In Restricted Working Space, Add	*171.40*	
23 31 13 13-1099	LF	62" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	691.50	348.34
		For Seal Class B, Add	*87.08*	
		For Seal Class A, Add	*185.78*	
		For Work In Restricted Working Space, Add	*174.17*	
23 31 13 13-1100	LF	62" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.48	353.86
		For Seal Class B, Add	*88.47*	
		For Seal Class A, Add	*188.73*	
		For Work In Restricted Working Space, Add	*176.93*	
23 31 13 13-1101	LF	62" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	713.44	359.39
		For Seal Class B, Add	*89.85*	
		For Seal Class A, Add	*191.68*	
		For Work In Restricted Working Space, Add	*179.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1102	LF	62" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.41	364.92
		For Seal Class B, Add	*91.23*	
		For Seal Class A, Add	*194.62*	
		For Work In Restricted Working Space, Add	*182.46*	
23 31 13 13-1103	LF	64" x 64", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	702.48	353.86
		For Seal Class B, Add	*88.47*	
		For Seal Class A, Add	*188.73*	
		For Work In Restricted Working Space, Add	*176.93*	
23 31 13 13-1104	LF	64" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	713.44	359.39
		For Seal Class B, Add	*89.85*	
		For Seal Class A, Add	*191.68*	
		For Work In Restricted Working Space, Add	*179.70*	
23 31 13 13-1105	LF	64" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.41	364.92
		For Seal Class B, Add	*91.23*	
		For Seal Class A, Add	*194.62*	
		For Work In Restricted Working Space, Add	*182.46*	
23 31 13 13-1106	LF	64" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	735.40	370.45
		For Seal Class B, Add	*92.61*	
		For Seal Class A, Add	*197.57*	
		For Work In Restricted Working Space, Add	*185.22*	
23 31 13 13-1107	LF	66" x 66", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	724.41	364.92
		For Seal Class B, Add	*91.23*	
		For Seal Class A, Add	*194.62*	
		For Work In Restricted Working Space, Add	*182.46*	
23 31 13 13-1108	LF	66" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	735.40	370.45
		For Seal Class B, Add	*92.61*	
		For Seal Class A, Add	*197.57*	
		For Work In Restricted Working Space, Add	*185.22*	
23 31 13 13-1109	LF	66" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	746.38	375.98
		For Seal Class B, Add	*93.99*	
		For Seal Class A, Add	*200.52*	
		For Work In Restricted Working Space, Add	*187.99*	
23 31 13 13-1110	LF	66" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	757.34	381.51
		For Seal Class B, Add	*95.38*	
		For Seal Class A, Add	*203.47*	
		For Work In Restricted Working Space, Add	*190.75*	
23 31 13 13-1111	LF	68" x 68", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	746.38	375.98
		For Seal Class B, Add	*93.99*	
		For Seal Class A, Add	*200.52*	
		For Work In Restricted Working Space, Add	*187.99*	
23 31 13 13-1112	LF	68" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	757.34	381.51
		For Seal Class B, Add	*95.38*	
		For Seal Class A, Add	*203.47*	
		For Work In Restricted Working Space, Add	*190.75*	
23 31 13 13-1113	LF	68" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	768.33	387.03
		For Seal Class B, Add	*96.76*	
		For Seal Class A, Add	*206.42*	
		For Work In Restricted Working Space, Add	*193.52*	
23 31 13 13-1114	LF	68" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	779.29	392.57
		For Seal Class B, Add	*98.14*	
		For Seal Class A, Add	*209.37*	
		For Work In Restricted Working Space, Add	*196.28*	
23 31 13 13-1115	LF	70" x 70", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	768.33	387.03
		For Seal Class B, Add	*96.76*	
		For Seal Class A, Add	*206.42*	
		For Work In Restricted Working Space, Add	*193.52*	
23 31 13 13-1116	LF	70" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	779.29	392.57
		For Seal Class B, Add	*98.14*	
		For Seal Class A, Add	*209.37*	
		For Work In Restricted Working Space, Add	*196.28*	
23 31 13 13-1117	LF	70" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	790.30	398.10
		For Seal Class B, Add	*99.53*	
		For Seal Class A, Add	*212.32*	
		For Work In Restricted Working Space, Add	*199.05*	
23 31 13 13-1118	LF	70" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	801.26	403.63
		For Seal Class B, Add	*100.91*	
		For Seal Class A, Add	*215.27*	
		For Work In Restricted Working Space, Add	*201.81*	
23 31 13 13-1119	LF	70" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	812.23	409.16
		For Seal Class B, Add	*102.29*	
		For Seal Class A, Add	*218.21*	
		For Work In Restricted Working Space, Add	*204.58*	
23 31 13 13-1120	LF	70" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	823.19	414.69
		For Seal Class B, Add	*103.67*	
		For Seal Class A, Add	*221.16*	
		For Work In Restricted Working Space, Add	*207.34*	
23 31 13 13-1121	LF	70" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	834.18	420.21
		For Seal Class B, Add	*105.05*	
		For Seal Class A, Add	*224.12*	
		For Work In Restricted Working Space, Add	*210.11*	
23 31 13 13-1122	LF	70" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	845.18	425.74
		For Seal Class B, Add	*106.44*	
		For Seal Class A, Add	*227.07*	
		For Work In Restricted Working Space, Add	*212.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1123	LF	70" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.15	431.27
		For Seal Class B, Add	*107.82*	
		For Seal Class A, Add	*230.01*	
		For Work In Restricted Working Space, Add	*215.64*	
23 31 13 13-1124	LF	72" x 72", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	790.30	398.10
		For Seal Class B, Add	*99.53*	
		For Seal Class A, Add	*212.32*	
		For Work In Restricted Working Space, Add	*199.05*	
23 31 13 13-1125	LF	72" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	801.26	403.63
		For Seal Class B, Add	*100.91*	
		For Seal Class A, Add	*215.27*	
		For Work In Restricted Working Space, Add	*201.81*	
23 31 13 13-1126	LF	72" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	812.23	409.16
		For Seal Class B, Add	*102.29*	
		For Seal Class A, Add	*218.21*	
		For Work In Restricted Working Space, Add	*204.58*	
23 31 13 13-1127	LF	72" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	823.19	414.69
		For Seal Class B, Add	*103.67*	
		For Seal Class A, Add	*221.16*	
		For Work In Restricted Working Space, Add	*207.34*	
23 31 13 13-1128	LF	72" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	834.18	420.21
		For Seal Class B, Add	*105.05*	
		For Seal Class A, Add	*224.12*	
		For Work In Restricted Working Space, Add	*210.11*	
23 31 13 13-1129	LF	72" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	845.18	425.74
		For Seal Class B, Add	*106.44*	
		For Seal Class A, Add	*227.07*	
		For Work In Restricted Working Space, Add	*212.87*	
23 31 13 13-1130	LF	72" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.15	431.27
		For Seal Class B, Add	*107.82*	
		For Seal Class A, Add	*230.01*	
		For Work In Restricted Working Space, Add	*215.64*	
23 31 13 13-1131	LF	72" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.11	436.79
		For Seal Class B, Add	*109.20*	
		For Seal Class A, Add	*232.96*	
		For Work In Restricted Working Space, Add	*218.40*	
23 31 13 13-1132	LF	74" x 74", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	812.23	409.16
		For Seal Class B, Add	*102.29*	
		For Seal Class A, Add	*218.21*	
		For Work In Restricted Working Space, Add	*204.58*	
23 31 13 13-1133	LF	74" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	823.19	414.69
		For Seal Class B, Add	*103.67*	
		For Seal Class A, Add	*221.16*	
		For Work In Restricted Working Space, Add	*207.34*	
23 31 13 13-1134	LF	74" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	834.18	420.21
		For Seal Class B, Add	*105.05*	
		For Seal Class A, Add	*224.12*	
		For Work In Restricted Working Space, Add	*210.11*	
23 31 13 13-1135	LF	74" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	845.18	425.74
		For Seal Class B, Add	*106.44*	
		For Seal Class A, Add	*227.07*	
		For Work In Restricted Working Space, Add	*212.87*	
23 31 13 13-1136	LF	74" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.15	431.27
		For Seal Class B, Add	*107.82*	
		For Seal Class A, Add	*230.01*	
		For Work In Restricted Working Space, Add	*215.64*	
23 31 13 13-1137	LF	74" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.11	436.79
		For Seal Class B, Add	*109.20*	
		For Seal Class A, Add	*232.96*	
		For Work In Restricted Working Space, Add	*218.40*	
23 31 13 13-1138	LF	74" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	878.08	442.33
		For Seal Class B, Add	*110.58*	
		For Seal Class A, Add	*235.91*	
		For Work In Restricted Working Space, Add	*221.16*	
23 31 13 13-1139	LF	76" x 76", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	834.18	420.21
		For Seal Class B, Add	*105.05*	
		For Seal Class A, Add	*224.12*	
		For Work In Restricted Working Space, Add	*210.11*	
23 31 13 13-1140	LF	76" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	845.18	425.74
		For Seal Class B, Add	*106.44*	
		For Seal Class A, Add	*227.07*	
		For Work In Restricted Working Space, Add	*212.87*	
23 31 13 13-1141	LF	76" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.15	431.27
		For Seal Class B, Add	*107.82*	
		For Seal Class A, Add	*230.01*	
		For Work In Restricted Working Space, Add	*215.64*	
23 31 13 13-1142	LF	76" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.11	436.79
		For Seal Class B, Add	*109.20*	
		For Seal Class A, Add	*232.96*	
		For Work In Restricted Working Space, Add	*218.40*	
23 31 13 13-1143	LF	76" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	878.08	442.33
		For Seal Class B, Add	*110.58*	
		For Seal Class A, Add	*235.91*	
		For Work In Restricted Working Space, Add	*221.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-1144	LF	76" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	889.05	447.85
		For Seal Class B, Add	*111.96*	
		For Seal Class A, Add	*238.86*	
		For Work In Restricted Working Space, Add	*223.93*	
23 31 13 13-1145	LF	78" x 78", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	856.15	431.27
		For Seal Class B, Add	*107.82*	
		For Seal Class A, Add	*230.01*	
		For Work In Restricted Working Space, Add	*215.64*	
23 31 13 13-1146	LF	78" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	867.11	436.79
		For Seal Class B, Add	*109.20*	
		For Seal Class A, Add	*232.96*	
		For Work In Restricted Working Space, Add	*218.40*	
23 31 13 13-1147	LF	78" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	878.08	442.33
		For Seal Class B, Add	*110.58*	
		For Seal Class A, Add	*235.91*	
		For Work In Restricted Working Space, Add	*221.16*	
23 31 13 13-1148	LF	78" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	889.05	447.85
		For Seal Class B, Add	*111.96*	
		For Seal Class A, Add	*238.86*	
		For Work In Restricted Working Space, Add	*223.93*	
23 31 13 13-1149	LF	78" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	900.04	453.38
		For Seal Class B, Add	*113.35*	
		For Seal Class A, Add	*241.80*	
		For Work In Restricted Working Space, Add	*226.69*	
23 31 13 13-1150	LF	80" x 80", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	878.08	442.33
		For Seal Class B, Add	*110.58*	
		For Seal Class A, Add	*235.91*	
		For Work In Restricted Working Space, Add	*221.16*	
23 31 13 13-1151	LF	80" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	889.05	447.85
		For Seal Class B, Add	*111.96*	
		For Seal Class A, Add	*238.86*	
		For Work In Restricted Working Space, Add	*223.93*	
23 31 13 13-1152	LF	80" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	900.04	453.38
		For Seal Class B, Add	*113.35*	
		For Seal Class A, Add	*241.80*	
		For Work In Restricted Working Space, Add	*226.69*	
23 31 13 13-1153	LF	80" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	920.23	464.45
		For Seal Class B, Add	*116.11*	
		For Seal Class A, Add	*247.70*	
		For Work In Restricted Working Space, Add	*232.22*	
23 31 13 13-1154	LF	82" x 82", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	900.04	453.38
		For Seal Class B, Add	*113.35*	
		For Seal Class A, Add	*241.80*	
		For Work In Restricted Working Space, Add	*226.69*	
23 31 13 13-1155	LF	82" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	911.02	458.92
		For Seal Class B, Add	*114.73*	
		For Seal Class A, Add	*244.76*	
		For Work In Restricted Working Space, Add	*229.46*	
23 31 13 13-1156	LF	82" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	921.99	464.45
		For Seal Class B, Add	*116.11*	
		For Seal Class A, Add	*247.70*	
		For Work In Restricted Working Space, Add	*232.22*	
23 31 13 13-1157	LF	84" x 84", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	921.99	464.45
		For Seal Class B, Add	*116.11*	
		For Seal Class A, Add	*247.70*	
		For Work In Restricted Working Space, Add	*232.22*	
23 31 13 13-1158	LF	84" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	932.96	469.97
		For Seal Class B, Add	*117.49*	
		For Seal Class A, Add	*250.65*	
		For Work In Restricted Working Space, Add	*234.99*	
23 31 13 13-1159	LF	86" x 86", 18 Gauge, Seal Class C, Galvanized Steel Sheet Metal Ductwork	943.94	475.51
		For Seal Class B, Add	*118.88*	
		For Seal Class A, Add	*253.60*	
		For Work In Restricted Working Space, Add	*237.75*	

23 31 13 16 Round and Flat-Oval Spiral Ducts *(23 31 13)*

23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct *(23 31 13 16)*

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85 or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts *(23 31 13 16-0001)*

Note: Includes straps and supports.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	8.10	2.76
		For Seal Class B, Add	*0.85*	
		For Seal Class A, Add	*2.26*	
		For Up To 20', Add	*0.74*	
		For >20' To 50', Add	*0.30*	
		For >200' To 500', Deduct	*-0.18*	
		For >500', Deduct	*-0.31*	
		For 28 Gauge, Deduct	*-0.34*	
		For 24 Gauge, Add	*0.34*	
		For 22 Gauge, Add	*0.68*	
		For 20 Gauge, Add	*1.02*	
		For 18 Gauge, Add	*1.35*	
		For 16 Gauge, Add	*1.66*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*1.82*	
		For Work In Restricted Working Space, Add	*1.69*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.13*	
		For Elevated Installation >20' To 25', Add	*1.41*	
		For Elevated Installation >25' To 30', Add	*1.97*	
		For Elevated Installation >30' To 35', Add	*2.26*	
		For Elevated Installation >35' To 40', Add	*2.82*	
		For Elevated Installation >40', Add	*3.10*	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	9.37	3.13
		For Seal Class B, Add	*0.94*	
		For Seal Class A, Add	*2.50*	
		For Up To 20', Add	*0.93*	
		For >20' To 50', Add	*0.37*	
		For >200' To 500', Deduct	*-0.23*	
		For >500', Deduct	*-0.39*	
		For 28 Gauge, Deduct	*-0.43*	
		For 24 Gauge, Add	*0.43*	
		For 22 Gauge, Add	*0.86*	
		For 20 Gauge, Add	*1.29*	
		For 18 Gauge, Add	*1.71*	
		For 16 Gauge, Add	*2.10*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.30*	
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.57*	
		For Elevated Installation >25' To 30', Add	*2.19*	
		For Elevated Installation >30' To 35', Add	*2.50*	
		For Elevated Installation >35' To 40', Add	*3.13*	
		For Elevated Installation >40', Add	*3.44*	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	10.64	3.75
		For Seal Class B, Add	*1.06*	
		For Seal Class A, Add	*2.82*	
		For Up To 20', Add	*1.08*	
		For >20' To 50', Add	*0.43*	
		For >200' To 500', Deduct	*-0.27*	
		For >500', Deduct	*-0.45*	
		For 28 Gauge, Deduct	*-0.50*	
		For 24 Gauge, Add	*0.50*	
		For 22 Gauge, Add	*0.99*	
		For 20 Gauge, Add	*1.49*	
		For 18 Gauge, Add	*1.97*	
		For 16 Gauge, Add	*2.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.66*	
		For Work In Restricted Working Space, Add	*2.12*	
		For Elevated Installation >10' To 15', Add	*0.71*	
		For Elevated Installation >15' To 20', Add	*1.41*	
		For Elevated Installation >20' To 25', Add	*1.76*	
		For Elevated Installation >25' To 30', Add	*2.47*	
		For Elevated Installation >30' To 35', Add	*2.82*	
		For Elevated Installation >35' To 40', Add	*3.53*	
		For Elevated Installation >40', Add	*3.88*	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	11.92	4.38
		For Seal Class B, Add	*1.21*	
		For Seal Class A, Add	*3.22*	
		For Up To 20', Add	*1.16*	
		For >20' To 50', Add	*0.46*	
		For >200' To 500', Deduct	*-0.29*	
		For >500', Deduct	*-0.48*	
		For 28 Gauge, Deduct	*-0.54*	
		For 24 Gauge, Add	*0.53*	
		For 22 Gauge, Add	*1.07*	
		For 20 Gauge, Add	*1.60*	
		For 18 Gauge, Add	*2.13*	
		For 16 Gauge, Add	*2.61*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.86*	
		For Work In Restricted Working Space, Add	*2.42*	
		For Elevated Installation >10' To 15', Add	*0.81*	
		For Elevated Installation >15' To 20', Add	*1.61*	
		For Elevated Installation >20' To 25', Add	*2.01*	
		For Elevated Installation >25' To 30', Add	*2.82*	
		For Elevated Installation >30' To 35', Add	*3.22*	
		For Elevated Installation >35' To 40', Add	*4.03*	
		For Elevated Installation >40', Add	*4.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0007	LF	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	13.54	5.01
		For Seal Class B, Add	*1.41*	
		For Seal Class A, Add	*3.76*	
		For Up To 20', Add	*1.25*	
		For >20' To 50', Add	*0.50*	
		For >200' To 500', Deduct	*-0.31*	
		For >500', Deduct	*-0.52*	
		For 28 Gauge, Deduct	*-0.57*	
		For 24 Gauge, Add	*0.57*	
		For 22 Gauge, Add	*1.14*	
		For 20 Gauge, Add	*1.72*	
		For 18 Gauge, Add	*2.28*	
		For 16 Gauge, Add	*2.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*2.82*	
		For Elevated Installation >10' To 15', Add	*0.94*	
		For Elevated Installation >15' To 20', Add	*1.88*	
		For Elevated Installation >20' To 25', Add	*2.35*	
		For Elevated Installation >25' To 30', Add	*3.29*	
		For Elevated Installation >30' To 35', Add	*3.76*	
		For Elevated Installation >35' To 40', Add	*4.70*	
		For Elevated Installation >40', Add	*5.16*	
23 31 13 16-0008	LF	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	17.32	6.26
		For Seal Class B, Add	*1.69*	
		For Seal Class A, Add	*4.51*	
		For Up To 20', Add	*1.82*	
		For >20' To 50', Add	*0.73*	
		For >200' To 500', Deduct	*-0.45*	
		For >500', Deduct	*-0.76*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.67*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.33*	
		For 16 Gauge, Add	*4.08*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.48*	
		For Work In Restricted Working Space, Add	*3.38*	
		For Elevated Installation >10' To 15', Add	*1.13*	
		For Elevated Installation >15' To 20', Add	*2.25*	
		For Elevated Installation >20' To 25', Add	*2.82*	
		For Elevated Installation >25' To 30', Add	*3.94*	
		For Elevated Installation >30' To 35', Add	*4.51*	
		For Elevated Installation >35' To 40', Add	*5.64*	
		For Elevated Installation >40', Add	*6.20*	
23 31 13 16-0009	LF	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	21.16	8.39
		For Seal Class B, Add	*2.11*	
		For Seal Class A, Add	*5.64*	
		For Up To 20', Add	*2.12*	
		For >20' To 50', Add	*0.85*	
		For >200' To 500', Deduct	*-0.53*	
		For >500', Deduct	*-0.88*	
		For 28 Gauge, Deduct	*-0.98*	
		For 24 Gauge, Add	*0.98*	
		For 22 Gauge, Add	*1.95*	
		For 20 Gauge, Add	*2.93*	
		For 18 Gauge, Add	*3.89*	
		For 16 Gauge, Add	*4.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.23*	
		For Work In Restricted Working Space, Add	*4.23*	
		For Elevated Installation >10' To 15', Add	*1.41*	
		For Elevated Installation >15' To 20', Add	*2.82*	
		For Elevated Installation >20' To 25', Add	*3.52*	
		For Elevated Installation >25' To 30', Add	*4.93*	
		For Elevated Installation >30' To 35', Add	*5.64*	
		For Elevated Installation >35' To 40', Add	*7.05*	
		For Elevated Installation >40', Add	*7.75*	
23 31 13 16-0010	LF	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	25.64	12.52
		For Seal Class B, Add	*2.64*	
		For Seal Class A, Add	*7.04*	
		For Up To 20', Add	*2.41*	
		For >20' To 50', Add	*0.96*	
		For >200' To 500', Deduct	*-0.60*	
		For >500', Deduct	*-1.00*	
		For 28 Gauge, Deduct	*-1.11*	
		For 24 Gauge, Add	*1.11*	
		For 22 Gauge, Add	*2.21*	
		For 20 Gauge, Add	*3.32*	
		For 18 Gauge, Add	*4.42*	
		For 16 Gauge, Add	*5.42*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.94*	
		For Work In Restricted Working Space, Add	*5.28*	
		For Elevated Installation >10' To 15', Add	*1.76*	
		For Elevated Installation >15' To 20', Add	*3.52*	
		For Elevated Installation >20' To 25', Add	*4.40*	
		For Elevated Installation >25' To 30', Add	*6.16*	
		For Elevated Installation >30' To 35', Add	*7.04*	
		For Elevated Installation >35' To 40', Add	*8.81*	
		For Elevated Installation >40', Add	*9.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0011	LF	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	34.52	16.78
		For Seal Class B, Add	*3.52*	
		For Seal Class A, Add	*9.40*	
		For Up To 20', Add	*3.31*	
		For >20' To 50', Add	*1.32*	
		For >200' To 500', Deduct	*-0.83*	
		For >500', Deduct	*-1.38*	
		For 28 Gauge, Deduct	*-1.53*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.04*	
		For 20 Gauge, Add	*4.57*	
		For 18 Gauge, Add	*6.07*	
		For 16 Gauge, Add	*7.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.16*	
		For Work In Restricted Working Space, Add	*7.05*	
		For Elevated Installation >10' To 15', Add	*2.35*	
		For Elevated Installation >15' To 20', Add	*4.70*	
		For Elevated Installation >20' To 25', Add	*5.87*	
		For Elevated Installation >25' To 30', Add	*8.22*	
		For Elevated Installation >30' To 35', Add	*9.40*	
		For Elevated Installation >35' To 40', Add	*11.75*	
		For Elevated Installation >40', Add	*12.92*	
23 31 13 16-0012	LF	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	49.50	20.16
		For Up To 20', Add	*6.40*	
		For >20' To 50', Add	*2.56*	
		For >200' To 500', Deduct	*-1.60*	
		For >500', Deduct	*-2.67*	
		For 28 Gauge, Deduct	*-2.95*	
		For 24 Gauge, Add	*2.94*	
		For 22 Gauge, Add	*5.87*	
		For 20 Gauge, Add	*8.83*	
		For 18 Gauge, Add	*11.73*	
		For 16 Gauge, Add	*14.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.78*	
		For Work In Restricted Working Space, Add	*8.45*	
		For Elevated Installation >10' To 15', Add	*2.82*	
		For Elevated Installation >15' To 20', Add	*5.64*	
		For Elevated Installation >20' To 25', Add	*7.05*	
		For Elevated Installation >25' To 30', Add	*9.86*	
		For Elevated Installation >30' To 35', Add	*11.27*	
		For Elevated Installation >35' To 40', Add	*14.09*	
		For Elevated Installation >40', Add	*15.50*	
23 31 13 16-0013	LF	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct	56.36	23.29
		For Up To 20', Add	*7.14*	
		For >20' To 50', Add	*2.86*	
		For >200' To 500', Deduct	*-1.79*	
		For >500', Deduct	*-2.98*	
		For 28 Gauge, Deduct	*-3.30*	
		For 24 Gauge, Add	*3.28*	
		For 22 Gauge, Add	*6.56*	
		For 20 Gauge, Add	*9.85*	
		For 18 Gauge, Add	*13.09*	
		For 16 Gauge, Add	*16.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.61*	
		For Work In Restricted Working Space, Add	*9.77*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.51*	
		For Elevated Installation >20' To 25', Add	*8.14*	
		For Elevated Installation >25' To 30', Add	*11.40*	
		For Elevated Installation >30' To 35', Add	*13.02*	
		For Elevated Installation >35' To 40', Add	*16.28*	
		For Elevated Installation >40', Add	*17.91*	

23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows *(23 31 13 16-0001)*

Note: Up to 90 degree.

23 31 13 16-0015	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	40.46	16.72
		For Seal Class B, Add	*5.02*	
		For Seal Class A, Add	*13.38*	
		For 28 Gauge, Deduct	*-0.97*	
		For 24 Gauge, Add	*0.97*	
		For 22 Gauge, Add	*1.93*	
		For 20 Gauge, Add	*2.91*	
		For 18 Gauge, Add	*3.86*	
		For 16 Gauge, Add	*4.74*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.19*	
		For Work In Restricted Working Space, Add	*10.03*	
		For Elevated Installation >10' To 15', Add	*3.34*	
		For Elevated Installation >15' To 20', Add	*6.69*	
		For Elevated Installation >20' To 25', Add	*8.36*	
		For Elevated Installation >25' To 30', Add	*11.70*	
		For Elevated Installation >30' To 35', Add	*13.38*	
		For Elevated Installation >35' To 40', Add	*16.72*	
		For Elevated Installation >40', Add	*18.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0016	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	46.22	19.29
		For Seal Class B, Add	*5.79*	
		For Seal Class A, Add	*15.43*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.05*	
		For 22 Gauge, Add	*2.10*	
		For 20 Gauge, Add	*3.16*	
		For 18 Gauge, Add	*4.20*	
		For 16 Gauge, Add	*5.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.65*	
		For Work In Restricted Working Space, Add	*11.57*	
		For Elevated Installation >10' To 15', Add	*3.86*	
		For Elevated Installation >15' To 20', Add	*7.72*	
		For Elevated Installation >20' To 25', Add	*9.65*	
		For Elevated Installation >25' To 30', Add	*13.50*	
		For Elevated Installation >30' To 35', Add	*15.43*	
		For Elevated Installation >35' To 40', Add	*19.29*	
		For Elevated Installation >40', Add	*21.22*	
23 31 13 16-0017	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	54.18	22.79
		For Seal Class B, Add	*6.84*	
		For Seal Class A, Add	*18.23*	
		For 28 Gauge, Deduct	*-1.19*	
		For 24 Gauge, Add	*1.19*	
		For 22 Gauge, Add	*2.37*	
		For 20 Gauge, Add	*3.56*	
		For 18 Gauge, Add	*4.73*	
		For 16 Gauge, Add	*5.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.36*	
		For Work In Restricted Working Space, Add	*13.67*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.12*	
		For Elevated Installation >20' To 25', Add	*11.40*	
		For Elevated Installation >25' To 30', Add	*15.95*	
		For Elevated Installation >30' To 35', Add	*18.23*	
		For Elevated Installation >35' To 40', Add	*22.79*	
		For Elevated Installation >40', Add	*25.07*	
23 31 13 16-0018	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	69.18	29.30
		For Seal Class B, Add	*8.79*	
		For Seal Class A, Add	*23.44*	
		For 28 Gauge, Deduct	*-1.46*	
		For 24 Gauge, Add	*1.46*	
		For 22 Gauge, Add	*2.91*	
		For 20 Gauge, Add	*4.38*	
		For 18 Gauge, Add	*5.81*	
		For 16 Gauge, Add	*7.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.82*	
		For Work In Restricted Working Space, Add	*17.58*	
		For Elevated Installation >10' To 15', Add	*5.86*	
		For Elevated Installation >15' To 20', Add	*11.72*	
		For Elevated Installation >20' To 25', Add	*14.65*	
		For Elevated Installation >25' To 30', Add	*20.51*	
		For Elevated Installation >30' To 35', Add	*23.44*	
		For Elevated Installation >35' To 40', Add	*29.31*	
		For Elevated Installation >40', Add	*32.24*	
23 31 13 16-0019	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	82.79	35.69
		For Seal Class B, Add	*10.71*	
		For Seal Class A, Add	*28.55*	
		For 28 Gauge, Deduct	*-1.58*	
		For 24 Gauge, Add	*1.57*	
		For 22 Gauge, Add	*3.14*	
		For 20 Gauge, Add	*4.72*	
		For 18 Gauge, Add	*6.28*	
		For 16 Gauge, Add	*7.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.44*	
		For Work In Restricted Working Space, Add	*21.41*	
		For Elevated Installation >10' To 15', Add	*7.14*	
		For Elevated Installation >15' To 20', Add	*14.28*	
		For Elevated Installation >20' To 25', Add	*17.85*	
		For Elevated Installation >25' To 30', Add	*24.98*	
		For Elevated Installation >30' To 35', Add	*28.55*	
		For Elevated Installation >35' To 40', Add	*35.69*	
		For Elevated Installation >40', Add	*39.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0020	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	126.52	55.73
		For Seal Class B, Add	*16.72*	
		For Seal Class A, Add	*44.58*	
		For 28 Gauge, Deduct	*-2.09*	
		For 24 Gauge, Add	*2.08*	
		For 22 Gauge, Add	*4.15*	
		For 20 Gauge, Add	*6.23*	
		For 18 Gauge, Add	*8.28*	
		For 16 Gauge, Add	*10.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.14*	
		For Work In Restricted Working Space, Add	*33.44*	
		For Elevated Installation >10' To 15', Add	*11.15*	
		For Elevated Installation >15' To 20', Add	*22.29*	
		For Elevated Installation >20' To 25', Add	*27.87*	
		For Elevated Installation >25' To 30', Add	*39.01*	
		For Elevated Installation >30' To 35', Add	*44.58*	
		For Elevated Installation >35' To 40', Add	*55.73*	
		For Elevated Installation >40', Add	*61.30*	
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	174.44	77.02
		For Seal Class B, Add	*23.10*	
		For Seal Class A, Add	*61.61*	
		For 28 Gauge, Deduct	*-2.83*	
		For 24 Gauge, Add	*2.82*	
		For 22 Gauge, Add	*5.62*	
		For 20 Gauge, Add	*8.45*	
		For 18 Gauge, Add	*11.23*	
		For 16 Gauge, Add	*13.78*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.10*	
		For Work In Restricted Working Space, Add	*46.21*	
		For Elevated Installation >10' To 15', Add	*15.40*	
		For Elevated Installation >15' To 20', Add	*30.81*	
		For Elevated Installation >20' To 25', Add	*38.51*	
		For Elevated Installation >25' To 30', Add	*53.91*	
		For Elevated Installation >30' To 35', Add	*61.61*	
		For Elevated Installation >35' To 40', Add	*77.02*	
		For Elevated Installation >40', Add	*84.72*	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	213.49	91.10
		For Seal Class B, Add	*27.33*	
		For Seal Class A, Add	*72.88*	
		For 28 Gauge, Deduct	*-4.33*	
		For 24 Gauge, Add	*4.32*	
		For 22 Gauge, Add	*8.62*	
		For 20 Gauge, Add	*12.95*	
		For 18 Gauge, Add	*17.20*	
		For 16 Gauge, Add	*21.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*54.66*	
		For Elevated Installation >10' To 15', Add	*18.22*	
		For Elevated Installation >15' To 20', Add	*36.44*	
		For Elevated Installation >20' To 25', Add	*45.55*	
		For Elevated Installation >25' To 30', Add	*63.77*	
		For Elevated Installation >30' To 35', Add	*72.88*	
		For Elevated Installation >35' To 40', Add	*91.11*	
		For Elevated Installation >40', Add	*100.22*	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	245.20	100.18
		For Seal Class B, Add	*30.06*	
		For Seal Class A, Add	*80.15*	
		For 28 Gauge, Deduct	*-6.21*	
		For 24 Gauge, Add	*6.19*	
		For 22 Gauge, Add	*12.35*	
		For 20 Gauge, Add	*18.56*	
		For 18 Gauge, Add	*24.66*	
		For 16 Gauge, Add	*30.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.17*	
		For Work In Restricted Working Space, Add	*60.11*	
		For Elevated Installation >10' To 15', Add	*20.04*	
		For Elevated Installation >15' To 20', Add	*40.07*	
		For Elevated Installation >20' To 25', Add	*50.09*	
		For Elevated Installation >25' To 30', Add	*70.13*	
		For Elevated Installation >30' To 35', Add	*80.15*	
		For Elevated Installation >35' To 40', Add	*100.19*	
		For Elevated Installation >40', Add	*110.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	275.63	104.25
		For Seal Class B, Add	*31.28*	
		For Seal Class A, Add	*83.40*	
		For 28 Gauge, Deduct	*-9.30*	
		For 24 Gauge, Add	*9.26*	
		For 22 Gauge, Add	*18.49*	
		For 20 Gauge, Add	*27.79*	
		For 18 Gauge, Add	*36.92*	
		For 16 Gauge, Add	*45.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.67*	
		For Work In Restricted Working Space, Add	*62.55*	
		For Elevated Installation >10' To 15', Add	*20.85*	
		For Elevated Installation >15' To 20', Add	*41.70*	
		For Elevated Installation >20' To 25', Add	*52.13*	
		For Elevated Installation >25' To 30', Add	*72.98*	
		For Elevated Installation >30' To 35', Add	*83.40*	
		For Elevated Installation >35' To 40', Add	*104.26*	
		For Elevated Installation >40', Add	*114.68*	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow	304.88	107.69
		For Seal Class B, Add	*32.31*	
		For Seal Class A, Add	*86.16*	
		For 28 Gauge, Deduct	*-12.39*	
		For 24 Gauge, Add	*12.35*	
		For 22 Gauge, Add	*24.65*	
		For 20 Gauge, Add	*37.05*	
		For 18 Gauge, Add	*49.22*	
		For 16 Gauge, Add	*60.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.22*	
		For Work In Restricted Working Space, Add	*64.62*	
		For Elevated Installation >10' To 15', Add	*21.54*	
		For Elevated Installation >15' To 20', Add	*43.08*	
		For Elevated Installation >20' To 25', Add	*53.85*	
		For Elevated Installation >25' To 30', Add	*75.39*	
		For Elevated Installation >30' To 35', Add	*86.16*	
		For Elevated Installation >35' To 40', Add	*107.70*	
		For Elevated Installation >40', Add	*118.46*	

23 31 13 16-0026 Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0027	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	34.08	11.27
		For Seal Class B, Add	*4.23*	
		For Seal Class A, Add	*11.27*	
		For 28 Gauge, Deduct	*-0.82*	
		For 24 Gauge, Add	*0.81*	
		For 22 Gauge, Add	*1.63*	
		For 20 Gauge, Add	*2.44*	
		For 18 Gauge, Add	*3.25*	
		For 16 Gauge, Add	*3.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.37*	
		For Work In Restricted Working Space, Add	*8.45*	
		For Elevated Installation >10' To 15', Add	*2.82*	
		For Elevated Installation >15' To 20', Add	*5.64*	
		For Elevated Installation >20' To 25', Add	*7.05*	
		For Elevated Installation >25' To 30', Add	*9.86*	
		For Elevated Installation >30' To 35', Add	*11.27*	
		For Elevated Installation >35' To 40', Add	*14.09*	
		For Elevated Installation >40', Add	*15.50*	
23 31 13 16-0028	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	38.93	12.90
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*12.88*	
		For 28 Gauge, Deduct	*-0.93*	
		For 24 Gauge, Add	*0.93*	
		For 22 Gauge, Add	*1.85*	
		For 20 Gauge, Add	*2.79*	
		For 18 Gauge, Add	*3.70*	
		For 16 Gauge, Add	*4.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.98*	
		For Work In Restricted Working Space, Add	*9.66*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.44*	
		For Elevated Installation >20' To 25', Add	*8.05*	
		For Elevated Installation >25' To 30', Add	*11.27*	
		For Elevated Installation >30' To 35', Add	*12.88*	
		For Elevated Installation >35' To 40', Add	*16.10*	
		For Elevated Installation >40', Add	*17.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0029	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	45.23	15.03
		For Seal Class B, Add	*5.64*	
		For Seal Class A, Add	*15.03*	
		For 28 Gauge, Deduct	*-1.06*	
		For 24 Gauge, Add	*1.06*	
		For 22 Gauge, Add	*2.11*	
		For 20 Gauge, Add	*3.17*	
		For 18 Gauge, Add	*4.21*	
		For 16 Gauge, Add	*5.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.67*	
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.03*	
		For Elevated Installation >35' To 40', Add	*18.79*	
		For Elevated Installation >40', Add	*20.66*	
23 31 13 16-0030	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	53.20	18.03
		For Seal Class B, Add	*6.76*	
		For Seal Class A, Add	*18.03*	
		For 28 Gauge, Deduct	*-1.12*	
		For 24 Gauge, Add	*1.12*	
		For 22 Gauge, Add	*2.24*	
		For 20 Gauge, Add	*3.36*	
		For 18 Gauge, Add	*4.47*	
		For 16 Gauge, Add	*5.48*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.01*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.02*	
		For Elevated Installation >20' To 25', Add	*11.27*	
		For Elevated Installation >25' To 30', Add	*15.78*	
		For Elevated Installation >30' To 35', Add	*18.03*	
		For Elevated Installation >35' To 40', Add	*22.54*	
		For Elevated Installation >40', Add	*24.79*	
23 31 13 16-0031	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	65.78	22.54
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*22.54*	
		For 28 Gauge, Deduct	*-1.31*	
		For 24 Gauge, Add	*1.30*	
		For 22 Gauge, Add	*2.60*	
		For 20 Gauge, Add	*3.90*	
		For 18 Gauge, Add	*5.19*	
		For 16 Gauge, Add	*6.37*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.98*	
		For Work In Restricted Working Space, Add	*16.91*	
		For Elevated Installation >10' To 15', Add	*5.64*	
		For Elevated Installation >15' To 20', Add	*11.27*	
		For Elevated Installation >20' To 25', Add	*14.09*	
		For Elevated Installation >25' To 30', Add	*19.72*	
		For Elevated Installation >30' To 35', Add	*22.54*	
		For Elevated Installation >35' To 40', Add	*28.18*	
		For Elevated Installation >40', Add	*30.99*	
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	88.61	30.06
		For Seal Class B, Add	*11.27*	
		For Seal Class A, Add	*30.06*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*22.54*	
		For Elevated Installation >10' To 15', Add	*7.51*	
		For Elevated Installation >15' To 20', Add	*15.03*	
		For Elevated Installation >20' To 25', Add	*18.79*	
		For Elevated Installation >25' To 30', Add	*26.30*	
		For Elevated Installation >30' To 35', Add	*30.06*	
		For Elevated Installation >35' To 40', Add	*37.57*	
		For Elevated Installation >40', Add	*41.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	130.53	45.08
		For Seal Class B, Add	*16.91*	
		For Seal Class A, Add	*45.08*	
		For 28 Gauge, Deduct	*-2.47*	
		For 24 Gauge, Add	*2.46*	
		For 22 Gauge, Add	*4.91*	
		For 20 Gauge, Add	*7.38*	
		For 18 Gauge, Add	*9.80*	
		For 16 Gauge, Add	*12.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.19*	
		For Work In Restricted Working Space, Add	*33.81*	
		For Elevated Installation >10' To 15', Add	*11.27*	
		For Elevated Installation >15' To 20', Add	*22.54*	
		For Elevated Installation >20' To 25', Add	*28.18*	
		For Elevated Installation >25' To 30', Add	*39.45*	
		For Elevated Installation >30' To 35', Add	*45.08*	
		For Elevated Installation >35' To 40', Add	*56.36*	
		For Elevated Installation >40', Add	*61.99*	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	177.36	57.60
		For Seal Class B, Add	*21.60*	
		For Seal Class A, Add	*57.60*	
		For 28 Gauge, Deduct	*-4.62*	
		For 24 Gauge, Add	*4.60*	
		For 22 Gauge, Add	*9.19*	
		For 20 Gauge, Add	*13.81*	
		For 18 Gauge, Add	*18.34*	
		For 16 Gauge, Add	*22.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.68*	
		For Work In Restricted Working Space, Add	*43.20*	
		For Elevated Installation >10' To 15', Add	*14.40*	
		For Elevated Installation >15' To 20', Add	*28.80*	
		For Elevated Installation >20' To 25', Add	*36.00*	
		For Elevated Installation >25' To 30', Add	*50.40*	
		For Elevated Installation >30' To 35', Add	*57.60*	
		For Elevated Installation >35' To 40', Add	*72.01*	
		For Elevated Installation >40', Add	*79.21*	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	222.39	72.63
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*72.63*	
		For 28 Gauge, Deduct	*-5.65*	
		For 24 Gauge, Add	*5.63*	
		For 22 Gauge, Add	*11.24*	
		For 20 Gauge, Add	*16.90*	
		For 18 Gauge, Add	*22.45*	
		For 16 Gauge, Add	*27.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.20*	
		For Work In Restricted Working Space, Add	*54.47*	
		For Elevated Installation >10' To 15', Add	*18.16*	
		For Elevated Installation >15' To 20', Add	*36.32*	
		For Elevated Installation >20' To 25', Add	*45.40*	
		For Elevated Installation >25' To 30', Add	*63.55*	
		For Elevated Installation >30' To 35', Add	*72.63*	
		For Elevated Installation >35' To 40', Add	*90.79*	
		For Elevated Installation >40', Add	*99.87*	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	252.49	75.76
		For Seal Class B, Add	*28.37*	
		For Seal Class A, Add	*75.64*	
		For 28 Gauge, Deduct	*-8.78*	
		For 24 Gauge, Add	*8.75*	
		For 22 Gauge, Add	*17.46*	
		For 20 Gauge, Add	*26.24*	
		For 18 Gauge, Add	*34.86*	
		For 16 Gauge, Add	*42.79*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.91*	
		For Work In Restricted Working Space, Add	*56.73*	
		For Elevated Installation >10' To 15', Add	*18.91*	
		For Elevated Installation >15' To 20', Add	*37.82*	
		For Elevated Installation >20' To 25', Add	*47.28*	
		For Elevated Installation >25' To 30', Add	*66.19*	
		For Elevated Installation >30' To 35', Add	*75.64*	
		For Elevated Installation >35' To 40', Add	*94.55*	
		For Elevated Installation >40', Add	*104.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow	278.62	77.64
		For Seal Class B, Add	*29.12*	
		For Seal Class A, Add	*77.64*	
		For 28 Gauge, Deduct	*-11.71*	
		For 24 Gauge, Add	*11.66*	
		For 22 Gauge, Add	*23.29*	
		For 20 Gauge, Add	*34.99*	
		For 18 Gauge, Add	*46.49*	
		For 16 Gauge, Add	*57.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.54*	
		For Work In Restricted Working Space, Add	*58.23*	
		For Elevated Installation >10' To 15', Add	*19.41*	
		For Elevated Installation >15' To 20', Add	*38.82*	
		For Elevated Installation >20' To 25', Add	*48.53*	
		For Elevated Installation >25' To 30', Add	*67.94*	
		For Elevated Installation >30' To 35', Add	*77.64*	
		For Elevated Installation >35' To 40', Add	*97.05*	
		For Elevated Installation >40', Add	*106.76*	

23 31 13 16-0038 Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows *(23 31 13 16-0001)*

23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	31.89	11.27
		For Seal Class B, Add	*4.23*	
		For Seal Class A, Add	*11.27*	
		For 28 Gauge, Deduct	*-0.51*	
		For 24 Gauge, Add	*0.51*	
		For 22 Gauge, Add	*1.02*	
		For 20 Gauge, Add	*1.54*	
		For 18 Gauge, Add	*2.04*	
		For 16 Gauge, Add	*2.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.75*	
		For Work In Restricted Working Space, Add	*8.45*	
		For Elevated Installation >10' To 15', Add	*2.82*	
		For Elevated Installation >15' To 20', Add	*5.64*	
		For Elevated Installation >20' To 25', Add	*7.05*	
		For Elevated Installation >25' To 30', Add	*9.86*	
		For Elevated Installation >30' To 35', Add	*11.27*	
		For Elevated Installation >35' To 40', Add	*14.09*	
		For Elevated Installation >40', Add	*15.50*	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	36.96	12.90
		For Seal Class B, Add	*4.83*	
		For Seal Class A, Add	*12.88*	
		For 28 Gauge, Deduct	*-0.66*	
		For 24 Gauge, Add	*0.66*	
		For 22 Gauge, Add	*1.31*	
		For 20 Gauge, Add	*1.97*	
		For 18 Gauge, Add	*2.62*	
		For 16 Gauge, Add	*3.21*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.52*	
		For Work In Restricted Working Space, Add	*9.66*	
		For Elevated Installation >10' To 15', Add	*3.22*	
		For Elevated Installation >15' To 20', Add	*6.44*	
		For Elevated Installation >20' To 25', Add	*8.05*	
		For Elevated Installation >25' To 30', Add	*11.27*	
		For Elevated Installation >30' To 35', Add	*12.88*	
		For Elevated Installation >35' To 40', Add	*16.10*	
		For Elevated Installation >40', Add	*17.71*	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	42.77	15.03
		For Seal Class B, Add	*5.64*	
		For Seal Class A, Add	*15.03*	
		For 28 Gauge, Deduct	*-0.72*	
		For 24 Gauge, Add	*0.72*	
		For 22 Gauge, Add	*1.43*	
		For 20 Gauge, Add	*2.15*	
		For 18 Gauge, Add	*2.86*	
		For 16 Gauge, Add	*3.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.85*	
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.03*	
		For Elevated Installation >35' To 40', Add	*18.79*	
		For Elevated Installation >40', Add	*20.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	51.11	18.03
		For Seal Class B, Add	*6.76*	
		For Seal Class A, Add	*18.03*	
		For 28 Gauge, Deduct	*-0.84*	
		For 24 Gauge, Add	*0.83*	
		For 22 Gauge, Add	*1.66*	
		For 20 Gauge, Add	*2.50*	
		For 18 Gauge, Add	*3.32*	
		For 16 Gauge, Add	*4.07*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.46*	
		For Work In Restricted Working Space, Add	*13.52*	
		For Elevated Installation >10' To 15', Add	*4.51*	
		For Elevated Installation >15' To 20', Add	*9.02*	
		For Elevated Installation >20' To 25', Add	*11.27*	
		For Elevated Installation >25' To 30', Add	*15.78*	
		For Elevated Installation >30' To 35', Add	*18.03*	
		For Elevated Installation >35' To 40', Add	*22.54*	
		For Elevated Installation >40', Add	*24.79*	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	63.21	22.54
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*22.54*	
		For 28 Gauge, Deduct	*-0.95*	
		For 24 Gauge, Add	*0.95*	
		For 22 Gauge, Add	*1.89*	
		For 20 Gauge, Add	*2.84*	
		For 18 Gauge, Add	*3.77*	
		For 16 Gauge, Add	*4.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.08*	
		For Work In Restricted Working Space, Add	*16.91*	
		For Elevated Installation >10' To 15', Add	*5.64*	
		For Elevated Installation >15' To 20', Add	*11.27*	
		For Elevated Installation >20' To 25', Add	*14.09*	
		For Elevated Installation >25' To 30', Add	*19.72*	
		For Elevated Installation >30' To 35', Add	*22.54*	
		For Elevated Installation >35' To 40', Add	*28.18*	
		For Elevated Installation >40', Add	*30.99*	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	85.60	30.06
		For Seal Class B, Add	*11.27*	
		For Seal Class A, Add	*30.06*	
		For 28 Gauge, Deduct	*-1.45*	
		For 24 Gauge, Add	*1.44*	
		For 22 Gauge, Add	*2.88*	
		For 20 Gauge, Add	*4.33*	
		For 18 Gauge, Add	*5.75*	
		For 16 Gauge, Add	*7.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.74*	
		For Work In Restricted Working Space, Add	*22.54*	
		For Elevated Installation >10' To 15', Add	*7.51*	
		For Elevated Installation >15' To 20', Add	*15.03*	
		For Elevated Installation >20' To 25', Add	*18.79*	
		For Elevated Installation >25' To 30', Add	*26.30*	
		For Elevated Installation >30' To 35', Add	*30.06*	
		For Elevated Installation >35' To 40', Add	*37.57*	
		For Elevated Installation >40', Add	*41.33*	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	126.18	45.08
		For Seal Class B, Add	*16.91*	
		For Seal Class A, Add	*45.08*	
		For 28 Gauge, Deduct	*-1.87*	
		For 24 Gauge, Add	*1.86*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*5.58*	
		For 18 Gauge, Add	*7.41*	
		For 16 Gauge, Add	*9.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.97*	
		For Work In Restricted Working Space, Add	*33.81*	
		For Elevated Installation >10' To 15', Add	*11.27*	
		For Elevated Installation >15' To 20', Add	*22.54*	
		For Elevated Installation >20' To 25', Add	*28.18*	
		For Elevated Installation >25' To 30', Add	*39.45*	
		For Elevated Installation >30' To 35', Add	*45.08*	
		For Elevated Installation >35' To 40', Add	*56.36*	
		For Elevated Installation >40', Add	*61.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	167.32	57.60
		For Seal Class B, Add	*21.60*	
		For Seal Class A, Add	*57.60*	
		For 28 Gauge, Deduct	*-3.23*	
		For 24 Gauge, Add	*3.22*	
		For 22 Gauge, Add	*6.42*	
		For 20 Gauge, Add	*9.65*	
		For 18 Gauge, Add	*12.82*	
		For 16 Gauge, Add	*15.73*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.25*	
		For Work In Restricted Working Space, Add	*43.20*	
		For Elevated Installation >10' To 15', Add	*14.40*	
		For Elevated Installation >15' To 20', Add	*28.80*	
		For Elevated Installation >20' To 25', Add	*36.00*	
		For Elevated Installation >25' To 30', Add	*50.40*	
		For Elevated Installation >30' To 35', Add	*57.60*	
		For Elevated Installation >35' To 40', Add	*72.01*	
		For Elevated Installation >40', Add	*79.21*	
23 31 13 16-0047	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	219.80	72.63
		For Seal Class B, Add	*27.24*	
		For Seal Class A, Add	*72.63*	
		For 28 Gauge, Deduct	*-5.29*	
		For 24 Gauge, Add	*5.27*	
		For 22 Gauge, Add	*10.53*	
		For 20 Gauge, Add	*15.82*	
		For 18 Gauge, Add	*21.02*	
		For 16 Gauge, Add	*25.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.28*	
		For Work In Restricted Working Space, Add	*54.47*	
		For Elevated Installation >10' To 15', Add	*18.16*	
		For Elevated Installation >15' To 20', Add	*36.32*	
		For Elevated Installation >20' To 25', Add	*45.40*	
		For Elevated Installation >25' To 30', Add	*63.55*	
		For Elevated Installation >30' To 35', Add	*72.63*	
		For Elevated Installation >35' To 40', Add	*90.79*	
		For Elevated Installation >40', Add	*99.87*	
23 31 13 16-0048	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	235.30	75.76
		For Seal Class B, Add	*28.37*	
		For Seal Class A, Add	*75.64*	
		For 28 Gauge, Deduct	*-6.40*	
		For 24 Gauge, Add	*6.38*	
		For 22 Gauge, Add	*12.73*	
		For 20 Gauge, Add	*19.13*	
		For 18 Gauge, Add	*25.41*	
		For 16 Gauge, Add	*31.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*34.19*	
		For Work In Restricted Working Space, Add	*56.73*	
		For Elevated Installation >10' To 15', Add	*18.91*	
		For Elevated Installation >15' To 20', Add	*37.82*	
		For Elevated Installation >20' To 25', Add	*47.28*	
		For Elevated Installation >25' To 30', Add	*66.19*	
		For Elevated Installation >30' To 35', Add	*75.64*	
		For Elevated Installation >35' To 40', Add	*94.55*	
		For Elevated Installation >40', Add	*104.01*	
23 31 13 16-0049	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow	253.29	77.64
		For Seal Class B, Add	*29.12*	
		For Seal Class A, Add	*77.64*	
		For 28 Gauge, Deduct	*-8.20*	
		For 24 Gauge, Add	*8.17*	
		For 22 Gauge, Add	*16.31*	
		For 20 Gauge, Add	*24.50*	
		For 18 Gauge, Add	*32.55*	
		For 16 Gauge, Add	*39.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.80*	
		For Work In Restricted Working Space, Add	*58.23*	
		For Elevated Installation >10' To 15', Add	*19.41*	
		For Elevated Installation >15' To 20', Add	*38.82*	
		For Elevated Installation >20' To 25', Add	*48.53*	
		For Elevated Installation >25' To 30', Add	*67.94*	
		For Elevated Installation >30' To 35', Add	*77.64*	
		For Elevated Installation >35' To 40', Add	*97.05*	
		For Elevated Installation >40', Add	*106.76*	

23 31 13 16-0050 Galvanized Sheet Metal Round And Flat-Oval Tees *(23 31 13 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0051	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	50.53	16.90
		For Seal Class B, Add	*6.34*	
		For Seal Class A, Add	*16.90*	
		For 28 Gauge, Deduct	*-1.15*	
		For 24 Gauge, Add	*1.14*	
		For 22 Gauge, Add	*2.28*	
		For 20 Gauge, Add	*3.42*	
		For 18 Gauge, Add	*4.55*	
		For 16 Gauge, Add	*5.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.12*	
		For Work In Restricted Working Space, Add	*12.68*	
		For Elevated Installation >10' To 15', Add	*4.23*	
		For Elevated Installation >15' To 20', Add	*8.45*	
		For Elevated Installation >20' To 25', Add	*10.57*	
		For Elevated Installation >25' To 30', Add	*14.79*	
		For Elevated Installation >30' To 35', Add	*16.90*	
		For Elevated Installation >35' To 40', Add	*21.13*	
		For Elevated Installation >40', Add	*23.24*	
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	59.29	19.29
		For Seal Class B, Add	*7.25*	
		For Seal Class A, Add	*19.32*	
		For 28 Gauge, Deduct	*-1.52*	
		For 24 Gauge, Add	*1.52*	
		For 22 Gauge, Add	*3.02*	
		For 20 Gauge, Add	*4.55*	
		For 18 Gauge, Add	*6.04*	
		For 16 Gauge, Add	*7.41*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.13*	
		For Work In Restricted Working Space, Add	*14.49*	
		For Elevated Installation >10' To 15', Add	*4.83*	
		For Elevated Installation >15' To 20', Add	*9.66*	
		For Elevated Installation >20' To 25', Add	*12.08*	
		For Elevated Installation >25' To 30', Add	*16.91*	
		For Elevated Installation >30' To 35', Add	*19.32*	
		For Elevated Installation >35' To 40', Add	*24.16*	
		For Elevated Installation >40', Add	*26.57*	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	68.26	22.54
		For Seal Class B, Add	*8.45*	
		For Seal Class A, Add	*22.54*	
		For 28 Gauge, Deduct	*-1.65*	
		For 24 Gauge, Add	*1.64*	
		For 22 Gauge, Add	*3.28*	
		For 20 Gauge, Add	*4.93*	
		For 18 Gauge, Add	*6.55*	
		For 16 Gauge, Add	*8.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.81*	
		For Work In Restricted Working Space, Add	*16.91*	
		For Elevated Installation >10' To 15', Add	*5.64*	
		For Elevated Installation >15' To 20', Add	*11.27*	
		For Elevated Installation >20' To 25', Add	*14.09*	
		For Elevated Installation >25' To 30', Add	*19.72*	
		For Elevated Installation >30' To 35', Add	*22.54*	
		For Elevated Installation >35' To 40', Add	*28.18*	
		For Elevated Installation >40', Add	*30.99*	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	81.33	27.05
		For Seal Class B, Add	*10.14*	
		For Seal Class A, Add	*27.05*	
		For 28 Gauge, Deduct	*-1.90*	
		For 24 Gauge, Add	*1.89*	
		For 22 Gauge, Add	*3.78*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*7.54*	
		For 16 Gauge, Add	*9.25*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.15*	
		For Work In Restricted Working Space, Add	*20.29*	
		For Elevated Installation >10' To 15', Add	*6.76*	
		For Elevated Installation >15' To 20', Add	*13.52*	
		For Elevated Installation >20' To 25', Add	*16.91*	
		For Elevated Installation >25' To 30', Add	*23.67*	
		For Elevated Installation >30' To 35', Add	*27.05*	
		For Elevated Installation >35' To 40', Add	*33.81*	
		For Elevated Installation >40', Add	*37.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	106.71	33.81
		For Seal Class B, Add	*12.68*	
		For Seal Class A, Add	*33.82*	
		For 28 Gauge, Deduct	*-3.07*	
		For 24 Gauge, Add	*3.06*	
		For 22 Gauge, Add	*6.11*	
		For 20 Gauge, Add	*9.18*	
		For 18 Gauge, Add	*12.19*	
		For 16 Gauge, Add	*14.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.41*	
		For Work In Restricted Working Space, Add	*25.36*	
		For Elevated Installation >10' To 15', Add	*8.45*	
		For Elevated Installation >15' To 20', Add	*16.91*	
		For Elevated Installation >20' To 25', Add	*21.14*	
		For Elevated Installation >25' To 30', Add	*29.59*	
		For Elevated Installation >30' To 35', Add	*33.82*	
		For Elevated Installation >35' To 40', Add	*42.27*	
		For Elevated Installation >40', Add	*46.50*	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	140.99	45.08
		For Seal Class B, Add	*16.91*	
		For Seal Class A, Add	*45.08*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*33.81*	
		For Elevated Installation >10' To 15', Add	*11.27*	
		For Elevated Installation >15' To 20', Add	*22.54*	
		For Elevated Installation >20' To 25', Add	*28.18*	
		For Elevated Installation >25' To 30', Add	*39.45*	
		For Elevated Installation >30' To 35', Add	*45.08*	
		For Elevated Installation >35' To 40', Add	*56.36*	
		For Elevated Installation >40', Add	*61.99*	
23 31 13 16-0057	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	197.31	67.63
		For Seal Class B, Add	*25.35*	
		For Seal Class A, Add	*67.61*	
		For 28 Gauge, Deduct	*-3.92*	
		For 24 Gauge, Add	*3.90*	
		For 22 Gauge, Add	*7.79*	
		For 20 Gauge, Add	*11.71*	
		For 18 Gauge, Add	*15.55*	
		For 16 Gauge, Add	*19.09*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*20.93*	
		For Work In Restricted Working Space, Add	*50.71*	
		For Elevated Installation >10' To 15', Add	*16.90*	
		For Elevated Installation >15' To 20', Add	*33.81*	
		For Elevated Installation >20' To 25', Add	*42.26*	
		For Elevated Installation >25' To 30', Add	*59.16*	
		For Elevated Installation >30' To 35', Add	*67.61*	
		For Elevated Installation >35' To 40', Add	*84.52*	
		For Elevated Installation >40', Add	*92.97*	
23 31 13 16-0058	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	269.77	86.16
		For Seal Class B, Add	*32.39*	
		For Seal Class A, Add	*86.36*	
		For 28 Gauge, Deduct	*-7.46*	
		For 24 Gauge, Add	*7.43*	
		For 22 Gauge, Add	*14.84*	
		For 20 Gauge, Add	*22.30*	
		For 18 Gauge, Add	*29.62*	
		For 16 Gauge, Add	*36.36*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*39.86*	
		For Work In Restricted Working Space, Add	*64.77*	
		For Elevated Installation >10' To 15', Add	*21.59*	
		For Elevated Installation >15' To 20', Add	*43.18*	
		For Elevated Installation >20' To 25', Add	*53.98*	
		For Elevated Installation >25' To 30', Add	*75.57*	
		For Elevated Installation >30' To 35', Add	*86.36*	
		For Elevated Installation >35' To 40', Add	*107.96*	
		For Elevated Installation >40', Add	*118.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0059	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	347.85	109.20
		For Seal Class B, Add	*40.84*	
		For Seal Class A, Add	*108.90*	
		For 28 Gauge, Deduct	*-10.47*	
		For 24 Gauge, Add	*10.43*	
		For 22 Gauge, Add	*20.83*	
		For 20 Gauge, Add	*31.30*	
		For 18 Gauge, Add	*41.59*	
		For 16 Gauge, Add	*51.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.95*	
		For Work In Restricted Working Space, Add	*81.67*	
		For Elevated Installation >10' To 15', Add	*27.22*	
		For Elevated Installation >15' To 20', Add	*54.45*	
		For Elevated Installation >20' To 25', Add	*68.06*	
		For Elevated Installation >25' To 30', Add	*95.28*	
		For Elevated Installation >30' To 35', Add	*108.90*	
		For Elevated Installation >35' To 40', Add	*136.12*	
		For Elevated Installation >40', Add	*149.73*	
23 31 13 16-0060	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	400.63	121.47
		For Seal Class B, Add	*45.65*	
		For Seal Class A, Add	*121.72*	
		For 28 Gauge, Deduct	*-13.34*	
		For 24 Gauge, Add	*13.29*	
		For 22 Gauge, Add	*26.54*	
		For 20 Gauge, Add	*39.88*	
		For 18 Gauge, Add	*52.98*	
		For 16 Gauge, Add	*65.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.28*	
		For Work In Restricted Working Space, Add	*91.29*	
		For Elevated Installation >10' To 15', Add	*30.43*	
		For Elevated Installation >15' To 20', Add	*60.86*	
		For Elevated Installation >20' To 25', Add	*76.08*	
		For Elevated Installation >25' To 30', Add	*106.51*	
		For Elevated Installation >30' To 35', Add	*121.72*	
		For Elevated Installation >35' To 40', Add	*152.15*	
		For Elevated Installation >40', Add	*167.37*	
23 31 13 16-0061	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee	421.22	125.85
		For Seal Class B, Add	*47.15*	
		For Seal Class A, Add	*125.73*	
		For 28 Gauge, Deduct	*-14.80*	
		For 24 Gauge, Add	*14.75*	
		For 22 Gauge, Add	*29.45*	
		For 20 Gauge, Add	*44.25*	
		For 18 Gauge, Add	*58.79*	
		For 16 Gauge, Add	*72.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*79.10*	
		For Work In Restricted Working Space, Add	*94.30*	
		For Elevated Installation >10' To 15', Add	*31.43*	
		For Elevated Installation >15' To 20', Add	*62.87*	
		For Elevated Installation >20' To 25', Add	*78.58*	
		For Elevated Installation >25' To 30', Add	*110.02*	
		For Elevated Installation >30' To 35', Add	*125.73*	
		For Elevated Installation >35' To 40', Add	*157.17*	
		For Elevated Installation >40', Add	*172.88*	

23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors *(23 31 13 16-0001)*

23 31 13 16-0063	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	22.81	
		For Seal Class B, Add	*3.00*	
		For Seal Class A, Add	*8.01*	
		For Work In Restricted Working Space, Add	*6.01*	
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.01*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.01*	
		For Elevated Installation >35' To 40', Add	*10.02*	
		For Elevated Installation >40', Add	*11.02*	
23 31 13 16-0064	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	24.04	
		For Seal Class B, Add	*3.16*	
		For Seal Class A, Add	*8.42*	
		For Work In Restricted Working Space, Add	*6.32*	
		For Elevated Installation >10' To 15', Add	*2.11*	
		For Elevated Installation >15' To 20', Add	*4.21*	
		For Elevated Installation >20' To 25', Add	*5.27*	
		For Elevated Installation >25' To 30', Add	*7.37*	
		For Elevated Installation >30' To 35', Add	*8.42*	
		For Elevated Installation >35' To 40', Add	*10.53*	
		For Elevated Installation >40', Add	*11.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0065	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	25.75	
		For Seal Class B, Add	*3.38*	
		For Seal Class A, Add	*9.02*	
		For Work In Restricted Working Space, Add	*6.76*	
		For Elevated Installation >10' To 15', Add	*2.25*	
		For Elevated Installation >15' To 20', Add	*4.51*	
		For Elevated Installation >20' To 25', Add	*5.64*	
		For Elevated Installation >25' To 30', Add	*7.89*	
		For Elevated Installation >30' To 35', Add	*9.02*	
		For Elevated Installation >35' To 40', Add	*11.27*	
		For Elevated Installation >40', Add	*12.40*	
23 31 13 16-0066	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	27.47	
		For Seal Class B, Add	*3.57*	
		For Seal Class A, Add	*9.52*	
		For Work In Restricted Working Space, Add	*7.14*	
		For Elevated Installation >10' To 15', Add	*2.38*	
		For Elevated Installation >15' To 20', Add	*4.76*	
		For Elevated Installation >20' To 25', Add	*5.95*	
		For Elevated Installation >25' To 30', Add	*8.33*	
		For Elevated Installation >30' To 35', Add	*9.52*	
		For Elevated Installation >35' To 40', Add	*11.90*	
		For Elevated Installation >40', Add	*13.09*	
23 31 13 16-0067	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	29.81	
		For Seal Class B, Add	*3.85*	
		For Seal Class A, Add	*10.27*	
		For Work In Restricted Working Space, Add	*7.70*	
		For Elevated Installation >10' To 15', Add	*2.57*	
		For Elevated Installation >15' To 20', Add	*5.13*	
		For Elevated Installation >20' To 25', Add	*6.42*	
		For Elevated Installation >25' To 30', Add	*8.98*	
		For Elevated Installation >30' To 35', Add	*10.27*	
		For Elevated Installation >35' To 40', Add	*12.84*	
		For Elevated Installation >40', Add	*14.12*	
23 31 13 16-0068	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	35.21	
		For Seal Class B, Add	*4.30*	
		For Seal Class A, Add	*11.47*	
		For Work In Restricted Working Space, Add	*8.60*	
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.74*	
		For Elevated Installation >20' To 25', Add	*7.17*	
		For Elevated Installation >25' To 30', Add	*10.04*	
		For Elevated Installation >30' To 35', Add	*11.47*	
		For Elevated Installation >35' To 40', Add	*14.34*	
		For Elevated Installation >40', Add	*15.77*	
23 31 13 16-0069	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	47.95	
		For Seal Class B, Add	*6.01*	
		For Seal Class A, Add	*16.03*	
		For Work In Restricted Working Space, Add	*12.02*	
		For Elevated Installation >10' To 15', Add	*4.01*	
		For Elevated Installation >15' To 20', Add	*8.02*	
		For Elevated Installation >20' To 25', Add	*10.02*	
		For Elevated Installation >25' To 30', Add	*14.03*	
		For Elevated Installation >30' To 35', Add	*16.03*	
		For Elevated Installation >35' To 40', Add	*20.04*	
		For Elevated Installation >40', Add	*22.04*	
23 31 13 16-0070	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	54.76	
		For Seal Class B, Add	*6.84*	
		For Seal Class A, Add	*18.24*	
		For Work In Restricted Working Space, Add	*13.68*	
		For Elevated Installation >10' To 15', Add	*4.56*	
		For Elevated Installation >15' To 20', Add	*9.12*	
		For Elevated Installation >20' To 25', Add	*11.40*	
		For Elevated Installation >25' To 30', Add	*15.96*	
		For Elevated Installation >30' To 35', Add	*18.24*	
		For Elevated Installation >35' To 40', Add	*22.80*	
		For Elevated Installation >40', Add	*25.08*	
23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	60.23	
		For Seal Class B, Add	*7.50*	
		For Seal Class A, Add	*19.99*	
		For Work In Restricted Working Space, Add	*14.99*	
		For Elevated Installation >10' To 15', Add	*5.00*	
		For Elevated Installation >15' To 20', Add	*10.00*	
		For Elevated Installation >20' To 25', Add	*12.50*	
		For Elevated Installation >25' To 30', Add	*17.49*	
		For Elevated Installation >30' To 35', Add	*19.99*	
		For Elevated Installation >35' To 40', Add	*24.99*	
		For Elevated Installation >40', Add	*27.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	65.56	
		For Seal Class B, Add	*8.12*	
		For Seal Class A, Add	*21.64*	
		For Work In Restricted Working Space, Add	*16.23*	
		For Elevated Installation >10' To 15', Add	*5.41*	
		For Elevated Installation >15' To 20', Add	*10.82*	
		For Elevated Installation >20' To 25', Add	*13.53*	
		For Elevated Installation >25' To 30', Add	*18.94*	
		For Elevated Installation >30' To 35', Add	*21.64*	
		For Elevated Installation >35' To 40', Add	*27.05*	
		For Elevated Installation >40', Add	*29.76*	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector	71.41	
		For Seal Class B, Add	*8.85*	
		For Seal Class A, Add	*23.59*	
		For Work In Restricted Working Space, Add	*17.69*	
		For Elevated Installation >10' To 15', Add	*5.90*	
		For Elevated Installation >15' To 20', Add	*11.80*	
		For Elevated Installation >20' To 25', Add	*14.75*	
		For Elevated Installation >25' To 30', Add	*20.64*	
		For Elevated Installation >30' To 35', Add	*23.59*	
		For Elevated Installation >35' To 40', Add	*29.49*	
		For Elevated Installation >40', Add	*32.44*	

23 31 13 16-0074 Slip Joint, Galvanized, Spiral Duct And Fittings *(23 31 13 16)*

23 31 13 16-0075 Slip Joint, Galvanized, Spiral Duct *(23 31 13 16-0074)*

23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	9.62	1.16
		For Seal Class B, Add	*0.93*	
		For Seal Class A, Add	*2.48*	
		For Up To 20', Add	*1.03*	
		For >20' To 50', Add	*0.41*	
		For >200' To 500', Deduct	*-0.26*	
		For >500', Deduct	*-0.43*	
		For 24 Gauge, Add	*0.69*	
		For 22 Gauge, Add	*1.58*	
		For 20 Gauge, Add	*2.57*	
		For 18 Gauge, Add	*3.94*	
		For 16 Gauge, Add	*4.80*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*2.54*	
		For Work In Restricted Working Space, Add	*1.86*	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	12.40	2.31
		For Seal Class B, Add	*1.11*	
		For Seal Class A, Add	*2.97*	
		For Up To 20', Add	*1.49*	
		For >20' To 50', Add	*0.60*	
		For >200' To 500', Deduct	*-0.37*	
		For >500', Deduct	*-0.62*	
		For 24 Gauge, Add	*0.99*	
		For 22 Gauge, Add	*2.29*	
		For 20 Gauge, Add	*3.73*	
		For 18 Gauge, Add	*5.72*	
		For 16 Gauge, Add	*6.96*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.68*	
		For Work In Restricted Working Space, Add	*2.23*	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	15.75	2.31
		For Seal Class B, Add	*1.38*	
		For Seal Class A, Add	*3.68*	
		For Up To 20', Add	*1.96*	
		For >20' To 50', Add	*0.78*	
		For >200' To 500', Deduct	*-0.49*	
		For >500', Deduct	*-0.82*	
		For 24 Gauge, Add	*1.31*	
		For 22 Gauge, Add	*3.01*	
		For 20 Gauge, Add	*4.91*	
		For 18 Gauge, Add	*7.52*	
		For 16 Gauge, Add	*9.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.84*	
		For Work In Restricted Working Space, Add	*2.76*	
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	19.14	2.31
		For Seal Class B, Add	*1.66*	
		For Seal Class A, Add	*4.43*	
		For Up To 20', Add	*2.42*	
		For >20' To 50', Add	*0.97*	
		For >200' To 500', Deduct	*-0.61*	
		For >500', Deduct	*-1.01*	
		For 24 Gauge, Add	*1.61*	
		For 22 Gauge, Add	*3.71*	
		For 20 Gauge, Add	*6.05*	
		For 18 Gauge, Add	*9.28*	
		For 16 Gauge, Add	*11.30*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.97*	
		For Work In Restricted Working Space, Add	*3.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	23.80	3.46
		For Seal Class B, Add	*2.08*	
		For Seal Class A, Add	*5.55*	
		For Up To 20', Add	*2.98*	
		For >20' To 50', Add	*1.19*	
		For >200' To 500', Deduct	*-0.74*	
		For >500', Deduct	*-1.24*	
		For 24 Gauge, Add	*1.99*	
		For 22 Gauge, Add	*4.57*	
		For 20 Gauge, Add	*7.45*	
		For 18 Gauge, Add	*11.42*	
		For 16 Gauge, Add	*13.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.35*	
		For Work In Restricted Working Space, Add	*4.16*	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	28.84	3.46
		For Seal Class B, Add	*2.60*	
		For Seal Class A, Add	*6.93*	
		For Up To 20', Add	*3.45*	
		For >20' To 50', Add	*1.38*	
		For >200' To 500', Deduct	*-0.86*	
		For >500', Deduct	*-1.44*	
		For 24 Gauge, Add	*2.30*	
		For 22 Gauge, Add	*5.29*	
		For 20 Gauge, Add	*8.63*	
		For 18 Gauge, Add	*13.24*	
		For 16 Gauge, Add	*16.11*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.52*	
		For Work In Restricted Working Space, Add	*5.20*	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	39.79	3.46
		For Seal Class B, Add	*3.46*	
		For Seal Class A, Add	*9.23*	
		For Up To 20', Add	*5.01*	
		For >20' To 50', Add	*2.01*	
		For >200' To 500', Deduct	*-1.25*	
		For >500', Deduct	*-2.09*	
		For 24 Gauge, Add	*3.34*	
		For 22 Gauge, Add	*7.69*	
		For 20 Gauge, Add	*12.53*	
		For 18 Gauge, Add	*19.22*	
		For 16 Gauge, Add	*23.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.37*	
		For Work In Restricted Working Space, Add	*6.92*	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	45.43	4.62
		For Seal Class B, Add	*4.04*	
		For Seal Class A, Add	*10.76*	
		For Up To 20', Add	*5.56*	
		For >20' To 50', Add	*2.22*	
		For >200' To 500', Deduct	*-1.39*	
		For >500', Deduct	*-2.32*	
		For 24 Gauge, Add	*3.71*	
		For 22 Gauge, Add	*8.52*	
		For 20 Gauge, Add	*13.90*	
		For 18 Gauge, Add	*21.31*	
		For 16 Gauge, Add	*25.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.71*	
		For Work In Restricted Working Space, Add	*8.07*	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	51.22	4.62
		For Seal Class B, Add	*4.58*	
		For Seal Class A, Add	*12.22*	
		For Up To 20', Add	*6.20*	
		For >20' To 50', Add	*2.48*	
		For >200' To 500', Deduct	*-1.55*	
		For >500', Deduct	*-2.58*	
		For 24 Gauge, Add	*4.13*	
		For 22 Gauge, Add	*9.51*	
		For 20 Gauge, Add	*15.50*	
		For 18 Gauge, Add	*23.77*	
		For 16 Gauge, Add	*28.94*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.30*	
		For Work In Restricted Working Space, Add	*9.17*	
23 31 13 16-0085	LF	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	57.26	5.78
		For Seal Class B, Add	*5.16*	
		For Seal Class A, Add	*13.76*	
		For Up To 20', Add	*6.86*	
		For >20' To 50', Add	*2.74*	
		For >200' To 500', Deduct	*-1.71*	
		For >500', Deduct	*-2.86*	
		For 24 Gauge, Add	*4.57*	
		For 22 Gauge, Add	*10.51*	
		For 20 Gauge, Add	*17.14*	
		For 18 Gauge, Add	*26.28*	
		For 16 Gauge, Add	*31.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*16.91*	
		For Work In Restricted Working Space, Add	*10.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0086	LF	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct	63.34	6.93
		For Seal Class B, Add	*5.78*	
		For Seal Class A, Add	*15.40*	
		For Up To 20', Add	*7.45*	
		For >20' To 50', Add	*2.98*	
		For >200' To 500', Deduct	*-1.86*	
		For >500', Deduct	*-3.10*	
		For 24 Gauge, Add	*4.97*	
		For 22 Gauge, Add	*11.42*	
		For 20 Gauge, Add	*18.62*	
		For 18 Gauge, Add	*28.55*	
		For 16 Gauge, Add	*34.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*18.37*	
		For Work In Restricted Working Space, Add	*11.55*	

23 31 13 16-0087 Slip Joint, Galvanized, Spiral 90 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0088	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	77.49	16.17
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*24.98*	
		For 24 Gauge, Add	*3.01*	
		For 22 Gauge, Add	*6.92*	
		For 20 Gauge, Add	*11.28*	
		For 18 Gauge, Add	*17.30*	
		For 16 Gauge, Add	*21.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.13*	
		For Work In Restricted Working Space, Add	*18.74*	
23 31 13 16-0089	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	113.78	23.11
		For Seal Class B, Add	*13.86*	
		For Seal Class A, Add	*36.97*	
		For 24 Gauge, Add	*4.27*	
		For 22 Gauge, Add	*9.82*	
		For 20 Gauge, Add	*16.01*	
		For 18 Gauge, Add	*24.55*	
		For 16 Gauge, Add	*29.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*15.80*	
		For Work In Restricted Working Space, Add	*27.73*	
23 31 13 16-0090	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	162.36	30.04
		For Seal Class B, Add	*18.24*	
		For Seal Class A, Add	*48.65*	
		For 24 Gauge, Add	*8.15*	
		For 22 Gauge, Add	*18.74*	
		For 20 Gauge, Add	*30.55*	
		For 18 Gauge, Add	*46.84*	
		For 16 Gauge, Add	*57.02*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.14*	
		For Work In Restricted Working Space, Add	*36.49*	
23 31 13 16-0091	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	202.01	38.13
		For Seal Class B, Add	*23.11*	
		For Seal Class A, Add	*61.62*	
		For 24 Gauge, Add	*9.59*	
		For 22 Gauge, Add	*22.06*	
		For 20 Gauge, Add	*35.96*	
		For 18 Gauge, Add	*55.14*	
		For 16 Gauge, Add	*67.13*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.48*	
		For Work In Restricted Working Space, Add	*46.22*	
23 31 13 16-0092	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	248.89	48.53
		For Seal Class B, Add	*28.89*	
		For Seal Class A, Add	*77.03*	
		For 24 Gauge, Add	*11.26*	
		For 22 Gauge, Add	*25.90*	
		For 20 Gauge, Add	*42.23*	
		For 18 Gauge, Add	*64.76*	
		For 16 Gauge, Add	*78.83*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*41.67*	
		For Work In Restricted Working Space, Add	*57.77*	
23 31 13 16-0093	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	272.76	53.15
		For Seal Class B, Add	*31.51*	
		For Seal Class A, Add	*84.03*	
		For 24 Gauge, Add	*12.54*	
		For 22 Gauge, Add	*28.83*	
		For 20 Gauge, Add	*47.01*	
		For 18 Gauge, Add	*72.08*	
		For 16 Gauge, Add	*87.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.38*	
		For Work In Restricted Working Space, Add	*63.02*	
23 31 13 16-0094	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	321.85	62.39
		For Seal Class B, Add	*37.27*	
		For Seal Class A, Add	*99.40*	
		For 24 Gauge, Add	*14.67*	
		For 22 Gauge, Add	*33.75*	
		For 20 Gauge, Add	*55.02*	
		For 18 Gauge, Add	*84.36*	
		For 16 Gauge, Add	*102.70*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*54.29*	
		For Work In Restricted Working Space, Add	*74.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0095	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	392.53	77.42
		For Seal Class B, Add	*46.22*	
		For Seal Class A, Add	*123.25*	
		For 24 Gauge, Add	*16.88*	
		For 22 Gauge, Add	*38.83*	
		For 20 Gauge, Add	*63.31*	
		For 18 Gauge, Add	*97.07*	
		For 16 Gauge, Add	*118.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.46*	
		For Work In Restricted Working Space, Add	*92.44*	
23 31 13 16-0096	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	472.37	93.59
		For Seal Class B, Add	*55.91*	
		For Seal Class A, Add	*149.09*	
		For 24 Gauge, Add	*19.93*	
		For 22 Gauge, Add	*45.83*	
		For 20 Gauge, Add	*74.73*	
		For 18 Gauge, Add	*114.59*	
		For 16 Gauge, Add	*139.50*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*73.73*	
		For Work In Restricted Working Space, Add	*111.82*	
23 31 13 16-0097	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	549.11	108.62
		For Seal Class B, Add	*65.40*	
		For Seal Class A, Add	*174.41*	
		For 24 Gauge, Add	*22.62*	
		For 22 Gauge, Add	*52.02*	
		For 20 Gauge, Add	*84.82*	
		For 18 Gauge, Add	*130.05*	
		For 16 Gauge, Add	*158.33*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*83.69*	
		For Work In Restricted Working Space, Add	*130.81*	
23 31 13 16-0098	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow	631.24	123.63
		For Seal Class B, Add	*73.75*	
		For Seal Class A, Add	*196.67*	
		For 24 Gauge, Add	*27.91*	
		For 22 Gauge, Add	*64.20*	
		For 20 Gauge, Add	*104.67*	
		For 18 Gauge, Add	*160.49*	
		For 16 Gauge, Add	*195.38*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*103.27*	
		For Work In Restricted Working Space, Add	*147.50*	

23 31 13 16-0099 Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows *(23 31 13 16-0074)*

23 31 13 16-0100	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	78.20	16.17
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*24.98*	
		For 24 Gauge, Add	*3.15*	
		For 22 Gauge, Add	*7.25*	
		For 20 Gauge, Add	*11.81*	
		For 18 Gauge, Add	*18.11*	
		For 16 Gauge, Add	*22.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*11.66*	
		For Work In Restricted Working Space, Add	*18.74*	
23 31 13 16-0101	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	110.12	23.11
		For Seal Class B, Add	*13.86*	
		For Seal Class A, Add	*36.97*	
		For 24 Gauge, Add	*3.54*	
		For 22 Gauge, Add	*8.14*	
		For 20 Gauge, Add	*13.27*	
		For 18 Gauge, Add	*20.34*	
		For 16 Gauge, Add	*24.77*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.09*	
		For Work In Restricted Working Space, Add	*27.73*	
23 31 13 16-0102	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	145.36	30.04
		For Seal Class B, Add	*18.24*	
		For Seal Class A, Add	*48.65*	
		For 24 Gauge, Add	*4.75*	
		For 22 Gauge, Add	*10.92*	
		For 20 Gauge, Add	*17.80*	
		For 18 Gauge, Add	*27.29*	
		For 16 Gauge, Add	*33.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*17.56*	
		For Work In Restricted Working Space, Add	*36.49*	
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	183.72	38.13
		For Seal Class B, Add	*23.11*	
		For Seal Class A, Add	*61.62*	
		For 24 Gauge, Add	*5.93*	
		For 22 Gauge, Add	*13.64*	
		For 20 Gauge, Add	*22.25*	
		For 18 Gauge, Add	*34.11*	
		For 16 Gauge, Add	*41.52*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*21.95*	
		For Work In Restricted Working Space, Add	*46.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	227.05	48.53
		For Seal Class B, Add	*28.89*	
		For Seal Class A, Add	*77.03*	
		For 24 Gauge, Add	*6.89*	
		For 22 Gauge, Add	*15.86*	
		For 20 Gauge, Add	*25.85*	
		For 18 Gauge, Add	*39.64*	
		For 16 Gauge, Add	*48.26*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.51*	
		For Work In Restricted Working Space, Add	*57.77*	
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	248.39	53.15
		For Seal Class B, Add	*31.51*	
		For Seal Class A, Add	*84.03*	
		For 24 Gauge, Add	*7.66*	
		For 22 Gauge, Add	*17.62*	
		For 20 Gauge, Add	*28.73*	
		For 18 Gauge, Add	*44.06*	
		For 16 Gauge, Add	*53.63*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.35*	
		For Work In Restricted Working Space, Add	*63.02*	
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	311.30	62.39
		For Seal Class B, Add	*37.27*	
		For Seal Class A, Add	*99.40*	
		For 24 Gauge, Add	*12.56*	
		For 22 Gauge, Add	*28.89*	
		For 20 Gauge, Add	*47.11*	
		For 18 Gauge, Add	*72.23*	
		For 16 Gauge, Add	*87.93*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.48*	
		For Work In Restricted Working Space, Add	*74.55*	
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	385.06	77.42
		For Seal Class B, Add	*46.22*	
		For Seal Class A, Add	*123.25*	
		For 24 Gauge, Add	*15.39*	
		For 22 Gauge, Add	*35.39*	
		For 20 Gauge, Add	*57.71*	
		For 18 Gauge, Add	*88.48*	
		For 16 Gauge, Add	*107.72*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*56.94*	
		For Work In Restricted Working Space, Add	*92.44*	
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	470.08	93.59
		For Seal Class B, Add	*55.91*	
		For Seal Class A, Add	*149.09*	
		For 24 Gauge, Add	*19.47*	
		For 22 Gauge, Add	*44.78*	
		For 20 Gauge, Add	*73.01*	
		For 18 Gauge, Add	*111.95*	
		For 16 Gauge, Add	*136.29*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*72.04*	
		For Work In Restricted Working Space, Add	*111.82*	
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	523.17	108.62
		For Seal Class B, Add	*65.40*	
		For Seal Class A, Add	*174.41*	
		For 24 Gauge, Add	*17.43*	
		For 22 Gauge, Add	*40.09*	
		For 20 Gauge, Add	*65.36*	
		For 18 Gauge, Add	*100.22*	
		For 16 Gauge, Add	*122.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*64.49*	
		For Work In Restricted Working Space, Add	*130.81*	
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow	622.01	123.63
		For Seal Class B, Add	*73.75*	
		For Seal Class A, Add	*196.67*	
		For 24 Gauge, Add	*26.07*	
		For 22 Gauge, Add	*59.95*	
		For 20 Gauge, Add	*97.75*	
		For 18 Gauge, Add	*149.88*	
		For 16 Gauge, Add	*182.46*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*96.44*	
		For Work In Restricted Working Space, Add	*147.50*	

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals *(23 31 13 16-0074)*

23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	155.48	30.04
		For Seal Class B, Add	*18.24*	
		For Seal Class A, Add	*48.65*	
		For 24 Gauge, Add	*6.77*	
		For 22 Gauge, Add	*15.57*	
		For 20 Gauge, Add	*25.39*	
		For 18 Gauge, Add	*38.93*	
		For 16 Gauge, Add	*47.39*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*25.05*	
		For Work In Restricted Working Space, Add	*36.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	228.07	48.53
		For Seal Class B, Add	*28.89*	
		For Seal Class A, Add	*77.03*	
		For 24 Gauge, Add	*7.10*	
		For 22 Gauge, Add	*16.33*	
		For 20 Gauge, Add	*26.62*	
		For 18 Gauge, Add	*40.81*	
		For 16 Gauge, Add	*49.69*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.26*	
		For Work In Restricted Working Space, Add	*57.77*	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	287.45	62.39
		For Seal Class B, Add	*37.27*	
		For Seal Class A, Add	*99.40*	
		For 24 Gauge, Add	*7.79*	
		For 22 Gauge, Add	*17.92*	
		For 20 Gauge, Add	*29.22*	
		For 18 Gauge, Add	*44.80*	
		For 16 Gauge, Add	*54.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.83*	
		For Work In Restricted Working Space, Add	*74.55*	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	348.82	77.42
		For Seal Class B, Add	*46.22*	
		For Seal Class A, Add	*123.25*	
		For 24 Gauge, Add	*8.14*	
		For 22 Gauge, Add	*18.72*	
		For 20 Gauge, Add	*30.53*	
		For 18 Gauge, Add	*46.81*	
		For 16 Gauge, Add	*56.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*30.12*	
		For Work In Restricted Working Space, Add	*92.44*	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	414.76	93.59
		For Seal Class B, Add	*55.91*	
		For Seal Class A, Add	*149.09*	
		For 24 Gauge, Add	*8.41*	
		For 22 Gauge, Add	*19.33*	
		For 20 Gauge, Add	*31.52*	
		For 18 Gauge, Add	*48.33*	
		For 16 Gauge, Add	*58.84*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*31.10*	
		For Work In Restricted Working Space, Add	*111.82*	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	481.74	108.62
		For Seal Class B, Add	*65.40*	
		For Seal Class A, Add	*174.41*	
		For 24 Gauge, Add	*9.14*	
		For 22 Gauge, Add	*21.03*	
		For 20 Gauge, Add	*34.29*	
		For 18 Gauge, Add	*52.58*	
		For 16 Gauge, Add	*64.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.83*	
		For Work In Restricted Working Space, Add	*130.81*	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	539.24	123.63
		For Seal Class B, Add	*73.75*	
		For Seal Class A, Add	*196.67*	
		For 24 Gauge, Add	*9.51*	
		For 22 Gauge, Add	*21.88*	
		For 20 Gauge, Add	*35.67*	
		For 18 Gauge, Add	*54.69*	
		For 16 Gauge, Add	*66.58*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.19*	
		For Work In Restricted Working Space, Add	*147.50*	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	612.93	140.97
		For Seal Class B, Add	*84.55*	
		For Seal Class A, Add	*225.46*	
		For 24 Gauge, Add	*9.86*	
		For 22 Gauge, Add	*22.67*	
		For 20 Gauge, Add	*36.97*	
		For 18 Gauge, Add	*56.68*	
		For 16 Gauge, Add	*69.01*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*36.47*	
		For Work In Restricted Working Space, Add	*169.09*	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	683.89	155.99
		For Seal Class B, Add	*93.69*	
		For Seal Class A, Add	*249.83*	
		For 24 Gauge, Add	*11.86*	
		For 22 Gauge, Add	*27.29*	
		For 20 Gauge, Add	*44.49*	
		For 18 Gauge, Add	*68.22*	
		For 16 Gauge, Add	*83.05*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*43.90*	
		For Work In Restricted Working Space, Add	*187.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	740.94	169.85
		For Seal Class B, Add	*101.95*	
		For Seal Class A, Add	*271.87*	
		For 24 Gauge, Add	*12.25*	
		For 22 Gauge, Add	*28.18*	
		For 20 Gauge, Add	*45.95*	
		For 18 Gauge, Add	*70.45*	
		For 16 Gauge, Add	*85.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*45.33*	
		For Work In Restricted Working Space, Add	*203.90*	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	239.30	52.34
		For Seal Class B, Add	*31.42*	
		For Seal Class A, Add	*83.79*	
		For 24 Gauge, Add	*5.96*	
		For 22 Gauge, Add	*13.72*	
		For 20 Gauge, Add	*22.37*	
		For 18 Gauge, Add	*34.29*	
		For 16 Gauge, Add	*41.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*22.07*	
		For Work In Restricted Working Space, Add	*62.84*	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	289.49	62.97
		For Seal Class B, Add	*37.78*	
		For Seal Class A, Add	*100.74*	
		For 24 Gauge, Add	*7.53*	
		For 22 Gauge, Add	*17.32*	
		For 20 Gauge, Add	*28.24*	
		For 18 Gauge, Add	*43.30*	
		For 16 Gauge, Add	*52.71*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*27.86*	
		For Work In Restricted Working Space, Add	*75.55*	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	351.70	76.49
		For Seal Class B, Add	*45.90*	
		For Seal Class A, Add	*122.40*	
		For 24 Gauge, Add	*9.14*	
		For 22 Gauge, Add	*21.02*	
		For 20 Gauge, Add	*34.28*	
		For 18 Gauge, Add	*52.56*	
		For 16 Gauge, Add	*63.98*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*33.82*	
		For Work In Restricted Working Space, Add	*91.80*	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	418.67	90.93
		For Seal Class B, Add	*54.64*	
		For Seal Class A, Add	*145.70*	
		For 24 Gauge, Add	*10.88*	
		For 22 Gauge, Add	*25.03*	
		For 20 Gauge, Add	*40.81*	
		For 18 Gauge, Add	*62.57*	
		For 16 Gauge, Add	*76.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.26*	
		For Work In Restricted Working Space, Add	*109.28*	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	530.50	116.93
		For Seal Class B, Add	*70.11*	
		For Seal Class A, Add	*186.97*	
		For 24 Gauge, Add	*12.62*	
		For 22 Gauge, Add	*29.02*	
		For 20 Gauge, Add	*47.31*	
		For 18 Gauge, Add	*72.54*	
		For 16 Gauge, Add	*88.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*46.68*	
		For Work In Restricted Working Space, Add	*140.23*	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	589.29	129.76
		For Seal Class B, Add	*77.79*	
		For Seal Class A, Add	*207.44*	
		For 24 Gauge, Add	*14.14*	
		For 22 Gauge, Add	*32.51*	
		For 20 Gauge, Add	*53.01*	
		For 18 Gauge, Add	*81.28*	
		For 16 Gauge, Add	*98.95*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*52.30*	
		For Work In Restricted Working Space, Add	*155.58*	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	669.98	147.67
		For Seal Class B, Add	*88.43*	
		For Seal Class A, Add	*235.81*	
		For 24 Gauge, Add	*16.09*	
		For 22 Gauge, Add	*37.01*	
		For 20 Gauge, Add	*60.35*	
		For 18 Gauge, Add	*92.53*	
		For 16 Gauge, Add	*112.64*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*59.54*	
		For Work In Restricted Working Space, Add	*176.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	719.01	157.49
		For Seal Class B, Add	*94.40*	
		For Seal Class A, Add	*251.74*	
		For 24 Gauge, Add	*17.93*	
		For 22 Gauge, Add	*41.25*	
		For 20 Gauge, Add	*67.25*	
		For 18 Gauge, Add	*103.12*	
		For 16 Gauge, Add	*125.54*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*66.36*	
		For Work In Restricted Working Space, Add	*188.80*	
23 31 13 16-0130	EA	24" x 24" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	780.07	170.78
		For Seal Class B, Add	*102.44*	
		For Seal Class A, Add	*273.16*	
		For 24 Gauge, Add	*19.43*	
		For 22 Gauge, Add	*44.70*	
		For 20 Gauge, Add	*72.88*	
		For 18 Gauge, Add	*111.75*	
		For 16 Gauge, Add	*136.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*71.91*	
		For Work In Restricted Working Space, Add	*204.87*	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	316.61	69.33
		For Seal Class B, Add	*41.54*	
		For Seal Class A, Add	*110.78*	
		For 24 Gauge, Add	*7.93*	
		For 22 Gauge, Add	*18.24*	
		For 20 Gauge, Add	*29.74*	
		For 18 Gauge, Add	*45.60*	
		For 16 Gauge, Add	*55.51*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.34*	
		For Work In Restricted Working Space, Add	*83.09*	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	384.75	84.35
		For Seal Class B, Add	*50.50*	
		For Seal Class A, Add	*134.67*	
		For 24 Gauge, Add	*9.62*	
		For 22 Gauge, Add	*22.12*	
		For 20 Gauge, Add	*36.06*	
		For 18 Gauge, Add	*55.29*	
		For 16 Gauge, Add	*67.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.58*	
		For Work In Restricted Working Space, Add	*101.00*	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	457.95	99.95
		For Seal Class B, Add	*60.10*	
		For Seal Class A, Add	*160.26*	
		For 24 Gauge, Add	*11.46*	
		For 22 Gauge, Add	*26.36*	
		For 20 Gauge, Add	*42.98*	
		For 18 Gauge, Add	*65.90*	
		For 16 Gauge, Add	*80.22*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*42.40*	
		For Work In Restricted Working Space, Add	*120.20*	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	531.58	116.47
		For Seal Class B, Add	*69.78*	
		For Seal Class A, Add	*186.07*	
		For 24 Gauge, Add	*13.28*	
		For 22 Gauge, Add	*30.55*	
		For 20 Gauge, Add	*49.81*	
		For 18 Gauge, Add	*76.37*	
		For 16 Gauge, Add	*92.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*49.14*	
		For Work In Restricted Working Space, Add	*139.55*	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	594.88	130.22
		For Seal Class B, Add	*78.07*	
		For Seal Class A, Add	*208.19*	
		For 24 Gauge, Add	*14.88*	
		For 22 Gauge, Add	*34.22*	
		For 20 Gauge, Add	*55.80*	
		For 18 Gauge, Add	*85.56*	
		For 16 Gauge, Add	*104.16*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*55.06*	
		For Work In Restricted Working Space, Add	*156.14*	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	676.62	148.13
		For Seal Class B, Add	*88.79*	
		For Seal Class A, Add	*236.78*	
		For 24 Gauge, Add	*16.94*	
		For 22 Gauge, Add	*38.95*	
		For 20 Gauge, Add	*63.51*	
		For 18 Gauge, Add	*97.38*	
		For 16 Gauge, Add	*118.55*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*62.66*	
		For Work In Restricted Working Space, Add	*177.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	755.41	165.23
		For Seal Class B, Add	*99.15*	
		For Seal Class A, Add	*264.41*	
		For 24 Gauge, Add	*18.88*	
		For 22 Gauge, Add	*43.42*	
		For 20 Gauge, Add	*70.79*	
		For 18 Gauge, Add	*108.55*	
		For 16 Gauge, Add	*132.15*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*69.85*	
		For Work In Restricted Working Space, Add	*198.31*	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral	819.07	179.33
		For Seal Class B, Add	*107.52*	
		For Seal Class A, Add	*286.72*	
		For 24 Gauge, Add	*20.46*	
		For 22 Gauge, Add	*47.05*	
		For 20 Gauge, Add	*76.71*	
		For 18 Gauge, Add	*117.62*	
		For 16 Gauge, Add	*143.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*75.69*	
		For Work In Restricted Working Space, Add	*215.04*	

23 31 13 16-0139 Slip Joint, Galvanized, Spiral Duct Reducers *(23 31 13 16-0074)*

23 31 13 16-0140	EA	6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	104.60	23.11
		For Seal Class B, Add	*13.86*	
		For Seal Class A, Add	*36.97*	
		For 24 Gauge, Add	*2.43*	
		For 22 Gauge, Add	*5.60*	
		For 20 Gauge, Add	*9.13*	
		For 18 Gauge, Add	*14.00*	
		For 16 Gauge, Add	*17.04*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.01*	
		For Work In Restricted Working Space, Add	*27.73*	
23 31 13 16-0141	EA	8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	135.03	30.04
		For Seal Class B, Add	*18.24*	
		For Seal Class A, Add	*48.65*	
		For 24 Gauge, Add	*2.68*	
		For 22 Gauge, Add	*6.16*	
		For 20 Gauge, Add	*10.05*	
		For 18 Gauge, Add	*15.41*	
		For 16 Gauge, Add	*18.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.92*	
		For Work In Restricted Working Space, Add	*36.49*	
23 31 13 16-0142	EA	10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	168.89	38.13
		For Seal Class B, Add	*23.11*	
		For Seal Class A, Add	*61.62*	
		For 24 Gauge, Add	*2.97*	
		For 22 Gauge, Add	*6.82*	
		For 20 Gauge, Add	*11.12*	
		For 18 Gauge, Add	*17.05*	
		For 16 Gauge, Add	*20.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*10.97*	
		For Work In Restricted Working Space, Add	*46.22*	
23 31 13 16-0143	EA	12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	208.84	48.53
		For Seal Class B, Add	*28.89*	
		For Seal Class A, Add	*77.03*	
		For 24 Gauge, Add	*3.25*	
		For 22 Gauge, Add	*7.48*	
		For 20 Gauge, Add	*12.20*	
		For 18 Gauge, Add	*18.70*	
		For 16 Gauge, Add	*22.76*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*12.03*	
		For Work In Restricted Working Space, Add	*57.77*	
23 31 13 16-0144	EA	14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	228.18	53.15
		For Seal Class B, Add	*31.51*	
		For Seal Class A, Add	*84.03*	
		For 24 Gauge, Add	*3.62*	
		For 22 Gauge, Add	*8.33*	
		For 20 Gauge, Add	*13.58*	
		For 18 Gauge, Add	*20.82*	
		For 16 Gauge, Add	*25.34*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*13.39*	
		For Work In Restricted Working Space, Add	*63.02*	
23 31 13 16-0145	EA	16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	279.78	62.39
		For Seal Class B, Add	*37.27*	
		For Seal Class A, Add	*99.40*	
		For 24 Gauge, Add	*6.26*	
		For 22 Gauge, Add	*14.39*	
		For 20 Gauge, Add	*23.47*	
		For 18 Gauge, Add	*35.98*	
		For 16 Gauge, Add	*43.81*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*23.15*	
		For Work In Restricted Working Space, Add	*74.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0146	EA	18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	341.56	77.42
		For Seal Class B, Add	*46.22*	
		For Seal Class A, Add	*123.25*	
		For 24 Gauge, Add	*6.69*	
		For 22 Gauge, Add	*15.38*	
		For 20 Gauge, Add	*25.08*	
		For 18 Gauge, Add	*38.46*	
		For 16 Gauge, Add	*46.82*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*24.75*	
		For Work In Restricted Working Space, Add	*92.44*	
23 31 13 16-0147	EA	20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	408.42	93.59
		For Seal Class B, Add	*55.91*	
		For Seal Class A, Add	*149.09*	
		For 24 Gauge, Add	*7.14*	
		For 22 Gauge, Add	*16.42*	
		For 20 Gauge, Add	*26.77*	
		For 18 Gauge, Add	*41.04*	
		For 16 Gauge, Add	*49.97*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*26.41*	
		For Work In Restricted Working Space, Add	*111.82*	
23 31 13 16-0148	EA	22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	473.96	108.62
		For Seal Class B, Add	*65.40*	
		For Seal Class A, Add	*174.41*	
		For 24 Gauge, Add	*7.59*	
		For 22 Gauge, Add	*17.45*	
		For 20 Gauge, Add	*28.46*	
		For 18 Gauge, Add	*43.63*	
		For 16 Gauge, Add	*53.12*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*28.08*	
		For Work In Restricted Working Space, Add	*130.81*	
23 31 13 16-0149	EA	24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer	531.67	123.63
		For Seal Class B, Add	*73.75*	
		For Seal Class A, Add	*196.67*	
		For 24 Gauge, Add	*8.00*	
		For 22 Gauge, Add	*18.40*	
		For 20 Gauge, Add	*29.99*	
		For 18 Gauge, Add	*45.99*	
		For 16 Gauge, Add	*55.99*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*29.59*	
		For Work In Restricted Working Space, Add	*147.50*	
23 31 13 16-0150		**Slip Joint, Galvanized, Spiral Duct Couplings** *(23 31 13 16-0074)*		
23 31 13 16-0151	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	68.21	16.17
		For Seal Class B, Add	*9.37*	
		For Seal Class A, Add	*24.98*	
		For 24 Gauge, Add	*1.15*	
		For 22 Gauge, Add	*2.65*	
		For 20 Gauge, Add	*4.32*	
		For 18 Gauge, Add	*6.62*	
		For 16 Gauge, Add	*8.06*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.26*	
		For Work In Restricted Working Space, Add	*18.74*	
23 31 13 16-0152	EA	6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	98.98	23.11
		For Seal Class B, Add	*13.86*	
		For Seal Class A, Add	*36.97*	
		For 24 Gauge, Add	*1.31*	
		For 22 Gauge, Add	*3.01*	
		For 20 Gauge, Add	*4.91*	
		For 18 Gauge, Add	*7.53*	
		For 16 Gauge, Add	*9.17*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*4.85*	
		For Work In Restricted Working Space, Add	*27.73*	
23 31 13 16-0153	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	128.69	30.04
		For Seal Class B, Add	*18.24*	
		For Seal Class A, Add	*48.65*	
		For 24 Gauge, Add	*1.41*	
		For 22 Gauge, Add	*3.25*	
		For 20 Gauge, Add	*5.30*	
		For 18 Gauge, Add	*8.12*	
		For 16 Gauge, Add	*9.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.22*	
		For Work In Restricted Working Space, Add	*36.49*	
23 31 13 16-0154	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	161.63	38.13
		For Seal Class B, Add	*23.11*	
		For Seal Class A, Add	*61.62*	
		For 24 Gauge, Add	*1.51*	
		For 22 Gauge, Add	*3.48*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*8.71*	
		For 16 Gauge, Add	*10.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.60*	
		For Work In Restricted Working Space, Add	*46.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0155	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	200.66	48.53
		For Seal Class B, Add	*28.89*	
		For Seal Class A, Add	*77.03*	
		For 24 Gauge, Add	*1.62*	
		For 22 Gauge, Add	*3.72*	
		For 20 Gauge, Add	*6.06*	
		For 18 Gauge, Add	*9.29*	
		For 16 Gauge, Add	*11.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.98*	
		For Work In Restricted Working Space, Add	*57.77*	
23 31 13 16-0156	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	218.67	53.15
		For Seal Class B, Add	*31.51*	
		For Seal Class A, Add	*84.03*	
		For 24 Gauge, Add	*1.72*	
		For 22 Gauge, Add	*3.95*	
		For 20 Gauge, Add	*6.44*	
		For 18 Gauge, Add	*9.88*	
		For 16 Gauge, Add	*12.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.36*	
		For Work In Restricted Working Space, Add	*63.02*	
23 31 13 16-0157	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	258.00	62.39
		For Seal Class B, Add	*37.27*	
		For Seal Class A, Add	*99.40*	
		For 24 Gauge, Add	*1.90*	
		For 22 Gauge, Add	*4.37*	
		For 20 Gauge, Add	*7.13*	
		For 18 Gauge, Add	*10.94*	
		For 16 Gauge, Add	*13.31*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.04*	
		For Work In Restricted Working Space, Add	*74.55*	
23 31 13 16-0158	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	318.14	77.42
		For Seal Class B, Add	*46.22*	
		For Seal Class A, Add	*123.25*	
		For 24 Gauge, Add	*2.00*	
		For 22 Gauge, Add	*4.61*	
		For 20 Gauge, Add	*7.52*	
		For 18 Gauge, Add	*11.52*	
		For 16 Gauge, Add	*14.03*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.41*	
		For Work In Restricted Working Space, Add	*92.44*	
23 31 13 16-0159	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	383.37	93.59
		For Seal Class B, Add	*55.91*	
		For Seal Class A, Add	*149.09*	
		For 24 Gauge, Add	*2.13*	
		For 22 Gauge, Add	*4.89*	
		For 20 Gauge, Add	*7.98*	
		For 18 Gauge, Add	*12.24*	
		For 16 Gauge, Add	*14.90*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.87*	
		For Work In Restricted Working Space, Add	*111.82*	
23 31 13 16-0160	EA	22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	447.07	218.38
		For Seal Class B, Add	*65.40*	
		For Seal Class A, Add	*174.41*	
		For 24 Gauge, Add	*2.21*	
		For 22 Gauge, Add	*5.08*	
		For 20 Gauge, Add	*8.29*	
		For 18 Gauge, Add	*12.71*	
		For 16 Gauge, Add	*15.47*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.18*	
		For Work In Restricted Working Space, Add	*130.81*	
23 31 13 16-0161	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling	503.34	246.11
		For Seal Class B, Add	*73.75*	
		For Seal Class A, Add	*196.67*	
		For 24 Gauge, Add	*2.33*	
		For 22 Gauge, Add	*5.36*	
		For 20 Gauge, Add	*8.75*	
		For 18 Gauge, Add	*13.41*	
		For 16 Gauge, Add	*16.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.63*	
		For Work In Restricted Working Space, Add	*147.50*	
23 31 13 16-0162		Slip Joint, Galvanized, Spiral Duct Caps *(23 31 13 16-0074)*		
23 31 13 16-0163	EA	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	37.98	16.17
		For Seal Class B, Add	*4.68*	
		For Seal Class A, Add	*12.49*	
		For 24 Gauge, Add	*1.35*	
		For 22 Gauge, Add	*3.11*	
		For 20 Gauge, Add	*5.06*	
		For 18 Gauge, Add	*7.76*	
		For 16 Gauge, Add	*9.45*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.00*	
		For Work In Restricted Working Space, Add	*9.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0164	EA	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	53.79	23.11
		For Seal Class B, Add	*6.93*	
		For Seal Class A, Add	*18.49*	
		For 24 Gauge, Add	*1.51*	
		For 22 Gauge, Add	*3.48*	
		For 20 Gauge, Add	*5.68*	
		For 18 Gauge, Add	*8.71*	
		For 16 Gauge, Add	*10.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*5.60*	
		For Work In Restricted Working Space, Add	*13.87*	
23 31 13 16-0165	EA	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	69.09	31.20
		For Seal Class B, Add	*9.12*	
		For Seal Class A, Add	*24.32*	
		For 24 Gauge, Add	*1.66*	
		For 22 Gauge, Add	*3.81*	
		For 20 Gauge, Add	*6.21*	
		For 18 Gauge, Add	*9.52*	
		For 16 Gauge, Add	*11.59*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.13*	
		For Work In Restricted Working Space, Add	*18.24*	
23 31 13 16-0166	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	86.23	39.28
		For Seal Class B, Add	*11.55*	
		For Seal Class A, Add	*30.81*	
		For 24 Gauge, Add	*1.84*	
		For 22 Gauge, Add	*4.23*	
		For 20 Gauge, Add	*6.90*	
		For 18 Gauge, Add	*10.58*	
		For 16 Gauge, Add	*12.88*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*6.81*	
		For Work In Restricted Working Space, Add	*23.11*	
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	106.52	48.53
		For Seal Class B, Add	*14.44*	
		For Seal Class A, Add	*38.52*	
		For 24 Gauge, Add	*2.05*	
		For 22 Gauge, Add	*4.71*	
		For 20 Gauge, Add	*7.67*	
		For 18 Gauge, Add	*11.76*	
		For 16 Gauge, Add	*14.32*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*7.57*	
		For Work In Restricted Working Space, Add	*28.89*	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	116.29	53.15
		For Seal Class B, Add	*15.76*	
		For Seal Class A, Add	*42.02*	
		For 24 Gauge, Add	*2.25*	
		For 22 Gauge, Add	*5.18*	
		For 20 Gauge, Add	*8.44*	
		For 18 Gauge, Add	*12.94*	
		For 16 Gauge, Add	*15.75*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*8.33*	
		For Work In Restricted Working Space, Add	*31.51*	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	134.62	61.24
		For Seal Class B, Add	*18.24*	
		For Seal Class A, Add	*48.65*	
		For 24 Gauge, Add	*2.60*	
		For 22 Gauge, Add	*5.98*	
		For 20 Gauge, Add	*9.74*	
		For 18 Gauge, Add	*14.94*	
		For 16 Gauge, Add	*18.19*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*9.61*	
		For Work In Restricted Working Space, Add	*36.49*	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	197.83	77.42
		For Seal Class B, Add	*23.11*	
		For Seal Class A, Add	*61.62*	
		For 24 Gauge, Add	*8.75*	
		For 22 Gauge, Add	*20.13*	
		For 20 Gauge, Add	*32.83*	
		For 18 Gauge, Add	*50.34*	
		For 16 Gauge, Add	*61.28*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*32.39*	
		For Work In Restricted Working Space, Add	*46.22*	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	240.03	95.91
		For Seal Class B, Add	*28.89*	
		For Seal Class A, Add	*77.03*	
		For 24 Gauge, Add	*9.49*	
		For 22 Gauge, Add	*21.83*	
		For 20 Gauge, Add	*35.59*	
		For 18 Gauge, Add	*54.57*	
		For 16 Gauge, Add	*66.43*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*35.11*	
		For Work In Restricted Working Space, Add	*57.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	261.22	105.15
		For Seal Class B, Add	*31.51*	
		For Seal Class A, Add	*84.03*	
		For 24 Gauge, Add	*10.23*	
		For 22 Gauge, Add	*23.52*	
		For 20 Gauge, Add	*38.36*	
		For 18 Gauge, Add	*58.81*	
		For 16 Gauge, Add	*71.60*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*37.84*	
		For Work In Restricted Working Space, Add	*63.02*	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap	300.76	122.48
		For Seal Class B, Add	*36.88*	
		For Seal Class A, Add	*98.34*	
		For 24 Gauge, Add	*10.98*	
		For 22 Gauge, Add	*25.26*	
		For 20 Gauge, Add	*41.19*	
		For 18 Gauge, Add	*63.16*	
		For 16 Gauge, Add	*76.89*	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*40.64*	
		For Work In Restricted Working Space, Add	*73.75*	

23 31 13 19 Metal Duct Fittings *(23 31 13)*

23 31 13 19-0001 Sheet Metal Baffles *(23 31 13 19)*

23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor	43.54	34.89
		For Work In Restricted Working Space, Add	*12.76*	
		For Elevated Installation >10' To 15', Add	*4.25*	
		For Elevated Installation >15' To 20', Add	*8.50*	
		For Elevated Installation >20' To 25', Add	*10.63*	
		For Elevated Installation >25' To 30', Add	*14.88*	
		For Elevated Installation >30' To 35', Add	*17.01*	
		For Elevated Installation >35' To 40', Add	*21.26*	
		For Elevated Installation >40', Add	*23.39*	

23 31 13 19-0003 Duct Register Boots *(23 31 13 19)*

23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	41.10	15.65
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	41.10	15.65
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0006	EA	12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	43.82	16.90
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0007	EA	12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	43.82	16.90
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0008	EA	12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	46.23	16.90
		For Stainless Steel, Add	*14.90*	
23 31 13 19-0009	EA	14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel	47.52	18.16
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0010	EA	14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel	47.52	18.16
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0011	EA	14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel	49.02	18.16
		For Stainless Steel, Add	*15.24*	
23 31 13 19-0012	EA	10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	47.63	19.41
		For Stainless Steel, Add	*10.57*	
23 31 13 19-0013	EA	12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	50.39	20.67
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0014	EA	12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	56.55	20.67
		For Stainless Steel, Add	*18.28*	
23 31 13 19-0015	EA	14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel	53.44	21.91
		For Stainless Steel, Add	*11.53*	
23 31 13 19-0016	EA	14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel	59.47	21.91
		For Stainless Steel, Add	*18.77*	
23 31 13 19-0017	EA	12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel	42.36	16.90
		For Stainless Steel, Add	*10.26*	
23 31 13 19-0018	EA	12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	42.36	16.90
		For Stainless Steel, Add	*10.26*	
23 31 13 19-0019	EA	14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel	45.85	18.16
		For Stainless Steel, Add	*11.44*	
23 31 13 19-0020	EA	14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel	47.28	18.16
		For Stainless Steel, Add	*13.15*	
23 31 13 19-0021	EA	10" x 4" x 6" Register Boot, Center, Galvanized Steel	47.83	19.41
		For Stainless Steel, Add	*10.81*	
23 31 13 19-0022	EA	12" x 4" x 6" Register Boot, Center, Galvanized Steel	50.56	20.67
		For Stainless Steel, Add	*11.09*	
23 31 13 19-0023	EA	12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	43.34	16.90
		For Stainless Steel, Add	*11.44*	
23 31 13 19-0024	EA	14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel	46.43	18.16
		For Stainless Steel, Add	*12.13*	
23 31 13 19-0025	EA	10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	41.10	15.65
		For Stainless Steel, Add	*11.75*	
23 31 13 19-0026	EA	12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	43.82	16.90
		For Stainless Steel, Add	*12.01*	
23 31 13 19-0027	EA	14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel	47.52	18.16
		For Stainless Steel, Add	*13.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0028	EA	14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel	47.52	18.16
		For Stainless Steel, Add	*13.44*	
23 31 13 19-0029	EA	10" x 4" x 6" Register Boot, Universal, Galvanized Steel	47.63	19.41
		For Stainless Steel, Add	*10.57*	
23 31 13 19-0030	EA	12" x 4" x 6" Register Boot, Universal, Galvanized Steel	50.39	20.67
		For Stainless Steel, Add	*10.88*	
23 31 13 19-0031	EA	12" x 4" x 7" Register Boot, Universal, Galvanized Steel	56.55	20.67
		For Stainless Steel, Add	*18.28*	
23 31 13 19-0032	EA	14" x 4" x 7" Register Boot, Universal, Galvanized Steel	59.06	21.91
		For Stainless Steel, Add	*18.28*	

23 31 13 23 Galvanized Steel Welded Duct *(23 31 13)*

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

23 31 13 23-0001 Welded Steel Ductwork *(23 31 13 23)*

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen *(23 31 13 23-0001)*

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB	Galvanized Steel Welded Duct	25.35	10.57
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*3.07*	
		For Work In Restricted Working Space, Add	*6.36*	
		For Elevated Installation >10' To 15', Add	*2.12*	
		For Elevated Installation >15' To 20', Add	*4.24*	
		For Elevated Installation >20' To 25', Add	*5.30*	
		For Elevated Installation >25' To 30', Add	*7.42*	
		For Elevated Installation >30' To 35', Add	*8.48*	
		For Elevated Installation >35' To 40', Add	*10.60*	
		For Elevated Installation >40', Add	*11.66*	

23 31 13 23-0004 Black Steel Ductwork *(23 31 13 23-0001)*

23 31 13 23-0005	LB	Black Steel Ductwork	22.74	10.91
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	*0.69*	
		For Work In Restricted Working Space, Add	*6.54*	
		For Elevated Installation >10' To 15', Add	*2.18*	
		For Elevated Installation >15' To 20', Add	*4.36*	
		For Elevated Installation >20' To 25', Add	*5.45*	
		For Elevated Installation >25' To 30', Add	*7.63*	
		For Elevated Installation >30' To 35', Add	*8.72*	
		For Elevated Installation >35' To 40', Add	*10.91*	
		For Elevated Installation >40', Add	*12.00*	

23 31 16 Non-metal Ducts *(23 31)*

23 31 16 13 Fibrous-Glass Ducts *(23 31 16)*

23 31 16 13-0001 Glass Fiber Duct Board *(23 31 16 13)*

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475)	11.09	2.18
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800)	13.15	2.40
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800)	15.28	2.64

23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts *(23 31 16)*

23 31 16 16-0001 Fiber Reinforced Round Plastic Duct *(23 31 16 16)*

23 31 16 16-0002 Fiber Reinforced Round Plastic Duct *(23 31 16 16-0001)*

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct	20.08	6.00
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct	25.26	7.02
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct	34.07	10.30
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct	45.34	13.01
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct	57.52	16.29
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct	69.39	19.58
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct	77.88	22.86
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct	89.18	25.01
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct	96.50	26.59
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct	120.93	29.88
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct	127.01	32.03
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct	158.22	34.18
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct	181.09	39.61
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct	208.46	47.76
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct	281.90	53.19
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct	315.77	59.75
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct	350.19	68.46
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct	396.80	79.90
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct	422.07	97.77
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct	515.01	119.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0023		**Fiber Reinforced Plastic Bell** *(23 31 16 16-0001)*		
23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell	67.67	24.33
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell	81.47	28.86
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell	94.02	33.95
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell	123.78	45.27
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell	151.17	56.58
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell	176.18	67.90
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell	218.48	84.31
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell	233.42	90.53
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell	252.88	96.76
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell	272.35	104.12
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell	297.58	113.17
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell	343.96	124.49
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell	397.45	135.81
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell	450.43	152.77
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell	503.38	169.75
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell	556.31	186.73
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell	690.14	226.34
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell	827.06	282.92
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell	992.42	339.50
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell	1,135.36	384.77
23 31 16 16-0044		**Fiber Reinforced Plastic Flange** *(23 31 16 16-0001)*		
23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange	105.66	24.33
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange	121.84	28.86
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange	139.14	33.95
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange	180.77	45.27
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange	220.03	56.58
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange	259.30	67.90
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange	306.34	84.31
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange	340.28	90.53
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange	371.62	96.76
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange	395.83	104.12
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange	416.32	113.17
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange	486.44	124.49
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange	535.19	135.81
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange	657.03	152.77
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange	731.35	169.75
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange	829.40	186.73
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange	975.11	226.34
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange	1,166.65	282.92
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange	1,358.13	339.50
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange	1,553.31	384.77
23 31 16 16-0065		**Fiber Reinforced Plastic 90 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow	176.14	58.62
23 31 16 16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow	207.03	70.05
23 31 16 16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow	240.29	81.48
23 31 16 16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow	311.68	108.64
23 31 16 16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow	383.07	135.81
23 31 16 16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow	454.48	162.96
23 31 16 16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow	558.59	202.69
23 31 16 16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow	630.73	214.57
23 31 16 16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow	716.13	233.02
23 31 16 16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow	848.69	249.87
23 31 16 16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow	975.18	271.60
23 31 16 16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow	1,127.32	298.76
23 31 16 16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow	1,505.02	325.93
23 31 16 16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow	1,917.31	366.67
23 31 16 16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow	2,507.67	407.52
23 31 16 16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow	2,967.46	448.26
23 31 16 16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow	3,517.55	543.21
23 31 16 16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow	4,266.34	679.01
23 31 16 16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow	5,014.68	814.59
23 31 16 16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow	5,717.99	923.12
23 31 16 16-0086		**Fiber Reinforced Plastic 45 Degree Elbow** *(23 31 16 16-0001)*		
23 31 16 16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow	150.01	58.62
23 31 16 16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow	176.16	70.05
23 31 16 16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow	204.65	81.48
23 31 16 16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow	259.44	108.64
23 31 16 16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow	314.21	135.81
23 31 16 16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow	373.81	162.96
23 31 16 16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow	461.31	202.69
23 31 16 16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow	500.02	214.57
23 31 16 16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow	592.43	232.90
23 31 16 16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow	678.01	250.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow	780.38	271.60
23 31 16 16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow	896.45	298.54
23 31 16 16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow	1,124.63	325.70
23 31 16 16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow	1,369.26	367.00
23 31 16 16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow	1,731.62	407.74
23 31 16 16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow	2,029.44	448.26
23 31 16 16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow	2,420.42	543.21
23 31 16 16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow	2,907.99	679.01
23 31 16 16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow	3,421.00	813.01
23 31 16 16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow	3,867.38	924.02
23 31 16 16-0107		**Fiber Reinforced Plastic Tee** *(23 31 16 16-0001)*		
23 31 16 16-0108	EA	2" Fiber Reinforced Plastic Tee	228.89	87.48
23 31 16 16-0109	EA	3" Fiber Reinforced Plastic Tee	270.62	105.36
23 31 16 16-0110	EA	4" Fiber Reinforced Plastic Tee	310.56	122.22
23 31 16 16-0111	EA	6" Fiber Reinforced Plastic Tee	402.23	162.96
23 31 16 16-0112	EA	8" Fiber Reinforced Plastic Tee	492.10	202.69
23 31 16 16-0113	EA	10" Fiber Reinforced Plastic Tee	587.31	245.57
23 31 16 16-0114	EA	12" Fiber Reinforced Plastic Tee	709.82	297.63
23 31 16 16-0115	EA	14" Fiber Reinforced Plastic Tee	774.32	322.08
23 31 16 16-0116	EA	16" Fiber Reinforced Plastic Tee	891.82	349.91
23 31 16 16-0117	EA	18" Fiber Reinforced Plastic Tee	1,004.65	374.81
23 31 16 16-0118	EA	20" Fiber Reinforced Plastic Tee	1,154.07	407.52
23 31 16 16-0119	EA	24" Fiber Reinforced Plastic Tee	1,317.02	448.26
23 31 16 16-0120	EA	30" Fiber Reinforced Plastic Tee	1,562.67	488.77
23 31 16 16-0121	EA	36" Fiber Reinforced Plastic Tee	1,866.98	550.22
23 31 16 16-0122	EA	42" Fiber Reinforced Plastic Tee	2,443.65	611.34
23 31 16 16-0123	EA	48" Fiber Reinforced Plastic Tee	2,901.98	672.56
23 31 16 16-0124	EA	54" Fiber Reinforced Plastic Tee	3,496.16	815.38
23 31 16 16-0125	EA	60" Fiber Reinforced Plastic Tee	4,191.69	1,018.97
23 31 16 16-0126	EA	66" Fiber Reinforced Plastic Tee	4,886.56	1,222.11
23 31 16 16-0127	EA	72" Fiber Reinforced Plastic Tee	5,515.46	1,385.75
23 31 16 16-0128		**Fiber Reinforced Plastic Lateral Joint** *(23 31 16 16-0001)*		
23 31 16 16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint	193.24	87.48
23 31 16 16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint	227.84	105.36
23 31 16 16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint	260.73	122.22
23 31 16 16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint	333.44	162.96
23 31 16 16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint	404.31	202.69
23 31 16 16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint	485.25	245.57
23 31 16 16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint	581.84	297.86
23 31 16 16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint	631.33	321.85
23 31 16 16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint	692.58	350.03
23 31 16 16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint	748.73	375.16
23 31 16 16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint	817.34	407.74
23 31 16 16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint	903.81	448.26
23 31 16 16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint	997.03	488.55
23 31 16 16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint	1,125.47	549.88
23 31 16 16-0143	EA	42" Fiber Reinforced Plastic Lateral Joint	1,257.00	611.68
23 31 16 16-0144	EA	48" Fiber Reinforced Plastic Lateral Joint	1,381.70	672.34
23 31 16 16-0145	EA	54" Fiber Reinforced Plastic Lateral Joint	1,651.82	813.01
23 31 16 16-0146	EA	60" Fiber Reinforced Plastic Lateral Joint	2,021.86	1,020.78
23 31 16 16-0147	EA	66" Fiber Reinforced Plastic Lateral Joint	2,442.05	1,223.01
23 31 16 16-0148	EA	72" Fiber Reinforced Plastic Lateral Joint	2,737.01	1,385.75
23 31 16 16-0149		**Fiber Reinforced Plastic One Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0150	EA	2" Fiber Reinforced Plastic One Piece Reducer	159.55	58.74
23 31 16 16-0151	EA	3" Fiber Reinforced Plastic One Piece Reducer	188.09	70.16
23 31 16 16-0152	EA	4" Fiber Reinforced Plastic One Piece Reducer	221.35	81.48
23 31 16 16-0153	EA	6" Fiber Reinforced Plastic One Piece Reducer	285.56	108.64
23 31 16 16-0154	EA	8" Fiber Reinforced Plastic One Piece Reducer	345.08	135.81
23 31 16 16-0155	EA	10" Fiber Reinforced Plastic One Piece Reducer	415.17	163.64
23 31 16 16-0156	EA	12" Fiber Reinforced Plastic One Piece Reducer	494.55	202.69
23 31 16 16-0157	EA	14" Fiber Reinforced Plastic One Piece Reducer	528.52	214.57
23 31 16 16-0158	EA	16" Fiber Reinforced Plastic One Piece Reducer	582.93	232.90
23 31 16 16-0159	EA	18" Fiber Reinforced Plastic One Piece Reducer	640.02	250.10
23 31 16 16-0160	EA	20" Fiber Reinforced Plastic One Piece Reducer	713.89	271.60
23 31 16 16-0161	EA	24" Fiber Reinforced Plastic One Piece Reducer	812.01	299.10
23 31 16 16-0162	EA	30" Fiber Reinforced Plastic One Piece Reducer	909.79	326.49
23 31 16 16-0163	EA	36" Fiber Reinforced Plastic One Piece Reducer	1,029.67	367.00
23 31 16 16-0164	EA	42" Fiber Reinforced Plastic One Piece Reducer	1,149.81	407.74
23 31 16 16-0165	EA	48" Fiber Reinforced Plastic One Piece Reducer	1,293.27	448.26
23 31 16 16-0166	EA	54" Fiber Reinforced Plastic One Piece Reducer	1,534.65	543.21
23 31 16 16-0167	EA	60" Fiber Reinforced Plastic One Piece Reducer	1,836.98	679.01
23 31 16 16-0168	EA	66" Fiber Reinforced Plastic One Piece Reducer	2,067.40	813.01
23 31 16 16-0169	EA	72" Fiber Reinforced Plastic One Piece Reducer	2,323.79	924.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 16-0170		**Fiber Reinforced Plastic Two Piece Reducer** *(23 31 16 16-0001)*		
23 31 16 16-0171	EA	2" Fiber Reinforced Plastic Two Piece Reducer	188.05	58.74
23 31 16 16-0172	EA	3" Fiber Reinforced Plastic Two Piece Reducer	207.09	70.16
23 31 16 16-0173	EA	4" Fiber Reinforced Plastic Two Piece Reducer	240.35	81.48
23 31 16 16-0174	EA	6" Fiber Reinforced Plastic Two Piece Reducer	311.68	108.64
23 31 16 16-0175	EA	8" Fiber Reinforced Plastic Two Piece Reducer	383.07	135.81
23 31 16 16-0176	EA	10" Fiber Reinforced Plastic Two Piece Reducer	455.55	163.64
23 31 16 16-0177	EA	12" Fiber Reinforced Plastic Two Piece Reducer	546.80	202.69
23 31 16 16-0178	EA	14" Fiber Reinforced Plastic Two Piece Reducer	595.01	214.57
23 31 16 16-0179	EA	16" Fiber Reinforced Plastic Two Piece Reducer	649.42	232.90
23 31 16 16-0180	EA	18" Fiber Reinforced Plastic Two Piece Reducer	730.26	250.10
23 31 16 16-0181	EA	20" Fiber Reinforced Plastic Two Piece Reducer	913.37	271.60
23 31 16 16-0182	EA	24" Fiber Reinforced Plastic Two Piece Reducer	1,104.10	299.10
23 31 16 16-0183	EA	30" Fiber Reinforced Plastic Two Piece Reducer	1,185.26	326.49
23 31 16 16-0184	EA	36" Fiber Reinforced Plastic Two Piece Reducer	1,347.89	367.00
23 31 16 16-0185	EA	42" Fiber Reinforced Plastic Two Piece Reducer	1,463.27	407.74
23 31 16 16-0186	EA	48" Fiber Reinforced Plastic Two Piece Reducer	1,601.99	448.26
23 31 16 16-0187	EA	54" Fiber Reinforced Plastic Two Piece Reducer	1,783.99	543.21
23 31 16 16-0188	EA	60" Fiber Reinforced Plastic Two Piece Reducer	2,072.08	679.01
23 31 16 16-0189	EA	66" Fiber Reinforced Plastic Two Piece Reducer	2,328.62	813.01
23 31 16 16-0190	EA	72" Fiber Reinforced Plastic Two Piece Reducer	2,561.27	924.02
23 31 16 16-0191		**Fiber Reinforced Plastic Butterfly Dampers** *(23 31 16 16-0001)*		
23 31 16 16-0192	EA	2" Fiber Reinforced Plastic Damper	486.17	58.62
23 31 16 16-0193	EA	3" Fiber Reinforced Plastic Damper	546.08	70.05
23 31 16 16-0194	EA	4" Fiber Reinforced Plastic Damper	605.98	81.48
23 31 16 16-0195	EA	6" Fiber Reinforced Plastic Damper	712.58	108.64
23 31 16 16-0196	EA	8" Fiber Reinforced Plastic Damper	839.62	135.81
23 31 16 16-0197	EA	10" Fiber Reinforced Plastic Damper	946.23	162.96
23 31 16 16-0198	EA	12" Fiber Reinforced Plastic Damper	1,073.67	202.69
23 31 16 16-0199	EA	14" Fiber Reinforced Plastic Damper	1,195.78	214.57
23 31 16 16-0200	EA	16" Fiber Reinforced Plastic Damper	1,328.78	233.02
23 31 16 16-0201	EA	18" Fiber Reinforced Plastic Damper	1,459.06	249.87
23 31 16 16-0202	EA	20" Fiber Reinforced Plastic Damper	1,556.64	271.60
23 31 16 16-0203	EA	24" Fiber Reinforced Plastic Damper	1,765.45	298.76
23 31 16 16-0204	EA	30" Fiber Reinforced Plastic Damper	2,056.00	325.93
23 31 16 16-0205	EA	36" Fiber Reinforced Plastic Damper	2,369.26	366.67
23 31 16 16-0206	EA	42" Fiber Reinforced Plastic Damper	2,723.38	407.52
23 31 16 16-0207	EA	48" Fiber Reinforced Plastic Damper	3,036.65	448.26
23 31 16 16-0208	EA	54" Fiber Reinforced Plastic Damper	3,562.88	543.21
23 31 16 16-0209	EA	60" Fiber Reinforced Plastic Damper	4,157.18	679.01
23 31 16 16-0210	EA	66" Fiber Reinforced Plastic Damper	4,710.17	814.59
23 31 16 16-0211	EA	72" Fiber Reinforced Plastic Damper	5,422.54	923.12

23 31 16 23 Fabric Ducts *(23 31 16)*

23 31 16 23-0001 Heavy-Duty Fabric Ducts (Zip-A-Duct™) *(23 31 16 23)*

23 31 16 23-0002 Heavy-Duty Fabric Duct Without Vents *(23 31 16 23-0001)*

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA	12" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	204.50	8.69
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	320.24	11.59
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	245.83	14.49
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	366.59	19.04
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	297.79	19.88
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	427.21	26.50
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	346.25	25.67
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	487.82	33.95
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	386.06	29.40
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	580.18	39.33
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	424.64	32.71
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	647.40	43.47
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	462.20	37.27
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct Without Vents Note: Excludes suspension cable and hardware.	747.03	49.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0017		**Heavy-Duty Fabric Duct With Vents** *(23 31 16 23-0001)*		
23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	557.93	11.59
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	618.54	19.04
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	691.04	26.50
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	765.92	33.95
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	922.45	39.33
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	989.67	43.47
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy-Duty Fabric Duct With Vents Note: Excludes suspension cable and hardware.	1,117.83	49.68
23 31 16 23-0025		**Heavy-Duty Fabric Duct 90 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0026	EA	12" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	415.45	12.42
23 31 16 23-0027	EA	16" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	464.17	19.88
23 31 16 23-0028	EA	20" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	628.45	21.53
23 31 16 23-0029	EA	24" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	767.49	28.98
23 31 16 23-0030	EA	28" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	970.06	32.29
23 31 16 23-0031	EA	32" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,209.40	35.19
23 31 16 23-0032	EA	36" Diameter Gray Heavy-Duty Fabric Duct 90 Degree Elbow Note: Excludes suspension cable and hardware.	1,374.18	39.33
23 31 16 23-0033		**Heavy-Duty Fabric Duct 45 Degree Elbow** *(23 31 16 23-0001)*		
23 31 16 23-0034	EA	12" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	318.00	12.42
23 31 16 23-0035	EA	16" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	373.85	19.88
23 31 16 23-0036	EA	20" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	419.28	21.53
23 31 16 23-0037	EA	24" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	489.40	28.98
23 31 16 23-0038	EA	28" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	565.99	32.29
23 31 16 23-0039	EA	32" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	679.35	35.19
23 31 16 23-0040	EA	36" Diameter Gray Heavy-Duty Fabric Duct 45 Degree Elbow Note: Excludes suspension cable and hardware.	775.09	39.33
23 31 16 23-0041		**Heavy-Duty Fabric Duct Tee** *(23 31 16 23-0001)*		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,014.69	28.98
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,068.50	31.06
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,158.17	41.81
23 31 16 23-0045	EA	28" x 20" x 20" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,218.39	46.79
23 31 16 23-0046	EA	32" x 24" x 24" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,264.20	50.92
23 31 16 23-0047	EA	36" x 28" x 28" Gray Heavy-Duty Fabric Duct Tee Note: Excludes suspension cable and hardware.	1,325.81	57.13
23 31 16 23-0048		**Heavy-Duty Fabric Duct Inlets** *(23 31 16 23-0001)*		
23 31 16 23-0049	EA	12" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	163.50	12.42
23 31 16 23-0050	EA	16" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	193.21	19.88
23 31 16 23-0051	EA	20" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	207.74	21.53
23 31 16 23-0052	EA	24" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	239.82	28.98
23 31 16 23-0053	EA	28" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	256.99	32.29
23 31 16 23-0054	EA	32" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	275.28	35.19
23 31 16 23-0055	EA	36" Diameter Gray Heavy-Duty Fabric Duct Transition Inlet Note: Excludes suspension cable and hardware.	302.08	39.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0056		Heavy-Duty Fabric Duct Cap *(23 31 16 23-0001)*		
23 31 16 23-0057	EA	12" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	96.15	7.46
23 31 16 23-0058	EA	16" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	121.83	12.01
23 31 16 23-0059	EA	20" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	143.36	12.83
23 31 16 23-0060	EA	24" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	199.94	17.39
23 31 16 23-0061	EA	28" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	239.49	19.46
23 31 16 23-0062	EA	32" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	299.17	21.11
23 31 16 23-0063	EA	36" Diameter Gray Heavy-Duty Fabric Duct End Cap Note: Excludes suspension cable and hardware.	337.60	23.60
23 31 16 23-0064		Heavy-Duty Fabric Duct Suspension Hardware *(23 31 16 23-0001)*		
23 31 16 23-0065	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	36.90	6.27
23 31 16 23-0066	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	57.61	9.41
23 31 16 23-0067	EA	Galvanized Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	13.57	3.14
23 31 16 23-0068	LF	Galvanized Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	0.84	0.12
23 31 16 23-0069	EA	Galvanized Stretcher For Straight Fabric Duct Runs	31.65	6.27
23 31 16 23-0070	EA	12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	68.47	6.27
23 31 16 23-0071	EA	20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	93.50	9.41
23 31 16 23-0072	EA	Stainless Steel Cable Locks For Horizontal Cables Note: Requires two (2) cable locks per support point or per stretcher.	18.02	3.14
23 31 16 23-0073	LF	Stainless Steel Plastic Coated Cable For Fabric Duct Note: Excludes anchor bolts or anchors.	2.65	0.12
23 31 16 23-0074	EA	Stainless Steel Stretcher For Straight Fabric Duct Runs	43.15	6.27

23 33 Air Duct Accessories *(23 30)*

23 33 13 Dampers *(23 33)*

23 33 13 13 Volume-Control Dampers *(23 33 13)*

23 33 13 13-0001		Radial Opposed Blade Damper Steel Construction (Ruskin CDR) *(23 33 13 13)*		
23 33 13 13-0002	EA	6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	125.90	10.02
		For Stainless Steel, Add	*104.44*	
		For Parallel Blade Damper, Add	*34.81*	
23 33 13 13-0003	EA	7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	133.37	11.27
		For Stainless Steel, Add	*105.95*	
		For Parallel Blade Damper, Add	*35.32*	
23 33 13 13-0004	EA	8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	141.64	12.52
		For Stainless Steel, Add	*107.06*	
		For Parallel Blade Damper, Add	*35.69*	
23 33 13 13-0005	EA	10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	152.60	15.03
		For Stainless Steel, Add	*113.76*	
		For Parallel Blade Damper, Add	*37.92*	
23 33 13 13-0006	EA	12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	164.79	16.28
		For Stainless Steel, Add	*120.46*	
		For Parallel Blade Damper, Add	*40.15*	
23 33 13 13-0007	EA	14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	198.71	17.54
		For Stainless Steel, Add	*153.91*	
		For Parallel Blade Damper, Add	*51.30*	
23 33 13 13-0008	EA	15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	217.13	18.78
		For Stainless Steel, Add	*167.29*	
		For Parallel Blade Damper, Add	*55.76*	
23 33 13 13-0009	EA	16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	228.44	21.29
		For Stainless Steel, Add	*173.95*	
		For Parallel Blade Damper, Add	*57.98*	
23 33 13 13-0010	EA	18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	251.88	22.54
		For Stainless Steel, Add	*194.05*	
		For Parallel Blade Damper, Add	*64.68*	
23 33 13 13-0011	EA	20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	298.76	25.05
		For Stainless Steel, Add	*240.90*	
		For Parallel Blade Damper, Add	*80.30*	
23 33 13 13-0012	EA	24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	331.06	25.05
		For Stainless Steel, Add	*274.32*	
		For Parallel Blade Damper, Add	*91.44*	
23 33 13 13-0013	EA	30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	380.34	28.80
		For Stainless Steel, Add	*321.16*	
		For Parallel Blade Damper, Add	*107.05*	
23 33 13 13-0014	EA	36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated	410.26	30.06
		For Stainless Steel, Add	*349.96*	
		For Parallel Blade Damper, Add	*116.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0015		Rectangular Opposed Blade Damper (Ruskin CD) *(23 33 13 13)*		
23 33 13 13-0016	EA	6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	147.01	13.93
		For Stainless Steel, Add	*126.29*	
		For Parallel Blade Damper, Add	*42.10*	
23 33 13 13-0017	EA	8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	156.37	14.55
		For Stainless Steel, Add	*135.25*	
		For Parallel Blade Damper, Add	*45.08*	
23 33 13 13-0018	EA	8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.14	14.68
		For Stainless Steel, Add	*144.28*	
		For Parallel Blade Damper, Add	*48.09*	
23 33 13 13-0019	EA	10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	164.14	14.68
		For Stainless Steel, Add	*144.28*	
		For Parallel Blade Damper, Add	*48.09*	
23 33 13 13-0020	EA	10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.93	15.06
		For Stainless Steel, Add	*153.31*	
		For Parallel Blade Damper, Add	*51.10*	
23 33 13 13-0021	EA	10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	192.95	16.69
		For Stainless Steel, Add	*171.31*	
		For Parallel Blade Damper, Add	*57.10*	
23 33 13 13-0022	EA	12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	172.93	15.06
		For Stainless Steel, Add	*153.31*	
		For Parallel Blade Damper, Add	*51.10*	
23 33 13 13-0023	EA	12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	190.43	15.93
		For Stainless Steel, Add	*171.31*	
		For Parallel Blade Damper, Add	*57.10*	
23 33 13 13-0024	EA	12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.52	16.69
		For Stainless Steel, Add	*180.40*	
		For Parallel Blade Damper, Add	*60.13*	
23 33 13 13-0025	EA	12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.49	18.82
		For Stainless Steel, Add	*198.04*	
		For Parallel Blade Damper, Add	*66.01*	
23 33 13 13-0026	EA	14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	186.72	15.93
		For Stainless Steel, Add	*166.86*	
		For Parallel Blade Damper, Add	*55.62*	
23 33 13 13-0027	EA	14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.52	16.69
		For Stainless Steel, Add	*180.40*	
		For Parallel Blade Damper, Add	*60.13*	
23 33 13 13-0028	EA	14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.55	17.56
		For Stainless Steel, Add	*189.43*	
		For Parallel Blade Damper, Add	*63.14*	
23 33 13 13-0029	EA	14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	221.84	18.82
		For Stainless Steel, Add	*198.46*	
		For Parallel Blade Damper, Add	*66.15*	
23 33 13 13-0030	EA	14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	246.87	20.95
		For Stainless Steel, Add	*220.97*	
		For Parallel Blade Damper, Add	*73.66*	
23 33 13 13-0031	EA	16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	200.52	16.69
		For Stainless Steel, Add	*180.40*	
		For Parallel Blade Damper, Add	*60.13*	
23 33 13 13-0032	EA	16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	211.81	17.94
		For Stainless Steel, Add	*189.43*	
		For Parallel Blade Damper, Add	*63.14*	
23 33 13 13-0033	EA	16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.34	19.69
		For Stainless Steel, Add	*198.46*	
		For Parallel Blade Damper, Add	*66.15*	
23 33 13 13-0034	EA	16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	235.58	20.95
		For Stainless Steel, Add	*207.42*	
		For Parallel Blade Damper, Add	*69.14*	
23 33 13 13-0035	EA	16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.73	22.95
		For Stainless Steel, Add	*230.06*	
		For Parallel Blade Damper, Add	*76.69*	
23 33 13 13-0036	EA	16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.76	25.09
		For Stainless Steel, Add	*252.58*	
		For Parallel Blade Damper, Add	*84.19*	
23 33 13 13-0037	EA	18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	210.55	17.56
		For Stainless Steel, Add	*189.43*	
		For Parallel Blade Damper, Add	*63.14*	
23 33 13 13-0038	EA	18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	225.55	18.82
		For Stainless Steel, Add	*202.91*	
		For Parallel Blade Damper, Add	*67.64*	
23 33 13 13-0039	EA	18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	243.16	20.95
		For Stainless Steel, Add	*216.52*	
		For Parallel Blade Damper, Add	*72.17*	
23 33 13 13-0040	EA	18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	268.25	22.95
		For Stainless Steel, Add	*239.09*	
		For Parallel Blade Damper, Add	*79.70*	
23 33 13 13-0041	EA	18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	289.52	25.09
		For Stainless Steel, Add	*257.09*	
		For Parallel Blade Damper, Add	*85.70*	
23 33 13 13-0042	EA	18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	303.95	27.10
		For Stainless Steel, Add	*266.89*	
		For Parallel Blade Damper, Add	*88.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0043	EA	18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.00	29.23
		For Stainless Steel, Add	*279.82*	
		For Parallel Blade Damper, Add	*93.27*	
23 33 13 13-0044	EA	20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	206.81	18.82
		For Stainless Steel, Add	*180.42*	
		For Parallel Blade Damper, Add	*60.14*	
23 33 13 13-0045	EA	20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	226.71	20.95
		For Stainless Steel, Add	*196.78*	
		For Parallel Blade Damper, Add	*65.59*	
23 33 13 13-0046	EA	20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	246.67	22.95
		For Stainless Steel, Add	*213.19*	
		For Parallel Blade Damper, Add	*71.06*	
23 33 13 13-0047	EA	20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.30	25.09
		For Stainless Steel, Add	*246.02*	
		For Parallel Blade Damper, Add	*82.01*	
23 33 13 13-0048	EA	20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	296.82	27.10
		For Stainless Steel, Add	*258.34*	
		For Parallel Blade Damper, Add	*86.11*	
23 33 13 13-0049	EA	20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.36	29.23
		For Stainless Steel, Add	*270.65*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0050	EA	20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.27	31.37
		For Stainless Steel, Add	*287.02*	
		For Parallel Blade Damper, Add	*95.67*	
23 33 13 13-0051	EA	20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.17	33.37
		For Stainless Steel, Add	*303.37*	
		For Parallel Blade Damper, Add	*101.12*	
23 33 13 13-0052	EA	24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	233.55	20.95
		For Stainless Steel, Add	*204.98*	
		For Parallel Blade Damper, Add	*68.33*	
23 33 13 13-0053	EA	24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.35	22.95
		For Stainless Steel, Add	*229.61*	
		For Parallel Blade Damper, Add	*76.54*	
23 33 13 13-0054	EA	24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.30	25.09
		For Stainless Steel, Add	*246.02*	
		For Parallel Blade Damper, Add	*82.01*	
23 33 13 13-0055	EA	24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	307.08	27.10
		For Stainless Steel, Add	*270.65*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0056	EA	24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	323.58	29.23
		For Stainless Steel, Add	*282.91*	
		For Parallel Blade Damper, Add	*94.30*	
23 33 13 13-0057	EA	24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.11	31.37
		For Stainless Steel, Add	*295.22*	
		For Parallel Blade Damper, Add	*98.41*	
23 33 13 13-0058	EA	24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	366.85	33.37
		For Stainless Steel, Add	*319.79*	
		For Parallel Blade Damper, Add	*106.60*	
23 33 13 13-0059	EA	24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	399.88	37.64
		For Stainless Steel, Add	*344.36*	
		For Parallel Blade Damper, Add	*114.79*	
23 33 13 13-0060	EA	24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	439.83	41.77
		For Stainless Steel, Add	*377.24*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0061	EA	28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	260.35	22.95
		For Stainless Steel, Add	*229.61*	
		For Parallel Blade Damper, Add	*76.54*	
23 33 13 13-0062	EA	28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	280.30	25.09
		For Stainless Steel, Add	*246.02*	
		For Parallel Blade Damper, Add	*82.01*	
23 33 13 13-0063	EA	28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	307.08	27.10
		For Stainless Steel, Add	*270.65*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0064	EA	28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.00	29.23
		For Stainless Steel, Add	*287.02*	
		For Parallel Blade Damper, Add	*95.67*	
23 33 13 13-0065	EA	28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	350.32	31.37
		For Stainless Steel, Add	*307.48*	
		For Parallel Blade Damper, Add	*102.49*	
23 33 13 13-0066	EA	28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	373.64	33.37
		For Stainless Steel, Add	*327.94*	
		For Parallel Blade Damper, Add	*109.31*	
23 33 13 13-0067	EA	28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	406.72	37.64
		For Stainless Steel, Add	*352.57*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0068	EA	28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	439.83	41.77
		For Stainless Steel, Add	*377.24*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0069	EA	28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.05	43.91
		For Stainless Steel, Add	*426.38*	
		For Parallel Blade Damper, Add	*142.13*	
23 33 13 13-0070	EA	28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	533.76	48.05
		For Stainless Steel, Add	*467.38*	
		For Parallel Blade Damper, Add	*155.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0071	EA	32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	300.82	25.09
		For Stainless Steel, Add	*270.65*	
		For Parallel Blade Damper, Add	*90.22*	
23 33 13 13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.88	27.10
		For Stainless Steel, Add	*278.81*	
		For Parallel Blade Damper, Add	*92.94*	
23 33 13 13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.00	29.23
		For Stainless Steel, Add	*287.02*	
		For Parallel Blade Damper, Add	*95.67*	
23 33 13 13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.90	31.37
		For Stainless Steel, Add	*303.37*	
		For Parallel Blade Damper, Add	*101.12*	
23 33 13 13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	374.97	33.37
		For Stainless Steel, Add	*329.53*	
		For Parallel Blade Damper, Add	*109.84*	
23 33 13 13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	406.72	37.64
		For Stainless Steel, Add	*352.57*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	446.68	41.77
		For Stainless Steel, Add	*385.46*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	486.53	45.92
		For Stainless Steel, Add	*418.24*	
		For Parallel Blade Damper, Add	*139.41*	
23 33 13 13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	533.76	48.05
		For Stainless Steel, Add	*467.38*	
		For Parallel Blade Damper, Add	*155.79*	
23 33 13 13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	591.67	51.43
		For Stainless Steel, Add	*524.83*	
		For Parallel Blade Damper, Add	*174.94*	
23 33 13 13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	655.14	54.32
		For Stainless Steel, Add	*590.45*	
		For Parallel Blade Damper, Add	*196.82*	
23 33 13 13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.56	27.10
		For Stainless Steel, Add	*295.22*	
		For Parallel Blade Damper, Add	*98.41*	
23 33 13 13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	347.47	29.23
		For Stainless Steel, Add	*311.58*	
		For Parallel Blade Damper, Add	*103.86*	
23 33 13 13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	367.37	31.37
		For Stainless Steel, Add	*327.94*	
		For Parallel Blade Damper, Add	*109.31*	
23 33 13 13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	394.17	33.37
		For Stainless Steel, Add	*352.57*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.02	37.64
		For Stainless Steel, Add	*364.93*	
		For Parallel Blade Damper, Add	*121.64*	
23 33 13 13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	433.55	39.65
		For Stainless Steel, Add	*377.24*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	486.53	45.92
		For Stainless Steel, Add	*418.24*	
		For Parallel Blade Damper, Add	*139.41*	
23 33 13 13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	533.19	50.19
		For Stainless Steel, Add	*459.17*	
		For Parallel Blade Damper, Add	*153.06*	
23 33 13 13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	579.25	51.82
		For Stainless Steel, Add	*508.42*	
		For Parallel Blade Damper, Add	*169.47*	
23 33 13 13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	645.17	55.58
		For Stainless Steel, Add	*573.97*	
		For Parallel Blade Damper, Add	*191.32*	
23 33 13 13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	701.78	58.47
		For Stainless Steel, Add	*631.37*	
		For Parallel Blade Damper, Add	*210.46*	
23 33 13 13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	762.74	60.59
		For Stainless Steel, Add	*696.98*	
		For Parallel Blade Damper, Add	*232.33*	
23 33 13 13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.63	31.37
		For Stainless Steel, Add	*303.37*	
		For Parallel Blade Damper, Add	*101.12*	
23 33 13 13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	374.22	33.37
		For Stainless Steel, Add	*336.16*	
		For Parallel Blade Damper, Add	*112.05*	
23 33 13 13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.33	35.50
		For Stainless Steel, Add	*344.36*	
		For Parallel Blade Damper, Add	*114.79*	
23 33 13 13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	400.45	37.64
		For Stainless Steel, Add	*352.57*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	436.93	39.65
		For Stainless Steel, Add	*381.30*	
		For Parallel Blade Damper, Add	*127.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.15	41.77
		For Stainless Steel, Add	*410.03*	
		For Parallel Blade Damper, Add	*136.68*	
23 33 13 13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.28	48.05
		For Stainless Steel, Add	*442.80*	
		For Parallel Blade Damper, Add	*147.60*	
23 33 13 13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	553.18	52.19
		For Stainless Steel, Add	*475.63*	
		For Parallel Blade Damper, Add	*158.54*	
23 33 13 13-0102	EA	40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	604.22	55.58
		For Stainless Steel, Add	*524.83*	
		For Parallel Blade Damper, Add	*174.94*	
23 33 13 13-0103	EA	40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	688.15	58.47
		For Stainless Steel, Add	*615.01*	
		For Parallel Blade Damper, Add	*205.00*	
23 33 13 13-0104	EA	40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	739.14	61.85
		For Stainless Steel, Add	*664.15*	
		For Parallel Blade Damper, Add	*221.38*	
23 33 13 13-0105	EA	40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	819.34	63.48
		For Stainless Steel, Add	*754.38*	
		For Parallel Blade Damper, Add	*251.46*	
23 33 13 13-0106	EA	40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	897.75	66.87
		For Stainless Steel, Add	*836.41*	
		For Parallel Blade Damper, Add	*278.80*	
23 33 13 13-0107	EA	44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.58	31.37
		For Stainless Steel, Add	*319.79*	
		For Parallel Blade Damper, Add	*106.60*	
23 33 13 13-0108	EA	44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	394.17	33.37
		For Stainless Steel, Add	*352.57*	
		For Parallel Blade Damper, Add	*117.52*	
23 33 13 13-0109	EA	44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.01	35.50
		For Stainless Steel, Add	*377.24*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0110	EA	44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.13	37.64
		For Stainless Steel, Add	*385.46*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0111	EA	44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.71	39.65
		For Stainless Steel, Add	*418.24*	
		For Parallel Blade Damper, Add	*139.41*	
23 33 13 13-0112	EA	44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	501.30	41.77
		For Stainless Steel, Add	*451.01*	
		For Parallel Blade Damper, Add	*150.34*	
23 33 13 13-0113	EA	44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	560.60	50.19
		For Stainless Steel, Add	*492.06*	
		For Parallel Blade Damper, Add	*164.02*	
23 33 13 13-0114	EA	44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	607.25	54.32
		For Stainless Steel, Add	*532.98*	
		For Parallel Blade Damper, Add	*177.66*	
23 33 13 13-0115	EA	44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	688.15	58.47
		For Stainless Steel, Add	*615.01*	
		For Parallel Blade Damper, Add	*205.00*	
23 33 13 13-0116	EA	44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	762.22	62.73
		For Stainless Steel, Add	*688.84*	
		For Parallel Blade Damper, Add	*229.61*	
23 33 13 13-0117	EA	44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	843.03	66.87
		For Stainless Steel, Add	*770.75*	
		For Parallel Blade Damper, Add	*256.92*	
23 33 13 13-0118	EA	44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	910.81	68.87
		For Stainless Steel, Add	*844.56*	
		For Parallel Blade Damper, Add	*281.52*	
23 33 13 13-0119	EA	44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	978.60	71.01
		For Stainless Steel, Add	*918.38*	
		For Parallel Blade Damper, Add	*306.13*	
23 33 13 13-0120	EA	44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,046.40	73.14
		For Stainless Steel, Add	*992.21*	
		For Parallel Blade Damper, Add	*330.74*	
23 33 13 13-0121	EA	48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	387.33	33.37
		For Stainless Steel, Add	*344.36*	
		For Parallel Blade Damper, Add	*114.79*	
23 33 13 13-0122	EA	48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	421.01	35.50
		For Stainless Steel, Add	*377.24*	
		For Parallel Blade Damper, Add	*125.75*	
23 33 13 13-0123	EA	48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.13	37.64
		For Stainless Steel, Add	*385.46*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0124	EA	48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.15	41.77
		For Stainless Steel, Add	*410.03*	
		For Parallel Blade Damper, Add	*136.68*	
23 33 13 13-0125	EA	48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	507.00	45.92
		For Stainless Steel, Add	*442.80*	
		For Parallel Blade Damper, Add	*147.60*	
23 33 13 13-0126	EA	48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	546.91	50.19
		For Stainless Steel, Add	*475.63*	
		For Parallel Blade Damper, Add	*158.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0127	EA	48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	600.46	54.32
		For Stainless Steel, Add	*524.83*	
		For Parallel Blade Damper, Add	*174.94*	
23 33 13 13-0128	EA	48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	653.95	58.47
		For Stainless Steel, Add	*573.97*	
		For Parallel Blade Damper, Add	*191.32*	
23 33 13 13-0129	EA	48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	728.01	62.73
		For Stainless Steel, Add	*647.78*	
		For Parallel Blade Damper, Add	*215.93*	
23 33 13 13-0130	EA	48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	815.71	66.87
		For Stainless Steel, Add	*737.96*	
		For Parallel Blade Damper, Add	*245.99*	
23 33 13 13-0131	EA	48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	883.55	68.87
		For Stainless Steel, Add	*811.85*	
		For Parallel Blade Damper, Add	*270.62*	
23 33 13 13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	971.76	71.01
		For Stainless Steel, Add	*910.18*	
		For Parallel Blade Damper, Add	*303.39*	
23 33 13 13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,045.83	75.15
		For Stainless Steel, Add	*984.00*	
		For Parallel Blade Damper, Add	*328.00*	
23 33 13 13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,134.10	77.29
		For Stainless Steel, Add	*1,082.39*	
		For Parallel Blade Damper, Add	*360.80*	
23 33 13 13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,207.58	83.56
		For Stainless Steel, Add	*1,147.99*	
		For Parallel Blade Damper, Add	*382.66*	
23 33 13 13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	414.17	35.50
		For Stainless Steel, Add	*369.04*	
		For Parallel Blade Damper, Add	*123.01*	
23 33 13 13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	447.76	37.64
		For Stainless Steel, Add	*401.82*	
		For Parallel Blade Damper, Add	*133.94*	
23 33 13 13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.62	41.77
		For Stainless Steel, Add	*434.59*	
		For Parallel Blade Damper, Add	*144.86*	
23 33 13 13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	507.00	45.92
		For Stainless Steel, Add	*442.80*	
		For Parallel Blade Damper, Add	*147.60*	
23 33 13 13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	550.34	50.19
		For Stainless Steel, Add	*479.75*	
		For Parallel Blade Damper, Add	*159.92*	
23 33 13 13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	593.62	54.32
		For Stainless Steel, Add	*516.62*	
		For Parallel Blade Damper, Add	*172.21*	
23 33 13 13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	647.15	58.47
		For Stainless Steel, Add	*565.81*	
		For Parallel Blade Damper, Add	*188.60*	
23 33 13 13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	700.70	62.73
		For Stainless Steel, Add	*615.01*	
		For Parallel Blade Damper, Add	*205.00*	
23 33 13 13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	774.77	66.87
		For Stainless Steel, Add	*688.84*	
		For Parallel Blade Damper, Add	*229.61*	
23 33 13 13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	869.25	71.01
		For Stainless Steel, Add	*787.16*	
		For Parallel Blade Damper, Add	*262.39*	
23 33 13 13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	943.84	73.14
		For Stainless Steel, Add	*869.14*	
		For Parallel Blade Damper, Add	*289.71*	
23 33 13 13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,038.99	75.15
		For Stainless Steel, Add	*975.79*	
		For Parallel Blade Damper, Add	*325.26*	
23 33 13 13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,133.48	79.41
		For Stainless Steel, Add	*1,074.12*	
		For Parallel Blade Damper, Add	*358.04*	
23 33 13 13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,207.58	83.56
		For Stainless Steel, Add	*1,147.99*	
		For Parallel Blade Damper, Add	*382.66*	
23 33 13 13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,308.39	89.83
		For Stainless Steel, Add	*1,246.38*	
		For Parallel Blade Damper, Add	*415.46*	
23 33 13 13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,389.29	93.97
		For Stainless Steel, Add	*1,328.41*	
		For Parallel Blade Damper, Add	*442.80*	
23 33 13 13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	434.13	37.64
		For Stainless Steel, Add	*385.46*	
		For Parallel Blade Damper, Add	*128.49*	
23 33 13 13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.78	41.77
		For Stainless Steel, Add	*426.38*	
		For Parallel Blade Damper, Add	*142.13*	
23 33 13 13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.84	45.92
		For Stainless Steel, Add	*451.01*	
		For Parallel Blade Damper, Add	*150.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	533.19	50.19
		For Stainless Steel, Add	*459.17*	
		For Parallel Blade Damper, Add	*153.06*	
23 33 13 13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.36	54.32
		For Stainless Steel, Add	*504.31*	
		For Parallel Blade Damper, Add	*168.10*	
23 33 13 13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	633.47	58.47
		For Stainless Steel, Add	*549.40*	
		For Parallel Blade Damper, Add	*183.13*	
23 33 13 13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	683.60	62.73
		For Stainless Steel, Add	*594.49*	
		For Parallel Blade Damper, Add	*198.16*	
23 33 13 13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	733.72	66.87
		For Stainless Steel, Add	*639.58*	
		For Parallel Blade Damper, Add	*213.19*	
23 33 13 13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	828.25	71.01
		For Stainless Steel, Add	*737.96*	
		For Parallel Blade Damper, Add	*245.99*	
23 33 13 13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	916.57	73.14
		For Stainless Steel, Add	*836.41*	
		For Parallel Blade Damper, Add	*278.80*	
23 33 13 13-0162	EA	56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	997.99	75.15
		For Stainless Steel, Add	*926.59*	
		For Parallel Blade Damper, Add	*308.86*	
23 33 13 13-0163	EA	56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,106.21	79.41
		For Stainless Steel, Add	*1,041.40*	
		For Parallel Blade Damper, Add	*347.13*	
23 33 13 13-0164	EA	56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,200.74	83.56
		For Stainless Steel, Add	*1,139.78*	
		For Parallel Blade Damper, Add	*379.93*	
23 33 13 13-0165	EA	56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,302.11	87.69
		For Stainless Steel, Add	*1,246.38*	
		For Parallel Blade Damper, Add	*415.46*	
23 33 13 13-0166	EA	56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,383.02	91.96
		For Stainless Steel, Add	*1,328.41*	
		For Parallel Blade Damper, Add	*442.80*	
23 33 13 13-0167	EA	56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,484.40	96.11
		For Stainless Steel, Add	*1,435.01*	
		For Parallel Blade Damper, Add	*478.34*	
23 33 13 13-0168	EA	56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,585.77	100.24
		For Stainless Steel, Add	*1,541.60*	
		For Parallel Blade Damper, Add	*513.87*	
23 33 13 13-0169	EA	60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.15	41.77
		For Stainless Steel, Add	*410.03*	
		For Parallel Blade Damper, Add	*136.68*	
23 33 13 13-0170	EA	60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.84	45.92
		For Stainless Steel, Add	*451.01*	
		For Parallel Blade Damper, Add	*150.34*	
23 33 13 13-0171	EA	60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	540.03	50.19
		For Stainless Steel, Add	*467.38*	
		For Parallel Blade Damper, Add	*155.79*	
23 33 13 13-0172	EA	60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	559.46	54.32
		For Stainless Steel, Add	*475.63*	
		For Parallel Blade Damper, Add	*158.54*	
23 33 13 13-0173	EA	60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	613.00	58.47
		For Stainless Steel, Add	*524.83*	
		For Parallel Blade Damper, Add	*174.94*	
23 33 13 13-0174	EA	60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	666.50	62.73
		For Stainless Steel, Add	*573.97*	
		For Parallel Blade Damper, Add	*191.32*	
23 33 13 13-0175	EA	60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	723.46	66.87
		For Stainless Steel, Add	*627.26*	
		For Parallel Blade Damper, Add	*209.09*	
23 33 13 13-0176	EA	60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	780.42	71.01
		For Stainless Steel, Add	*680.57*	
		For Parallel Blade Damper, Add	*226.86*	
23 33 13 13-0177	EA	60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	875.53	73.14
		For Stainless Steel, Add	*787.16*	
		For Parallel Blade Damper, Add	*262.39*	
23 33 13 13-0178	EA	60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	963.79	75.15
		For Stainless Steel, Add	*885.55*	
		For Parallel Blade Damper, Add	*295.18*	
23 33 13 13-0179	EA	60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,065.22	79.41
		For Stainless Steel, Add	*992.21*	
		For Parallel Blade Damper, Add	*330.74*	
23 33 13 13-0180	EA	60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,166.59	83.56
		For Stainless Steel, Add	*1,098.80*	
		For Parallel Blade Damper, Add	*366.27*	
23 33 13 13-0181	EA	60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,247.44	87.69
		For Stainless Steel, Add	*1,180.78*	
		For Parallel Blade Damper, Add	*393.59*	
23 33 13 13-0182	EA	60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,369.29	91.96
		For Stainless Steel, Add	*1,311.94*	
		For Parallel Blade Damper, Add	*437.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0183	EA	60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,477.51	96.11
		For Stainless Steel, Add	*1,426.74*	
		For Parallel Blade Damper, Add	*475.58*	
23 33 13 13-0184	EA	60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,585.77	100.24
		For Stainless Steel, Add	*1,541.60*	
		For Parallel Blade Damper, Add	*513.87*	
23 33 13 13-0185	EA	60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,680.22	104.51
		For Stainless Steel, Add	*1,639.88*	
		For Parallel Blade Damper, Add	*546.63*	
23 33 13 13-0186	EA	60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,774.85	108.65
		For Stainless Steel, Add	*1,738.38*	
		For Parallel Blade Damper, Add	*579.46*	

23 33 13 16 Fire Dampers *(23 33 13)*

23 33 13 16-0001 Fire Dampers *(23 33 13 16)*

23 33 13 16-0002	SF	Curtain Type, Vertical, Fire Damper	151.72	13.55
		For Smoke Damper, Add	*94.30*	
		For Spring Activated Horizontal Mount Operation, Add	*24.96*	
		For Dynamic Damper, Add	*59.91*	
		For 3 Hour Rated, Add	*33.28*	
23 33 13 16-0003	SF	Louver Type, Vertical, Fire Damper	212.24	13.55
		For Smoke Damper, Add	*145.74*	
		For Spring Activated Horizontal Mount Operation, Add	*38.58*	
		For Dynamic Damper, Add	*92.59*	
		For 3 Hour Rated, Add	*51.44*	

23 33 13 16-0004 Folding Curtain Fire Dampers *(23 33 13 16)*

Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.

23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	78.26	13.93
		For Spring Activated Horizontal Mount Operation, Add	*8.21*	
		For Dynamic Damper, Add	*19.70*	
		For 3 Hour Rated, Add	*10.95*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.12*	
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	82.74	14.55
		For Spring Activated Horizontal Mount Operation, Add	*8.79*	
		For Dynamic Damper, Add	*21.10*	
		For 3 Hour Rated, Add	*11.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*9.77*	
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.60	14.68
		For Spring Activated Horizontal Mount Operation, Add	*9.38*	
		For Dynamic Damper, Add	*22.51*	
		For 3 Hour Rated, Add	*12.51*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.42*	
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	85.60	14.68
		For Spring Activated Horizontal Mount Operation, Add	*9.38*	
		For Dynamic Damper, Add	*22.51*	
		For 3 Hour Rated, Add	*12.51*	
		For Cap Of Damper Blades Outside Air Stream, Add	*10.42*	
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.47	15.06
		For Spring Activated Horizontal Mount Operation, Add	*9.97*	
		For Dynamic Damper, Add	*23.92*	
		For 3 Hour Rated, Add	*13.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.08*	
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	99.70	16.69
		For Spring Activated Horizontal Mount Operation, Add	*11.14*	
		For Dynamic Damper, Add	*26.74*	
		For 3 Hour Rated, Add	*14.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.38*	
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	89.47	15.06
		For Spring Activated Horizontal Mount Operation, Add	*9.97*	
		For Dynamic Damper, Add	*23.92*	
		For 3 Hour Rated, Add	*13.29*	
		For Cap Of Damper Blades Outside Air Stream, Add	*11.08*	
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	97.18	15.93
		For Spring Activated Horizontal Mount Operation, Add	*11.14*	
		For Dynamic Damper, Add	*26.74*	
		For 3 Hour Rated, Add	*14.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.38*	
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.31	16.69
		For Spring Activated Horizontal Mount Operation, Add	*11.73*	
		For Dynamic Damper, Add	*28.14*	
		For 3 Hour Rated, Add	*15.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.03*	
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	111.19	18.82
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	95.88	15.93
		For Spring Activated Horizontal Mount Operation, Add	*10.85*	
		For Dynamic Damper, Add	*26.03*	
		For 3 Hour Rated, Add	*14.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*12.05*	
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.31	16.69
		For Spring Activated Horizontal Mount Operation, Add	*11.73*	
		For Dynamic Damper, Add	*28.14*	
		For 3 Hour Rated, Add	*15.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.03*	
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.42	17.56
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.80	18.82
		For Spring Activated Horizontal Mount Operation, Add	*12.90*	
		For Dynamic Damper, Add	*30.96*	
		For 3 Hour Rated, Add	*17.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.34*	
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	126.59	20.95
		For Spring Activated Horizontal Mount Operation, Add	*14.37*	
		For Dynamic Damper, Add	*34.48*	
		For 3 Hour Rated, Add	*19.16*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.97*	
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	102.31	16.69
		For Spring Activated Horizontal Mount Operation, Add	*11.73*	
		For Dynamic Damper, Add	*28.14*	
		For 3 Hour Rated, Add	*15.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.03*	
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	108.68	17.94
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	
23 33 13 16-0022	EA	16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	116.30	19.69
		For Spring Activated Horizontal Mount Operation, Add	*12.90*	
		For Dynamic Damper, Add	*30.96*	
		For 3 Hour Rated, Add	*17.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.34*	
23 33 13 16-0023	EA	16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.66	20.95
		For Spring Activated Horizontal Mount Operation, Add	*13.48*	
		For Dynamic Damper, Add	*32.36*	
		For 3 Hour Rated, Add	*17.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.98*	
23 33 13 16-0024	EA	16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	135.48	22.95
		For Spring Activated Horizontal Mount Operation, Add	*14.96*	
		For Dynamic Damper, Add	*35.89*	
		For 3 Hour Rated, Add	*19.94*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.62*	
23 33 13 16-0025	EA	16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	148.26	25.09
		For Spring Activated Horizontal Mount Operation, Add	*16.42*	
		For Dynamic Damper, Add	*39.41*	
		For 3 Hour Rated, Add	*21.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.25*	
23 33 13 16-0026	EA	18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	107.42	17.56
		For Spring Activated Horizontal Mount Operation, Add	*12.31*	
		For Dynamic Damper, Add	*29.55*	
		For 3 Hour Rated, Add	*16.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*13.68*	
23 33 13 16-0027	EA	18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	115.09	18.82
		For Spring Activated Horizontal Mount Operation, Add	*13.19*	
		For Dynamic Damper, Add	*31.66*	
		For 3 Hour Rated, Add	*17.59*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.66*	
23 33 13 16-0028	EA	18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.29	20.95
		For Spring Activated Horizontal Mount Operation, Add	*14.08*	
		For Dynamic Damper, Add	*33.78*	
		For 3 Hour Rated, Add	*18.77*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.64*	
23 33 13 16-0029	EA	18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	138.09	22.95
		For Spring Activated Horizontal Mount Operation, Add	*15.54*	
		For Dynamic Damper, Add	*37.30*	
		For 3 Hour Rated, Add	*20.72*	
		For Cap Of Damper Blades Outside Air Stream, Add	*17.27*	
23 33 13 16-0030	EA	18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.56	25.09
		For Spring Activated Horizontal Mount Operation, Add	*16.71*	
		For Dynamic Damper, Add	*40.11*	
		For 3 Hour Rated, Add	*22.28*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.57*	
23 33 13 16-0031	EA	18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	162.34	27.10
		For Spring Activated Horizontal Mount Operation, Add	*18.18*	
		For Dynamic Damper, Add	*43.63*	
		For 3 Hour Rated, Add	*24.24*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0032	EA	18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.52	29.23
		For Spring Activated Horizontal Mount Operation, Add	*19.06*	
		For Dynamic Damper, Add	*45.74*	
		For 3 Hour Rated, Add	*25.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.18*	
23 33 13 16-0033	EA	20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	113.80	18.82
		For Spring Activated Horizontal Mount Operation, Add	*12.90*	
		For Dynamic Damper, Add	*30.96*	
		For 3 Hour Rated, Add	*17.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*14.34*	
23 33 13 16-0034	EA	20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.27	20.95
		For Spring Activated Horizontal Mount Operation, Add	*14.07*	
		For Dynamic Damper, Add	*33.77*	
		For 3 Hour Rated, Add	*18.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*15.64*	
23 33 13 16-0035	EA	20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	136.77	22.95
		For Spring Activated Horizontal Mount Operation, Add	*15.25*	
		For Dynamic Damper, Add	*36.59*	
		For 3 Hour Rated, Add	*20.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.94*	
23 33 13 16-0036	EA	20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.49	25.09
		For Spring Activated Horizontal Mount Operation, Add	*17.60*	
		For Dynamic Damper, Add	*42.23*	
		For 3 Hour Rated, Add	*23.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.55*	
23 33 13 16-0037	EA	20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	163.65	27.10
		For Spring Activated Horizontal Mount Operation, Add	*18.47*	
		For Dynamic Damper, Add	*44.34*	
		For 3 Hour Rated, Add	*24.63*	
		For Cap Of Damper Blades Outside Air Stream, Add	*20.53*	
23 33 13 16-0038	EA	20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	173.84	29.23
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0039	EA	20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	185.31	31.37
		For Spring Activated Horizontal Mount Operation, Add	*20.52*	
		For Dynamic Damper, Add	*49.26*	
		For 3 Hour Rated, Add	*27.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.81*	
23 33 13 16-0040	EA	20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.78	33.37
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.07*	
		For 3 Hour Rated, Add	*28.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.11*	
23 33 13 16-0041	EA	24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	127.88	20.95
		For Spring Activated Horizontal Mount Operation, Add	*14.66*	
		For Dynamic Damper, Add	*35.18*	
		For 3 Hour Rated, Add	*19.55*	
		For Cap Of Damper Blades Outside Air Stream, Add	*16.29*	
23 33 13 16-0042	EA	24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.99	22.95
		For Spring Activated Horizontal Mount Operation, Add	*16.42*	
		For Dynamic Damper, Add	*39.41*	
		For 3 Hour Rated, Add	*21.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.25*	
23 33 13 16-0043	EA	24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.49	25.09
		For Spring Activated Horizontal Mount Operation, Add	*17.60*	
		For Dynamic Damper, Add	*42.23*	
		For 3 Hour Rated, Add	*23.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.55*	
23 33 13 16-0044	EA	24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.56	27.10
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0045	EA	24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	177.74	29.23
		For Spring Activated Horizontal Mount Operation, Add	*20.23*	
		For Dynamic Damper, Add	*48.56*	
		For 3 Hour Rated, Add	*26.98*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.48*	
23 33 13 16-0046	EA	24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	187.92	31.37
		For Spring Activated Horizontal Mount Operation, Add	*21.11*	
		For Dynamic Damper, Add	*50.67*	
		For 3 Hour Rated, Add	*28.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.46*	
23 33 13 16-0047	EA	24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	202.00	33.37
		For Spring Activated Horizontal Mount Operation, Add	*22.87*	
		For Dynamic Damper, Add	*54.89*	
		For 3 Hour Rated, Add	*30.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.41*	
23 33 13 16-0048	EA	24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	222.37	37.64
		For Spring Activated Horizontal Mount Operation, Add	*24.63*	
		For Dynamic Damper, Add	*59.11*	
		For 3 Hour Rated, Add	*32.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0049	EA	24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.36	41.77
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0050	EA	28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.99	22.95
		For Spring Activated Horizontal Mount Operation, Add	*16.42*	
		For Dynamic Damper, Add	*39.41*	
		For 3 Hour Rated, Add	*21.89*	
		For Cap Of Damper Blades Outside Air Stream, Add	*18.25*	
23 33 13 16-0051	EA	28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	153.49	25.09
		For Spring Activated Horizontal Mount Operation, Add	*17.60*	
		For Dynamic Damper, Add	*42.23*	
		For 3 Hour Rated, Add	*23.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*19.55*	
23 33 13 16-0052	EA	28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	167.56	27.10
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0053	EA	28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.04	29.23
		For Spring Activated Horizontal Mount Operation, Add	*20.52*	
		For Dynamic Damper, Add	*49.26*	
		For 3 Hour Rated, Add	*27.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.81*	
23 33 13 16-0054	EA	28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	191.83	31.37
		For Spring Activated Horizontal Mount Operation, Add	*21.99*	
		For Dynamic Damper, Add	*52.78*	
		For 3 Hour Rated, Add	*29.32*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.44*	
23 33 13 16-0055	EA	28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	204.59	33.37
		For Spring Activated Horizontal Mount Operation, Add	*23.45*	
		For Dynamic Damper, Add	*56.28*	
		For 3 Hour Rated, Add	*31.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.06*	
23 33 13 16-0056	EA	28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.98	37.64
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0057	EA	28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	245.36	41.77
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0058	EA	28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	267.25	43.91
		For Spring Activated Horizontal Mount Operation, Add	*30.49*	
		For Dynamic Damper, Add	*73.18*	
		For 3 Hour Rated, Add	*40.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.88*	
23 33 13 16-0059	EA	28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.84	48.05
		For Spring Activated Horizontal Mount Operation, Add	*33.43*	
		For Dynamic Damper, Add	*80.22*	
		For 3 Hour Rated, Add	*44.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.14*	
23 33 13 16-0060	EA	32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.30	25.09
		For Spring Activated Horizontal Mount Operation, Add	*19.35*	
		For Dynamic Damper, Add	*46.45*	
		For 3 Hour Rated, Add	*25.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*21.51*	
23 33 13 16-0061	EA	32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	170.15	27.10
		For Spring Activated Horizontal Mount Operation, Add	*19.94*	
		For Dynamic Damper, Add	*47.85*	
		For 3 Hour Rated, Add	*26.58*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.15*	
23 33 13 16-0062	EA	32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.04	29.23
		For Spring Activated Horizontal Mount Operation, Add	*20.52*	
		For Dynamic Damper, Add	*49.26*	
		For 3 Hour Rated, Add	*27.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*22.81*	
23 33 13 16-0063	EA	32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.51	31.37
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.07*	
		For 3 Hour Rated, Add	*28.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.11*	
23 33 13 16-0064	EA	32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	205.09	33.37
		For Spring Activated Horizontal Mount Operation, Add	*23.56*	
		For Dynamic Damper, Add	*56.55*	
		For 3 Hour Rated, Add	*31.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.18*	
23 33 13 16-0065	EA	32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	224.98	37.64
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0066	EA	32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.97	41.77
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	
23 33 13 16-0067	EA	32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.93	45.92
		For Spring Activated Horizontal Mount Operation, Add	*29.91*	
		For Dynamic Damper, Add	*71.78*	
		For 3 Hour Rated, Add	*39.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.23*	
23 33 13 16-0068	EA	32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	292.84	48.05
		For Spring Activated Horizontal Mount Operation, Add	*33.43*	
		For Dynamic Damper, Add	*80.22*	
		For 3 Hour Rated, Add	*44.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.14*	
23 33 13 16-0069	EA	32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.12	51.43
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	
23 33 13 16-0070	EA	32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.76	54.32
		For Spring Activated Horizontal Mount Operation, Add	*42.22*	
		For Dynamic Damper, Add	*101.34*	
		For 3 Hour Rated, Add	*56.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*46.92*	
23 33 13 16-0071	EA	36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	175.37	27.10
		For Spring Activated Horizontal Mount Operation, Add	*21.11*	
		For Dynamic Damper, Add	*50.67*	
		For 3 Hour Rated, Add	*28.15*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.46*	
23 33 13 16-0072	EA	36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.85	29.23
		For Spring Activated Horizontal Mount Operation, Add	*22.28*	
		For Dynamic Damper, Add	*53.48*	
		For 3 Hour Rated, Add	*29.71*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.76*	
23 33 13 16-0073	EA	36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.32	31.37
		For Spring Activated Horizontal Mount Operation, Add	*23.45*	
		For Dynamic Damper, Add	*56.28*	
		For 3 Hour Rated, Add	*31.27*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.06*	
23 33 13 16-0074	EA	36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.43	33.37
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0075	EA	36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	228.90	37.64
		For Spring Activated Horizontal Mount Operation, Add	*26.10*	
		For Dynamic Damper, Add	*62.63*	
		For 3 Hour Rated, Add	*34.80*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.00*	
23 33 13 16-0076	EA	36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.08	39.65
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0077	EA	36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	270.93	45.92
		For Spring Activated Horizontal Mount Operation, Add	*29.91*	
		For Dynamic Damper, Add	*71.78*	
		For 3 Hour Rated, Add	*39.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.23*	
23 33 13 16-0078	EA	36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.50	50.19
		For Spring Activated Horizontal Mount Operation, Add	*32.84*	
		For Dynamic Damper, Add	*78.81*	
		For 3 Hour Rated, Add	*43.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.49*	
23 33 13 16-0079	EA	36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	247.91	51.82
		For Spring Activated Horizontal Mount Operation, Add	*20.78*	
		For Dynamic Damper, Add	*49.86*	
		For 3 Hour Rated, Add	*27.70*	
		For Cap Of Damper Blades Outside Air Stream, Add	*23.09*	
23 33 13 16-0080	EA	36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	349.30	55.58
		For Spring Activated Horizontal Mount Operation, Add	*41.05*	
		For Dynamic Damper, Add	*98.52*	
		For 3 Hour Rated, Add	*54.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.61*	
23 33 13 16-0081	EA	36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.32	58.47
		For Spring Activated Horizontal Mount Operation, Add	*45.15*	
		For Dynamic Damper, Add	*108.37*	
		For 3 Hour Rated, Add	*60.20*	
		For Cap Of Damper Blades Outside Air Stream, Add	*50.17*	
23 33 13 16-0082	EA	36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.44	60.59
		For Spring Activated Horizontal Mount Operation, Add	*49.84*	
		For Dynamic Damper, Add	*119.62*	
		For 3 Hour Rated, Add	*66.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*55.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0083	EA	40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	184.24	31.37
		For Spring Activated Horizontal Mount Operation, Add	*21.69*	
		For Dynamic Damper, Add	*52.07*	
		For 3 Hour Rated, Add	*28.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*24.11*	
23 33 13 16-0084	EA	40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	200.93	33.37
		For Spring Activated Horizontal Mount Operation, Add	*24.04*	
		For Dynamic Damper, Add	*57.69*	
		For 3 Hour Rated, Add	*32.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*26.71*	
23 33 13 16-0085	EA	40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.82	35.50
		For Spring Activated Horizontal Mount Operation, Add	*24.63*	
		For Dynamic Damper, Add	*59.11*	
		For 3 Hour Rated, Add	*32.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.37*	
23 33 13 16-0086	EA	40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	218.71	37.64
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0087	EA	40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.37	39.65
		For Spring Activated Horizontal Mount Operation, Add	*27.27*	
		For Dynamic Damper, Add	*65.44*	
		For 3 Hour Rated, Add	*36.36*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.30*	
23 33 13 16-0088	EA	40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.78	41.77
		For Spring Activated Horizontal Mount Operation, Add	*29.32*	
		For Dynamic Damper, Add	*70.37*	
		For 3 Hour Rated, Add	*39.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.58*	
23 33 13 16-0089	EA	40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.03	48.05
		For Spring Activated Horizontal Mount Operation, Add	*31.67*	
		For Dynamic Damper, Add	*76.01*	
		For 3 Hour Rated, Add	*42.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.19*	
23 33 13 16-0090	EA	40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	307.99	52.19
		For Spring Activated Horizontal Mount Operation, Add	*34.01*	
		For Dynamic Damper, Add	*81.63*	
		For 3 Hour Rated, Add	*45.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.79*	
23 33 13 16-0091	EA	40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	333.67	55.58
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	
23 33 13 16-0092	EA	40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.11	58.47
		For Spring Activated Horizontal Mount Operation, Add	*43.98*	
		For Dynamic Damper, Add	*105.55*	
		For 3 Hour Rated, Add	*58.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.87*	
23 33 13 16-0093	EA	40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	396.78	61.85
		For Spring Activated Horizontal Mount Operation, Add	*47.50*	
		For Dynamic Damper, Add	*113.99*	
		For 3 Hour Rated, Add	*63.33*	
		For Cap Of Damper Blades Outside Air Stream, Add	*52.78*	
23 33 13 16-0094	EA	40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	430.47	63.48
		For Spring Activated Horizontal Mount Operation, Add	*53.95*	
		For Dynamic Damper, Add	*129.48*	
		For 3 Hour Rated, Add	*71.93*	
		For Cap Of Damper Blades Outside Air Stream, Add	*59.95*	
23 33 13 16-0095	EA	40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.59	66.87
		For Spring Activated Horizontal Mount Operation, Add	*59.82*	
		For Dynamic Damper, Add	*143.56*	
		For 3 Hour Rated, Add	*79.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*66.46*	
23 33 13 16-0096	EA	44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	195.73	31.37
		For Spring Activated Horizontal Mount Operation, Add	*22.87*	
		For Dynamic Damper, Add	*54.89*	
		For 3 Hour Rated, Add	*30.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*25.41*	
23 33 13 16-0097	EA	44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	212.43	33.37
		For Spring Activated Horizontal Mount Operation, Add	*25.22*	
		For Dynamic Damper, Add	*60.52*	
		For 3 Hour Rated, Add	*33.62*	
		For Cap Of Damper Blades Outside Air Stream, Add	*28.02*	
23 33 13 16-0098	EA	44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.54	35.50
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0099	EA	44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.42	37.64
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0100	EA	44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	252.11	39.65
		For Spring Activated Horizontal Mount Operation, Add	*29.91*	
		For Dynamic Damper, Add	*71.78*	
		For 3 Hour Rated, Add	*39.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.23*	
23 33 13 16-0101	EA	44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.82	41.77
		For Spring Activated Horizontal Mount Operation, Add	*32.26*	
		For Dynamic Damper, Add	*77.41*	
		For 3 Hour Rated, Add	*43.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0102	EA	44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	306.94	50.19
		For Spring Activated Horizontal Mount Operation, Add	*35.19*	
		For Dynamic Damper, Add	*84.45*	
		For 3 Hour Rated, Add	*46.92*	
		For Cap Of Damper Blades Outside Air Stream, Add	*39.10*	
23 33 13 16-0103	EA	44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.50	54.32
		For Spring Activated Horizontal Mount Operation, Add	*38.12*	
		For Dynamic Damper, Add	*91.48*	
		For 3 Hour Rated, Add	*50.82*	
		For Cap Of Damper Blades Outside Air Stream, Add	*42.35*	
23 33 13 16-0104	EA	44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.11	58.47
		For Spring Activated Horizontal Mount Operation, Add	*43.98*	
		For Dynamic Damper, Add	*105.55*	
		For 3 Hour Rated, Add	*58.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.87*	
23 33 13 16-0105	EA	44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	407.12	62.73
		For Spring Activated Horizontal Mount Operation, Add	*49.26*	
		For Dynamic Damper, Add	*118.22*	
		For 3 Hour Rated, Add	*65.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.73*	
23 33 13 16-0106	EA	44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.72	66.87
		For Spring Activated Horizontal Mount Operation, Add	*55.12*	
		For Dynamic Damper, Add	*132.29*	
		For 3 Hour Rated, Add	*73.49*	
		For Cap Of Damper Blades Outside Air Stream, Add	*61.25*	
23 33 13 16-0107	EA	44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	475.45	68.87
		For Spring Activated Horizontal Mount Operation, Add	*60.40*	
		For Dynamic Damper, Add	*144.96*	
		For 3 Hour Rated, Add	*80.53*	
		For Cap Of Damper Blades Outside Air Stream, Add	*67.11*	
23 33 13 16-0108	EA	44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	505.17	71.01
		For Spring Activated Horizontal Mount Operation, Add	*65.68*	
		For Dynamic Damper, Add	*157.62*	
		For 3 Hour Rated, Add	*87.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.97*	
23 33 13 16-0109	EA	44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	534.93	73.14
		For Spring Activated Horizontal Mount Operation, Add	*70.96*	
		For Dynamic Damper, Add	*170.30*	
		For 3 Hour Rated, Add	*94.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*78.84*	
23 33 13 16-0110	EA	48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	209.82	33.37
		For Spring Activated Horizontal Mount Operation, Add	*24.63*	
		For Dynamic Damper, Add	*59.11*	
		For 3 Hour Rated, Add	*32.84*	
		For Cap Of Damper Blades Outside Air Stream, Add	*27.37*	
23 33 13 16-0111	EA	48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	226.54	35.50
		For Spring Activated Horizontal Mount Operation, Add	*26.98*	
		For Dynamic Damper, Add	*64.75*	
		For 3 Hour Rated, Add	*35.97*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.98*	
23 33 13 16-0112	EA	48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.42	37.64
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	
23 33 13 16-0113	EA	48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.78	41.77
		For Spring Activated Horizontal Mount Operation, Add	*29.32*	
		For Dynamic Damper, Add	*70.37*	
		For 3 Hour Rated, Add	*39.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.58*	
23 33 13 16-0114	EA	48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.75	45.92
		For Spring Activated Horizontal Mount Operation, Add	*31.67*	
		For Dynamic Damper, Add	*76.01*	
		For 3 Hour Rated, Add	*42.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.19*	
23 33 13 16-0115	EA	48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	301.72	50.19
		For Spring Activated Horizontal Mount Operation, Add	*34.01*	
		For Dynamic Damper, Add	*81.63*	
		For 3 Hour Rated, Add	*45.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.79*	
23 33 13 16-0116	EA	48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	329.91	54.32
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0117	EA	48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	358.08	58.47
		For Spring Activated Horizontal Mount Operation, Add	*41.05*	
		For Dynamic Damper, Add	*98.52*	
		For 3 Hour Rated, Add	*54.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.61*	
23 33 13 16-0118	EA	48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.09	62.73
		For Spring Activated Horizontal Mount Operation, Add	*46.33*	
		For Dynamic Damper, Add	*111.19*	
		For 3 Hour Rated, Add	*61.77*	
		For Cap Of Damper Blades Outside Air Stream, Add	*51.48*	
23 33 13 16-0119	EA	48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.30	66.87
		For Spring Activated Horizontal Mount Operation, Add	*52.78*	
		For Dynamic Damper, Add	*126.66*	
		For 3 Hour Rated, Add	*70.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.64*	
23 33 13 16-0120	EA	48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	465.04	68.87
		For Spring Activated Horizontal Mount Operation, Add	*58.06*	
		For Dynamic Damper, Add	*139.34*	
		For 3 Hour Rated, Add	*77.41*	
		For Cap Of Damper Blades Outside Air Stream, Add	*64.51*	
23 33 13 16-0121	EA	48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.56	71.01
		For Spring Activated Horizontal Mount Operation, Add	*65.09*	
		For Dynamic Damper, Add	*156.21*	
		For 3 Hour Rated, Add	*86.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*72.32*	
23 33 13 16-0122	EA	48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.59	75.15
		For Spring Activated Horizontal Mount Operation, Add	*70.37*	
		For Dynamic Damper, Add	*168.89*	
		For 3 Hour Rated, Add	*93.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*78.19*	
23 33 13 16-0123	EA	48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	576.14	77.29
		For Spring Activated Horizontal Mount Operation, Add	*77.41*	
		For Dynamic Damper, Add	*185.78*	
		For 3 Hour Rated, Add	*103.21*	
		For Cap Of Damper Blades Outside Air Stream, Add	*86.01*	
23 33 13 16-0124	EA	48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.80	83.56
		For Spring Activated Horizontal Mount Operation, Add	*82.10*	
		For Dynamic Damper, Add	*197.04*	
		For 3 Hour Rated, Add	*109.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.22*	
23 33 13 16-0125	EA	52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.93	35.50
		For Spring Activated Horizontal Mount Operation, Add	*26.39*	
		For Dynamic Damper, Add	*63.34*	
		For 3 Hour Rated, Add	*35.19*	
		For Cap Of Damper Blades Outside Air Stream, Add	*29.32*	
23 33 13 16-0126	EA	52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	240.62	37.64
		For Spring Activated Horizontal Mount Operation, Add	*28.73*	
		For Dynamic Damper, Add	*68.96*	
		For 3 Hour Rated, Add	*38.31*	
		For Cap Of Damper Blades Outside Air Stream, Add	*31.93*	
23 33 13 16-0127	EA	52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	263.59	41.77
		For Spring Activated Horizontal Mount Operation, Add	*31.08*	
		For Dynamic Damper, Add	*74.59*	
		For 3 Hour Rated, Add	*41.44*	
		For Cap Of Damper Blades Outside Air Stream, Add	*34.53*	
23 33 13 16-0128	EA	52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	278.75	45.92
		For Spring Activated Horizontal Mount Operation, Add	*31.67*	
		For Dynamic Damper, Add	*76.01*	
		For 3 Hour Rated, Add	*42.23*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.19*	
23 33 13 16-0129	EA	52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.03	50.19
		For Spring Activated Horizontal Mount Operation, Add	*34.31*	
		For Dynamic Damper, Add	*82.34*	
		For 3 Hour Rated, Add	*45.74*	
		For Cap Of Damper Blades Outside Air Stream, Add	*38.12*	
23 33 13 16-0130	EA	52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	327.30	54.32
		For Spring Activated Horizontal Mount Operation, Add	*36.95*	
		For Dynamic Damper, Add	*88.67*	
		For 3 Hour Rated, Add	*49.26*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.05*	
23 33 13 16-0131	EA	52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.49	58.47
		For Spring Activated Horizontal Mount Operation, Add	*40.47*	
		For Dynamic Damper, Add	*97.12*	
		For 3 Hour Rated, Add	*53.96*	
		For Cap Of Damper Blades Outside Air Stream, Add	*44.96*	
23 33 13 16-0132	EA	52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.66	62.73
		For Spring Activated Horizontal Mount Operation, Add	*43.98*	
		For Dynamic Damper, Add	*105.55*	
		For 3 Hour Rated, Add	*58.64*	
		For Cap Of Damper Blades Outside Air Stream, Add	*48.87*	
23 33 13 16-0133	EA	52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	419.67	66.87
		For Spring Activated Horizontal Mount Operation, Add	*49.26*	
		For Dynamic Damper, Add	*118.22*	
		For 3 Hour Rated, Add	*65.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0134	EA	52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.48	71.01
		For Spring Activated Horizontal Mount Operation, Add	*56.30*	
		For Dynamic Damper, Add	*135.11*	
		For 3 Hour Rated, Add	*75.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*62.55*	
23 33 13 16-0135	EA	52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	495.81	73.14
		For Spring Activated Horizontal Mount Operation, Add	*62.16*	
		For Dynamic Damper, Add	*149.18*	
		For 3 Hour Rated, Add	*82.88*	
		For Cap Of Damper Blades Outside Air Stream, Add	*69.06*	
23 33 13 16-0136	EA	52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	535.98	75.15
		For Spring Activated Horizontal Mount Operation, Add	*69.78*	
		For Dynamic Damper, Add	*167.48*	
		For 3 Hour Rated, Add	*93.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*77.54*	
23 33 13 16-0137	EA	52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	579.78	79.41
		For Spring Activated Horizontal Mount Operation, Add	*76.82*	
		For Dynamic Damper, Add	*184.36*	
		For 3 Hour Rated, Add	*102.42*	
		For Cap Of Damper Blades Outside Air Stream, Add	*85.35*	
23 33 13 16-0138	EA	52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	615.80	83.56
		For Spring Activated Horizontal Mount Operation, Add	*82.10*	
		For Dynamic Damper, Add	*197.04*	
		For 3 Hour Rated, Add	*109.46*	
		For Cap Of Damper Blades Outside Air Stream, Add	*91.22*	
23 33 13 16-0139	EA	52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	665.89	89.83
		For Spring Activated Horizontal Mount Operation, Add	*89.13*	
		For Dynamic Damper, Add	*213.92*	
		For 3 Hour Rated, Add	*118.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.04*	
23 33 13 16-0140	EA	52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.50	93.97
		For Spring Activated Horizontal Mount Operation, Add	*95.00*	
		For Dynamic Damper, Add	*228.00*	
		For 3 Hour Rated, Add	*126.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*105.56*	
23 33 13 16-0141	EA	56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	235.42	37.64
		For Spring Activated Horizontal Mount Operation, Add	*27.56*	
		For Dynamic Damper, Add	*66.16*	
		For 3 Hour Rated, Add	*36.75*	
		For Cap Of Damper Blades Outside Air Stream, Add	*30.63*	
23 33 13 16-0142	EA	56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.98	41.77
		For Spring Activated Horizontal Mount Operation, Add	*30.49*	
		For Dynamic Damper, Add	*73.18*	
		For 3 Hour Rated, Add	*40.66*	
		For Cap Of Damper Blades Outside Air Stream, Add	*33.88*	
23 33 13 16-0143	EA	56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.36	45.92
		For Spring Activated Horizontal Mount Operation, Add	*32.26*	
		For Dynamic Damper, Add	*77.41*	
		For 3 Hour Rated, Add	*43.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0144	EA	56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	296.50	50.19
		For Spring Activated Horizontal Mount Operation, Add	*32.84*	
		For Dynamic Damper, Add	*78.81*	
		For 3 Hour Rated, Add	*43.79*	
		For Cap Of Damper Blades Outside Air Stream, Add	*36.49*	
23 33 13 16-0145	EA	56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	323.40	54.32
		For Spring Activated Horizontal Mount Operation, Add	*36.07*	
		For Dynamic Damper, Add	*86.56*	
		For 3 Hour Rated, Add	*48.09*	
		For Cap Of Damper Blades Outside Air Stream, Add	*40.08*	
23 33 13 16-0146	EA	56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.27	58.47
		For Spring Activated Horizontal Mount Operation, Add	*39.29*	
		For Dynamic Damper, Add	*94.30*	
		For 3 Hour Rated, Add	*52.39*	
		For Cap Of Damper Blades Outside Air Stream, Add	*43.66*	
23 33 13 16-0147	EA	56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.15	62.73
		For Spring Activated Horizontal Mount Operation, Add	*42.52*	
		For Dynamic Damper, Add	*102.04*	
		For 3 Hour Rated, Add	*56.69*	
		For Cap Of Damper Blades Outside Air Stream, Add	*47.24*	
23 33 13 16-0148	EA	56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	404.03	66.87
		For Spring Activated Horizontal Mount Operation, Add	*45.74*	
		For Dynamic Damper, Add	*109.78*	
		For 3 Hour Rated, Add	*60.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*50.82*	
23 33 13 16-0149	EA	56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.84	71.01
		For Spring Activated Horizontal Mount Operation, Add	*52.78*	
		For Dynamic Damper, Add	*126.66*	
		For 3 Hour Rated, Add	*70.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*58.64*	
23 33 13 16-0150	EA	56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	485.41	73.14
		For Spring Activated Horizontal Mount Operation, Add	*59.82*	
		For Dynamic Damper, Add	*143.56*	
		For 3 Hour Rated, Add	*79.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*66.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0151	EA	56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.34	75.15
		For Spring Activated Horizontal Mount Operation, Add	*66.26*	
		For Dynamic Damper, Add	*159.04*	
		For 3 Hour Rated, Add	*88.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*73.63*	
23 33 13 16-0152	EA	56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	569.38	79.41
		For Spring Activated Horizontal Mount Operation, Add	*74.48*	
		For Dynamic Damper, Add	*178.74*	
		For 3 Hour Rated, Add	*99.30*	
		For Cap Of Damper Blades Outside Air Stream, Add	*82.75*	
23 33 13 16-0153	EA	56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	613.19	83.56
		For Spring Activated Horizontal Mount Operation, Add	*81.51*	
		For Dynamic Damper, Add	*195.63*	
		For 3 Hour Rated, Add	*108.68*	
		For Cap Of Damper Blades Outside Air Stream, Add	*90.57*	
23 33 13 16-0154	EA	56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.61	87.69
		For Spring Activated Horizontal Mount Operation, Add	*89.13*	
		For Dynamic Damper, Add	*213.92*	
		For 3 Hour Rated, Add	*118.85*	
		For Cap Of Damper Blades Outside Air Stream, Add	*99.04*	
23 33 13 16-0155	EA	56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	698.23	91.96
		For Spring Activated Horizontal Mount Operation, Add	*95.00*	
		For Dynamic Damper, Add	*228.00*	
		For 3 Hour Rated, Add	*126.67*	
		For Cap Of Damper Blades Outside Air Stream, Add	*105.56*	
23 33 13 16-0156	EA	56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	744.66	96.11
		For Spring Activated Horizontal Mount Operation, Add	*102.62*	
		For Dynamic Damper, Add	*246.29*	
		For 3 Hour Rated, Add	*136.83*	
		For Cap Of Damper Blades Outside Air Stream, Add	*114.03*	
23 33 13 16-0157	EA	56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.08	100.24
		For Spring Activated Horizontal Mount Operation, Add	*110.25*	
		For Dynamic Damper, Add	*264.59*	
		For 3 Hour Rated, Add	*146.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*122.50*	
23 33 13 16-0158	EA	60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	255.78	41.77
		For Spring Activated Horizontal Mount Operation, Add	*29.32*	
		For Dynamic Damper, Add	*70.37*	
		For 3 Hour Rated, Add	*39.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*32.58*	
23 33 13 16-0159	EA	60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.36	45.92
		For Spring Activated Horizontal Mount Operation, Add	*32.26*	
		For Dynamic Damper, Add	*77.41*	
		For 3 Hour Rated, Add	*43.01*	
		For Cap Of Damper Blades Outside Air Stream, Add	*35.84*	
23 33 13 16-0160	EA	60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	299.11	50.19
		For Spring Activated Horizontal Mount Operation, Add	*33.43*	
		For Dynamic Damper, Add	*80.22*	
		For 3 Hour Rated, Add	*44.57*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.14*	
23 33 13 16-0161	EA	60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	314.27	54.32
		For Spring Activated Horizontal Mount Operation, Add	*34.01*	
		For Dynamic Damper, Add	*81.63*	
		For 3 Hour Rated, Add	*45.35*	
		For Cap Of Damper Blades Outside Air Stream, Add	*37.79*	
23 33 13 16-0162	EA	60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	342.45	58.47
		For Spring Activated Horizontal Mount Operation, Add	*37.53*	
		For Dynamic Damper, Add	*90.08*	
		For 3 Hour Rated, Add	*50.04*	
		For Cap Of Damper Blades Outside Air Stream, Add	*41.70*	
23 33 13 16-0163	EA	60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	370.63	62.73
		For Spring Activated Horizontal Mount Operation, Add	*41.05*	
		For Dynamic Damper, Add	*98.52*	
		For 3 Hour Rated, Add	*54.73*	
		For Cap Of Damper Blades Outside Air Stream, Add	*45.61*	
23 33 13 16-0164	EA	60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.12	66.87
		For Spring Activated Horizontal Mount Operation, Add	*44.86*	
		For Dynamic Damper, Add	*107.67*	
		For 3 Hour Rated, Add	*59.81*	
		For Cap Of Damper Blades Outside Air Stream, Add	*49.85*	
23 33 13 16-0165	EA	60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	429.60	71.01
		For Spring Activated Horizontal Mount Operation, Add	*48.67*	
		For Dynamic Damper, Add	*116.81*	
		For 3 Hour Rated, Add	*64.90*	
		For Cap Of Damper Blades Outside Air Stream, Add	*54.08*	
23 33 13 16-0166	EA	60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.76	73.14
		For Spring Activated Horizontal Mount Operation, Add	*56.30*	
		For Dynamic Damper, Add	*135.11*	
		For 3 Hour Rated, Add	*75.06*	
		For Cap Of Damper Blades Outside Air Stream, Add	*62.55*	
23 33 13 16-0167	EA	60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.30	75.15
		For Spring Activated Horizontal Mount Operation, Add	*63.33*	
		For Dynamic Damper, Add	*151.99*	
		For 3 Hour Rated, Add	*84.44*	
		For Cap Of Damper Blades Outside Air Stream, Add	*70.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0168	EA	60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.75	79.41
		For Spring Activated Horizontal Mount Operation, Add	*70.96*	
		For Dynamic Damper, Add	*170.30*	
		For 3 Hour Rated, Add	*94.61*	
		For Cap Of Damper Blades Outside Air Stream, Add	*78.84*	
23 33 13 16-0169	EA	60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	600.17	83.56
		For Spring Activated Horizontal Mount Operation, Add	*78.58*	
		For Dynamic Damper, Add	*188.60*	
		For 3 Hour Rated, Add	*104.78*	
		For Cap Of Damper Blades Outside Air Stream, Add	*87.31*	
23 33 13 16-0170	EA	60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.76	87.69
		For Spring Activated Horizontal Mount Operation, Add	*84.44*	
		For Dynamic Damper, Add	*202.66*	
		For 3 Hour Rated, Add	*112.59*	
		For Cap Of Damper Blades Outside Air Stream, Add	*93.83*	
23 33 13 16-0171	EA	60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.01	91.96
		For Spring Activated Horizontal Mount Operation, Add	*93.83*	
		For Dynamic Damper, Add	*225.18*	
		For 3 Hour Rated, Add	*125.10*	
		For Cap Of Damper Blades Outside Air Stream, Add	*104.25*	
23 33 13 16-0172	EA	60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	742.05	96.11
		For Spring Activated Horizontal Mount Operation, Add	*102.04*	
		For Dynamic Damper, Add	*244.88*	
		For 3 Hour Rated, Add	*136.05*	
		For Cap Of Damper Blades Outside Air Stream, Add	*113.37*	
23 33 13 16-0173	EA	60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.08	100.24
		For Spring Activated Horizontal Mount Operation, Add	*110.25*	
		For Dynamic Damper, Add	*264.59*	
		For 3 Hour Rated, Add	*146.99*	
		For Cap Of Damper Blades Outside Air Stream, Add	*122.50*	
23 33 13 16-0174	EA	60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	834.88	104.51
		For Spring Activated Horizontal Mount Operation, Add	*117.28*	
		For Dynamic Damper, Add	*281.46*	
		For 3 Hour Rated, Add	*156.37*	
		For Cap Of Damper Blades Outside Air Stream, Add	*130.31*	
23 33 13 16-0175	EA	60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.74	108.65
		For Spring Activated Horizontal Mount Operation, Add	*124.32*	
		For Dynamic Damper, Add	*298.37*	
		For 3 Hour Rated, Add	*165.76*	
		For Cap Of Damper Blades Outside Air Stream, Add	*138.14*	

23 33 13 16-0176 Parallel Blade Louver Fire Damper *(23 33 13 16)*

Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.

23 33 13 16-0177	EA	6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	117.28	13.93
		For Spring Activated Horizontal Mount Operation, Add	*16.99*	
		For Dynamic Damper, Add	*40.78*	
		For 3 Hour Rated, Add	*22.65*	
23 33 13 16-0178	EA	8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	122.40	14.55
		For Spring Activated Horizontal Mount Operation, Add	*17.72*	
		For Dynamic Damper, Add	*42.52*	
		For 3 Hour Rated, Add	*23.62*	
23 33 13 16-0179	EA	8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.92	14.68
		For Spring Activated Horizontal Mount Operation, Add	*18.45*	
		For Dynamic Damper, Add	*44.29*	
		For 3 Hour Rated, Add	*24.60*	
23 33 13 16-0180	EA	10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	125.92	14.68
		For Spring Activated Horizontal Mount Operation, Add	*18.45*	
		For Dynamic Damper, Add	*44.29*	
		For 3 Hour Rated, Add	*24.60*	
23 33 13 16-0181	EA	10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.45	15.06
		For Spring Activated Horizontal Mount Operation, Add	*19.19*	
		For Dynamic Damper, Add	*46.05*	
		For 3 Hour Rated, Add	*25.58*	
23 33 13 16-0182	EA	10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	141.97	16.69
		For Spring Activated Horizontal Mount Operation, Add	*20.65*	
		For Dynamic Damper, Add	*49.56*	
		For 3 Hour Rated, Add	*27.53*	
23 33 13 16-0183	EA	12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	130.45	15.06
		For Spring Activated Horizontal Mount Operation, Add	*19.19*	
		For Dynamic Damper, Add	*46.05*	
		For 3 Hour Rated, Add	*25.58*	
23 33 13 16-0184	EA	12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	139.45	15.93
		For Spring Activated Horizontal Mount Operation, Add	*20.65*	
		For Dynamic Damper, Add	*49.56*	
		For 3 Hour Rated, Add	*27.53*	
23 33 13 16-0185	EA	12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.24	16.69
		For Spring Activated Horizontal Mount Operation, Add	*21.39*	
		For Dynamic Damper, Add	*51.33*	
		For 3 Hour Rated, Add	*28.52*	
23 33 13 16-0186	EA	12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.77	18.82
		For Spring Activated Horizontal Mount Operation, Add	*22.12*	
		For Dynamic Damper, Add	*53.09*	
		For 3 Hour Rated, Add	*29.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0187	EA	14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	137.83	15.93
		For Spring Activated Horizontal Mount Operation, Add	*20.29*	
		For Dynamic Damper, Add	*48.69*	
		For 3 Hour Rated, Add	*27.05*	
23 33 13 16-0188	EA	14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	145.24	16.69
		For Spring Activated Horizontal Mount Operation, Add	*21.39*	
		For Dynamic Damper, Add	*51.33*	
		For 3 Hour Rated, Add	*28.52*	
23 33 13 16-0189	EA	14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	151.00	17.56
		For Spring Activated Horizontal Mount Operation, Add	*22.12*	
		For Dynamic Damper, Add	*53.09*	
		For 3 Hour Rated, Add	*29.49*	
23 33 13 16-0190	EA	14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	158.02	18.82
		For Spring Activated Horizontal Mount Operation, Add	*22.85*	
		For Dynamic Damper, Add	*54.84*	
		For 3 Hour Rated, Add	*30.47*	
23 33 13 16-0191	EA	14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	172.44	20.95
		For Spring Activated Horizontal Mount Operation, Add	*24.68*	
		For Dynamic Damper, Add	*59.24*	
		For 3 Hour Rated, Add	*32.91*	
23 33 13 16-0192	EA	16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	182.94	16.69
		For Spring Activated Horizontal Mount Operation, Add	*29.87*	
		For Dynamic Damper, Add	*71.69*	
		For 3 Hour Rated, Add	*39.83*	
23 33 13 16-0193	EA	16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	190.35	17.94
		For Spring Activated Horizontal Mount Operation, Add	*30.69*	
		For Dynamic Damper, Add	*73.66*	
		For 3 Hour Rated, Add	*40.92*	
23 33 13 16-0194	EA	16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.03	19.69
		For Spring Activated Horizontal Mount Operation, Add	*31.52*	
		For Dynamic Damper, Add	*75.64*	
		For 3 Hour Rated, Add	*42.02*	
23 33 13 16-0195	EA	16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	206.43	20.95
		For Spring Activated Horizontal Mount Operation, Add	*32.33*	
		For Dynamic Damper, Add	*77.60*	
		For 3 Hour Rated, Add	*43.11*	
23 33 13 16-0196	EA	16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	221.85	22.95
		For Spring Activated Horizontal Mount Operation, Add	*34.39*	
		For Dynamic Damper, Add	*82.53*	
		For 3 Hour Rated, Add	*45.85*	
23 33 13 16-0197	EA	16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	237.25	25.09
		For Spring Activated Horizontal Mount Operation, Add	*36.44*	
		For Dynamic Damper, Add	*87.46*	
		For 3 Hour Rated, Add	*48.59*	
23 33 13 16-0198	EA	18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	189.09	17.56
		For Spring Activated Horizontal Mount Operation, Add	*30.69*	
		For Dynamic Damper, Add	*73.66*	
		For 3 Hour Rated, Add	*40.92*	
23 33 13 16-0199	EA	18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	198.34	18.82
		For Spring Activated Horizontal Mount Operation, Add	*31.92*	
		For Dynamic Damper, Add	*76.62*	
		For 3 Hour Rated, Add	*42.56*	
23 33 13 16-0200	EA	18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.11	20.95
		For Spring Activated Horizontal Mount Operation, Add	*33.16*	
		For Dynamic Damper, Add	*79.59*	
		For 3 Hour Rated, Add	*44.21*	
23 33 13 16-0201	EA	18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	225.50	22.95
		For Spring Activated Horizontal Mount Operation, Add	*35.21*	
		For Dynamic Damper, Add	*84.50*	
		For 3 Hour Rated, Add	*46.95*	
23 33 13 16-0202	EA	18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	239.06	25.09
		For Spring Activated Horizontal Mount Operation, Add	*36.85*	
		For Dynamic Damper, Add	*88.44*	
		For 3 Hour Rated, Add	*49.13*	
23 33 13 16-0203	EA	18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	254.45	27.10
		For Spring Activated Horizontal Mount Operation, Add	*38.90*	
		For Dynamic Damper, Add	*93.37*	
		For 3 Hour Rated, Add	*51.87*	
23 33 13 16-0204	EA	18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	266.19	29.23
		For Spring Activated Horizontal Mount Operation, Add	*40.13*	
		For Dynamic Damper, Add	*96.32*	
		For 3 Hour Rated, Add	*53.51*	
23 33 13 16-0205	EA	20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	196.53	18.82
		For Spring Activated Horizontal Mount Operation, Add	*31.52*	
		For Dynamic Damper, Add	*75.64*	
		For 3 Hour Rated, Add	*42.02*	
23 33 13 16-0206	EA	20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	210.07	20.95
		For Spring Activated Horizontal Mount Operation, Add	*33.15*	
		For Dynamic Damper, Add	*79.56*	
		For 3 Hour Rated, Add	*44.20*	
23 33 13 16-0207	EA	20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	223.67	22.95
		For Spring Activated Horizontal Mount Operation, Add	*34.80*	
		For Dynamic Damper, Add	*83.52*	
		For 3 Hour Rated, Add	*46.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0208	EA	20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	244.57	25.09
		For Spring Activated Horizontal Mount Operation, Add	*38.09*	
		For Dynamic Damper, Add	*91.42*	
		For 3 Hour Rated, Add	*50.79*	
23 33 13 16-0209	EA	20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	256.29	27.10
		For Spring Activated Horizontal Mount Operation, Add	*39.32*	
		For Dynamic Damper, Add	*94.37*	
		For 3 Hour Rated, Add	*52.43*	
23 33 13 16-0210	EA	20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	268.03	29.23
		For Spring Activated Horizontal Mount Operation, Add	*40.55*	
		For Dynamic Damper, Add	*97.31*	
		For 3 Hour Rated, Add	*54.06*	
23 33 13 16-0211	EA	20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	281.59	31.37
		For Spring Activated Horizontal Mount Operation, Add	*42.19*	
		For Dynamic Damper, Add	*101.25*	
		For 3 Hour Rated, Add	*56.25*	
23 33 13 16-0212	EA	20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.14	33.37
		For Spring Activated Horizontal Mount Operation, Add	*43.83*	
		For Dynamic Damper, Add	*105.18*	
		For 3 Hour Rated, Add	*58.43*	
23 33 13 16-0213	EA	24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	243.63	20.95
		For Spring Activated Horizontal Mount Operation, Add	*40.70*	
		For Dynamic Damper, Add	*97.69*	
		For 3 Hour Rated, Add	*54.27*	
23 33 13 16-0214	EA	24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.88	22.95
		For Spring Activated Horizontal Mount Operation, Add	*43.17*	
		For Dynamic Damper, Add	*103.61*	
		For 3 Hour Rated, Add	*57.56*	
23 33 13 16-0215	EA	24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.46	25.09
		For Spring Activated Horizontal Mount Operation, Add	*44.82*	
		For Dynamic Damper, Add	*107.56*	
		For 3 Hour Rated, Add	*59.75*	
23 33 13 16-0216	EA	24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.64	27.10
		For Spring Activated Horizontal Mount Operation, Add	*47.27*	
		For Dynamic Damper, Add	*113.45*	
		For 3 Hour Rated, Add	*63.03*	
23 33 13 16-0217	EA	24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	303.40	29.23
		For Spring Activated Horizontal Mount Operation, Add	*48.51*	
		For Dynamic Damper, Add	*116.41*	
		For 3 Hour Rated, Add	*64.67*	
23 33 13 16-0218	EA	24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	315.13	31.37
		For Spring Activated Horizontal Mount Operation, Add	*49.73*	
		For Dynamic Damper, Add	*119.36*	
		For 3 Hour Rated, Add	*66.31*	
23 33 13 16-0219	EA	24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	332.35	33.37
		For Spring Activated Horizontal Mount Operation, Add	*52.20*	
		For Dynamic Damper, Add	*125.27*	
		For 3 Hour Rated, Add	*69.60*	
23 33 13 16-0220	EA	24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	355.84	37.64
		For Spring Activated Horizontal Mount Operation, Add	*54.66*	
		For Dynamic Damper, Add	*131.18*	
		For 3 Hour Rated, Add	*72.88*	
23 33 13 16-0221	EA	24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.00	41.77
		For Spring Activated Horizontal Mount Operation, Add	*57.95*	
		For Dynamic Damper, Add	*139.07*	
		For 3 Hour Rated, Add	*77.26*	
23 33 13 16-0222	EA	28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	260.88	22.95
		For Spring Activated Horizontal Mount Operation, Add	*43.17*	
		For Dynamic Damper, Add	*103.61*	
		For 3 Hour Rated, Add	*57.56*	
23 33 13 16-0223	EA	28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.46	25.09
		For Spring Activated Horizontal Mount Operation, Add	*44.82*	
		For Dynamic Damper, Add	*107.56*	
		For 3 Hour Rated, Add	*59.75*	
23 33 13 16-0224	EA	28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	291.64	27.10
		For Spring Activated Horizontal Mount Operation, Add	*47.27*	
		For Dynamic Damper, Add	*113.45*	
		For 3 Hour Rated, Add	*63.03*	
23 33 13 16-0225	EA	28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.22	29.23
		For Spring Activated Horizontal Mount Operation, Add	*48.92*	
		For Dynamic Damper, Add	*117.40*	
		For 3 Hour Rated, Add	*65.22*	
23 33 13 16-0226	EA	28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	320.61	31.37
		For Spring Activated Horizontal Mount Operation, Add	*50.97*	
		For Dynamic Damper, Add	*122.32*	
		For 3 Hour Rated, Add	*67.96*	
23 33 13 16-0227	EA	28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.97	33.37
		For Spring Activated Horizontal Mount Operation, Add	*53.01*	
		For Dynamic Damper, Add	*127.23*	
		For 3 Hour Rated, Add	*70.68*	
23 33 13 16-0228	EA	28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.48	37.64
		For Spring Activated Horizontal Mount Operation, Add	*55.48*	
		For Dynamic Damper, Add	*133.15*	
		For 3 Hour Rated, Add	*73.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0229	EA	28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	383.00	41.77
		For Spring Activated Horizontal Mount Operation, Add	*57.95*	
		For Dynamic Damper, Add	*139.07*	
		For 3 Hour Rated, Add	*77.26*	
23 33 13 16-0230	EA	28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	411.15	43.91
		For Spring Activated Horizontal Mount Operation, Add	*62.87*	
		For Dynamic Damper, Add	*150.89*	
		For 3 Hour Rated, Add	*83.83*	
23 33 13 16-0231	EA	28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.95	48.05
		For Spring Activated Horizontal Mount Operation, Add	*66.98*	
		For Dynamic Damper, Add	*160.74*	
		For 3 Hour Rated, Add	*89.30*	
23 33 13 16-0232	EA	32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	285.38	25.09
		For Spring Activated Horizontal Mount Operation, Add	*47.27*	
		For Dynamic Damper, Add	*113.45*	
		For 3 Hour Rated, Add	*63.03*	
23 33 13 16-0233	EA	32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.27	27.10
		For Spring Activated Horizontal Mount Operation, Add	*48.09*	
		For Dynamic Damper, Add	*115.41*	
		For 3 Hour Rated, Add	*64.12*	
23 33 13 16-0234	EA	32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	305.22	29.23
		For Spring Activated Horizontal Mount Operation, Add	*48.92*	
		For Dynamic Damper, Add	*117.40*	
		For 3 Hour Rated, Add	*65.22*	
23 33 13 16-0235	EA	32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	318.76	31.37
		For Spring Activated Horizontal Mount Operation, Add	*50.55*	
		For Dynamic Damper, Add	*121.32*	
		For 3 Hour Rated, Add	*67.40*	
23 33 13 16-0236	EA	32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	336.67	33.37
		For Spring Activated Horizontal Mount Operation, Add	*53.17*	
		For Dynamic Damper, Add	*127.61*	
		For 3 Hour Rated, Add	*70.89*	
23 33 13 16-0237	EA	32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.48	37.64
		For Spring Activated Horizontal Mount Operation, Add	*55.48*	
		For Dynamic Damper, Add	*133.15*	
		For 3 Hour Rated, Add	*73.97*	
23 33 13 16-0238	EA	32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	386.66	41.77
		For Spring Activated Horizontal Mount Operation, Add	*58.77*	
		For Dynamic Damper, Add	*141.05*	
		For 3 Hour Rated, Add	*78.36*	
23 33 13 16-0239	EA	32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.79	45.92
		For Spring Activated Horizontal Mount Operation, Add	*62.05*	
		For Dynamic Damper, Add	*148.93*	
		For 3 Hour Rated, Add	*82.74*	
23 33 13 16-0240	EA	32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.95	48.05
		For Spring Activated Horizontal Mount Operation, Add	*66.98*	
		For Dynamic Damper, Add	*160.74*	
		For 3 Hour Rated, Add	*89.30*	
23 33 13 16-0241	EA	32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.53	51.43
		For Spring Activated Horizontal Mount Operation, Add	*72.72*	
		For Dynamic Damper, Add	*174.54*	
		For 3 Hour Rated, Add	*96.97*	
23 33 13 16-0242	EA	32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	515.50	54.32
		For Spring Activated Horizontal Mount Operation, Add	*79.29*	
		For Dynamic Damper, Add	*190.30*	
		For 3 Hour Rated, Add	*105.72*	
23 33 13 16-0243	EA	36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.36	27.10
		For Spring Activated Horizontal Mount Operation, Add	*53.96*	
		For Dynamic Damper, Add	*129.50*	
		For 3 Hour Rated, Add	*71.95*	
23 33 13 16-0244	EA	36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.95	29.23
		For Spring Activated Horizontal Mount Operation, Add	*55.83*	
		For Dynamic Damper, Add	*133.99*	
		For 3 Hour Rated, Add	*74.44*	
23 33 13 16-0245	EA	36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	350.55	31.37
		For Spring Activated Horizontal Mount Operation, Add	*57.70*	
		For Dynamic Damper, Add	*138.49*	
		For 3 Hour Rated, Add	*76.94*	
23 33 13 16-0246	EA	36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.36	33.37
		For Spring Activated Horizontal Mount Operation, Add	*60.53*	
		For Dynamic Damper, Add	*145.26*	
		For 3 Hour Rated, Add	*80.70*	
23 33 13 16-0247	EA	36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	388.18	37.64
		For Spring Activated Horizontal Mount Operation, Add	*61.94*	
		For Dynamic Damper, Add	*148.65*	
		For 3 Hour Rated, Add	*82.58*	
23 33 13 16-0248	EA	36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.71	39.65
		For Spring Activated Horizontal Mount Operation, Add	*63.34*	
		For Dynamic Damper, Add	*152.03*	
		For 3 Hour Rated, Add	*84.46*	
23 33 13 16-0249	EA	36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	440.38	45.92
		For Spring Activated Horizontal Mount Operation, Add	*68.04*	
		For Dynamic Damper, Add	*163.29*	
		For 3 Hour Rated, Add	*90.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0250	EA	36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	473.75	50.19
		For Spring Activated Horizontal Mount Operation, Add	*72.72*	
		For Dynamic Damper, Add	*174.53*	
		For 3 Hour Rated, Add	*96.96*	
23 33 13 16-0251	EA	36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.81	51.82
		For Spring Activated Horizontal Mount Operation, Add	*78.35*	
		For Dynamic Damper, Add	*188.05*	
		For 3 Hour Rated, Add	*104.47*	
23 33 13 16-0252	EA	36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	548.44	55.58
		For Spring Activated Horizontal Mount Operation, Add	*85.86*	
		For Dynamic Damper, Add	*206.05*	
		For 3 Hour Rated, Add	*114.47*	
23 33 13 16-0253	EA	36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.40	58.47
		For Spring Activated Horizontal Mount Operation, Add	*92.42*	
		For Dynamic Damper, Add	*221.81*	
		For 3 Hour Rated, Add	*123.23*	
23 33 13 16-0254	EA	36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	626.04	60.59
		For Spring Activated Horizontal Mount Operation, Add	*99.93*	
		For Dynamic Damper, Add	*239.82*	
		For 3 Hour Rated, Add	*133.24*	
23 33 13 16-0255	EA	40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	361.68	31.37
		For Spring Activated Horizontal Mount Operation, Add	*61.62*	
		For Dynamic Damper, Add	*147.88*	
		For 3 Hour Rated, Add	*82.16*	
23 33 13 16-0256	EA	40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	384.63	33.37
		For Spring Activated Horizontal Mount Operation, Add	*65.37*	
		For Dynamic Damper, Add	*156.89*	
		For 3 Hour Rated, Add	*87.16*	
23 33 13 16-0257	EA	40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.06	35.50
		For Spring Activated Horizontal Mount Operation, Add	*66.31*	
		For Dynamic Damper, Add	*159.14*	
		For 3 Hour Rated, Add	*88.41*	
23 33 13 16-0258	EA	40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	405.53	37.64
		For Spring Activated Horizontal Mount Operation, Add	*67.25*	
		For Dynamic Damper, Add	*161.40*	
		For 3 Hour Rated, Add	*89.67*	
23 33 13 16-0259	EA	40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.68	39.65
		For Spring Activated Horizontal Mount Operation, Add	*70.54*	
		For Dynamic Damper, Add	*169.29*	
		For 3 Hour Rated, Add	*94.05*	
23 33 13 16-0260	EA	40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.55	41.77
		For Spring Activated Horizontal Mount Operation, Add	*73.82*	
		For Dynamic Damper, Add	*177.17*	
		For 3 Hour Rated, Add	*98.43*	
23 33 13 16-0261	EA	40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.05	48.05
		For Spring Activated Horizontal Mount Operation, Add	*77.57*	
		For Dynamic Damper, Add	*186.18*	
		For 3 Hour Rated, Add	*103.43*	
23 33 13 16-0262	EA	40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	518.27	52.19
		For Spring Activated Horizontal Mount Operation, Add	*81.33*	
		For Dynamic Damper, Add	*195.18*	
		For 3 Hour Rated, Add	*108.44*	
23 33 13 16-0263	EA	40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.34	55.58
		For Spring Activated Horizontal Mount Operation, Add	*86.96*	
		For Dynamic Damper, Add	*208.70*	
		For 3 Hour Rated, Add	*115.94*	
23 33 13 16-0264	EA	40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	607.98	58.47
		For Spring Activated Horizontal Mount Operation, Add	*97.28*	
		For Dynamic Damper, Add	*233.46*	
		For 3 Hour Rated, Add	*129.70*	
23 33 13 16-0265	EA	40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	643.01	61.85
		For Spring Activated Horizontal Mount Operation, Add	*102.90*	
		For Dynamic Damper, Add	*246.96*	
		For 3 Hour Rated, Add	*137.20*	
23 33 13 16-0266	EA	40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.92	63.48
		For Spring Activated Horizontal Mount Operation, Add	*113.23*	
		For Dynamic Damper, Add	*271.74*	
		For 3 Hour Rated, Add	*150.97*	
23 33 13 16-0267	EA	40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	745.67	66.87
		For Spring Activated Horizontal Mount Operation, Add	*122.61*	
		For Dynamic Damper, Add	*294.26*	
		For 3 Hour Rated, Add	*163.48*	
23 33 13 16-0268	EA	44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	376.30	31.37
		For Spring Activated Horizontal Mount Operation, Add	*63.50*	
		For Dynamic Damper, Add	*152.39*	
		For 3 Hour Rated, Add	*84.66*	
23 33 13 16-0269	EA	44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	399.25	33.37
		For Spring Activated Horizontal Mount Operation, Add	*67.25*	
		For Dynamic Damper, Add	*161.40*	
		For 3 Hour Rated, Add	*89.67*	
23 33 13 16-0270	EA	44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.07	35.50
		For Spring Activated Horizontal Mount Operation, Add	*70.07*	
		For Dynamic Damper, Add	*168.17*	
		For 3 Hour Rated, Add	*93.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0271	EA	44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.50	37.64
		For Spring Activated Horizontal Mount Operation, Add	*71.01*	
		For Dynamic Damper, Add	*170.42*	
		For 3 Hour Rated, Add	*94.68*	
23 33 13 16-0272	EA	44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.45	39.65
		For Spring Activated Horizontal Mount Operation, Add	*74.76*	
		For Dynamic Damper, Add	*179.43*	
		For 3 Hour Rated, Add	*99.68*	
23 33 13 16-0273	EA	44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.41	41.77
		For Spring Activated Horizontal Mount Operation, Add	*78.51*	
		For Dynamic Damper, Add	*188.43*	
		For 3 Hour Rated, Add	*104.69*	
23 33 13 16-0274	EA	44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.35	50.19
		For Spring Activated Horizontal Mount Operation, Add	*83.21*	
		For Dynamic Damper, Add	*199.69*	
		For 3 Hour Rated, Add	*110.94*	
23 33 13 16-0275	EA	44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	553.73	54.32
		For Spring Activated Horizontal Mount Operation, Add	*87.89*	
		For Dynamic Damper, Add	*210.94*	
		For 3 Hour Rated, Add	*117.19*	
23 33 13 16-0276	EA	44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	607.98	58.47
		For Spring Activated Horizontal Mount Operation, Add	*97.28*	
		For Dynamic Damper, Add	*233.46*	
		For 3 Hour Rated, Add	*129.70*	
23 33 13 16-0277	EA	44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.06	62.73
		For Spring Activated Horizontal Mount Operation, Add	*105.72*	
		For Dynamic Damper, Add	*253.73*	
		For 3 Hour Rated, Add	*140.96*	
23 33 13 16-0278	EA	44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.28	66.87
		For Spring Activated Horizontal Mount Operation, Add	*115.10*	
		For Dynamic Damper, Add	*276.23*	
		For 3 Hour Rated, Add	*153.46*	
23 33 13 16-0279	EA	44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	756.08	68.87
		For Spring Activated Horizontal Mount Operation, Add	*123.54*	
		For Dynamic Damper, Add	*296.50*	
		For 3 Hour Rated, Add	*164.72*	
23 33 13 16-0280	EA	44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.90	71.01
		For Spring Activated Horizontal Mount Operation, Add	*131.99*	
		For Dynamic Damper, Add	*316.77*	
		For 3 Hour Rated, Add	*175.99*	
23 33 13 16-0281	EA	44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.73	73.14
		For Spring Activated Horizontal Mount Operation, Add	*140.44*	
		For Dynamic Damper, Add	*337.05*	
		For 3 Hour Rated, Add	*187.25*	
23 33 13 16-0282	EA	48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	395.06	33.37
		For Spring Activated Horizontal Mount Operation, Add	*66.31*	
		For Dynamic Damper, Add	*159.14*	
		For 3 Hour Rated, Add	*88.41*	
23 33 13 16-0283	EA	48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	418.07	35.50
		For Spring Activated Horizontal Mount Operation, Add	*70.07*	
		For Dynamic Damper, Add	*168.17*	
		For 3 Hour Rated, Add	*93.43*	
23 33 13 16-0284	EA	48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.50	37.64
		For Spring Activated Horizontal Mount Operation, Add	*71.01*	
		For Dynamic Damper, Add	*170.42*	
		For 3 Hour Rated, Add	*94.68*	
23 33 13 16-0285	EA	48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.55	41.77
		For Spring Activated Horizontal Mount Operation, Add	*73.82*	
		For Dynamic Damper, Add	*177.17*	
		For 3 Hour Rated, Add	*98.43*	
23 33 13 16-0286	EA	48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.77	45.92
		For Spring Activated Horizontal Mount Operation, Add	*77.57*	
		For Dynamic Damper, Add	*186.18*	
		For 3 Hour Rated, Add	*103.43*	
23 33 13 16-0287	EA	48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	512.00	50.19
		For Spring Activated Horizontal Mount Operation, Add	*81.33*	
		For Dynamic Damper, Add	*195.18*	
		For 3 Hour Rated, Add	*108.44*	
23 33 13 16-0288	EA	48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	549.58	54.32
		For Spring Activated Horizontal Mount Operation, Add	*86.96*	
		For Dynamic Damper, Add	*208.70*	
		For 3 Hour Rated, Add	*115.94*	
23 33 13 16-0289	EA	48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	587.11	58.47
		For Spring Activated Horizontal Mount Operation, Add	*92.58*	
		For Dynamic Damper, Add	*222.19*	
		For 3 Hour Rated, Add	*123.44*	
23 33 13 16-0290	EA	48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	637.21	62.73
		For Spring Activated Horizontal Mount Operation, Add	*101.03*	
		For Dynamic Damper, Add	*242.47*	
		For 3 Hour Rated, Add	*134.71*	
23 33 13 16-0291	EA	48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.60	66.87
		For Spring Activated Horizontal Mount Operation, Add	*111.34*	
		For Dynamic Damper, Add	*267.22*	
		For 3 Hour Rated, Add	*148.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0292	EA	48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	739.44	68.87
		For Spring Activated Horizontal Mount Operation, Add	*119.80*	
		For Dynamic Damper, Add	*287.51*	
		For 3 Hour Rated, Add	*159.73*	
23 33 13 16-0293	EA	48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	795.71	71.01
		For Spring Activated Horizontal Mount Operation, Add	*131.05*	
		For Dynamic Damper, Add	*314.51*	
		For 3 Hour Rated, Add	*174.73*	
23 33 13 16-0294	EA	48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	845.83	75.15
		For Spring Activated Horizontal Mount Operation, Add	*139.50*	
		For Dynamic Damper, Add	*334.80*	
		For 3 Hour Rated, Add	*186.00*	
23 33 13 16-0295	EA	48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	902.14	77.29
		For Spring Activated Horizontal Mount Operation, Add	*150.76*	
		For Dynamic Damper, Add	*361.82*	
		For 3 Hour Rated, Add	*201.01*	
23 33 13 16-0296	EA	48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	954.31	83.56
		For Spring Activated Horizontal Mount Operation, Add	*158.26*	
		For Dynamic Damper, Add	*379.83*	
		For 3 Hour Rated, Add	*211.02*	
23 33 13 16-0297	EA	52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	413.88	35.50
		For Spring Activated Horizontal Mount Operation, Add	*69.13*	
		For Dynamic Damper, Add	*165.91*	
		For 3 Hour Rated, Add	*92.17*	
23 33 13 16-0298	EA	52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	436.83	37.64
		For Spring Activated Horizontal Mount Operation, Add	*72.88*	
		For Dynamic Damper, Add	*174.92*	
		For 3 Hour Rated, Add	*97.18*	
23 33 13 16-0299	EA	52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	466.06	41.77
		For Spring Activated Horizontal Mount Operation, Add	*76.64*	
		For Dynamic Damper, Add	*183.92*	
		For 3 Hour Rated, Add	*102.18*	
23 33 13 16-0300	EA	52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	482.77	45.92
		For Spring Activated Horizontal Mount Operation, Add	*77.57*	
		For Dynamic Damper, Add	*186.18*	
		For 3 Hour Rated, Add	*103.43*	
23 33 13 16-0301	EA	52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.11	50.19
		For Spring Activated Horizontal Mount Operation, Add	*81.80*	
		For Dynamic Damper, Add	*196.32*	
		For 3 Hour Rated, Add	*109.07*	
23 33 13 16-0302	EA	52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	545.40	54.32
		For Spring Activated Horizontal Mount Operation, Add	*86.02*	
		For Dynamic Damper, Add	*206.44*	
		For 3 Hour Rated, Add	*114.69*	
23 33 13 16-0303	EA	52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.97	58.47
		For Spring Activated Horizontal Mount Operation, Add	*91.65*	
		For Dynamic Damper, Add	*219.96*	
		For 3 Hour Rated, Add	*122.20*	
23 33 13 16-0304	EA	52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.53	62.73
		For Spring Activated Horizontal Mount Operation, Add	*97.28*	
		For Dynamic Damper, Add	*233.46*	
		For 3 Hour Rated, Add	*129.70*	
23 33 13 16-0305	EA	52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	670.61	66.87
		For Spring Activated Horizontal Mount Operation, Add	*105.72*	
		For Dynamic Damper, Add	*253.73*	
		For 3 Hour Rated, Add	*140.96*	
23 33 13 16-0306	EA	52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	733.17	71.01
		For Spring Activated Horizontal Mount Operation, Add	*116.98*	
		For Dynamic Damper, Add	*280.74*	
		For 3 Hour Rated, Add	*155.97*	
23 33 13 16-0307	EA	52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	781.15	73.14
		For Spring Activated Horizontal Mount Operation, Add	*126.36*	
		For Dynamic Damper, Add	*303.26*	
		For 3 Hour Rated, Add	*168.48*	
23 33 13 16-0308	EA	52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	841.65	75.15
		For Spring Activated Horizontal Mount Operation, Add	*138.56*	
		For Dynamic Damper, Add	*332.54*	
		For 3 Hour Rated, Add	*184.75*	
23 33 13 16-0309	EA	52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	904.20	79.41
		For Spring Activated Horizontal Mount Operation, Add	*149.81*	
		For Dynamic Damper, Add	*359.54*	
		For 3 Hour Rated, Add	*199.75*	
23 33 13 16-0310	EA	52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	954.31	83.56
		For Spring Activated Horizontal Mount Operation, Add	*158.26*	
		For Dynamic Damper, Add	*379.83*	
		For 3 Hour Rated, Add	*211.02*	
23 33 13 16-0311	EA	52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,023.15	89.83
		For Spring Activated Horizontal Mount Operation, Add	*169.52*	
		For Dynamic Damper, Add	*406.84*	
		For 3 Hour Rated, Add	*226.02*	
23 33 13 16-0312	EA	52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,077.41	93.97
		For Spring Activated Horizontal Mount Operation, Add	*178.90*	
		For Dynamic Damper, Add	*429.37*	
		For 3 Hour Rated, Add	*238.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0313	EA	56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	428.50	37.64
		For Spring Activated Horizontal Mount Operation, Add	*71.01*	
		For Dynamic Damper, Add	*170.42*	
		For 3 Hour Rated, Add	*94.68*	
23 33 13 16-0314	EA	56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.88	41.77
		For Spring Activated Horizontal Mount Operation, Add	*75.69*	
		For Dynamic Damper, Add	*181.67*	
		For 3 Hour Rated, Add	*100.93*	
23 33 13 16-0315	EA	56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.95	45.92
		For Spring Activated Horizontal Mount Operation, Add	*78.51*	
		For Dynamic Damper, Add	*188.43*	
		For 3 Hour Rated, Add	*104.69*	
23 33 13 16-0316	EA	56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.65	50.19
		For Spring Activated Horizontal Mount Operation, Add	*79.45*	
		For Dynamic Damper, Add	*190.67*	
		For 3 Hour Rated, Add	*105.93*	
23 33 13 16-0317	EA	56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	539.16	54.32
		For Spring Activated Horizontal Mount Operation, Add	*84.61*	
		For Dynamic Damper, Add	*203.07*	
		For 3 Hour Rated, Add	*112.82*	
23 33 13 16-0318	EA	56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.62	58.47
		For Spring Activated Horizontal Mount Operation, Add	*89.77*	
		For Dynamic Damper, Add	*215.45*	
		For 3 Hour Rated, Add	*119.69*	
23 33 13 16-0319	EA	56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	610.11	62.73
		For Spring Activated Horizontal Mount Operation, Add	*94.93*	
		For Dynamic Damper, Add	*227.84*	
		For 3 Hour Rated, Add	*126.58*	
23 33 13 16-0320	EA	56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.58	66.87
		For Spring Activated Horizontal Mount Operation, Add	*100.09*	
		For Dynamic Damper, Add	*240.21*	
		For 3 Hour Rated, Add	*133.45*	
23 33 13 16-0321	EA	56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	708.14	71.01
		For Spring Activated Horizontal Mount Operation, Add	*111.34*	
		For Dynamic Damper, Add	*267.22*	
		For 3 Hour Rated, Add	*148.46*	
23 33 13 16-0322	EA	56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	764.49	73.14
		For Spring Activated Horizontal Mount Operation, Add	*122.61*	
		For Dynamic Damper, Add	*294.26*	
		For 3 Hour Rated, Add	*163.48*	
23 33 13 16-0323	EA	56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	816.61	75.15
		For Spring Activated Horizontal Mount Operation, Add	*132.93*	
		For Dynamic Damper, Add	*319.02*	
		For 3 Hour Rated, Add	*177.23*	
23 33 13 16-0324	EA	56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	887.56	79.41
		For Spring Activated Horizontal Mount Operation, Add	*146.07*	
		For Dynamic Damper, Add	*350.56*	
		For 3 Hour Rated, Add	*194.75*	
23 33 13 16-0325	EA	56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	950.12	83.56
		For Spring Activated Horizontal Mount Operation, Add	*157.32*	
		For Dynamic Damper, Add	*377.57*	
		For 3 Hour Rated, Add	*209.76*	
23 33 13 16-0326	EA	56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,016.87	87.69
		For Spring Activated Horizontal Mount Operation, Add	*169.52*	
		For Dynamic Damper, Add	*406.84*	
		For 3 Hour Rated, Add	*226.02*	
23 33 13 16-0327	EA	56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,071.14	91.96
		For Spring Activated Horizontal Mount Operation, Add	*178.90*	
		For Dynamic Damper, Add	*429.37*	
		For 3 Hour Rated, Add	*238.54*	
23 33 13 16-0328	EA	56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,137.90	96.11
		For Spring Activated Horizontal Mount Operation, Add	*191.10*	
		For Dynamic Damper, Add	*458.64*	
		For 3 Hour Rated, Add	*254.80*	
23 33 13 16-0329	EA	56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,204.65	100.24
		For Spring Activated Horizontal Mount Operation, Add	*203.30*	
		For Dynamic Damper, Add	*487.92*	
		For 3 Hour Rated, Add	*271.07*	
23 33 13 16-0330	EA	60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	453.55	41.77
		For Spring Activated Horizontal Mount Operation, Add	*73.82*	
		For Dynamic Damper, Add	*177.17*	
		For 3 Hour Rated, Add	*98.43*	
23 33 13 16-0331	EA	60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.95	45.92
		For Spring Activated Horizontal Mount Operation, Add	*78.51*	
		For Dynamic Damper, Add	*188.43*	
		For 3 Hour Rated, Add	*104.69*	
23 33 13 16-0332	EA	60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.82	50.19
		For Spring Activated Horizontal Mount Operation, Add	*80.39*	
		For Dynamic Damper, Add	*192.93*	
		For 3 Hour Rated, Add	*107.18*	
23 33 13 16-0333	EA	60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	524.55	54.32
		For Spring Activated Horizontal Mount Operation, Add	*81.33*	
		For Dynamic Damper, Add	*195.18*	
		For 3 Hour Rated, Add	*108.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0334	EA	60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.12	58.47
		For Spring Activated Horizontal Mount Operation, Add	*86.96*	
		For Dynamic Damper, Add	*208.70*	
		For 3 Hour Rated, Add	*115.94*	
23 33 13 16-0335	EA	60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	599.66	62.73
		For Spring Activated Horizontal Mount Operation, Add	*92.58*	
		For Dynamic Damper, Add	*222.19*	
		For 3 Hour Rated, Add	*123.44*	
23 33 13 16-0336	EA	60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	639.32	66.87
		For Spring Activated Horizontal Mount Operation, Add	*98.68*	
		For Dynamic Damper, Add	*236.83*	
		For 3 Hour Rated, Add	*131.57*	
23 33 13 16-0337	EA	60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	678.96	71.01
		For Spring Activated Horizontal Mount Operation, Add	*104.78*	
		For Dynamic Damper, Add	*251.47*	
		For 3 Hour Rated, Add	*139.70*	
23 33 13 16-0338	EA	60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	739.45	73.14
		For Spring Activated Horizontal Mount Operation, Add	*116.98*	
		For Dynamic Damper, Add	*280.74*	
		For 3 Hour Rated, Add	*155.97*	
23 33 13 16-0339	EA	60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	795.77	75.15
		For Spring Activated Horizontal Mount Operation, Add	*128.24*	
		For Dynamic Damper, Add	*307.77*	
		For 3 Hour Rated, Add	*170.98*	
23 33 13 16-0340	EA	60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	862.55	79.41
		For Spring Activated Horizontal Mount Operation, Add	*140.44*	
		For Dynamic Damper, Add	*337.05*	
		For 3 Hour Rated, Add	*187.25*	
23 33 13 16-0341	EA	60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	929.30	83.56
		For Spring Activated Horizontal Mount Operation, Add	*152.64*	
		For Dynamic Damper, Add	*366.33*	
		For 3 Hour Rated, Add	*203.51*	
23 33 13 16-0342	EA	60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	983.53	87.69
		For Spring Activated Horizontal Mount Operation, Add	*162.02*	
		For Dynamic Damper, Add	*388.84*	
		For 3 Hour Rated, Add	*216.02*	
23 33 13 16-0343	EA	60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,062.79	91.96
		For Spring Activated Horizontal Mount Operation, Add	*177.03*	
		For Dynamic Damper, Add	*424.86*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 16-0344	EA	60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,133.71	96.11
		For Spring Activated Horizontal Mount Operation, Add	*190.16*	
		For Dynamic Damper, Add	*456.38*	
		For 3 Hour Rated, Add	*253.55*	
23 33 13 16-0345	EA	60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,204.65	100.24
		For Spring Activated Horizontal Mount Operation, Add	*203.30*	
		For Dynamic Damper, Add	*487.92*	
		For 3 Hour Rated, Add	*271.07*	
23 33 13 16-0346	EA	60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,267.20	104.51
		For Spring Activated Horizontal Mount Operation, Add	*214.55*	
		For Dynamic Damper, Add	*514.92*	
		For 3 Hour Rated, Add	*286.07*	
23 33 13 16-0347	EA	60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,329.83	108.65
		For Spring Activated Horizontal Mount Operation, Add	*225.82*	
		For Dynamic Damper, Add	*541.96*	
		For 3 Hour Rated, Add	*301.09*	

23 33 13 16-0348 Round 2 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0349	EA	4" Round 2 Hour Fire Damper	136.92	25.09
23 33 13 16-0350	EA	5" Round 2 Hour Fire Damper	143.13	25.09
23 33 13 16-0351	EA	6" Round 2 Hour Fire Damper	168.61	28.48
23 33 13 16-0352	EA	7" Round 2 Hour Fire Damper	175.35	28.48
23 33 13 16-0353	EA	8" Round 2 Hour Fire Damper	211.46	31.37
23 33 13 16-0354	EA	9" Round 2 Hour Fire Damper	230.04	31.37
23 33 13 16-0355	EA	10" Round 2 Hour Fire Damper	255.65	34.88
23 33 13 16-0356	EA	12" Round 2 Hour Fire Damper	287.14	39.27
23 33 13 16-0357	EA	14" Round 2 Hour Fire Damper	326.27	44.79

23 33 13 16-0358 Round 4 Hour Fire Damper *(23 33 13 16)*

23 33 13 16-0359	EA	4" Round 4 Hour Fire Damper	154.17	28.48
23 33 13 16-0360	EA	5" Round 4 Hour Fire Damper	171.09	28.48
23 33 13 16-0361	EA	6" Round 4 Hour Fire Damper	193.95	31.37
23 33 13 16-0362	EA	7" Round 4 Hour Fire Damper	215.78	31.37
23 33 13 16-0363	EA	8" Round 4 Hour Fire Damper	244.64	34.88
23 33 13 16-0364	EA	9" Round 4 Hour Fire Damper	257.95	34.88
23 33 13 16-0365	EA	10" Round 4 Hour Fire Damper	287.56	39.27
23 33 13 16-0366	EA	12" Round 4 Hour Fire Damper	317.81	44.79
23 33 13 16-0367	EA	14" Round 4 Hour Fire Damper	370.78	52.32

23 33 13 19 Smoke-Control Dampers *(23 33 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0001		Combination Smoke/Fire Damper *(23 33 13 19)* Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA	6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.12	20.89
		For Dynamic Damper, Add	*319.92*	
		For 3 Hour Rated, Add	*177.74*	
23 33 13 19-0003	EA	8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	672.40	21.83
		For Dynamic Damper, Add	*327.73*	
		For 3 Hour Rated, Add	*182.07*	
23 33 13 19-0004	EA	8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	687.43	22.02
		For Dynamic Damper, Add	*335.64*	
		For 3 Hour Rated, Add	*186.47*	
23 33 13 19-0005	EA	10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	648.77	22.02
		For Dynamic Damper, Add	*314.77*	
		For 3 Hour Rated, Add	*174.87*	
23 33 13 19-0006	EA	10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.30	22.58
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0007	EA	10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	699.22	25.03
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0008	EA	12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	664.30	22.58
		For Dynamic Damper, Add	*322.14*	
		For 3 Hour Rated, Add	*178.97*	
23 33 13 19-0009	EA	12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	695.45	23.90
		For Dynamic Damper, Add	*336.93*	
		For 3 Hour Rated, Add	*187.18*	
23 33 13 19-0010	EA	12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.87	25.03
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0011	EA	12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	736.01	28.23
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0012	EA	14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	688.62	23.90
		For Dynamic Damper, Add	*333.24*	
		For 3 Hour Rated, Add	*185.13*	
23 33 13 19-0013	EA	14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.87	25.03
		For Dynamic Damper, Add	*344.30*	
		For 3 Hour Rated, Add	*191.28*	
23 33 13 19-0014	EA	14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	730.37	26.35
		For Dynamic Damper, Add	*351.72*	
		For 3 Hour Rated, Add	*195.40*	
23 33 13 19-0015	EA	14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	749.75	28.23
		For Dynamic Damper, Add	*359.14*	
		For 3 Hour Rated, Add	*199.52*	
23 33 13 19-0016	EA	14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	793.37	31.43
		For Dynamic Damper, Add	*377.61*	
		For 3 Hour Rated, Add	*209.78*	
23 33 13 19-0017	EA	16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	778.94	25.03
		For Dynamic Damper, Add	*379.98*	
		For 3 Hour Rated, Add	*211.10*	
23 33 13 19-0018	EA	16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	793.07	26.91
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0019	EA	16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	809.10	29.55
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	
23 33 13 19-0020	EA	16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.12	31.43
		For Dynamic Damper, Add	*393.68*	
		For 3 Hour Rated, Add	*218.71*	
23 33 13 19-0021	EA	16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	853.74	34.44
		For Dynamic Damper, Add	*405.13*	
		For 3 Hour Rated, Add	*225.07*	
23 33 13 19-0022	EA	16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	884.30	37.64
		For Dynamic Damper, Add	*416.55*	
		For 3 Hour Rated, Add	*231.42*	
23 33 13 19-0023	EA	18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	791.19	26.35
		For Dynamic Damper, Add	*384.56*	
		For 3 Hour Rated, Add	*213.65*	
23 33 13 19-0024	EA	18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	809.49	28.23
		For Dynamic Damper, Add	*391.40*	
		For 3 Hour Rated, Add	*217.44*	
23 33 13 19-0025	EA	18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	831.67	31.43
		For Dynamic Damper, Add	*398.29*	
		For 3 Hour Rated, Add	*221.27*	
23 33 13 19-0026	EA	18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	862.24	34.44
		For Dynamic Damper, Add	*409.72*	
		For 3 Hour Rated, Add	*227.62*	
23 33 13 19-0027	EA	18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.52	37.64
		For Dynamic Damper, Add	*418.83*	
		For 3 Hour Rated, Add	*232.68*	
23 33 13 19-0028	EA	18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.09	40.65
		For Dynamic Damper, Add	*430.26*	
		For 3 Hour Rated, Add	*239.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0029	EA	18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	941.21	43.85
		For Dynamic Damper, Add	*437.12*	
		For 3 Hour Rated, Add	*242.84*	
23 33 13 19-0030	EA	20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	805.33	28.23
		For Dynamic Damper, Add	*389.15*	
		For 3 Hour Rated, Add	*216.20*	
23 33 13 19-0031	EA	20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	831.62	31.43
		For Dynamic Damper, Add	*398.27*	
		For 3 Hour Rated, Add	*221.26*	
23 33 13 19-0032	EA	20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	857.96	34.44
		For Dynamic Damper, Add	*407.41*	
		For 3 Hour Rated, Add	*226.34*	
23 33 13 19-0033	EA	20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	901.30	37.64
		For Dynamic Damper, Add	*425.73*	
		For 3 Hour Rated, Add	*236.52*	
23 33 13 19-0034	EA	20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	923.36	40.65
		For Dynamic Damper, Add	*432.56*	
		For 3 Hour Rated, Add	*240.31*	
23 33 13 19-0035	EA	20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	945.43	43.85
		For Dynamic Damper, Add	*439.40*	
		For 3 Hour Rated, Add	*244.11*	
23 33 13 19-0036	EA	20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	971.78	47.05
		For Dynamic Damper, Add	*448.55*	
		For 3 Hour Rated, Add	*249.19*	
23 33 13 19-0037	EA	20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	998.07	50.06
		For Dynamic Damper, Add	*457.66*	
		For 3 Hour Rated, Add	*254.26*	
23 33 13 19-0038	EA	24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	823.81	31.43
		For Dynamic Damper, Add	*394.05*	
		For 3 Hour Rated, Add	*218.92*	
23 33 13 19-0039	EA	24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	850.35	34.44
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0040	EA	24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	871.20	37.64
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0041	EA	24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	897.66	40.65
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0042	EA	24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	915.64	43.85
		For Dynamic Damper, Add	*423.31*	
		For 3 Hour Rated, Add	*235.17*	
23 33 13 19-0043	EA	24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	933.57	47.05
		For Dynamic Damper, Add	*427.91*	
		For 3 Hour Rated, Add	*237.73*	
23 33 13 19-0044	EA	24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	960.07	50.06
		For Dynamic Damper, Add	*437.14*	
		For 3 Hour Rated, Add	*242.86*	
23 33 13 19-0045	EA	24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	995.98	56.46
		For Dynamic Damper, Add	*446.37*	
		For 3 Hour Rated, Add	*247.98*	
23 33 13 19-0046	EA	24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,037.61	62.67
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0047	EA	28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	850.35	34.44
		For Dynamic Damper, Add	*403.30*	
		For 3 Hour Rated, Add	*224.06*	
23 33 13 19-0048	EA	28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	871.20	37.64
		For Dynamic Damper, Add	*409.48*	
		For 3 Hour Rated, Add	*227.49*	
23 33 13 19-0049	EA	28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	897.66	40.65
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0050	EA	28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	918.48	43.85
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 19-0051	EA	28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	942.13	47.05
		For Dynamic Damper, Add	*432.53*	
		For 3 Hour Rated, Add	*240.30*	
23 33 13 19-0052	EA	28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	965.75	50.06
		For Dynamic Damper, Add	*440.21*	
		For 3 Hour Rated, Add	*244.56*	
23 33 13 19-0053	EA	28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,001.66	56.46
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0054	EA	28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,037.61	62.67
		For Dynamic Damper, Add	*458.69*	
		For 3 Hour Rated, Add	*254.83*	
23 33 13 19-0055	EA	28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,081.19	65.87
		For Dynamic Damper, Add	*477.14*	
		For 3 Hour Rated, Add	*265.08*	
23 33 13 19-0056	EA	28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,128.51	72.08
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0057	EA	32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	888.25	37.64
		For Dynamic Damper, Add	*418.68*	
		For 3 Hour Rated, Add	*232.60*	
23 33 13 19-0058	EA	32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	903.35	40.65
		For Dynamic Damper, Add	*421.76*	
		For 3 Hour Rated, Add	*234.31*	
23 33 13 19-0059	EA	32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	918.48	43.85
		For Dynamic Damper, Add	*424.85*	
		For 3 Hour Rated, Add	*236.03*	
23 33 13 19-0060	EA	32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	939.26	47.05
		For Dynamic Damper, Add	*430.98*	
		For 3 Hour Rated, Add	*239.44*	
23 33 13 19-0061	EA	32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	966.81	50.06
		For Dynamic Damper, Add	*440.78*	
		For 3 Hour Rated, Add	*244.88*	
23 33 13 19-0062	EA	32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,001.66	56.46
		For Dynamic Damper, Add	*449.44*	
		For 3 Hour Rated, Add	*249.69*	
23 33 13 19-0063	EA	32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,043.33	62.67
		For Dynamic Damper, Add	*461.78*	
		For 3 Hour Rated, Add	*256.54*	
23 33 13 19-0064	EA	32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,084.96	68.87
		For Dynamic Damper, Add	*474.09*	
		For 3 Hour Rated, Add	*263.39*	
23 33 13 19-0065	EA	32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,128.51	72.08
		For Dynamic Damper, Add	*492.53*	
		For 3 Hour Rated, Add	*273.63*	
23 33 13 19-0066	EA	32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,183.49	77.16
		For Dynamic Damper, Add	*514.09*	
		For 3 Hour Rated, Add	*285.61*	
23 33 13 19-0067	EA	32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,242.21	81.48
		For Dynamic Damper, Add	*538.69*	
		For 3 Hour Rated, Add	*299.27*	
23 33 13 19-0068	EA	36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	932.60	40.65
		For Dynamic Damper, Add	*437.55*	
		For 3 Hour Rated, Add	*243.08*	
23 33 13 19-0069	EA	36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	954.36	43.85
		For Dynamic Damper, Add	*444.22*	
		For 3 Hour Rated, Add	*246.79*	
23 33 13 19-0070	EA	36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	976.16	47.05
		For Dynamic Damper, Add	*450.91*	
		For 3 Hour Rated, Add	*250.51*	
23 33 13 19-0071	EA	36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,004.17	50.06
		For Dynamic Damper, Add	*460.95*	
		For 3 Hour Rated, Add	*256.09*	
23 33 13 19-0072	EA	36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,032.31	56.46
		For Dynamic Damper, Add	*465.99*	
		For 3 Hour Rated, Add	*258.88*	
23 33 13 19-0073	EA	36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,051.01	59.47
		For Dynamic Damper, Add	*471.00*	
		For 3 Hour Rated, Add	*261.67*	
23 33 13 19-0074	EA	36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,110.23	68.87
		For Dynamic Damper, Add	*487.74*	
		For 3 Hour Rated, Add	*270.97*	
23 33 13 19-0075	EA	36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,159.97	75.28
		For Dynamic Damper, Add	*504.44*	
		For 3 Hour Rated, Add	*280.24*	
23 33 13 19-0076	EA	36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,204.66	77.72
		For Dynamic Damper, Add	*524.51*	
		For 3 Hour Rated, Add	*291.39*	
23 33 13 19-0077	EA	36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,271.16	83.37
		For Dynamic Damper, Add	*551.27*	
		For 3 Hour Rated, Add	*306.26*	
23 33 13 19-0078	EA	36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,327.64	87.69
		For Dynamic Damper, Add	*574.66*	
		For 3 Hour Rated, Add	*319.25*	
23 33 13 19-0079	EA	36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,386.61	90.89
		For Dynamic Damper, Add	*601.42*	
		For 3 Hour Rated, Add	*334.12*	
23 33 13 19-0080	EA	40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,507.39	47.05
		For Dynamic Damper, Add	*742.86*	
		For 3 Hour Rated, Add	*412.70*	
23 33 13 19-0081	EA	40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,550.01	50.06
		For Dynamic Damper, Add	*760.79*	
		For 3 Hour Rated, Add	*422.66*	
23 33 13 19-0082	EA	40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,567.76	53.26
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0083	EA	40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,585.51	56.46
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	
23 33 13 19-0084	EA	40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,633.43	59.47
		For Dynamic Damper, Add	*785.51*	
		For 3 Hour Rated, Add	*436.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0085	EA	40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,671.98	62.67
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0086	EA	40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,733.47	72.08
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0087	EA	40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,785.50	78.28
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0088	EA	40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,850.50	83.37
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0089	EA	40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,955.06	87.69
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0090	EA	40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,019.97	92.78
		For Dynamic Damper, Add	*940.38*	
		For 3 Hour Rated, Add	*522.44*	
23 33 13 19-0091	EA	40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,118.99	95.22
		For Dynamic Damper, Add	*989.79*	
		For 3 Hour Rated, Add	*549.88*	
23 33 13 19-0092	EA	40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,217.20	100.30
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0093	EA	44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,533.43	47.05
		For Dynamic Damper, Add	*751.84*	
		For 3 Hour Rated, Add	*417.69*	
23 33 13 19-0094	EA	44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,576.10	50.06
		For Dynamic Damper, Add	*769.80*	
		For 3 Hour Rated, Add	*427.67*	
23 33 13 19-0095	EA	44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,610.49	53.26
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0096	EA	44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,628.24	56.46
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0097	EA	44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,670.91	59.47
		For Dynamic Damper, Add	*805.75*	
		For 3 Hour Rated, Add	*447.64*	
23 33 13 19-0098	EA	44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,713.53	62.67
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0099	EA	44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,792.78	75.28
		For Dynamic Damper, Add	*846.15*	
		For 3 Hour Rated, Add	*470.09*	
23 33 13 19-0100	EA	44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,853.09	81.48
		For Dynamic Damper, Add	*868.56*	
		For 3 Hour Rated, Add	*482.54*	
23 33 13 19-0101	EA	44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,955.06	87.69
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0102	EA	44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,048.70	94.09
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0103	EA	44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,150.62	100.30
		For Dynamic Damper, Add	*998.74*	
		For 3 Hour Rated, Add	*554.86*	
23 33 13 19-0104	EA	44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,234.85	103.31
		For Dynamic Damper, Add	*1,039.14*	
		For 3 Hour Rated, Add	*577.30*	
23 33 13 19-0105	EA	44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,319.12	106.51
		For Dynamic Damper, Add	*1,079.57*	
		For 3 Hour Rated, Add	*599.76*	
23 33 13 19-0106	EA	44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,403.40	109.71
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	
23 33 13 19-0107	EA	48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,567.76	50.06
		For Dynamic Damper, Add	*765.29*	
		For 3 Hour Rated, Add	*425.16*	
23 33 13 19-0108	EA	48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,610.49	53.26
		For Dynamic Damper, Add	*783.29*	
		For 3 Hour Rated, Add	*435.16*	
23 33 13 19-0109	EA	48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,628.24	56.46
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0110	EA	48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,671.98	62.67
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0111	EA	48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,724.06	68.87
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0112	EA	48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,776.09	75.28
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0113	EA	48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,844.85	81.48
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0114	EA	48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,913.51	87.69
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0115	EA	48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,007.15	94.09
		For Dynamic Damper, Add	*931.43*	
		For 3 Hour Rated, Add	*517.46*	
23 33 13 19-0116	EA	48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,117.36	100.30
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0117	EA	48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,201.69	103.31
		For Dynamic Damper, Add	*1,021.24*	
		For 3 Hour Rated, Add	*567.35*	
23 33 13 19-0118	EA	48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,310.78	106.51
		For Dynamic Damper, Add	*1,075.06*	
		For 3 Hour Rated, Add	*597.26*	
23 33 13 19-0119	EA	48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,404.47	112.72
		For Dynamic Damper, Add	*1,115.49*	
		For 3 Hour Rated, Add	*619.72*	
23 33 13 19-0120	EA	48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,513.67	115.92
		For Dynamic Damper, Add	*1,169.38*	
		For 3 Hour Rated, Add	*649.66*	
23 33 13 19-0121	EA	48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,608.37	125.33
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0122	EA	52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,602.15	53.26
		For Dynamic Damper, Add	*778.78*	
		For 3 Hour Rated, Add	*432.66*	
23 33 13 19-0123	EA	52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,644.82	56.46
		For Dynamic Damper, Add	*796.74*	
		For 3 Hour Rated, Add	*442.64*	
23 33 13 19-0124	EA	52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,696.90	62.67
		For Dynamic Damper, Add	*814.70*	
		For 3 Hour Rated, Add	*452.61*	
23 33 13 19-0125	EA	52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,724.06	68.87
		For Dynamic Damper, Add	*819.21*	
		For 3 Hour Rated, Add	*455.12*	
23 33 13 19-0126	EA	52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,780.31	75.28
		For Dynamic Damper, Add	*839.42*	
		For 3 Hour Rated, Add	*466.34*	
23 33 13 19-0127	EA	52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,836.51	81.48
		For Dynamic Damper, Add	*859.61*	
		For 3 Hour Rated, Add	*477.56*	
23 33 13 19-0128	EA	52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,905.22	87.69
		For Dynamic Damper, Add	*886.55*	
		For 3 Hour Rated, Add	*492.53*	
23 33 13 19-0129	EA	52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,973.88	94.09
		For Dynamic Damper, Add	*913.46*	
		For 3 Hour Rated, Add	*507.48*	
23 33 13 19-0130	EA	52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,067.52	100.30
		For Dynamic Damper, Add	*953.87*	
		For 3 Hour Rated, Add	*529.93*	
23 33 13 19-0131	EA	52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,186.13	106.51
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0132	EA	52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,278.59	109.71
		For Dynamic Damper, Add	*1,052.60*	
		For 3 Hour Rated, Add	*584.78*	
23 33 13 19-0133	EA	52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,396.18	112.72
		For Dynamic Damper, Add	*1,111.02*	
		For 3 Hour Rated, Add	*617.23*	
23 33 13 19-0134	EA	52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,514.69	119.12
		For Dynamic Damper, Add	*1,164.85*	
		For 3 Hour Rated, Add	*647.14*	
23 33 13 19-0135	EA	52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,608.37	125.33
		For Dynamic Damper, Add	*1,205.27*	
		For 3 Hour Rated, Add	*669.60*	
23 33 13 19-0136	EA	52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,736.33	134.74
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0137	EA	52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,838.30	140.95
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0138	EA	56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,628.24	56.46
		For Dynamic Damper, Add	*787.79*	
		For 3 Hour Rated, Add	*437.66*	
23 33 13 19-0139	EA	56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,688.56	62.67
		For Dynamic Damper, Add	*810.20*	
		For 3 Hour Rated, Add	*450.11*	
23 33 13 19-0140	EA	56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,732.35	68.87
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0141	EA	56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,759.46	75.28
		For Dynamic Damper, Add	*828.16*	
		For 3 Hour Rated, Add	*460.09*	
23 33 13 19-0142	EA	56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,824.05	81.48
		For Dynamic Damper, Add	*852.88*	
		For 3 Hour Rated, Add	*473.82*	
23 33 13 19-0143	EA	56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,888.59	87.69
		For Dynamic Damper, Add	*877.57*	
		For 3 Hour Rated, Add	*487.54*	
23 33 13 19-0144	EA	56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,953.08	94.09
		For Dynamic Damper, Add	*902.23*	
		For 3 Hour Rated, Add	*501.24*	
23 33 13 19-0145	EA	56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,017.62	100.30
		For Dynamic Damper, Add	*926.92*	
		For 3 Hour Rated, Add	*514.96*	
23 33 13 19-0146	EA	56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,136.18	106.51
		For Dynamic Damper, Add	*980.78*	
		For 3 Hour Rated, Add	*544.88*	
23 33 13 19-0147	EA	56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,245.43	109.71
		For Dynamic Damper, Add	*1,034.69*	
		For 3 Hour Rated, Add	*574.83*	
23 33 13 19-0148	EA	56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,346.24	112.72
		For Dynamic Damper, Add	*1,084.05*	
		For 3 Hour Rated, Add	*602.25*	
23 33 13 19-0149	EA	56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,481.47	119.12
		For Dynamic Damper, Add	*1,146.91*	
		For 3 Hour Rated, Add	*637.17*	
23 33 13 19-0150	EA	56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,600.03	125.33
		For Dynamic Damper, Add	*1,200.77*	
		For 3 Hour Rated, Add	*667.10*	
23 33 13 19-0151	EA	56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,726.93	131.54
		For Dynamic Damper, Add	*1,259.13*	
		For 3 Hour Rated, Add	*699.52*	
23 33 13 19-0152	EA	56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,828.89	137.94
		For Dynamic Damper, Add	*1,304.04*	
		For 3 Hour Rated, Add	*724.46*	
23 33 13 19-0153	EA	56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,955.79	144.15
		For Dynamic Damper, Add	*1,362.40*	
		For 3 Hour Rated, Add	*756.89*	
23 33 13 19-0154	EA	56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,082.69	150.36
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	
23 33 13 19-0155	EA	60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,671.98	62.67
		For Dynamic Damper, Add	*801.25*	
		For 3 Hour Rated, Add	*445.14*	
23 33 13 19-0156	EA	60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,732.35	68.87
		For Dynamic Damper, Add	*823.68*	
		For 3 Hour Rated, Add	*457.60*	
23 33 13 19-0157	EA	60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,767.80	75.28
		For Dynamic Damper, Add	*832.66*	
		For 3 Hour Rated, Add	*462.59*	
23 33 13 19-0158	EA	60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,794.90	81.48
		For Dynamic Damper, Add	*837.14*	
		For 3 Hour Rated, Add	*465.08*	
23 33 13 19-0159	EA	60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,863.67	87.69
		For Dynamic Damper, Add	*864.11*	
		For 3 Hour Rated, Add	*480.06*	
23 33 13 19-0160	EA	60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,932.33	94.09
		For Dynamic Damper, Add	*891.03*	
		For 3 Hour Rated, Add	*495.02*	
23 33 13 19-0161	EA	60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,005.16	100.30
		For Dynamic Damper, Add	*920.19*	
		For 3 Hour Rated, Add	*511.22*	
23 33 13 19-0162	EA	60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,078.05	106.51
		For Dynamic Damper, Add	*949.39*	
		For 3 Hour Rated, Add	*527.44*	
23 33 13 19-0163	EA	60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,195.54	109.71
		For Dynamic Damper, Add	*1,007.75*	
		For 3 Hour Rated, Add	*559.86*	
23 33 13 19-0164	EA	60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,304.68	112.72
		For Dynamic Damper, Add	*1,061.61*	
		For 3 Hour Rated, Add	*589.78*	
23 33 13 19-0165	EA	60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,431.63	119.12
		For Dynamic Damper, Add	*1,120.00*	
		For 3 Hour Rated, Add	*622.22*	
23 33 13 19-0166	EA	60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,558.53	125.33
		For Dynamic Damper, Add	*1,178.36*	
		For 3 Hour Rated, Add	*654.65*	
23 33 13 19-0167	EA	60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,660.45	131.54
		For Dynamic Damper, Add	*1,223.24*	
		For 3 Hour Rated, Add	*679.58*	
23 33 13 19-0168	EA	60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,812.26	137.94
		For Dynamic Damper, Add	*1,295.06*	
		For 3 Hour Rated, Add	*719.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0169	EA	60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	2,947.50	144.15
		For Dynamic Damper, Add	*1,357.92*	
		For 3 Hour Rated, Add	*754.40*	
23 33 13 19-0170	EA	60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,082.69	150.36
		For Dynamic Damper, Add	*1,420.76*	
		For 3 Hour Rated, Add	*789.31*	
23 33 13 19-0171	EA	60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,201.19	156.76
		For Dynamic Damper, Add	*1,474.59*	
		For 3 Hour Rated, Add	*819.22*	
23 33 13 19-0172	EA	60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	3,319.90	162.97
		For Dynamic Damper, Add	*1,528.53*	
		For 3 Hour Rated, Add	*849.18*	

23 33 13 19-0173 Smoke Damper *(23 33 13 19)*

Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.

23 33 13 19-0174	EA	6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	149.85	13.93
		For Dynamic Damper, Add	*58.36*	
		For 3 Hour Rated, Add	*32.42*	
23 33 13 19-0175	EA	8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	154.45	14.55
		For Dynamic Damper, Add	*59.83*	
		For 3 Hour Rated, Add	*33.24*	
23 33 13 19-0176	EA	8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.45	14.68
		For Dynamic Damper, Add	*61.31*	
		For 3 Hour Rated, Add	*34.06*	
23 33 13 19-0177	EA	10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	157.45	14.68
		For Dynamic Damper, Add	*61.31*	
		For 3 Hour Rated, Add	*34.06*	
23 33 13 19-0178	EA	10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.44	15.06
		For Dynamic Damper, Add	*62.79*	
		For 3 Hour Rated, Add	*34.88*	
23 33 13 19-0179	EA	10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	171.92	16.69
		For Dynamic Damper, Add	*65.73*	
		For 3 Hour Rated, Add	*36.52*	
23 33 13 19-0180	EA	12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	161.44	15.06
		For Dynamic Damper, Add	*62.79*	
		For 3 Hour Rated, Add	*34.88*	
23 33 13 19-0181	EA	12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	169.40	15.93
		For Dynamic Damper, Add	*65.73*	
		For 3 Hour Rated, Add	*36.52*	
23 33 13 19-0182	EA	12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.67	16.69
		For Dynamic Damper, Add	*67.22*	
		For 3 Hour Rated, Add	*37.34*	
23 33 13 19-0183	EA	12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	183.67	18.82
		For Dynamic Damper, Add	*68.69*	
		For 3 Hour Rated, Add	*38.16*	
23 33 13 19-0184	EA	14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	168.05	15.93
		For Dynamic Damper, Add	*65.01*	
		For 3 Hour Rated, Add	*36.11*	
23 33 13 19-0185	EA	14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	174.67	16.69
		For Dynamic Damper, Add	*67.22*	
		For 3 Hour Rated, Add	*37.34*	
23 33 13 19-0186	EA	14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	179.90	17.56
		For Dynamic Damper, Add	*68.69*	
		For 3 Hour Rated, Add	*38.16*	
23 33 13 19-0187	EA	14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	186.42	18.82
		For Dynamic Damper, Add	*70.18*	
		For 3 Hour Rated, Add	*38.99*	
23 33 13 19-0188	EA	14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	199.53	20.95
		For Dynamic Damper, Add	*73.87*	
		For 3 Hour Rated, Add	*41.04*	
23 33 13 19-0189	EA	16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	274.32	16.69
		For Dynamic Damper, Add	*121.03*	
		For 3 Hour Rated, Add	*67.24*	
23 33 13 19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	280.81	17.94
		For Dynamic Damper, Add	*122.50*	
		For 3 Hour Rated, Add	*68.06*	
23 33 13 19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	288.57	19.69
		For Dynamic Damper, Add	*123.99*	
		For 3 Hour Rated, Add	*68.88*	
23 33 13 19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	295.05	20.95
		For Dynamic Damper, Add	*125.45*	
		For 3 Hour Rated, Add	*69.70*	
23 33 13 19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	308.21	22.95
		For Dynamic Damper, Add	*129.17*	
		For 3 Hour Rated, Add	*71.76*	
23 33 13 19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	321.32	25.09
		For Dynamic Damper, Add	*132.86*	
		For 3 Hour Rated, Add	*73.81*	
23 33 13 19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	279.55	17.56
		For Dynamic Damper, Add	*122.50*	
		For 3 Hour Rated, Add	*68.06*	
23 33 13 19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	287.43	18.82
		For Dynamic Damper, Add	*124.72*	
		For 3 Hour Rated, Add	*69.29*	

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23 33 13 19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.82	20.95
		For Dynamic Damper, Add	*126.95*	
		For 3 Hour Rated, Add	*70.53*	
23 33 13 19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	310.94	22.95
		For Dynamic Damper, Add	*130.64*	
		For 3 Hour Rated, Add	*72.58*	
23 33 13 19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	322.67	25.09
		For Dynamic Damper, Add	*133.59*	
		For 3 Hour Rated, Add	*74.22*	
23 33 13 19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	335.79	27.10
		For Dynamic Damper, Add	*137.30*	
		For 3 Hour Rated, Add	*76.28*	
23 33 13 19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	346.17	29.23
		For Dynamic Damper, Add	*139.51*	
		For 3 Hour Rated, Add	*77.51*	
23 33 13 19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	286.07	18.82
		For Dynamic Damper, Add	*123.99*	
		For 3 Hour Rated, Add	*68.88*	
23 33 13 19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	297.80	20.95
		For Dynamic Damper, Add	*126.94*	
		For 3 Hour Rated, Add	*70.52*	
23 33 13 19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	309.57	22.95
		For Dynamic Damper, Add	*129.90*	
		For 3 Hour Rated, Add	*72.17*	
23 33 13 19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	326.80	25.09
		For Dynamic Damper, Add	*135.82*	
		For 3 Hour Rated, Add	*75.46*	
23 33 13 19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	337.16	27.10
		For Dynamic Damper, Add	*138.03*	
		For 3 Hour Rated, Add	*76.69*	
23 33 13 19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	347.55	29.23
		For Dynamic Damper, Add	*140.25*	
		For 3 Hour Rated, Add	*77.92*	
23 33 13 19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	359.28	31.37
		For Dynamic Damper, Add	*143.20*	
		For 3 Hour Rated, Add	*79.56*	
23 33 13 19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	371.01	33.37
		For Dynamic Damper, Add	*146.15*	
		For 3 Hour Rated, Add	*81.20*	
23 33 13 19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	380.25	20.95
		For Dynamic Damper, Add	*171.46*	
		For 3 Hour Rated, Add	*95.26*	
23 33 13 19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.77	22.95
		For Dynamic Damper, Add	*175.91*	
		For 3 Hour Rated, Add	*97.73*	
23 33 13 19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.52	25.09
		For Dynamic Damper, Add	*178.87*	
		For 3 Hour Rated, Add	*99.37*	
23 33 13 19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.99	27.10
		For Dynamic Damper, Add	*183.30*	
		For 3 Hour Rated, Add	*101.84*	
23 33 13 19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.37	29.23
		For Dynamic Damper, Add	*185.52*	
		For 3 Hour Rated, Add	*103.07*	
23 33 13 19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	441.73	31.37
		For Dynamic Damper, Add	*187.73*	
		For 3 Hour Rated, Add	*104.29*	
23 33 13 19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	456.21	33.37
		For Dynamic Damper, Add	*192.16*	
		For 3 Hour Rated, Add	*106.76*	
23 33 13 19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	476.97	37.64
		For Dynamic Damper, Add	*196.59*	
		For 3 Hour Rated, Add	*109.22*	
23 33 13 19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.48	41.77
		For Dynamic Damper, Add	*202.51*	
		For 3 Hour Rated, Add	*112.51*	
23 33 13 19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	394.77	22.95
		For Dynamic Damper, Add	*175.91*	
		For 3 Hour Rated, Add	*97.73*	
23 33 13 19-0220	EA	28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	406.52	25.09
		For Dynamic Damper, Add	*178.87*	
		For 3 Hour Rated, Add	*99.37*	
23 33 13 19-0221	EA	28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	420.99	27.10
		For Dynamic Damper, Add	*183.30*	
		For 3 Hour Rated, Add	*101.84*	
23 33 13 19-0222	EA	28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.73	29.23
		For Dynamic Damper, Add	*186.25*	
		For 3 Hour Rated, Add	*103.47*	
23 33 13 19-0223	EA	28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.83	31.37
		For Dynamic Damper, Add	*189.94*	
		For 3 Hour Rated, Add	*105.52*	
23 33 13 19-0224	EA	28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	458.94	33.37
		For Dynamic Damper, Add	*193.63*	
		For 3 Hour Rated, Add	*107.57*	

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23 33 13 19-0225	EA	28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.70	37.64
		For Dynamic Damper, Add	*198.07*	
		For 3 Hour Rated, Add	*110.04*	
23 33 13 19-0226	EA	28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.48	41.77
		For Dynamic Damper, Add	*202.51*	
		For 3 Hour Rated, Add	*112.51*	
23 33 13 19-0227	EA	28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	523.16	43.91
		For Dynamic Damper, Add	*211.37*	
		For 3 Hour Rated, Add	*117.43*	
23 33 13 19-0228	EA	28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	549.40	48.05
		For Dynamic Damper, Add	*218.76*	
		For 3 Hour Rated, Add	*121.54*	
23 33 13 19-0229	EA	32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.73	25.09
		For Dynamic Damper, Add	*183.30*	
		For 3 Hour Rated, Add	*101.84*	
23 33 13 19-0230	EA	32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.70	27.10
		For Dynamic Damper, Add	*184.77*	
		For 3 Hour Rated, Add	*102.65*	
23 33 13 19-0231	EA	32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	432.73	29.23
		For Dynamic Damper, Add	*186.25*	
		For 3 Hour Rated, Add	*103.47*	
23 33 13 19-0232	EA	32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.46	31.37
		For Dynamic Damper, Add	*189.20*	
		For 3 Hour Rated, Add	*105.11*	
23 33 13 19-0233	EA	32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	459.46	33.37
		For Dynamic Damper, Add	*193.91*	
		For 3 Hour Rated, Add	*107.73*	
23 33 13 19-0234	EA	32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	479.70	37.64
		For Dynamic Damper, Add	*198.07*	
		For 3 Hour Rated, Add	*110.04*	
23 33 13 19-0235	EA	32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	503.21	41.77
		For Dynamic Damper, Add	*203.99*	
		For 3 Hour Rated, Add	*113.33*	
23 33 13 19-0236	EA	32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	526.71	45.92
		For Dynamic Damper, Add	*209.90*	
		For 3 Hour Rated, Add	*116.61*	
23 33 13 19-0237	EA	32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	549.40	48.05
		For Dynamic Damper, Add	*218.76*	
		For 3 Hour Rated, Add	*121.54*	
23 33 13 19-0238	EA	32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	578.60	51.43
		For Dynamic Damper, Add	*229.12*	
		For 3 Hour Rated, Add	*127.29*	
23 33 13 19-0239	EA	32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	609.27	54.32
		For Dynamic Damper, Add	*240.93*	
		For 3 Hour Rated, Add	*133.85*	
23 33 13 19-0240	EA	36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	433.88	27.10
		For Dynamic Damper, Add	*190.26*	
		For 3 Hour Rated, Add	*105.70*	
23 33 13 19-0241	EA	36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	445.88	29.23
		For Dynamic Damper, Add	*193.35*	
		For 3 Hour Rated, Add	*107.42*	
23 33 13 19-0242	EA	36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	457.87	31.37
		For Dynamic Damper, Add	*196.44*	
		For 3 Hour Rated, Add	*109.13*	
23 33 13 19-0243	EA	36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	472.75	33.37
		For Dynamic Damper, Add	*201.09*	
		For 3 Hour Rated, Add	*111.72*	
23 33 13 19-0244	EA	36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.63	37.64
		For Dynamic Damper, Add	*203.43*	
		For 3 Hour Rated, Add	*113.02*	
23 33 13 19-0245	EA	36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.20	39.65
		For Dynamic Damper, Add	*205.75*	
		For 3 Hour Rated, Add	*114.31*	
23 33 13 19-0246	EA	36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	533.35	45.92
		For Dynamic Damper, Add	*213.49*	
		For 3 Hour Rated, Add	*118.61*	
23 33 13 19-0247	EA	36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.21	50.19
		For Dynamic Damper, Add	*221.22*	
		For 3 Hour Rated, Add	*122.90*	
23 33 13 19-0248	EA	36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	582.45	51.82
		For Dynamic Damper, Add	*230.52*	
		For 3 Hour Rated, Add	*128.06*	
23 33 13 19-0249	EA	36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	616.66	55.58
		For Dynamic Damper, Add	*242.89*	
		For 3 Hour Rated, Add	*134.94*	
23 33 13 19-0250	EA	36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	645.51	58.47
		For Dynamic Damper, Add	*253.73*	
		For 3 Hour Rated, Add	*140.96*	
23 33 13 19-0251	EA	36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	674.73	60.59
		For Dynamic Damper, Add	*266.12*	
		For 3 Hour Rated, Add	*147.84*	
23 33 13 19-0252	EA	40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.80	31.37
		For Dynamic Damper, Add	*224.09*	
		For 3 Hour Rated, Add	*124.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0253	EA	40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	520.53	33.37
		For Dynamic Damper, Add	*230.28*	
		For 3 Hour Rated, Add	*127.93*	
23 33 13 19-0254	EA	40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.67	35.50
		For Dynamic Damper, Add	*231.83*	
		For 3 Hour Rated, Add	*128.79*	
23 33 13 19-0255	EA	40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	538.82	37.64
		For Dynamic Damper, Add	*233.38*	
		For 3 Hour Rated, Add	*129.65*	
23 33 13 19-0256	EA	40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	561.41	39.65
		For Dynamic Damper, Add	*238.80*	
		For 3 Hour Rated, Add	*132.67*	
23 33 13 19-0257	EA	40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.73	41.77
		For Dynamic Damper, Add	*244.23*	
		For 3 Hour Rated, Add	*135.68*	
23 33 13 19-0258	EA	40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	608.01	48.05
		For Dynamic Damper, Add	*250.41*	
		For 3 Hour Rated, Add	*139.12*	
23 33 13 19-0259	EA	40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	632.03	52.19
		For Dynamic Damper, Add	*256.61*	
		For 3 Hour Rated, Add	*142.56*	
23 33 13 19-0260	EA	40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	659.27	55.58
		For Dynamic Damper, Add	*265.90*	
		For 3 Hour Rated, Add	*147.72*	
23 33 13 19-0261	EA	40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	699.58	58.47
		For Dynamic Damper, Add	*282.93*	
		For 3 Hour Rated, Add	*157.18*	
23 33 13 19-0262	EA	40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	726.80	61.85
		For Dynamic Damper, Add	*292.20*	
		For 3 Hour Rated, Add	*162.34*	
23 33 13 19-0263	EA	40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	763.36	63.48
		For Dynamic Damper, Add	*309.24*	
		For 3 Hour Rated, Add	*171.80*	
23 33 13 19-0264	EA	40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	802.09	66.87
		For Dynamic Damper, Add	*324.73*	
		For 3 Hour Rated, Add	*180.41*	
23 33 13 19-0265	EA	44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	514.81	31.37
		For Dynamic Damper, Add	*227.19*	
		For 3 Hour Rated, Add	*126.22*	
23 33 13 19-0266	EA	44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	532.54	33.37
		For Dynamic Damper, Add	*233.38*	
		For 3 Hour Rated, Add	*129.65*	
23 33 13 19-0267	EA	44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.45	35.50
		For Dynamic Damper, Add	*238.04*	
		For 3 Hour Rated, Add	*132.24*	
23 33 13 19-0268	EA	44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.59	37.64
		For Dynamic Damper, Add	*239.59*	
		For 3 Hour Rated, Add	*133.10*	
23 33 13 19-0269	EA	44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	574.32	39.65
		For Dynamic Damper, Add	*245.78*	
		For 3 Hour Rated, Add	*136.54*	
23 33 13 19-0270	EA	44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	592.06	41.77
		For Dynamic Damper, Add	*251.96*	
		For 3 Hour Rated, Add	*139.98*	
23 33 13 19-0271	EA	44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	631.50	50.19
		For Dynamic Damper, Add	*259.71*	
		For 3 Hour Rated, Add	*144.29*	
23 33 13 19-0272	EA	44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	658.36	54.32
		For Dynamic Damper, Add	*267.44*	
		For 3 Hour Rated, Add	*148.58*	
23 33 13 19-0273	EA	44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	699.58	58.47
		For Dynamic Damper, Add	*282.93*	
		For 3 Hour Rated, Add	*157.18*	
23 33 13 19-0274	EA	44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	737.94	62.73
		For Dynamic Damper, Add	*296.87*	
		For 3 Hour Rated, Add	*164.93*	
23 33 13 19-0275	EA	44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	779.13	66.87
		For Dynamic Damper, Add	*312.33*	
		For 3 Hour Rated, Add	*173.52*	
23 33 13 19-0276	EA	44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	811.21	68.87
		For Dynamic Damper, Add	*326.27*	
		For 3 Hour Rated, Add	*181.26*	
23 33 13 19-0277	EA	44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	843.29	71.01
		For Dynamic Damper, Add	*340.21*	
		For 3 Hour Rated, Add	*189.00*	
23 33 13 19-0278	EA	44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	875.38	73.14
		For Dynamic Damper, Add	*354.14*	
		For 3 Hour Rated, Add	*196.75*	
23 33 13 19-0279	EA	48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	529.67	33.37
		For Dynamic Damper, Add	*231.83*	
		For 3 Hour Rated, Add	*128.79*	
23 33 13 19-0280	EA	48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	547.45	35.50
		For Dynamic Damper, Add	*238.04*	
		For 3 Hour Rated, Add	*132.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0281	EA	48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.59	37.64
		For Dynamic Damper, Add	*239.59*	
		For 3 Hour Rated, Add	*133.10*	
23 33 13 19-0282	EA	48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.73	41.77
		For Dynamic Damper, Add	*244.23*	
		For 3 Hour Rated, Add	*135.68*	
23 33 13 19-0283	EA	48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.73	45.92
		For Dynamic Damper, Add	*250.41*	
		For 3 Hour Rated, Add	*139.12*	
23 33 13 19-0284	EA	48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	625.76	50.19
		For Dynamic Damper, Add	*256.61*	
		For 3 Hour Rated, Add	*142.56*	
23 33 13 19-0285	EA	48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.51	54.32
		For Dynamic Damper, Add	*265.90*	
		For 3 Hour Rated, Add	*147.72*	
23 33 13 19-0286	EA	48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	685.23	58.47
		For Dynamic Damper, Add	*275.18*	
		For 3 Hour Rated, Add	*152.88*	
23 33 13 19-0287	EA	48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	723.59	62.73
		For Dynamic Damper, Add	*289.12*	
		For 3 Hour Rated, Add	*160.62*	
23 33 13 19-0288	EA	48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	767.67	66.87
		For Dynamic Damper, Add	*306.14*	
		For 3 Hour Rated, Add	*170.08*	
23 33 13 19-0289	EA	48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	799.77	68.87
		For Dynamic Damper, Add	*320.09*	
		For 3 Hour Rated, Add	*177.83*	
23 33 13 19-0290	EA	48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	840.42	71.01
		For Dynamic Damper, Add	*338.66*	
		For 3 Hour Rated, Add	*188.14*	
23 33 13 19-0291	EA	48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	878.78	75.15
		For Dynamic Damper, Add	*352.59*	
		For 3 Hour Rated, Add	*195.89*	
23 33 13 19-0292	EA	48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	919.46	77.29
		For Dynamic Damper, Add	*371.17*	
		For 3 Hour Rated, Add	*206.21*	
23 33 13 19-0293	EA	48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	961.21	83.56
		For Dynamic Damper, Add	*383.56*	
		For 3 Hour Rated, Add	*213.09*	
23 33 13 19-0294	EA	52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	544.58	35.50
		For Dynamic Damper, Add	*236.49*	
		For 3 Hour Rated, Add	*131.38*	
23 33 13 19-0295	EA	52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	562.31	37.64
		For Dynamic Damper, Add	*242.68*	
		For 3 Hour Rated, Add	*134.82*	
23 33 13 19-0296	EA	52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	586.32	41.77
		For Dynamic Damper, Add	*248.86*	
		For 3 Hour Rated, Add	*138.26*	
23 33 13 19-0297	EA	52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	601.73	45.92
		For Dynamic Damper, Add	*250.41*	
		For 3 Hour Rated, Add	*139.12*	
23 33 13 19-0298	EA	52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	627.20	50.19
		For Dynamic Damper, Add	*257.39*	
		For 3 Hour Rated, Add	*143.00*	
23 33 13 19-0299	EA	52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	652.64	54.32
		For Dynamic Damper, Add	*264.35*	
		For 3 Hour Rated, Add	*146.86*	
23 33 13 19-0300	EA	52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	682.38	58.47
		For Dynamic Damper, Add	*273.64*	
		For 3 Hour Rated, Add	*152.02*	
23 33 13 19-0301	EA	52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	712.13	62.73
		For Dynamic Damper, Add	*282.93*	
		For 3 Hour Rated, Add	*157.18*	
23 33 13 19-0302	EA	52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	750.49	66.87
		For Dynamic Damper, Add	*296.87*	
		For 3 Hour Rated, Add	*164.93*	
23 33 13 19-0303	EA	52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	797.41	71.01
		For Dynamic Damper, Add	*315.43*	
		For 3 Hour Rated, Add	*175.24*	
23 33 13 19-0304	EA	52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	832.35	73.14
		For Dynamic Damper, Add	*330.91*	
		For 3 Hour Rated, Add	*183.84*	
23 33 13 19-0305	EA	52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	875.91	75.15
		For Dynamic Damper, Add	*351.04*	
		For 3 Hour Rated, Add	*195.02*	
23 33 13 19-0306	EA	52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	922.84	79.41
		For Dynamic Damper, Add	*369.61*	
		For 3 Hour Rated, Add	*205.34*	
23 33 13 19-0307	EA	52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	961.21	83.56
		For Dynamic Damper, Add	*383.56*	
		For 3 Hour Rated, Add	*213.09*	
23 33 13 19-0308	EA	52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,014.42	89.83
		For Dynamic Damper, Add	*402.13*	
		For 3 Hour Rated, Add	*223.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0309	EA	52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,055.64	93.97
		For Dynamic Damper, Add	*417.61*	
		For 3 Hour Rated, Add	*232.01*	
23 33 13 19-0310	EA	56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	556.59	37.64
		For Dynamic Damper, Add	*239.59*	
		For 3 Hour Rated, Add	*133.10*	
23 33 13 19-0311	EA	56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.45	41.77
		For Dynamic Damper, Add	*247.31*	
		For 3 Hour Rated, Add	*137.40*	
23 33 13 19-0312	EA	56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.60	45.92
		For Dynamic Damper, Add	*251.96*	
		For 3 Hour Rated, Add	*139.98*	
23 33 13 19-0313	EA	56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	620.00	50.19
		For Dynamic Damper, Add	*253.50*	
		For 3 Hour Rated, Add	*140.84*	
23 33 13 19-0314	EA	56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	648.34	54.32
		For Dynamic Damper, Add	*262.03*	
		For 3 Hour Rated, Add	*145.57*	
23 33 13 19-0315	EA	56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	676.64	58.47
		For Dynamic Damper, Add	*270.54*	
		For 3 Hour Rated, Add	*150.30*	
23 33 13 19-0316	EA	56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	704.95	62.73
		For Dynamic Damper, Add	*279.05*	
		For 3 Hour Rated, Add	*155.03*	
23 33 13 19-0317	EA	56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	733.27	66.87
		For Dynamic Damper, Add	*287.57*	
		For 3 Hour Rated, Add	*159.76*	
23 33 13 19-0318	EA	56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	780.21	71.01
		For Dynamic Damper, Add	*306.14*	
		For 3 Hour Rated, Add	*170.08*	
23 33 13 19-0319	EA	56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	820.91	73.14
		For Dynamic Damper, Add	*324.73*	
		For 3 Hour Rated, Add	*180.41*	
23 33 13 19-0320	EA	56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	858.71	75.15
		For Dynamic Damper, Add	*341.76*	
		For 3 Hour Rated, Add	*189.86*	
23 33 13 19-0321	EA	56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	911.40	79.41
		For Dynamic Damper, Add	*363.43*	
		For 3 Hour Rated, Add	*201.91*	
23 33 13 19-0322	EA	56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	958.34	83.56
		For Dynamic Damper, Add	*382.01*	
		For 3 Hour Rated, Add	*212.23*	
23 33 13 19-0323	EA	56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,008.14	87.69
		For Dynamic Damper, Add	*402.13*	
		For 3 Hour Rated, Add	*223.40*	
23 33 13 19-0324	EA	56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,049.37	91.96
		For Dynamic Damper, Add	*417.61*	
		For 3 Hour Rated, Add	*232.01*	
23 33 13 19-0325	EA	56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,099.19	96.11
		For Dynamic Damper, Add	*437.74*	
		For 3 Hour Rated, Add	*243.19*	
23 33 13 19-0326	EA	56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,149.00	100.24
		For Dynamic Damper, Add	*457.87*	
		For 3 Hour Rated, Add	*254.37*	
23 33 13 19-0327	EA	60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	577.73	41.77
		For Dynamic Damper, Add	*244.23*	
		For 3 Hour Rated, Add	*135.68*	
23 33 13 19-0328	EA	60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	604.60	45.92
		For Dynamic Damper, Add	*251.96*	
		For 3 Hour Rated, Add	*139.98*	
23 33 13 19-0329	EA	60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	622.87	50.19
		For Dynamic Damper, Add	*255.05*	
		For 3 Hour Rated, Add	*141.70*	
23 33 13 19-0330	EA	60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	638.31	54.32
		For Dynamic Damper, Add	*256.61*	
		For 3 Hour Rated, Add	*142.56*	
23 33 13 19-0331	EA	60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	668.05	58.47
		For Dynamic Damper, Add	*265.90*	
		For 3 Hour Rated, Add	*147.72*	
23 33 13 19-0332	EA	60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	697.78	62.73
		For Dynamic Damper, Add	*275.18*	
		For 3 Hour Rated, Add	*152.88*	
23 33 13 19-0333	EA	60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	728.96	66.87
		For Dynamic Damper, Add	*285.24*	
		For 3 Hour Rated, Add	*158.47*	
23 33 13 19-0334	EA	60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	760.14	71.01
		For Dynamic Damper, Add	*295.30*	
		For 3 Hour Rated, Add	*164.06*	
23 33 13 19-0335	EA	60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	803.69	73.14
		For Dynamic Damper, Add	*315.43*	
		For 3 Hour Rated, Add	*175.24*	
23 33 13 19-0336	EA	60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	844.36	75.15
		For Dynamic Damper, Add	*334.01*	
		For 3 Hour Rated, Add	*185.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0337	EA	60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	894.20	79.41
		For Dynamic Damper, Add	*354.14*	
		For 3 Hour Rated, Add	*196.75*	
23 33 13 19-0338	EA	60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	944.01	83.56
		For Dynamic Damper, Add	*374.27*	
		For 3 Hour Rated, Add	*207.93*	
23 33 13 19-0339	EA	60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	985.20	87.69
		For Dynamic Damper, Add	*389.74*	
		For 3 Hour Rated, Add	*216.52*	
23 33 13 19-0340	EA	60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,043.61	91.96
		For Dynamic Damper, Add	*414.50*	
		For 3 Hour Rated, Add	*230.28*	
23 33 13 19-0341	EA	60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,096.30	96.11
		For Dynamic Damper, Add	*436.18*	
		For 3 Hour Rated, Add	*242.32*	
23 33 13 19-0342	EA	60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,149.00	100.24
		For Dynamic Damper, Add	*457.87*	
		For 3 Hour Rated, Add	*254.37*	
23 33 13 19-0343	EA	60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,195.91	104.51
		For Dynamic Damper, Add	*476.42*	
		For 3 Hour Rated, Add	*264.68*	
23 33 13 19-0344	EA	60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	1,242.90	108.65
		For Dynamic Damper, Add	*495.02*	
		For 3 Hour Rated, Add	*275.01*	

23 33 13 23 Backdraft Dampers *(23 33 13)*

23 33 13 23-0001 Horizontally Mounted Backdraft Damper *(23 33 13 23)*

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA	6" x 6" Horizontally Mounted Backdraft Damper	108.79	13.93
23 33 13 23-0003	EA	8" x 6" Horizontally Mounted Backdraft Damper	133.00	14.55
23 33 13 23-0004	EA	8" x 8" Horizontally Mounted Backdraft Damper	163.03	14.68
23 33 13 23-0005	EA	10" x 6" Horizontally Mounted Backdraft Damper	155.60	14.68
23 33 13 23-0006	EA	10" x 8" Horizontally Mounted Backdraft Damper	147.99	15.06
23 33 13 23-0007	EA	10" x 10" Horizontally Mounted Backdraft Damper	178.72	16.69
23 33 13 23-0008	EA	12" x 6" Horizontally Mounted Backdraft Damper	137.71	15.06
23 33 13 23-0009	EA	12" x 8" Horizontally Mounted Backdraft Damper	173.57	16.69
23 33 13 23-0010	EA	12" x 10" Horizontally Mounted Backdraft Damper	165.01	17.56
23 33 13 23-0011	EA	12" x 12" Horizontally Mounted Backdraft Damper	191.26	18.82
23 33 13 23-0012	EA	14" x 6" Horizontally Mounted Backdraft Damper	155.63	15.93
23 33 13 23-0013	EA	14" x 8" Horizontally Mounted Backdraft Damper	157.52	17.56
23 33 13 23-0014	EA	14" x 10" Horizontally Mounted Backdraft Damper	187.52	18.82
23 33 13 23-0015	EA	14" x 12" Horizontally Mounted Backdraft Damper	163.54	20.95
23 33 13 23-0016	EA	14" x 14" Horizontally Mounted Backdraft Damper	186.63	22.95
23 33 13 23-0017	EA	16" x 6" Horizontally Mounted Backdraft Damper	173.57	16.69
23 33 13 23-0018	EA	16" x 8" Horizontally Mounted Backdraft Damper	176.27	18.82
23 33 13 23-0019	EA	16" x 10" Horizontally Mounted Backdraft Damper	158.75	20.95
23 33 13 23-0020	EA	16" x 12" Horizontally Mounted Backdraft Damper	177.93	20.95
23 33 13 23-0021	EA	16" x 14" Horizontally Mounted Backdraft Damper	203.43	22.95
23 33 13 23-0022	EA	16" x 16" Horizontally Mounted Backdraft Damper	228.88	25.09
23 33 13 23-0023	EA	18" x 6" Horizontally Mounted Backdraft Damper	153.79	17.56
23 33 13 23-0024	EA	18" x 8" Horizontally Mounted Backdraft Damper	142.85	18.82
23 33 13 23-0025	EA	18" x 10" Horizontally Mounted Backdraft Damper	170.72	20.95
23 33 13 23-0026	EA	18" x 12" Horizontally Mounted Backdraft Damper	198.60	22.95
23 33 13 23-0027	EA	18" x 14" Horizontally Mounted Backdraft Damper	226.47	25.09
23 33 13 23-0028	EA	18" x 16" Horizontally Mounted Backdraft Damper	259.88	27.10
23 33 13 23-0029	EA	18" x 18" Horizontally Mounted Backdraft Damper	294.72	31.37
23 33 13 23-0030	EA	18" x 20" Horizontally Mounted Backdraft Damper	235.56	33.37
23 33 13 23-0031	EA	18" x 24" Horizontally Mounted Backdraft Damper	275.13	37.64
23 33 13 23-0032	EA	20" x 6" Horizontally Mounted Backdraft Damper	168.78	18.82
23 33 13 23-0033	EA	20" x 8" Horizontally Mounted Backdraft Damper	158.75	20.95
23 33 13 23-0034	EA	20" x 10" Horizontally Mounted Backdraft Damper	189.01	22.95
23 33 13 23-0035	EA	20" x 12" Horizontally Mounted Backdraft Damper	219.29	25.09
23 33 13 23-0036	EA	20" x 14" Horizontally Mounted Backdraft Damper	254.92	27.10
23 33 13 23-0037	EA	20" x 16" Horizontally Mounted Backdraft Damper	285.97	29.23
23 33 13 23-0038	EA	20" x 18" Horizontally Mounted Backdraft Damper	235.56	33.37
23 33 13 23-0039	EA	20" x 20" Horizontally Mounted Backdraft Damper	250.58	33.37
23 33 13 23-0040	EA	20" x 24" Horizontally Mounted Backdraft Damper	293.16	37.64
23 33 13 23-0041	EA	20" x 28" Horizontally Mounted Backdraft Damper	335.74	41.77
23 33 13 23-0042	EA	20" x 32" Horizontally Mounted Backdraft Damper	309.66	45.92
23 33 13 23-0043	EA	20" x 36" Horizontally Mounted Backdraft Damper	343.65	50.19
23 33 13 23-0044	EA	24" x 6" Horizontally Mounted Backdraft Damper	149.12	20.95
23 33 13 23-0045	EA	24" x 8" Horizontally Mounted Backdraft Damper	184.21	22.95
23 33 13 23-0046	EA	24" x 10" Horizontally Mounted Backdraft Damper	219.29	25.09
23 33 13 23-0047	EA	24" x 12" Horizontally Mounted Backdraft Damper	259.88	27.10
23 33 13 23-0048	EA	24" x 14" Horizontally Mounted Backdraft Damper	220.26	31.37
23 33 13 23-0049	EA	24" x 16" Horizontally Mounted Backdraft Damper	244.56	33.37
23 33 13 23-0050	EA	24" x 18" Horizontally Mounted Backdraft Damper	275.13	37.64
23 33 13 23-0051	EA	24" x 20" Horizontally Mounted Backdraft Damper	293.16	37.64
23 33 13 23-0052	EA	24" x 24" Horizontally Mounted Backdraft Damper	341.76	41.77
23 33 13 23-0053	EA	24" x 28" Horizontally Mounted Backdraft Damper	318.22	45.92
23 33 13 23-0054	EA	24" x 32" Horizontally Mounted Backdraft Damper	356.54	50.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0055	EA	24" x 36" Horizontally Mounted Backdraft Damper	394.82	54.32
23 33 13 23-0056	EA	24" x 40" Horizontally Mounted Backdraft Damper	381.63	58.47
23 33 13 23-0057	EA	24" x 44" Horizontally Mounted Backdraft Damper	414.77	62.73
23 33 13 23-0058	EA	24" x 48" Horizontally Mounted Backdraft Damper	435.37	62.73
23 33 13 23-0059	EA	28" x 6" Horizontally Mounted Backdraft Damper	163.54	20.95
23 33 13 23-0060	EA	28" x 8" Horizontally Mounted Backdraft Damper	203.43	22.95
23 33 13 23-0061	EA	28" x 10" Horizontally Mounted Backdraft Damper	254.92	27.10
23 33 13 23-0062	EA	28" x 12" Horizontally Mounted Backdraft Damper	220.26	31.37
23 33 13 23-0063	EA	28" x 14" Horizontally Mounted Backdraft Damper	247.57	33.37
23 33 13 23-0064	EA	28" x 16" Horizontally Mounted Backdraft Damper	281.15	37.64
23 33 13 23-0065	EA	28" x 18" Horizontally Mounted Backdraft Damper	314.74	41.77
23 33 13 23-0066	EA	28" x 20" Horizontally Mounted Backdraft Damper	335.74	41.77
23 33 13 23-0067	EA	28" x 24" Horizontally Mounted Backdraft Damper	318.22	45.92
23 33 13 23-0068	EA	28" x 28" Horizontally Mounted Backdraft Damper	360.83	50.19
23 33 13 23-0069	EA	28" x 32" Horizontally Mounted Backdraft Damper	403.41	54.32
23 33 13 23-0070	EA	28" x 36" Horizontally Mounted Backdraft Damper	404.46	62.73
23 33 13 23-0071	EA	28" x 40" Horizontally Mounted Backdraft Damper	428.50	62.73
23 33 13 23-0072	EA	28" x 44" Horizontally Mounted Backdraft Damper	465.06	66.87
23 33 13 23-0073	EA	28" x 48" Horizontally Mounted Backdraft Damper	501.65	71.01
23 33 13 23-0074	EA	28" x 52" Horizontally Mounted Backdraft Damper	525.69	71.01
23 33 13 23-0075	EA	28" x 56" Horizontally Mounted Backdraft Damper	520.22	75.15
23 33 13 23-0076	EA	28" x 60" Horizontally Mounted Backdraft Damper	541.22	75.15
23 33 13 23-0077	EA	32" x 6" Horizontally Mounted Backdraft Damper	184.21	22.95
23 33 13 23-0078	EA	32" x 8" Horizontally Mounted Backdraft Damper	240.07	27.10
23 33 13 23-0079	EA	32" x 10" Horizontally Mounted Backdraft Damper	285.97	29.23
23 33 13 23-0080	EA	32" x 12" Horizontally Mounted Backdraft Damper	244.56	33.37
23 33 13 23-0081	EA	32" x 14" Horizontally Mounted Backdraft Damper	281.15	37.64
23 33 13 23-0082	EA	32" x 16" Horizontally Mounted Backdraft Damper	317.72	41.77
23 33 13 23-0083	EA	32" x 18" Horizontally Mounted Backdraft Damper	279.94	41.77
23 33 13 23-0084	EA	32" x 20" Horizontally Mounted Backdraft Damper	309.66	45.92
23 33 13 23-0085	EA	32" x 24" Horizontally Mounted Backdraft Damper	356.54	50.19
23 33 13 23-0086	EA	32" x 28" Horizontally Mounted Backdraft Damper	403.41	54.32
23 33 13 23-0087	EA	32" x 32" Horizontally Mounted Backdraft Damper	407.91	62.73
23 33 13 23-0088	EA	32" x 36" Horizontally Mounted Backdraft Damper	435.37	62.73
23 33 13 23-0089	EA	32" x 40" Horizontally Mounted Backdraft Damper	475.38	66.87
23 33 13 23-0090	EA	32" x 44" Horizontally Mounted Backdraft Damper	515.38	71.01
23 33 13 23-0091	EA	32" x 48" Horizontally Mounted Backdraft Damper	514.20	75.15
23 33 13 23-0092	EA	32" x 52" Horizontally Mounted Backdraft Damper	538.24	75.15
23 33 13 23-0093	EA	32" x 56" Horizontally Mounted Backdraft Damper	574.80	79.41
23 33 13 23-0094	EA	32" x 60" Horizontally Mounted Backdraft Damper	598.85	79.41
23 33 13 23-0095	EA	32" x 64" Horizontally Mounted Backdraft Damper	580.48	83.56
23 33 13 23-0096	EA	32" x 68" Horizontally Mounted Backdraft Damper	601.07	83.56
23 33 13 23-0097	EA	32" x 72" Horizontally Mounted Backdraft Damper	634.21	87.69
23 33 13 23-0098	EA	36" x 6" Horizontally Mounted Backdraft Damper	198.60	22.95
23 33 13 23-0099	EA	36" x 8" Horizontally Mounted Backdraft Damper	266.16	29.23
23 33 13 23-0100	EA	36" x 10" Horizontally Mounted Backdraft Damper	235.56	33.37
23 33 13 23-0101	EA	36" x 12" Horizontally Mounted Backdraft Damper	275.13	37.64
23 33 13 23-0102	EA	36" x 14" Horizontally Mounted Backdraft Damper	314.74	41.77
23 33 13 23-0103	EA	36" x 16" Horizontally Mounted Backdraft Damper	279.94	41.77
23 33 13 23-0104	EA	36" x 18" Horizontally Mounted Backdraft Damper	311.79	45.92
23 33 13 23-0105	EA	36" x 20" Horizontally Mounted Backdraft Damper	343.65	50.19
23 33 13 23-0106	EA	36" x 24" Horizontally Mounted Backdraft Damper	394.82	54.32
23 33 13 23-0107	EA	36" x 28" Horizontally Mounted Backdraft Damper	404.46	62.73
23 33 13 23-0108	EA	36" x 32" Horizontally Mounted Backdraft Damper	435.37	62.73
23 33 13 23-0109	EA	36" x 36" Horizontally Mounted Backdraft Damper	478.79	66.87
23 33 13 23-0110	EA	36" x 40" Horizontally Mounted Backdraft Damper	522.24	71.01
23 33 13 23-0111	EA	36" x 44" Horizontally Mounted Backdraft Damper	523.19	75.15
23 33 13 23-0112	EA	36" x 48" Horizontally Mounted Backdraft Damper	562.80	79.41
23 33 13 23-0113	EA	36" x 52" Horizontally Mounted Backdraft Damper	589.82	79.41
23 33 13 23-0114	EA	36" x 56" Horizontally Mounted Backdraft Damper	575.34	83.56
23 33 13 23-0115	EA	36" x 60" Horizontally Mounted Backdraft Damper	598.50	83.56
23 33 13 23-0116	EA	36" x 64" Horizontally Mounted Backdraft Damper	634.21	87.69
23 33 13 23-0117	EA	36" x 68" Horizontally Mounted Backdraft Damper	657.38	87.69
23 33 13 23-0118	EA	36" x 72" Horizontally Mounted Backdraft Damper	680.57	87.69
23 33 13 23-0119	EA	40" x 6" Horizontally Mounted Backdraft Damper	219.29	25.09
23 33 13 23-0120	EA	40" x 8" Horizontally Mounted Backdraft Damper	292.24	31.37
23 33 13 23-0121	EA	40" x 10" Horizontally Mounted Backdraft Damper	250.58	33.37
23 33 13 23-0122	EA	40" x 12" Horizontally Mounted Backdraft Damper	293.16	37.64
23 33 13 23-0123	EA	40" x 14" Horizontally Mounted Backdraft Damper	335.74	41.77
23 33 13 23-0124	EA	40" x 16" Horizontally Mounted Backdraft Damper	309.66	45.92
23 33 13 23-0125	EA	40" x 18" Horizontally Mounted Backdraft Damper	343.65	50.19
23 33 13 23-0126	EA	40" x 20" Horizontally Mounted Backdraft Damper	377.64	54.32
23 33 13 23-0127	EA	40" x 24" Horizontally Mounted Backdraft Damper	381.63	58.47
23 33 13 23-0128	EA	40" x 28" Horizontally Mounted Backdraft Damper	428.50	62.73
23 33 13 23-0129	EA	40" x 32" Horizontally Mounted Backdraft Damper	475.38	66.87
23 33 13 23-0130	EA	40" x 36" Horizontally Mounted Backdraft Damper	522.24	71.01
23 33 13 23-0131	EA	40" x 40" Horizontally Mounted Backdraft Damper	526.20	75.15
23 33 13 23-0132	EA	40" x 44" Horizontally Mounted Backdraft Damper	568.79	79.41
23 33 13 23-0133	EA	40" x 48" Horizontally Mounted Backdraft Damper	598.85	79.41
23 33 13 23-0134	EA	40" x 50" Horizontally Mounted Backdraft Damper	572.77	83.56
23 33 13 23-0135	EA	44" x 6" Horizontally Mounted Backdraft Damper	245.02	27.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0136	EA	44" x 8" Horizontally Mounted Backdraft Damper	232.55	33.37
23 33 13 23-0137	EA	44" x 10" Horizontally Mounted Backdraft Damper	278.14	37.64
23 33 13 23-0138	EA	44" x 12" Horizontally Mounted Backdraft Damper	323.73	41.77
23 33 13 23-0139	EA	44" x 14" Horizontally Mounted Backdraft Damper	303.20	45.92
23 33 13 23-0140	EA	44" x 16" Horizontally Mounted Backdraft Damper	339.36	50.19
23 33 13 23-0141	EA	44" x 18" Horizontally Mounted Backdraft Damper	362.96	50.19
23 33 13 23-0142	EA	44" x 20" Horizontally Mounted Backdraft Damper	399.12	54.32
23 33 13 23-0143	EA	44" x 24" Horizontally Mounted Backdraft Damper	414.77	62.73
23 33 13 23-0144	EA	44" x 28" Horizontally Mounted Backdraft Damper	465.06	66.87
23 33 13 23-0145	EA	44" x 32" Horizontally Mounted Backdraft Damper	515.38	71.01
23 33 13 23-0146	EA	44" x 36" Horizontally Mounted Backdraft Damper	523.19	75.15
23 33 13 23-0147	EA	44" x 40" Horizontally Mounted Backdraft Damper	568.79	79.41
23 33 13 23-0148	EA	44" x 44" Horizontally Mounted Backdraft Damper	601.83	79.41
23 33 13 23-0149	EA	44" x 48" Horizontally Mounted Backdraft Damper	590.79	83.56
23 33 13 23-0150	EA	44" x 50" Horizontally Mounted Backdraft Damper	604.93	83.56
23 33 13 23-0151	EA	48" x 6" Horizontally Mounted Backdraft Damper	266.16	29.23
23 33 13 23-0152	EA	48" x 8" Horizontally Mounted Backdraft Damper	244.56	33.37
23 33 13 23-0153	EA	48" x 10" Horizontally Mounted Backdraft Damper	293.16	37.64
23 33 13 23-0154	EA	48" x 12" Horizontally Mounted Backdraft Damper	279.94	41.77
23 33 13 23-0155	EA	48" x 14" Horizontally Mounted Backdraft Damper	318.22	45.92
23 33 13 23-0156	EA	48" x 16" Horizontally Mounted Backdraft Damper	356.54	50.19
23 33 13 23-0157	EA	48" x 18" Horizontally Mounted Backdraft Damper	394.82	54.32
23 33 13 23-0158	EA	48" x 20" Horizontally Mounted Backdraft Damper	381.63	58.47
23 33 13 23-0159	EA	48" x 24" Horizontally Mounted Backdraft Damper	435.37	62.73
23 33 13 23-0160	EA	48" x 28" Horizontally Mounted Backdraft Damper	501.65	71.01
23 33 13 23-0161	EA	48" x 32" Horizontally Mounted Backdraft Damper	514.20	75.15
23 33 13 23-0162	EA	48" x 36" Horizontally Mounted Backdraft Damper	562.80	79.41
23 33 13 23-0163	EA	48" x 40" Horizontally Mounted Backdraft Damper	598.85	79.41
23 33 13 23-0164	EA	48" x 44" Horizontally Mounted Backdraft Damper	590.79	83.56
23 33 13 23-0165	EA	48" x 48" Horizontally Mounted Backdraft Damper	634.21	87.69
23 33 13 23-0166	EA	48" x 50" Horizontally Mounted Backdraft Damper	649.66	87.69
23 33 13 23-0167	EA	50" x 6" Horizontally Mounted Backdraft Damper	273.59	29.23
23 33 13 23-0168	EA	50" x 8" Horizontally Mounted Backdraft Damper	263.13	37.64
23 33 13 23-0169	EA	50" x 10" Horizontally Mounted Backdraft Damper	313.23	41.77
23 33 13 23-0170	EA	50" x 12" Horizontally Mounted Backdraft Damper	298.91	45.92
23 33 13 23-0171	EA	50" x 14" Horizontally Mounted Backdraft Damper	338.29	50.19
23 33 13 23-0172	EA	50" x 16" Horizontally Mounted Backdraft Damper	377.64	54.32
23 33 13 23-0173	EA	50" x 18" Horizontally Mounted Backdraft Damper	417.02	58.47
23 33 13 23-0174	EA	50" x 20" Horizontally Mounted Backdraft Damper	402.73	62.73
23 33 13 23-0175	EA	50" x 24" Horizontally Mounted Backdraft Damper	458.20	66.87
23 33 13 23-0176	EA	50" x 28" Horizontally Mounted Backdraft Damper	513.65	71.01
23 33 13 23-0177	EA	50" x 32" Horizontally Mounted Backdraft Damper	526.20	75.15
23 33 13 23-0178	EA	50" x 36" Horizontally Mounted Backdraft Damper	576.31	79.41
23 33 13 23-0179	EA	50" x 40" Horizontally Mounted Backdraft Damper	572.77	83.56
23 33 13 23-0180	EA	50" x 44" Horizontally Mounted Backdraft Damper	604.93	83.56
23 33 13 23-0181	EA	50" x 48" Horizontally Mounted Backdraft Damper	649.66	87.69
23 33 13 23-0182	EA	50" x 50" Horizontally Mounted Backdraft Damper	665.75	87.69
23 33 13 23-0183		**Vertically Mounted Backdraft Damper** *(23 33 13 23)*		
		Note: Galvanized steel frame, aluminum blades. Excludes motor pack.		
23 33 13 23-0184	EA	6" x 6" Vertically Mounted Backdraft Damper	118.95	13.93
23 33 13 23-0185	EA	8" x 6" Vertically Mounted Backdraft Damper	146.57	14.55
23 33 13 23-0186	EA	10" x 6" Vertically Mounted Backdraft Damper	151.12	14.68
23 33 13 23-0187	EA	8" x 8" Vertically Mounted Backdraft Damper	158.27	14.68
23 33 13 23-0188	EA	12" x 6" Vertically Mounted Backdraft Damper	173.82	15.06
23 33 13 23-0189	EA	10" x 8" Vertically Mounted Backdraft Damper	193.14	16.69
23 33 13 23-0190	EA	14" x 6" Vertically Mounted Backdraft Damper	195.26	15.06
23 33 13 23-0191	EA	12" x 8" Vertically Mounted Backdraft Damper	221.72	16.69
23 33 13 23-0192	EA	16" x 6" Vertically Mounted Backdraft Damper	224.22	17.56
23 33 13 23-0193	EA	10" x 10" Vertically Mounted Backdraft Damper	235.14	18.82
23 33 13 23-0194	EA	18" x 6" Vertically Mounted Backdraft Damper	188.73	15.93
23 33 13 23-0195	EA	14" x 8" Vertically Mounted Backdraft Damper	198.99	17.56
23 33 13 23-0196	EA	12" x 10" Vertically Mounted Backdraft Damper	213.20	18.82
23 33 13 23-0197	EA	20" x 6" Vertically Mounted Backdraft Damper	219.47	20.95
23 33 13 23-0198	EA	16" x 8" Vertically Mounted Backdraft Damper	236.19	22.95
23 33 13 23-0199	EA	14" x 10" Vertically Mounted Backdraft Damper	233.04	16.69
23 33 13 23-0200	EA	12" x 12" Vertically Mounted Backdraft Damper	244.55	18.82
23 33 13 23-0201	EA	18" x 8" Vertically Mounted Backdraft Damper	212.45	20.95
23 33 13 23-0202	EA	24" x 6" Vertically Mounted Backdraft Damper	212.45	20.95
23 33 13 23-0203	EA	16" x 10" Vertically Mounted Backdraft Damper	235.34	22.95
23 33 13 23-0204	EA	20" x 8" Vertically Mounted Backdraft Damper	241.61	25.09
23 33 13 23-0205	EA	14" x 12" Vertically Mounted Backdraft Damper	227.33	17.56
23 33 13 23-0206	EA	28" x 6" Vertically Mounted Backdraft Damper	231.10	18.82
23 33 13 23-0207	EA	18" x 10" Vertically Mounted Backdraft Damper	249.84	20.95
23 33 13 23-0208	EA	16" x 12" Vertically Mounted Backdraft Damper	268.60	22.95
23 33 13 23-0209	EA	24" x 8" Vertically Mounted Backdraft Damper	274.87	25.09
23 33 13 23-0210	EA	32" x 6" Vertically Mounted Backdraft Damper	281.13	27.10
23 33 13 23-0211	EA	14" x 14" Vertically Mounted Backdraft Damper	297.85	31.37
23 33 13 23-0212	EA	20" x 10" Vertically Mounted Backdraft Damper	293.84	33.37
23 33 13 23-0213	EA	18" x 12" Vertically Mounted Backdraft Damper	321.87	37.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0214	EA	36" x 6" Vertically Mounted Backdraft Damper	265.42	18.82
23 33 13 23-0215	EA	16" x 14" Vertically Mounted Backdraft Damper	279.44	20.95
23 33 13 23-0216	EA	28" x 8" Vertically Mounted Backdraft Damper	285.72	22.95
23 33 13 23-0217	EA	20" x 12" Vertically Mounted Backdraft Damper	307.44	25.09
23 33 13 23-0218	EA	24" x 10" Vertically Mounted Backdraft Damper	313.70	27.10
23 33 13 23-0219	EA	40" x 6" Vertically Mounted Backdraft Damper	319.98	29.23
23 33 13 23-0220	EA	18" x 14" Vertically Mounted Backdraft Damper	344.15	33.37
23 33 13 23-0221	EA	16" x 16" Vertically Mounted Backdraft Damper	348.01	33.37
23 33 13 23-0222	EA	32" x 8" Vertically Mounted Backdraft Damper	360.56	37.64
23 33 13 23-0223	EA	44" x 6" Vertically Mounted Backdraft Damper	380.85	41.77
23 33 13 23-0224	EA	20" x 14" Vertically Mounted Backdraft Damper	408.88	45.92
23 33 13 23-0225	EA	28" x 10" Vertically Mounted Backdraft Damper	421.43	50.19
23 33 13 23-0226	EA	18" x 16" Vertically Mounted Backdraft Damper	341.35	20.95
23 33 13 23-0227	EA	24" x 12" Vertically Mounted Backdraft Damper	347.63	22.95
23 33 13 23-0228	EA	36" x 8" Vertically Mounted Backdraft Damper	353.90	25.09
23 33 13 23-0229	EA	48" x 6" Vertically Mounted Backdraft Damper	360.16	27.10
23 33 13 23-0230	EA	50" x 6" Vertically Mounted Backdraft Damper	384.31	31.37
23 33 13 23-0231	EA	20" x 16" Vertically Mounted Backdraft Damper	409.92	33.37
23 33 13 23-0232	EA	32" x 10" Vertically Mounted Backdraft Damper	422.47	37.64
23 33 13 23-0233	EA	40" x 8" Vertically Mounted Backdraft Damper	422.47	37.64
23 33 13 23-0234	EA	18" x 18" Vertically Mounted Backdraft Damper	373.11	41.77
23 33 13 23-0235	EA	24" x 14" Vertically Mounted Backdraft Damper	351.26	45.92
23 33 13 23-0236	EA	28" x 12" Vertically Mounted Backdraft Damper	363.81	50.19
23 33 13 23-0237	EA	44" x 8" Vertically Mounted Backdraft Damper	386.52	54.32
23 33 13 23-0238	EA	18" x 20" Vertically Mounted Backdraft Damper	404.13	58.47
23 33 13 23-0239	EA	20" x 18" Vertically Mounted Backdraft Damper	416.68	62.73
23 33 13 23-0240	EA	36" x 10" Vertically Mounted Backdraft Damper	416.68	62.73
23 33 13 23-0241	EA	24" x 16" Vertically Mounted Backdraft Damper	306.46	20.95
23 33 13 23-0242	EA	32" x 12" Vertically Mounted Backdraft Damper	312.74	22.95
23 33 13 23-0243	EA	48" x 8" Vertically Mounted Backdraft Damper	325.27	27.10
23 33 13 23-0244	EA	28" x 14" Vertically Mounted Backdraft Damper	342.90	31.37
23 33 13 23-0245	EA	20" x 20" Vertically Mounted Backdraft Damper	354.25	33.37
23 33 13 23-0246	EA	40" x 10" Vertically Mounted Backdraft Damper	366.80	37.64
23 33 13 23-0247	EA	50" x 8" Vertically Mounted Backdraft Damper	379.35	41.77
23 33 13 23-0248	EA	18" x 24" Vertically Mounted Backdraft Damper	399.66	41.77
23 33 13 23-0249	EA	24" x 18" Vertically Mounted Backdraft Damper	412.20	45.92
23 33 13 23-0250	EA	36" x 12" Vertically Mounted Backdraft Damper	424.75	50.19
23 33 13 23-0251	EA	44" x 10" Vertically Mounted Backdraft Damper	442.38	54.32
23 33 13 23-0252	EA	28" x 16" Vertically Mounted Backdraft Damper	472.55	62.73
23 33 13 23-0253	EA	32" x 14" Vertically Mounted Backdraft Damper	472.55	62.73
23 33 13 23-0254	EA	20" x 24" Vertically Mounted Backdraft Damper	507.95	66.87
23 33 13 23-0255	EA	24" x 20" Vertically Mounted Backdraft Damper	473.72	71.01
23 33 13 23-0256	EA	40" x 12" Vertically Mounted Backdraft Damper	473.72	71.01
23 33 13 23-0257	EA	48" x 10" Vertically Mounted Backdraft Damper	486.27	75.15
23 33 13 23-0258	EA	50" x 10" Vertically Mounted Backdraft Damper	497.11	75.15
23 33 13 23-0259	EA	28" x 18" Vertically Mounted Backdraft Damper	342.46	22.95
23 33 13 23-0260	EA	36" x 14" Vertically Mounted Backdraft Damper	354.99	27.10
23 33 13 23-0261	EA	32" x 16" Vertically Mounted Backdraft Damper	365.62	29.23
23 33 13 23-0262	EA	44" x 12" Vertically Mounted Backdraft Damper	386.82	33.37
23 33 13 23-0263	EA	20" x 28" Vertically Mounted Backdraft Damper	416.73	37.64
23 33 13 23-0264	EA	28" x 20" Vertically Mounted Backdraft Damper	429.28	41.77
23 33 13 23-0265	EA	40" x 14" Vertically Mounted Backdraft Damper	429.28	41.77
23 33 13 23-0266	EA	24" x 24" Vertically Mounted Backdraft Damper	450.51	45.92
23 33 13 23-0267	EA	32" x 18" Vertically Mounted Backdraft Damper	463.06	50.19
23 33 13 23-0268	EA	36" x 16" Vertically Mounted Backdraft Damper	475.61	54.32
23 33 13 23-0269	EA	48" x 12" Vertically Mounted Backdraft Damper	500.70	62.73
23 33 13 23-0270	EA	50" x 12" Vertically Mounted Backdraft Damper	513.74	62.73
23 33 13 23-0271	EA	44" x 14" Vertically Mounted Backdraft Damper	534.97	66.87
23 33 13 23-0272	EA	20" x 32" Vertically Mounted Backdraft Damper	560.52	71.01
23 33 13 23-0273	EA	32" x 20" Vertically Mounted Backdraft Damper	573.07	75.15
23 33 13 23-0274	EA	40" x 16" Vertically Mounted Backdraft Damper	573.07	75.15
23 33 13 23-0275	EA	36" x 18" Vertically Mounted Backdraft Damper	589.94	79.41
23 33 13 23-0276	EA	24" x 28" Vertically Mounted Backdraft Damper	605.15	79.41
23 33 13 23-0277	EA	28" x 24" Vertically Mounted Backdraft Damper	586.25	83.56
23 33 13 23-0278	EA	48" x 14" Vertically Mounted Backdraft Damper	586.25	83.56
23 33 13 23-0279	EA	50" x 14" Vertically Mounted Backdraft Damper	612.77	87.69
23 33 13 23-0280	EA	44" x 16" Vertically Mounted Backdraft Damper	420.29	22.95
23 33 13 23-0281	EA	20" x 36" Vertically Mounted Backdraft Damper	447.10	29.23
23 33 13 23-0282	EA	36" x 20" Vertically Mounted Backdraft Damper	459.64	33.37
23 33 13 23-0283	EA	40" x 18" Vertically Mounted Backdraft Damper	472.19	37.64
23 33 13 23-0284	EA	24" x 32" Vertically Mounted Backdraft Damper	508.69	41.77
23 33 13 23-0285	EA	32" x 24" Vertically Mounted Backdraft Damper	508.69	41.77
23 33 13 23-0286	EA	48" x 16" Vertically Mounted Backdraft Damper	521.23	45.92
23 33 13 23-0287	EA	28" x 28" Vertically Mounted Backdraft Damper	541.77	50.19
23 33 13 23-0288	EA	44" x 18" Vertically Mounted Backdraft Damper	558.30	54.32
23 33 13 23-0289	EA	40" x 20" Vertically Mounted Backdraft Damper	587.37	62.73
23 33 13 23-0290	EA	50" x 16" Vertically Mounted Backdraft Damper	587.37	62.73
23 33 13 23-0291	EA	24" x 36" Vertically Mounted Backdraft Damper	631.87	66.87
23 33 13 23-0292	EA	36" x 24" Vertically Mounted Backdraft Damper	644.41	71.01
23 33 13 23-0293	EA	48" x 18" Vertically Mounted Backdraft Damper	656.96	75.15
23 33 13 23-0294	EA	44" x 20" Vertically Mounted Backdraft Damper	677.50	79.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0295	EA	28" x 32" Vertically Mounted Backdraft Damper	685.49	79.41
23 33 13 23-0296	EA	32" x 28" Vertically Mounted Backdraft Damper	698.03	83.56
23 33 13 23-0297	EA	50" x 18" Vertically Mounted Backdraft Damper	700.01	83.56
23 33 13 23-0298	EA	24" x 40" Vertically Mounted Backdraft Damper	742.48	87.69
23 33 13 23-0299	EA	40" x 24" Vertically Mounted Backdraft Damper	742.48	87.69
23 33 13 23-0300	EA	48" x 20" Vertically Mounted Backdraft Damper	742.48	87.69
23 33 13 23-0301	EA	50" x 20" Vertically Mounted Backdraft Damper	574.27	25.09
23 33 13 23-0302	EA	28" x 36" Vertically Mounted Backdraft Damper	597.06	31.37
23 33 13 23-0303	EA	36" x 28" Vertically Mounted Backdraft Damper	603.33	33.37
23 33 13 23-0304	EA	32" x 32" Vertically Mounted Backdraft Damper	623.88	37.64
23 33 13 23-0305	EA	24" x 44" Vertically Mounted Backdraft Damper	595.43	41.77
23 33 13 23-0306	EA	44" x 24" Vertically Mounted Backdraft Damper	607.97	45.92
23 33 13 23-0307	EA	28" x 40" Vertically Mounted Backdraft Damper	648.98	50.19
23 33 13 23-0308	EA	40" x 28" Vertically Mounted Backdraft Damper	661.53	54.32
23 33 13 23-0309	EA	24" x 48" Vertically Mounted Backdraft Damper	688.33	58.47
23 33 13 23-0310	EA	32" x 36" Vertically Mounted Backdraft Damper	700.88	62.73
23 33 13 23-0311	EA	36" x 32" Vertically Mounted Backdraft Damper	713.43	66.87
23 33 13 23-0312	EA	48" x 24" Vertically Mounted Backdraft Damper	725.97	71.01
23 33 13 23-0313	EA	50" x 24" Vertically Mounted Backdraft Damper	759.87	75.15
23 33 13 23-0314	EA	28" x 44" Vertically Mounted Backdraft Damper	786.65	79.41
23 33 13 23-0315	EA	44" x 28" Vertically Mounted Backdraft Damper	786.65	79.41
23 33 13 23-0316	EA	32" x 40" Vertically Mounted Backdraft Damper	820.57	83.56
23 33 13 23-0317	EA	40" x 32" Vertically Mounted Backdraft Damper	651.19	27.10
23 33 13 23-0318	EA	36" x 36" Vertically Mounted Backdraft Damper	677.13	33.37
23 33 13 23-0319	EA	28" x 48" Vertically Mounted Backdraft Damper	711.03	37.64
23 33 13 23-0320	EA	48" x 28" Vertically Mounted Backdraft Damper	723.58	41.77
23 33 13 23-0321	EA	50" x 28" Vertically Mounted Backdraft Damper	761.04	45.92
23 33 13 23-0322	EA	32" x 44" Vertically Mounted Backdraft Damper	777.16	50.19
23 33 13 23-0323	EA	44" x 32" Vertically Mounted Backdraft Damper	777.16	50.19
23 33 13 23-0324	EA	36" x 40" Vertically Mounted Backdraft Damper	805.73	54.32
23 33 13 23-0325	EA	40" x 36" Vertically Mounted Backdraft Damper	764.96	62.73
23 33 13 23-0326	EA	28" x 52" Vertically Mounted Backdraft Damper	783.90	66.87
23 33 13 23-0327	EA	32" x 48" Vertically Mounted Backdraft Damper	828.48	71.01
23 33 13 23-0328	EA	48" x 32" Vertically Mounted Backdraft Damper	841.03	75.15
23 33 13 23-0329	EA	28" x 56" Vertically Mounted Backdraft Damper	866.40	79.41
23 33 13 23-0330	EA	36" x 44" Vertically Mounted Backdraft Damper	872.83	79.41
23 33 13 23-0331	EA	44" x 36" Vertically Mounted Backdraft Damper	885.37	83.56
23 33 13 23-0332	EA	40" x 40" Vertically Mounted Backdraft Damper	891.76	83.56
23 33 13 23-0333	EA	50" x 32" Vertically Mounted Backdraft Damper	728.66	29.23
23 33 13 23-0334	EA	32" x 52" Vertically Mounted Backdraft Damper	766.84	33.37
23 33 13 23-0335	EA	28" x 60" Vertically Mounted Backdraft Damper	785.79	37.64
23 33 13 23-0336	EA	36" x 48" Vertically Mounted Backdraft Damper	817.59	41.77
23 33 13 23-0337	EA	48" x 36" Vertically Mounted Backdraft Damper	830.13	45.92
23 33 13 23-0338	EA	40" x 44" Vertically Mounted Backdraft Damper	855.50	50.19
23 33 13 23-0339	EA	44" x 40" Vertically Mounted Backdraft Damper	868.05	54.32
23 33 13 23-0340	EA	32" x 56" Vertically Mounted Backdraft Damper	893.38	58.47
23 33 13 23-0341	EA	50" x 36" Vertically Mounted Backdraft Damper	829.03	62.73
23 33 13 23-0342	EA	36" x 52" Vertically Mounted Backdraft Damper	879.76	71.01
23 33 13 23-0343	EA	32" x 60" Vertically Mounted Backdraft Damper	909.40	75.15
23 33 13 23-0344	EA	40" x 48" Vertically Mounted Backdraft Damper	921.95	79.41
23 33 13 23-0345	EA	48" x 40" Vertically Mounted Backdraft Damper	921.95	79.41
23 33 13 23-0346	EA	44" x 44" Vertically Mounted Backdraft Damper	940.19	83.56
23 33 13 23-0347	EA	40" x 50" Vertically Mounted Backdraft Damper	975.52	87.69
23 33 13 23-0348	EA	50" x 40" Vertically Mounted Backdraft Damper	975.52	87.69
23 33 13 23-0349	EA	36" x 56" Vertically Mounted Backdraft Damper	805.56	29.23
23 33 13 23-0350	EA	32" x 64" Vertically Mounted Backdraft Damper	842.06	37.64
23 33 13 23-0351	EA	44" x 48" Vertically Mounted Backdraft Damper	877.40	41.77
23 33 13 23-0352	EA	48" x 44" Vertically Mounted Backdraft Damper	889.94	45.92
23 33 13 23-0353	EA	36" x 60" Vertically Mounted Backdraft Damper	919.57	50.19
23 33 13 23-0354	EA	32" x 68" Vertically Mounted Backdraft Damper	937.83	54.32
23 33 13 23-0355	EA	44" x 50" Vertically Mounted Backdraft Damper	861.00	58.47
23 33 13 23-0356	EA	50" x 44" Vertically Mounted Backdraft Damper	873.55	62.73
23 33 13 23-0357	EA	32" x 72" Vertically Mounted Backdraft Damper	918.48	66.87
23 33 13 23-0358	EA	36" x 64" Vertically Mounted Backdraft Damper	931.02	71.01
23 33 13 23-0359	EA	48" x 48" Vertically Mounted Backdraft Damper	943.57	75.15
23 33 13 23-0360	EA	48" x 50" Vertically Mounted Backdraft Damper	986.02	79.41
23 33 13 23-0361	EA	50" x 48" Vertically Mounted Backdraft Damper	998.56	83.56
23 33 13 23-0362	EA	36" x 68" Vertically Mounted Backdraft Damper	1,013.52	83.56
23 33 13 23-0363	EA	50" x 50" Vertically Mounted Backdraft Damper	1,042.26	87.69
23 33 13 23-0364	EA	36" x 72" Vertically Mounted Backdraft Damper	1,070.92	87.69
23 33 13 23-0365		Backdraft Damper Accessories *(23 33 13 23)*		
23 33 13 23-0366	EA	For Motor Pack For Horizontally Mounted Backdraft Damper	279.96	25.56
23 33 13 23-0367	EA	For Motor Pack For Vertically Mounted Backdraft Damper	489.99	25.56
23 33 13 33		**Splitter Damper Hardware** *(23 33 13)*		
23 33 13 33-0001	EA	Splitter Damper, Hardware	45.46	8.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 43		**Blower Check Valve** *(23 33 13)*		
23 33 13 43-0001		Blower Check Valves With Silicone Seals *(23 33 13 43)*		
23 33 13 43-0002	EA	2-1/2" Blower Check Valves, Silicone Seals	304.64	32.36
23 33 13 43-0003	EA	3" Blower Check Valves, Silicone Seals	340.05	36.88
23 33 13 43-0004	EA	4" Blower Check Valves, Silicone Seals	436.55	48.93
23 33 13 43-0005	EA	5" Blower Check Valves, Silicone Seals	604.76	56.46
23 33 13 43-0006	EA	6" Blower Check Valves, Silicone Seals	676.98	67.75
23 33 13 43-0007	EA	8" Blower Check Valves, Silicone Seals	1,011.18	85.81
23 33 13 43-0008		Blower Check Valves With Viton Seats *(23 33 13 43)*		
23 33 13 43-0009	EA	2-1/2" Blower Check Valves, Viton Seats	423.02	32.36
23 33 13 43-0010	EA	3" Blower Check Valves, Viton Seats	480.74	36.88
23 33 13 43-0011	EA	4" Blower Check Valves, Viton Seats	534.51	48.93
23 33 13 43-0012	EA	5" Blower Check Valves, Viton Seats	751.42	56.46
23 33 13 43-0013	EA	6" Blower Check Valves, Viton Seats	838.87	67.75
23 33 13 43-0014	EA	8" Blower Check Valves, Viton Seats	1,297.56	85.81
23 33 19		**Duct Silencers** *(23 33)*		
23 33 19 00-0001		36" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0002	EA	12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	406.14	51.34
23 33 19 00-0003	EA	12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	489.70	58.86
23 33 19 00-0004	EA	12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	641.11	67.63
23 33 19 00-0005	EA	12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	783.87	76.39
23 33 19 00-0006	EA	24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	721.70	76.39
23 33 19 00-0007	EA	24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	932.98	80.15
23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,032.99	85.15
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,135.49	90.17
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,500.06	102.69
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	923.23	85.15
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	1,254.94	102.69
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,250.97	137.75
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,495.00	145.27
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	2,788.28	156.54
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator	3,134.23	170.32
23 33 19 00-0017		60" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	454.06	112.71
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	548.96	130.24
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	720.44	150.27
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	881.05	169.06
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	810.37	169.06
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,052.07	179.07
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,161.42	187.84
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,272.67	197.86
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,689.70	225.41
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,036.70	187.84
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	1,411.16	225.41
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,526.34	296.79
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	2,822.48	321.84
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,140.05	341.87
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator	3,536.79	375.69
23 33 19 00-0033		84" Long Packaged Duct Sound Trap *(23 33 19)*		
23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	391.55	93.92
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	676.71	140.26
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	941.98	205.38
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	533.05	112.71
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	665.36	130.24
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	911.68	150.27
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,082.81	161.55
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,182.40	174.07
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,498.17	187.84
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,777.60	205.38
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,007.79	174.07
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,456.94	181.58
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,593.79	187.84
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	1,738.29	197.86
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,192.16	212.89
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator	2,379.82	225.41
23 33 23		**Turning Vanes** *(23 33)*		
23 33 23 00-0001		Duct Turning Vane Components *(23 33 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 23 00-0002	LF	Duct Turning Vane Rail	14.20	3.13
		For Stainless Steel, Add	*9.25*	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane	14.21	1.25
		For Stainless Steel, Add	*13.93*	

23 33 23 00-0004 Duct Turning Vane Sets *(23 33 23)*

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets	59.19	4.69
		For Stainless Steel, Add	*63.98*	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets	73.71	5.01
		For Stainless Steel, Add	*80.94*	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets	101.07	5.25
		For Stainless Steel, Add	*113.33*	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets	128.48	5.64
		For Stainless Steel, Add	*145.72*	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets	142.41	6.01
		For Stainless Steel, Add	*161.88*	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets	182.44	5.64
		For Stainless Steel, Add	*210.48*	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets	224.22	6.63
		For Stainless Steel, Add	*259.04*	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets	240.79	6.94
		For Stainless Steel, Add	*278.54*	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets	268.99	7.22
		For Stainless Steel, Add	*311.96*	

23 33 33 Duct-Mounting Access Doors *(23 33)*

23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication *(23 33 33)*

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication	100.12	17.54
		For Stainless Steel, Add	*51.92*	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication	106.36	17.54
		For Stainless Steel, Add	*62.84*	
23 33 33 00-0004	EA	12" x 12" Duct Access Doors Insulated Factory Fabrication	109.40	17.54
		For Stainless Steel, Add	*68.16*	
23 33 33 00-0005	EA	12" x 18" Duct Access Doors Insulated Factory Fabrication	141.61	21.29
		For Stainless Steel, Add	*96.11*	
23 33 33 00-0006	EA	16" x 12" Duct Access Doors Insulated Factory Fabrication	142.85	21.29
		For Stainless Steel, Add	*98.28*	
23 33 33 00-0007	EA	18" x 18" Duct Access Doors Insulated Factory Fabrication	177.34	28.80
		For Stainless Steel, Add	*113.10*	
23 33 33 00-0008	EA	24" x 18" Duct Access Doors Insulated Factory Fabrication	210.48	35.06
		For Stainless Steel, Add	*121.80*	
23 33 33 00-0009	EA	24" x 24" Duct Access Doors Insulated Factory Fabrication	273.30	47.58
		For Stainless Steel, Add	*149.56*	

23 33 43 Flexible Connectors *(23 33)*

23 33 43 00-0001	LF	6-1/2" Width, Galvanized Steel, Flexible Duct Connector	15.95	3.75
23 33 43 00-0002	LF	5-3/4" Width, Vinyl/Steel, Flexible Duct Connector	16.40	3.38

23 33 46 Flexible Ducts *(23 33)*

23 33 46 00-0001 Flexible Duct, R8.0 Insulated With Metallized Outer Jacket *(23 33 46)*

Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.

23 33 46 00-0002	LF	4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	9.30	1.25
		For R6.0 Insulated Flexible Duct, Deduct	*-1.02*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.19*	
23 33 46 00-0003	LF	5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	10.24	2.51
		For R6.0 Insulated Flexible Duct, Deduct	*-1.08*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.26*	
23 33 46 00-0004	LF	6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	11.44	2.51
		For R6.0 Insulated Flexible Duct, Deduct	*-1.10*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.29*	
23 33 46 00-0005	LF	7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	13.26	2.51
		For R6.0 Insulated Flexible Duct, Deduct	*-1.24*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.44*	
23 33 46 00-0006	LF	8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	15.43	3.75
		For R6.0 Insulated Flexible Duct, Deduct	*-1.25*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.46*	
23 33 46 00-0007	LF	10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	20.00	3.75
		For R6.0 Insulated Flexible Duct, Deduct	*-1.68*	
		For R4.2 Insulated Flexible Duct, Deduct	*-1.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 46 00-0008	LF	12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	26.69	5.01
		For R6.0 Insulated Flexible Duct, Deduct	*-2.00*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.33*	
23 33 46 00-0009	LF	14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	33.17	5.01
		For R6.0 Insulated Flexible Duct, Deduct	*-2.44*	
		For R4.2 Insulated Flexible Duct, Deduct	*-2.84*	
23 33 46 00-0010	LF	16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	43.15	6.26
		For R6.0 Insulated Flexible Duct, Deduct	*-2.91*	
		For R4.2 Insulated Flexible Duct, Deduct	*-3.40*	
23 33 46 00-0011	LF	18" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	52.72	8.14
		For R6.0 Insulated Flexible Duct, Deduct	*-3.79*	
		For R4.2 Insulated Flexible Duct, Deduct	*-4.42*	
23 33 46 00-0012	LF	20" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket	62.89	8.77
		For R6.0 Insulated Flexible Duct, Deduct	*-5.72*	
		For R4.2 Insulated Flexible Duct, Deduct	*-6.67*	

23 33 46 00-0013 Collars, Sheet Metal Spin-In Type With Damper *(23 33 46)*

23 33 46 00-0014	EA	Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	51.75	7.51
		For Stainless Steel, Add	*28.28*	
23 33 46 00-0015	EA	5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	56.08	8.77
		For Stainless Steel, Add	*28.66*	
23 33 46 00-0016	EA	6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	63.90	8.77
		For Stainless Steel, Add	*31.60*	
23 33 46 00-0017	EA	7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	72.25	11.27
		For Stainless Steel, Add	*32.60*	
23 33 46 00-0018	EA	8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	87.04	13.77
		For Stainless Steel, Add	*36.83*	
23 33 46 00-0019	EA	10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	102.25	16.28
		For Stainless Steel, Add	*45.41*	
23 33 46 00-0020	EA	12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	115.91	18.78
		For Stainless Steel, Add	*48.92*	
23 33 46 00-0021	EA	14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	137.46	21.29
		For Stainless Steel, Add	*61.26*	
23 33 46 00-0022	EA	16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper	149.77	23.80
		For Stainless Steel, Add	*67.02*	

23 33 53 Duct Liners *(23 33)*

23 33 53 00-0001 Fiberglass Duct Liner Board, Rigid, Acoustical Insulation *(23 33 53)*

23 33 53 00-0002	SF	1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	13.28	3.78
23 33 53 00-0003	SF	3/4" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.51	3.78
23 33 53 00-0004	SF	1" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	16.06	5.05
23 33 53 00-0005	SF	1-1/2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	19.61	5.05
23 33 53 00-0006	SF	2" Field Installed, 3 Lb./CF, Fiberglass Duct Liner Board	23.65	5.68
23 33 53 00-0007	SF	1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	11.69	3.75
23 33 53 00-0008	SF	3/4" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	12.79	3.75
23 33 53 00-0009	SF	1" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	14.20	5.01
23 33 53 00-0010	SF	1-1/2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	17.22	5.01
23 33 53 00-0011	SF	2" Shop Installed, 3 Lb./CF, Fiberglass Duct Liner Board	20.86	5.64

23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation *(23 33 53)*

23 33 53 00-0013	SF	1/2", R2, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.17	3.01
23 33 53 00-0014	SF	1", R3.8, 1.5 Lb./CF, T150, Fiberglass Duct Liner Blanket	2.72	3.38
23 33 53 00-0015	SF	1", R4.1, 2 Lb./CF, T200, Fiberglass Duct Liner Blanket	2.99	3.38
23 33 53 00-0016	SF	1", R4.3, 3 Lb./CF, T300, Fiberglass Duct Liner Blanket	3.76	3.38
23 33 53 00-0017	SF	1-1/2", T150, 1.5 Lb./CF, Fiberglass Duct Liner Blanket	3.20	3.75
23 33 53 00-0018	SF	2", R7.7, 1.5 Lb./CF, T150 Fiberglass Duct Liner Blanket	3.39	4.14
23 33 53 00-0019	SF	2", R8, 2 Lb./CF, T200 Fiberglass Duct Liner Blanket	5.06	4.14

23 33 56 Duct Air Extractors *(23 33)*

23 33 56 00-0001	EA	12" x 4" Duct Air Extractor	63.97	20.67
		For Stainless Steel, Add	*27.18*	
23 33 56 00-0002	EA	8" x 6" Duct Air Extractor	67.73	22.54
		For Stainless Steel, Add	*27.18*	
23 33 56 00-0003	EA	12" x 6" Duct Air Extractor	78.92	23.80
		For Stainless Steel, Add	*37.61*	
23 33 56 00-0004	EA	16" x 6" Duct Air Extractor	89.84	25.05
		For Stainless Steel, Add	*47.70*	
23 33 56 00-0005	EA	24" x 6" Duct Air Extractor	120.74	27.55
		For Stainless Steel, Add	*78.77*	
23 33 56 00-0006	EA	12" x 8" Duct Air Extractor	85.22	25.05
		For Stainless Steel, Add	*42.16*	
23 33 56 00-0007	EA	20" x 8" Duct Air Extractor	113.45	31.31
		For Stainless Steel, Add	*61.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 56 00-0008	EA	18" x 10" Duct Air Extractor	121.30	35.69
		For Stainless Steel, Add	*59.90*	
23 33 56 00-0009	EA	24" x 10" Duct Air Extractor	148.62	41.94
		For Stainless Steel, Add	*77.65*	
23 33 56 00-0010	EA	24" x 12" Duct Air Extractor	169.51	50.09
		For Stainless Steel, Add	*83.20*	
23 33 56 00-0011	EA	30" x 12" Duct Air Extractor	212.13	62.61
		For Stainless Steel, Add	*104.28*	

23 33 59 Duct Pressure Relief Doors *(23 33)*

23 33 59 00-0001 Duct Pressure Relief Doors *(23 33 59)*

23 33 59 00-0002	EA	18" x 18" Duct Pressure Relief Door (Ruskin PRD18)	1,280.96	37.57
23 33 59 00-0003	EA	24" x 10" Duct Pressure Relief Door (Ruskin PRD18)	1,052.39	31.31
23 33 59 00-0004	EA	24" x 12" Duct Pressure Relief Door (Ruskin PRD18)	1,042.30	34.44

23 34 HVAC Fans *(23 30)*

23 34 13 Axial HVAC Fans *(23 34)*

23 34 13 00-0001 Tube-Axial Fans *(23 34 13)*

23 34 13 00-0002 Direct Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0003	EA	12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure	1,964.91	384.77
		For 1/4" Static Pressure, Add	*95.57*	
		For 3/8" Static Pressure, Add	*191.14*	
		For 1/2" Static Pressure, Add	*262.81*	
23 34 13 00-0004	EA	12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure	2,050.24	385.92
		For 1/4" Static Pressure, Add	*102.39*	
		For 3/8" Static Pressure, Add	*204.79*	
		For 1/2" Static Pressure, Add	*281.58*	
23 34 13 00-0005	EA	16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure	2,220.90	384.77
		For 1/4" Static Pressure, Add	*116.05*	
		For 3/8" Static Pressure, Add	*232.09*	
		For 1/2" Static Pressure, Add	*319.13*	
23 34 13 00-0006	EA	20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure	2,391.56	385.92
		For 1/4" Static Pressure, Add	*129.70*	
		For 3/8" Static Pressure, Add	*259.40*	
		For 1/2" Static Pressure, Add	*356.68*	
23 34 13 00-0007	EA	22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure	2,801.60	462.19
		For 1/4" Static Pressure, Add	*150.18*	
		For 3/8" Static Pressure, Add	*300.36*	
		For 1/2" Static Pressure, Add	*412.99*	
23 34 13 00-0008	EA	24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure	3,223.30	502.63
		For 1/4" Static Pressure, Add	*177.48*	
		For 3/8" Static Pressure, Add	*354.97*	
		For 1/2" Static Pressure, Add	*488.08*	
23 34 13 00-0009	EA	24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure	3,404.32	550.00
		For 1/4" Static Pressure, Add	*184.31*	
		For 3/8" Static Pressure, Add	*368.62*	
		For 1/2" Static Pressure, Add	*506.85*	
23 34 13 00-0010	EA	30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure	3,885.98	577.73
		For 1/4" Static Pressure, Add	*218.44*	
		For 3/8" Static Pressure, Add	*436.88*	
		For 1/2" Static Pressure, Add	*600.71*	
23 34 13 00-0011	EA	30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure	4,686.82	722.16
		For 1/4" Static Pressure, Add	*259.40*	
		For 3/8" Static Pressure, Add	*518.80*	
		For 1/2" Static Pressure, Add	*713.35*	
23 34 13 00-0012	EA	36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure	5,295.09	770.69
		For 1/4" Static Pressure, Add	*300.36*	
		For 3/8" Static Pressure, Add	*600.72*	
		For 1/2" Static Pressure, Add	*825.98*	
23 34 13 00-0013	EA	36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure	6,214.73	888.55
		For 1/4" Static Pressure, Add	*354.97*	
		For 3/8" Static Pressure, Add	*709.94*	
		For 1/2" Static Pressure, Add	*976.16*	

23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans *(23 34 13 00-0001)*

23 34 13 00-0015	EA	15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure	1,863.06	373.22
		For 1/4" Static Pressure, Add	*89.41*	
		For 3/8" Static Pressure, Add	*178.82*	
		For 1/2" Static Pressure, Add	*245.87*	
23 34 13 00-0016	EA	15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure	1,976.14	385.92
		For 1/4" Static Pressure, Add	*96.47*	
		For 3/8" Static Pressure, Add	*192.93*	
		For 1/2" Static Pressure, Add	*265.28*	
23 34 13 00-0017	EA	18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure	2,041.91	398.63
		For 1/4" Static Pressure, Add	*99.60*	
		For 3/8" Static Pressure, Add	*199.21*	
		For 1/2" Static Pressure, Add	*273.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0018	EA	18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure	2,161.87	412.50
		For 1/4" Static Pressure, Add	*106.92*	
		For 3/8" Static Pressure, Add	*213.85*	
		For 1/2" Static Pressure, Add	*294.04*	
23 34 13 00-0019	EA	18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure	2,440.78	428.67
		For 1/4" Static Pressure, Add	*126.79*	
		For 3/8" Static Pressure, Add	*253.58*	
		For 1/2" Static Pressure, Add	*348.68*	
23 34 13 00-0020	EA	24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure	2,575.01	444.85
		For 1/4" Static Pressure, Add	*134.90*	
		For 3/8" Static Pressure, Add	*269.79*	
		For 1/2" Static Pressure, Add	*370.96*	
23 34 13 00-0021	EA	24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure	2,885.06	462.19
		For 1/4" Static Pressure, Add	*156.86*	
		For 3/8" Static Pressure, Add	*313.71*	
		For 1/2" Static Pressure, Add	*431.35*	
23 34 13 00-0022	EA	24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure	3,259.00	462.19
		For 1/4" Static Pressure, Add	*186.89*	
		For 3/8" Static Pressure, Add	*373.78*	
		For 1/2" Static Pressure, Add	*513.94*	
23 34 13 00-0023	EA	30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure	3,780.66	502.63
		For 1/4" Static Pressure, Add	*222.21*	
		For 3/8" Static Pressure, Add	*444.42*	
		For 1/2" Static Pressure, Add	*611.08*	
23 34 13 00-0024	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure	4,481.54	608.93
		For 1/4" Static Pressure, Add	*261.43*	
		For 3/8" Static Pressure, Add	*522.85*	
		For 1/2" Static Pressure, Add	*718.92*	
23 34 13 00-0025	EA	30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure	5,112.35	608.93
		For 1/4" Static Pressure, Add	*311.48*	
		For 3/8" Static Pressure, Add	*622.96*	
		For 1/2" Static Pressure, Add	*856.57*	
23 34 13 00-0026	EA	36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure	5,631.23	642.44
		For 1/4" Static Pressure, Add	*347.79*	
		For 3/8" Static Pressure, Add	*695.58*	
		For 1/2" Static Pressure, Add	*956.43*	
23 34 13 00-0027	EA	36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	6,153.29	679.41
		For 1/4" Static Pressure, Add	*383.77*	
		For 3/8" Static Pressure, Add	*767.54*	
		For 1/2" Static Pressure, Add	*1,055.37*	
23 34 13 00-0028	EA	36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure	7,000.70	888.55
		For 1/4" Static Pressure, Add	*418.28*	
		For 3/8" Static Pressure, Add	*836.56*	
		For 1/2" Static Pressure, Add	*1,150.27*	
23 34 13 00-0029	EA	36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure	8,001.80	889.70
		For 1/4" Static Pressure, Add	*498.37*	
		For 3/8" Static Pressure, Add	*996.74*	
		For 1/2" Static Pressure, Add	*1,370.52*	
23 34 13 00-0030	EA	42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure	9,034.29	1,050.08
		For 1/4" Static Pressure, Add	*555.29*	
		For 3/8" Static Pressure, Add	*1,110.57*	
		For 1/2" Static Pressure, Add	*1,527.04*	

23 34 16 Centrifugal HVAC Fans *(23 34)*

23 34 16 00-0001 Centrifugal Fans *(23 34 16)*
Note: All belt fans to be supplied with belt guard.

23 34 16 00-0002 Utility Backward Inclined Steel Wheel Centrifugal Fans *(23 34 16 00-0001)*
Note: V-belt driven.

23 34 16 00-0003 Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)*
Note: Under 30" diameter wheel.

23 34 16 00-0004 12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0005	EA	1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan	1,332.24	253.86
23 34 16 00-0006	EA	1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,915.32	263.44
23 34 16 00-0007	EA	1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	1,970.55	209.95
23 34 16 00-0008	EA	1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,057.96	287.71
23 34 16 00-0009	EA	3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,107.96	305.04
23 34 16 00-0010	EA	1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,175.27	317.75
23 34 16 00-0011	EA	1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan	2,242.68	338.55

23 34 16 00-0012 13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

23 34 16 00-0013	EA	1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,209.42	277.31
23 34 16 00-0014	EA	1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,249.14	287.71
23 34 16 00-0015	EA	1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,323.01	305.04
23 34 16 00-0016	EA	3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,366.12	317.75
23 34 16 00-0017	EA	1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,445.94	338.55
23 34 16 00-0018	EA	1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure	2,525.49	354.73

23 34 16 00-0019 15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0020	EA	1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,225.28	287.71
23 34 16 00-0021	EA	1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,275.31	305.04
23 34 16 00-0022	EA	1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,342.26	317.75
23 34 16 00-0023	EA	3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,398.22	338.55
23 34 16 00-0024	EA	1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,469.82	354.73
23 34 16 00-0025	EA	1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,569.76	381.30
23 34 16 00-0026	EA	2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure	2,647.88	400.95
23 34 16 00-0027		16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0028	EA	1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,549.66	305.04
23 34 16 00-0029	EA	1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,641.40	317.75
23 34 16 00-0030	EA	1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,742.69	338.55
23 34 16 00-0031	EA	3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,795.77	354.73
23 34 16 00-0032	EA	1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,865.27	381.30
23 34 16 00-0033	EA	1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	2,924.88	400.95
23 34 16 00-0034	EA	2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure	3,248.72	435.61
23 34 16 00-0035		18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0036	EA	1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,634.51	317.75
23 34 16 00-0037	EA	1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,696.42	338.55
23 34 16 00-0038	EA	1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,779.97	354.73
23 34 16 00-0039	EA	3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,844.13	381.30
23 34 16 00-0040	EA	1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	2,934.17	400.95
23 34 16 00-0041	EA	1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,069.80	435.61
23 34 16 00-0042	EA	2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,157.53	462.19
23 34 16 00-0043	EA	3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure	3,287.88	508.41
23 34 16 00-0044		20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0045	EA	1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,660.65	338.55
23 34 16 00-0046	EA	1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,744.16	354.73
23 34 16 00-0047	EA	1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,844.13	381.30
23 34 16 00-0048	EA	3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	2,934.17	400.95
23 34 16 00-0049	EA	1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,105.58	435.61
23 34 16 00-0050	EA	1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,346.67	462.19
23 34 16 00-0051	EA	2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,513.85	508.41
23 34 16 00-0052	EA	3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure	3,688.16	544.23
23 34 16 00-0053		22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0054	EA	1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,201.43	354.73
23 34 16 00-0055	EA	1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,259.99	381.30
23 34 16 00-0056	EA	1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,341.72	400.95
23 34 16 00-0057	EA	3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,443.55	435.61
23 34 16 00-0058	EA	1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,579.97	462.19
23 34 16 00-0059	EA	1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,623.18	508.41
23 34 16 00-0060	EA	2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,712.01	544.23
23 34 16 00-0061	EA	3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure	3,870.68	610.08
23 34 16 00-0062		24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0063	EA	1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,854.06	381.30
23 34 16 00-0064	EA	1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	3,976.35	435.61
23 34 16 00-0065	EA	3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,099.87	462.19
23 34 16 00-0066	EA	1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,229.55	508.41
23 34 16 00-0067	EA	1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,344.21	544.23
23 34 16 00-0068	EA	2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,443.25	610.08
23 34 16 00-0069	EA	3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,583.27	663.23
23 34 16 00-0070	EA	5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure	4,912.90	762.61
23 34 16 00-0071		27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure *(23 34 16 00-0003)*		
23 34 16 00-0072	EA	1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,272.14	400.95
23 34 16 00-0073	EA	1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,398.09	462.19
23 34 16 00-0074	EA	3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,527.75	508.41
23 34 16 00-0075	EA	1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,642.43	544.23
23 34 16 00-0076	EA	1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,801.10	610.08
23 34 16 00-0077	EA	2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	4,940.76	663.23
23 34 16 00-0078	EA	3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,295.74	762.61
23 34 16 00-0079	EA	5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure	5,339.50	846.95
23 34 16 00-0080		Large Industrial Type Utility Backward Centrifugal Fans *(23 34 16 00-0002)* Note: Over 30" diameter wheel.		
23 34 16 00-0081		30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure *(23 34 16 00-0080)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0082	EA	1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	5,988.99	508.41
23 34 16 00-0083	EA	3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,098.97	544.23
23 34 16 00-0084	EA	1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,268.30	610.08
23 34 16 00-0085	EA	1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,419.88	663.23
23 34 16 00-0086	EA	2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,642.53	762.61
23 34 16 00-0087	EA	3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	6,842.48	846.95
23 34 16 00-0088	EA	5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,170.84	1,016.80
23 34 16 00-0089	EA	7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure	7,473.96	1,172.79
23 34 16 00-0090		**33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0091	EA	1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,028.12	544.23
23 34 16 00-0092	EA	3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,246.43	610.08
23 34 16 00-0093	EA	1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,446.10	663.23
23 34 16 00-0094	EA	1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,716.10	762.61
23 34 16 00-0095	EA	2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	7,963.77	846.95
23 34 16 00-0096	EA	3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,339.82	1,016.80
23 34 16 00-0097	EA	5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	8,762.01	1,172.79
23 34 16 00-0098	EA	7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure	9,348.70	1,525.21
23 34 16 00-0099		**36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure** *(23 34 16 00-0080)*		
23 34 16 00-0100	EA	1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,499.33	610.08
23 34 16 00-0101	EA	3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	7,706.14	663.23
23 34 16 00-0102	EA	1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,369.77	762.61
23 34 16 00-0103	EA	1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	8,815.46	846.95
23 34 16 00-0104	EA	2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,358.80	1,016.80
23 34 16 00-0105	EA	3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	9,773.48	1,172.79
23 34 16 00-0106	EA	5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	10,641.89	1,525.21
23 34 16 00-0107	EA	7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure	11,362.14	1,906.51
23 34 16 00-0108		**Kitchen System Fans** *(23 34 16 00-0001)*		
23 34 16 00-0109		**Upblast Kitchen Exhaust Fans** *(23 34 16 00-0108)*		
23 34 16 00-0110		**Direct Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)*		
		Note: Greenheck CUE.		
23 34 16 00-0111	EA	Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,415.87	150.20
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*174.60*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0112	EA	14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan	1,666.94	150.20
		Note: 115V. For roof or wall installations. Includes disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Backdraft Damper, Add	*174.60*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0113		**Belt Drive Kitchen Upblast Exhaust Fans** *(23 34 16 00-0109)*		
		Note: Greenheck CUBE.		
23 34 16 00-0114	EA	10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,460.01	150.20
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*98.40*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*183.57*	
		For Backdraft Damper, Add	*174.60*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0115	EA	12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,568.97	150.20
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*63.20*	
		For Wall Mounted Fan, Add	*102.76*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*192.83*	
		For Backdraft Damper, Add	*174.60*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0116	EA	14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,194.60	173.32
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*87.78*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*157.08*	
		For Backdraft Damper, Add	*198.28*	
		For Damper Motor, Add	*286.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0117	EA	14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,351.50	173.32
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*94.06*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*170.41*	
		For Backdraft Damper, Add	*198.28*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0118	EA	16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	2,993.30	202.21
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*119.73*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*220.06*	
		For Backdraft Damper, Add	*198.28*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0119	EA	16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,161.10	202.21
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*71.91*	
		For Wall Mounted Fan, Add	*126.44*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*234.32*	
		For Backdraft Damper, Add	*198.28*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0120	EA	18" Diameter Wheel, 1/2 HP , 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,444.94	216.65
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*137.80*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*255.99*	
		For Backdraft Damper, Add	*248.84*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0121	EA	18" Diameter Wheel, 1 HP , 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,706.45	216.65
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*148.26*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*278.22*	
		For Backdraft Damper, Add	*248.84*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0122	EA	20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	3,765.86	231.09
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*150.63*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*280.81*	
		For Backdraft Damper, Add	*248.84*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0123	EA	20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,134.14	231.09
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*119.86*	
		For Wall Mounted Fan, Add	*165.37*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*312.12*	
		For Backdraft Damper, Add	*248.84*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0124	EA	24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan	4,762.86	259.98
		Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*190.51*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*360.65*	
		For Backdraft Damper, Add	*269.55*	
		For Damper Motor, Add	*286.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0125	EA	24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.	5,100.64	259.98
		For Bird Screen, Add	*141.65*	
		For Wall Mounted Fan, Add	*204.03*	
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*389.36*	
		For Backdraft Damper, Add	*269.55*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0126	EA	30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,049.70	288.87
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*241.99*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*465.12*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0127	EA	30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,160.84	288.87
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*246.43*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*474.56*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0128	EA	30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,725.25	288.87
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*269.01*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*522.54*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0129	EA	30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	6,997.65	288.87
		For Bird Screen, Add	*152.54*	
		For Wall Mounted Fan, Add	*279.91*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*545.69*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 16 00-0130	EA	36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	7,705.15	317.75
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*308.21*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*600.92*	
		For Damper Motor, Add	*286.61*	
		For Backdraft Damper, Add	*353.15*	
23 34 16 00-0131	EA	36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.	8,018.41	317.75
		For Bird Screen, Add	*174.34*	
		For Wall Mounted Fan, Add	*320.74*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*627.55*	
		For Damper Motor, Add	*286.61*	
		For Backdraft Damper, Add	*353.15*	
23 34 16 00-0132	EA	42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,084.98	346.64
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*628.30*	
		For Damper Motor, Add	*286.61*	
		For Backdraft Damper, Add	*411.29*	
23 34 16 00-0133	EA	42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan Note: 230/460/60/3. Includes bird screen, heat baffle, grease baffle and disconnect switch.	8,772.73	346.64
		For Bird Screen, Add	*174.34*	
		For Totally Enclosed Motor, Add	*85.00*	
		For Grease Trap Kit, Add	*76.41*	
		For Hinged Curb Kit, Add	*686.76*	
		For Damper Motor, Add	*286.61*	
		For Backdraft Damper, Add	*411.29*	

23 34 16 00-0134 Untempered Kitchen Make-Up Air Fans *(23 34 16 00-0108)*
Note: Roof mounted with downblast discharge, weatherhood and filter.

23 34 16 00-0135 Direct Drive Kitchen Make-Up Air Fans *(23 34 16 00-0134)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0136	EA	7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,647.63	150.20
		For Extended Weatherhood, Add	*277.16*	
23 34 16 00-0137	EA	8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,732.92	150.20
		For Extended Weatherhood, Add	*289.95*	
23 34 16 00-0138	EA	9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,837.59	150.20
		For Extended Weatherhood, Add	*305.65*	
23 34 16 00-0139		**Belt Drive Kitchen Make-Up Air Fans** *(23 34 16 00-0134)*		
23 34 16 00-0140	EA	9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,878.19	150.20
		For Extended Weatherhood, Add	*311.74*	
23 34 16 00-0141	EA	10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,098.47	202.21
		For Extended Weatherhood, Add	*355.21*	
23 34 16 00-0142	EA	12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,532.43	231.09
		For Extended Weatherhood, Add	*426.08*	
23 34 16 00-0143	EA	15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,931.27	288.87
		For Extended Weatherhood, Add	*497.46*	
23 34 16 00-0144	EA	18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,547.97	346.64
		For Extended Weatherhood, Add	*601.52*	
23 34 16 00-0145		**Replacement Parts** *(23 34 16 00-0001)*		
23 34 16 00-0146		**Replace Belts And Accessories** *(23 34 16 00-0145)*		
23 34 16 00-0147	EA	Fan Shaft Bearing, Replacement	907.48	404.13
23 34 16 00-0148	EA	Fan Belt, Replacement	149.38	54.81
23 34 16 00-0149		**Corrosive Fume Resistant Plastic** *(23 34 16 00-0001)*		
23 34 16 00-0150		**Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure** *(23 34 16 00-0149)*		
23 34 16 00-0151	EA	250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	6,497.30	208.51
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0152	EA	895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	7,055.00	250.46
		For Explosion Proof Motor, Add	*983.11*	
23 34 16 00-0153	EA	1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,364.70	313.07
		For Explosion Proof Motor, Add	*1,160.78*	
23 34 16 00-0154	EA	2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	8,968.74	417.64
		For Explosion Proof Motor, Add	*1,220.01*	
23 34 16 00-0155	EA	3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	10,254.29	626.14
		For Explosion Proof Motor, Add	*1,350.30*	
23 34 16 00-0156	EA	11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	17,665.85	1,252.29
		For Explosion Proof Motor, Add	*2,274.19*	
23 34 16 00-0157	EA	18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic	25,769.38	1,790.15
		For Explosion Proof Motor, Add	*3,328.37*	
23 34 16 00-0158		**Utility Set, Centrifugal, Belt Drive** *(23 34 16 00-0149)*		
23 34 16 00-0159	EA	1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,497.30	208.51
		For Explosion Proof Motor, Add	*912.05*	
23 34 16 00-0160	EA	1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,660.17	250.46
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0161	EA	1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,785.40	313.07
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0162	EA	2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	6,994.62	417.64
		For Explosion Proof Motor, Add	*923.89*	
23 34 16 00-0163	EA	3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,622.57	626.14
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0164	EA	4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	9,935.65	782.69
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0165	EA	4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,161.55	895.64
		For Explosion Proof Motor, Add	*1,255.54*	
23 34 16 00-0166	EA	6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,406.65	939.22
		For Explosion Proof Motor, Add	*1,279.23*	
23 34 16 00-0167	EA	7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic	10,694.33	1,043.53
		For Explosion Proof Motor, Add	*1,291.08*	
23 34 16 00-0168		**In-Line Duct Fans** *(23 34 16 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0169		**Direct Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck SQ.		
23 34 16 00-0170	EA	Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan	1,700.94	150.20
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0171	EA	13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan	2,180.21	161.77
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0172	EA	14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan	2,391.62	173.32
		Note: 115V. Includes disconnect switch.		
23 34 16 00-0173		**Belt Drive In-Line Duct Fans** *(23 34 16 00-0168)*		
		Note: Greenheck BSQ.		
23 34 16 00-0174	EA	Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,500.54	173.32
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0175	EA	13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan	2,873.30	202.21
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0176	EA	13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan	3,236.82	202.21
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0177	EA	13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,545.87	202.21
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0178	EA	16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan	3,446.17	231.09
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0179	EA	16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan	3,969.55	231.09
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0180	EA	24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan	5,052.50	288.87
		Note: 115/208-230/60/1. Includes disconnect switch.		
		For 3 Phase Motor, Deduct	*-50.00*	
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0181	EA	24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	5,341.42	288.87
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0182	EA	24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	5,545.09	288.87
		Note: Belt drive. 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0183	EA	30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan	6,410.29	346.64
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0184	EA	30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan	6,653.38	346.64
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0185	EA	30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan	6,952.12	346.64
		Note: 230/460/60/3. Includes disconnect switch.		
		For Totally Enclosed Motor, Add	*85.00*	
23 34 16 00-0186		**In-Line Cabinet Fans** *(23 34 16 00-0001)*		
23 34 16 00-0187	EA	77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	530.78	101.10
23 34 16 00-0188	EA	91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	530.78	101.10
23 34 16 00-0189	EA	82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	604.38	106.88
23 34 16 00-0190	EA	281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	670.48	106.88
23 34 16 00-0191	EA	190 CFM, 115 Volt, Direct Drive Cabinet Fan	851.04	106.88
23 34 16 00-0192	EA	217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	699.99	106.88
23 34 16 00-0193	EA	325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	803.75	106.88
23 34 16 00-0194	EA	250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan	1,536.12	106.88
23 34 16 00-0195	EA	419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	947.54	112.65
23 34 16 00-0196	EA	334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	963.82	112.65
23 34 16 00-0197	EA	350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan	1,598.56	112.65
23 34 16 00-0198	EA	527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	963.82	112.65
23 34 16 00-0199	EA	631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,304.57	112.65
23 34 16 00-0200	EA	752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,304.57	112.65
23 34 16 00-0201	EA	1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan	1,304.57	112.65
23 34 16 00-0202	EA	999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan	1,418.50	112.65
23 34 16 00-0203		**Propeller And Ceiling Fans** *(23 34 16)*		
23 34 16 00-0204		**Direct Drive, Sidewall Propeller Exhaust Fan** *(23 34 16 00-0203)*		
		Note: Greenheck SE1.		
23 34 16 00-0205	EA	1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	745.15	123.63
		Note: Includes motor side guard.		
		For Backdraft Damper, Add	*204.83*	
		For Wall Mount Collar, Add	*294.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0206	EA	1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	788.13	137.50
		For Backdraft Damper, Add	*219.57*	
		For Wall Mount Collar, Add	*294.75*	
23 34 16 00-0207	EA	1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan Note: Includes motor side guard.	872.65	152.52
		For Backdraft Damper, Add	*240.28*	
		For Wall Mount Collar, Add	*302.44*	
23 34 16 00-0208	EA	1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,285.35	168.69
		For Backdraft Damper, Add	*287.84*	
		For Wall Mount Collar, Add	*307.96*	
		For Motor Side Guard, Add	*255.62*	
23 34 16 00-0209	EA	1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,072.71	187.18
		For Backdraft Damper, Add	*287.84*	
		For Wall Mount Collar, Add	*315.66*	
		For Motor Side Guard, Add	*272.03*	
23 34 16 00-0210	EA	1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,204.92	207.99
		For Backdraft Damper, Add	*350.35*	
		For Wall Mount Collar, Add	*323.34*	
		For Motor Side Guard, Add	*288.45*	
23 34 16 00-0211	EA	1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan	1,373.01	231.09
		For Backdraft Damper, Add	*350.35*	
		For Wall Mount Collar, Add	*328.85*	
		For Motor Side Guard, Add	*311.39*	
23 34 16 00-0212		**Belt Drive Propeller Exhaust Fans** *(23 34 16 00-0203)* Note: Wall shutter 1/8" static pressure, with bird screen.		
23 34 16 00-0213	EA	24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter	2,559.30	330.46
23 34 16 00-0214	EA	30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter	2,930.35	384.77
23 34 16 00-0215	EA	36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter	3,321.24	462.19
23 34 16 00-0216	EA	42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter	4,631.97	577.73
23 34 16 00-0217	EA	48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter	5,516.50	770.69
23 34 16 00-0218	EA	54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter	7,652.48	1,155.46
23 34 16 00-0219	EA	60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter	9,174.36	1,481.30
23 34 16 00-0220		**Propeller Exhaust Fan Accessories** *(23 34 16 00-0203)*		
23 34 16 00-0221	SF	Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening)	131.18	
23 34 16 00-0222	SF	Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening)	302.76	
23 34 16 00-0223		**Reversible Ceiling Fans** *(23 34 16 00-0203)*		
23 34 16 00-0224		**4 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0225	EA	42" 4-Blade Ceiling Fan, Three Speed	561.21	50.61
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.84*	
23 34 16 00-0226		**5 Blade Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0227	EA	42" 5-Blade Ceiling Fan, Three Speed	615.81	125.25
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*25.89*	
23 34 16 00-0228	EA	52" 5-Blade Ceiling Fan, Three Speed	704.54	125.25
		For Brass Plated Motor, Add	*20.25*	
		For Light Kit, Add	*26.00*	
23 34 16 00-0229		**3 Blade Weatherproof Ceiling Fans** *(23 34 16 00-0223)*		
23 34 16 00-0230	EA	3-Blade Ceiling Fan, Weatherproof, Three Speed	615.01	57.20
23 34 16 00-0231		**Ceiling Fan Down Rod** *(23 34 16 00-0223)*		
23 34 16 00-0232	EA	1' Ceiling Fan Down Rod	21.56	
23 34 16 00-0233	EA	1-1/2' Ceiling Fan Down Rod	29.24	
23 34 16 00-0234	EA	2' Ceiling Fan Down Rod	33.08	
23 34 16 00-0235	EA	3' Ceiling Fan Down Rod	45.44	
23 34 16 00-0236	EA	4' Ceiling Fan Down Rod	53.31	
23 34 16 00-0237	EA	5' Ceiling Fan Down Rod	66.10	
23 34 16 00-0238	EA	6' Ceiling Fan Down Rod	83.39	
23 34 16 00-0239		**Exhaust Fans** *(23 34 16)*		
23 34 16 00-0240		**Exhaust Fans** *(23 34 16 00-0239)* Note: Excludes ducting.		
23 34 16 00-0241		**Light Duty Exhaust Fans** *(23 34 16 00-0240)*		
23 34 16 00-0242		**Light Duty Exhaust Fans** *(23 34 16 00-0241)*		
23 34 16 00-0243	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670)	136.88	40.90
23 34 16 00-0244	EA	70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671)	146.09	40.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0245	EA	180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505)	256.55	40.90
23 34 16 00-0246	EA	350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504)	330.42	40.90
23 34 16 00-0247	EA	160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503)	292.92	40.90
23 34 16 00-0248	EA	270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502)	397.81	40.90
23 34 16 00-0249		**Light Duty Exhaust Fans With Lights** *(23 34 16 00-0241)*		
23 34 16 00-0250	EA	50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678)	186.10	40.90
23 34 16 00-0251	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679)	209.15	40.90
23 34 16 00-0252	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680)	411.89	40.90
23 34 16 00-0253		**Light Duty Exhaust Fans With Heaters** *(23 34 16 00-0241)*		
23 34 16 00-0254	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162)	191.09	40.90
23 34 16 00-0255	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658)	317.50	40.90
23 34 16 00-0256		**Light Duty Exhaust Fans With Heaters And Lights** *(23 34 16 00-0241)*		
23 34 16 00-0257	EA	70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655)	339.41	40.90
23 34 16 00-0258	EA	100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL)	527.56	40.90
23 34 16 00-0259		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0240)*		
23 34 16 00-0260		**Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0259)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0261	EA	50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50)	225.90	40.90
23 34 16 00-0262	EA	80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80)	252.32	40.90
23 34 16 00-0263	EA	109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG)	480.99	40.90
23 34 16 00-0264	EA	157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG)	493.24	40.90
23 34 16 00-0265	EA	210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG)	531.35	40.90
23 34 16 00-0266	EA	259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG)	555.70	40.90
23 34 16 00-0267	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG)	565.13	40.90
23 34 16 00-0268	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400)	650.20	40.90
23 34 16 00-0269	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500)	744.03	40.90
23 34 16 00-0270	EA	701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700)	797.47	40.90
23 34 16 00-0271	EA	901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900)	953.60	40.90
23 34 16 00-0272	EA	1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500)	1,231.72	40.90
23 34 16 00-0273		**Heavy-Duty/Continuous Operation Kitchen Exhaust Fans** *(23 34 16 00-0259)*		
		Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0274	EA	308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG)	500.37	40.90
23 34 16 00-0275	EA	434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K)	737.01	40.90
23 34 16 00-0276	EA	514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy-Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K)	780.84	40.90
23 34 16 00-0277		**Heavy-Duty/Continuous Operation Exhaust Fans With Lights** *(23 34 16 00-0259)*		
23 34 16 00-0278	EA	50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L)	247.54	40.90
23 34 16 00-0279	EA	80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy-Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L)	272.35	40.90
23 34 16 00-0280		**Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fans** *(23 34 16 00-0259)*		
23 34 16 00-0281	EA	50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF)	258.43	40.90
23 34 16 00-0282	EA	80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF)	274.86	40.90
23 34 16 00-0283	EA	110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy-Duty/Continuous Operation Exhaust Fan (Broan® 110RDF)	282.79	40.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0284		**Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans** *(23 34 16 00-0240)*		
23 34 16 00-0285	EA	900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900)	1,323.97	40.90
23 34 16 00-0286	EA	1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050)	1,323.97	40.90
23 34 16 00-0287	EA	1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410)	1,323.97	40.90
23 34 16 00-0288	EA	1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550)	1,455.19	40.90
23 34 16 00-0289		**Room-To-Room Exhaust Fans** *(23 34 16 00-0240)*		
23 34 16 00-0290	EA	90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512)	179.89	40.90
23 34 16 00-0291	EA	180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511)	314.06	40.90
23 34 16 00-0292	EA	380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510)	362.95	40.90
23 34 16 00-0293		**Through-Wall Exhaust Fans** *(23 34 16 00-0240)*		
23 34 16 00-0294	EA	250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507)	337.39	40.90
23 34 16 00-0295	EA	470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506)	404.78	40.90
23 34 16 00-0296	EA	180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509)	291.06	40.90
23 34 16 00-0297	EA	270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508)	397.81	40.90
23 34 16 00-0298	EA	360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C)	713.82	40.90
23 34 16 00-0299		**Exhaust Fan Accessories** *(23 34 16 00-0240)*		
23 34 16 00-0300		**Exhaust Fan Controls** *(23 34 16 00-0299)*		
23 34 16 00-0301	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57)	183.57	25.56
23 34 16 00-0302	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59)	123.97	25.56
23 34 16 00-0303	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61)	125.38	25.56
23 34 16 00-0304		**Roof And Wall Caps For Exhaust Fans** *(23 34 16 00-0299)*		
23 34 16 00-0305		**Wall Caps For Exhaust Fans** *(23 34 16 00-0304)*		
23 34 16 00-0306	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613)	309.56	62.73
23 34 16 00-0307	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643)	314.26	62.73
23 34 16 00-0308		**Roof Caps For Exhaust Fans** *(23 34 16 00-0304)*		
		Note: Includes flashing and built in bird screen.		
23 34 16 00-0309	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611)	261.14	62.73
23 34 16 00-0310	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612)	382.99	62.73
23 34 16 00-0311	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636)	167.47	62.73
23 34 16 00-0312	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634)	204.02	62.73
23 34 16 00-0313		**Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan** *(23 34 16 00-0240)*		
		Note: Includes storage and cleaning.		
23 34 16 00-0314	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan	86.65	
23 34 23		**HVAC Power Ventilators** *(23 34)*		
23 34 23 00-0001		**Power Roof Ventilators** *(23 34 23)*		
23 34 23 00-0002		**Direct Drive, Aluminum, Centrifugal Roof Exhausters** *(23 34 23 00-0001)*		
		Note: Greenheck G.		
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	649.79	165.23
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*224.50*	
		For Backdraft Damper, Add	*162.85*	
		For Solid State Speed Control, Add	*118.13*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	711.11	187.18
		Note: Three speed motor.		
		For 12" Roof Curb, Add	*224.50*	
		For Backdraft Damper, Add	*162.85*	
		For Solid State Speed Control, Add	*118.13*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,017.23	218.38
		For 12" Roof Curb, Add	*231.04*	
		For Backdraft Damper, Add	*174.60*	
		For Solid State Speed Control, Add	*118.13*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,048.15	246.11
		For 12" Roof Curb, Add	*231.04*	
		For Backdraft Damper, Add	*174.60*	
		For Solid State Speed Control, Add	*118.13*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,346.37	271.53
		For Solid State Speed Control, Add	*118.13*	
		For Damper Motor, Add	*286.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster	1,526.94	288.87
		For 12" Roof Curb, Add	*241.93*	
		For Backdraft Damper, Add	*198.28*	
		For Solid State Speed Control, Add	*185.69*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0009		**Belt Drive, Aluminum, Centrifugal Roof Exhausters** *(23 34 23 00-0001)*		
		Note: Greenheck GB.		
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,499.14	294.17
		For 12" Roof Curb, Add	*231.04*	
		For Backdraft Damper, Add	*174.60*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	1,635.38	312.28
		For 12" Roof Curb, Add	*241.93*	
		For Backdraft Damper, Add	*198.28*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,217.15	373.22
		For 12" Roof Curb, Add	*241.93*	
		For Backdraft Damper, Add	*198.28*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	2,828.81	462.19
		For 12" Roof Curb, Add	*294.23*	
		For Backdraft Damper, Add	*248.84*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	3,733.26	577.73
		For 12" Roof Curb, Add	*318.21*	
		For Backdraft Damper, Add	*269.55*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0015	EA	1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,066.41	722.16
		For 12" Roof Curb, Add	*355.25*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0016	EA	2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,118.71	722.16
		For 12" Roof Curb, Add	*355.25*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0017	EA	3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	6,683.13	722.16
		For 12" Roof Curb, Add	*355.25*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0018	EA	5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster	5,395.39	722.16
		For 12" Roof Curb, Add	*355.25*	
		For Backdraft Damper, Add	*299.21*	
		For Damper Motor, Add	*286.61*	
23 34 23 00-0019		**Propeller Exhaust Fans, Roof Mounted Upblast** *(23 34 23 00-0001)*		
		Note: Includes back draft damper and bird screen and curb.		
23 34 23 00-0020	EA	30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure	8,722.23	888.55
23 34 23 00-0021	EA	36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure	14,357.80	1,155.12
23 34 23 00-0022		**Belt Drive Supply Fans** *(23 34 23 00-0001)*		
23 34 23 00-0023	EA	4,500 CFM, 24" x 24" Supply Fan, Roof Mounted	3,422.87	461.38
23 34 23 00-0024	EA	10,000 CFM, 36" x 36" Supply Fan, Roof Mounted	4,635.86	577.62
23 34 23 00-0025		**Fan Thermostat** *(23 34 23 00-0001)*		
23 34 23 00-0026	EA	50 To 120 Degree Line Voltage Fan Thermostat	138.98	
23 34 23 00-0027		**Power Wall Ventilators** *(23 34 23)*		
23 34 23 00-0028		**Centrifugal Sidewall Exhausters** *(23 34 23 00-0027)*		
23 34 23 00-0029		**Direct Drive, Aluminum, Centrifugal Sidewall Exhauster** *(23 34 23 00-0028)*		
		Note: Greenheck CW.		
23 34 23 00-0030	EA	1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	852.36	186.02
		For Solid State Speed Control, Add	*185.69*	
		For Backdraft Damper, Add	*228.92*	
		For Damper Motor, Add	*496.64*	
		For Interior Wall Grill, Add	*142.30*	
23 34 23 00-0031	EA	1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	978.14	218.38
		For Solid State Speed Control, Add	*185.69*	
		For Backdraft Damper, Add	*252.60*	
		For Damper Motor, Add	*496.64*	
		For Interior Wall Grill, Add	*169.61*	
23 34 23 00-0032	EA	1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster	1,461.87	246.11
		For Solid State Speed Control, Add	*185.69*	
		For Backdraft Damper, Add	*285.25*	
		For Damper Motor, Add	*496.64*	
		For Interior Wall Grill, Add	*196.92*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0033		Belt Drive, Aluminum, Centrifugal Sidewall Exhausters *(23 34 23 00-0028)*		
		Note: Greenheck CWB.		
23 34 23 00-0034	EA	1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,664.23	139.00
		For Solid State Speed Control, Add	*185.69*	
		For Backdraft Damper, Add	*262.93*	
		For Damper Motor, Add	*496.64*	
		For Interior Wall Grill, Add	*300.50*	
23 34 23 00-0035	EA	1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	2,812.61	156.54
		For Solid State Speed Control, Add	*185.69*	
		For Backdraft Damper, Add	*262.93*	
		For Damper Motor, Add	*496.64*	
		For Interior Wall Grill, Add	*300.50*	
23 34 23 00-0036	EA	3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster	3,456.98	179.07
		For Solid State Speed Control, Add	*185.69*	
		For Backdraft Damper, Add	*330.61*	
		For Damper Motor, Add	*496.64*	
		For Interior Wall Grill, Add	*349.59*	
23 34 33		**Air Curtains** *(23 34)*		
23 34 33 00-0001		Unheated Air Curtains For Entrances *(23 34 33)*		
23 34 33 00-0002		Unheated Air Curtains, Standard Velocity *(23 34 33 00-0001)*		
23 34 33 00-0003	EA	Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated	2,528.16	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0004	EA	Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated	2,564.76	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0005	EA	Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated	2,604.40	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0006	EA	Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated	3,260.11	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0007	EA	Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated	3,693.78	1,016.80
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0008	EA	Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated	3,922.51	1,016.80
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0009	EA	Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated	4,342.51	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0010	EA	Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated	5,255.93	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0011	EA	Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated	5,371.82	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0012	EA	Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated	5,679.85	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add	*566.42*	
		For Commercial Magnetic Reed Switch with Controller · 115, 208-230 Volt 1Ø	*420.77*	
		For Door Limit switch with Controller and Adjustable Time Delay · 115, 208-230 Volt, 1Ø, Add	*647.33*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 33 00-0013 Unheated Air Curtains, High Velocity *(23 34 33 00-0001)*

23 34 33 00-0014	EA	High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated	3,135.07	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0015	EA	High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated	3,182.34	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0016	EA	High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated	3,202.16	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0017	EA	High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated	3,240.29	846.95
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0018	EA	High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated	5,084.49	1,016.80
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0019	EA	High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated	5,319.32	1,016.80
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0020	EA	High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated	5,652.40	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0021	EA	High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated	6,465.17	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0022	EA	High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated	6,550.57	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0023	EA	High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated	6,883.00	1,172.79
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Industrial Floor-Mounted Magnetic Reed Switch Only, Add	*355.45*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0024		**Service Window Unheated Air Curtains** *(23 34 33 00-0001)*		
		Note: Normal window sizes.		
23 34 33 00-0025	EA	Air Curtain For 2.5' x 5' Service Window, Unheated	2,238.70	667.86
		Note: Includes housing, mounting brackets and manual controls.		
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0026		**Heated Air Curtains For Entrances** *(23 34 33)*		
		Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA	60" Heated Air Curtain With 1- 300 MBH Heater	4,300.81	745.85
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0028	EA	60" Heated Air Curtain With 1- 400 MBH Heater	4,675.31	745.85
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0029	EA	72" Heated Air Curtain With 1- 350 MBH Heater	5,160.24	894.91
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0030	EA	72" Heated Air Curtain With 2- 250 MBH Heaters	5,609.64	894.91
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0031	EA	96" Heated Air Curtain With 1- 400 MBH Heater	6,879.33	1,193.01
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0032	EA	96" Heated Air Curtain With 2- 350 MBH Heaters	7,478.53	1,193.01
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0033	EA	117" Heated Air Curtain With 2- 300 MBH Heaters	8,383.14	1,453.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0034	EA	117" Heated Air Curtain With 2- 400 MBH Heaters	9,113.41	1,453.57
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0035	EA	147" Heated Air Curtain With 2- 350 MBH Heaters	10,533.31	1,826.20
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0036	EA	147" Heated Air Curtain With 3- 350 MBH Heaters	12,349.63	1,826.20
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0037	EA	168" Heated Air Curtain With 2- 400 MBH Heaters	12,038.83	2,087.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0038	EA	168" Heated Air Curtain With 3- 400 MBH Heaters	14,114.18	2,087.34
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0039	EA	192" Heated Air Curtain With 2- 400 MBH Heaters	13,754.73	2,385.44
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	
23 34 33 00-0040	EA	192" Heated Air Curtain With 4- 350 MBH Heaters	16,126.56	2,385.44
		For Door Limit Switch, Combination Roller And Plunger, Add	*208.07*	
		For Flat Side Extension Plates, Add	*177.73*	
		For Clearance Adjustable-Angle Mounting Bracket, Add	*355.45*	
		For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*426.54*	
		For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	*450.24*	

23 34 39 High-Volume, Low-Speed Propeller Fans *(23 34)*

Note: (Air Destratification Fans)

23 34 39 00-0001 Variable Speed Ceiling Fans (Big Ass Fans® Basic 6®) *(23 34 39)*

23 34 39 00-0002	EA	8' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 8')	9,956.24	924.37
23 34 39 00-0003	EA	10' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 10')	10,166.05	982.14
23 34 39 00-0004	EA	12' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 12')	10,375.87	1,039.91
23 34 39 00-0005	EA	14' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 14')	10,569.97	1,097.69
23 34 39 00-0006	EA	16' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 16')	10,779.80	1,155.46
23 34 39 00-0007	EA	18' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 18')	10,989.62	1,213.23
23 34 39 00-0008	EA	20' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 20')	11,199.43	1,271.00
23 34 39 00-0009	EA	24' Diameter, 6 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Basic 6®, 24')	11,393.54	1,328.78

23 34 39 00-0010 Variable Speed Ceiling Fans (Big Ass Fans® Powerfoil® 8) *(23 34 39)*

23 34 39 00-0011	EA	8' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-08)	11,606.02	924.37
23 34 39 00-0012	EA	10' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-10)	11,902.25	982.14
23 34 39 00-0013	EA	12' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-12)	12,198.49	1,039.91
23 34 39 00-0014	EA	14' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-14)	12,494.72	1,097.69
23 34 39 00-0015	EA	16' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-16)	12,798.81	1,155.46
23 34 39 00-0016	EA	18' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-18)	13,095.05	1,213.23
23 34 39 00-0017	EA	20' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-20)	13,391.28	1,271.00
23 34 39 00-0018	EA	24' Diameter, 8 Airfoil Blades, Variable Speed Ceiling Fan With Controller (Big Ass Fans® Powerfoil® 8, PF8-24)	13,671.81	1,328.78

23 35 Special Exhaust Systems *(23 30)*

See CSI section 23 31 13 16-0075 for spiral duct/piping.

23 35 13 Dust Collection Systems *(23 35)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13		**Sawdust Collection Systems** *(23 35 13)*		
23 35 13 13-0001		Dust Collector System *(23 35 13 13)*		
23 35 13 13-0002	EA	1.5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	4,639.45	1,001.84
23 35 13 13-0003	EA	2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	5,197.23	1,189.68
23 35 13 13-0004	EA	2-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	6,247.45	1,377.52
23 35 13 13-0005	EA	3 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 35 gallon fiber drum dust bin.	7,122.38	1,627.98
23 35 13 13-0006	EA	5 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	15,098.85	1,851.70
23 35 13 13-0007	EA	7-1/2 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	18,323.22	2,160.32
23 35 13 13-0008	EA	10 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and 55 gallon fiber drum dust bin.	20,988.91	2,468.94
23 35 13 13-0009	EA	15 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	23,597.48	2,839.27
23 35 13 13-0010	EA	20 HP Dust Collector Central Vacuum Unit Note: Includes fan bower, stand, cyclone, filter, silencer and two 55 gallon fiber drum dust bin.	26,329.15	3,209.61
23 35 13 13-0011		Vacuum Tubing And Accessories *(23 35 13 13)*		
23 35 13 13-0012		Vacuum Tubing *(23 35 13 13-0011)*		
23 35 13 13-0013		Flexible Hose *(23 35 13 13-0012)*		
23 35 13 13-0014	LF	2" Flexible Hose	13.16	2.08
23 35 13 13-0015	LF	3" Flexible Hose	15.77	2.31
23 35 13 13-0016	LF	4" Flexible Hose	17.12	2.54
23 35 13 13-0017		Galvanized Vacuum Tubing *(23 35 13 13-0012)*		
23 35 13 13-0018	LF	2-1/8" Outside Diameter Vacuum Tubing, Galvanized	11.28	2.08
23 35 13 13-0019	LF	2-1/2" Outside Diameter Vacuum Tubing, Galvanized	12.65	2.20
23 35 13 13-0020	LF	3" Outside Diameter Vacuum Tubing, Galvanized	15.08	2.31
23 35 13 13-0021	LF	3-1/2" Outside Diameter Vacuum Tubing, Galvanized	19.69	2.43
23 35 13 13-0022	LF	4" Outside Diameter Vacuum Tubing, Galvanized	20.25	2.54
23 35 13 13-0023	LF	5" Outside Diameter Vacuum Tubing, Galvanized	33.63	2.89
23 35 13 13-0024	LF	6" Outside Diameter Vacuum Tubing, Galvanized	37.90	3.35
23 35 13 13-0025	LF	8" Outside Diameter Vacuum Tubing, Galvanized	51.26	4.62
23 35 13 13-0026	LF	10" Outside Diameter Vacuum Tubing, Galvanized	60.01	5.78
23 35 13 13-0027	LF	12" Outside Diameter Vacuum Tubing, Galvanized	150.16	7.62
23 35 13 13-0028		Vacuum Fittings, Galvanized *(23 35 13 13-0011)*		
23 35 13 13-0029		90 Degree Elbow *(23 35 13 13-0028)*		
23 35 13 13-0030	EA	2-1/8" 90 Degree Elbow, Vacuum Tubing, Galvanized	56.43	13.29
23 35 13 13-0031	EA	2-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	69.97	14.21
23 35 13 13-0032	EA	3" 90 Degree Elbow, Vacuum Tubing, Galvanized	87.40	15.49
23 35 13 13-0033	EA	3-1/2" 90 Degree Elbow, Vacuum Tubing, Galvanized	103.23	16.76
23 35 13 13-0034	EA	4" 90 Degree Elbow, Vacuum Tubing, Galvanized	123.09	18.49
23 35 13 13-0035	EA	5" 90 Degree Elbow, Vacuum Tubing, Galvanized	204.21	20.56
23 35 13 13-0036	EA	6" 90 Degree Elbow, Vacuum Tubing, Galvanized	271.36	23.11
23 35 13 13-0037	EA	8" 90 Degree Elbow, Vacuum Tubing, Galvanized	487.81	30.85
23 35 13 13-0038		45 Degree Elbow *(23 35 13 13-0028)*		
23 35 13 13-0039	EA	2-1/8" 45 Degree Elbow, Vacuum Tubing, Galvanized	52.80	13.29
23 35 13 13-0040	EA	2-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	66.98	14.21
23 35 13 13-0041	EA	3" 45 Degree Elbow, Vacuum Tubing, Galvanized	77.37	15.49
23 35 13 13-0042	EA	3-1/2" 45 Degree Elbow, Vacuum Tubing, Galvanized	91.90	16.76
23 35 13 13-0043	EA	4" 45 Degree Elbow, Vacuum Tubing, Galvanized	112.63	18.49
23 35 13 13-0044	EA	5" 45 Degree Elbow, Vacuum Tubing, Galvanized	167.90	20.56
23 35 13 13-0045	EA	6" 45 Degree Elbow, Vacuum Tubing, Galvanized	217.96	23.11
23 35 13 13-0046	EA	8" 45 Degree Elbow, Vacuum Tubing, Galvanized	398.09	30.85
23 35 13 13-0047		Wye *(23 35 13 13-0028)*		
23 35 13 13-0048	EA	2-1/8" Wye, Vacuum Tubing, Galvanized	102.50	21.95
23 35 13 13-0049	EA	2-1/2" Wye, Vacuum Tubing, Galvanized	123.25	23.68
23 35 13 13-0050	EA	3" Wye, Vacuum Tubing, Galvanized	150.54	25.42
23 35 13 13-0051	EA	3-1/2" Wye, Vacuum Tubing, Galvanized	183.08	28.31
23 35 13 13-0052	EA	4" Wye, Vacuum Tubing, Galvanized	244.28	30.62
23 35 13 13-0053	EA	5" Wye, Vacuum Tubing, Galvanized	413.64	34.09
23 35 13 13-0054	EA	6" Wye, Vacuum Tubing, Galvanized	548.41	38.71
23 35 13 13-0055	EA	8" Wye, Vacuum Tubing, Galvanized	1,085.24	42.17
23 35 13 13-0056	EA	10" Wye, Vacuum Tubing, Galvanized	1,503.56	46.22
23 35 13 13-0057	EA	12" Wye, Vacuum Tubing, Galvanized	1,899.77	51.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 13 13-0058		Reducer *(23 35 13 13-0028)*		
23 35 13 13-0059	EA	3" Reducer, Vacuum Tubing, Galvanized	58.13	15.49
23 35 13 13-0060	EA	4" Reducer, Vacuum Tubing, Galvanized	64.66	16.76
23 35 13 13-0061	EA	5" Reducer, Vacuum Tubing, Galvanized	81.84	18.49
23 35 13 13-0062	EA	6" Reducer, Vacuum Tubing, Galvanized	88.25	20.56
23 35 13 13-0063	EA	8" Reducer, Vacuum Tubing, Galvanized	103.30	23.11
23 35 13 13-0064		Air Gate Valve, Galvanized *(23 35 13 13-0011)*		
23 35 13 13-0065	EA	2-1/8" Air Gate Valve, Vacuum Tubing, Galvanized	406.80	30.85
23 35 13 13-0066	EA	2-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	426.08	32.93
23 35 13 13-0067	EA	3" Air Gate Valve, Vacuum Tubing, Galvanized	489.61	35.48
23 35 13 13-0068	EA	3-1/2" Air Gate Valve, Vacuum Tubing, Galvanized	558.04	37.90
23 35 13 13-0069	EA	4" Air Gate Valve, Vacuum Tubing, Galvanized	629.19	40.21
23 35 13 13-0070	EA	5" Air Gate Valve, Vacuum Tubing, Galvanized	743.09	45.87
23 35 13 13-0071	EA	6" Air Gate Valve, Vacuum Tubing, Galvanized	856.01	51.42
23 35 16		**Engine Exhaust Systems** *(23 35)*		
23 35 16 16		**Mechanical Engine Exhaust Systems** *(23 35 16)*		
23 35 16 16-0001		Overhead Tailpipe Exhaust System *(23 35 16 16)*		
23 35 16 16-0002		Overhead Tailpipe Exhaust Blowers *(23 35 16 16-0001)*		
23 35 16 16-0003		Overhead Direct Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0004	EA	495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	3,844.22	246.11
23 35 16 16-0005	EA	1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	4,417.39	502.63
23 35 16 16-0006	EA	1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System	6,161.42	608.93
23 35 16 16-0007		Overhead Belt Drive Tailpipe Exhaust Blowers *(23 35 16 16-0002)*		
23 35 16 16-0008	EA	1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,292.92	502.63
23 35 16 16-0009	EA	2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	4,562.58	608.93
23 35 16 16-0010	EA	2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	5,427.38	963.65
23 35 16 16-0011	EA	4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	6,632.77	1,243.28
23 35 16 16-0012	EA	7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System	8,395.17	1,481.30
23 35 16 16-0013		Spiral Exhaust Duct Accessories *(23 35 16 16-0001)*		
23 35 16 16-0014		Flex Hose x Length *(23 35 16 16-0013)*		
		Note: Includes duct coupler, damper and tailpipe adapter.		
23 35 16 16-0015	EA	3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	186.47	61.24
23 35 16 16-0016	EA	3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	156.86	61.24
23 35 16 16-0017	EA	4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	285.16	97.06
23 35 16 16-0018	EA	4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	235.68	97.06
23 35 16 16-0019	EA	5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	399.78	153.68
23 35 16 16-0020	EA	5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	382.07	153.68
23 35 16 16-0021	EA	6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	608.35	243.81
23 35 16 16-0022	EA	6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	571.11	243.81
23 35 16 16-0023		Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter *(23 35 16 16-0013)*		
23 35 16 16-0024	EA	4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	210.08	61.24
23 35 16 16-0025	EA	5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	302.40	97.06
23 35 16 16-0026	EA	4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	175.98	61.24
23 35 16 16-0027	EA	5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	251.80	97.06
23 35 16 16-0028	EA	6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter	1,765.31	82.50
23 35 16 16-0029	EA	8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,521.21	151.36
23 35 16 16-0030	EA	10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter	1,681.56	151.36
23 35 16 16-0031	LF	8" Heat-Resistant Fabric Flex Hose (650 Degree F.)	80.10	11.78
23 35 16 16-0032	LF	10" Heat-Resistant Fabric Flex Hose (650 Degree F.)	89.95	11.78
23 35 16 16-0033		Flexible Hose *(23 35 16 16-0013)*		
23 35 16 16-0034	LF	3" Stainless Steel Flexible Tubing	25.93	2.89
23 35 16 16-0035	LF	4" Stainless Steel Flexible Tubing	32.60	3.23
23 35 16 16-0036	LF	5" Stainless Steel Flexible Tubing	38.41	3.35
23 35 16 16-0037	LF	6" Stainless Steel Flexible Tubing	45.00	3.58
23 35 16 16-0038	LF	3" Galvanized Flexible Tubing	23.08	2.89
23 35 16 16-0039	LF	4" Galvanized Flexible Tubing	27.08	3.23
23 35 16 16-0040	LF	5" Galvanized Flexible Tubing	31.06	3.35
23 35 16 16-0041	LF	6" Galvanized Flexible Tubing	34.65	3.58
23 35 16 16-0042		Accessories *(23 35 16 16-0001)*		
23 35 16 16-0043	EA	3" Tail Pipe Adapter	66.27	8.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 35 16 16-0044	EA	4" Tail Pipe Adapter	68.23	8.67
23 35 16 16-0045	EA	5" Tail Pipe Adapter	72.51	9.82
23 35 16 16-0046	EA	3" Bullnose (Guide)	36.56	5.78
23 35 16 16-0047	EA	4" Bullnose (Guide)	38.81	6.35
23 35 16 16-0048	EA	5" Bullnose (Guide)	41.39	6.93
23 35 16 16-0049	EA	Flex-Hose Winch And Associated Hardware	262.76	65.52
23 35 16 16-0050	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope	0.16	

23 35 19 Fume Exhaust Systems *(23 35)*

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle	2,671.78	461.83
23 35 19 00-0002	EA	Hose Extension Kit 5'	427.26	102.60

23 36 Air Terminal Units *(23 30)*

23 36 13 Constant-Air-Volume Units *(23 36)*

23 36 13 00-0001 Vertical Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils	1,859.07	159.83
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils	2,238.97	172.12
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils	2,389.36	178.28
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils	2,552.04	190.57
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils	2,881.10	196.71

23 36 13 00-0007 Horizontal Units, With Electric Heating Coils *(23 36 13)*

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils	1,574.95	159.83
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils	1,883.66	172.12
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils	2,250.61	181.35

23 36 13 00-0011 Duct Boxes, Constant Volume Control *(23 36 13)*

23 36 13 00-0012 Single Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control	1,544.07	47.58
		For Boxes With Motor, Add	*271.25*	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control	1,709.39	51.34
		For Boxes With Motor, Add	*300.89*	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control	1,774.33	56.35
		For Boxes With Motor, Add	*309.78*	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control	1,805.95	58.86
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control	1,830.24	65.12
		For Boxes With Motor, Add	*314.23*	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control	2,093.65	72.63
		For Boxes With Motor, Add	*360.18*	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control	2,194.28	81.40
		For Boxes With Motor, Add	*373.52*	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control	2,323.59	97.68
		For Boxes With Motor, Add	*386.99*	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control	2,451.82	112.71
		For Boxes With Motor, Add	*400.20*	

23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control *(23 36 13 00-0011)*

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control	2,182.09	47.58
		For Boxes With Motor, Add	*398.85*	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control	2,333.82	51.34
		For Boxes With Motor, Add	*425.78*	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control	2,434.24	56.35
		For Boxes With Motor, Add	*441.77*	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control	2,536.19	58.86
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control	2,560.48	65.12
		For Boxes With Motor, Add	*460.28*	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control	2,943.34	73.89
		For Boxes With Motor, Add	*530.12*	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control	3,216.91	81.40
		For Boxes With Motor, Add	*578.08*	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control	3,459.96	97.68
		For Boxes With Motor, Add	*614.26*	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control	3,606.28	112.71
		For Boxes With Motor, Add	*631.09*	

23 36 16 Variable-Air-Volume Units *(23 36)*

23 36 16 00-0001 Variable Volume Terminal Unit *(23 36 16)*

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

23 36 16 00-0002 Single Duct Variable Volume Terminal Unit *(23 36 16 00-0001)*

Note: Enclosure only. For mounting DDC controls.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	652.78	57.60
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0004	EA	8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	729.90	65.12
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0005	EA	10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	811.97	72.63
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0006	EA	12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	864.71	81.40
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0007	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,195.05	175.20
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0008	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only Note: For mounting DDC controls	1,428.07	207.89
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0009		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)* Note: With pneumatic controls.		
23 36 16 00-0010	EA	6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller	1,398.20	57.60
		For Fan Powered Variable Air Volume Box, Add	*1,503.42*	
		For Hot Water Coils, Add	*474.68*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0011	EA	8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller	1,510.30	65.12
		For Fan Powered Variable Air Volume Box, Add	*1,609.87*	
		For Hot Water Coils, Add	*507.41*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0012	EA	10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller	1,578.91	72.63
		For Fan Powered Variable Air Volume Box, Add	*1,659.53*	
		For Hot Water Coils, Add	*521.60*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0013	EA	12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller	1,645.10	81.40
		For Fan Powered Variable Air Volume Box, Add	*1,705.88*	
		For Hot Water Coils, Add	*534.69*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0014	EA	14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller	1,902.79	175.20
		For Fan Powered Variable Air Volume Box, Add	*1,913.14*	
		For Hot Water Coils, Add	*595.80*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0015	EA	16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller	2,195.01	207.89
		For Fan Powered Variable Air Volume Box, Add	*2,071.60*	
		For Hot Water Coils, Add	*636.18*	
		For Pressure Independent Actuator, Add	*67.57*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0016		**Single Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)* Note: With analog electronic controls.		
23 36 16 00-0017	EA	6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls	2,326.60	57.60
		For Hot Water Coils, Add	*851.14*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0018	EA	8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls	2,417.17	65.12
		For Hot Water Coils, Add	*875.15*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0019	EA	10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls	2,499.24	72.63
		For Hot Water Coils, Add	*894.79*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0020	EA	12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,616.56	81.40
		For Hot Water Coils, Add	*928.62*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0021	EA	14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,876.94	175.20
		For Hot Water Coils, Add	*990.82*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0022	EA	16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls	2,930.76	175.20
		For Hot Water Coils, Add	*1,012.64*	
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0023		**Dual Duct Variable Volume Terminal Unit** *(23 36 16 00-0001)* Note: With flow control installation, plenum system power box, thermostat.		
23 36 16 00-0024	EA	6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct	1,586.69	113.83
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0025	EA	8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct	1,733.85	129.62
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0026	EA	10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct	1,854.26	146.39
		For Filters And Frames, Add	*6.30*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0027	EA	12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct	2,032.77	163.30
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0028	EA	14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct	2,284.20	187.84
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0029	EA	16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct	2,503.92	225.41
		For Filters And Frames, Add	*6.30*	

23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M) *(23 36 16 00-0001)*

23 36 16 00-0031	EA	0 To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	628.36	78.27
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0032	EA	0 To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	681.74	86.10
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0033	EA	0 To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	736.66	93.92
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0034	EA	0 To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	793.23	101.75
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0035	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	851.59	109.57
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0036	EA	0 To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	911.82	117.41
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0037	EA	0 To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	979.28	125.23
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0038	EA	0 To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,044.07	133.06
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0039	EA	0 To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,111.22	140.88
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0040	EA	0 To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,180.85	148.71
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0041	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,253.19	156.54
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0042	EA	0 To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,328.38	164.37
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0043	EA	0 To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,406.67	172.19
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0044	EA	0 To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,481.11	180.02
		For Filters And Frames, Add	*6.30*	
23 36 16 00-0045	EA	0 To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,565.69	187.84
		For Filters And Frames, Add	*6.30*	

23 37 Air Outlets and Inlets *(23 30)*

23 37 13 Diffusers, Registers, and Grilles *(23 37)*

23 37 13 13 Diffusers, Registers, and Grilles *(23 37 13)*

23 37 13 13-0001 Ceiling Diffusers *(23 37 13 13)*

23 37 13 13-0002 Ceiling Diffusers With Perforated Face *(23 37 13 13-0001)*

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	131.95	16.28
		For Steel Construction, Deduct	*-10.13*	
		For Surface Mount, Deduct	*-8.10*	
		For Diffuser Without Damper, Deduct	*-13.51*	
		For Stainless Steel, Add	*151.97*	
23 37 13 13-0004	EA	8" x 8" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	146.96	16.28
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0005	EA	9" x 9" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	146.96	16.28
		For Steel Construction, Deduct	*-12.38*	
		For Surface Mount, Deduct	*-9.91*	
		For Diffuser Without Damper, Deduct	*-16.51*	
		For Stainless Steel, Add	*185.74*	
23 37 13 13-0006	EA	10" x 10" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	176.53	20.03
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0007	EA	12" x 12" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	176.53	18.78
		For Steel Construction, Deduct	*-14.82*	
		For Surface Mount, Deduct	*-11.86*	
		For Diffuser Without Damper, Deduct	*-19.76*	
		For Stainless Steel, Add	*222.32*	
23 37 13 13-0008	EA	16" x 16" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	204.05	18.78
		For Steel Construction, Deduct	*-18.95*	
		For Surface Mount, Deduct	*-15.16*	
		For Diffuser Without Damper, Deduct	*-25.27*	
		For Stainless Steel, Add	*284.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0009	EA	18" x 18" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	233.42	25.05
		For Steel Construction, Deduct	*-20.37*	
		For Surface Mount, Deduct	*-16.30*	
		For Diffuser Without Damper, Deduct	*-27.17*	
		For Stainless Steel, Add	*305.62*	
23 37 13 13-0010	EA	20" x 20" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	272.07	26.29
		For Steel Construction, Deduct	*-25.44*	
		For Surface Mount, Deduct	*-20.35*	
		For Diffuser Without Damper, Deduct	*-33.92*	
		For Stainless Steel, Add	*381.62*	
23 37 13 13-0011	EA	24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	307.89	30.06
		For Steel Construction, Deduct	*-28.29*	
		For Surface Mount, Deduct	*-22.63*	
		For Lay-In Mount, Deduct	*-22.63*	
		For Diffuser Without Damper, Deduct	*-37.72*	
		For Stainless Steel, Add	*424.40*	

23 37 13 13-0012 Ceiling Diffusers With Louver Face *(23 37 13 13-0001)*

Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.

23 37 13 13-0013	EA	6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	136.96	16.28
		For Steel Construction, Deduct	*-10.88*	
		For Flush Mount, Add	*10.88*	
		For Stainless Steel, Add	*163.24*	
23 37 13 13-0014	EA	8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	156.47	16.28
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0015	EA	9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	156.47	16.28
		For Steel Construction, Deduct	*-13.81*	
		For Flush Mount, Add	*13.81*	
		For Stainless Steel, Add	*207.14*	
23 37 13 13-0016	EA	10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	187.79	18.78
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0017	EA	12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	187.79	20.03
		For Steel Construction, Deduct	*-16.51*	
		For Flush Mount, Add	*16.51*	
		For Stainless Steel, Add	*247.66*	
23 37 13 13-0018	EA	24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	242.10	25.05
		For Steel Construction, Deduct	*-21.61*	
		For Flush Mount, Add	*21.61*	
		For Stainless Steel, Add	*324.20*	
23 37 13 13-0019	EA	14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	215.58	25.05
		For Steel Construction, Deduct	*-17.64*	
		For Flush Mount, Add	*17.64*	
		For Stainless Steel, Add	*264.53*	
23 37 13 13-0020	EA	18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	269.47	30.06
		For Steel Construction, Deduct	*-22.63*	
		For Flush Mount, Add	*22.63*	
		For Stainless Steel, Add	*339.39*	
23 37 13 13-0021	EA	21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	312.71	33.81
		For Steel Construction, Deduct	*-28.14*	
		For Flush Mount, Add	*28.14*	
		For Stainless Steel, Add	*422.15*	
23 37 13 13-0022	EA	24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper	341.98	66.25
		For Steel Construction, Deduct	*-31.41*	
		For Flush Mount, Add	*31.41*	
		For Lay-In Mount, Add	*41.88*	
		For Stainless Steel, Add	*471.11*	

23 37 13 13-0023 Round Ceiling Diffusers With Fixed Pattern *(23 37 13 13-0001)*

Note: Aluminum construction.

23 37 13 13-0024	EA	6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	226.79	16.28
		For Steel Construction, Deduct	*-48.71*	
		For Stainless Steel, Add	*365.36*	
23 37 13 13-0025	EA	8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	235.12	16.28
		For Steel Construction, Deduct	*-51.21*	
		For Stainless Steel, Add	*384.10*	
23 37 13 13-0026	EA	10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	265.08	20.03
		For Steel Construction, Deduct	*-56.21*	
		For Stainless Steel, Add	*421.56*	
23 37 13 13-0027	EA	12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	285.90	18.78
		For Steel Construction, Deduct	*-62.45*	
		For Stainless Steel, Add	*468.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0028	EA	14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	410.76	22.54
		For Steel Construction, Deduct	*-96.18*	
		For Stainless Steel, Add	*721.33*	
23 37 13 13-0029	EA	16" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	433.25	23.80
		For Steel Construction, Deduct	*-101.80*	
		For Stainless Steel, Add	*763.49*	
23 37 13 13-0030	EA	18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	456.07	25.05
		For Steel Construction, Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0031	EA	20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	528.07	25.05
		For Steel Construction, Deduct	*-127.68*	
		For Stainless Steel, Add	*957.62*	
23 37 13 13-0032	EA	24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	630.84	28.80
		For Steel Construction, Deduct	*-155.44*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0033	EA	28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	710.78	30.06
		For Steel Construction, Deduct	*-177.65*	
		For Stainless Steel, Add	*1,332.34*	
23 37 13 13-0034	EA	32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction	849.66	33.81
		For Steel Construction, Deduct	*-215.12*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0035		**Round Ceiling Diffusers With Adjustable Pattern Dropped Style** *(23 37 13 13-0001)*		
		Note: Aluminum construction.		
23 37 13 13-0036	EA	6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	239.28	16.28
		For Steel Construction, Deduct	*-17.49*	
		For Flush Mount, Deduct	*-8.74*	
		For Stainless Steel, Add	*393.46*	
23 37 13 13-0037	EA	8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	260.79	16.28
		For Steel Construction, Deduct	*-19.64*	
		For Flush Mount, Deduct	*-9.82*	
		For Stainless Steel, Add	*441.86*	
23 37 13 13-0038	EA	10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	295.15	20.03
		For Steel Construction, Deduct	*-21.74*	
		For Flush Mount, Deduct	*-10.87*	
		For Stainless Steel, Add	*489.22*	
23 37 13 13-0039	EA	12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	319.21	20.03
		For Steel Construction, Deduct	*-24.15*	
		For Flush Mount, Deduct	*-12.07*	
		For Stainless Steel, Add	*543.35*	
23 37 13 13-0040	EA	14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	464.89	22.54
		For Steel Construction, Deduct	*-37.47*	
		For Flush Mount, Deduct	*-18.74*	
		For Stainless Steel, Add	*843.12*	
23 37 13 13-0041	EA	16" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	409.78	23.80
		For Steel Construction, Deduct	*-40.04*	
		For Flush Mount, Deduct	*-20.02*	
		For Stainless Steel, Add	*900.88*	
23 37 13 13-0042	EA	18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	524.08	25.05
		For Steel Construction, Deduct	*-42.61*	
		For Flush Mount, Deduct	*-21.30*	
		For Stainless Steel, Add	*958.66*	
23 37 13 13-0043	EA	20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	609.03	26.29
		For Steel Construction, Deduct	*-50.66*	
		For Flush Mount, Deduct	*-25.33*	
		For Stainless Steel, Add	*1,139.78*	
23 37 13 13-0044	EA	24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	688.21	28.80
		For Steel Construction, Deduct	*-57.55*	
		For Flush Mount, Deduct	*-28.78*	
		For Stainless Steel, Add	*1,294.88*	
23 37 13 13-0045	EA	28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	835.69	30.06
		For Steel Construction, Deduct	*-71.71*	
		For Flush Mount, Deduct	*-35.85*	
		For Stainless Steel, Add	*1,613.39*	
23 37 13 13-0046	EA	32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,007.41	33.81
		For Steel Construction, Deduct	*-87.48*	
		For Flush Mount, Deduct	*-43.74*	
		For Stainless Steel, Add	*1,968.32*	
23 37 13 13-0047	EA	36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction	1,116.55	70.51
		For Stainless Steel, Add	*2,195.26*	
23 37 13 13-0048		**Linear Type Ceiling Diffusers With 2-Way Air Deflection** *(23 37 13 13-0001)*		
23 37 13 13-0049	LF	4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection	180.21	18.78
		For Stainless Steel, Add	*236.41*	
23 37 13 13-0050	LF	6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection	194.50	18.78
		For Stainless Steel, Add	*268.56*	
23 37 13 13-0051	LF	9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection	212.07	18.78
		For Stainless Steel, Add	*308.09*	
23 37 13 13-0052	LF	12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection	229.19	18.78
		For Stainless Steel, Add	*346.61*	
23 37 13 13-0053		**Drum Louver Diffusers, Drop Box** *(23 37 13 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0054		**Drum Louver Diffusers, Four Way Drop Box** *(23 37 13 13-0053)*		
23 37 13 13-0055	EA	20" Square x 11-1/2" Depth, 16" Square Top Opening, 1,000 To 2,000 CFM, Four Way, Galvanized Drum Louver Drop Box	1,357.82	109.95
		Note: Includes 2" thick R-8 insulation and four 12" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0056	EA	26" Square x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Four Way, Galvanized Drum Louver Drop Box	1,472.67	126.10
		Note: Includes 2" thick R-8 insulation and four 18" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0057	EA	32" Square x 11-1/2" Depth, 26" Square Top Opening, 2,400 To 4,400 CFM, Four Way, Galvanized Drum Louver Drop Box	1,681.95	153.28
		Note: Includes 2" thick R-8 insulation and four 24" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0058	EA	30" Square x 15" Depth, 22" Square Top Opening, 3,400 To 6,000 CFM, Four Way, Galvanized Drum Louver Drop Box	1,776.12	171.56
		Note: Includes 2" thick R-8 insulation and four 20" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0059	EA	35" Square x 15" Depth, 27" Square Top Opening, 4,000 To 7,600 CFM, Four Way, Galvanized Drum Louver Drop Box	1,892.73	186.34
		Note: Includes 2" thick R-8 insulation and four 25" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0060	EA	40" Square x 15" Depth, 32" Square Top Opening, 5,000 To 9,000 CFM, Four Way, Galvanized Drum Louver Drop Box	2,277.74	209.01
		Note: Includes 2" thick R-8 insulation and four 30" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0061	EA	40" Square x 17" Depth, 32" Square Top Opening, 6,000 To 11,000 CFM, Four Way, Galvanized Drum Louver Drop Box	2,579.13	231.80
		Note: Includes 2" thick R-8 insulation and four 30" x 12" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0062	EA	47" Square x 17" Depth, 37" Square Top Opening, 7,000 To 13,000 CFM, Four Way, Galvanized Drum Louver Drop Box	3,027.40	280.77
		Note: Includes 2" thick R-8 insulation and four 35" x 12" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0063	EA	47" Square x 20" Depth, 37" Square Top Opening, 8,700 To 16,000 CFM, Four Way, Galvanized Drum Louver Drop Box	3,165.53	281.76
		Note: Includes 2" thick R-8 insulation and four 35" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0064	EA	52" Square x 20" Depth, 42" Square Top Opening, 10,000 To 18,000 CFM, Four Way, Galvanized Drum Louver Drop Box	3,647.12	308.56
		Note: Includes 2" thick R-8 insulation and four 40" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0065	EA	62" Square x 20" Depth, 50" Square Top Opening, 12,500 To 23,000 CFM, Four Way, Galvanized Drum Louver Drop Box	4,585.24	342.37
		Note: Includes 2" thick R-8 insulation and four 50" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0066		**Drum Louver Diffusers, Six Way Drop Box** *(23 37 13 13-0053)*		
23 37 13 13-0067	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,000 To 2,000 CFM, Six Way, Galvanized Drum Louver Drop Box	2,167.47	139.63
		Note: Includes 2" thick R-8 insulation and six 9" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0068	EA	41.25" x 35.72" x 11-1/2" Depth, 20" Square Top Opening, 1,800 To 3,300 CFM, Six Way, Galvanized Drum Louver Drop Box	2,304.03	165.05
		Note: Includes 2" thick R-8 insulation and six 12" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0069	EA	53.25" x 46.12" x 11" Depth, 24" Square Top Opening, 2,700 To 5,000 CFM, Six Way, Galvanized Drum Louver Drop Box	2,573.13	189.10
		Note: Includes 2" thick R-8 insulation and six 18" x 6" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0070	EA	57.25" x 49.58" x 15" Depth, 28" Square Top Opening, 5,000 To 9,000 CFM, Six Way, Galvanized Drum Louver Drop Box	3,223.08	257.34
		Note: Includes 2" thick R-8 insulation and six 20" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0071	EA	67.25" x 58.25" x 15" Depth, 33" Square Top Opening, 6,200 To 11,400 CFM, Six Way, Galvanized Drum Louver Drop Box	3,715.22	279.39
		Note: Includes 2" thick R-8 insulation and six 25" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0072	EA	77.25" x 66.90" x 15" Depth, 38" Square Top Opening, 7,500 To 13,500 CFM, Six Way, Galvanized Drum Louver Drop Box	4,628.45	313.57
		Note: Includes 2" thick R-8 insulation and six 30" x 10" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0073	EA	77.25" x 66.90" x 20" Depth, 38" Square Top Opening, 11,250 To 18,750 CFM, Six Way, Galvanized Drum Louver Drop Box	5,969.92	382.45
		Note: Includes 2" thick R-8 insulation and six 30" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0074	EA	87.25" x 75.56" x 20" Depth, 40" Square Top Opening, 13,100 To 24,000 CFM, Six Way, Galvanized Drum Louver Drop Box	6,941.12	422.65
		Note: Includes 2" thick R-8 insulation and six 35" x 15" aluminum drum louvers and duct cap on bottom.		
23 37 13 13-0075		**Wall And Floor Diffusers** *(23 37 13 13)*		
23 37 13 13-0076		**Slot Type Linear Diffusers** *(23 37 13 13-0075)*		
		Note: For sidewall sill or ceiling 1/2" 3/4/" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0077	LF	1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling	61.00	6.26
		For 3/4" Border, Add	*8.68*	
		For Floor Mounted Diffusers, Add	*10.41*	
		For Stainless Steel, Add	*41.64*	
23 37 13 13-0078	LF	2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling	75.05	7.51
		For 3/4" Border, Add	*11.57*	
		For Floor Mounted Diffusers, Add	*13.88*	
		For Stainless Steel, Add	*55.51*	
23 37 13 13-0079	LF	3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling	105.44	8.77
		For 3/4" Border, Add	*18.22*	
		For Floor Mounted Diffusers, Add	*21.86*	
		For Stainless Steel, Add	*87.43*	
23 37 13 13-0080	LF	4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling	140.39	8.77
		For 3/4" Border, Add	*26.02*	
		For Floor Mounted Diffusers, Add	*31.23*	
		For Stainless Steel, Add	*124.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0081	LF	5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling	176.68	10.02
		For 3/4" Border, Add	*33.83*	
		For Floor Mounted Diffusers, Add	*40.60*	
		For Stainless Steel, Add	*162.38*	
23 37 13 13-0082	LF	6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling	207.15	12.52
		For 3/4" Border, Add	*39.90*	
		For Floor Mounted Diffusers, Add	*47.88*	
		For Stainless Steel, Add	*191.52*	
23 37 13 13-0083		Linear Bar Grilles And Registers *(23 37 13 13-0075)*		
		Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.		
23 37 13 13-0084	LF	2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling	196.49	7.51
		For Floor Mount, Add	*16.77*	
		For Opposed Blade Damper, Add	*33.54*	
		For Stainless Steel, Add	*201.24*	
23 37 13 13-0085	LF	3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling	234.97	8.77
		For Floor Mount, Add	*20.24*	
		For Opposed Blade Damper, Add	*40.48*	
		For Stainless Steel, Add	*242.87*	
23 37 13 13-0086	LF	4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling	256.04	8.77
		For Floor Mount, Add	*21.97*	
		For Opposed Blade Damper, Add	*43.95*	
		For Stainless Steel, Add	*263.69*	
23 37 13 13-0087	LF	6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling	313.55	12.52
		For Floor Mount, Add	*26.60*	
		For Opposed Blade Damper, Add	*53.20*	
		For Stainless Steel, Add	*319.20*	
23 37 13 13-0088	LF	9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling	433.94	16.28
		For Floor Mount, Add	*37.01*	
		For Opposed Blade Damper, Add	*74.02*	
		For Stainless Steel, Add	*444.11*	
23 37 13 13-0089	LF	12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling	499.86	18.78
		For Floor Mount, Add	*42.21*	
		For Opposed Blade Damper, Add	*84.43*	
		For Stainless Steel, Add	*506.57*	
23 37 13 13-0090		Return/Exhaust Registers And Grilles *(23 37 13 13)*		
23 37 13 13-0091		Return/Exhaust Registers With Frame *(23 37 13 13-0090)*		
		Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.		
23 37 13 13-0092	EA	8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	131.97	10.02
		For Steel Construction, Deduct	*-18.62*	
		For Grilles (No Damper), Deduct	*-37.24*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*9.31*	
		For Cube Core Lay In, Add	*18.62*	
		For Stainless Steel, Add	*209.48*	
23 37 13 13-0093	EA	8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	152.21	10.02
		For Steel Construction, Deduct	*-22.67*	
		For Grilles (No Damper), Deduct	*-45.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.33*	
		For Cube Core Lay In, Add	*22.67*	
		For Stainless Steel, Add	*255.02*	
23 37 13 13-0094	EA	10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	170.56	11.27
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0095	EA	10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	177.90	12.52
		For Steel Construction, Deduct	*-25.10*	
		For Grilles (No Damper), Deduct	*-50.19*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*12.55*	
		For Cube Core Lay In, Add	*25.10*	
		For Stainless Steel, Add	*282.33*	
23 37 13 13-0096	EA	12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	169.81	12.52
		For Steel Construction, Deduct	*-23.48*	
		For Grilles (No Damper), Deduct	*-46.96*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*11.74*	
		For Cube Core Lay In, Add	*23.48*	
		For Stainless Steel, Add	*264.13*	
23 37 13 13-0097	EA	12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	218.23	16.28
		For Steel Construction, Deduct	*-30.76*	
		For Grilles (No Damper), Deduct	*-61.53*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*15.38*	
		For Cube Core Lay In, Add	*30.76*	
		For Stainless Steel, Add	*346.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0098	EA	16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	261.38	18.78
		For Steel Construction, Deduct	*-36.73*	
		For Grilles (No Damper), Deduct	*-73.46*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*18.37*	
		For Cube Core Lay In, Add	*36.73*	
		For Stainless Steel, Add	*413.24*	
23 37 13 13-0099	EA	18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	320.89	22.54
		For Steel Construction, Deduct	*-46.14*	
		For Grilles (No Damper), Deduct	*-92.29*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.07*	
		For Cube Core Lay In, Add	*46.14*	
		For Stainless Steel, Add	*519.12*	
23 37 13 13-0100	EA	20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	377.41	25.05
		For Steel Construction, Deduct	*-55.88*	
		For Grilles (No Damper), Deduct	*-111.76*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*27.94*	
		For Cube Core Lay In, Add	*55.88*	
		For Stainless Steel, Add	*628.65*	
23 37 13 13-0101	EA	24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	336.16	25.05
		For Steel Construction, Deduct	*-46.74*	
		For Grilles (No Damper), Deduct	*-93.48*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*23.37*	
		For Cube Core Lay In, Add	*46.74*	
		For Stainless Steel, Add	*525.83*	
23 37 13 13-0102	EA	24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	385.80	25.05
		For Steel Construction, Deduct	*-56.67*	
		For Grilles (No Damper), Deduct	*-113.34*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.33*	
		For Cube Core Lay In, Add	*56.67*	
		For Stainless Steel, Add	*637.52*	
23 37 13 13-0103	EA	24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	406.39	28.80
		For Steel Construction, Deduct	*-58.74*	
		For Grilles (No Damper), Deduct	*-117.47*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*29.37*	
		For Cube Core Lay In, Add	*58.74*	
		For Stainless Steel, Add	*660.78*	
23 37 13 13-0104	EA	30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	430.74	30.06
		For Steel Construction, Deduct	*-62.42*	
		For Grilles (No Damper), Deduct	*-124.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*31.21*	
		For Cube Core Lay In, Add	*62.42*	
		For Stainless Steel, Add	*702.25*	
23 37 13 13-0105	EA	30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	496.89	33.81
		For Steel Construction, Deduct	*-72.86*	
		For Grilles (No Damper), Deduct	*-145.72*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*36.43*	
		For Cube Core Lay In, Add	*72.86*	
		For Stainless Steel, Add	*819.65*	
23 37 13 13-0106	EA	30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	555.25	40.08
		For Steel Construction, Deduct	*-78.85*	
		For Grilles (No Damper), Deduct	*-157.70*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*39.42*	
		For Cube Core Lay In, Add	*78.85*	
		For Stainless Steel, Add	*887.04*	
23 37 13 13-0107	EA	30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	726.65	40.08
		For Steel Construction, Deduct	*-113.13*	
		For Grilles (No Damper), Deduct	*-226.26*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*56.56*	
		For Cube Core Lay In, Add	*113.13*	
		For Stainless Steel, Add	*1,272.69*	
23 37 13 13-0108	EA	36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	599.29	43.83
		For Steel Construction, Deduct	*-85.18*	
		For Grilles (No Damper), Deduct	*-170.36*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*42.59*	
		For Cube Core Lay In, Add	*85.18*	
		For Stainless Steel, Add	*958.25*	
23 37 13 13-0109	EA	36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	583.01	42.58
		For Steel Construction, Deduct	*-81.92*	
		For Grilles (No Damper), Deduct	*-163.84*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*40.96*	
		For Cube Core Lay In, Add	*81.92*	
		For Stainless Steel, Add	*921.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0110	EA	36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	664.87	47.58
		For Steel Construction, Deduct	*-95.41*	
		For Grilles (No Damper), Deduct	*-190.81*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*47.70*	
		For Cube Core Lay In, Add	*95.41*	
		For Stainless Steel, Add	*1,073.32*	
23 37 13 13-0111	EA	36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	906.99	51.34
		For Steel Construction, Deduct	*-140.41*	
		For Grilles (No Damper), Deduct	*-280.82*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*70.21*	
		For Cube Core Lay In, Add	*140.41*	
		For Stainless Steel, Add	*1,579.64*	
23 37 13 13-0112	EA	24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	399.62	28.93
		For Steel Construction, Deduct	*-56.81*	
		For Grilles (No Damper), Deduct	*-113.62*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*28.41*	
		For Cube Core Lay In, Add	*56.81*	
		For Stainless Steel, Add	*639.11*	
23 37 13 13-0113	EA	32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	692.28	43.35
		For Steel Construction, Deduct	*-103.78*	
		For Grilles (No Damper), Deduct	*-207.55*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*51.89*	
		For Cube Core Lay In, Add	*103.78*	
		For Stainless Steel, Add	*1,167.48*	
23 37 13 13-0114	EA	48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	801.08	51.34
		For Steel Construction, Deduct	*-119.08*	
		For Grilles (No Damper), Deduct	*-238.16*	
		For Removable Core, Add	*35.00*	
		For Cube Core With Frame, Add	*59.54*	
		For Cube Core Lay In, Add	*119.08*	
		For Stainless Steel, Add	*1,339.67*	

23 37 13 13-0115 Return/Exhaust Registers Removable-Reversible *(23 37 13 13-0090)*

Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.

23 37 13 13-0116	EA	8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	121.45	10.02
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0117	EA	8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	121.45	10.02
		For Steel Construction, Deduct	*-8.26*	
		For Flat Frame, Deduct	*-0.83*	
		For Grilles (No Damper), Deduct	*-16.52*	
		For Stainless Steel, Add	*185.81*	
23 37 13 13-0118	EA	10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	149.52	11.27
		For Steel Construction, Deduct	*-10.44*	
		For Flat Frame, Deduct	*-1.04*	
		For Grilles (No Damper), Deduct	*-20.89*	
		For Stainless Steel, Add	*234.99*	
23 37 13 13-0119	EA	10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	171.43	13.77
		For Steel Construction, Deduct	*-11.90*	
		For Flat Frame, Deduct	*-1.19*	
		For Grilles (No Damper), Deduct	*-23.80*	
		For Stainless Steel, Add	*267.77*	
23 37 13 13-0120	EA	12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	169.00	12.52
		For Steel Construction, Deduct	*-11.66*	
		For Flat Frame, Deduct	*-1.17*	
		For Grilles (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*262.31*	
23 37 13 13-0121	EA	12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	219.85	16.28
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-1.55*	
		For Grilles (No Damper), Deduct	*-31.09*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0122	EA	16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	358.64	20.03
		For Steel Construction, Deduct	*-28.09*	
		For Flat Frame, Deduct	*-2.81*	
		For Grilles (No Damper), Deduct	*-56.18*	
		For Stainless Steel, Add	*632.07*	
23 37 13 13-0123	EA	18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	432.62	22.54
		For Steel Construction, Deduct	*-34.25*	
		For Flat Frame, Deduct	*-3.42*	
		For Grilles (No Damper), Deduct	*-68.49*	
		For Stainless Steel, Add	*770.51*	
23 37 13 13-0124	EA	20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	489.04	25.05
		For Steel Construction, Deduct	*-39.10*	
		For Flat Frame, Deduct	*-3.91*	
		For Grilles (No Damper), Deduct	*-78.21*	
		For Stainless Steel, Add	*879.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0125	EA	24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	403.62	25.05
		For Steel Construction, Deduct	*-30.12*	
		For Flat Frame, Deduct	*-3.01*	
		For Grilles (No Damper), Deduct	*-60.23*	
		For Stainless Steel, Add	*677.61*	
23 37 13 13-0126	EA	24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	549.35	26.29
		For Steel Construction, Deduct	*-44.69*	
		For Flat Frame, Deduct	*-4.47*	
		For Grilles (No Damper), Deduct	*-89.38*	
		For Stainless Steel, Add	*1,005.50*	
23 37 13 13-0127	EA	24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	642.17	28.80
		For Steel Construction, Deduct	*-52.95*	
		For Flat Frame, Deduct	*-5.29*	
		For Grilles (No Damper), Deduct	*-105.89*	
		For Stainless Steel, Add	*1,191.29*	
23 37 13 13-0128	EA	30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	487.80	30.06
		For Steel Construction, Deduct	*-36.92*	
		For Flat Frame, Deduct	*-3.69*	
		For Grilles (No Damper), Deduct	*-73.83*	
		For Stainless Steel, Add	*830.63*	
23 37 13 13-0129	EA	30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	676.64	33.81
		For Steel Construction, Deduct	*-54.40*	
		For Flat Frame, Deduct	*-5.44*	
		For Grilles (No Damper), Deduct	*-108.81*	
		For Stainless Steel, Add	*1,224.09*	
23 37 13 13-0130	EA	30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	814.34	40.08
		For Steel Construction, Deduct	*-65.33*	
		For Flat Frame, Deduct	*-6.53*	
		For Grilles (No Damper), Deduct	*-130.67*	
		For Stainless Steel, Add	*1,469.99*	
23 37 13 13-0131	EA	30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	936.99	40.08
		For Steel Construction, Deduct	*-77.60*	
		For Flat Frame, Deduct	*-7.76*	
		For Grilles (No Damper), Deduct	*-155.20*	
		For Stainless Steel, Add	*1,745.96*	
23 37 13 13-0132	EA	36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	627.57	42.58
		For Steel Construction, Deduct	*-45.42*	
		For Flat Frame, Deduct	*-4.54*	
		For Grilles (No Damper), Deduct	*-90.83*	
		For Stainless Steel, Add	*1,021.88*	
23 37 13 13-0133	EA	36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	860.73	42.58
		For Steel Construction, Deduct	*-68.73*	
		For Flat Frame, Deduct	*-6.87*	
		For Grilles (No Damper), Deduct	*-137.47*	
		For Stainless Steel, Add	*1,546.49*	
23 37 13 13-0134	EA	36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	999.04	47.58
		For Steel Construction, Deduct	*-81.12*	
		For Flat Frame, Deduct	*-8.11*	
		For Grilles (No Damper), Deduct	*-162.24*	
		For Stainless Steel, Add	*1,825.20*	
23 37 13 13-0135	EA	36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,170.35	51.34
		For Steel Construction, Deduct	*-96.54*	
		For Flat Frame, Deduct	*-9.65*	
		For Grilles (No Damper), Deduct	*-193.08*	
		For Stainless Steel, Add	*2,172.20*	
23 37 13 13-0136	EA	36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,238.36	51.34
		For Steel Construction, Deduct	*-103.34*	
		For Flat Frame, Deduct	*-10.33*	
		For Grilles (No Damper), Deduct	*-206.69*	
		For Stainless Steel, Add	*2,325.22*	

23 37 13 13-0137 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0090)*

23 37 13 13-0138	EA	6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	60.90	12.25
23 37 13 13-0139	EA	8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	60.90	12.25
23 37 13 13-0140	EA	8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.33	12.25
23 37 13 13-0141	EA	8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.51	12.25
23 37 13 13-0142	EA	10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	66.33	12.25
23 37 13 13-0143	EA	10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	68.51	12.25
23 37 13 13-0144	EA	10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	82.23	16.06
23 37 13 13-0145	EA	10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	84.41	16.06
23 37 13 13-0146	EA	12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	80.06	16.06
23 37 13 13-0147	EA	12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	84.41	16.06
23 37 13 13-0148	EA	12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	86.58	16.06
23 37 13 13-0149	EA	12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.76	16.06
23 37 13 13-0150	EA	14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	85.49	16.06
23 37 13 13-0151	EA	14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.84	16.06
23 37 13 13-0152	EA	14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.02	16.06
23 37 13 13-0153	EA	14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	101.80	16.06
23 37 13 13-0154	EA	16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.84	16.06
23 37 13 13-0155	EA	16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	97.45	16.06
23 37 13 13-0156	EA	16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	101.80	16.06
23 37 13 13-0157	EA	16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	130.35	23.68
23 37 13 13-0158	EA	16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	132.52	23.68
23 37 13 13-0159	EA	18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	128.17	23.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0160	EA	18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	157.12	27.50
23 37 13 13-0161	EA	20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	126.00	23.68
23 37 13 13-0162	EA	20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	167.99	27.50
23 37 13 13-0163	EA	22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	87.67	16.06
23 37 13 13-0164	EA	22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	128.17	23.68
23 37 13 13-0165	EA	22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	188.25	31.32
23 37 13 13-0166	EA	24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	126.00	23.68
23 37 13 13-0167	EA	24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	130.35	23.68
23 37 13 13-0168	EA	24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	150.60	27.50
		For Lay-In Installation, Deduct	*-58.10*	
23 37 13 13-0169	EA	24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	157.12	27.50
23 37 13 13-0170	EA	24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	175.20	31.32
23 37 13 13-0171	EA	24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	181.73	31.32
23 37 13 13-0172	EA	24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	189.34	31.32
23 37 13 13-0173	EA	24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	203.47	31.32
		For Lay-In Installation, Deduct	*-66.50*	
23 37 13 13-0174	EA	30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	153.86	27.50
23 37 13 13-0175	EA	48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	250.76	34.32
23 37 13 13-0176	EA	48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	431.52	41.94
		For Lay-In Installation, Deduct	*-95.70*	

23 37 13 13-0177 Supply Registers and Grilles *(23 37 13 13)*

23 37 13 13-0178 Adjustable Curved Blade Register *(23 37 13 13-0177)*

Note: Ceiling mount aluminum construction four way pattern flush frame.

23 37 13 13-0179	EA	6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	109.58	10.02
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0180	EA	8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	113.74	10.02
		For Steel Construction, Deduct	*-11.24*	
		For Lay In Frame, Deduct	*-18.74*	
		For Three Way Pattern, Deduct	*-7.49*	
		For Two Way Pattern, Deduct	*-6.00*	
		For One Way Pattern, Deduct	*-6.00*	
		For Grille (No Damper), Deduct	*-11.24*	
		For Stainless Steel, Add	*168.62*	
23 37 13 13-0181	EA	12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	123.33	13.77
		For Steel Construction, Deduct	*-10.62*	
		For Lay In Frame, Deduct	*-17.70*	
		For Three Way Pattern, Deduct	*-7.08*	
		For Two Way Pattern, Deduct	*-5.66*	
		For One Way Pattern, Deduct	*-5.66*	
		For Grille (No Damper), Deduct	*-10.62*	
		For Stainless Steel, Add	*159.26*	
23 37 13 13-0182	EA	10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	138.60	12.52
		For Steel Construction, Deduct	*-12.91*	
		For Lay In Frame, Deduct	*-21.51*	
		For Three Way Pattern, Deduct	*-8.61*	
		For Two Way Pattern, Deduct	*-6.88*	
		For One Way Pattern, Deduct	*-6.88*	
		For Grille (No Damper), Deduct	*-12.91*	
		For Stainless Steel, Add	*193.61*	
23 37 13 13-0183	EA	12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	166.55	16.28
		For Steel Construction, Deduct	*-15.41*	
		For Lay In Frame, Deduct	*-25.68*	
		For Three Way Pattern, Deduct	*-10.27*	
		For Two Way Pattern, Deduct	*-8.22*	
		For One Way Pattern, Deduct	*-8.22*	
		For Grille (No Damper), Deduct	*-15.41*	
		For Stainless Steel, Add	*231.08*	
23 37 13 13-0184	EA	14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	205.40	18.78
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	
23 37 13 13-0185	EA	16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	205.40	18.78
		For Steel Construction, Deduct	*-19.15*	
		For Lay In Frame, Deduct	*-31.92*	
		For Three Way Pattern, Deduct	*-12.77*	
		For Two Way Pattern, Deduct	*-10.21*	
		For One Way Pattern, Deduct	*-10.21*	
		For Grille (No Damper), Deduct	*-19.15*	
		For Stainless Steel, Add	*287.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0186	EA	18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	253.03	25.05
		For Steel Construction, Deduct	*-23.32*	
		For Lay In Frame, Deduct	*-38.86*	
		For Three Way Pattern, Deduct	*-15.54*	
		For Two Way Pattern, Deduct	*-12.44*	
		For One Way Pattern, Deduct	*-12.44*	
		For Grille (No Damper), Deduct	*-23.32*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0187	EA	24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	337.01	26.29
		For Steel Construction, Deduct	*-35.18*	
		For Lay In Frame, Deduct	*-58.64*	
		For Three Way Pattern, Deduct	*-23.46*	
		For Two Way Pattern, Deduct	*-18.76*	
		For One Way Pattern, Deduct	*-18.76*	
		For Grille (No Damper), Deduct	*-35.18*	
		For Stainless Steel, Add	*527.74*	
23 37 13 13-0188	EA	30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern	556.56	53.10
		For Steel Construction, Deduct	*-67.55*	
		For Lay In Frame, Deduct	*-112.59*	
		For Three Way Pattern, Deduct	*-45.04*	
		For Two Way Pattern, Deduct	*-36.03*	
		For One Way Pattern, Deduct	*-36.03*	
		For Grille (No Damper), Deduct	*-67.55*	
		For Stainless Steel, Add	*1,013.31*	

23 37 13 13-0189 Removable-Reversible Core Registers *(23 37 13 13-0177)*

Note: Double deflection radiused frame aluminum construction.

23 37 13 13-0190	EA	6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	127.62	10.02
		For Steel Construction, Deduct	*-8.88*	
		For Flat Frame, Deduct	*-8.88*	
		For Grille (No Damper), Deduct	*-26.65*	
		For Stainless Steel, Add	*199.85*	
23 37 13 13-0191	EA	8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	163.71	10.02
		For Steel Construction, Deduct	*-12.49*	
		For Flat Frame, Deduct	*-12.49*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*281.05*	
23 37 13 13-0192	EA	12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	207.99	13.77
		For Steel Construction, Deduct	*-15.54*	
		For Flat Frame, Deduct	*-15.54*	
		For Grille (No Damper), Deduct	*-46.63*	
		For Stainless Steel, Add	*349.74*	
23 37 13 13-0193	EA	10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	210.76	13.77
		For Steel Construction, Deduct	*-15.82*	
		For Flat Frame, Deduct	*-15.82*	
		For Grille (No Damper), Deduct	*-47.46*	
		For Stainless Steel, Add	*355.97*	
23 37 13 13-0194	EA	12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	269.25	16.28
		For Steel Construction, Deduct	*-20.54*	
		For Flat Frame, Deduct	*-20.54*	
		For Grille (No Damper), Deduct	*-61.62*	
		For Stainless Steel, Add	*462.15*	
23 37 13 13-0195	EA	14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	385.82	20.03
		For Steel Construction, Deduct	*-30.81*	
		For Flat Frame, Deduct	*-30.81*	
		For Grille (No Damper), Deduct	*-92.43*	
		For Stainless Steel, Add	*693.23*	
23 37 13 13-0196	EA	16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	435.78	18.78
		For Steel Construction, Deduct	*-35.81*	
		For Flat Frame, Deduct	*-35.81*	
		For Grille (No Damper), Deduct	*-107.42*	
		For Stainless Steel, Add	*805.64*	
23 37 13 13-0197	EA	18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	525.05	25.05
		For Steel Construction, Deduct	*-42.75*	
		For Flat Frame, Deduct	*-42.75*	
		For Grille (No Damper), Deduct	*-128.24*	
		For Stainless Steel, Add	*961.79*	
23 37 13 13-0198	EA	24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame	665.93	25.05
		For Steel Construction, Deduct	*-56.35*	
		For Flat Frame, Deduct	*-56.35*	
		For Grille (No Damper), Deduct	*-169.04*	
		For Stainless Steel, Add	*1,267.81*	

23 37 13 13-0199 Adjustable Shutter Blade Registers *(23 37 13 13-0177)*

Note: Double deflection flat frame aluminum construction.

23 37 13 13-0200	EA	6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	200.72	10.02
		For Steel Construction, Deduct	*-16.19*	
		For Single Deflection, Deduct	*-32.38*	
		For Grille (No Damper), Deduct	*-24.29*	
		For Stainless Steel, Add	*364.32*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0201	EA	8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	233.10	10.02
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0202	EA	12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	246.85	13.77
		For Steel Construction, Deduct	*-19.43*	
		For Single Deflection, Deduct	*-38.86*	
		For Grille (No Damper), Deduct	*-29.15*	
		For Stainless Steel, Add	*437.18*	
23 37 13 13-0203	EA	10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	256.10	12.52
		For Steel Construction, Deduct	*-20.36*	
		For Single Deflection, Deduct	*-40.71*	
		For Grille (No Damper), Deduct	*-30.53*	
		For Stainless Steel, Add	*457.99*	
23 37 13 13-0204	EA	12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	313.66	16.28
		For Steel Construction, Deduct	*-24.98*	
		For Single Deflection, Deduct	*-49.96*	
		For Grille (No Damper), Deduct	*-37.47*	
		For Stainless Steel, Add	*562.07*	
23 37 13 13-0205	EA	14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	420.06	18.78
		For Steel Construction, Deduct	*-34.23*	
		For Single Deflection, Deduct	*-68.47*	
		For Grille (No Damper), Deduct	*-51.35*	
		For Stainless Steel, Add	*770.27*	
23 37 13 13-0206	EA	16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	498.70	20.03
		For Steel Construction, Deduct	*-42.10*	
		For Single Deflection, Deduct	*-84.20*	
		For Grille (No Damper), Deduct	*-63.15*	
		For Stainless Steel, Add	*947.21*	
23 37 13 13-0207	EA	18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	615.72	25.05
		For Steel Construction, Deduct	*-51.81*	
		For Single Deflection, Deduct	*-103.63*	
		For Grille (No Damper), Deduct	*-77.72*	
		For Stainless Steel, Add	*1,165.79*	
23 37 13 13-0208	EA	24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame	856.53	26.29
		For Steel Construction, Deduct	*-75.41*	
		For Single Deflection, Deduct	*-150.81*	
		For Grille (No Damper), Deduct	*-113.11*	
		For Stainless Steel, Add	*1,696.66*	

23 37 13 13-0209 Air Conditioning And Ventilation *(23 37 13 13-0177)*

23 37 13 13-0210	EA	10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	104.31	26.29
		For Stainless Steel, Add	*116.46*	
23 37 13 13-0211	EA	18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	181.79	39.14
		For Stainless Steel, Add	*232.92*	
23 37 13 13-0212	EA	30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	282.10	54.79
		For Stainless Steel, Add	*388.19*	
23 37 13 13-0213	EA	48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	719.63	75.14
		For Stainless Steel, Add	*1,281.06*	

23 37 13 13-0214 Square Wall Return Air And Exhaust Grilles *(23 37 13 13-0177)*

Note: Egg crate design aluminum construction.

23 37 13 13-0215	EA	8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	93.84	31.37
23 37 13 13-0216	EA	12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	103.41	31.37
23 37 13 13-0217	EA	18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	153.91	47.05
23 37 13 13-0218	EA	24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	201.77	47.05
23 37 13 13-0219	EA	28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	340.82	62.73
23 37 13 13-0220	EA	36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction	629.89	62.61

23 37 13 13-0221 Rectangular Four-Way Adjustable Deflection Wall Supply Grilles *(23 37 13 13-0177)*

Note: Aluminum construction.

23 37 13 13-0222	EA	12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	282.65	22.58
23 37 13 13-0223	EA	14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	324.28	22.58
23 37 13 13-0224	EA	18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	391.81	25.09
23 37 13 13-0225	EA	24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	465.80	25.09
23 37 13 13-0226	EA	36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction	594.62	78.42

23 37 13 13-0227 Square Ceiling Return Air And Exhaust Grilles *(23 37 13 13-0177)*

Note: Egg crate design, plastic construction.

23 37 13 13-0228	EA	24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	52.97	15.02
23 37 13 13-0229	EA	24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction	77.36	15.14

23 37 13 13-0230 Door Grilles Sight Proof Inverted Vee Cross Section *(23 37 13 13-0177)*

Note: Painted steel louvers and frame.

23 37 13 13-0231	EA	12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	157.10	22.58
23 37 13 13-0232	EA	12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	194.75	22.58
23 37 13 13-0233	EA	18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	245.64	23.84
23 37 13 13-0234	EA	24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	342.79	28.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0235	EA	24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel	379.74	52.32
23 37 13 13-0236		Stainless Steel Devices *(23 37 13 13-0177)*		
23 37 13 13-0237		304 Stainless Steel, Louvered Partition/Door Grilles *(23 37 13 13-0236)*		
23 37 13 13-0238	SF	Up To 4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	241.30	19.57
		For 316 Stainless Steel, Add	*41.74*	
23 37 13 13-0239	SF	>4 SF, 304 Stainless Steel, Louvered Partition/Door Grille	203.22	19.57
		For 316 Stainless Steel, Add	*34.12*	
23 37 13 13-0240		304 Stainless Steel, Single Deflection Supply Grilles *(23 37 13 13-0236)*		
23 37 13 13-0241	SF	Up To 4 SF, 304 Stainless Steel, Single Deflection Supply Grille	182.12	19.57
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0242	SF	>4 SF, 304 Stainless Steel, Single Deflection Supply Grille	154.43	19.57
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0243		304 Stainless Steel, Double Deflection Supply Grilles *(23 37 13 13-0236)*		
23 37 13 13-0244	SF	Up To 4 SF, 304 Stainless Steel, Double Deflection Supply Grille	267.77	19.57
		For 316 Stainless Steel, Add	*47.03*	
23 37 13 13-0245	SF	>4 SF, 304 Stainless Steel, Double Deflection Supply Grille	227.80	19.57
		For 316 Stainless Steel, Add	*39.04*	
23 37 13 13-0246		304 Stainless Steel Return Grilles *(23 37 13 13-0236)*		
23 37 13 13-0247	SF	Up To 4 SF, 304 Stainless Steel Return Grille	182.12	19.57
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0248	SF	>4 SF, 304 Stainless Steel Return Grille	154.43	19.57
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0249		304 Stainless Steel, Louvered Supply/Return Grilles *(23 37 13 13-0236)*		
23 37 13 13-0250	SF	Up To 4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	182.12	19.57
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0251	SF	>4 SF, 304 Stainless Steel, Louvered Supply/Return Grille	154.43	19.57
		For 316 Stainless Steel, Add	*24.36*	
23 37 13 13-0252		304 Stainless Steel, Perforated Return Grilles *(23 37 13 13-0236)*		
23 37 13 13-0253	SF	Up To 4 SF, 304 Stainless Steel, Perforated Return Grille	182.12	19.57
		For 316 Stainless Steel, Add	*29.90*	
23 37 13 13-0254	SF	>4 SF, 304 Stainless Steel, Perforated Return Grille	146.82	19.57
		For 316 Stainless Steel, Add	*22.84*	
23 37 13 13-0255		304 Stainless Steel, Perforated Supply Grilles *(23 37 13 13-0236)*		
23 37 13 13-0256	SF	Up To 4 SF, 304 Stainless Steel, Perforated Supply Grille	221.05	19.57
		For 316 Stainless Steel, Add	*37.69*	
23 37 13 13-0257	SF	>4 SF, 304 Stainless Steel, Perforated Supply Grille	150.87	19.57
		For 316 Stainless Steel, Add	*23.65*	
23 37 13 13-0258		304 Stainless Steel, Door Grilles *(23 37 13 13-0236)*		
23 37 13 13-0259	SF	Up To 4 SF, 304 Stainless Steel, Door Grille	331.62	19.57
		For 316 Stainless Steel, Add	*59.80*	
23 37 13 13-0260	SF	>4 SF, 304 Stainless Steel, Door Grille	276.26	19.57
		For 316 Stainless Steel, Add	*48.73*	
23 37 13 13-0261		304 Stainless Steel, Linear Bar Grilles *(23 37 13 13-0236)*		
23 37 13 13-0262	SF	Up To 4 SF, 304 Stainless Steel, Linear Bar Grille	424.54	19.57
		For 316 Stainless Steel, Add	*78.38*	
23 37 13 13-0263	SF	>4 SF, 304 Stainless Steel, Linear Bar Grille	363.11	19.57
		For 316 Stainless Steel, Add	*66.10*	
23 37 13 13-0264		304 Stainless Steel, Hinged Filter Grilles *(23 37 13 13-0236)*		
23 37 13 13-0265	SF	Up To 4 SF, 304 Stainless Steel, Hinged Filter Grille	311.38	19.57
		For 316 Stainless Steel, Add	*55.75*	
23 37 13 13-0266	SF	>4 SF, 304 Stainless Steel, Hinged Filter Grille	214.49	19.57
		For 316 Stainless Steel, Add	*36.37*	
23 37 13 13-0267		304 Stainless Steel, Opposed Blade Dampers Grilles *(23 37 13 13-0236)*		
23 37 13 13-0268	SF	Up To 4 SF, 304 Stainless Steel, Opposed Blade Dampers Grille	166.55	19.57
		For 316 Stainless Steel, Add	*26.79*	
23 37 13 13-0269	SF	Opposed Blade Dampers Grille, Stainless Steel 304, > 4 SF	126.24	19.57
		For 316 Stainless Steel, Add	*18.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0270		**304 Stainless Steel, Plaster Frames Replacement** *(23 37 13 13-0236)*		
		Note: For frequent replacement.		
23 37 13 13-0271	SF	To 4 SF, 304 Stainless Steel, Plaster Frames Replacement	129.17	19.57
		For 316 Stainless Steel, Add	*19.31*	
23 37 13 13-0272	SF	>4 SF, 304 Stainless Steel, Plaster Frames Replacement	67.40	19.57
		For 316 Stainless Steel, Add	*6.96*	
23 37 13 13-0273		**304 Stainless Steel, Modular Louvered Ceiling Diffusers** *(23 37 13 13-0236)*		
23 37 13 13-0274	SF	Up To 4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	306.71	19.57
		For 316 Stainless Steel, Add	*54.82*	
23 37 13 13-0275	SF	>4 SF, 304 Stainless Steel, Modular Louvered Ceiling Diffuser	239.40	19.57
		For 316 Stainless Steel, Add	*41.36*	
23 37 13 13-0276		**304 Stainless Steel, Latticed Supply/Return Grilles** *(23 37 13 13-0236)*		
23 37 13 13-0277	SF	Up To 4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	105.81	19.57
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0278	SF	>4 SF, 304 Stainless Steel, Latticed Supply/Return Grille	105.81	19.57
		For 316 Stainless Steel, Add	*14.64*	
23 37 13 13-0279		**Supply Grille With Rotating Aluminum Drum And Aluminun Frame** *(23 37 13 13-0177)*		
		Note: Titus DL or equal		
23 37 13 13-0280	EA	9" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	98.42	19.41
		For Adjustable Deflection Blades, Add	*3.88*	
		For Split Vane Supply Grille, Add	*5.81*	
		For Curved Frame For Round Duct Mounting, Add	*9.24*	
		For Stainless Steel, Add	*44.72*	
23 37 13 13-0281	EA	12" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	117.58	22.92
		For Adjustable Deflection Blades, Add	*4.66*	
		For Split Vane Supply Grille, Add	*7.00*	
		For Curved Frame For Round Duct Mounting, Add	*11.12*	
		For Stainless Steel, Add	*53.81*	
23 37 13 13-0282	EA	15" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	135.54	24.54
		For Adjustable Deflection Blades, Add	*5.61*	
		For Split Vane Supply Grille, Add	*8.42*	
		For Curved Frame For Round Duct Mounting, Add	*13.38*	
		For Stainless Steel, Add	*64.76*	
23 37 13 13-0283	EA	18" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	149.79	26.29
		For Adjustable Deflection Blades, Add	*6.32*	
		For Split Vane Supply Grille, Add	*9.48*	
		For Curved Frame For Round Duct Mounting, Add	*15.07*	
		For Stainless Steel, Add	*72.94*	
23 37 13 13-0284	EA	20" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	159.96	29.05
		For Adjustable Deflection Blades, Add	*6.62*	
		For Split Vane Supply Grille, Add	*9.92*	
		For Curved Frame For Round Duct Mounting, Add	*15.77*	
		For Stainless Steel, Add	*76.33*	
23 37 13 13-0285	EA	24" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	185.05	31.93
		For Adjustable Deflection Blades, Add	*7.88*	
		For Split Vane Supply Grille, Add	*11.82*	
		For Curved Frame For Round Duct Mounting, Add	*18.79*	
		For Stainless Steel, Add	*90.90*	
23 37 13 13-0286	EA	30" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	220.08	35.40
		For Adjustable Deflection Blades, Add	*9.70*	
		For Split Vane Supply Grille, Add	*14.55*	
		For Curved Frame For Round Duct Mounting, Add	*23.14*	
		For Stainless Steel, Add	*111.95*	
23 37 13 13-0287	EA	36" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	261.55	38.95
		For Adjustable Deflection Blades, Add	*11.95*	
		For Split Vane Supply Grille, Add	*17.92*	
		For Curved Frame For Round Duct Mounting, Add	*28.49*	
		For Stainless Steel, Add	*137.87*	
23 37 13 13-0288	EA	40" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	303.44	43.83
		For Adjustable Deflection Blades, Add	*14.03*	
		For Split Vane Supply Grille, Add	*21.04*	
		For Curved Frame For Round Duct Mounting, Add	*33.45*	
		For Stainless Steel, Add	*161.84*	
23 37 13 13-0289	EA	48" x 6" Aluminum, Rotating Drum Louver, High Volume Supply Grille	333.72	48.84
		For Adjustable Deflection Blades, Add	*15.35*	
		For Split Vane Supply Grille, Add	*23.02*	
		For Curved Frame For Round Duct Mounting, Add	*36.60*	
		For Stainless Steel, Add	*177.11*	
23 37 13 13-0290	EA	12" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	124.94	25.42
		For Adjustable Deflection Blades, Add	*4.82*	
		For Split Vane Supply Grille, Add	*7.23*	
		For Curved Frame For Round Duct Mounting, Add	*11.49*	
		For Stainless Steel, Add	*55.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0291	EA	15" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	143.72	27.30
		For Adjustable Deflection Blades, Add	*5.80*	
		For Split Vane Supply Grille, Add	*8.70*	
		For Curved Frame For Round Duct Mounting, Add	*13.83*	
		For Stainless Steel, Add	*66.91*	
23 37 13 13-0292	EA	18" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	158.71	29.18
		For Adjustable Deflection Blades, Add	*6.53*	
		For Split Vane Supply Grille, Add	*9.80*	
		For Curved Frame For Round Duct Mounting, Add	*15.57*	
		For Stainless Steel, Add	*75.35*	
23 37 13 13-0293	EA	20" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	169.64	32.31
		For Adjustable Deflection Blades, Add	*6.83*	
		For Split Vane Supply Grille, Add	*10.25*	
		For Curved Frame For Round Duct Mounting, Add	*16.30*	
		For Stainless Steel, Add	*78.86*	
23 37 13 13-0294	EA	24" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	202.55	35.19
		For Adjustable Deflection Blades, Add	*8.60*	
		For Split Vane Supply Grille, Add	*12.90*	
		For Curved Frame For Round Duct Mounting, Add	*20.51*	
		For Stainless Steel, Add	*99.23*	
23 37 13 13-0295	EA	30" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	239.98	39.20
		For Adjustable Deflection Blades, Add	*10.50*	
		For Split Vane Supply Grille, Add	*15.75*	
		For Curved Frame For Round Duct Mounting, Add	*25.03*	
		For Stainless Steel, Add	*121.13*	
23 37 13 13-0296	EA	36" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	292.32	43.07
		For Adjustable Deflection Blades, Add	*13.40*	
		For Split Vane Supply Grille, Add	*20.10*	
		For Curved Frame For Round Duct Mounting, Add	*31.96*	
		For Stainless Steel, Add	*154.63*	
23 37 13 13-0297	EA	40" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	347.97	48.59
		For Stainless Steel, Add	*564.37*	
		For Adjustable Deflection Blades, Add	*16.30*	
		For Split Vane Supply Grille, Add	*24.46*	
		For Curved Frame For Round Duct Mounting, Add	*38.88*	
		For Stainless Steel, Add	*188.12*	
23 37 13 13-0298	EA	48" x 8" Aluminum, Rotating Drum Louver, High Volume Supply Grille	372.98	54.10
		For Adjustable Deflection Blades, Add	*17.21*	
		For Split Vane Supply Grille, Add	*25.82*	
		For Curved Frame For Round Duct Mounting, Add	*41.05*	
		For Stainless Steel, Add	*198.63*	
23 37 13 13-0299	EA	12" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	135.20	28.18
		For Adjustable Deflection Blades, Add	*5.13*	
		For Split Vane Supply Grille, Add	*7.69*	
		For Curved Frame For Round Duct Mounting, Add	*12.23*	
		For Stainless Steel, Add	*59.18*	
23 37 13 13-0300	EA	15" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	155.37	30.18
		For Adjustable Deflection Blades, Add	*6.17*	
		For Split Vane Supply Grille, Add	*9.26*	
		For Curved Frame For Round Duct Mounting, Add	*14.72*	
		For Stainless Steel, Add	*71.21*	
23 37 13 13-0301	EA	18" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	171.48	32.31
		For Adjustable Deflection Blades, Add	*6.95*	
		For Split Vane Supply Grille, Add	*10.43*	
		For Curved Frame For Round Duct Mounting, Add	*16.57*	
		For Stainless Steel, Add	*80.20*	
23 37 13 13-0302	EA	20" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	183.39	35.69
		For Adjustable Deflection Blades, Add	*7.27*	
		For Split Vane Supply Grille, Add	*10.91*	
		For Curved Frame For Round Duct Mounting, Add	*17.35*	
		For Stainless Steel, Add	*83.93*	
23 37 13 13-0303	EA	25" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	218.44	38.82
		For Adjustable Deflection Blades, Add	*9.15*	
		For Split Vane Supply Grille, Add	*13.73*	
		For Curved Frame For Round Duct Mounting, Add	*21.83*	
		For Stainless Steel, Add	*105.62*	
23 37 13 13-0304	EA	30" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	258.99	43.58
		For Adjustable Deflection Blades, Add	*11.17*	
		For Split Vane Supply Grille, Add	*16.76*	
		For Curved Frame For Round Duct Mounting, Add	*26.64*	
		For Stainless Steel, Add	*128.91*	
23 37 13 13-0305	EA	35" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	313.10	47.84
		For Adjustable Deflection Blades, Add	*14.14*	
		For Split Vane Supply Grille, Add	*21.20*	
		For Curved Frame For Round Duct Mounting, Add	*33.71*	
		For Stainless Steel, Add	*163.11*	
23 37 13 13-0306	EA	40" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	359.20	53.98
		For Adjustable Deflection Blades, Add	*16.34*	
		For Split Vane Supply Grille, Add	*24.51*	
		For Curved Frame For Round Duct Mounting, Add	*38.96*	
		For Stainless Steel, Add	*188.54*	
23 37 13 13-0307	EA	50" x 10" Aluminum, Rotating Drum Louver, High Volume Supply Grille	399.23	59.99
		For Adjustable Deflection Blades, Add	*18.16*	
		For Split Vane Supply Grille, Add	*27.24*	
		For Curved Frame For Round Duct Mounting, Add	*43.31*	
		For Stainless Steel, Add	*209.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0308	EA	12" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	151.37	30.43
		For Adjustable Deflection Blades, Add	*5.88*	
		For Split Vane Supply Grille, Add	*8.81*	
		For Curved Frame For Round Duct Mounting, Add	*14.01*	
		For Stainless Steel, Add	*67.80*	
23 37 13 13-0309	EA	15" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	174.22	32.69
		For Adjustable Deflection Blades, Add	*7.07*	
		For Split Vane Supply Grille, Add	*10.61*	
		For Curved Frame For Round Duct Mounting, Add	*16.86*	
		For Stainless Steel, Add	*81.59*	
23 37 13 13-0310	EA	18" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	192.42	34.94
		For Adjustable Deflection Blades, Add	*7.96*	
		For Split Vane Supply Grille, Add	*11.95*	
		For Curved Frame For Round Duct Mounting, Add	*18.99*	
		For Stainless Steel, Add	*91.90*	
23 37 13 13-0311	EA	20" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	205.63	38.70
		For Adjustable Deflection Blades, Add	*8.33*	
		For Split Vane Supply Grille, Add	*12.50*	
		For Curved Frame For Round Duct Mounting, Add	*19.87*	
		For Stainless Steel, Add	*96.17*	
23 37 13 13-0312	EA	25" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	248.34	43.46
		For Adjustable Deflection Blades, Add	*10.49*	
		For Split Vane Supply Grille, Add	*15.73*	
		For Curved Frame For Round Duct Mounting, Add	*25.01*	
		For Stainless Steel, Add	*121.01*	
23 37 13 13-0313	EA	30" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	288.94	48.34
		For Adjustable Deflection Blades, Add	*12.50*	
		For Split Vane Supply Grille, Add	*18.76*	
		For Curved Frame For Round Duct Mounting, Add	*29.82*	
		For Stainless Steel, Add	*144.28*	
23 37 13 13-0314	EA	35" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	338.60	53.34
		For Adjustable Deflection Blades, Add	*15.07*	
		For Split Vane Supply Grille, Add	*22.60*	
		For Curved Frame For Round Duct Mounting, Add	*35.93*	
		For Stainless Steel, Add	*173.86*	
23 37 13 13-0315	EA	40" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	384.89	58.49
		For Adjustable Deflection Blades, Add	*17.41*	
		For Split Vane Supply Grille, Add	*26.12*	
		For Curved Frame For Round Duct Mounting, Add	*41.52*	
		For Stainless Steel, Add	*200.93*	
23 37 13 13-0316	EA	50" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	427.54	64.87
		For Adjustable Deflection Blades, Add	*19.35*	
		For Split Vane Supply Grille, Add	*29.03*	
		For Curved Frame For Round Duct Mounting, Add	*46.15*	
		For Stainless Steel, Add	*223.31*	
23 37 13 13-0317	EA	60" x 12" Aluminum, Rotating Drum Louver, High Volume Supply Grille	487.41	74.01
		For Adjustable Deflection Blades, Add	*22.06*	
		For Split Vane Supply Grille, Add	*33.10*	
		For Curved Frame For Round Duct Mounting, Add	*52.61*	
		For Stainless Steel, Add	*254.59*	
23 37 13 13-0318	EA	15" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	197.90	36.81
		For Adjustable Deflection Blades, Add	*8.08*	
		For Split Vane Supply Grille, Add	*12.13*	
		For Curved Frame For Round Duct Mounting, Add	*19.28*	
		For Stainless Steel, Add	*93.27*	
23 37 13 13-0319	EA	18" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	218.58	39.32
		For Adjustable Deflection Blades, Add	*9.10*	
		For Split Vane Supply Grille, Add	*13.65*	
		For Curved Frame For Round Duct Mounting, Add	*21.71*	
		For Stainless Steel, Add	*105.03*	
23 37 13 13-0320	EA	20" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	233.56	43.46
		For Adjustable Deflection Blades, Add	*9.53*	
		For Split Vane Supply Grille, Add	*14.29*	
		For Curved Frame For Round Duct Mounting, Add	*22.72*	
		For Stainless Steel, Add	*109.92*	
23 37 13 13-0321	EA	25" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	280.82	48.21
		For Adjustable Deflection Blades, Add	*11.99*	
		For Split Vane Supply Grille, Add	*17.98*	
		For Curved Frame For Round Duct Mounting, Add	*28.59*	
		For Stainless Steel, Add	*138.32*	
23 37 13 13-0322	EA	30" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	326.11	53.10
		For Adjustable Deflection Blades, Add	*14.29*	
		For Split Vane Supply Grille, Add	*21.44*	
		For Curved Frame For Round Duct Mounting, Add	*34.08*	
		For Stainless Steel, Add	*164.92*	
23 37 13 13-0323	EA	35" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	382.38	58.73
		For Adjustable Deflection Blades, Add	*17.22*	
		For Split Vane Supply Grille, Add	*25.83*	
		For Curved Frame For Round Duct Mounting, Add	*41.07*	
		For Stainless Steel, Add	*198.73*	
23 37 13 13-0324	EA	40" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	434.78	64.24
		For Adjustable Deflection Blades, Add	*19.90*	
		For Split Vane Supply Grille, Add	*29.86*	
		For Curved Frame For Round Duct Mounting, Add	*47.46*	
		For Stainless Steel, Add	*229.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0325	EA	50" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	482.99	71.38
		For Adjustable Deflection Blades, Add	*22.12*	
		For Split Vane Supply Grille, Add	*33.18*	
		For Curved Frame For Round Duct Mounting, Add	*52.75*	
		For Stainless Steel, Add	*255.26*	
23 37 13 13-0326	EA	60" x 15" Aluminum, Rotating Drum Louver, High Volume Supply Grille	550.60	81.28
		For Adjustable Deflection Blades, Add	*25.22*	
		For Split Vane Supply Grille, Add	*37.83*	
		For Curved Frame For Round Duct Mounting, Add	*60.14*	
		For Stainless Steel, Add	*290.99*	

23 37 13 13-0327 Removal And Reinstallation Of Distribution Devices *(23 37 13 13)*

Note: Includes storage and cleaning. Excludes ductwork.

23 37 13 13-0328	EA	Removal And Reinstallation Of Variable Air Volume Terminal Unit	234.80	
23 37 13 13-0329	EA	Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit	258.97	
23 37 13 13-0330	EA	Removal And Reinstallation Of Lay-in Diffuser/Register/Grille	38.81	
23 37 13 13-0331	EA	Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille	52.57	

23 37 13 43 Security Registers and Grilles *(23 37 13)*

23 37 13 43-0001 Security Supply Or Return Grille *(23 37 13 43)*

Note: Designed for maximum security applications, 3/16" steel face plate with 2" x 2" square holes, 1/4" steel backer plate, 3/16" welded steel sleeve, 10 gauge x 2 wire mesh between face and backer plates, 1" x 1" x 3/16" angle iron frame, standard finish.

23 37 13 43-0002	EA	8" x 4" Steel Security Grille	271.28	18.82
		For Anchoring Tabs, Add	*23.36*	
		For Rear Operated Opposed Blade Damper, Add	*85.54*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*58.41*	
		For Stainless Steel, Add	*292.05*	
23 37 13 43-0003	EA	8" x 6" Steel Security Grille	300.86	19.44
		For Anchoring Tabs, Add	*26.20*	
		For Rear Operated Opposed Blade Damper, Add	*95.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*65.49*	
		For Stainless Steel, Add	*327.45*	
23 37 13 43-0004	EA	8" x 8" Steel Security Grille	344.81	21.96
		For Anchoring Tabs, Add	*30.09*	
		For Rear Operated Opposed Blade Damper, Add	*109.71*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*75.23*	
		For Stainless Steel, Add	*376.13*	
23 37 13 43-0005	EA	10" x 4" Steel Security Grille	301.08	21.32
		For Anchoring Tabs, Add	*25.84*	
		For Rear Operated Opposed Blade Damper, Add	*94.71*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*64.61*	
		For Stainless Steel, Add	*323.03*	
23 37 13 43-0006	EA	10" x 6" Steel Security Grille	321.29	22.58
		For Anchoring Tabs, Add	*27.61*	
		For Rear Operated Opposed Blade Damper, Add	*101.16*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*69.03*	
		For Stainless Steel, Add	*345.15*	
23 37 13 43-0007	EA	10" x 8" Steel Security Grille	367.53	24.46
		For Anchoring Tabs, Add	*31.86*	
		For Rear Operated Opposed Blade Damper, Add	*116.40*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*79.65*	
		For Stainless Steel, Add	*398.25*	
23 37 13 43-0008	EA	10" x 10" Steel Security Grille	410.23	26.35
		For Anchoring Tabs, Add	*35.75*	
		For Rear Operated Opposed Blade Damper, Add	*130.41*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*89.39*	
		For Stainless Steel, Add	*446.93*	
23 37 13 43-0009	EA	12" x 4" Steel Security Grille	316.71	23.84
		For Anchoring Tabs, Add	*26.90*	
		For Rear Operated Opposed Blade Damper, Add	*98.93*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*67.26*	
		For Stainless Steel, Add	*336.30*	
23 37 13 43-0010	EA	12" x 6" Steel Security Grille	353.59	26.35
		For Anchoring Tabs, Add	*30.09*	
		For Rear Operated Opposed Blade Damper, Add	*110.58*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*75.23*	
		For Stainless Steel, Add	*376.13*	
23 37 13 43-0011	EA	12" x 8" Steel Security Grille	403.38	28.23
		For Anchoring Tabs, Add	*34.69*	
		For Rear Operated Opposed Blade Damper, Add	*127.07*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*86.73*	
		For Stainless Steel, Add	*433.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0012	EA	12" x 10" Steel Security Grille	439.00	30.11
		For Anchoring Tabs, Add	*37.88*	
		For Rear Operated Opposed Blade Damper, Add	*138.60*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*94.70*	
		For Stainless Steel, Add	*473.48*	
23 37 13 43-0013	EA	12" x 12" Steel Security Grille	485.24	31.99
		For Anchoring Tabs, Add	*42.13*	
		For Rear Operated Opposed Blade Damper, Add	*153.84*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*105.32*	
		For Stainless Steel, Add	*526.58*	
23 37 13 43-0014	EA	14" x 4" Steel Security Grille	338.17	25.72
		For Anchoring Tabs, Add	*28.67*	
		For Rear Operated Opposed Blade Damper, Add	*105.50*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*71.69*	
		For Stainless Steel, Add	*358.43*	
23 37 13 43-0015	EA	14" x 6" Steel Security Grille	380.88	27.60
		For Anchoring Tabs, Add	*32.57*	
		For Rear Operated Opposed Blade Damper, Add	*119.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*81.42*	
		For Stainless Steel, Add	*407.10*	
23 37 13 43-0016	EA	14" x 8" Steel Security Grille	424.84	30.11
		For Anchoring Tabs, Add	*36.46*	
		For Rear Operated Opposed Blade Damper, Add	*133.64*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*91.16*	
		For Stainless Steel, Add	*455.78*	
23 37 13 43-0017	EA	14" x 10" Steel Security Grille	479.41	32.62
		For Anchoring Tabs, Add	*41.42*	
		For Rear Operated Opposed Blade Damper, Add	*151.49*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*103.55*	
		For Stainless Steel, Add	*517.73*	
23 37 13 43-0018	EA	14" x 12" Steel Security Grille	528.17	35.76
		For Anchoring Tabs, Add	*45.67*	
		For Rear Operated Opposed Blade Damper, Add	*166.98*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*114.17*	
		For Stainless Steel, Add	*570.83*	
23 37 13 43-0019	EA	14" x 14" Steel Security Grille	568.58	38.26
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*179.87*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*615.08*	
23 37 13 43-0020	EA	16" x 6" Steel Security Grille	407.14	30.11
		For Anchoring Tabs, Add	*34.69*	
		For Rear Operated Opposed Blade Damper, Add	*127.44*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*86.73*	
		For Stainless Steel, Add	*433.65*	
23 37 13 43-0021	EA	16" x 8" Steel Security Grille	465.25	32.62
		For Anchoring Tabs, Add	*40.00*	
		For Rear Operated Opposed Blade Damper, Add	*146.53*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*100.01*	
		For Stainless Steel, Add	*500.03*	
23 37 13 43-0022	EA	16" x 10" Steel Security Grille	502.13	35.13
		For Anchoring Tabs, Add	*43.19*	
		For Rear Operated Opposed Blade Damper, Add	*158.18*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*107.97*	
		For Stainless Steel, Add	*539.85*	
23 37 13 43-0023	EA	16" x 12" Steel Security Grille	566.08	37.01
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*179.62*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*615.08*	
23 37 13 43-0024	EA	16" x 14" Steel Security Grille	599.41	39.52
		For Anchoring Tabs, Add	*52.04*	
		For Rear Operated Opposed Blade Damper, Add	*190.04*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*130.10*	
		For Stainless Steel, Add	*650.48*	
23 37 13 43-0025	EA	16" x 16" Steel Security Grille	650.45	42.03
		For Anchoring Tabs, Add	*56.64*	
		For Rear Operated Opposed Blade Damper, Add	*206.65*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*141.60*	
		For Stainless Steel, Add	*708.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0026	EA	18" x 6" Steel Security Grille	432.37	33.87
		For Anchoring Tabs, Add	*36.46*	
		For Rear Operated Opposed Blade Damper, Add	*134.39*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*91.16*	
		For Stainless Steel, Add	*455.78*	
23 37 13 43-0027	EA	18" x 8" Steel Security Grille	494.02	36.38
		For Anchoring Tabs, Add	*42.13*	
		For Rear Operated Opposed Blade Damper, Add	*154.72*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*105.32*	
		For Stainless Steel, Add	*526.58*	
23 37 13 43-0028	EA	18" x 10" Steel Security Grille	541.52	38.90
		For Anchoring Tabs, Add	*46.37*	
		For Rear Operated Opposed Blade Damper, Add	*170.09*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*115.94*	
		For Stainless Steel, Add	*579.68*	
23 37 13 43-0029	EA	18" x 12" Steel Security Grille	596.10	41.40
		For Anchoring Tabs, Add	*51.33*	
		For Rear Operated Opposed Blade Damper, Add	*187.94*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*128.33*	
		For Stainless Steel, Add	*641.63*	
23 37 13 43-0030	EA	18" x 14" Steel Security Grille	637.32	40.78
		For Anchoring Tabs, Add	*55.58*	
		For Rear Operated Opposed Blade Damper, Add	*202.68*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*138.95*	
		For Stainless Steel, Add	*694.73*	
23 37 13 43-0031	EA	18" x 16" Steel Security Grille	697.73	42.66
		For Anchoring Tabs, Add	*61.24*	
		For Rear Operated Opposed Blade Damper, Add	*222.88*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*153.11*	
		For Stainless Steel, Add	*765.53*	
23 37 13 43-0032	EA	18" x 18" Steel Security Grille	747.51	44.54
		For Anchoring Tabs, Add	*65.84*	
		For Rear Operated Opposed Blade Damper, Add	*239.36*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*164.61*	
		For Stainless Steel, Add	*823.05*	
23 37 13 43-0033	EA	20" x 6" Steel Security Grille	463.42	37.01
		For Anchoring Tabs, Add	*38.94*	
		For Rear Operated Opposed Blade Damper, Add	*143.69*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*97.35*	
		For Stainless Steel, Add	*486.75*	
23 37 13 43-0034	EA	20" x 8" Steel Security Grille	524.04	40.78
		For Anchoring Tabs, Add	*44.25*	
		For Rear Operated Opposed Blade Damper, Add	*163.03*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*110.63*	
		For Stainless Steel, Add	*553.13*	
23 37 13 43-0035	EA	20" x 10" Steel Security Grille	577.37	42.66
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*180.75*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*615.08*	
23 37 13 43-0036	EA	20" x 12" Steel Security Grille	635.49	45.17
		For Anchoring Tabs, Add	*54.52*	
		For Rear Operated Opposed Blade Damper, Add	*199.84*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*136.29*	
		For Stainless Steel, Add	*681.45*	
23 37 13 43-0037	EA	20" x 14" Steel Security Grille	699.42	47.05
		For Anchoring Tabs, Add	*60.53*	
		For Rear Operated Opposed Blade Damper, Add	*221.28*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*151.34*	
		For Stainless Steel, Add	*756.68*	
23 37 13 43-0038	EA	20" x 16" Steel Security Grille	756.29	48.93
		For Anchoring Tabs, Add	*65.84*	
		For Rear Operated Opposed Blade Damper, Add	*240.24*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*164.61*	
		For Stainless Steel, Add	*823.05*	
23 37 13 43-0039	EA	20" x 18" Steel Security Grille	809.61	50.81
		For Anchoring Tabs, Add	*70.80*	
		For Rear Operated Opposed Blade Damper, Add	*257.96*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*177.00*	
		For Stainless Steel, Add	*885.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 43-0040	EA	20" x 20" Steel Security Grille	873.56	52.69
		For Anchoring Tabs, Add	*76.82*	
		For Rear Operated Opposed Blade Damper, Add	*279.40*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*192.05*	
		For Stainless Steel, Add	*960.23*	
23 37 13 43-0041	EA	24" x 6" Steel Security Grille	514.67	41.40
		For Anchoring Tabs, Add	*43.19*	
		For Rear Operated Opposed Blade Damper, Add	*159.44*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*107.97*	
		For Stainless Steel, Add	*539.85*	
23 37 13 43-0042	EA	24" x 8" Steel Security Grille	582.38	45.17
		For Anchoring Tabs, Add	*49.21*	
		For Rear Operated Opposed Blade Damper, Add	*181.25*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*123.02*	
		For Stainless Steel, Add	*615.08*	
23 37 13 43-0043	EA	24" x 10" Steel Security Grille	637.99	46.42
		For Anchoring Tabs, Add	*54.52*	
		For Rear Operated Opposed Blade Damper, Add	*200.09*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*136.29*	
		For Stainless Steel, Add	*681.45*	
23 37 13 43-0044	EA	24" x 12" Steel Security Grille	715.28	51.43
		For Anchoring Tabs, Add	*61.24*	
		For Rear Operated Opposed Blade Damper, Add	*224.63*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*153.11*	
		For Stainless Steel, Add	*765.53*	
23 37 13 43-0045	EA	24" x 14" Steel Security Grille	772.14	53.32
		For Anchoring Tabs, Add	*66.55*	
		For Rear Operated Opposed Blade Damper, Add	*243.59*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*166.38*	
		For Stainless Steel, Add	*831.90*	
23 37 13 43-0046	EA	24" x 16" Steel Security Grille	843.17	55.20
		For Anchoring Tabs, Add	*73.28*	
		For Rear Operated Opposed Blade Damper, Add	*267.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*183.20*	
		For Stainless Steel, Add	*915.98*	
23 37 13 43-0047	EA	24" x 18" Steel Security Grille	924.80	57.08
		For Anchoring Tabs, Add	*81.07*	
		For Rear Operated Opposed Blade Damper, Add	*295.15*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*202.67*	
		For Stainless Steel, Add	*1,013.33*	
23 37 13 43-0048	EA	24" x 20" Steel Security Grille	981.66	58.96
		For Anchoring Tabs, Add	*86.38*	
		For Rear Operated Opposed Blade Damper, Add	*314.11*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*215.94*	
		For Stainless Steel, Add	*1,079.70*	
23 37 13 43-0049	EA	24" x 24" Steel Security Grille	1,102.47	62.73
		For Anchoring Tabs, Add	*97.70*	
		For Rear Operated Opposed Blade Damper, Add	*354.51*	
		For Each Square Inch With 1/4" Steel Backer Plate Case Hardened To Rockwell "C" 56/58, Add	*0.35*	
		For 1" x 1" Square Holes On Face, Add	*244.26*	
		For Stainless Steel, Add	*1,221.30*	

23 37 23 HVAC Gravity Ventilators *(23 37)*

23 37 23 13 HVAC Gravity Dome Ventilators *(23 37 23)*

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood *(23 37 23 13)*

Note: Includes flange base and bird screen. Excludes curb.

23 37 23 13-0002	EA	8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,335.01	72.63
23 37 23 13-0003	EA	8" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,406.92	83.15
23 37 23 13-0004	EA	8" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,759.43	103.44
23 37 23 13-0005	EA	8" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,874.12	110.08
23 37 23 13-0006	EA	8" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,188.47	128.11
23 37 23 13-0007	EA	10" x 10" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,575.91	82.65
23 37 23 13-0008	EA	12" x 12" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,731.72	93.17
23 37 23 13-0009	EA	12" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,016.28	100.18
23 37 23 13-0010	EA	12" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,184.59	121.42
23 37 23 13-0011	EA	12" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,522.56	130.24
23 37 23 13-0012	EA	12" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,860.26	138.25
23 37 23 13-0013	EA	14" x 14" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	1,886.51	94.29
23 37 23 13-0014	EA	14" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,149.77	107.45
23 37 23 13-0015	EA	14" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,413.05	120.60
23 37 23 13-0016	EA	14" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,720.09	136.00
23 37 23 13-0017	EA	14" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,071.15	153.54
23 37 23 13-0018	EA	16" x 16" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,281.31	114.08
23 37 23 13-0019	EA	16" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,369.10	118.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0020	EA	16" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,632.35	131.62
23 37 23 13-0021	EA	16" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,983.29	149.15
23 37 23 13-0022	EA	16" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,334.23	166.68
23 37 23 13-0023	EA	16" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,816.85	190.85
23 37 23 13-0024	EA	18" x 18" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,268.29	112.45
23 37 23 13-0025	EA	18" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,639.41	130.87
23 37 23 13-0026	EA	18" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,010.65	149.28
23 37 23 13-0027	EA	18" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,423.04	169.68
23 37 23 13-0028	EA	18" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,794.19	188.09
23 37 23 13-0029	EA	20" x 20" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,378.02	124.73
23 37 23 13-0030	EA	20" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,689.82	141.13
23 37 23 13-0031	EA	20" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,001.74	157.41
23 37 23 13-0032	EA	20" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,469.58	181.95
23 37 23 13-0033	EA	20" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,820.38	200.37
23 37 23 13-0034	EA	24" x 24" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	2,992.63	167.68
23 37 23 13-0035	EA	24" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,321.06	186.09
23 37 23 13-0036	EA	24" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,795.54	212.64
23 37 23 13-0037	EA	24" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,160.48	233.05
23 37 23 13-0038	EA	24" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,561.93	255.59
23 37 23 13-0039	EA	30" x 30" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,605.75	190.85
23 37 23 13-0040	EA	30" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	3,973.01	210.26
23 37 23 13-0041	EA	30" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,373.75	231.42
23 37 23 13-0042	EA	30" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,774.36	252.71
23 37 23 13-0043	EA	30" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,809.30	307.43
23 37 23 13-0044	EA	30" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,210.04	328.60
23 37 23 13-0045	EA	36" x 36" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,150.43	236.81
23 37 23 13-0046	EA	36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,553.02	259.73
23 37 23 13-0047	EA	36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	5,451.23	310.95
23 37 23 13-0048	EA	36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,070.64	346.26
23 37 23 13-0049	EA	36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,442.41	367.55
23 37 23 13-0050	EA	36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,937.93	395.73
23 37 23 13-0051	EA	36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,805.21	445.19
23 37 23 13-0052	EA	42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	4,959.91	265.11
23 37 23 13-0053	EA	42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,158.04	329.11
23 37 23 13-0054	EA	42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,021.90	375.31
23 37 23 13-0055	EA	42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,272.62	388.71
23 37 23 13-0056	EA	42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,108.57	433.30
23 37 23 13-0057	EA	42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,916.62	476.50
23 37 23 13-0058	EA	48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	6,533.43	382.70
23 37 23 13-0059	EA	48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,067.39	414.01
23 37 23 13-0060	EA	48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,601.22	445.32
23 37 23 13-0061	EA	48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,440.14	494.40
23 37 23 13-0062	EA	48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,947.43	500.91
23 37 23 13-0063	EA	54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	7,589.92	431.41
23 37 23 13-0064	EA	54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	8,513.67	483.89
23 37 23 13-0065	EA	54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,237.77	525.08
23 37 23 13-0066	EA	54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,836.87	559.15
23 37 23 13-0067	EA	60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,460.62	537.11
23 37 23 13-0068	EA	60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,931.11	572.55
23 37 23 13-0069	EA	60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	10,644.73	616.51
23 37 23 13-0070	EA	66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	9,906.58	619.39
23 37 23 13-0071	EA	66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,584.57	724.33
23 37 23 13-0072	EA	72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI)	11,980.17	667.85

23 38 Ventilation Hoods *(23 30)*

23 38 13 Commercial-Kitchen Hoods *(23 38)*

23 38 13 13 Listed Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 13-0001 Universal Ventless Hood *(23 38 13 13)*

23 38 13 13-0002	EA	109" Wide x 50" Deep x 102" High, Ventless Exhaust Hood With Stand, (Wells WVU-96)	54,385.56	521.42

23 38 13 16 Standard Commercial-Kitchen Hoods *(23 38 13)*

23 38 13 16-0001 Commercial Kitchen Hood Ventilation System *(23 38 13 16)*

Note: Excludes fire suppression. See CSI section 23 34 16 00-0108 for exhaust and supply fans.

23 38 13 16-0002 Dry Filter Exhaust Hoods *(23 38 13 16-0001)*

Note: Includes stainless steel filters, exhaust damper and 48" long fluorescent light fixtures.

23 38 13 16-0003	EA	8' Long x 60" Deep Dry Filter Exhaust Hood	12,863.59	978.27
23 38 13 16-0004	EA	8'-6" Long x 60" Deep Dry Filter Exhaust Hood	13,398.19	1,039.42
23 38 13 16-0005	EA	9' Long x 60" Deep Dry Filter Exhaust Hood	14,949.97	1,100.56
23 38 13 16-0006	EA	9'-6" Long x 60" Deep Dry Filter Exhaust Hood	15,400.21	1,161.70
23 38 13 16-0007	EA	10' Long x 60" Deep Dry Filter Exhaust Hood	15,949.84	1,222.84
23 38 13 16-0008	EA	10'-6" Long x 60" Deep Dry Filter Exhaust Hood	16,531.19	1,283.99
23 38 13 16-0009	EA	11' Long x 60" Deep Dry Filter Exhaust Hood	17,081.55	1,345.13
23 38 13 16-0010	EA	11'-6" Long x 60" Deep Dry Filter Exhaust Hood	17,648.93	1,406.27
23 38 13 16-0011	EA	12' Long x 60" Deep Dry Filter Exhaust Hood	18,281.09	1,467.42
23 38 13 16-0012	EA	12'-6" Long x 60" Deep Dry Filter Exhaust Hood	18,828.39	1,528.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0013	EA	13' Long x 60" Deep Dry Filter Exhaust Hood	19,279.81	1,589.70
23 38 13 16-0014	EA	13'-6" Long x 60" Deep Dry Filter Exhaust Hood	20,045.53	1,650.84
23 38 13 16-0015	EA	14' Long x 60" Deep Dry Filter Exhaust Hood	22,446.82	1,711.98
23 38 13 16-0016	EA	14'-6" Long x 60" Deep Dry Filter Exhaust Hood	23,049.67	1,773.12
23 38 13 16-0017	EA	15" Long x 60" Deep Dry Filter Exhaust Hood	23,872.15	1,834.26
23 38 13 16-0018	EA	15'-6" Long x 60" Deep Dry Filter Exhaust Hood	24,488.90	1,895.41
23 38 13 16-0019	EA	16' Long x 60" Deep Dry Filter Exhaust Hood	25,415.04	1,956.55
23 38 13 16-0020		**Dry Extractor Exhaust Hoods** *(23 38 13 16-0001)*		
		Note: Includes extractor inserts, exhaust damper, 48" long fluorescent light fixtures, and UDS filler panels.		
23 38 13 16-0021	EA	8' Long x 60" Deep Dry Extractor Exhaust Hood	18,054.97	978.27
23 38 13 16-0022	EA	8'-6" Long x 60" Deep Dry Extractor Exhaust Hood	18,622.43	1,039.42
23 38 13 16-0023	EA	9' Long x 60" Deep Dry Extractor Exhaust Hood	20,272.77	1,100.56
23 38 13 16-0024	EA	9'-6" Long x 60" Deep Dry Extractor Exhaust Hood	20,854.45	1,161.70
23 38 13 16-0025	EA	10' Long x 60" Deep Dry Extractor Exhaust Hood	21,436.93	1,222.84
23 38 13 16-0026	EA	10'-6" Long x 60" Deep Dry Extractor Exhaust Hood	21,985.42	1,283.99
23 38 13 16-0027	EA	11' Long x 60" Deep Dry Extractor Exhaust Hood	22,568.64	1,345.13
23 38 13 16-0028	EA	11'-6" Long x 60" Deep Dry Extractor Exhaust Hood	23,119.59	1,406.27
23 38 13 16-0029	EA	12' Long x 60" Deep Dry Extractor Exhaust Hood	23,636.76	1,467.42
23 38 13 16-0030	EA	12'-6" Long x 60" Deep Dry Extractor Exhaust Hood	24,381.20	1,528.56
23 38 13 16-0031	EA	13' Long x 60" Deep Dry Extractor Exhaust Hood	25,243.32	1,589.70
23 38 13 16-0032	EA	13'-6" Long x 60" Deep Dry Extractor Exhaust Hood	26,156.90	1,650.84
23 38 13 16-0033	EA	14' Long x 60" Deep Dry Extractor Exhaust Hood	28,081.76	1,711.98
23 38 13 16-0034	EA	14'-6" Long x 60" Deep Dry Extractor Exhaust Hood	29,013.19	1,773.12
23 38 13 16-0035	EA	15" Long x 60" Deep Dry Extractor Exhaust Hood	30,837.80	1,834.26
23 38 13 16-0036	EA	15'-6" Long x 60" Deep Dry Extractor Exhaust Hood	32,686.67	1,895.41
23 38 13 16-0037	EA	16' Long x 60" Deep Dry Extractor Exhaust Hood	34,516.38	1,956.55
23 38 13 16-0038		**Single Manifold Water Wash Exhaust Hoods** *(23 38 13 16-0001)*		
		Note: Includes extraction baffles, 48" long fluorescent light fixtures, and UDS filler panels. Excludes fan wash control panel.		
23 38 13 16-0039	EA	8' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,369.24	978.27
23 38 13 16-0040	EA	8'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	19,969.56	1,039.42
23 38 13 16-0041	EA	9' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	21,652.76	1,100.56
23 38 13 16-0042	EA	9'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,250.86	1,161.70
23 38 13 16-0043	EA	10' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	22,882.63	1,222.84
23 38 13 16-0044	EA	10'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	23,463.98	1,283.99
23 38 13 16-0045	EA	11' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,063.62	1,345.13
23 38 13 16-0046	EA	11'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	24,663.87	1,406.27
23 38 13 16-0047	EA	12' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	25,197.46	1,467.42
23 38 13 16-0048	EA	12'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,007.61	1,528.56
23 38 13 16-0049	EA	13' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	26,935.45	1,589.70
23 38 13 16-0050	EA	13'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	27,914.74	1,650.84
23 38 13 16-0051	EA	14' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	29,905.32	1,711.98
23 38 13 16-0052	EA	14'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	30,902.45	1,773.12
23 38 13 16-0053	EA	15" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	32,907.78	1,834.26
23 38 13 16-0054	EA	15'-6" Long x 60" Deep Single Manifold Water Wash Exhaust Hood	33,902.38	1,895.41
23 38 13 16-0055	EA	16' Long x 60" Deep Single Manifold Water Wash Exhaust Hood	34,894.23	1,956.55
23 38 13 16-0056	EA	Fan Wash Control Panel Note: Includes time clock and backflow preventer.	13,919.52	489.14
23 38 13 16-0057		**Utility Distribution System (UDS)** *(23 38 13 16-0001)*		
		Note: Includes "L" shaped primary riser, secondary riser, horizontal mechanical and electrical raceway; 2" IPS looped gas manifold with two (2) solenoid gas valves; 1" hot water manifold; 1" cold water manifold; 100 Amp 120-208 VAC/3 Ph/60 Hz main shunt trip connectors; equipment restraints; flexible drain connectors; and power interruption device. Excludes main shunt breaker.		
23 38 13 16-0058	EA	8' Long Utility Distribution System (UDS)	36,999.05	497.46
23 38 13 16-0059	EA	8'-6" Long Utility Distribution System (UDS)	38,091.23	509.56
23 38 13 16-0060	EA	9' Long Utility Distribution System (UDS)	39,171.51	521.42
23 38 13 16-0061	EA	9'-6" Long Utility Distribution System (UDS)	40,261.46	538.05
23 38 13 16-0062	EA	10' Long Utility Distribution System (UDS)	41,344.50	551.26
23 38 13 16-0063	EA	10'-6" Long Utility Distribution System (UDS)	42,417.39	565.19
23 38 13 16-0064	EA	11' Long Utility Distribution System (UDS)	43,504.77	574.85
23 38 13 16-0065	EA	11'-6" Long Utility Distribution System (UDS)	44,591.60	590.03
23 38 13 16-0066	EA	12' Long Utility Distribution System (UDS)	45,691.10	611.43
23 38 13 16-0067	EA	12'-6" Long Utility Distribution System (UDS)	46,805.92	640.52
23 38 13 16-0068	EA	13' Long Utility Distribution System (UDS)	47,900.17	659.36
23 38 13 16-0069	EA	13'-6" Long Utility Distribution System (UDS)	49,010.58	686.26
23 38 13 16-0070	EA	14' Long Utility Distribution System (UDS)	50,110.50	707.90
23 38 13 16-0071	EA	14'-6" Long Utility Distribution System (UDS)	51,213.25	731.02
23 38 13 16-0072	EA	15' Long Utility Distribution System (UDS)	52,319.12	755.72
23 38 13 16-0073	EA	15'-6" Long Utility Distribution System (UDS)	53,428.42	782.01
23 38 13 16-0074	EA	16' Long Utility Distribution System (UDS)	54,522.25	800.71
23 38 13 16-0075		**Stainless Steel Exhaust Hood Material** *(23 38 13 16)*		
		Note: Welded seams.		
23 38 13 16-0076	SF	16 Gauge, Type 304, Stainless Steel Exhaust Hood Material	50.38	16.36
		For Type 316 Stainless Steel, Add	*1.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 38 13 16-0077	SF	14 Gauge, Type 304, Stainless Steel Exhaust Hood Material	62.98	21.81
		For Type 316 Stainless Steel, Add	*2.06*	
23 38 13 16-0078	SF	12 Gauge, Type 304, Stainless Steel Exhaust Hood Material	87.49	29.44
		For Type 316 Stainless Steel, Add	*2.88*	
23 38 13 16-0079	SF	10 Gauge, Type 304, Stainless Steel Exhaust Hood Material	109.69	35.98
		For Type 316 Stainless Steel, Add	*3.70*	
23 38 13 16-0080		Kitchen Exhaust Hood *(23 38 13 16)*		
23 38 13 16-0081	EA	10' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System With PSP Makeup Air (Halifax LPSHP1048) Note: Ductwork connections by others.	10,882.44	2,310.92
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0082	EA	8' x 4', Type 1, Commercial Kitchen Hood System With Short Cycle Makeup Air (Halifax SCHP848) Note: Ductwork connections by others.	9,958.07	1,848.74
		For Type 316 Stainless Steel, Add	*626.06*	
23 38 13 16-0083	EA	4' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP448) Note: Ductwork connections by others.	5,416.08	924.37
		For Type 316 Stainless Steel, Add	*356.73*	
23 38 13 16-0084	EA	6' x 4', Type 1, Low Ceiling Sloped Front Commercial Kitchen Hood System (Halifax LEXHP648) Note: Ductwork connections by others.	6,951.79	1,386.56
		For Type 316 Stainless Steel, Add	*417.87*	
23 38 13 16-0085	EA	5' x 4', Type 1, Commercial Kitchen Hood System (Halifax EXHP548) Note: Ductwork connections by others.	6,274.81	1,155.46
		For Type 316 Stainless Steel, Add	*396.39*	

23 40 HVAC Air Cleaning Devices *(23)*

23 41 Particulate Air Filtration *(23 40)*

23 41 13 Panel Air Filters *(23 41)*

23 41 13 00-0001 Disposable Air Filters *(23 41 13)*

23 41 13 00-0002	EA	Throwaway Glass Or Paper Media Filter, Residential	13.68	
23 41 13 00-0003		Disposable Fiberglass Air Filters *(23 41 13)*		
23 41 13 00-0004	EA	8" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.82	6.02
23 41 13 00-0005	EA	8" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.82	6.02
23 41 13 00-0006	EA	8" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.52	6.02
23 41 13 00-0007	EA	10" x 10" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.41	6.30
23 41 13 00-0008	EA	10" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.41	6.30
23 41 13 00-0009	EA	10" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.41	6.30
23 41 13 00-0010	EA	10" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.41	6.30
23 41 13 00-0011	EA	10" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.65	6.30
23 41 13 00-0012	EA	12" x 12" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.18	6.58
23 41 13 00-0013	EA	12" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.16	6.58
23 41 13 00-0014	EA	12" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.48	6.58
23 41 13 00-0015	EA	12" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.48	6.58
23 41 13 00-0016	EA	12" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	13.48	6.58
23 41 13 00-0017	EA	12" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.12	6.58
23 41 13 00-0018	EA	12" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.13	6.58
23 41 13 00-0019	EA	14" x 14" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.27	6.96
23 41 13 00-0020	EA	14" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.79	6.96
23 41 13 00-0021	EA	14" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.30	6.96
23 41 13 00-0022	EA	14" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.27	6.96
23 41 13 00-0023	EA	14" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.30	6.96
23 41 13 00-0024	EA	14" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.18	6.96
23 41 13 00-0025	EA	15" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.46	7.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0026	EA	15" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.46	7.16
23 41 13 00-0027	EA	15" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.86	7.16
23 41 13 00-0028	EA	16" x 16" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.62	7.25
23 41 13 00-0029	EA	16" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.26	7.25
23 41 13 00-0030	EA	16" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.67	7.25
23 41 13 00-0031	EA	16" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.64	7.25
23 41 13 00-0032	EA	16" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.04	7.25
23 41 13 00-0033	EA	16" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.00	7.25
23 41 13 00-0034	EA	16" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.66	7.25
23 41 13 00-0035	EA	16" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	22.37	7.25
23 41 13 00-0036	EA	18" x 18" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.01	7.53
23 41 13 00-0037	EA	18" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.63	7.53
23 41 13 00-0038	EA	18" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.01	7.53
23 41 13 00-0039	EA	18" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.29	7.53
23 41 13 00-0040	EA	18" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.14	7.53
23 41 13 00-0041	EA	18" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.26	7.53
23 41 13 00-0042	EA	19" x 27" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.87	7.90
23 41 13 00-0043	EA	20" x 20" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.91	7.90
23 41 13 00-0044	EA	20" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.24	7.90
23 41 13 00-0045	EA	20" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.46	7.90
23 41 13 00-0046	EA	20" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.04	7.90
23 41 13 00-0047	EA	20" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	23.54	7.90
23 41 13 00-0048	EA	20" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	21.17	7.90
23 41 13 00-0049	EA	21" x 21" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.21	8.00
23 41 13 00-0050	EA	22" x 22" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.35	8.09
23 41 13 00-0051	EA	24" x 24" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.48	8.18
23 41 13 00-0052	EA	24" x 30" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.13	8.18
23 41 13 00-0053	EA	24" x 36" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	25.70	8.18
23 41 13 00-0054	EA	25" x 25" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.60	8.28
23 41 13 00-0055	EA	25" x 32" x 1" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	26.21	8.28
23 41 13 00-0056	EA	10" x 10" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	15.40	6.30
23 41 13 00-0057	EA	10" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	14.31	6.30
23 41 13 00-0058	EA	12" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	16.73	6.58
23 41 13 00-0059	EA	14" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.23	6.96
23 41 13 00-0060	EA	14" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.23	6.96
23 41 13 00-0061	EA	15" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.58	7.16
23 41 13 00-0062	EA	16" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.48	7.25
23 41 13 00-0063	EA	16" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.31	7.25
23 41 13 00-0064	EA	16" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	17.71	7.25
23 41 13 00-0065	EA	18" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	18.79	7.53
23 41 13 00-0066	EA	20" x 20" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.41	7.90
23 41 13 00-0067	EA	20" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.13	7.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0068	EA	20" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.13	7.90
23 41 13 00-0069	EA	24" x 24" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.80	8.18
23 41 13 00-0070	EA	25" x 25" x 2" Disposable Fiberglass Air Filter, MERV 5 Note: One-piece kraft fiberboard frame with two metal grids.	19.92	8.28
23 41 13 00-0071		Disposable Pleated Air Filters *(23 41 13)*		
23 41 13 00-0072	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 8	14.52	6.30
23 41 13 00-0073	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.75	6.30
23 41 13 00-0074	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.45	6.30
23 41 13 00-0075	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 8	18.81	6.58
23 41 13 00-0076	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.46	6.58
23 41 13 00-0077	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 8	17.25	6.58
23 41 13 00-0078	EA	12" x 25" x 1" Disposable Pleated Air Filter, MERV 8	17.25	6.58
23 41 13 00-0079	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.84	6.58
23 41 13 00-0080	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 8	21.31	6.96
23 41 13 00-0081	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 8	17.96	6.96
23 41 13 00-0082	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 8	23.02	6.96
23 41 13 00-0083	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.58	6.96
23 41 13 00-0084	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 8	26.81	6.96
23 41 13 00-0085	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.33	7.16
23 41 13 00-0086	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 8	21.68	7.25
23 41 13 00-0087	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 8	18.05	7.25
23 41 13 00-0088	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.10	7.25
23 41 13 00-0089	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 8	18.74	7.25
23 41 13 00-0090	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 8	27.18	7.25
23 41 13 00-0091	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 8	29.08	7.53
23 41 13 00-0092	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 8	21.43	7.53
23 41 13 00-0093	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.05	7.53
23 41 13 00-0094	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.79	7.53
23 41 13 00-0095	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 8	29.26	7.53
23 41 13 00-0096	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 8	19.73	7.90
23 41 13 00-0097	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 8	21.12	7.90
23 41 13 00-0098	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 8	20.88	7.90
23 41 13 00-0099	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 8	23.65	7.90
23 41 13 00-0100	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 8	28.82	8.09
23 41 13 00-0101	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 8	22.50	8.18
23 41 13 00-0102	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 8	35.62	8.18
23 41 13 00-0103	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 8	23.83	8.28
23 41 13 00-0104	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 8	17.21	6.30
23 41 13 00-0105	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 8	22.56	6.58
23 41 13 00-0106	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.05	6.58
23 41 13 00-0107	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 8	17.77	6.58
23 41 13 00-0108	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.79	6.96
23 41 13 00-0109	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.63	6.96
23 41 13 00-0110	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 8	19.03	7.16
23 41 13 00-0111	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 8	24.02	7.25
23 41 13 00-0112	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 8	18.64	7.25
23 41 13 00-0113	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.31	7.25
23 41 13 00-0114	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 8	19.72	7.25
23 41 13 00-0115	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 8	27.76	7.53
23 41 13 00-0116	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 8	23.63	7.53
23 41 13 00-0117	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 8	21.43	7.53
23 41 13 00-0118	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.27	7.53
23 41 13 00-0119	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 8	20.81	7.90
23 41 13 00-0120	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 8	22.33	7.90
23 41 13 00-0121	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 8	22.07	7.90
23 41 13 00-0122	EA	20" x 30" x 2" Disposable Pleated Air Filter, MERV 8	32.03	7.90
23 41 13 00-0123	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 8	23.68	8.18
23 41 13 00-0124	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 8	26.20	8.28
23 41 13 00-0125	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 8	27.42	6.58
23 41 13 00-0126	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 8	29.62	7.25
23 41 13 00-0127	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 8	31.69	7.25
23 41 13 00-0128	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 8	34.19	7.53
23 41 13 00-0129	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 8	32.46	7.90
23 41 13 00-0130	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 8	35.36	7.90
23 41 13 00-0131	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 8	35.63	7.90
23 41 13 00-0132	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 8	38.92	8.18
23 41 13 00-0133	EA	10" x 20" x 1" Disposable Pleated Air Filter, MERV 11	24.92	6.30
23 41 13 00-0134	EA	10" x 24" x 1" Disposable Pleated Air Filter, MERV 11	24.92	6.30
23 41 13 00-0135	EA	10" x 30" x 1" Disposable Pleated Air Filter, MERV 11	32.41	6.30
23 41 13 00-0136	EA	12" x 12" x 1" Disposable Pleated Air Filter, MERV 11	26.43	6.58
23 41 13 00-0137	EA	12" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.75	6.58
23 41 13 00-0138	EA	12" x 24" x 1" Disposable Pleated Air Filter, MERV 11	25.64	6.58
23 41 13 00-0139	EA	12" x 30" x 1" Disposable Pleated Air Filter, MERV 11	36.81	6.58
23 41 13 00-0140	EA	14" x 14" x 1" Disposable Pleated Air Filter, MERV 11	30.05	6.96
23 41 13 00-0141	EA	14" x 20" x 1" Disposable Pleated Air Filter, MERV 11	26.42	6.96
23 41 13 00-0142	EA	14" x 24" x 1" Disposable Pleated Air Filter, MERV 11	34.22	6.96
23 41 13 00-0143	EA	14" x 25" x 1" Disposable Pleated Air Filter, MERV 11	33.47	6.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0144	EA	14" x 30" x 1" Disposable Pleated Air Filter, MERV 11	39.35	6.96
23 41 13 00-0145	EA	15" x 20" x 1" Disposable Pleated Air Filter, MERV 11	25.33	7.16
23 41 13 00-0146	EA	16" x 16" x 1" Disposable Pleated Air Filter, MERV 11	36.04	7.25
23 41 13 00-0147	EA	16" x 20" x 1" Disposable Pleated Air Filter, MERV 11	23.64	7.25
23 41 13 00-0148	EA	16" x 24" x 1" Disposable Pleated Air Filter, MERV 11	30.59	7.25
23 41 13 00-0149	EA	16" x 25" x 1" Disposable Pleated Air Filter, MERV 11	28.08	7.25
23 41 13 00-0150	EA	16" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.20	7.25
23 41 13 00-0151	EA	18" x 18" x 1" Disposable Pleated Air Filter, MERV 11	38.05	7.53
23 41 13 00-0152	EA	18" x 20" x 1" Disposable Pleated Air Filter, MERV 11	32.23	7.53
23 41 13 00-0153	EA	18" x 24" x 1" Disposable Pleated Air Filter, MERV 11	29.02	7.53
23 41 13 00-0154	EA	18" x 25" x 1" Disposable Pleated Air Filter, MERV 11	30.96	7.53
23 41 13 00-0155	EA	18" x 30" x 1" Disposable Pleated Air Filter, MERV 11	43.05	7.53
23 41 13 00-0156	EA	20" x 20" x 1" Disposable Pleated Air Filter, MERV 11	29.14	7.90
23 41 13 00-0157	EA	20" x 24" x 1" Disposable Pleated Air Filter, MERV 11	32.01	7.90
23 41 13 00-0158	EA	20" x 25" x 1" Disposable Pleated Air Filter, MERV 11	32.32	7.90
23 41 13 00-0159	EA	20" x 30" x 1" Disposable Pleated Air Filter, MERV 11	37.67	7.90
23 41 13 00-0160	EA	22" x 22" x 1" Disposable Pleated Air Filter, MERV 11	41.73	8.09
23 41 13 00-0161	EA	24" x 24" x 1" Disposable Pleated Air Filter, MERV 11	35.10	8.18
23 41 13 00-0162	EA	24" x 30" x 1" Disposable Pleated Air Filter, MERV 11	45.59	8.18
23 41 13 00-0163	EA	25" x 25" x 1" Disposable Pleated Air Filter, MERV 11	39.53	8.28
23 41 13 00-0164	EA	10" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.36	6.30
23 41 13 00-0165	EA	12" x 12" x 2" Disposable Pleated Air Filter, MERV 11	26.72	6.58
23 41 13 00-0166	EA	12" x 20" x 2" Disposable Pleated Air Filter, MERV 11	25.39	6.58
23 41 13 00-0167	EA	12" x 24" x 2" Disposable Pleated Air Filter, MERV 11	29.86	6.58
23 41 13 00-0168	EA	14" x 20" x 2" Disposable Pleated Air Filter, MERV 11	26.73	6.96
23 41 13 00-0169	EA	14" x 25" x 2" Disposable Pleated Air Filter, MERV 11	28.02	6.96
23 41 13 00-0170	EA	15" x 20" x 2" Disposable Pleated Air Filter, MERV 11	27.45	7.16
23 41 13 00-0171	EA	16" x 16" x 2" Disposable Pleated Air Filter, MERV 11	36.79	7.25
23 41 13 00-0172	EA	16" x 20" x 2" Disposable Pleated Air Filter, MERV 11	32.00	7.25
23 41 13 00-0173	EA	16" x 24" x 2" Disposable Pleated Air Filter, MERV 11	31.19	7.25
23 41 13 00-0174	EA	16" x 25" x 2" Disposable Pleated Air Filter, MERV 11	35.35	7.25
23 41 13 00-0175	EA	18" x 18" x 2" Disposable Pleated Air Filter, MERV 11	42.42	7.53
23 41 13 00-0176	EA	18" x 20" x 2" Disposable Pleated Air Filter, MERV 11	33.59	7.53
23 41 13 00-0177	EA	18" x 24" x 2" Disposable Pleated Air Filter, MERV 11	38.37	7.53
23 41 13 00-0178	EA	18" x 25" x 2" Disposable Pleated Air Filter, MERV 11	33.21	7.53
23 41 13 00-0179	EA	20" x 20" x 2" Disposable Pleated Air Filter, MERV 11	36.85	7.90
23 41 13 00-0180	EA	20" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.51	7.90
23 41 13 00-0181	EA	20" x 25" x 2" Disposable Pleated Air Filter, MERV 11	39.90	7.90
23 41 13 00-0182	EA	24" x 24" x 2" Disposable Pleated Air Filter, MERV 11	39.89	8.18
23 41 13 00-0183	EA	25" x 25" x 2" Disposable Pleated Air Filter, MERV 11	40.40	8.28
23 41 13 00-0184	EA	12" x 24" x 4" Disposable Pleated Air Filter, MERV 11	48.66	6.58
23 41 13 00-0185	EA	16" x 20" x 4" Disposable Pleated Air Filter, MERV 11	49.82	7.25
23 41 13 00-0186	EA	16" x 25" x 4" Disposable Pleated Air Filter, MERV 11	59.36	7.25
23 41 13 00-0187	EA	18" x 24" x 4" Disposable Pleated Air Filter, MERV 11	59.27	7.53
23 41 13 00-0188	EA	20" x 20" x 4" Disposable Pleated Air Filter, MERV 11	59.04	7.90
23 41 13 00-0189	EA	20" x 24" x 4" Disposable Pleated Air Filter, MERV 11	65.03	7.90
23 41 13 00-0190	EA	20" x 25" x 4" Disposable Pleated Air Filter, MERV 11	65.03	7.90
23 41 13 00-0191	EA	24" x 24" x 4" Disposable Pleated Air Filter, MERV 11	72.60	8.18
23 41 13 00-0192	EA	8" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.84	6.02
23 41 13 00-0193	EA	8" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.84	6.02
23 41 13 00-0194	EA	8" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.84	6.02
23 41 13 00-0195	EA	10" x 10" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.21	6.30
23 41 13 00-0196	EA	10" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	30.81	6.30
23 41 13 00-0197	EA	10" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.21	6.30
23 41 13 00-0198	EA	10" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.21	6.30
23 41 13 00-0199	EA	10" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.21	6.30
23 41 13 00-0200	EA	12" x 12" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.20	6.58
23 41 13 00-0201	EA	12" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.60	6.58
23 41 13 00-0202	EA	12" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.20	6.58
23 41 13 00-0203	EA	12" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.20	6.58
23 41 13 00-0204	EA	12" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.60	6.58
23 41 13 00-0205	EA	12" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.60	6.58
23 41 13 00-0206	EA	12" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.00	6.58
23 41 13 00-0207	EA	14" x 14" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.70	6.96
23 41 13 00-0208	EA	14" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.10	6.96
23 41 13 00-0209	EA	14" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.70	6.96
23 41 13 00-0210	EA	14" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.70	6.96
23 41 13 00-0211	EA	14" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.70	6.96
23 41 13 00-0212	EA	14" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.10	6.96
23 41 13 00-0213	EA	15" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	31.94	7.16
23 41 13 00-0214	EA	15" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.34	7.16
23 41 13 00-0215	EA	15" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.34	7.16
23 41 13 00-0216	EA	16" x 16" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.07	7.25
23 41 13 00-0217	EA	16" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.47	7.25
23 41 13 00-0218	EA	16" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.07	7.25
23 41 13 00-0219	EA	16" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.07	7.25
23 41 13 00-0220	EA	16" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.07	7.25
23 41 13 00-0221	EA	16" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.47	7.25
23 41 13 00-0222	EA	16" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	33.47	7.25
23 41 13 00-0223	EA	16" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.03	7.25
23 41 13 00-0224	EA	18" x 18" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.44	7.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 13 00-0225	EA	18" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.24	7.53
23 41 13 00-0226	EA	18" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.44	7.53
23 41 13 00-0227	EA	18" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.24	7.53
23 41 13 00-0228	EA	18" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.24	7.53
23 41 13 00-0229	EA	18" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.40	7.53
23 41 13 00-0230	EA	19" x 27" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.75	7.90
23 41 13 00-0231	EA	20" x 20" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.95	7.90
23 41 13 00-0232	EA	20" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.95	7.90
23 41 13 00-0233	EA	20" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	32.95	7.90
23 41 13 00-0234	EA	20" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.35	7.90
23 41 13 00-0235	EA	20" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.91	7.90
23 41 13 00-0236	EA	20" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	38.91	7.90
23 41 13 00-0237	EA	21" x 21" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	35.88	8.00
23 41 13 00-0238	EA	22" x 22" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	34.60	8.09
23 41 13 00-0239	EA	24" x 24" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.54	8.18
23 41 13 00-0240	EA	24" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.54	8.18
23 41 13 00-0241	EA	24" x 36" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.09	8.18
23 41 13 00-0242	EA	25" x 25" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	37.66	8.28
23 41 13 00-0243	EA	25" x 32" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.21	8.28
23 41 13 00-0244	EA	30" x 30" x 1" Disposable Pleated Electrostatically Charged Air Filter, MERV 13	42.46	8.47

23 41 13 00-0245 Carbon Vapor Trap, Disposable V-Bank Filter *(23 41 13)*

23 41 13 00-0246	EA	24" x 24" x 12" Thick Carbon Vapor, Disposable V-Bank Filter	970.16	18.82

23 41 13 00-0247 Electrostatic Air Filters With Frame, Element And Busbar *(23 41 13)*

23 41 13 00-0248	MF3	Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar	72.91	
23 41 13 00-0249	MF3	Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar	70.42	
23 41 13 00-0250	MF3	Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar	3.04	

23 41 16 Renewable-Media Air Filters *(23 41)*

23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar *(23 41 16)*

23 41 16 00-0002	MF3	Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar	125.46	

23 41 19 Washable Air Filters *(23 41)*

23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar *(23 41 19)*

23 41 19 00-0002	MF3	Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar	47.91	

23 41 33 High-Efficiency Particulate Filtration *(23 41)*

23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters *(23 41 33)*

Note: Includes particleboard and kraft paper frame and separator material.

23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95% *(23 41 33 00-0001)*

23 41 33 00-0003	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	130.15	17.56
		For Removal And Replacement In Existing Equipment, Add	*3.51*	
		For >10 To 25, Deduct	*-3.25*	
		For >25 To 50, Deduct	*-6.51*	
		For >50 To 100, Deduct	*-9.76*	
		For >100, Deduct	*-13.02*	
23 41 33 00-0004	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	172.77	20.08
		For Removal And Replacement In Existing Equipment, Add	*4.01*	
		For >10 To 25, Deduct	*-4.32*	
		For >25 To 50, Deduct	*-8.64*	
		For >50 To 100, Deduct	*-12.96*	
		For >100, Deduct	*-17.28*	
23 41 33 00-0005	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	202.19	23.21
		For Removal And Replacement In Existing Equipment, Add	*4.64*	
		For >10 To 25, Deduct	*-5.05*	
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-15.16*	
		For >100, Deduct	*-20.22*	
23 41 33 00-0006	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	231.63	26.35
		For Removal And Replacement In Existing Equipment, Add	*5.27*	
		For >10 To 25, Deduct	*-5.79*	
		For >25 To 50, Deduct	*-11.58*	
		For >50 To 100, Deduct	*-17.37*	
		For >100, Deduct	*-23.16*	
23 41 33 00-0007	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	158.36	18.82
		For Removal And Replacement In Existing Equipment, Add	*3.76*	
		For >10 To 25, Deduct	*-3.96*	
		For >25 To 50, Deduct	*-7.92*	
		For >50 To 100, Deduct	*-11.88*	
		For >100, Deduct	*-15.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0008	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	212.40	21.96
		For Removal And Replacement In Existing Equipment, Add	*4.39*	
		For >10 To 25, Deduct	*-5.31*	
		For >25 To 50, Deduct	*-10.62*	
		For >50 To 100, Deduct	*-15.93*	
		For >100, Deduct	*-21.24*	
23 41 33 00-0009	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	253.80	25.09
		For Removal And Replacement In Existing Equipment, Add	*5.02*	
		For >10 To 25, Deduct	*-6.35*	
		For >25 To 50, Deduct	*-12.69*	
		For >50 To 100, Deduct	*-19.04*	
		For >100, Deduct	*-25.38*	
23 41 33 00-0010	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	301.45	31.37
		For Removal And Replacement In Existing Equipment, Add	*6.27*	
		For >10 To 25, Deduct	*-7.54*	
		For >25 To 50, Deduct	*-15.07*	
		For >50 To 100, Deduct	*-22.61*	
		For >100, Deduct	*-30.15*	
23 41 33 00-0011		High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% *(23 41 33 00-0001)*		
23 41 33 00-0012	EA	12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	111.55	15.68
		For Removal And Replacement In Existing Equipment, Add	*3.14*	
		For >10 To 25, Deduct	*-2.79*	
		For >25 To 50, Deduct	*-5.58*	
		For >50 To 100, Deduct	*-8.37*	
		For >100, Deduct	*-11.16*	
23 41 33 00-0013	EA	24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	154.16	18.82
		For Removal And Replacement In Existing Equipment, Add	*3.76*	
		For >10 To 25, Deduct	*-3.85*	
		For >25 To 50, Deduct	*-7.71*	
		For >50 To 100, Deduct	*-11.56*	
		For >100, Deduct	*-15.42*	
23 41 33 00-0014	EA	24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	235.36	21.96
		For Removal And Replacement In Existing Equipment, Add	*4.39*	
		For >10 To 25, Deduct	*-5.88*	
		For >25 To 50, Deduct	*-11.77*	
		For >50 To 100, Deduct	*-17.65*	
		For >100, Deduct	*-23.54*	
23 41 33 00-0015	EA	36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	302.36	25.09
		For Removal And Replacement In Existing Equipment, Add	*5.02*	
		For >10 To 25, Deduct	*-7.56*	
		For >25 To 50, Deduct	*-15.12*	
		For >50 To 100, Deduct	*-22.68*	
		For >100, Deduct	*-30.24*	
23 41 33 00-0016	EA	8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	105.20	12.55
		For Removal And Replacement In Existing Equipment, Add	*2.51*	
		For >10 To 25, Deduct	*-2.63*	
		For >25 To 50, Deduct	*-5.26*	
		For >50 To 100, Deduct	*-7.89*	
		For >100, Deduct	*-10.52*	
23 41 33 00-0017	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	139.45	16.94
		For Removal And Replacement In Existing Equipment, Add	*3.39*	
		For >10 To 25, Deduct	*-3.49*	
		For >25 To 50, Deduct	*-6.97*	
		For >50 To 100, Deduct	*-10.46*	
		For >100, Deduct	*-13.95*	
23 41 33 00-0018	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	187.50	20.08
		For Removal And Replacement In Existing Equipment, Add	*4.01*	
		For >10 To 25, Deduct	*-4.69*	
		For >25 To 50, Deduct	*-9.38*	
		For >50 To 100, Deduct	*-14.06*	
		For >100, Deduct	*-18.75*	
23 41 33 00-0019	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	220.13	23.53
		For Removal And Replacement In Existing Equipment, Add	*4.71*	
		For >10 To 25, Deduct	*-5.50*	
		For >25 To 50, Deduct	*-11.01*	
		For >50 To 100, Deduct	*-16.51*	
		For >100, Deduct	*-22.01*	
23 41 33 00-0020	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	251.51	26.35
		For Removal And Replacement In Existing Equipment, Add	*5.27*	
		For >10 To 25, Deduct	*-6.29*	
		For >25 To 50, Deduct	*-12.58*	
		For >50 To 100, Deduct	*-18.86*	
		For >100, Deduct	*-25.15*	
23 41 33 00-0021	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	171.77	18.82
		For Removal And Replacement In Existing Equipment, Add	*3.76*	
		For >10 To 25, Deduct	*-4.29*	
		For >25 To 50, Deduct	*-8.59*	
		For >50 To 100, Deduct	*-12.88*	
		For >100, Deduct	*-17.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0022	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	231.13	21.96
		For Removal And Replacement In Existing Equipment, Add	*4.39*	
		For >10 To 25, Deduct	*-5.78*	
		For >25 To 50, Deduct	*-11.56*	
		For >50 To 100, Deduct	*-17.33*	
		For >100, Deduct	*-23.11*	
23 41 33 00-0023	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	276.42	25.09
		For Removal And Replacement In Existing Equipment, Add	*5.02*	
		For >10 To 25, Deduct	*-6.91*	
		For >25 To 50, Deduct	*-13.82*	
		For >50 To 100, Deduct	*-20.73*	
		For >100, Deduct	*-27.64*	
23 41 33 00-0024	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	340.59	31.37
		For Removal And Replacement In Existing Equipment, Add	*6.27*	
		For >10 To 25, Deduct	*-8.51*	
		For >25 To 50, Deduct	*-17.03*	
		For >50 To 100, Deduct	*-25.54*	
		For >100, Deduct	*-34.06*	

23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal *(23 41 33)*

Note: Nominal sizes.

23 41 33 00-0026	EA	12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	322.29	93.59
23 41 33 00-0027	EA	24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	601.83	186.02
23 41 33 00-0028	EA	24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	610.99	186.02
23 41 33 00-0029	EA	24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	617.09	186.02
23 41 33 00-0030	EA	24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	659.84	186.02
23 41 33 00-0031	EA	24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	713.28	186.02
23 41 33 00-0032	EA	48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,167.00	373.22
23 41 33 00-0033	EA	48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,296.78	373.22
23 41 33 00-0034	EA	48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,461.67	373.22
23 41 33 00-0035	EA	12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	348.25	93.59
23 41 33 00-0036	EA	24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	646.10	186.02
23 41 33 00-0037	EA	24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	656.79	186.02
23 41 33 00-0038	EA	24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	664.42	186.02
23 41 33 00-0039	EA	24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	714.81	186.02
23 41 33 00-0040	EA	24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	781.99	186.02
23 41 33 00-0041	EA	48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,273.87	373.22
23 41 33 00-0042	EA	48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,435.71	373.22
23 41 33 00-0043	EA	48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,640.31	373.22

23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency *(23 41 33)*

23 41 33 00-0045	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	288.18	121.32
23 41 33 00-0046	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	330.90	121.32

23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency *(23 41 33)*

23 41 33 00-0048	EA	0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	283.27	121.32
23 41 33 00-0049	EA	1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	314.79	121.32

23 42 Gas-Phase Air Filtration *(23 40)*

23 42 13 Activated-Carbon Air Filtration *(23 42)*

23 42 13 00-0001	EA	12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	46.93	9.41
23 42 13 00-0002	EA	16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.46	9.41
23 42 13 00-0003	EA	16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.78	9.41
23 42 13 00-0004	EA	20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.78	9.41
23 42 13 00-0005	EA	20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	51.79	9.41
23 42 13 00-0006	EA	24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	58.37	9.41
23 42 13 00-0007	EA	12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	59.25	10.67
23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	59.70	10.67
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.08	10.67
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter	60.08	10.67
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter	64.51	10.67
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	76.85	10.67
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	28.60	9.41
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	30.51	9.41
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter	30.58	9.41
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter	33.07	9.41
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter	35.29	9.41
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	33.11	10.67
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	36.43	10.67
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter	37.14	10.67
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter	41.25	10.67
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter	43.87	10.67
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter	72.20	11.29

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 43 Electronic Air Cleaners *(23 40)*

23 43 23 Self-Contained Electronic Air Cleaners *(23 43)*

23 43 23 00-0001 Stationary Floor, Room Air Purifier *(23 43 23)*

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M)	1,164.22	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L)	1,620.68	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL)	4,098.58	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact)	918.08	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine)	1,651.67	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial)	6,542.27	

23 43 23 00-0008 Surface Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067)	2,878.66	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064)	4,058.03	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S)	4,658.84	

23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier *(23 43 23)*

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24)	3,781.25	

23 50 Central Heating Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 51 Breechings, Chimneys, and Stacks *(23 50)*

23 51 13 Draft Control Devices *(23 51)*

23 51 13 13 Draft-Induction Fans *(23 51 13)*

23 51 13 13-0001 Vertical Discharge Fans *(23 51 13 13)*

Note: Includes chimney adapter. Excludes wiring.

23 51 13 13-0002 Axial Vane Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane	3,915.55	254.20
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane	4,442.74	277.31
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane	5,342.20	306.20
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane	6,997.15	355.30

23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	4,716.73	277.31
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	5,763.20	306.20
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	7,497.34	358.19
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller	8,886.71	401.52

23 51 13 13-0012 Accessories For Vertical Discharge Fans *(23 51 13 13-0001)*

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor	534.07	86.66

23 51 13 16 Vent Dampers *(23 51 13)*

23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade *(23 51 13 16)*

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper	1,078.85	51.31
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper	1,184.27	54.42
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper	1,309.17	57.77
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper	1,398.78	61.61
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper	1,528.12	66.00
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper	1,622.65	71.06
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper	1,795.13	77.05
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper	1,971.61	84.02
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper	2,211.46	88.10
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper	2,377.35	92.43
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper	2,600.27	97.06
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper	3,049.58	153.68
23 51 13 16-0014	EA	22" Round Flue Shutter Draft Control Damper	3,348.02	163.21
23 51 13 16-0015	EA	24" Round Flue Shutter Draft Control Damper	3,630.39	173.32
23 51 13 16-0016	EA	26" Round Flue Shutter Draft Control Damper	3,690.29	179.10
23 51 13 16-0017	EA	28" Round Flue Shutter Draft Control Damper	3,806.42	184.88
23 51 13 16-0018	EA	30" Round Flue Shutter Draft Control Damper	3,908.47	196.43
23 51 13 16-0019	EA	32" Round Flue Shutter Draft Control Damper	4,080.55	202.08
23 51 13 16-0020	EA	34" Round Flue Shutter Draft Control Damper	4,256.37	213.63
23 51 13 16-0021	EA	36" Round Flue Shutter Draft Control Damper	4,456.06	231.09
23 51 13 16-0022	EA	38" Round Flue Shutter Draft Control Damper	4,684.03	239.02
23 51 13 16-0023	EA	40" Round Flue Shutter Draft Control Damper	4,896.65	242.65
23 51 13 16-0024	EA	42" Round Flue Shutter Draft Control Damper	5,137.40	254.20
23 51 13 16-0025	EA	44" Round Flue Shutter Draft Control Damper	5,379.58	265.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0026	EA	46" Round Flue Shutter Draft Control Damper	5,622.46	277.31
23 51 13 16-0027	EA	48" Round Flue Shutter Draft Control Damper	5,864.27	288.87

23 51 13 19 Barometric Dampers *(23 51 13)*

23 51 13 19-0001 Barometric Dampers *(23 51 13 19)*

23 51 13 19-0002	EA	6" x 6" Barometric Damper	505.05	10.02
23 51 13 19-0003	EA	12" x 12" Barometric Damper	731.05	13.77
23 51 13 19-0004	EA	18" x 18" Barometric Damper	978.23	21.29
23 51 13 19-0005	EA	24" x 24" Barometric Damper	1,163.81	40.08
23 51 13 19-0006	EA	6" Diameter Barometric Damper	245.78	10.02
		For Stainless Steel, Add	*248.29*	
23 51 13 19-0007	EA	7" Diameter Barometric Damper	290.90	11.27
		For Stainless Steel, Add	*294.98*	
23 51 13 19-0008	EA	8" Diameter Barometric Damper	337.50	12.52
		For Stainless Steel, Add	*342.10*	
23 51 13 19-0009	EA	9" Diameter Barometric Damper	416.23	12.52
		For Stainless Steel, Add	*433.36*	
23 51 13 19-0010	EA	10" Diameter Barometric Damper	549.80	15.03
		For Stainless Steel, Add	*590.40*	
23 51 13 19-0011	EA	12" Diameter Barometric Damper	698.95	16.28
		For Stainless Steel, Add	*761.45*	
23 51 13 19-0012	EA	14" Diameter Barometric Damper	879.72	17.54
		For Stainless Steel, Add	*971.12*	
23 51 13 19-0013	EA	15" Diameter Barometric Damper	1,050.40	18.78
		For Stainless Steel, Add	*1,167.22*	
23 51 13 19-0014	EA	16" Diameter Barometric Damper	1,219.21	21.29
		For Stainless Steel, Add	*1,362.88*	
23 51 13 19-0015	EA	18" Diameter Barometric Damper	1,607.54	22.54
		For Stainless Steel, Add	*1,820.84*	
23 51 13 19-0016	EA	20" Diameter Barometric Damper	1,914.26	25.05
		For Stainless Steel, Add	*2,179.50*	
23 51 13 19-0017	EA	24" Diameter Barometric Damper	2,309.55	25.05
		For Stainless Steel, Add	*2,648.51*	
23 51 13 19-0018	EA	30" Diameter Barometric Damper	2,848.58	28.80
		For Stainless Steel, Add	*3,283.04*	
23 51 13 19-0019	EA	36" Diameter Barometric Damper	3,636.18	30.06
		For Stainless Steel, Add	*4,221.06*	

23 51 16 Fabricated Breechings and Accessories *(23 51)*

23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe *(23 51 16 00-0001)*

23 51 16 00-0003	LF	3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	32.98	10.28
		For Aluminum Liner, Add	*0.40*	
		For 304 Stainless Steel Liner, Add	*0.55*	
		For 2" Wall Instead Of 1", Add	*4.76*	
		For 3" To 4" Wall Instead Of 1", Add	*8.43*	
23 51 16 00-0004	LF	4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	35.48	10.87
		For Aluminum Liner, Add	*0.49*	
		For 304 Stainless Steel Liner, Add	*0.67*	
		For 2" Wall Instead Of 1", Add	*5.34*	
		For 3" To 4" Wall Instead Of 1", Add	*9.34*	
23 51 16 00-0005	LF	5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	39.24	11.55
		For Aluminum Liner, Add	*0.59*	
		For 304 Stainless Steel Liner, Add	*0.80*	
		For 2" Wall Instead Of 1", Add	*6.05*	
		For 3" To 4" Wall Instead Of 1", Add	*10.51*	
23 51 16 00-0006	LF	6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness	42.84	12.37
		For Aluminum Liner, Add	*0.68*	
		For 304 Stainless Steel Liner, Add	*0.93*	
		For 2" Wall Instead Of 1", Add	*6.76*	
		For 3" To 4" Wall Instead Of 1", Add	*11.66*	
23 51 16 00-0007	LF	7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	50.53	13.17
		For Aluminum Liner, Add	*1.00*	
		For 304 Stainless Steel Liner, Add	*1.37*	
		For 2" Wall Instead Of 1", Add	*8.70*	
		For 3" To 4" Wall Instead Of 1", Add	*14.66*	
23 51 16 00-0008	LF	8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	56.17	14.21
		For Aluminum Liner, Add	*1.12*	
		For 304 Stainless Steel Liner, Add	*1.52*	
		For 2" Wall Instead Of 1", Add	*9.68*	
		For 3" To 4" Wall Instead Of 1", Add	*16.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0009	LF	10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	81.65	15.26
		For Aluminum Liner, Add	*2.36*	
		For 304 Stainless Steel Liner, Add	*3.21*	
		For 2" Wall Instead Of 1", Add	*16.74*	
		For 3" To 4" Wall Instead Of 1", Add	*27.05*	
23 51 16 00-0010	LF	12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	99.56	16.87
		For Aluminum Liner, Add	*3.16*	
		For 304 Stainless Steel Liner, Add	*4.31*	
		For 2" Wall Instead Of 1", Add	*21.46*	
		For 3" To 4" Wall Instead Of 1", Add	*34.29*	
23 51 16 00-0011	LF	14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	140.58	17.56
		For Aluminum Liner, Add	*5.31*	
		For 304 Stainless Steel Liner, Add	*7.24*	
		For 2" Wall Instead Of 1", Add	*33.37*	
		For 3" To 4" Wall Instead Of 1", Add	*52.26*	
23 51 16 00-0012	LF	16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	176.20	18.49
		For Aluminum Liner, Add	*7.16*	
		For 304 Stainless Steel Liner, Add	*9.76*	
		For 2" Wall Instead Of 1", Add	*43.66*	
		For 3" To 4" Wall Instead Of 1", Add	*67.79*	
23 51 16 00-0013	LF	18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness	217.20	19.42
		For Aluminum Liner, Add	*9.25*	
		For 304 Stainless Steel Liner, Add	*12.61*	
		For 2" Wall Instead Of 1", Add	*55.35*	
		For 3" To 4" Wall Instead Of 1", Add	*85.48*	
23 51 16 00-0014	LF	20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	275.75	30.85
		For Aluminum Liner, Add	*10.98*	
		For 304 Stainless Steel Liner, Add	*14.97*	
		For 2" Wall Instead Of 1", Add	*67.50*	
		For 3" To 4" Wall Instead Of 1", Add	*105.06*	
23 51 16 00-0015	LF	22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	333.94	32.59
		For Aluminum Liner, Add	*13.84*	
		For 304 Stainless Steel Liner, Add	*18.88*	
		For 2" Wall Instead Of 1", Add	*83.74*	
		For 3" To 4" Wall Instead Of 1", Add	*129.72*	
23 51 16 00-0016	LF	24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	397.65	34.66
		For Aluminum Liner, Add	*17.07*	
		For 304 Stainless Steel Liner, Add	*23.27*	
		For 2" Wall Instead Of 1", Add	*101.82*	
		For 3" To 4" Wall Instead Of 1", Add	*157.10*	
23 51 16 00-0017	LF	26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	462.65	35.82
		For Aluminum Liner, Add	*20.53*	
		For 304 Stainless Steel Liner, Add	*27.99*	
		For 2" Wall Instead Of 1", Add	*120.91*	
		For 3" To 4" Wall Instead Of 1", Add	*185.84*	
23 51 16 00-0018	LF	28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	485.15	36.98
		For Aluminum Liner, Add	*21.60*	
		For 304 Stainless Steel Liner, Add	*29.46*	
		For 2" Wall Instead Of 1", Add	*127.07*	
		For 3" To 4" Wall Instead Of 1", Add	*195.22*	
23 51 16 00-0019	LF	30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness	515.55	39.64
		For Aluminum Liner, Add	*22.91*	
		For 304 Stainless Steel Liner, Add	*31.25*	
		For 2" Wall Instead Of 1", Add	*134.88*	
		For 3" To 4" Wall Instead Of 1", Add	*207.27*	
23 51 16 00-0020	LF	32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	584.32	41.14
		For Aluminum Liner, Add	*26.49*	
		For 304 Stainless Steel Liner, Add	*36.13*	
		For 2" Wall Instead Of 1", Add	*154.77*	
		For 3" To 4" Wall Instead Of 1", Add	*237.29*	
23 51 16 00-0021	LF	34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	655.53	42.64
		For Aluminum Liner, Add	*30.19*	
		For 304 Stainless Steel Liner, Add	*41.17*	
		For 2" Wall Instead Of 1", Add	*175.35*	
		For 3" To 4" Wall Instead Of 1", Add	*268.35*	
23 51 16 00-0022	LF	36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	690.16	44.37
		For Aluminum Liner, Add	*31.86*	
		For 304 Stainless Steel Liner, Add	*43.45*	
		For 2" Wall Instead Of 1", Add	*184.89*	
		For 3" To 4" Wall Instead Of 1", Add	*282.87*	
23 51 16 00-0023	LF	38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	749.00	46.22
		For Aluminum Liner, Add	*34.85*	
		For 304 Stainless Steel Liner, Add	*47.52*	
		For 2" Wall Instead Of 1", Add	*201.62*	
		For 3" To 4" Wall Instead Of 1", Add	*308.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0024	LF	40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	825.72	48.19
		For Aluminum Liner, Add	*38.79*	
		For 304 Stainless Steel Liner, Add	*52.89*	
		For 2" Wall Instead Of 1", Add	*223.61*	
		For 3" To 4" Wall Instead Of 1", Add	*341.45*	
23 51 16 00-0025	LF	42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	863.85	50.38
		For Aluminum Liner, Add	*40.58*	
		For 304 Stainless Steel Liner, Add	*55.33*	
		For 2" Wall Instead Of 1", Add	*233.94*	
		For 3" To 4" Wall Instead Of 1", Add	*357.21*	
23 51 16 00-0026	LF	44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	956.63	52.81
		For Aluminum Liner, Add	*45.35*	
		For 304 Stainless Steel Liner, Add	*61.84*	
		For 2" Wall Instead Of 1", Add	*260.57*	
		For 3" To 4" Wall Instead Of 1", Add	*397.46*	
23 51 16 00-0027	LF	46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,039.17	55.47
		For Aluminum Liner, Add	*49.53*	
		For 304 Stainless Steel Liner, Add	*67.54*	
		For 2" Wall Instead Of 1", Add	*284.02*	
		For 3" To 4" Wall Instead Of 1", Add	*432.96*	
23 51 16 00-0028	LF	48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	1,143.81	58.35
		For Aluminum Liner, Add	*54.90*	
		For 304 Stainless Steel Liner, Add	*74.86*	
		For 2" Wall Instead Of 1", Add	*314.01*	
		For 3" To 4" Wall Instead Of 1", Add	*478.30*	
23 51 16 00-0029		**90 Degree Elbows** *(23 51 16 00-0001)*		
23 51 16 00-0030	EA	3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	84.55	20.56
		For Aluminum Liner, Add	*1.85*	
		For 304 Stainless Steel Liner, Add	*2.52*	
		For 2" Wall Instead Of 1", Add	*15.18*	
		For 3" To 4" Wall Instead Of 1", Add	*25.31*	
23 51 16 00-0031	EA	4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	93.86	21.72
		For Aluminum Liner, Add	*2.18*	
		For 304 Stainless Steel Liner, Add	*2.98*	
		For 2" Wall Instead Of 1", Add	*17.32*	
		For 3" To 4" Wall Instead Of 1", Add	*28.69*	
23 51 16 00-0032	EA	5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	104.89	23.11
		For Aluminum Liner, Add	*2.61*	
		For 304 Stainless Steel Liner, Add	*3.55*	
		For 2" Wall Instead Of 1", Add	*19.97*	
		For 3" To 4" Wall Instead Of 1", Add	*32.82*	
23 51 16 00-0033	EA	6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	116.19	24.61
		For Aluminum Liner, Add	*3.03*	
		For 304 Stainless Steel Liner, Add	*4.13*	
		For 2" Wall Instead Of 1", Add	*22.63*	
		For 3" To 4" Wall Instead Of 1", Add	*37.00*	
23 51 16 00-0034	EA	7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	139.13	26.34
		For Aluminum Liner, Add	*4.05*	
		For 304 Stainless Steel Liner, Add	*5.52*	
		For 2" Wall Instead Of 1", Add	*28.64*	
		For 3" To 4" Wall Instead Of 1", Add	*46.24*	
23 51 16 00-0035	EA	8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	163.28	28.43
		For Aluminum Liner, Add	*5.07*	
		For 304 Stainless Steel Liner, Add	*6.92*	
		For 2" Wall Instead Of 1", Add	*34.77*	
		For 3" To 4" Wall Instead Of 1", Add	*55.71*	
23 51 16 00-0036	EA	10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	289.37	30.85
		For Aluminum Liner, Add	*11.67*	
		For 304 Stainless Steel Liner, Add	*15.91*	
		For 2" Wall Instead Of 1", Add	*71.36*	
		For 3" To 4" Wall Instead Of 1", Add	*110.90*	
23 51 16 00-0037	EA	12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	351.43	33.62
		For Aluminum Liner, Add	*14.71*	
		For 304 Stainless Steel Liner, Add	*20.06*	
		For 2" Wall Instead Of 1", Add	*88.63*	
		For 3" To 4" Wall Instead Of 1", Add	*137.15*	
23 51 16 00-0038	EA	14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	457.84	35.25
		For Aluminum Liner, Add	*20.34*	
		For 304 Stainless Steel Liner, Add	*27.74*	
		For 2" Wall Instead Of 1", Add	*119.74*	
		For 3" To 4" Wall Instead Of 1", Add	*184.02*	
23 51 16 00-0039	EA	16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	564.43	36.98
		For Aluminum Liner, Add	*25.97*	
		For 304 Stainless Steel Liner, Add	*35.41*	
		For 2" Wall Instead Of 1", Add	*150.88*	
		For 3" To 4" Wall Instead Of 1", Add	*230.93*	
23 51 16 00-0040	EA	18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	731.86	38.94
		For Aluminum Liner, Add	*34.90*	
		For 304 Stainless Steel Liner, Add	*47.59*	
		For 2" Wall Instead Of 1", Add	*200.08*	
		For 3" To 4" Wall Instead Of 1", Add	*304.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,030.23	61.59
		For Aluminum Liner, Add	*48.18*	
		For 304 Stainless Steel Liner, Add	*65.71*	
		For 2" Wall Instead Of 1", Add	*278.24*	
		For 3" To 4" Wall Instead Of 1", Add	*425.07*	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,362.07	65.28
		For Aluminum Liner, Add	*65.94*	
		For 304 Stainless Steel Liner, Add	*89.91*	
		For 2" Wall Instead Of 1", Add	*375.98*	
		For 3" To 4" Wall Instead Of 1", Add	*572.13*	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,538.35	69.33
		For Aluminum Liner, Add	*75.07*	
		For 304 Stainless Steel Liner, Add	*102.36*	
		For 2" Wall Instead Of 1", Add	*426.81*	
		For 3" To 4" Wall Instead Of 1", Add	*648.88*	

23 51 16 00-0044 45 Degree Elbows *(23 51 16 00-0001)*

23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	70.67	20.56
		For Aluminum Liner, Add	*1.07*	
		For 304 Stainless Steel Liner, Add	*1.45*	
		For 2" Wall Instead Of 1", Add	*10.94*	
		For 3" To 4" Wall Instead Of 1", Add	*18.98*	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	77.24	21.72
		For Aluminum Liner, Add	*1.26*	
		For 304 Stainless Steel Liner, Add	*1.71*	
		For 2" Wall Instead Of 1", Add	*12.29*	
		For 3" To 4" Wall Instead Of 1", Add	*21.15*	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	84.64	23.11
		For Aluminum Liner, Add	*1.48*	
		For 304 Stainless Steel Liner, Add	*2.01*	
		For 2" Wall Instead Of 1", Add	*13.84*	
		For 3" To 4" Wall Instead Of 1", Add	*23.64*	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	93.77	24.61
		For Aluminum Liner, Add	*1.77*	
		For 304 Stainless Steel Liner, Add	*2.41*	
		For 2" Wall Instead Of 1", Add	*15.81*	
		For 3" To 4" Wall Instead Of 1", Add	*26.79*	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	112.11	26.34
		For Aluminum Liner, Add	*2.54*	
		For 304 Stainless Steel Liner, Add	*3.46*	
		For 2" Wall Instead Of 1", Add	*20.43*	
		For 3" To 4" Wall Instead Of 1", Add	*33.95*	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	124.09	28.43
		For Aluminum Liner, Add	*2.92*	
		For 304 Stainless Steel Liner, Add	*3.98*	
		For 2" Wall Instead Of 1", Add	*23.02*	
		For 3" To 4" Wall Instead Of 1", Add	*38.08*	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	209.63	30.85
		For Aluminum Liner, Add	*7.29*	
		For 304 Stainless Steel Liner, Add	*9.94*	
		For 2" Wall Instead Of 1", Add	*47.48*	
		For 3" To 4" Wall Instead Of 1", Add	*75.07*	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	251.17	33.62
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*58.55*	
		For 3" To 4" Wall Instead Of 1", Add	*92.02*	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	323.23	35.25
		For Aluminum Liner, Add	*12.93*	
		For 304 Stainless Steel Liner, Add	*17.64*	
		For 2" Wall Instead Of 1", Add	*79.36*	
		For 3" To 4" Wall Instead Of 1", Add	*123.44*	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	387.50	36.98
		For Aluminum Liner, Add	*16.23*	
		For 304 Stainless Steel Liner, Add	*22.13*	
		For 2" Wall Instead Of 1", Add	*97.77*	
		For 3" To 4" Wall Instead Of 1", Add	*151.28*	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	493.85	38.94
		For Aluminum Liner, Add	*21.81*	
		For 304 Stainless Steel Liner, Add	*29.74*	
		For 2" Wall Instead Of 1", Add	*128.70*	
		For 3" To 4" Wall Instead Of 1", Add	*197.91*	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	600.92	61.47
		For Aluminum Liner, Add	*24.60*	
		For 304 Stainless Steel Liner, Add	*33.55*	
		For 2" Wall Instead Of 1", Add	*149.55*	
		For 3" To 4" Wall Instead Of 1", Add	*232.00*	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	836.41	65.28
		For Aluminum Liner, Add	*37.03*	
		For 304 Stainless Steel Liner, Add	*50.49*	
		For 2" Wall Instead Of 1", Add	*218.28*	
		For 3" To 4" Wall Instead Of 1", Add	*335.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,026.24	69.33
		For Aluminum Liner, Add	*46.92*	
		For 304 Stainless Steel Liner, Add	*63.98*	
		For 2" Wall Instead Of 1", Add	*273.23*	
		For 3" To 4" Wall Instead Of 1", Add	*418.51*	
23 51 16 00-0059	EA	26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,862.00	71.64
		For Aluminum Liner, Add	*92.57*	
		For 304 Stainless Steel Liner, Add	*126.23*	
		For 2" Wall Instead Of 1", Add	*522.80*	
		For 3" To 4" Wall Instead Of 1", Add	*793.15*	
23 51 16 00-0060	EA	28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	1,913.88	73.95
		For Aluminum Liner, Add	*95.10*	
		For 304 Stainless Steel Liner, Add	*129.68*	
		For 2" Wall Instead Of 1", Add	*537.21*	
		For 3" To 4" Wall Instead Of 1", Add	*815.06*	
23 51 16 00-0061	EA	30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,017.65	78.57
		For Aluminum Liner, Add	*100.17*	
		For 304 Stainless Steel Liner, Add	*136.60*	
		For 2" Wall Instead Of 1", Add	*566.03*	
		For 3" To 4" Wall Instead Of 1", Add	*858.87*	
23 51 16 00-0062	EA	32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,253.97	80.88
		For Aluminum Liner, Add	*112.85*	
		For 304 Stainless Steel Liner, Add	*153.89*	
		For 2" Wall Instead Of 1", Add	*635.78*	
		For 3" To 4" Wall Instead Of 1", Add	*963.77*	
23 51 16 00-0063	EA	34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,461.49	85.50
		For Aluminum Liner, Add	*123.63*	
		For 304 Stainless Steel Liner, Add	*168.59*	
		For 2" Wall Instead Of 1", Add	*695.72*	
		For 3" To 4" Wall Instead Of 1", Add	*1,054.26*	
23 51 16 00-0064	EA	36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,536.45	92.43
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*714.75*	
		For 3" To 4" Wall Instead Of 1", Add	*1,083.67*	
23 51 16 00-0065	EA	38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,717.43	95.68
		For Aluminum Liner, Add	*136.31*	
		For 304 Stainless Steel Liner, Add	*185.88*	
		For 2" Wall Instead Of 1", Add	*767.43*	
		For 3" To 4" Wall Instead Of 1", Add	*1,163.09*	
23 51 16 00-0066	EA	40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	2,893.82	97.06
		For Aluminum Liner, Add	*145.82*	
		For 304 Stainless Steel Liner, Add	*198.85*	
		For 2" Wall Instead Of 1", Add	*819.65*	
		For 3" To 4" Wall Instead Of 1", Add	*1,241.59*	
23 51 16 00-0067	EA	42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,020.64	101.68
		For Aluminum Liner, Add	*152.16*	
		For 304 Stainless Steel Liner, Add	*207.50*	
		For 2" Wall Instead Of 1", Add	*855.38*	
		For 3" To 4" Wall Instead Of 1", Add	*1,295.78*	
23 51 16 00-0068	EA	44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,205.09	106.30
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*908.41*	
		For 3" To 4" Wall Instead Of 1", Add	*1,375.90*	
23 51 16 00-0069	EA	46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,447.18	110.92
		For Aluminum Liner, Add	*174.35*	
		For 304 Stainless Steel Liner, Add	*237.75*	
		For 2" Wall Instead Of 1", Add	*978.73*	
		For 3" To 4" Wall Instead Of 1", Add	*1,481.95*	
23 51 16 00-0070	EA	48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe	3,573.99	115.54
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,014.47*	
		For 3" To 4" Wall Instead Of 1", Add	*1,536.13*	
23 51 16 00-0071		Tees *(23 51 16 00-0001)*		
23 51 16 00-0072	EA	3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	115.83	27.38
		For Aluminum Liner, Add	*2.60*	
		For 304 Stainless Steel Liner, Add	*3.54*	
		For 2" Wall Instead Of 1", Add	*21.04*	
		For 3" To 4" Wall Instead Of 1", Add	*34.98*	
23 51 16 00-0073	EA	4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	120.63	28.43
		For Aluminum Liner, Add	*2.73*	
		For 304 Stainless Steel Liner, Add	*3.72*	
		For 2" Wall Instead Of 1", Add	*21.98*	
		For 3" To 4" Wall Instead Of 1", Add	*36.52*	
23 51 16 00-0074	EA	5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	125.82	29.58
		For Aluminum Liner, Add	*2.85*	
		For 304 Stainless Steel Liner, Add	*3.89*	
		For 2" Wall Instead Of 1", Add	*22.96*	
		For 3" To 4" Wall Instead Of 1", Add	*38.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0075	EA	6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	134.72	30.85
		For Aluminum Liner, Add	*3.17*	
		For 304 Stainless Steel Liner, Add	*4.32*	
		For 2" Wall Instead Of 1", Add	*25.00*	
		For 3" To 4" Wall Instead Of 1", Add	*41.35*	
23 51 16 00-0076	EA	7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	159.96	32.12
		For Aluminum Liner, Add	*4.37*	
		For 304 Stainless Steel Liner, Add	*5.97*	
		For 2" Wall Instead Of 1", Add	*31.90*	
		For 3" To 4" Wall Instead Of 1", Add	*51.88*	
23 51 16 00-0077	EA	8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	171.60	33.62
		For Aluminum Liner, Add	*4.82*	
		For 304 Stainless Steel Liner, Add	*6.57*	
		For 2" Wall Instead Of 1", Add	*34.68*	
		For 3" To 4" Wall Instead Of 1", Add	*56.22*	
23 51 16 00-0078	EA	10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	325.51	35.25
		For Aluminum Liner, Add	*13.06*	
		For 304 Stainless Steel Liner, Add	*17.81*	
		For 2" Wall Instead Of 1", Add	*80.05*	
		For 3" To 4" Wall Instead Of 1", Add	*124.47*	
23 51 16 00-0079	EA	12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	378.28	36.98
		For Aluminum Liner, Add	*15.72*	
		For 304 Stainless Steel Liner, Add	*21.44*	
		For 2" Wall Instead Of 1", Add	*95.00*	
		For 3" To 4" Wall Instead Of 1", Add	*147.13*	
23 51 16 00-0080	EA	14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	568.39	41.14
		For Aluminum Liner, Add	*25.61*	
		For 304 Stainless Steel Liner, Add	*34.93*	
		For 2" Wall Instead Of 1", Add	*149.98*	
		For 3" To 4" Wall Instead Of 1", Add	*230.11*	
23 51 16 00-0081	EA	16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	774.87	46.22
		For Aluminum Liner, Add	*36.27*	
		For 304 Stainless Steel Liner, Add	*49.45*	
		For 2" Wall Instead Of 1", Add	*209.36*	
		For 3" To 4" Wall Instead Of 1", Add	*319.82*	
23 51 16 00-0082	EA	18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	962.00	52.81
		For Aluminum Liner, Add	*45.65*	
		For 304 Stainless Steel Liner, Add	*62.25*	
		For 2" Wall Instead Of 1", Add	*262.20*	
		For 3" To 4" Wall Instead Of 1", Add	*399.90*	
23 51 16 00-0083	EA	20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,281.18	65.28
		For Aluminum Liner, Add	*61.50*	
		For 304 Stainless Steel Liner, Add	*83.86*	
		For 2" Wall Instead Of 1", Add	*351.75*	
		For 3" To 4" Wall Instead Of 1", Add	*535.78*	
23 51 16 00-0084	EA	22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,608.01	85.27
		For Aluminum Liner, Add	*76.72*	
		For 304 Stainless Steel Liner, Add	*104.61*	
		For 2" Wall Instead Of 1", Add	*439.77*	
		For 3" To 4" Wall Instead Of 1", Add	*670.31*	
23 51 16 00-0085	EA	24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	1,850.70	90.13
		For Aluminum Liner, Add	*89.40*	
		For 304 Stainless Steel Liner, Add	*121.90*	
		For 2" Wall Instead Of 1", Add	*510.14*	
		For 3" To 4" Wall Instead Of 1", Add	*776.48*	
23 51 16 00-0086	EA	26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,548.25	97.06
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*715.93*	
		For 3" To 4" Wall Instead Of 1", Add	*1,086.03*	
23 51 16 00-0087	EA	28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	2,845.74	100.87
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*803.31*	
		For 3" To 4" Wall Instead Of 1", Add	*1,217.57*	
23 51 16 00-0088	EA	30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,089.98	106.30
		For Aluminum Liner, Add	*155.33*	
		For 304 Stainless Steel Liner, Add	*211.82*	
		For 2" Wall Instead Of 1", Add	*873.84*	
		For 3" To 4" Wall Instead Of 1", Add	*1,324.05*	
23 51 16 00-0089	EA	32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,562.55	110.92
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,013.32*	
		For 3" To 4" Wall Instead Of 1", Add	*1,533.84*	
23 51 16 00-0090	EA	34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	3,631.84	115.54
		For Aluminum Liner, Add	*183.86*	
		For 304 Stainless Steel Liner, Add	*250.72*	
		For 2" Wall Instead Of 1", Add	*1,031.78*	
		For 3" To 4" Wall Instead Of 1", Add	*1,562.11*	
23 51 16 00-0091	EA	36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,227.62	123.29
		For Aluminum Liner, Add	*215.56*	
		For 304 Stainless Steel Liner, Add	*293.95*	
		For 2" Wall Instead Of 1", Add	*1,206.63*	
		For 3" To 4" Wall Instead Of 1", Add	*1,825.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0092	EA	38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,323.75	138.65
		For Aluminum Liner, Add	*218.73*	
		For 304 Stainless Steel Liner, Add	*298.27*	
		For 2" Wall Instead Of 1", Add	*1,227.77*	
		For 3" To 4" Wall Instead Of 1", Add	*1,859.00*	
23 51 16 00-0093	EA	40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	4,719.05	158.53
		For Aluminum Liner, Add	*237.75*	
		For 304 Stainless Steel Liner, Add	*324.21*	
		For 2" Wall Instead Of 1", Add	*1,336.47*	
		For 3" To 4" Wall Instead Of 1", Add	*2,024.51*	
23 51 16 00-0094	EA	42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,188.46	184.88
		For Aluminum Liner, Add	*259.94*	
		For 304 Stainless Steel Liner, Add	*354.47*	
		For 2" Wall Instead Of 1", Add	*1,464.10*	
		For 3" To 4" Wall Instead Of 1", Add	*2,219.26*	
23 51 16 00-0095	EA	44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	5,649.27	207.99
		For Aluminum Liner, Add	*282.14*	
		For 304 Stainless Steel Liner, Add	*384.73*	
		For 2" Wall Instead Of 1", Add	*1,590.87*	
		For 3" To 4" Wall Instead Of 1", Add	*2,412.29*	
23 51 16 00-0096	EA	46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,185.39	214.92
		For Aluminum Liner, Add	*310.67*	
		For 304 Stainless Steel Liner, Add	*423.63*	
		For 2" Wall Instead Of 1", Add	*1,748.23*	
		For 3" To 4" Wall Instead Of 1", Add	*2,649.19*	
23 51 16 00-0097	EA	48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe	6,548.74	221.84
		For Aluminum Liner, Add	*329.69*	
		For 304 Stainless Steel Liner, Add	*449.57*	
		For 2" Wall Instead Of 1", Add	*1,853.73*	
		For 3" To 4" Wall Instead Of 1", Add	*2,808.32*	

23 51 16 00-0098 Vent Top Caps *(23 51 16 00-0001)*

23 51 16 00-0099	EA	3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	58.06	16.06
		For Aluminum Liner, Add	*0.98*	
		For 304 Stainless Steel Liner, Add	*1.34*	
		For 2" Wall Instead Of 1", Add	*9.38*	
		For 3" To 4" Wall Instead Of 1", Add	*16.08*	
23 51 16 00-0100	EA	4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	60.84	16.87
		For Aluminum Liner, Add	*1.03*	
		For 304 Stainless Steel Liner, Add	*1.41*	
		For 2" Wall Instead Of 1", Add	*9.84*	
		For 3" To 4" Wall Instead Of 1", Add	*16.87*	
23 51 16 00-0101	EA	6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	78.84	18.49
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*14.41*	
		For 3" To 4" Wall Instead Of 1", Add	*23.92*	
23 51 16 00-0102	EA	8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	83.92	20.56
		For Aluminum Liner, Add	*1.79*	
		For 304 Stainless Steel Liner, Add	*2.45*	
		For 2" Wall Instead Of 1", Add	*14.92*	
		For 3" To 4" Wall Instead Of 1", Add	*24.94*	
23 51 16 00-0103	EA	10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	102.38	21.72
		For Aluminum Liner, Add	*2.64*	
		For 304 Stainless Steel Liner, Add	*3.61*	
		For 2" Wall Instead Of 1", Add	*19.85*	
		For 3" To 4" Wall Instead Of 1", Add	*32.49*	
23 51 16 00-0104	EA	12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	121.17	23.11
		For Aluminum Liner, Add	*3.49*	
		For 304 Stainless Steel Liner, Add	*4.76*	
		For 2" Wall Instead Of 1", Add	*24.80*	
		For 3" To 4" Wall Instead Of 1", Add	*40.08*	
23 51 16 00-0105	EA	16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	288.46	26.34
		For Aluminum Liner, Add	*12.24*	
		For 304 Stainless Steel Liner, Add	*16.69*	
		For 2" Wall Instead Of 1", Add	*73.34*	
		For 3" To 4" Wall Instead Of 1", Add	*113.31*	
23 51 16 00-0106	EA	18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	539.00	33.05
		For Aluminum Liner, Add	*25.11*	
		For 304 Stainless Steel Liner, Add	*34.24*	
		For 2" Wall Instead Of 1", Add	*145.20*	
		For 3" To 4" Wall Instead Of 1", Add	*221.92*	
23 51 16 00-0107	EA	20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	998.17	39.64
		For Aluminum Liner, Add	*49.45*	
		For 304 Stainless Steel Liner, Add	*67.44*	
		For 2" Wall Instead Of 1", Add	*279.65*	
		For 3" To 4" Wall Instead Of 1", Add	*424.42*	
23 51 16 00-0108	EA	24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	1,660.30	55.47
		For Aluminum Liner, Add	*83.69*	
		For 304 Stainless Steel Liner, Add	*114.12*	
		For 2" Wall Instead Of 1", Add	*470.36*	
		For 3" To 4" Wall Instead Of 1", Add	*712.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0109	EA	26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,451.39	58.35
		For Aluminum Liner, Add	*126.80*	
		For 304 Stainless Steel Liner, Add	*172.91*	
		For 2" Wall Instead Of 1", Add	*706.24*	
		For 3" To 4" Wall Instead Of 1", Add	*1,066.65*	
23 51 16 00-0110	EA	28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	2,747.74	61.59
		For Aluminum Liner, Add	*142.65*	
		For 304 Stainless Steel Liner, Add	*194.53*	
		For 2" Wall Instead Of 1", Add	*793.51*	
		For 3" To 4" Wall Instead Of 1", Add	*1,197.97*	
23 51 16 00-0111	EA	30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,102.72	65.28
		For Aluminum Liner, Add	*161.67*	
		For 304 Stainless Steel Liner, Add	*220.46*	
		For 2" Wall Instead Of 1", Add	*898.17*	
		For 3" To 4" Wall Instead Of 1", Add	*1,355.42*	
23 51 16 00-0112	EA	32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,285.81	69.33
		For Aluminum Liner, Add	*171.18*	
		For 304 Stainless Steel Liner, Add	*233.43*	
		For 2" Wall Instead Of 1", Add	*951.07*	
		For 3" To 4" Wall Instead Of 1", Add	*1,435.27*	
23 51 16 00-0113	EA	34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,470.27	73.95
		For Aluminum Liner, Add	*180.69*	
		For 304 Stainless Steel Liner, Add	*246.40*	
		For 2" Wall Instead Of 1", Add	*1,004.09*	
		For 3" To 4" Wall Instead Of 1", Add	*1,515.39*	
23 51 16 00-0114	EA	36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe	3,713.87	79.26
		For Aluminum Liner, Add	*193.37*	
		For 304 Stainless Steel Liner, Add	*263.69*	
		For 2" Wall Instead Of 1", Add	*1,074.56*	
		For 3" To 4" Wall Instead Of 1", Add	*1,621.74*	

23 51 16 00-0115 Wall Thimbles *(23 51 16 00-0001)*

23 51 16 00-0116	EA	3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	23.65	8.67
		For Aluminum Liner, Add	*0.11*	
		For 304 Stainless Steel Liner, Add	*0.15*	
		For 2" Wall Instead Of 1", Add	*2.78*	
		For 3" To 4" Wall Instead Of 1", Add	*5.24*	
23 51 16 00-0117	EA	4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	29.95	11.10
		For Aluminum Liner, Add	*0.12*	
		For 304 Stainless Steel Liner, Add	*0.16*	
		For 2" Wall Instead Of 1", Add	*3.42*	
		For 3" To 4" Wall Instead Of 1", Add	*6.52*	
23 51 16 00-0118	EA	5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	39.85	14.90
		For Aluminum Liner, Add	*0.14*	
		For 304 Stainless Steel Liner, Add	*0.19*	
		For 2" Wall Instead Of 1", Add	*4.50*	
		For 3" To 4" Wall Instead Of 1", Add	*8.62*	
23 51 16 00-0119	EA	7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	49.89	18.49
		For Aluminum Liner, Add	*0.20*	
		For 304 Stainless Steel Liner, Add	*0.28*	
		For 2" Wall Instead Of 1", Add	*5.72*	
		For 3" To 4" Wall Instead Of 1", Add	*10.90*	
23 51 16 00-0120	EA	10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	71.83	24.95
		For Aluminum Liner, Add	*0.52*	
		For 304 Stainless Steel Liner, Add	*0.71*	
		For 2" Wall Instead Of 1", Add	*9.07*	
		For 3" To 4" Wall Instead Of 1", Add	*16.73*	
23 51 16 00-0121	EA	12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	90.79	30.97
		For Aluminum Liner, Add	*0.74*	
		For 304 Stainless Steel Liner, Add	*1.00*	
		For 2" Wall Instead Of 1", Add	*11.75*	
		For 3" To 4" Wall Instead Of 1", Add	*21.50*	
23 51 16 00-0122	EA	14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	115.10	36.98
		For Aluminum Liner, Add	*1.25*	
		For 304 Stainless Steel Liner, Add	*1.70*	
		For 2" Wall Instead Of 1", Add	*16.04*	
		For 3" To 4" Wall Instead Of 1", Add	*28.69*	
23 51 16 00-0123	EA	18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	150.33	43.91
		For Aluminum Liner, Add	*2.23*	
		For 304 Stainless Steel Liner, Add	*3.04*	
		For 2" Wall Instead Of 1", Add	*23.15*	
		For 3" To 4" Wall Instead Of 1", Add	*40.21*	
23 51 16 00-0124	EA	22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe	202.88	48.53
		For Aluminum Liner, Add	*4.49*	
		For 304 Stainless Steel Liner, Add	*6.12*	
		For 2" Wall Instead Of 1", Add	*36.60*	
		For 3" To 4" Wall Instead Of 1", Add	*60.97*	

23 51 16 00-0125 Adjustable Roof Flashing *(23 51 16 00-0001)*

23 51 16 00-0126	EA	3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	64.57	20.56
		For Aluminum Liner, Add	*0.73*	
		For 304 Stainless Steel Liner, Add	*0.99*	
		For 2" Wall Instead Of 1", Add	*9.11*	
		For 3" To 4" Wall Instead Of 1", Add	*16.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0127	EA	4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	71.47	21.72
		For Aluminum Liner, Add	*0.94*	
		For 304 Stainless Steel Liner, Add	*1.28*	
		For 2" Wall Instead Of 1", Add	*10.56*	
		For 3" To 4" Wall Instead Of 1", Add	*18.56*	
23 51 16 00-0128	EA	6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	90.17	24.61
		For Aluminum Liner, Add	*1.57*	
		For 304 Stainless Steel Liner, Add	*2.14*	
		For 2" Wall Instead Of 1", Add	*14.74*	
		For 3" To 4" Wall Instead Of 1", Add	*25.18*	
23 51 16 00-0129	EA	8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	110.14	28.43
		For Aluminum Liner, Add	*2.15*	
		For 304 Stainless Steel Liner, Add	*2.93*	
		For 2" Wall Instead Of 1", Add	*18.83*	
		For 3" To 4" Wall Instead Of 1", Add	*31.80*	
23 51 16 00-0130	EA	10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	184.29	30.85
		For Aluminum Liner, Add	*5.90*	
		For 304 Stainless Steel Liner, Add	*8.04*	
		For 2" Wall Instead Of 1", Add	*39.87*	
		For 3" To 4" Wall Instead Of 1", Add	*63.66*	
23 51 16 00-0131	EA	12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	220.01	33.62
		For Aluminum Liner, Add	*7.48*	
		For 304 Stainless Steel Liner, Add	*10.20*	
		For 2" Wall Instead Of 1", Add	*49.21*	
		For 3" To 4" Wall Instead Of 1", Add	*78.01*	
23 51 16 00-0132	EA	14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	259.58	36.98
		For Aluminum Liner, Add	*9.19*	
		For 304 Stainless Steel Liner, Add	*12.54*	
		For 2" Wall Instead Of 1", Add	*59.39*	
		For 3" To 4" Wall Instead Of 1", Add	*93.70*	
23 51 16 00-0133	EA	16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	310.33	41.14
		For Aluminum Liner, Add	*11.41*	
		For 304 Stainless Steel Liner, Add	*15.56*	
		For 2" Wall Instead Of 1", Add	*72.53*	
		For 3" To 4" Wall Instead Of 1", Add	*113.94*	
23 51 16 00-0134	EA	18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	472.94	46.22
		For Aluminum Liner, Add	*19.65*	
		For 304 Stainless Steel Liner, Add	*26.80*	
		For 2" Wall Instead Of 1", Add	*118.76*	
		For 3" To 4" Wall Instead Of 1", Add	*183.93*	
23 51 16 00-0135	EA	20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	518.33	61.59
		For Aluminum Liner, Add	*20.03*	
		For 304 Stainless Steel Liner, Add	*27.32*	
		For 2" Wall Instead Of 1", Add	*124.69*	
		For 3" To 4" Wall Instead Of 1", Add	*194.73*	
23 51 16 00-0136	EA	22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	659.23	79.26
		For Aluminum Liner, Add	*25.36*	
		For 304 Stainless Steel Liner, Add	*34.58*	
		For 2" Wall Instead Of 1", Add	*158.14*	
		For 3" To 4" Wall Instead Of 1", Add	*247.12*	
23 51 16 00-0137	EA	24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe	784.41	92.43
		For Aluminum Liner, Add	*30.43*	
		For 304 Stainless Steel Liner, Add	*41.50*	
		For 2" Wall Instead Of 1", Add	*189.11*	
		For 3" To 4" Wall Instead Of 1", Add	*295.21*	

23 51 16 00-0138 Galvanized Storm Collars *(23 51 16 00-0001)*

23 51 16 00-0139	EA	3" Round Galvanized Storm Collar, Double Wall	25.43	8.67
		For Aluminum Liner, Add	*0.21*	
		For 304 Stainless Steel Liner, Add	*0.29*	
		For 2" Wall Instead Of 1", Add	*3.31*	
		For 3" To 4" Wall Instead Of 1", Add	*6.04*	
23 51 16 00-0140	EA	4" Round Galvanized Storm Collar, Double Wall	32.12	11.10
		For Aluminum Liner, Add	*0.24*	
		For 304 Stainless Steel Liner, Add	*0.33*	
		For 2" Wall Instead Of 1", Add	*4.09*	
		For 3" To 4" Wall Instead Of 1", Add	*7.52*	
23 51 16 00-0141	EA	5" Round Galvanized Storm Collar, Double Wall	37.82	12.94
		For Aluminum Liner, Add	*0.30*	
		For 304 Stainless Steel Liner, Add	*0.41*	
		For 2" Wall Instead Of 1", Add	*4.87*	
		For 3" To 4" Wall Instead Of 1", Add	*8.93*	
23 51 16 00-0142	EA	6" Round Galvanized Storm Collar, Double Wall	43.54	14.79
		For Aluminum Liner, Add	*0.36*	
		For 304 Stainless Steel Liner, Add	*0.49*	
		For 2" Wall Instead Of 1", Add	*5.67*	
		For 3" To 4" Wall Instead Of 1", Add	*10.35*	
23 51 16 00-0143	EA	7" Or 8" Round Galvanized Storm Collar, Double Wall	54.95	18.49
		For Aluminum Liner, Add	*0.48*	
		For 304 Stainless Steel Liner, Add	*0.65*	
		For 2" Wall Instead Of 1", Add	*7.24*	
		For 3" To 4" Wall Instead Of 1", Add	*13.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0144	EA	10" Round Galvanized Storm Collar, Double Wall	76.08	24.95
		For Aluminum Liner, Add	*0.75*	
		For 304 Stainless Steel Liner, Add	*1.03*	
		For 2" Wall Instead Of 1", Add	*10.34*	
		For 3" To 4" Wall Instead Of 1", Add	*18.64*	
23 51 16 00-0145	EA	12" Round Galvanized Storm Collar, Double Wall	93.86	30.97
		For Aluminum Liner, Add	*0.90*	
		For 304 Stainless Steel Liner, Add	*1.23*	
		For 2" Wall Instead Of 1", Add	*12.67*	
		For 3" To 4" Wall Instead Of 1", Add	*22.88*	
23 51 16 00-0146	EA	14" Or 16" Round Galvanized Storm Collar, Double Wall	120.33	36.98
		For Aluminum Liner, Add	*1.53*	
		For 304 Stainless Steel Liner, Add	*2.09*	
		For 2" Wall Instead Of 1", Add	*17.61*	
		For 3" To 4" Wall Instead Of 1", Add	*31.04*	
23 51 16 00-0147	EA	18" Or 20" Round Galvanized Storm Collar, Double Wall	160.26	43.91
		For Aluminum Liner, Add	*2.78*	
		For 304 Stainless Steel Liner, Add	*3.79*	
		For 2" Wall Instead Of 1", Add	*26.13*	
		For 3" To 4" Wall Instead Of 1", Add	*44.68*	
23 51 16 00-0148	EA	22" Or 24" Round Galvanized Storm Collar, Double Wall	227.73	48.53
		For Aluminum Liner, Add	*5.85*	
		For 304 Stainless Steel Liner, Add	*7.98*	
		For 2" Wall Instead Of 1", Add	*44.06*	
		For 3" To 4" Wall Instead Of 1", Add	*72.15*	
23 51 16 00-0149		**Oval Galvanized Double Wall Flue/Vent Pipe And Fittings** *(23 51 16)*		
23 51 16 00-0150		**Oval Galvanized Double Wall Flue/Vent Pipe** *(23 51 16 00-0149)*		
23 51 16 00-0151	LF	4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	43.69	10.87
		For 2" Wall Instead Of 1", Add	*7.68*	
		For 3" To 4" Wall Instead Of 1", Add	*12.87*	
23 51 16 00-0152	LF	5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	48.29	11.55
		For 2" Wall Instead Of 1", Add	*8.75*	
		For 3" To 4" Wall Instead Of 1", Add	*14.56*	
23 51 16 00-0153	LF	6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe	53.59	12.37
		For 2" Wall Instead Of 1", Add	*9.91*	
		For 3" To 4" Wall Instead Of 1", Add	*16.41*	
23 51 16 00-0154		**45 Degree Elbows** *(23 51 16 00-0149)*		
23 51 16 00-0155	EA	4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	95.96	22.53
		For 2" Wall Instead Of 1", Add	*17.52*	
		For 3" To 4" Wall Instead Of 1", Add	*29.09*	
23 51 16 00-0156	EA	5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	111.97	26.34
		For 2" Wall Instead Of 1", Add	*20.42*	
		For 3" To 4" Wall Instead Of 1", Add	*33.92*	
23 51 16 00-0157	EA	6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	133.67	29.81
		For 2" Wall Instead Of 1", Add	*25.19*	
		For 3" To 4" Wall Instead Of 1", Add	*41.51*	
23 51 16 00-0158	EA	4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	97.94	22.53
		For 2" Wall Instead Of 1", Add	*18.11*	
		For 3" To 4" Wall Instead Of 1", Add	*29.98*	
23 51 16 00-0159	EA	5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	116.78	26.34
		For 2" Wall Instead Of 1", Add	*21.86*	
		For 3" To 4" Wall Instead Of 1", Add	*36.09*	
23 51 16 00-0160	EA	6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe	136.78	29.81
		For 2" Wall Instead Of 1", Add	*26.12*	
		For 3" To 4" Wall Instead Of 1", Add	*42.91*	
23 51 16 00-0161		**Tees** *(23 51 16 00-0149)*		
23 51 16 00-0162	EA	4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	161.12	34.20
		For 2" Wall Instead Of 1", Add	*31.22*	
		For 3" To 4" Wall Instead Of 1", Add	*51.11*	
23 51 16 00-0163	EA	4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe	164.23	34.20
		For 2" Wall Instead Of 1", Add	*32.15*	
		For 3" To 4" Wall Instead Of 1", Add	*52.51*	
23 51 16 00-0164	EA	5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe	188.74	39.28
		For 2" Wall Instead Of 1", Add	*36.98*	
		For 3" To 4" Wall Instead Of 1", Add	*60.38*	
23 51 16 00-0165	EA	6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe	216.13	44.03
		For 2" Wall Instead Of 1", Add	*42.83*	
		For 3" To 4" Wall Instead Of 1", Add	*69.75*	
23 51 16 00-0166		**Tops/Caps And Adjustable Flashing** *(23 51 16 00-0149)*		
23 51 16 00-0167	EA	4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	62.07	11.10
		For 2" Wall Instead Of 1", Add	*13.05*	
		For 3" To 4" Wall Instead Of 1", Add	*20.97*	
23 51 16 00-0168	EA	6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe	97.38	14.90
		For 2" Wall Instead Of 1", Add	*21.76*	
		For 3" To 4" Wall Instead Of 1", Add	*34.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0169	EA	4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	49.90	11.10
		For 2" Wall Instead Of 1", Add	*9.40*	
		For 3" To 4" Wall Instead Of 1", Add	*15.50*	
23 51 16 00-0170	EA	6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe	85.93	14.90
		For 2" Wall Instead Of 1", Add	*18.33*	
		For 3" To 4" Wall Instead Of 1", Add	*29.35*	

23 51 16 00-0171 Storm Collars *(23 51 16 00-0149)*

23 51 16 00-0172	EA	4" Oval Galvanized Storm Collar, Double Wall	32.12	11.10
		For 2" Wall Instead Of 1", Add	*4.09*	
		For 3" To 4" Wall Instead Of 1", Add	*7.52*	
23 51 16 00-0173	EA	5" Oval Galvanized Storm Collar, Double Wall	37.82	12.94
		For 2" Wall Instead Of 1", Add	*4.87*	
		For 3" To 4" Wall Instead Of 1", Add	*8.93*	
23 51 16 00-0174	EA	6" Oval Galvanized Storm Collar, Double Wall	43.54	14.79
		For 2" Wall Instead Of 1", Add	*5.67*	
		For 3" To 4" Wall Instead Of 1", Add	*10.35*	

23 51 16 00-0175 Round Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0176 Round Double Wall Flue/Vent Pipe *(23 51 16 00-0175)*

Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.

23 51 16 00-0177	LF	6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	122.94	12.37
		For 316 Stainless Steel, Add	*16.57*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*18.42*	
23 51 16 00-0178	LF	8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	147.99	14.21
		For 316 Stainless Steel, Add	*20.23*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
23 51 16 00-0179	LF	10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	164.39	15.37
		For 316 Stainless Steel, Add	*22.67*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.59*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.19*	
23 51 16 00-0180	LF	12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	185.54	16.76
		For 316 Stainless Steel, Add	*25.84*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.71*	
23 51 16 00-0181	LF	14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	209.23	17.56
		For 316 Stainless Steel, Add	*29.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	
23 51 16 00-0182	LF	16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	220.97	18.49
		For 316 Stainless Steel, Add	*31.44*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*17.47*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*34.93*	
23 51 16 00-0183	LF	18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	245.05	19.53
		For 316 Stainless Steel, Add	*35.34*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*19.63*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*39.27*	
23 51 16 00-0184	LF	20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	301.84	30.85
		For 316 Stainless Steel, Add	*40.46*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.48*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.95*	
23 51 16 00-0185	LF	24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	376.45	34.66
		For 316 Stainless Steel, Add	*52.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*57.95*	
23 51 16 00-0186	LF	28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	425.50	36.98
		For 316 Stainless Steel, Add	*59.96*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*33.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*66.62*	
23 51 16 00-0187	LF	32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	476.32	41.02
		For 316 Stainless Steel, Add	*67.27*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0188	LF	36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	530.55	44.37
		For 316 Stainless Steel, Add	*75.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0189	LF	42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	605.68	50.49
		For 316 Stainless Steel, Add	*86.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0190	LF	48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	709.47	58.47
		For 316 Stainless Steel, Add	*101.39*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*112.66*	

23 51 16 00-0191 90 Degree Elbows *(23 51 16 00-0175)*

23 51 16 00-0192	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	586.47	25.54
		For 316 Stainless Steel, Add	*104.53*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*52.27*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*104.53*	
23 51 16 00-0193	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	647.88	28.43
		For 316 Stainless Steel, Add	*115.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*57.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*115.37*	
23 51 16 00-0194	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	737.89	30.85
		For 316 Stainless Steel, Add	*132.16*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.08*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.16*	
23 51 16 00-0195	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	834.16	33.62
		For 316 Stainless Steel, Add	*150.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*75.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*150.03*	
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	968.20	35.25
		For 316 Stainless Steel, Add	*176.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,067.34	36.98
		For 316 Stainless Steel, Add	*194.98*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,234.69	38.94
		For 316 Stainless Steel, Add	*227.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*113.74*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*227.48*	
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,426.88	61.59
		For 316 Stainless Steel, Add	*254.56*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*127.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*254.56*	
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,757.57	69.33
		For 316 Stainless Steel, Add	*316.85*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*158.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*316.85*	
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,134.72	73.95
		For 316 Stainless Steel, Add	*389.97*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*389.97*	
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,824.87	79.15
		For 316 Stainless Steel, Add	*525.37*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*262.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*525.37*	
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,210.01	92.43
		For 316 Stainless Steel, Add	*595.78*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*297.89*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*595.78*	
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,720.42	100.87
		For 316 Stainless Steel, Add	*893.68*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,896.63	110.92
		For 316 Stainless Steel, Add	*1,123.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*561.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*1,123.87*	

23 51 16 00-0206 45 Degree Elbows *(23 51 16 00-0175)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	389.27	24.61
		For 316 Stainless Steel, Add	*65.54*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*32.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*65.54*	
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	444.77	28.43
		For 316 Stainless Steel, Add	*74.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*37.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*74.74*	
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	494.13	30.85
		For 316 Stainless Steel, Add	*83.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	563.35	33.62
		For 316 Stainless Steel, Add	*95.87*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*95.87*	
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	635.09	35.25
		For 316 Stainless Steel, Add	*109.41*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.70*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*109.41*	
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	712.58	36.98
		For 316 Stainless Steel, Add	*124.03*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*62.02*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*124.03*	
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	798.68	38.94
		For 316 Stainless Steel, Add	*140.28*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*70.14*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*140.28*	
23 51 16 00-0214	EA	20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	955.68	61.59
		For 316 Stainless Steel, Add	*160.32*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.32*	
23 51 16 00-0215	EA	24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,202.41	69.33
		For 316 Stainless Steel, Add	*205.82*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*102.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*205.82*	
23 51 16 00-0216	EA	28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,349.37	73.95
		For 316 Stainless Steel, Add	*232.90*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*116.45*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*232.90*	
23 51 16 00-0217	EA	32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,755.16	79.15
		For 316 Stainless Steel, Add	*311.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*155.72*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*311.43*	
23 51 16 00-0218	EA	36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,329.88	92.43
		For 316 Stainless Steel, Add	*419.76*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*209.88*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*419.76*	
23 51 16 00-0219	EA	42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,095.56	100.87
		For 316 Stainless Steel, Add	*568.70*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0220	EA	48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,136.39	110.92
		For 316 Stainless Steel, Add	*771.81*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*385.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*771.81*	

23 51 16 00-0221 Tees *(23 51 16 00-0175)*

23 51 16 00-0222	EA	6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	421.04	30.85
		For 316 Stainless Steel, Add	*75.66*	
		For Tee Cap, Add	*95.77*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0223	EA	8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	479.39	33.62
		For 316 Stainless Steel, Add	*86.98*	
		For Tee Cap, Add	*108.48*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*39.54*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*79.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0224	EA	10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	551.11	35.25
		For 316 Stainless Steel, Add	*101.88*	
		For Tee Cap, Add	*123.43*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*46.31*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*92.62*	
23 51 16 00-0225	EA	12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	634.03	36.98
		For 316 Stainless Steel, Add	*119.16*	
		For Tee Cap, Add	*140.67*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*54.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*108.32*	
23 51 16 00-0226	EA	14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	741.82	41.14
		For 316 Stainless Steel, Add	*140.60*	
		For Tee Cap, Add	*163.77*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*127.82*	
23 51 16 00-0227	EA	16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	833.12	46.22
		For 316 Stainless Steel, Add	*157.88*	
		For Tee Cap, Add	*183.94*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*71.77*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*143.53*	
23 51 16 00-0228	EA	18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	971.46	52.81
		For 316 Stainless Steel, Add	*184.69*	
		For Tee Cap, Add	*214.08*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*83.95*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*167.90*	
23 51 16 00-0229	EA	20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,110.95	65.28
		For 316 Stainless Steel, Add	*208.52*	
		For Tee Cap, Add	*246.66*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*94.78*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*189.57*	
23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,409.12	92.43
		For 316 Stainless Steel, Add	*259.17*	
		For Tee Cap, Add	*316.49*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*117.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*235.61*	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,714.42	100.87
		For 316 Stainless Steel, Add	*321.72*	
		For Tee Cap, Add	*380.69*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*146.24*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*292.48*	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,281.30	110.92
		For 316 Stainless Steel, Add	*440.88*	
		For Tee Cap, Add	*497.86*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*200.40*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*400.80*	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,542.47	123.29
		For 316 Stainless Steel, Add	*491.52*	
		For Tee Cap, Add	*554.74*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*223.42*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,050.44	184.88
		For 316 Stainless Steel, Add	*789.42*	
		For Tee Cap, Add	*879.42*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*358.83*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*717.65*	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,090.75	221.84
		For 316 Stainless Steel, Add	*997.94*	
		For Tee Cap, Add	*1,101.35*	
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*453.61*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*907.22*	

23 51 16 00-0236 Bellows *(23 51 16 00-0175)*

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	803.61	24.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*74.20*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*148.40*	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	875.36	28.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*80.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*160.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	957.25	30.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*88.01*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*176.03*	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,058.93	33.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*97.49*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*194.98*	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,184.84	35.25
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*109.68*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*219.36*	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,311.07	36.98
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,464.88	38.94
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*136.76*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*273.52*	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,697.67	61.59
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*154.36*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*308.72*	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,096.10	69.33
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*192.28*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*384.55*	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,351.39	73.95
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*216.65*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*433.30*	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,689.59	79.26
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*249.15*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*498.29*	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,074.63	92.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*284.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*568.70*	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,908.01	100.87
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*365.60*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*731.19*	
23 51 16 00-0250	EA	48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,745.71	110.92
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*446.84*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*893.68*	

23 51 16 00-0251 Ventilated Roof Thimbles *(23 51 16 00-0175)*

23 51 16 00-0252	EA	6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	531.48	28.43
		For 316 Stainless Steel, Add	*57.55*	
23 51 16 00-0253	EA	8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	576.89	33.62
		For 316 Stainless Steel, Add	*61.61*	
23 51 16 00-0254	EA	10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	631.31	36.98
		For 316 Stainless Steel, Add	*67.36*	
23 51 16 00-0255	EA	12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	682.31	41.14
		For 316 Stainless Steel, Add	*72.44*	
23 51 16 00-0256	EA	14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	869.76	43.56
		For 316 Stainless Steel, Add	*95.12*	
23 51 16 00-0257	EA	16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	776.30	46.22
		For 316 Stainless Steel, Add	*82.60*	
23 51 16 00-0258	EA	18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	835.54	49.33
		For 316 Stainless Steel, Add	*89.03*	
23 51 16 00-0259	EA	20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	937.03	69.33
		For 316 Stainless Steel, Add	*95.46*	
23 51 16 00-0260	EA	24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,050.93	79.15
		For 316 Stainless Steel, Add	*106.63*	
23 51 16 00-0261	EA	28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,201.64	85.27
		For 316 Stainless Steel, Add	*123.56*	
23 51 16 00-0262	EA	32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,341.28	92.32
		For 316 Stainless Steel, Add	*138.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0263	EA	36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,495.79	110.81
		For 316 Stainless Steel, Add	*152.33*	
23 51 16 00-0264	EA	42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,919.32	123.18
		For 316 Stainless Steel, Add	*201.42*	
23 51 16 00-0265	EA	48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,377.48	138.54
		For 316 Stainless Steel, Add	*253.89*	

23 51 16 00-0266 Exit Cones *(23 51 16 00-0175)*

23 51 16 00-0267	EA	6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	367.91	16.06
23 51 16 00-0268	EA	8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	387.96	17.56
23 51 16 00-0269	EA	10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	417.22	18.49
23 51 16 00-0270	EA	12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	435.91	19.42
23 51 16 00-0271	EA	14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	480.54	19.99
23 51 16 00-0272	EA	16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	525.18	20.45
23 51 16 00-0273	EA	18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	637.73	21.15
23 51 16 00-0274	EA	20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	795.03	39.64
23 51 16 00-0275	EA	24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,000.32	42.64
23 51 16 00-0276	EA	28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,194.17	44.37
23 51 16 00-0277	EA	32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,469.62	46.22
23 51 16 00-0278	EA	36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,669.72	50.49
23 51 16 00-0279	EA	42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,109.02	52.81
23 51 16 00-0280	EA	48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,697.84	55.47

23 51 16 00-0281 Vent Top Caps *(23 51 16 00-0175)*

23 51 16 00-0282	EA	6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	403.03	16.06
23 51 16 00-0283	EA	8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	466.50	17.56
23 51 16 00-0284	EA	10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	541.76	18.49
23 51 16 00-0285	EA	12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	622.74	19.42
23 51 16 00-0286	EA	14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	726.93	19.99
23 51 16 00-0287	EA	16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	825.85	20.56
23 51 16 00-0288	EA	18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	919.41	21.15
23 51 16 00-0289	EA	20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,100.95	39.64
23 51 16 00-0290	EA	24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,311.74	42.64
23 51 16 00-0291	EA	28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,424.30	44.37
23 51 16 00-0292	EA	32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,618.48	46.22
23 51 16 00-0293	EA	36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,886.23	50.38
23 51 16 00-0294	EA	42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,298.50	52.81
23 51 16 00-0295	EA	48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,670.66	55.47

23 51 16 00-0296 Roof Support Assemblies *(23 51 16 00-0175)*

23 51 16 00-0297	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	607.35	29.58
		For 316 Stainless Steel, Add	*106.70*	
23 51 16 00-0298	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	670.29	35.25
		For 316 Stainless Steel, Add	*116.45*	
23 51 16 00-0299	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	736.34	38.94
		For 316 Stainless Steel, Add	*127.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0300	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	785.71	43.44
		For 316 Stainless Steel, Add	*135.41*	
23 51 16 00-0301	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	876.52	46.22
		For 316 Stainless Steel, Add	*152.20*	
23 51 16 00-0302	EA	16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	930.29	49.33
		For 316 Stainless Steel, Add	*161.40*	
23 51 16 00-0303	EA	18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	998.77	52.92
		For 316 Stainless Steel, Add	*173.32*	
23 51 16 00-0304	EA	20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,105.64	73.95
		For 316 Stainless Steel, Add	*184.15*	
23 51 16 00-0305	EA	24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,242.42	85.38
		For 316 Stainless Steel, Add	*205.82*	
23 51 16 00-0306	EA	28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,436.20	92.43
		For 316 Stainless Steel, Add	*241.02*	
23 51 16 00-0307	EA	32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,714.44	100.87
		For 316 Stainless Steel, Add	*292.48*	
23 51 16 00-0308	EA	36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,987.31	123.29
		For 316 Stainless Steel, Add	*335.81*	
23 51 16 00-0309	EA	42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,973.48	138.65
		For 316 Stainless Steel, Add	*525.37*	
23 51 16 00-0310	EA	48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	3,643.81	157.61
		For 316 Stainless Steel, Add	*649.95*	

23 51 16 00-0311 Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings *(23 51 16)*

Note: With 1" insulation.

23 51 16 00-0312 Round Stainless Steel Double Wall Flue/Vent Pipe *(23 51 16 00-0311)*

Note: With 1" insulation.

23 51 16 00-0313	LF	6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	106.69	12.37
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*7.58*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*15.17*	
23 51 16 00-0314	LF	7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	130.52	13.17
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*9.75*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*19.50*	
23 51 16 00-0315	LF	8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	149.34	14.21
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*11.37*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*22.75*	
23 51 16 00-0316	LF	10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	203.61	15.37
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.52*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.04*	
23 51 16 00-0317	LF	12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	264.13	16.87
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*22.21*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*44.41*	
23 51 16 00-0318	LF	14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe	336.61	17.68
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*29.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*58.50*	

23 51 16 00-0319 90 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0320	EA	6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	230.89	24.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.93*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*33.85*	
23 51 16 00-0321	EA	7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	255.54	26.34
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*18.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*37.91*	
23 51 16 00-0322	EA	8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	287.74	28.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.67*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*43.33*	
23 51 16 00-0323	EA	10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	358.72	30.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*28.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*56.33*	
23 51 16 00-0324	EA	12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	427.95	33.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*34.39*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*68.79*	
23 51 16 00-0325	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe	499.62	35.25
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.16*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*82.33*	

23 51 16 00-0326 45 Degree Elbows *(23 51 16 00-0311)*

23 51 16 00-0327	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	188.58	24.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*12.69*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*25.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0328	EA	7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	208.15	26.34
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*14.22*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*28.44*	
23 51 16 00-0329	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	233.59	28.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*16.25*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*32.50*	
23 51 16 00-0330	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	288.30	30.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*21.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*42.25*	
23 51 16 00-0331	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	341.94	33.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*25.80*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*51.59*	
23 51 16 00-0332	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe	396.77	35.25
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*30.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*61.74*	
23 51 16 00-0333		**Tees With Tee Caps** *(23 51 16 00-0311)*		
23 51 16 00-0334	EA	6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	381.14	24.61
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*31.96*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*63.91*	
23 51 16 00-0335	EA	7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	483.03	26.34
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*41.71*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*83.41*	
23 51 16 00-0336	EA	8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	542.27	28.43
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*47.12*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*94.24*	
23 51 16 00-0337	EA	10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	740.49	30.85
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*66.35*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*132.70*	
23 51 16 00-0338	EA	12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,018.27	33.62
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*93.43*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*186.86*	
23 51 16 00-0339	EA	14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe	1,306.61	35.25
		For 2" Insulated Wall Instead Of 1" Thickness, Add	*121.87*	
		For 3" Insulated Wall Instead Of 1" Thickness, Add	*243.73*	
23 51 16 00-0340		**Joist Shields** *(23 51 16 00-0311)*		
23 51 16 00-0341	EA	6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	159.08	24.61
23 51 16 00-0342	EA	7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	171.60	26.34
23 51 16 00-0343	EA	8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	201.05	28.43
23 51 16 00-0344	EA	10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	251.79	30.85
23 51 16 00-0345	EA	12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	302.00	33.62
23 51 16 00-0346	EA	14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe	358.80	35.25
23 51 16 00-0347		**Adjustable Roof Flashing** *(23 51 16 00-0311)*		
23 51 16 00-0348	EA	6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	190.23	24.61
23 51 16 00-0349	EA	7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	212.21	26.34
23 51 16 00-0350	EA	8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	230.82	28.43
23 51 16 00-0351	EA	10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	281.55	30.85
23 51 16 00-0352	EA	12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	348.12	33.62
23 51 16 00-0353	EA	14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe	418.34	35.12
23 51 16 00-0354		**Vent Top Caps** *(23 51 16 00-0311)*		
23 51 16 00-0355	EA	6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	169.91	24.61
23 51 16 00-0356	EA	7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	213.56	26.34
23 51 16 00-0357	EA	8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	268.74	28.43
23 51 16 00-0358	EA	10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	431.89	30.85
23 51 16 00-0359	EA	12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	590.48	33.62
23 51 16 00-0360	EA	14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe	754.22	35.25
23 51 16 00-0361		**Roof Support Assemblies** *(23 51 16 00-0311)*		
23 51 16 00-0362	EA	6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	255.13	24.61
23 51 16 00-0363	EA	7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	283.97	26.34
23 51 16 00-0364	EA	8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	308.00	28.43
23 51 16 00-0365	EA	10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	388.45	30.85
23 51 16 00-0366	EA	12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	460.44	33.62
23 51 16 00-0367	EA	14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe	564.65	35.25
23 51 16 00-0368		**Polyvinyl Chloride (PVC) Flue/Vent Accessories** *(23 51 16)*		
23 51 16 00-0369		**Concentric Polyvinyl Chloride (PVC) Vent Termination** *(23 51 16 00-0368)*		
23 51 16 00-0370	EA	2" Concentric Polyvinyl Chloride (PVC) Vent Termination	246.42	47.05
23 51 16 00-0371	EA	3" Concentric Polyvinyl Chloride (PVC) Vent Termination	268.18	47.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0372		**Polypropylene (PP) Flue/Vent Pipe And Fittings** *(23 51 16)*		
		Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373		**Polypropylene Flue/Vent Rigid Pipe Sections** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA	2" x 12" Polypropylene Flue/Vent Rigid Pipe Section	44.35	14.29
23 51 16 00-0375	EA	2" x 24" Polypropylene Flue/Vent Rigid Pipe Section	50.78	15.04
23 51 16 00-0376	EA	2" x 36" Polypropylene Flue/Vent Rigid Pipe Section	58.35	16.72
23 51 16 00-0377	EA	2" x 72" Polypropylene Flue/Vent Rigid Pipe Section	72.78	19.67
23 51 16 00-0378	EA	3" x 12" Polypropylene Flue/Vent Rigid Pipe Section	53.55	16.38
23 51 16 00-0379	EA	3" x 24" Polypropylene Flue/Vent Rigid Pipe Section	65.39	17.25
23 51 16 00-0380	EA	3" x 36" Polypropylene Flue/Vent Rigid Pipe Section	80.82	19.17
23 51 16 00-0381	EA	3" x 72" Polypropylene Flue/Vent Rigid Pipe Section	100.30	22.55
23 51 16 00-0382	EA	4" x 12" Polypropylene Flue/Vent Rigid Pipe Section	90.12	21.68
23 51 16 00-0383	EA	4" x 24" Polypropylene Flue/Vent Rigid Pipe Section	107.27	22.81
23 51 16 00-0384	EA	4" x 36" Polypropylene Flue/Vent Rigid Pipe Section	134.29	25.35
23 51 16 00-0385	EA	4" x 72" Polypropylene Flue/Vent Rigid Pipe Section	174.90	29.83
23 51 16 00-0386	EA	5" x 12" Polypropylene Flue/Vent Rigid Pipe Section	133.73	31.99
23 51 16 00-0387	EA	5" x 24" Polypropylene Flue/Vent Rigid Pipe Section	153.79	33.67
23 51 16 00-0388	EA	5" x 36" Polypropylene Flue/Vent Rigid Pipe Section	201.86	37.41
23 51 16 00-0389	EA	5" x 72" Polypropylene Flue/Vent Rigid Pipe Section	263.78	44.03
23 51 16 00-0390		**Polypropylene Flue/Vent Elbows** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA	2" Polypropylene Flue/Vent 15 Degree Elbow	54.91	17.37
23 51 16 00-0392	EA	3" Polypropylene Flue/Vent 15 Degree Elbow	64.84	18.28
23 51 16 00-0393	EA	4" Polypropylene Flue/Vent 15 Degree Elbow	82.11	18.95
23 51 16 00-0394	EA	5" Polypropylene Flue/Vent 15 Degree Elbow	96.02	19.73
23 51 16 00-0395	EA	2" Polypropylene Flue/Vent 30 Degree Elbow	54.91	17.37
23 51 16 00-0396	EA	3" Polypropylene Flue/Vent 30 Degree Elbow	64.84	18.28
23 51 16 00-0397	EA	4" Polypropylene Flue/Vent 30 Degree Elbow	82.11	18.95
23 51 16 00-0398	EA	5" Polypropylene Flue/Vent 30 Degree Elbow	96.02	19.73
23 51 16 00-0399	EA	2" Polypropylene Flue/Vent 45 Degree Elbow	54.91	17.37
23 51 16 00-0400	EA	3" Polypropylene Flue/Vent 45 Degree Elbow	64.84	18.28
23 51 16 00-0401	EA	4" Polypropylene Flue/Vent 45 Degree Elbow	82.11	18.95
23 51 16 00-0402	EA	5" Polypropylene Flue/Vent 45 Degree Elbow	96.02	19.73
23 51 16 00-0403	EA	2" Polypropylene Flue/Vent 87 Degree Elbow	54.91	17.37
23 51 16 00-0404	EA	3" Polypropylene Flue/Vent 87 Degree Elbow	64.84	18.28
23 51 16 00-0405	EA	4" Polypropylene Flue/Vent 87 Degree Elbow	81.03	18.95
23 51 16 00-0406	EA	5" Polypropylene Flue/Vent 87 Degree Elbow	98.69	19.73
23 51 16 00-0407		**Polypropylene Flue/Vent Tees** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA	2" Polypropylene Flue/Vent Tee	178.89	26.05
23 51 16 00-0409	EA	3" Polypropylene Flue/Vent Tee	226.30	27.43
23 51 16 00-0410	EA	4" Polypropylene Flue/Vent Tee	266.66	28.43
23 51 16 00-0411	EA	5" Polypropylene Flue/Vent Tee	292.20	29.58
23 51 16 00-0412		**Polypropylene Flue/Vent Adaptors** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA	2" Polypropylene Flue/Vent Adaptor With Gasket	65.45	17.37
23 51 16 00-0414	EA	3" Polypropylene Flue/Vent Adaptor With Gasket	95.52	18.28
23 51 16 00-0415	EA	4" Polypropylene Flue/Vent Adaptor With Gasket	111.81	18.95
23 51 16 00-0416	EA	5" Polypropylene Flue/Vent Adaptor With Gasket	154.09	19.73
23 51 16 00-0417		**Polypropylene Flue/Vent Increases** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA	2" to 3" Polypropylene Flue/Vent Centric Increaser	72.91	17.82
23 51 16 00-0419	EA	3" to 4" Polypropylene Flue/Vent Centric Increaser	80.07	18.61
23 51 16 00-0420	EA	4" to 5" Polypropylene Flue/Vent Centric Increaser	147.73	19.33
23 51 16 00-0421	EA	2" to 3" Polypropylene Flue/Vent Eccentric Increaser	99.94	17.82
23 51 16 00-0422	EA	3" to 4" Polypropylene Flue/Vent Eccentric Increaser	77.87	18.61
23 51 16 00-0423	EA	4" to 5" Polypropylene Flue/Vent Eccentric Increaser	205.47	19.33
23 51 16 00-0424		**Polypropylene Flue/Vent Reducers** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA	3" to 2" Polypropylene Flue/Vent Reducer	72.91	17.82
23 51 16 00-0426	EA	4" to 3" Polypropylene Flue/Vent Reducer	80.07	18.61
23 51 16 00-0427	EA	5" to 4" Polypropylene Flue/Vent Reducer	183.73	19.33
23 51 16 00-0428		**Polypropylene Flue/Vent Test Ports** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA	2" Polypropylene Flue/Vent Test Port	91.57	26.05
23 51 16 00-0430	EA	3" Polypropylene Flue/Vent Test Port	103.19	27.43
23 51 16 00-0431	EA	4" Polypropylene Flue/Vent Test Port	161.48	28.43

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23 51 16 00-0432	EA	5" Polypropylene Flue/Vent Test Port	172.62	29.58
23 51 16 00-0433		**Polypropylene Flue/Vent Cascade Components** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA	4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder	271.51	28.43
23 51 16 00-0435	EA	4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	356.01	35.53
23 51 16 00-0436	EA	5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder	221.71	29.58
23 51 16 00-0437	EA	5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder	330.19	36.98
23 51 16 00-0438	EA	3" to 4" Polypropylene Flue/Vent Non-Return Valve	351.15	18.61
23 51 16 00-0439	EA	4" to 4" Polypropylene Flue/Vent Non-Return Valve	407.11	19.33
23 51 16 00-0440		**Polypropylene Flue/Vent Condensate Management** *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA	2" Polypropylene Flue/Vent Horizontal Drain Tee	128.07	26.05
23 51 16 00-0442	EA	3" Polypropylene Flue/Vent Horizontal Drain Tee	155.84	27.43
23 51 16 00-0443	EA	4" Polypropylene Flue/Vent Horizontal Drain Tee	179.27	28.43
23 51 16 00-0444	EA	5" Polypropylene Flue/Vent Horizontal Drain Tee	205.28	29.58
23 51 16 00-0445	EA	4" Polypropylene Flue/Vent Horizontal Drain Fittings	228.66	28.43
23 51 16 00-0446	EA	5" Polypropylene Flue/Vent Horizontal Drain Fittings	252.55	29.58
23 51 16 00-0447	EA	2" Polypropylene Flue/Vent Tee Cap	75.44	8.69
23 51 16 00-0448	EA	3" Polypropylene Flue/Vent Tee Cap	97.37	9.14
23 51 16 00-0449	EA	4" Polypropylene Flue/Vent Tee Cap	116.08	9.48
23 51 16 00-0450	EA	5" Polypropylene Flue/Vent Tee Cap	152.26	9.86
23 51 16 00-0451	EA	2" Polypropylene Flue/Vent Tee Cap With Drain	143.87	26.05
23 51 16 00-0452	EA	3" Polypropylene Flue/Vent Tee Cap With Drain	177.74	27.43
23 51 16 00-0453	EA	4" Polypropylene Flue/Vent Tee Cap With Drain	206.44	28.43
23 51 16 00-0454	EA	5" Polypropylene Flue/Vent Tee Cap With Drain	249.95	29.58
23 51 16 00-0455		**Polypropylene Flue/Vent Terminations** *(23 51 16 00-0372)*		
23 51 16 00-0456	EA	2" Polypropylene-UV Black Flue/Vent Chimney Cover	191.26	17.37
23 51 16 00-0457	EA	3" Polypropylene-UV Black Flue/Vent Chimney Cover	167.96	18.28
23 51 16 00-0458	EA	4" Polypropylene-UV Black Flue/Vent Chimney Cover	211.20	18.95
23 51 16 00-0459	EA	3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	436.68	18.28
23 51 16 00-0460	EA	4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	466.42	18.95
23 51 16 00-0461	EA	5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe	545.10	19.73
23 51 16 00-0462	EA	2"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	111.11	17.37
23 51 16 00-0463	EA	2"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	117.88	17.37
23 51 16 00-0464	EA	2"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	124.65	17.37
23 51 16 00-0465	EA	2"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	131.42	17.37
23 51 16 00-0466	EA	3"/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	120.17	18.28
23 51 16 00-0467	EA	3"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	126.94	18.28
23 51 16 00-0468	EA	3"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	133.71	18.28
23 51 16 00-0469	EA	3"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	140.48	18.28
23 51 16 00-0470	EA	4"/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	135.37	18.95
23 51 16 00-0471	EA	4"/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	142.14	18.95
23 51 16 00-0472	EA	4"/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar	148.91	18.95
23 51 16 00-0473	EA	2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	117.81	17.37
23 51 16 00-0474	EA	3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination	151.98	18.28
23 51 16 00-0475	EA	2" Polypropylene-UV Black Flue/Vent Termination Tee	135.41	26.05
23 51 16 00-0476	EA	3" Polypropylene-UV Black Flue/Vent Termination Tee	180.12	27.43
23 51 16 00-0477	EA	4" Polypropylene-UV Black Flue/Vent Termination Tee	214.01	28.43
23 51 16 00-0478	EA	5" Polypropylene-UV Black Flue/Vent Termination Tee	236.25	29.58
23 51 16 00-0479	EA	2" x 20" Polypropylene-UV Black Flue/Vent End Pipe	46.67	15.04
23 51 16 00-0480	EA	2" x 39" Polypropylene-UV Black Flue/Vent End Pipe	56.18	16.72
23 51 16 00-0481	EA	3" x 20" Polypropylene-UV Black Flue/Vent End Pipe	56.37	17.25
23 51 16 00-0482	EA	3" x 39" Polypropylene-UV Black Flue/Vent End Pipe	71.08	19.17
23 51 16 00-0483	EA	4" x 20" Polypropylene-UV Black Flue/Vent End Pipe	85.97	22.81
23 51 16 00-0484	EA	5" x 20" Polypropylene-UV Black Flue/Vent End Pipe	118.06	33.67
23 51 16 00-0485	EA	5" x 39" Polypropylene-UV Black Flue/Vent End Pipe	144.00	37.41
23 51 16 00-0486	EA	2" x 24" Polypropylene-UV Black Flue/Vent Vent Length	52.10	15.04
23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length	67.62	17.25
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length	112.29	22.81
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	57.07	17.37
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	67.55	18.28
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow	85.57	18.95
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	56.05	17.37
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	66.87	18.28
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow	84.38	18.95
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	37.32	8.69
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	43.78	9.14
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent	49.27	9.48
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent	99.24	9.14
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent	114.23	9.86
23 51 16 00-0500		**Polypropylene Flue/Vent Accessories** *(23 51 16 00-0372)*		
23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent	19.05	4.34
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent	18.01	4.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent	18.54	4.73
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent	30.04	4.93
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent	36.47	6.52
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent	43.09	6.85
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent	50.25	7.11
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent	34.58	6.52
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent	34.31	7.11
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent	42.21	7.39
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent	25.81	6.85
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	50.24	17.37
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	55.66	18.28
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	60.16	18.95
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent	67.64	19.73
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.35	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent	4.86	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent	6.58	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent	10.87	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent	15.53	4.34
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent	17.68	4.57
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent	19.10	4.73
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent	21.21	4.93
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White	82.23	8.69
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White	84.23	9.14
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White	61.70	9.48
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent	71.83	6.52
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent	74.04	6.85
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent	100.08	7.11
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent	171.13	7.39
23 51 16 00-0531		Polypropylene Flue/Vent Flex Pipe *(23 51 16 00-0372)*		
23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe	12.85	1.52
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe	11.05	1.52
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe	15.80	1.80
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe	13.54	1.80
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe	22.93	2.22
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe	19.45	2.22
23 51 16 00-0538		Polypropylene Flue/Vent Couplers *(23 51 16 00-0372)*		
		Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex	88.27	17.37
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall	99.58	17.37
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall	208.51	18.28
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall	385.83	18.95
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex	102.91	17.37
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex	249.80	18.28
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex	656.59	18.95
23 51 16 00-0546		Polypropylene Flue/Vent Flex End Terminations *(23 51 16 00-0372)*		
23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	117.91	17.37
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	108.18	18.28
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination	135.00	18.95
23 51 16 00-0550		Aluminum Flue/Vent Fittings *(23 51 16)*		
23 51 16 00-0551		Aluminum Vent Top Caps *(23 51 16 00-0550)*		
23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK)	112.76	17.22
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK)	120.03	16.87
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK)	130.39	17.68
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK)	184.33	18.49
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK)	206.23	20.56
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK)	603.29	21.72
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK)	617.96	23.11

23 52 Heating Boilers *(23 50)*

23 52 13 Electric Boilers *(23 52)*

23 52 13 00-0001		Packaged Electric Steam Boiler *(23 52 13)*		
		Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH gross rated output.		
23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	9,049.01	679.36
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,768.82	792.59
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,488.39	849.20
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,679.98	905.81
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,842.75	962.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	14,994.93	1,075.66
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	17,147.21	1,188.88
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	17,839.81	1,245.50
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	18,777.56	1,302.11
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	24,574.09	1,415.33
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	25,612.48	1,471.94
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	26,933.23	1,619.32
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	28,054.62	1,739.27
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	30,270.73	1,859.23
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	32,604.23	2,039.15
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	34,665.90	2,099.12
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	36,353.21	2,159.09
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	38,607.65	2,219.07
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	40,862.68	2,279.05
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	43,723.93	2,399.00
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	46,669.13	2,518.94
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	49,554.35	2,578.92
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	54,945.99	2,638.89
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	59,177.88	2,758.85
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	60,608.50	2,878.79
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	66,664.90	3,058.72
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	68,823.73	3,238.64
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	71,102.51	3,418.56
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	75,539.84	3,598.49
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	77,510.10	3,718.44
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	80,097.14	3,958.35
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	82,838.42	4,198.24
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	90,513.87	4,438.14
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	95,431.01	4,678.05

23 52 13 00-0036 Packaged Electric Hot Water Boiler *(23 52 13)*

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.). Rated by KW and MBH gross rated output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,942.40	622.74
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,368.00	679.36
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,793.60	735.97
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,205.63	792.59
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,680.62	849.20
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	10,031.74	905.81
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,457.34	962.43
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	11,095.74	1,019.04
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,652.70	1,075.66
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	11,993.18	1,132.27
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	12,878.64	1,188.88
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,712.62	1,245.50
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	15,220.86	1,302.11
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	16,203.87	1,358.73
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	17,031.07	1,415.33
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	18,492.17	1,471.94
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	20,239.54	1,619.32
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	21,763.97	1,739.27
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	23,418.99	1,859.23
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	25,063.37	2,039.15
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	26,718.39	2,159.09
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	28,255.41	2,279.05
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	30,392.19	2,339.02
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	32,390.60	2,399.00
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	34,303.88	2,518.94
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	36,314.68	2,518.94
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	39,792.39	2,578.92
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	41,644.54	2,638.89
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	43,963.19	2,758.85
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	45,732.33	2,818.82
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	47,507.60	2,878.79
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	48,830.69	3,058.72
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	51,231.58	3,238.64
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	59,660.78	3,418.56
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	65,469.93	3,598.49
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	68,027.13	3,718.44
23 52 13 00-0073	EA	1350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	70,867.05	3,958.35
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	73,706.98	4,198.24
23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	81,727.62	4,438.14
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	86,889.02	4,678.05
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	89,090.55	4,797.99
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	91,292.08	4,917.94
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	91,771.88	5,097.87
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	98,542.82	5,217.82
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	103,065.82	5,397.74
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	110,649.32	5,757.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	119,205.97	6,357.34
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	129,027.86	7,077.03
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	136,611.36	7,796.73

23 52 16 Condensing Boilers *(23 52)*

23 52 16 13 Stainless-Steel Condensing Boilers *(23 52 16)*

23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code). Rated by gross rated output.

23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,521.32	452.91
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,251.18	603.27
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,135.00	679.25
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	14,983.60	717.06
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	19,765.71	830.29
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	22,873.14	905.70
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	30,883.45	1,056.64
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798) Note: Includes vent manifold.	42,906.42	1,207.68
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998) Note: Includes vent manifold.	52,455.67	1,320.90
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	75,698.97	1,547.24
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	83,416.18	1,660.47

23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	39,671.72	981.22
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	41,545.59	1,056.64
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	46,453.58	1,207.68
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	50,201.31	1,358.60
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	55,666.25	1,471.83
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	63,685.86	1,547.24
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	76,509.23	1,660.47

23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Includes Riello burners. Rated by gross rated output.

23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	78,015.47	1,811.40
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	90,338.69	1,886.93
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	104,686.42	1,962.45

23 52 16 13-0025 Laars Neotherm Stainless Steel Condensing Boiler *(23 52 16 13)*

Note: Compliant with SCAQMD. Rated by gross rated input.

23 52 16 13-0026	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	8,764.08	490.61
23 52 16 13-0027	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	10,003.81	566.13
23 52 16 13-0028	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	11,204.23	679.25
23 52 16 13-0029	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	12,478.21	754.77
23 52 16 13-0030	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	15,710.38	830.29
23 52 16 13-0031	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	20,542.94	905.70
23 52 16 13-0032	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	24,691.01	981.22
23 52 16 13-0033	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	27,413.04	1,056.64
23 52 16 13-0034	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	29,778.54	1,132.16
23 52 16 13-0035	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	32,370.51	1,283.08
23 52 16 13-0036	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	46,112.21	1,358.60
23 52 16 13-0037	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	61,324.49	1,585.06

23 52 16 13-0038 AERCO Benchmark Stainless-Steel Condensing Boilers *(23 52 16 13)*

Note: Rated by gross rated output.

23 52 16 13-0039	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN) Note: Includes gas PRV and pump delay relay.	49,960.07	1,547.24
23 52 16 13-0040	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN) Note: Includes gas PRV and pump delay relay.	59,286.96	1,660.47
23 52 16 13-0041	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	85,245.96	1,849.22
23 52 16 13-0042	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000) Note: Includes gas PRV and pump delay relay.	90,827.74	1,849.22

23 52 16 13-0043 Lochinvar Knight Stainless Steel Condensing Boilers *(23 52 16 13)*

Note: Rated by gross rated output.

23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,149.25	679.25
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,725.74	754.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 13-0046		Lochinvar Knight XL Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0047	EA	387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N)	17,858.74	868.00
23 52 16 13-0048	EA	485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N)	22,272.18	905.70
23 52 16 13-0049	EA	631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N)	27,339.26	981.22
23 52 16 13-0050	EA	776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N)	32,791.47	1,018.93
23 52 16 13-0051	EA	969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N)	40,105.33	1,094.45
23 52 16 13-0052		Lochinvar Crest Stainless Steel Condensing Boilers *(23 52 16 13)*		
		Note: Rated by gross rated output.		
23 52 16 13-0053	EA	1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251)	50,836.89	1,282.86
23 52 16 13-0054	EA	1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501)	52,462.42	1,471.83
23 52 16 13-0055	EA	1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751)	57,515.78	1,565.93
23 52 16 13-0056	EA	1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001)	62,569.14	1,660.47
23 52 16 13-0057	EA	2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501)	73,424.45	1,735.99
23 52 16 13-0058	EA	2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001)	81,355.96	1,811.40
23 52 16 13-0059	EA	3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501)	99,985.48	1,886.93
23 52 16 13-0060	EA	3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001)	110,483.99	1,962.34
23 52 16 13-0061	EA	4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001)	135,581.06	2,037.75
23 52 16 13-0062		Patterson Kelley Stainless Steel Condensing Boilers *(23 52 16 13)*		
23 52 16 13-0063		Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series *(23 52 16 13-0062)*		
23 52 16 13-0064	EA	1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500)	47,475.77	1,547.24
23 52 16 13-0065	EA	3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000)	72,983.90	1,849.22
23 52 16 13-0066		Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series *(23 52 16 13-0062)*		
23 52 16 13-0067	EA	650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650)	24,749.32	1,094.45
23 52 16 13-0068	EA	1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000)	29,756.66	1,358.60
23 52 16 13-0069	EA	2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000)	50,461.93	1,660.47
23 52 16 13-0070	EA	4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000)	86,653.91	1,962.45
23 52 16 13-0071		Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series *(23 52 16 13-0062)*		
23 52 16 13-0072	EA	1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250)	36,256.20	1,434.01
23 52 16 13-0073	EA	2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000)	59,675.53	1,660.47
23 52 16 13-0074	EA	4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000)	88,614.24	1,962.45
23 52 16 16		**Aluminum Condensing Boilers** *(23 52 16)*		
23 52 16 16-0001		Weil McLain Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0002	EA	80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	8,417.47	490.61
23 52 16 16-0003	EA	105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	9,276.30	566.13
23 52 16 16-0004	EA	155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	10,459.14	679.25
23 52 16 16-0005	EA	230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	11,739.55	754.77
23 52 16 16-0006	EA	310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310) Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.	15,241.07	868.00
23 52 16 16-0007		Patterson Kelley Mach Series Aluminum Condensing Boilers *(23 52 16 16)*		
		Note: Rated by gross rated output.		
23 52 16 16-0008	EA	300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300)	20,773.68	830.29
23 52 16 16-0009	EA	450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450)	23,374.04	943.52
23 52 16 16-0010	EA	750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750)	26,459.31	1,132.16
23 52 16 16-0011	EA	900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900)	39,256.92	1,283.08
23 52 16 16-0012	EA	1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050)	41,006.27	1,358.60
23 52 16 16-0013	EA	1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500)	63,700.70	1,547.24
23 52 16 16-0014	EA	2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000)	68,981.78	1,660.47
23 52 16 16-0015	EA	2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500)	81,319.28	1,811.40
23 52 16 16-0016	EA	3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000)	94,414.75	1,849.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0017	EA	4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000)	107,439.13	1,962.45
23 52 16 16-0018		**Buderus GB142 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) Note: Includes an aluminum heat exchanger and three speed circulating pump.	6,080.63	452.91
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) Note: Includes an aluminum heat exchanger and three speed circulating pump.	7,062.67	528.31
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,155.45	641.54
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) Note: Includes an aluminum heat exchanger and three speed circulating pump.	8,932.92	717.06
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46)	348.00	113.23
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3)	449.04	113.23
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265)	935.21	113.23
23 52 16 16-0026		**Buderus GB162 Wall Hung Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	10,105.36	830.29
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.	12,406.62	868.00
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	23,704.48	1,018.93
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	22,178.00	1,018.93
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	28,306.99	1,094.45
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	26,780.51	1,094.45
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	32,914.56	1,283.08
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	39,705.14	1,358.60
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	40,826.11	1,434.01
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	41,437.47	1,434.01
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	49,691.48	1,471.83
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.	50,302.84	1,471.83
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35)	764.93	113.23
23 52 16 16-0040		**Buderus GB312 Aluminum Condensing Boilers** *(23 52 16 16)* Note: Includes standard controls. Rated by gross rated output.		
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) Note: Includes an aluminum heat exchanger.	14,330.25	830.29
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) Note: Includes an aluminum heat exchanger.	16,684.97	905.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) Note: Includes an aluminum heat exchanger.	20,848.83	1,000.02
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) Note: Includes an aluminum heat exchanger.	23,943.44	1,094.45
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) Note: Includes an aluminum heat exchanger.	28,600.86	1,207.68
23 52 16 16-0046	EA	944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280) Note: Includes an aluminum heat exchanger.	31,576.37	1,320.90
23 52 16 16-0047	EA	Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985)	497.63	56.61
23 52 16 16-0048	EA	Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125)	274.31	56.61
23 52 16 16-0049	EA	Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550)	387.07	56.61
23 52 16 16-0050	EA	Optional Condensate Neutralization Tank For GB312 (Buderus 63035899)	805.87	56.61

23 52 16 19 Copper Water-Tube Condensing Boilers *(23 52 16)*

23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers *(23 52 16 19)*

Note: Rated by gross rated output.

23 52 16 19-0002	EA	1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	45,666.13	1,434.01
23 52 16 19-0003	EA	1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	51,487.84	1,585.06
23 52 16 19-0004	EA	2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	56,338.18	1,660.47
23 52 16 19-0005	EA	2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+)	60,793.78	1,735.99

23 52 16 23 Cast Iron Condensing Boilers *(23 52 16)*

23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers *(23 52 16 23)*

Note: Rated by gross rated output.

23 52 16 23-0002	EA	199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2)	16,086.64	717.06
23 52 16 23-0003	EA	399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4)	23,538.47	905.70
23 52 16 23-0004	EA	600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6)	38,671.64	1,056.64
23 52 16 23-0005	EA	1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10)	50,759.14	1,358.60
23 52 16 23-0006	EA	1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16)	67,651.56	1,585.06
23 52 16 23-0007	EA	1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20)	73,791.17	1,660.47
23 52 16 23-0008	EA	2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26)	93,896.80	1,811.40
23 52 16 23-0009	EA	3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30)	102,624.30	1,849.22

23 52 23 Cast-Iron Boilers *(23 52)*

23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler *(23 52 23)*

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA	209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,209.23	3,712.50
23 52 23 00-0004	EA	297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480) Note: Includes field assembly of individual sections and testing.	19,848.00	3,960.00
23 52 23 00-0005	EA	386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580) Note: Includes field assembly of individual sections and testing.	21,636.51	4,207.50
23 52 23 00-0006	EA	476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680) Note: Includes field assembly of individual sections and testing.	23,303.58	4,455.00
23 52 23 00-0007	EA	565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780) Note: Includes field assembly of individual sections and testing.	24,847.34	4,702.49
23 52 23 00-0008	EA	654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880) Note: Includes field assembly of individual sections and testing.	26,940.35	4,949.99
23 52 23 00-0009	EA	743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980) Note: Includes field assembly of individual sections and testing.	28,570.41	5,197.49
23 52 23 00-0010	EA	833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080) Note: Includes field assembly of individual sections and testing.	29,875.92	5,444.99
23 52 23 00-0011	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180) Note: Includes field assembly of individual sections and testing.	31,176.80	5,692.50
23 52 23 00-0012	EA	1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280) Note: Includes field assembly of individual sections and testing.	32,670.42	5,940.00

23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*

23 52 23 00-0014	EA	209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package unit.	12,184.94	479.80
23 52 23 00-0015	EA	297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package unit.	13,535.55	479.80
23 52 23 00-0016	EA	386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package unit.	15,518.20	599.74
23 52 23 00-0017	EA	476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package unit.	16,895.35	599.74
23 52 23 00-0018	EA	565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package unit.	18,633.57	719.70
23 52 23 00-0019	EA	654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package unit.	20,454.86	719.70
23 52 23 00-0020	EA	743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package unit.	22,276.90	839.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0021	EA	833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package unit.	23,774.89	959.59
23 52 23 00-0022	EA	922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package unit.	24,790.29	959.59
23 52 23 00-0023	EA	1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package unit.	26,474.05	1,079.55
23 52 23 00-0024		Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0025	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) Note: Includes field assembly of individual sections and testing.	18,998.36	3,712.50
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	20,778.21	3,960.00
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,481.51	4,207.50
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,377.64	4,455.00
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	25,950.73	4,702.49
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,222.52	4,949.99
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	29,671.01	5,197.49
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	31,081.27	5,444.99
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,383.55	5,692.50
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,914.87	5,940.00
23 52 23 00-0035		Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler *(23 52 23 00-0001)*		
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380) Note: Fire tested factory assembled package cast iron unit.	12,974.08	479.80
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480) Note: Fire tested factory assembled package cast iron unit.	14,465.76	479.80
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580) Note: Fire tested factory assembled package cast iron unit.	16,363.21	599.74
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680) Note: Fire tested factory assembled package cast iron unit.	17,969.41	599.74
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780) Note: Fire tested factory assembled package cast iron unit.	19,736.96	719.70
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880) Note: Fire tested factory assembled package cast iron unit.	21,737.03	719.70
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980) Note: Fire tested factory assembled package cast iron unit.	23,377.50	839.65
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080) Note: Fire tested factory assembled package cast iron unit.	24,980.24	959.59
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180) Note: Fire tested factory assembled package cast iron unit.	25,997.04	959.59
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280) Note: Fire tested factory assembled package cast iron unit.	27,718.51	1,079.55
23 52 23 00-0046		Weil-McLain Model 88 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0047		Gas Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	29,248.70	5,568.74
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	32,204.58	5,909.06
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	35,844.93	6,249.37
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	39,061.53	6,589.68
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	41,868.48	6,929.99
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	45,901.51	7,270.30
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	48,734.05	7,610.62
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	51,248.90	7,950.93
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	54,580.38	8,291.24
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	57,275.11	8,631.55
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	61,864.87	8,971.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	64,432.65	9,312.18
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	67,151.36	9,652.49
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	70,172.04	9,992.80
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	72,644.04	10,333.11
23 52 23 00-0063		Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package unit.	22,296.46	839.65
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package unit.	25,290.31	959.59
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package unit.	28,985.32	1,079.55
23 52 23 00-0067	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package unit.	32,226.38	1,199.50
23 52 23 00-0068	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package unit.	34,589.60	1,199.50
23 52 23 00-0069	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Fire tested factory assembled package unit.	38,664.50	1,319.45
23 52 23 00-0070	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package unit.	41,057.04	1,319.45
23 52 23 00-0071	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package unit.	43,609.56	1,439.40
23 52 23 00-0072	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package unit.	46,502.12	1,439.40
23 52 23 00-0073	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package unit.	49,234.83	1,559.35
23 52 23 00-0074	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package unit.	51,882.29	1,679.30
23 52 23 00-0075	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package unit.	54,010.86	1,679.30
23 52 23 00-0076	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package unit.	56,768.67	1,799.24
23 52 23 00-0077	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package unit.	59,348.37	1,799.24
23 52 23 00-0078	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package unit.	61,888.24	1,919.20
23 52 23 00-0079		Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) Note: Includes field assembly of individual sections and testing.	30,220.81	5,568.74
23 52 23 00-0081	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) Note: Includes field assembly of individual sections and testing.	33,171.10	5,909.06
23 52 23 00-0082	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) Note: Includes field assembly of individual sections and testing.	37,062.85	6,249.37
23 52 23 00-0083	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) Note: Includes field assembly of individual sections and testing.	40,402.37	6,589.68
23 52 23 00-0084	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) Note: Includes field assembly of individual sections and testing.	43,072.44	6,929.99
23 52 23 00-0085	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) Note: Includes field assembly of individual sections and testing.	47,030.04	7,270.30
23 52 23 00-0086	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) Note: Includes field assembly of individual sections and testing.	50,428.24	7,610.62
23 52 23 00-0087	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) Note: Includes field assembly of individual sections and testing.	52,943.10	7,950.93
23 52 23 00-0088	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) Note: Includes field assembly of individual sections and testing.	56,241.06	8,291.24
23 52 23 00-0089	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) Note: Includes field assembly of individual sections and testing.	59,649.50	8,631.55
23 52 23 00-0090	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) Note: Includes field assembly of individual sections and testing.	64,359.38	8,971.86
23 52 23 00-0091	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) Note: Includes field assembly of individual sections and testing.	67,766.58	9,312.18
23 52 23 00-0092	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) Note: Includes field assembly of individual sections and testing.	69,644.47	9,652.49
23 52 23 00-0093	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) Note: Includes field assembly of individual sections and testing.	72,589.73	9,992.80
23 52 23 00-0094	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) Note: Includes field assembly of individual sections and testing.	75,088.26	10,333.11
23 52 23 00-0095		Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler *(23 52 23 00-0046)*		
23 52 23 00-0096	EA	629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) Note: Fire tested factory assembled package cast iron unit.	23,268.56	839.65
23 52 23 00-0097	EA	845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) Note: Fire tested factory assembled package cast iron unit.	26,256.82	959.59
23 52 23 00-0098	EA	1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) Note: Fire tested factory assembled package cast iron unit.	30,189.27	1,079.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0099	EA	1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) Note: Fire tested factory assembled package cast iron unit.	33,567.22	1,199.50
23 52 23 00-0100	EA	1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) Note: Fire tested factory assembled package cast iron unit.	35,796.35	1,199.50
23 52 23 00-0101	EA	1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	39,793.03	1,319.45
23 52 23 00-0102	EA	1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) Note: Fire tested factory assembled package cast iron unit.	42,751.24	1,319.45
23 52 23 00-0103	EA	2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) Note: Fire tested factory assembled package cast iron unit.	45,303.75	1,439.40
23 52 23 00-0104	EA	2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) Note: Fire tested factory assembled package cast iron unit.	48,162.80	1,439.40
23 52 23 00-0105	EA	2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) Note: Fire tested factory assembled package cast iron unit.	51,616.20	1,559.35
23 52 23 00-0106	EA	2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) Note: Fire tested factory assembled package cast iron unit.	54,376.79	1,679.30
23 52 23 00-0107	EA	3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) Note: Fire tested factory assembled package cast iron unit.	55,948.08	1,679.30
23 52 23 00-0108	EA	3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) Note: Fire tested factory assembled package cast iron unit.	59,261.78	1,799.24
23 52 23 00-0109	EA	3,548 MBh Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) Note: Fire tested factory assembled package cast iron unit.	61,766.06	1,799.24
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888) Note: Fire tested factory assembled package cast iron unit.	64,304.53	1,919.20
23 52 23 00-0111		Weil-McLain Model 94 Cast Iron Boiler *(23 52 23)* Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.		
23 52 23 00-0112		Gas Fired Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	78,191.43	10,828.12
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	84,682.08	11,446.86
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	90,620.64	12,065.61
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	96,437.44	12,684.36
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	102,307.70	13,303.11
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	109,971.89	13,921.87
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	115,509.94	14,540.61
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	120,872.60	15,159.36
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	129,523.98	15,778.11
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	134,883.61	16,396.86
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	139,498.34	17,015.60
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,852.44	17,634.36
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,255.43	18,253.11
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	161,799.38	18,871.86
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,480.58	19,490.61
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,685.85	20,109.35
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,032.61	20,728.10
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,529.49	21,346.86
23 52 23 00-0131		Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler *(23 52 23 00-0111)*		
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	68,132.18	1,559.35
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	74,306.31	1,679.30
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	79,924.56	1,799.24
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	85,425.43	1,919.20
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	90,495.45	1,919.20
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	95,865.21	2,039.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	100,604.21	2,039.15
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	105,648.37	2,159.09
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	113,502.01	2,159.09
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	118,544.76	2,279.05
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	122,360.55	2,279.05
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	130,399.37	2,399.00
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	135,002.89	2,399.00
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	143,254.00	2,518.94
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	148,110.32	2,518.94
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	153,995.35	2,638.89
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	158,544.41	2,638.89
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	163,722.63	2,758.85
23 52 23 00-0150		**Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0151	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	74,023.68	10,828.12
23 52 23 00-0152	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	80,514.32	11,446.86
23 52 23 00-0153	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	88,383.13	12,065.61
23 52 23 00-0154	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	93,695.72	12,684.36
23 52 23 00-0155	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	99,222.39	13,303.11
23 52 23 00-0156	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	106,502.49	13,921.87
23 52 23 00-0157	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	112,300.32	14,540.61
23 52 23 00-0158	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	117,665.77	15,159.36
23 52 23 00-0159	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	127,314.40	15,778.11
23 52 23 00-0160	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	132,675.43	16,396.86
23 52 23 00-0161	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	138,034.59	17,015.60
23 52 23 00-0162	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	147,862.21	17,634.36
23 52 23 00-0163	EA	4,285 MBH Steam, 4970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	153,265.21	18,253.11
23 52 23 00-0164	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	162,034.02	18,871.86
23 52 23 00-0165	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	167,713.83	19,490.61
23 52 23 00-0166	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	173,798.98	20,109.35
23 52 23 00-0167	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	179,145.74	20,728.10
23 52 23 00-0168	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	184,651.01	21,346.86
23 52 23 00-0169		**Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0170	EA	1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	63,738.16	1,559.35
23 52 23 00-0171	EA	1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	69,912.29	1,679.30
23 52 23 00-0172	EA	2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	77,460.78	1,799.24
23 52 23 00-0173	EA	2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	82,457.44	1,919.20
23 52 23 00-0174	EA	2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	87,183.88	1,919.20
23 52 23 00-0175	EA	2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	92,169.54	2,039.15
23 52 23 00-0176	EA	2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	97,168.33	2,039.15
23 52 23 00-0177	EA	3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	102,212.49	2,159.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0178	EA	3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	111,066.17	2,159.09
23 52 23 00-0179	EA	3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	116,107.52	2,279.05
23 52 23 00-0180	EA	3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	120,670.54	2,279.05
23 52 23 00-0181	EA	4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	130,182.88	2,399.00
23 52 23 00-0182	EA	4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	134,786.40	2,399.00
23 52 23 00-0183	EA	4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	143,234.44	2,518.94
23 52 23 00-0184	EA	4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	148,117.31	2,518.94
23 52 23 00-0185	EA	4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	153,882.22	2,638.89
23 52 23 00-0186	EA	5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	158,431.27	2,638.89
23 52 23 00-0187	EA	5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	163,617.88	2,758.85
23 52 23 00-0188		**Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)* Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0189	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) Note: Includes field assembly of individual sections and testing.	79,501.54	10,828.12
23 52 23 00-0190	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) Note: Includes field assembly of individual sections and testing.	85,993.58	11,446.86
23 52 23 00-0191	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) Note: Includes field assembly of individual sections and testing.	92,289.70	12,065.61
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194) Note: Includes field assembly of individual sections and testing.	98,247.56	12,684.36
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294) Note: Includes field assembly of individual sections and testing.	104,085.70	13,303.11
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394) Note: Includes field assembly of individual sections and testing.	110,628.34	13,921.87
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494) Note: Includes field assembly of individual sections and testing.	117,690.19	14,540.61
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594) Note: Includes field assembly of individual sections and testing.	123,396.43	15,159.36
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694) Note: Includes field assembly of individual sections and testing.	132,267.10	15,778.11
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794) Note: Includes field assembly of individual sections and testing.	137,626.73	16,396.86
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894) Note: Includes field assembly of individual sections and testing.	142,339.22	17,015.60
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994) Note: Includes field assembly of individual sections and testing.	150,788.30	17,634.36
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094) Note: Includes field assembly of individual sections and testing.	157,588.00	18,253.11
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194) Note: Includes field assembly of individual sections and testing.	166,880.57	18,871.86
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294) Note: Includes field assembly of individual sections and testing.	172,519.87	19,490.61
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394) Note: Includes field assembly of individual sections and testing.	178,984.93	20,109.35
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494) Note: Includes field assembly of individual sections and testing.	184,333.08	20,728.10
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594) Note: Includes field assembly of individual sections and testing.	189,834.16	21,346.86
23 52 23 00-0207		**Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler** *(23 52 23 00-0111)*		
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) Note: Fire tested factory assembled package cast iron unit.	69,544.24	1,559.35
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) Note: Fire tested factory assembled package cast iron unit.	75,719.77	1,679.30
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) Note: Fire tested factory assembled package cast iron unit.	81,699.76	1,799.24
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) Note: Fire tested factory assembled package cast iron unit.	87,338.91	1,919.20
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) Note: Fire tested factory assembled package cast iron unit.	92,376.81	1,919.20
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) Note: Fire tested factory assembled package cast iron unit.	96,623.62	2,039.15
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) Note: Fire tested factory assembled package cast iron unit.	102,886.42	2,039.15
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) Note: Fire tested factory assembled package cast iron unit.	108,272.77	2,159.09
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) Note: Fire tested factory assembled package cast iron unit.	116,348.49	2,159.09
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) Note: Fire tested factory assembled package cast iron unit.	121,388.44	2,279.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) Note: Fire tested factory assembled package cast iron unit.	125,303.39	2,279.05
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) Note: Fire tested factory assembled package cast iron unit.	133,437.19	2,399.00
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) Note: Fire tested factory assembled package cast iron unit.	139,438.81	2,399.00
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) Note: Fire tested factory assembled package cast iron unit.	148,410.61	2,518.94
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) Note: Fire tested factory assembled package cast iron unit.	153,252.97	2,518.94
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) Note: Fire tested factory assembled package cast iron unit.	159,396.39	2,638.89
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) Note: Fire tested factory assembled package cast iron unit.	163,946.84	2,638.89
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) Note: Fire tested factory assembled package cast iron unit.	169,130.66	2,758.85

23 52 33 Water-Tube Boilers *(23 52)*

23 52 33 13 Finned Water-Tube Boilers *(23 52 33)*

23 52 33 13-0001 Laars Pennant 85% Efficient Water, Gas Fired, Copper Fin Tube LoNox Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0002	EA	200 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,063.84	672.56
23 52 33 13-0003	EA	300 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	9,976.33	747.30
23 52 33 13-0004	EA	400 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	11,470.20	896.75
23 52 33 13-0005	EA	500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	14,598.11	934.12
23 52 33 13-0006	EA	750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	17,155.45	1,120.94
23 52 33 13-0007	EA	1,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	21,072.34	1,345.13
23 52 33 13-0008	EA	1,250 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	23,910.77	1,419.87
23 52 33 13-0009	EA	1,500 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	26,475.65	1,531.96
23 52 33 13-0010	EA	1,750 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	28,854.09	1,606.69
23 52 33 13-0011	EA	2,000 MBH 85% Efficient, Water, Gas Fired, Copper Fin Tube LoNox Boiler (Laars Pennant)	30,942.61	1,644.05

23 52 33 13-0012 Patterson Kelly Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0013	EA	1,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	31,388.15	1,345.13
23 52 33 13-0014	EA	1,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	39,166.27	1,531.96
23 52 33 13-0015	EA	2,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	41,737.52	1,644.05
23 52 33 13-0016	EA	2,500 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	58,941.91	1,868.24
23 52 33 13-0017	EA	3,000 MBH Forced Draft, Water, Gas Fired, Copper Fin Tube Boiler (Patterson Kelly Modufire)	61,856.01	2,092.43

23 52 33 13-0018 Lochinvar Copper-Fin II Finned Tube Boiler *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0019	EA	340 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0402)	14,413.51	603.50
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0020	EA	425 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0502)	17,299.75	754.09
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0021	EA	552.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0652)	18,553.05	905.81
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0022	EA	637.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0752)	19,065.71	905.81
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0023	EA	841.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN0992)	23,649.20	1,132.27
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0024	EA	1,071 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1262)	27,411.66	1,132.27
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0025	EA	1,224 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1442)	29,900.48	1,132.27
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0026	EA	1,530 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN1802)	32,212.78	1,358.73
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	
23 52 33 13-0027	EA	1,759.5 MBH, 85% Efficient, Gas Fired, Copper Finned Tube Boiler (Lochinvar CHN2072)	38,102.03	1,585.17
		For High And Low Gas Pressure Switch With Manual Reset, Add	*537.49*	
		For Low Water Cut-Off, Probe Type, Manual Reset With Test, Add	*476.15*	

23 52 33 13-0028 Raypak Cupro-Nickel Finned-Tube Boiler With Pump *(23 52 33 13)*

Note: Rated by gross rated output.

23 52 33 13-0029	EA	385 MBH Water, Gas Fired, On/Off, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H4-399B)	13,861.38	829.49
23 52 33 13-0030	EA	420 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-499B)	14,922.14	747.30
23 52 33 13-0031	EA	546 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-649B)	16,606.59	896.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 13-0032	EA	630 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-749B)	17,623.10	1,018.02
23 52 33 13-0033	EA	756 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-899B)	19,576.04	1,120.94
23 52 33 13-0034	EA	832 MBH Water, Gas Fired, Two Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H3-989B)	21,057.27	1,206.55
23 52 33 13-0035	EA	1,058 MBH Water, Gas Fired, Three Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H8-1259B)	24,063.99	1,345.13
23 52 33 13-0036	EA	1,285 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1529B)	27,997.21	1,419.87
23 52 33 13-0037	EA	1,512 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1799B)	29,700.10	1,531.96
23 52 33 13-0038	EA	1,679 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-1999B)	35,569.34	1,569.33
23 52 33 13-0039	EA	1,739 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2069B)	35,682.57	1,606.69
23 52 33 13-0040	EA	1,966 MBH Water, Gas Fired, Four Stage, Cupro-Nickel Finned-Tube Boiler With Pump (Raypak H9-2339B)	41,810.73	1,644.05

23 52 33 16 Steel Water-Tube Boilers *(23 52 33)*

23 52 33 16-0001 Unilux 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0002	EA	1,250 MBH Input/1,062 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF100)	90,381.82	1,811.63
23 52 33 16-0003	EA	1,750 MBH Input/1.488 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF150)	97,159.81	2,264.54
23 52 33 16-0004	EA	2,200 MBH Input/1,870 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF200)	98,916.39	2,490.99
23 52 33 16-0005	EA	2,750 MBH Input/2,338 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF250)	106,545.14	2,717.44
23 52 33 16-0006	EA	3,000 MBH Input/2,550 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux ZF300)	110,160.58	3,057.13
23 52 33 16-0007	EA	3,750 MBH Output/3,188 MBH Input, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ350)	121,602.58	3,396.80
23 52 33 16-0008	EA	4,300 MBH Input/3,655 MBH Output, 85% Efficient, Gas Fired, Forced Draft, Hot Water, Steel Flexible Watertube Boiler (Unilux VZ400)	126,721.76	3,510.03

23 52 33 16-0009 Unilux 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0010	EA	1,250 MBH, 31 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100LS)	105,512.91	2,038.08
23 52 33 16-0011	EA	1,750 MBH, 43.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150LS)	110,758.51	2,377.76
23 52 33 16-0012	EA	2,200 MBH, 54.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200LS)	113,821.01	2,604.21
23 52 33 16-0013	EA	2,750 MBH, 68 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250LS)	127,319.67	2,830.67
23 52 33 16-0014	EA	3,000 MBH, 74 HP,83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300LS)	132,012.33	3,057.13
23 52 33 16-0015	EA	3,750 MBH, 93 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350LS)	141,171.20	3,396.80
23 52 33 16-0016	EA	4,300 MBH, 106.5 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400LS)	149,459.77	3,623.26
23 52 33 16-0017	EA	5,400 MBH, 134 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500LS)	250,036.64	3,849.71
23 52 33 16-0018	EA	6,250 MBH, 155 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600LS)	270,711.13	4,076.17
23 52 33 16-0019	EA	7,235 MBH, 179 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700LS)	284,862.76	4,302.62
23 52 33 16-0020	EA	8,270 MBH, 205 HP, 83% Efficient, Gas Fired, Forced Draft, Low Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800LS)	292,165.02	4,529.07

23 52 33 16-0021 Unilux 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler *(23 52 33 16)*

Note: Compliant with BAAQMD.

23 52 33 16-0022	EA	1,250 MBH, 31 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 100HS)	113,665.93	2,038.08
23 52 33 16-0023	EA	1,750 MBH, 43.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 150HS)	120,543.96	2,377.76
23 52 33 16-0024	EA	2,200 MBH, 54.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 200HS)	124,910.13	2,604.21
23 52 33 16-0025	EA	2,750 MBH, 68 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 250HS)	138,735.27	2,830.67
23 52 33 16-0026	EA	3,000 MBH, 74 HP,81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 300HS)	143,427.93	3,057.13
23 52 33 16-0027	EA	3,750 MBH, 93 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 350HS)	150,956.66	3,396.80
23 52 33 16-0028	EA	4,300 MBH, 106.5 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 400HS)	159,564.86	3,623.26
23 52 33 16-0029	EA	5,400 MBH, 134 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 500HS)	259,495.60	3,849.71
23 52 33 16-0030	EA	6,250 MBH, 155 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 600HS)	281,802.53	4,076.17
23 52 33 16-0031	EA	7,235 MBH, 179 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 700HS)	290,734.94	4,302.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0032	EA	8,270 MBH, 205 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 800HS)	303,256.42	4,529.07
23 52 33 16-0033	EA	9,300 MBH, 230 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 900HS)	337,303.16	4,755.53
23 52 33 16-0034	EA	10,330 MBH, 256 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1000HS)	488,277.60	4,981.98
23 52 33 16-0035	EA	12,400 MBH, 307 HP, 81% Efficient, Gas Fired, Forced Draft, High Pressure Steam, Steel Flexible Watertube Boiler (Unilux 1200HS)	513,029.76	5,208.43

23 52 36 Fire-Box Boiler *(23 52)*

23 52 36 00-0001 Package Oil Fired Firebox Boilers *(23 52 36)*

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP) boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA	40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	91,551.90	2,878.79
23 52 36 00-0003	EA	46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	95,703.86	3,118.70
23 52 36 00-0004	EA	53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	100,189.60	3,358.59
23 52 36 00-0005	EA	61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	108,347.48	3,598.49
23 52 36 00-0006	EA	69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	113,167.01	3,838.39
23 52 36 00-0007	EA	80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	117,903.25	4,078.29
23 52 36 00-0008	EA	100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	131,168.68	4,318.20
23 52 36 00-0009	EA	127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	151,807.57	4,797.99
23 52 36 00-0010	EA	151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	172,797.04	5,277.79
23 52 36 00-0011	EA	183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	189,566.46	5,817.56
23 52 36 00-0012	EA	220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	206,336.03	6,357.34
23 52 36 00-0013	EA	257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	216,841.06	7,436.88
23 52 36 00-0014	EA	294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	264,317.51	8,516.43
23 52 36 00-0015	EA	368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	312,962.36	9,595.99
23 52 36 00-0016	EA	441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	362,097.56	10,795.48
23 52 36 00-0017	EA	514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water	410,132.18	11,695.11

23 52 39 Fire-Tube Boilers *(23 52)*

23 52 39 13 Scotch Marine Boilers *(23 52 39)*

23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers *(23 52 39 13)*

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0001)*

23 52 39 13-0003	EA	30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,930.54	1,319.45
23 52 39 13-0004	EA	40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	78,499.42	1,439.40
23 52 39 13-0005	EA	50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	85,261.06	1,559.35
23 52 39 13-0006	EA	60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,052.11	1,799.24
23 52 39 13-0007	EA	70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,305.55	1,919.20
23 52 39 13-0008	EA	80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	97,666.87	2,039.15
23 52 39 13-0009	EA	90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,681.92	2,099.12
23 52 39 13-0010	EA	100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	106,295.01	2,159.09
23 52 39 13-0011	EA	125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,192.02	2,399.00
23 52 39 13-0012	EA	150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,593.94	2,638.89
23 52 39 13-0013	EA	175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,821.99	2,908.79
23 52 39 13-0014	EA	200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,047.59	3,178.67
23 52 39 13-0015	EA	250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	171,906.78	3,718.44
23 52 39 13-0016	EA	300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,120.03	4,258.21
23 52 39 13-0017	EA	350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	226,350.56	4,797.99
23 52 39 13-0018	EA	400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	266,573.13	5,337.76
23 52 39 13-0019	EA	500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	323,888.73	5,877.53
23 52 39 13-0020	EA	600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	378,995.81	6,417.31
23 52 39 13-0021	EA	700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	431,754.37	6,957.09
23 52 39 13-0022	EA	800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	482,390.53	7,496.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0023	EA	900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	751,792.56	8,036.64
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	818,009.43	8,576.41
23 52 39 13-0025		**15 PSI Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	67,575.07	1,319.45
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	72,740.85	1,439.40
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	79,001.75	1,559.35
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	86,057.65	1,799.24
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	89,773.62	1,919.20
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	93,483.98	2,039.15
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,963.06	2,099.12
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,914.80	2,159.09
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	120,305.52	2,399.00
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	136,717.46	2,638.89
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	149,958.86	2,908.79
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	163,197.81	3,178.67
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	172,063.68	3,718.44
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	209,313.65	4,258.21
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	226,557.53	4,797.99
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	266,820.17	5,337.76
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	324,189.18	5,877.53
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	379,349.67	6,417.31
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	432,158.31	6,957.09
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	482,844.54	7,496.86
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	752,510.25	8,036.64
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	818,794.56	8,576.41
23 52 39 13-0048		**15 PSI Gas/Oil Fired Steam Scotch Marine Boilers** *(23 52 39 13-0001)*		
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	75,274.53	1,319.45
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	81,019.83	1,439.40
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	87,995.13	1,559.35
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,450.50	1,799.24
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	96,430.19	1,919.20
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,404.27	2,039.15
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	104,143.74	2,099.12
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	107,884.04	2,159.09
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,919.05	2,399.00
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	141,975.28	2,638.89
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	155,724.10	2,908.79
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	169,467.14	3,178.67
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	178,613.43	3,718.44
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	217,325.57	4,258.21
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	235,197.05	4,797.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	277,048.72	5,337.76
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	336,717.82	5,877.53
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	394,084.92	6,417.31
23 52 39 13-0067	EA	700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	449,006.71	6,957.09
23 52 39 13-0068	EA	800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	501,712.61	7,496.86
23 52 39 13-0069	EA	900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	782,527.92	8,036.64
23 52 39 13-0070	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	851,480.68	8,576.41
23 52 39 13-0071		125 PSI Water Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0072		125 PSI Gas Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0073	EA	40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	86,361.11	1,439.40
23 52 39 13-0074	EA	50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	96,925.08	1,559.35
23 52 39 13-0075	EA	60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,104.50	1,799.24
23 52 39 13-0076	EA	70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,909.89	1,919.20
23 52 39 13-0077	EA	80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	119,879.91	2,039.15
23 52 39 13-0078	EA	90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,226.60	2,099.12
23 52 39 13-0079	EA	100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	135,925.76	2,159.09
23 52 39 13-0080	EA	125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,813.47	2,399.00
23 52 39 13-0081	EA	150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	158,957.21	2,638.89
23 52 39 13-0082	EA	175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,070.63	2,908.79
23 52 39 13-0083	EA	200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,018.73	3,178.67
23 52 39 13-0084	EA	250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	211,892.94	3,718.44
23 52 39 13-0085	EA	300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	246,722.64	4,258.21
23 52 39 13-0086	EA	350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	265,889.38	4,797.99
23 52 39 13-0087	EA	400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	296,667.91	5,337.76
23 52 39 13-0088	EA	500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	359,595.19	5,877.53
23 52 39 13-0089	EA	600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	420,988.28	6,417.31
23 52 39 13-0090	EA	700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	479,765.80	6,957.09
23 52 39 13-0091	EA	800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	536,163.86	7,496.86
23 52 39 13-0092	EA	900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	837,332.33	8,036.64
23 52 39 13-0093	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	911,159.59	8,576.41
23 52 39 13-0094		125 PSI Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0095	EA	40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	79,978.28	1,439.40
23 52 39 13-0096	EA	50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,741.06	1,559.35
23 52 39 13-0097	EA	60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,555.89	1,799.24
23 52 39 13-0098	EA	70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,613.50	1,919.20
23 52 39 13-0099	EA	80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	114,662.15	2,039.15
23 52 39 13-0100	EA	90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,476.19	2,099.12
23 52 39 13-0101	EA	100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	132,821.14	2,159.09
23 52 39 13-0102	EA	125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	145,950.34	2,399.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0103	EA	150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	159,104.10	2,638.89
23 52 39 13-0104	EA	175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,227.53	2,908.79
23 52 39 13-0105	EA	200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,182.31	3,178.67
23 52 39 13-0106	EA	250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	212,089.90	3,718.44
23 52 39 13-0107	EA	300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	246,952.98	4,258.21
23 52 39 13-0108	EA	350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	266,136.41	4,797.99
23 52 39 13-0109	EA	400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	296,944.99	5,337.76
23 52 39 13-0110	EA	500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	359,932.36	5,877.53
23 52 39 13-0111	EA	600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	421,385.54	6,417.31
23 52 39 13-0112	EA	700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	480,219.81	6,957.09
23 52 39 13-0113	EA	800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	536,671.29	7,496.86
23 52 39 13-0114	EA	900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	838,136.72	8,036.64
23 52 39 13-0115	EA	1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	912,036.23	8,576.41
23 52 39 13-0116		125 PSI Gas/Oil Fired Water Scotch Marine Boilers *(23 52 39 13-0071)*		
23 52 39 13-0117	EA	40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	89,151.93	1,439.40
23 52 39 13-0118	EA	50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,063.08	1,559.35
23 52 39 13-0119	EA	60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	108,127.15	1,799.24
23 52 39 13-0120	EA	70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,715.55	1,919.20
23 52 39 13-0121	EA	80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,298.33	2,039.15
23 52 39 13-0122	EA	90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	130,646.50	2,099.12
23 52 39 13-0123	EA	100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	137,995.50	2,159.09
23 52 39 13-0124	EA	125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	151,632.12	2,399.00
23 52 39 13-0125	EA	150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	165,293.30	2,638.89
23 52 39 13-0126	EA	175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	175,793.96	2,908.79
23 52 39 13-0127	EA	200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	181,952.38	3,178.67
23 52 39 13-0128	EA	250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	220,308.79	3,718.44
23 52 39 13-0129	EA	300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	256,533.90	4,258.21
23 52 39 13-0130	EA	350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	276,425.06	4,797.99
23 52 39 13-0131	EA	400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	308,428.74	5,337.76
23 52 39 13-0132	EA	500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	373,953.22	5,877.53
23 52 39 13-0133	EA	600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	437,873.41	6,417.31
23 52 39 13-0134	EA	700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	499,071.19	6,957.09
23 52 39 13-0135	EA	800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	557,782.69	7,496.86
23 52 39 13-0136	EA	900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	871,723.57	8,036.64
23 52 39 13-0137	EA	1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	948,604.62	8,576.41
23 52 39 13-0138		150 PSI Steam Scotch Marine Boilers *(23 52 39 13)* Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
23 52 39 13-0139		150 PSI Gas Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0140	EA	40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,321.88	1,439.40
23 52 39 13-0141	EA	50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	108,966.33	1,559.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0142	EA	60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	113,608.64	1,799.24
23 52 39 13-0143	EA	70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,993.76	1,919.20
23 52 39 13-0144	EA	80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	124,520.15	2,039.15
23 52 39 13-0145	EA	90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,369.78	2,099.12
23 52 39 13-0146	EA	100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	135,595.27	2,159.09
23 52 39 13-0147	EA	125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,374.72	2,399.00
23 52 39 13-0148	EA	150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,403.53	2,638.89
23 52 39 13-0149	EA	175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,277.00	2,908.79
23 52 39 13-0150	EA	200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,148.02	3,178.67
23 52 39 13-0151	EA	250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,016.87	3,718.44
23 52 39 13-0152	EA	300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	266,749.10	4,258.21
23 52 39 13-0153	EA	350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	288,475.93	4,797.99
23 52 39 13-0154	EA	400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	340,145.93	5,337.76
23 52 39 13-0155	EA	500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	414,012.82	5,877.53
23 52 39 13-0156	EA	600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	484,983.50	6,417.31
23 52 39 13-0157	EA	700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	552,934.66	6,957.09
23 52 39 13-0158	EA	800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	618,112.45	7,496.86
23 52 39 13-0159	EA	900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	967,691.50	8,036.64
23 52 39 13-0160	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,053,098.11	8,576.41
23 52 39 13-0161		150 PSI Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0162	EA	40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	92,834.08	1,439.40
23 52 39 13-0163	EA	50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	100,830.89	1,559.35
23 52 39 13-0164	EA	60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	109,712.84	1,799.24
23 52 39 13-0165	EA	70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	114,403.60	1,919.20
23 52 39 13-0166	EA	80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	119,085.40	2,039.15
23 52 39 13-0167	EA	90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,532.59	2,099.12
23 52 39 13-0168	EA	100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,497.32	2,159.09
23 52 39 13-0169	EA	125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	153,518.26	2,399.00
23 52 39 13-0170	EA	150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	174,567.10	2,638.89
23 52 39 13-0171	EA	175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	191,457.27	2,908.79
23 52 39 13-0172	EA	200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	208,344.98	3,178.67
23 52 39 13-0173	EA	250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	219,220.51	3,718.44
23 52 39 13-0174	EA	300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	266,999.47	4,258.21
23 52 39 13-0175	EA	350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	288,746.33	4,797.99
23 52 39 13-0176	EA	400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	340,466.41	5,337.76
23 52 39 13-0177	EA	500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	414,403.40	5,877.53
23 52 39 13-0178	EA	600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	485,444.18	6,417.31
23 52 39 13-0179	EA	700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	553,458.77	6,957.09
23 52 39 13-0180	EA	800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	618,699.99	7,496.86
23 52 39 13-0181	EA	900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	968,625.94	8,036.64
23 52 39 13-0182	EA	1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,054,119.25	8,576.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0183		150 PSI Gas/Oil Fired Steam Scotch Marine Boilers *(23 52 39 13-0138)*		
23 52 39 13-0184	EA	40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	103,596.75	1,439.40
23 52 39 13-0185	EA	50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	112,521.62	1,559.35
23 52 39 13-0186	EA	60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	118,025.21	1,799.24
23 52 39 13-0187	EA	70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	123,056.47	1,919.20
23 52 39 13-0188	EA	80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	128,078.78	2,039.15
23 52 39 13-0189	EA	90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	132,869.81	2,099.12
23 52 39 13-0190	EA	100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	137,658.34	2,159.09
23 52 39 13-0191	EA	125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	159,517.19	2,399.00
23 52 39 13-0192	EA	150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	181,400.60	2,638.89
23 52 39 13-0193	EA	175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	198,948.41	2,908.79
23 52 39 13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	216,497.11	3,178.67
23 52 39 13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	227,736.51	3,718.44
23 52 39 13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	277,414.97	4,258.21
23 52 39 13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	299,976.37	4,797.99
23 52 39 13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	353,762.85	5,337.76
23 52 39 13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	430,694.30	5,877.53
23 52 39 13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	504,599.35	6,417.31
23 52 39 13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	575,361.36	6,957.09
23 52 39 13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	643,229.82	7,496.86
23 52 39 13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,007,646.03	8,036.64
23 52 39 13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler Note: Burnham Series 3. Fire tested factory assembled unit.	1,096,607.36	8,576.41

23 53 Heating Boiler Feedwater Equipment *(23 50)*

23 53 13 Boiler Feedwater Pumps *(23 53)*

See CSI section 23 53 16 00-0001 for boiler feedwater units.

23 53 16 Deaerators *(23 53)*

23 53 16 00-0001		Boiler Feed System *(23 53 16)*		
23 53 16 00-0002		Low Pressure Boiler Feed System *(23 53 16 00-0001)* Note: With deaerator includes pumps and accessories.		
23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,160.42	1,415.12
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	7,742.58	1,667.16
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,311.27	1,725.57
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	8,577.55	1,788.88
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	9,078.21	1,911.83
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	14,436.37	2,071.66
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	16,277.78	2,213.06
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	18,659.10	2,520.42
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	20,527.55	2,704.84
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System	22,114.05	2,889.26
23 53 16 00-0013		High Pressure Boiler Feed System *(23 53 16 00-0001)* Note: With deaerator includes pumps and accessories.		
23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	9,872.28	1,206.48
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	10,299.23	1,415.12
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	11,469.82	1,667.16
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,389.42	1,725.57
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	12,608.30	1,788.88
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	15,198.89	1,911.83
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	19,742.14	2,071.66
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	20,259.64	2,213.06
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	22,280.41	2,369.94
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	23,973.37	2,520.42
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	25,645.69	2,704.84
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System	27,666.62	2,889.26

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0026		**Boiler Feedwater System** *(23 53 16)* Note: With deaerator includes pumps and accessories.		
23 53 16 00-0027	EA	1,380 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	12,348.28	1,667.16
23 53 16 00-0028	EA	2,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	16,080.42	1,909.99
23 53 16 00-0029	EA	4,300 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	21,200.75	2,186.00
23 53 16 00-0030	EA	6,900 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	25,497.18	2,521.65
23 53 16 00-0031	EA	8,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	27,062.13	2,704.84
23 53 16 00-0032	EA	11,000 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	28,552.33	2,889.26
23 53 16 00-0033	EA	13,800 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	31,792.81	3,319.71
23 53 16 00-0034	EA	17,250 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	41,087.19	3,811.61
23 53 16 00-0035	EA	20,700 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	53,309.16	4,404.23
23 53 16 00-0036	EA	27,600 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	67,462.54	5,055.60
23 53 16 00-0037	EA	34,500 Lb./Hour Feedwater System With Deaerator, Pumps, And Accessories	86,416.43	5,816.64
23 53 16 00-0038		**Duplex Vacuum Condensate Pumps** *(23 53 16)*		
23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,130.65	983.58
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	34,899.22	1,045.05
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,785.17	1,106.53
23 53 16 00-0042	EA	18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,552.11	1,168.00
23 53 16 00-0043	EA	28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	46,947.87	1,229.48
23 53 16 00-0044	EA	42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,418.51	1,290.95

23 54 Furnaces *(23 50)*

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

23 54 13 Electric-Resistance Furnaces *(23 54)*

23 54 13 00-0001		**Down Flow Multi-Speed Air Handler/Electric Furnace** *(23 54 13)*		
23 54 13 00-0002	EA	Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,251.28	115.54
23 54 13 00-0003	EA	>2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,653.93	144.43
23 54 13 00-0004	EA	>3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	2,141.12	173.32
23 54 13 00-0005		**Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace** *(23 54 13)*		
23 54 13 00-0006	EA	Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace Note: Excludes cooling equipment.	1,251.28	115.54
23 54 13 00-0007	EA	>2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,497.52	129.98
23 54 13 00-0008	EA	>2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,636.31	144.43
23 54 13 00-0009	EA	>3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	1,711.70	158.88
23 54 13 00-0010	EA	>3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace Note: Excludes cooling equipment.	2,141.12	173.32
23 54 13 00-0011		**Heating Coil For Air Handler/Electric Furnace** *(23 54 13)*		
23 54 13 00-0012	EA	5 KW Heating Coil For Air Handler/Electric Furnace	199.11	25.56
23 54 13 00-0013	EA	7 KW Heating Coil For Air Handler/Electric Furnace	228.70	28.12
23 54 13 00-0014	EA	10 KW Heating Coil For Air Handler/Electric Furnace	247.73	30.67
23 54 13 00-0015	EA	15 KW Heating Coil For Air Handler/Electric Furnace	346.03	33.23
23 54 13 00-0016	EA	20 KW Heating Coil For Air Handler/Electric Furnace	373.87	35.78

23 54 16 Fuel-Fired Furnaces *(23 54)*

23 54 16 13 Gas-Fired Furnaces *(23 54 16)*

23 54 16 13-0001		**Natural Gas Fired Forced Air Furnaces** *(23 54 16 13)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 13-0002		**Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace** *(23 54 16 13-0001)*		
23 54 16 13-0003	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,975.58	101.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0004	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,103.80	115.54
23 54 16 13-0005	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,427.54	129.98
23 54 16 13-0006	EA	100 MBH. 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,837.23	158.88
23 54 16 13-0007	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,027.11	173.32
23 54 16 13-0008		Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0009	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,201.02	101.10
23 54 16 13-0010	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,410.28	115.54
23 54 16 13-0011	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,555.71	129.98
23 54 16 13-0012	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3.5 tons.	3,151.75	144.43
23 54 16 13-0013	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,015.13	158.88
23 54 16 13-0014	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,178.59	173.32
23 54 16 13-0015		Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0016	EA	45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,936.74	101.10
23 54 16 13-0017	EA	70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,223.50	115.54
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,409.50	144.43
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,572.95	158.88
23 54 16 13-0020		Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,546.25	101.10
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,681.54	115.54
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,985.90	129.98
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	3,259.97	158.88
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	3,493.88	173.32
23 54 16 13-0026		Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,760.67	101.10
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,855.44	115.54
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	2,069.97	129.98
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	2,087.59	129.98
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,277.46	144.43
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,400.41	158.88
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	2,544.48	173.32
23 54 16 13-0034		Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,219.92	101.10
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,334.07	115.54
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,525.70	129.98
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,527.46	129.98
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,676.83	144.43
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,720.50	158.88
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,912.14	173.32

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0042		Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace *(23 54 16 13-0001)*		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,237.53	101.10
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 3 tons.	1,339.35	115.54
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 4 tons.	1,604.96	129.98
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace Note: Blower cooling capacity up to 5 tons.	1,766.66	144.43
23 54 16 13-0047		75% AFUE Gas Wall/Recessed Furnace *(23 54 16 13-0001)*		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,109.71	86.66
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace	2,434.15	108.38
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace	1,907.15	86.66
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace	2,038.19	93.94
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace	2,019.53	101.10
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace	2,080.20	108.38
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace	2,154.31	108.38
23 54 16 13-0055		Gas Fired Indoor Duct Furnace *(23 54 16 13-0001)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0056		Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)*		
23 54 16 13-0057	EA	100 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	2,789.94	225.32
23 54 16 13-0058	EA	150 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,101.09	277.31
23 54 16 13-0059	EA	200 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,498.79	398.63
23 54 16 13-0060	EA	250 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,945.97	450.62
23 54 16 13-0061	EA	300 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,600.58	519.96
23 54 16 13-0062	EA	350 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,042.38	623.95
23 54 16 13-0063	EA	400 MBH, Aluminized Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,721.93	831.93
23 54 16 13-0064		Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace *(23 54 16 13-0055)* Note: Includes burner, controls and electronic ignition.		
23 54 16 13-0065	EA	100 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,131.71	225.32
23 54 16 13-0066	EA	150 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,437.75	277.31
23 54 16 13-0067	EA	200 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	3,961.28	398.63
23 54 16 13-0068	EA	250 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	4,491.77	450.62
23 54 16 13-0069	EA	300 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	5,542.56	519.96
23 54 16 13-0070	EA	350 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,064.28	623.95
23 54 16 13-0071	EA	400 MBH, Stainless Steel Heat Exchanger Gas Fired Indoor Duct Furnace	6,687.71	831.93
23 54 16 16		**Oil-Fired Furnaces** *(23 54 16)*		
23 54 16 16-0001		Oil Fired Forced Air Furnaces *(23 54 16 16)* Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
23 54 16 16-0002		Up Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,407.23	115.54
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,619.29	158.88
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,176.95	187.77
23 54 16 16-0006		Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0007	EA	95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,946.91	158.88
23 54 16 16-0008	EA	126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,977.91	187.77
23 54 16 16-0009		Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace *(23 54 16 16-0001)*		
23 54 16 16-0010	EA	95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,411.45	158.88
23 54 16 16-0011	EA	127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	4,050.12	187.77
23 54 19		**Furnace Accessories** *(23 54)*		
23 54 19 00-0001	EA	LP Gas Furnace Conversion Kit	208.56	28.89
23 54 19 00-0002	EA	1" Furnace External Filter Rack	64.02	
23 54 19 00-0003	EA	Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	534.93	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 55 Fuel-Fired Heaters *(23 50)*

23 55 23 Gas-Fired Radiant Heaters *(23 55)*

23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters *(23 55 23)*

23 55 23 13-0001 Infrared Heaters-Radiant Energy *(23 55 23 13)*
Note: For spot localized or total heating, ceiling hung units, no fan required.

23 55 23 13-0002 Gas Fired Electric Ignition Infrared Gas Heater *(23 55 23 13-0001)*
Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.

23 55 23 13-0003	EA	15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,012.71	122.95
23 55 23 13-0004	EA	37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,120.47	135.24
23 55 23 13-0005	EA	50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,197.38	135.24
23 55 23 13-0006	EA	75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,500.93	162.29
23 55 23 13-0007	EA	100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,513.89	162.29

23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater *(23 55 23 13-0001)*
Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.

23 55 23 13-0009	EA	1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,119.06	127.10
		For Stainless Steel Housing, Add	*183.48*	
23 55 23 13-0010	EA	3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,198.10	127.10
		For Stainless Steel Housing, Add	*203.24*	
23 55 23 13-0011	EA	5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,288.43	127.10
		For Stainless Steel Housing, Add	*225.82*	
23 55 23 13-0012	EA	7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,397.02	127.10
		For Stainless Steel Housing, Add	*252.97*	
23 55 23 13-0013	EA	10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,526.16	138.65
		For Stainless Steel Housing, Add	*281.88*	
23 55 23 13-0014	EA	13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	1,630.61	150.20
		For Stainless Steel Housing, Add	*303.56*	
23 55 23 13-0015	EA	24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required	2,630.93	161.77
		For Stainless Steel Housing, Add	*542.08*	

23 55 23 13-0016 Gas Fired Tubular Infrared Heater *(23 55 23 13-0001)*
Note: Per Tube Length. Includes controls and supports.

23 55 23 13-0017 "U" Package *(23 55 23 13-0016)*

23 55 23 13-0018	LF	Up To 75 MBH Input Radiant Heater	97.45	6.15
23 55 23 13-0019	LF	76 To 105 MBH Input Radiant Heater	112.42	7.38
23 55 23 13-0020	LF	106 To 130 MBH Input Radiant Heater	137.45	8.61

23 55 23 13-0021 "S" Straight Package *(23 55 23 13-0016)*

23 55 23 13-0022	LF	Up To 75 MBH Input Radiant Heater	79.18	4.91
23 55 23 13-0023	LF	76 To 105 MBH Input Radiant Heater	100.84	6.15
23 55 23 13-0024	LF	106 To 130 MBH Input Radiant Heater	122.47	7.38

23 55 33 Fuel-Fired Unit Heaters *(23 55)*

23 55 33 13 Oil-Fired Unit Heaters *(23 55 33)*

23 55 33 13-0001 Oil Fired Unit Heater *(23 55 33 13)*

23 55 33 13-0002 Horizontal Fan Propelled Oil Fired Unit Heater, 115 Voltl, 1 phase *(23 55 33 13-0001)*

23 55 33 13-0003	EA	97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,341.01	566.13
		For 3 Phase, 460 Volt, Add	*671.93*	
23 55 33 13-0004	EA	142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	6,811.29	622.74
		For 3 Phase, 460 Volt, Add	*718.01*	
23 55 33 13-0005	EA	188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,322.45	679.36
		For 3 Phase, 460 Volt, Add	*769.29*	

23 55 33 16 Gas-Fired Unit Heaters *(23 55 33)*

23 55 33 16-0001 Gas Fired Unit Heaters *(23 55 33 16)*

23 55 33 16-0002 Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase *(23 55 33 16-0001)*
Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger

23 55 33 16-0003	EA	24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	2,887.58	212.30
		For 90 Percent Efficiency, Add	*825.11*	
		For Stainless Steel Heat Exchanger, Add	*215.51*	
		For 30 Degree, Downward Air Deflection Hood, Add	*59.11*	
		For 60 Degree, Downward Air Deflection Hood, Add	*94.83*	
		For 90 Degree, Downward Air Deflection Hood, Add	*141.62*	
		For 3 Phase, 460 Volt, Add	*317.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0004	EA	36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,141.77	254.76
		For 90 Percent Efficiency, Add	*881.82*	
		For Stainless Steel Heat Exchanger, Add	*230.33*	
		For 30 Degree, Downward Air Deflection Hood, Add	*63.17*	
		For 60 Degree, Downward Air Deflection Hood, Add	*101.34*	
		For 90 Degree, Downward Air Deflection Hood, Add	*151.36*	
		For 3 Phase, 460 Volt, Add	*339.57*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0005	EA	48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,193.36	254.76
		For Blower Unit Model, Add	*254.97*	
		For 90 Percent Efficiency, Add	*899.10*	
		For Stainless Steel Heat Exchanger, Add	*234.84*	
		For 30 Degree, Downward Air Deflection Hood, Add	*64.41*	
		For 60 Degree, Downward Air Deflection Hood, Add	*103.33*	
		For 90 Degree, Downward Air Deflection Hood, Add	*154.32*	
		For 3 Phase, 460 Volt, Add	*346.22*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0006	EA	60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,472.38	297.22
		For Blower Unit Model, Add	*273.41*	
		For 90 Percent Efficiency, Add	*964.11*	
		For Stainless Steel Heat Exchanger, Add	*251.82*	
		For 30 Degree, Downward Air Deflection Hood, Add	*69.07*	
		For 60 Degree, Downward Air Deflection Hood, Add	*110.80*	
		For 90 Degree, Downward Air Deflection Hood, Add	*165.48*	
		For 3 Phase, 460 Volt, Add	*371.26*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0007	EA	72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	3,809.12	339.68
		For Blower Unit Model, Add	*297.33*	
		For 90 Percent Efficiency, Add	*1,048.49*	
		For Stainless Steel Heat Exchanger, Add	*273.86*	
		For 30 Degree, Downward Air Deflection Hood, Add	*75.12*	
		For 60 Degree, Downward Air Deflection Hood, Add	*120.50*	
		For 90 Degree, Downward Air Deflection Hood, Add	*179.96*	
		For 3 Phase, 460 Volt, Add	*403.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0008	EA	81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,091.06	360.91
		For Blower Unit Model, Add	*320.08*	
		For 90 Percent Efficiency, Add	*1,128.72*	
		For Stainless Steel Heat Exchanger, Add	*294.81*	
		For 30 Degree, Downward Air Deflection Hood, Add	*80.86*	
		For 60 Degree, Downward Air Deflection Hood, Add	*129.72*	
		For 90 Degree, Downward Air Deflection Hood, Add	*193.74*	
		For 3 Phase, 460 Volt, Add	*434.64*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0009	EA	101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,221.14	360.91
		For Blower Unit Model, Add	*332.44*	
		For 90 Percent Efficiency, Add	*1,172.30*	
		For Stainless Steel Heat Exchanger, Add	*306.20*	
		For 30 Degree, Downward Air Deflection Hood, Add	*83.99*	
		For 60 Degree, Downward Air Deflection Hood, Add	*134.73*	
		For 90 Degree, Downward Air Deflection Hood, Add	*201.21*	
		For 3 Phase, 460 Volt, Add	*451.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0010	EA	121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,339.93	360.91
		For Blower Unit Model, Add	*343.73*	
		For 90 Percent Efficiency, Add	*1,212.09*	
		For Stainless Steel Heat Exchanger, Add	*316.59*	
		For 30 Degree, Downward Air Deflection Hood, Add	*86.84*	
		For 60 Degree, Downward Air Deflection Hood, Add	*139.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*208.05*	
		For 3 Phase, 460 Volt, Add	*466.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0011	EA	141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	4,926.31	382.14
		For Blower Unit Model, Add	*395.40*	
		For 90 Percent Efficiency, Add	*1,394.30*	
		For Stainless Steel Heat Exchanger, Add	*364.18*	
		For 30 Degree, Downward Air Deflection Hood, Add	*99.89*	
		For 60 Degree, Downward Air Deflection Hood, Add	*160.24*	
		For 90 Degree, Downward Air Deflection Hood, Add	*239.32*	
		For 3 Phase, 460 Volt, Add	*536.91*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0012	EA	162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,434.18	382.14
		For Blower Unit Model, Add	*443.65*	
		For 90 Percent Efficiency, Add	*1,564.44*	
		For Stainless Steel Heat Exchanger, Add	*408.62*	
		For 30 Degree, Downward Air Deflection Hood, Add	*112.08*	
		For 60 Degree, Downward Air Deflection Hood, Add	*179.79*	
		For 90 Degree, Downward Air Deflection Hood, Add	*268.52*	
		For 3 Phase, 460 Volt, Add	*602.42*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 16-0013	EA	202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	5,855.34	382.14
		For Blower Unit Model, Add	*483.66*	
		For 90 Percent Efficiency, Add	*1,705.53*	
		For Stainless Steel Heat Exchanger, Add	*445.47*	
		For 30 Degree, Downward Air Deflection Hood, Add	*122.19*	
		For 60 Degree, Downward Air Deflection Hood, Add	*196.01*	
		For 90 Degree, Downward Air Deflection Hood, Add	*292.74*	
		For 3 Phase, 460 Volt, Add	*656.75*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0014	EA	243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,026.34	424.61
		For Blower Unit Model, Add	*586.82*	
		For 90 Percent Efficiency, Add	*2,069.32*	
		For Stainless Steel Heat Exchanger, Add	*540.49*	
		For 30 Degree, Downward Air Deflection Hood, Add	*148.25*	
		For 60 Degree, Downward Air Deflection Hood, Add	*237.82*	
		For 90 Degree, Downward Air Deflection Hood, Add	*355.18*	
		For 3 Phase, 460 Volt, Add	*796.84*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0015	EA	283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	7,980.15	424.61
		For Blower Unit Model, Add	*677.43*	
		For 90 Percent Efficiency, Add	*2,388.84*	
		For Stainless Steel Heat Exchanger, Add	*623.95*	
		For 30 Degree, Downward Air Deflection Hood, Add	*171.14*	
		For 60 Degree, Downward Air Deflection Hood, Add	*274.54*	
		For 90 Degree, Downward Air Deflection Hood, Add	*410.03*	
		For 3 Phase, 460 Volt, Add	*919.88*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	
23 55 33 16-0016	EA	324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt	8,552.22	467.06
		For Blower Unit Model, Add	*723.72*	
		For 90 Percent Efficiency, Add	*2,552.06*	
		For Stainless Steel Heat Exchanger, Add	*666.58*	
		For 30 Degree, Downward Air Deflection Hood, Add	*182.83*	
		For 60 Degree, Downward Air Deflection Hood, Add	*293.30*	
		For 90 Degree, Downward Air Deflection Hood, Add	*438.04*	
		For 3 Phase, 460 Volt, Add	*982.73*	
		For Quick-Swivel Flush Mount With Brackets, Add	*175.00*	

23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters *(23 55 33 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA	Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater	706.94	
23 55 33 16-0019	EA	Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater	952.84	

23 57 Heat Exchangers for HVAC *(23 50)*

23 57 13 Steam-To-Steam Heat Exchangers *(23 57)*

23 57 13 00-0001 Steam Generator Heat Exchanger *(23 57 13)*

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA	75 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	22,661.31	1,967.16
23 57 13 00-0003	EA	300 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	30,619.87	2,090.11
23 57 13 00-0004	EA	525 Lb./Hour Steam Generator Heat Exchanger, 35 PSI	41,308.64	2,597.39

23 57 16 Steam-To-Water Heat Exchangers *(23 57)*

23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI *(23 57 16)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA	8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	2,639.74	307.37
		For Bronze Head And Tube Sheet, Add	*1,003.46*	
		For Copper Nickel Tubes, Add	*222.99*	
		For Double Wall Tube Bundles, Add	*334.49*	
23 57 16 00-0003	EA	10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,868.51	307.37
		For Bronze Head And Tube Sheet, Add	*1,519.52*	
		For Copper Nickel Tubes, Add	*337.67*	
		For Double Wall Tube Bundles, Add	*506.51*	
23 57 16 00-0004	EA	40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	5,839.09	430.32
		For Bronze Head And Tube Sheet, Add	*2,350.96*	
		For Copper Nickel Tubes, Add	*522.44*	
		For Double Wall Tube Bundles, Add	*783.65*	
23 57 16 00-0005	EA	64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,193.45	430.32
		For Bronze Head And Tube Sheet, Add	*3,583.79*	
		For Copper Nickel Tubes, Add	*796.40*	
		For Double Wall Tube Bundles, Add	*1,194.60*	
23 57 16 00-0006	EA	96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	12,112.99	506.55
		For Bronze Head And Tube Sheet, Add	*4,759.27*	
		For Copper Nickel Tubes, Add	*1,057.62*	
		For Double Wall Tube Bundles, Add	*1,586.42*	
23 57 16 00-0007	EA	120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,933.62	643.91
		For Bronze Head And Tube Sheet, Add	*6,250.12*	
		For Copper Nickel Tubes, Add	*1,388.92*	
		For Double Wall Tube Bundles, Add	*2,083.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0008	EA	168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,668.84	966.47
		For Bronze Head And Tube Sheet, Add	*7,654.97*	
		For Copper Nickel Tubes, Add	*1,701.10*	
		For Double Wall Tube Bundles, Add	*2,551.66*	
23 57 16 00-0009	EA	240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	29,826.33	966.47
		For Bronze Head And Tube Sheet, Add	*11,926.84*	
		For Copper Nickel Tubes, Add	*2,650.41*	
		For Double Wall Tube Bundles, Add	*3,975.61*	

23 57 19 Liquid-To-Liquid Heat Exchangers *(23 57)*

23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers *(23 57 19)*

23 57 19 13-0001 Plate And Frame Heat Exchanger *(23 57 19 13)*

23 57 19 13-0002	EA	8" W x 18-7/8"H Plate And Frame Heat Exchanger	4,164.22	307.37
23 57 19 13-0003	EA	8" W x 24-9/16"H Plate And Frame Heat Exchanger	5,549.39	307.37
23 57 19 13-0004	EA	11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger	7,403.74	368.85
23 57 19 13-0005	EA	16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger	10,062.50	399.58
23 57 19 13-0006	EA	16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger	11,014.81	399.58
23 57 19 13-0007	EA	24" W x 57-11/16"H Plate And Frame Heat Exchanger	14,366.12	430.32
23 57 19 13-0008	EA	26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger	15,145.28	430.32
23 57 19 13-0009	EA	24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger	18,731.05	491.79
23 57 19 13-0010	EA	24" W x 69-11/16"H Plate And Frame Heat Exchanger	22,922.84	553.26
23 57 19 13-0011	EA	26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger	23,788.57	553.26
23 57 19 13-0012	EA	24" W x 89-13/16"H Plate And Frame Heat Exchanger	29,465.13	652.36
23 57 19 13-0013	EA	26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger	35,571.38	717.48
23 57 19 13-0014	EA	40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger	41,071.47	782.60

23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger *(23 57 19)*

23 57 19 19-0001 Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F *(23 57 19 19)*

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.

23 57 19 19-0002	EA	7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	3,149.44	307.37
		For Copper Nickel Tubes, Add	*273.96*	
		For Double Wall Tube Bundles, Add	*410.94*	
23 57 19 19-0003	EA	16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	4,378.21	307.37
		For Copper Nickel Tubes, Add	*388.64*	
		For Double Wall Tube Bundles, Add	*582.96*	
23 57 19 19-0004	EA	34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	6,539.92	430.32
		For Copper Nickel Tubes, Add	*592.52*	
		For Double Wall Tube Bundles, Add	*888.78*	
23 57 19 19-0005	EA	55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	9,357.02	430.32
		For Copper Nickel Tubes, Add	*853.74*	
		For Double Wall Tube Bundles, Add	*1,280.61*	
23 57 19 19-0006	EA	74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	11,581.55	491.79
		For Copper Nickel Tubes, Add	*1,051.24*	
		For Double Wall Tube Bundles, Add	*1,576.87*	
23 57 19 19-0007	EA	86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	15,438.19	491.79
		For Copper Nickel Tubes, Add	*1,414.40*	
		For Double Wall Tube Bundles, Add	*2,121.60*	
23 57 19 19-0008	EA	112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	19,147.85	483.23
		For Copper Nickel Tubes, Add	*1,758.44*	
		For Double Wall Tube Bundles, Add	*2,637.67*	
23 57 19 19-0009	EA	126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	23,815.26	483.23
		For Copper Nickel Tubes, Add	*2,191.68*	
		For Double Wall Tube Bundles, Add	*3,287.53*	
23 57 19 19-0010	EA	152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube	30,449.34	483.23
		For Copper Nickel Tubes, Add	*2,803.32*	
		For Double Wall Tube Bundles, Add	*4,204.98*	

23 57 19 23 Refrigerant-To-Water Heat Exchanger *(23 57 19)*

23 57 19 23-0001 Heat Exchanger Refrigerant To Water *(23 57 19 23)*

23 57 19 23-0002	EA	10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	3,558.48	245.90
		For Copper Nickel Tubes, Add	*306.67*	
		For Double Wall Tube Bundles, Add	*460.00*	
23 57 19 23-0003	EA	53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	9,492.77	409.79
		For Copper Nickel Tubes, Add	*867.31*	
		For Double Wall Tube Bundles, Add	*1,300.97*	
23 57 19 23-0004	EA	70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	12,792.14	534.58
		For Copper Nickel Tubes, Add	*1,172.49*	
		For Double Wall Tube Bundles, Add	*1,758.73*	
23 57 19 23-0005	EA	87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	13,719.02	647.07
		For Copper Nickel Tubes, Add	*1,242.76*	
		For Double Wall Tube Bundles, Add	*1,864.13*	
23 57 19 23-0006	EA	105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube	16,553.94	767.50
		For Copper Nickel Tubes, Add	*1,499.42*	
		For Double Wall Tube Bundles, Add	*2,249.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 60 Central Cooling Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 61 Refrigerant Compressors *(23 60)*

23 61 16 Reciprocating Refrigerant Compressors *(23 61)*

23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors *(23 61 16)*

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type	938.49	116.55
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type	1,133.07	116.55
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type	1,548.09	145.64
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type	1,949.42	145.64
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type	2,192.65	145.64
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,218.47	151.53
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,232.66	151.53
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type	2,454.63	163.18
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type	2,640.10	174.84
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	2,882.30	186.49
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type	3,299.85	186.49
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,712.31	198.14
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type	3,784.30	209.81
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type	3,844.56	215.58
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type	5,241.61	1,128.54
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type	8,185.48	1,289.71
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type	11,129.51	1,450.98
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type	14,943.12	1,571.79
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type	18,757.08	1,692.82
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type	22,508.50	2,031.38
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type	27,264.79	2,183.34
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type	31,842.84	2,308.39
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type	42,016.40	2,604.36
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type	49,821.58	2,672.66
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type	62,760.03	2,740.85
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type	65,983.67	2,775.06
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type	69,070.70	2,809.15
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type	74,846.36	2,877.35
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type	80,083.70	2,945.75
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type	85,468.87	3,317.69
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type	89,631.92	3,391.94
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type	93,211.81	3,435.12
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type	96,346.16	3,541.39
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type	98,895.60	3,615.65
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type	101,481.45	3,714.73
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type	103,977.53	3,754.67
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type	106,508.15	3,816.80
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type	109,345.98	4,074.21
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type	112,122.43	4,293.84

23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16)*

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons *(23 61 16 00-0041)*

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,131.27	116.55
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,169.50	116.55
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,266.00	145.64
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,304.20	145.64
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,323.31	145.64
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,365.53	151.53
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,407.58	151.53
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,511.16	163.18
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,610.93	174.84
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,748.87	186.49
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,825.32	186.49
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	1,963.26	198.14
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,330.58	209.81
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type	2,552.41	215.58

23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors *(23 61 16 00-0041)*

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type	3,214.99	580.39
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type	6,111.19	725.49
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type	10,199.17	883.22
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type	12,990.26	1,015.68
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type	14,346.61	1,128.54
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type	15,906.50	1,269.61
23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type	20,570.60	1,450.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type	26,449.96	1,450.98
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type	32,666.54	1,692.82
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type	36,775.16	1,813.73
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type	38,855.73	1,900.76
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type	39,945.59	1,994.66
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type	41,078.90	2,002.40
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type	43,150.51	2,096.63
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type	45,242.81	2,183.34

23 61 19 Scroll Refrigerant Compressors *(23 61)*

23 61 19 00-0001 Scroll Refrigerant Compressors *(23 61 19)*

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor	1,523.74	186.28
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor	1,597.53	198.26
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor	1,636.36	209.70
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor	1,668.27	215.69
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor	2,066.62	272.33
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor	3,940.04	408.50
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor	4,507.65	476.58
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor	5,049.86	544.66
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor	6,103.19	653.59
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor	7,197.79	735.29
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor	8,444.44	817.00
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor	11,903.77	1,089.33
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor	13,414.23	1,361.65
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor	14,334.82	1,633.99

23 61 23 Rotary-Screw Refrigerant Compressors *(23 61)*

23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors *(23 61 23)*

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type	46,683.43	2,775.06
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type	48,105.62	2,809.15
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type	51,188.94	2,877.35
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type	54,239.95	2,945.75
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type	58,498.10	3,317.69
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type	62,074.41	3,391.94
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type	65,572.43	3,435.12
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type	69,194.52	3,541.39
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type	72,773.99	3,615.65
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type	77,807.92	3,714.73
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type	81,331.85	3,754.67
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type	82,972.68	3,816.80
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type	93,139.17	4,074.21
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type	103,167.03	4,293.84

23 62 Packaged Compressor and Condenser Units *(23 60)*

23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors *(23 62 13)*

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	7,646.42	1,006.54
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	16,994.61	1,078.43
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	29,868.00	1,150.32
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	35,385.60	1,222.23
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	41,984.94	1,294.12
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	46,529.73	1,437.91
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	47,866.24	1,606.05
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	51,584.60	1,899.70
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	55,041.41	2,058.00
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	63,087.73	2,216.31
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	71,326.20	2,453.78
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	75,387.55	2,551.06
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	85,121.67	2,710.50
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube	93,043.11	2,869.94

23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type *(23 62 13)*

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	7,297.08	1,006.54
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	15,006.29	1,078.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	23,435.49	1,150.32
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	25,311.96	1,222.23
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	27,188.44	1,294.12
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	32,226.88	1,437.91
23 62 13 00-0023	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	36,498.79	1,606.05
23 62 13 00-0024	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	46,906.21	1,899.70
23 62 13 00-0025	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	52,609.39	2,058.00
23 62 13 00-0026	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	56,947.90	2,216.31
23 62 13 00-0027	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	65,483.26	2,453.78
23 62 13 00-0028	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	69,359.28	2,551.06
23 62 13 00-0029	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	76,086.81	2,710.50
23 62 13 00-0030	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems	86,772.96	2,869.94

23 62 13 00-0031 Packaged Chiller With Remote Air-Cooled Condenser *(23 62 13)*

Note: With remote air-cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA	15 Ton Packaged Chiller With Remote Air-Cooled Condensers	50,199.41	9,230.08
		For Gas Fired Engine Driven, Add	*8,656.07*	
23 62 13 00-0033	EA	20 Ton Packaged Chiller With Remote Air-Cooled Condensers	56,744.15	9,728.99
		For Gas Fired Engine Driven, Add	*9,890.22*	
23 62 13 00-0034	EA	25 Ton Packaged Chiller With Remote Air-Cooled Condensers	65,935.78	10,587.34
		For Gas Fired Engine Driven, Add	*11,599.84*	
23 62 13 00-0035	EA	30 Ton Packaged Chiller With Remote Air-Cooled Condensers	73,778.53	11,249.11
		For Gas Fired Engine Driven, Add	*13,069.19*	
23 62 13 00-0036	EA	40 Ton Packaged Chiller With Remote Air-Cooled Condensers	92,386.42	12,412.80
		For Gas Fired Engine Driven, Add	*16,616.30*	
23 62 13 00-0037	EA	50 Ton Packaged Chiller With Remote Air-Cooled Condensers	102,009.63	12,856.05
		For Gas Fired Engine Driven, Add	*18,474.47*	
23 62 13 00-0038	EA	60 Ton Packaged Chiller With Remote Air-Cooled Condensers	110,869.94	13,845.00
		For Gas Fired Engine Driven, Add	*20,098.27*	
23 62 13 00-0039	EA	70 Ton Packaged Chiller With Remote Air-Cooled Condensers	134,996.15	14,813.69
		For Gas Fired Engine Driven, Add	*24,750.54*	
23 62 13 00-0040	EA	75 Ton Packaged Chiller With Remote Air-Cooled Condensers	136,606.27	15,106.09
		For Gas Fired Engine Driven, Add	*25,056.47*	
23 62 13 00-0041	EA	80 Ton Packaged Chiller With Remote Air-Cooled Condensers	139,040.15	15,762.93
		For Gas Fired Engine Driven, Add	*25,444.77*	
23 62 13 00-0042	EA	90 Ton Packaged Chiller With Remote Air-Cooled Condensers	154,401.23	16,479.45
		For Gas Fired Engine Driven, Add	*28,409.57*	
23 62 13 00-0043	EA	100 Ton Packaged Chiller With Remote Air-Cooled Condensers	170,947.86	17,264.22
		For Gas Fired Engine Driven, Add	*31,601.24*	
23 62 13 00-0044	EA	110 Ton Packaged Chiller With Remote Air-Cooled Condensers	189,661.48	18,127.37
		For Gas Fired Engine Driven, Add	*35,214.55*	
23 62 13 00-0045	EA	120 Ton Packaged Chiller With Remote Air-Cooled Condensers	205,144.54	19,081.48
		For Gas Fired Engine Driven, Add	*38,168.12*	
23 62 13 00-0046	EA	140 Ton Packaged Chiller With Remote Air-Cooled Condensers	226,495.44	20,141.52
		For Gas Fired Engine Driven, Add	*42,279.37*	

23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units *(23 62)*

23 62 23 00-0001 Water Cooled Condensing Units *(23 62 23)*

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA	5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	8,393.95	786.93
23 62 23 00-0003	EA	10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	12,734.61	1,149.25
23 62 23 00-0004	EA	15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	14,585.53	1,245.50
23 62 23 00-0005	EA	20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	18,090.18	1,494.59
23 62 23 00-0006	EA	30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	19,530.96	1,758.42
23 62 23 00-0007	EA	60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	41,495.72	2,622.78
23 62 23 00-0008	EA	80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	51,505.77	3,165.46
23 62 23 00-0009	EA	120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor	71,294.20	3,463.50

23 63 Refrigerant Condensers *(23 60)*

23 63 13 Air-Cooled Refrigerant Condensers *(23 63)*

23 63 13 00-0001 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum ASHRAE EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA	6 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	7,445.46	786.93
		For >10 To 25, Deduct	*-187.61*	
		For >25 To 50, Deduct	*-312.68*	
		For >50, Deduct	*-500.29*	
		For Low Ambient Protection, 0 Degree F, Add	*1,110.93*	
		For Winter Start Control, Add	*369.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0003	EA	7.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	8,919.66	934.12
		For >10 To 25, Deduct	*-225.13*	
		For >25 To 50, Deduct	*-375.22*	
		For >50, Deduct	*-600.35*	
		For Low Ambient Protection, 0 Degree F, Add	*954.18*	
		For Winter Start Control, Add	*291.62*	
23 63 13 00-0004	EA	10 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,613.41	1,149.25
		For >10 To 25, Deduct	*-296.14*	
		For >25 To 50, Deduct	*-493.57*	
		For >50, Deduct	*-789.72*	
		For Low Ambient Protection, 0 Degree F, Add	*1,126.49*	
		For Winter Start Control, Add	*371.62*	
23 63 13 00-0005	EA	12.5 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,427.96	1,195.68
		For >10 To 25, Deduct	*-378.49*	
		For >25 To 50, Deduct	*-630.82*	
		For >50, Deduct	*-1,009.31*	
		For Low Ambient Protection, 0 Degree F, Add	*1,336.05*	
		For Winter Start Control, Add	*433.49*	
23 63 13 00-0006	EA	15 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	17,248.31	1,245.50
		For >10 To 25, Deduct	*-460.84*	
		For >25 To 50, Deduct	*-768.06*	
		For >50, Deduct	*-1,228.90*	
		For Low Ambient Protection, 0 Degree F, Add	*1,393.45*	
		For Winter Start Control, Add	*342.32*	
23 63 13 00-0007	EA	20 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	22,259.29	1,494.59
		For >10 To 25, Deduct	*-599.84*	
		For >25 To 50, Deduct	*-999.74*	
		For >50, Deduct	*-1,599.58*	
		For Low Ambient Protection, 0 Degree F, Add	*1,765.82*	
		For Winter Start Control, Add	*426.40*	
23 63 13 00-0008	EA	25 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	25,349.83	1,607.82
		For >10 To 25, Deduct	*-687.48*	
		For >25 To 50, Deduct	*-1,145.79*	
		For >50, Deduct	*-1,833.27*	
		For Low Ambient Protection, 0 Degree F, Add	*1,868.86*	
		For Winter Start Control, Add	*472.55*	
23 63 13 00-0009	EA	30 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	29,096.83	1,755.01
		For >10 To 25, Deduct	*-793.24*	
		For >25 To 50, Deduct	*-1,322.07*	
		For >50, Deduct	*-2,115.31*	
		For Low Ambient Protection, 0 Degree F, Add	*1,985.92*	
		For Winter Start Control, Add	*529.96*	
23 63 13 00-0010	EA	40 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	40,109.57	2,086.29
		For >10 To 25, Deduct	*-1,106.76*	
		For >25 To 50, Deduct	*-1,844.60*	
		For >50, Deduct	*-2,951.37*	
		For Low Ambient Protection, 0 Degree F, Add	*2,648.98*	
		For Winter Start Control, Add	*690.67*	
23 63 13 00-0011	EA	50 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	48,680.50	2,622.78
		For >10 To 25, Deduct	*-1,339.07*	
		For >25 To 50, Deduct	*-2,231.78*	
		For >50, Deduct	*-3,570.85*	
		For Low Ambient Protection, 0 Degree F, Add	*2,796.64*	
		For Winter Start Control, Add	*627.67*	
23 63 13 00-0012	EA	60 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	56,141.38	2,894.74
		For >10 To 25, Deduct	*-1,553.85*	
		For >25 To 50, Deduct	*-2,589.75*	
		For >50, Deduct	*-4,143.60*	
		For Low Ambient Protection, 0 Degree F, Add	*3,158.41*	
		For Winter Start Control, Add	*693.62*	
23 63 13 00-0013	EA	80 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	72,873.94	3,165.46
		For >10 To 25, Deduct	*-2,039.77*	
		For >25 To 50, Deduct	*-3,399.61*	
		For >50, Deduct	*-5,439.38*	
		For Low Ambient Protection, 0 Degree F, Add	*3,940.12*	
		For Winter Start Control, Add	*828.13*	
23 63 13 00-0014	EA	100 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	100,739.32	2,850.16
		For >10 To 25, Deduct	*-2,848.12*	
		For >25 To 50, Deduct	*-4,746.86*	
		For >50, Deduct	*-7,594.98*	
		For Low Ambient Protection, 0 Degree F, Add	*4,298.63*	
		For Winter Start Control, Add	*1,054.89*	
23 63 13 00-0015	EA	120 Ton Air-Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	124,355.54	2,946.77
		For >10 To 25, Deduct	*-3,550.70*	
		For >25 To 50, Deduct	*-5,917.84*	
		For >50, Deduct	*-9,468.54*	
		For Low Ambient Protection, 0 Degree F, Add	*5,050.39*	

23 63 13 00-0016 Air-Cooled Condensing Units *(23 63 13)*

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0017	EA	1.5 Ton, 14 SEER, Air-Cooled Condensing Unit	2,586.37	375.69
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-60.69*	
		For >25 To 50, Deduct	*-101.14*	
		For >50, Deduct	*-161.83*	
		For 15 SEER, Add	*485.48*	
		For 16 SEER, Add	*829.36*	
		For 18 SEER, Add	*1,739.64*	
23 63 13 00-0018	EA	2 Ton, 14 SEER, Air-Cooled Condensing Unit	2,777.86	417.64
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-64.55*	
		For >25 To 50, Deduct	*-107.59*	
		For >50, Deduct	*-172.14*	
		For 15 SEER, Add	*516.41*	
		For 16 SEER, Add	*882.21*	
		For 18 SEER, Add	*1,850.48*	
23 63 13 00-0019	EA	2.5 Ton, 14 SEER, Air-Cooled Condensing Unit	2,943.15	459.40
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-67.63*	
		For >25 To 50, Deduct	*-112.72*	
		For >50, Deduct	*-180.35*	
		For 15 SEER, Add	*541.05*	
		For 16 SEER, Add	*924.30*	
		For 18 SEER, Add	*1,938.78*	
23 63 13 00-0020	EA	3 Ton, 14 SEER, Air-Cooled Condensing Unit	3,388.06	500.91
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-79.10*	
		For >25 To 50, Deduct	*-131.83*	
		For >50, Deduct	*-210.93*	
		For 15 SEER, Add	*632.80*	
		For 16 SEER, Add	*1,081.04*	
		For 18 SEER, Add	*2,267.54*	
23 63 13 00-0021	EA	3.5 Ton, 14 SEER, Air-Cooled Condensing Unit	3,583.92	542.93
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-83.10*	
		For >25 To 50, Deduct	*-138.50*	
		For >50, Deduct	*-221.59*	
		For 15 SEER, Add	*664.78*	
		For 16 SEER, Add	*1,135.67*	
		For 18 SEER, Add	*2,382.14*	
23 63 13 00-0022	EA	4 Ton, 14 SEER, Air-Cooled Condensing Unit	4,000.43	584.70
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-93.71*	
		For >25 To 50, Deduct	*-156.19*	
		For >50, Deduct	*-249.91*	
		For 15 SEER, Add	*749.72*	
		For 16 SEER, Add	*1,280.77*	
		For 18 SEER, Add	*2,686.49*	
23 63 13 00-0023	EA	5 Ton, 14 SEER, Air-Cooled Condensing Unit	4,524.96	626.14
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For >10 To 25, Deduct	*-107.57*	
		For >25 To 50, Deduct	*-179.29*	
		For >50, Deduct	*-286.86*	
		For 15 SEER, Add	*860.58*	
		For 16 SEER, Add	*1,470.15*	
		For 18 SEER, Add	*3,083.74*	

23 63 13 00-0024 Removal And Reinstallation Of AC Condensing Unit *(23 63 13)*
Note: Includes storage and cleaning.

23 63 13 00-0025	EA	Removal And Reinstallation Of Up To 5 Tons Air-Cooled Condensing Unit	385.15
23 63 13 00-0026	EA	Removal And Reinstallation Of 7.5 To 15 Tons Air-Cooled Condensing Unit	1,444.33
23 63 13 00-0027	EA	Removal And Reinstallation Of 20 To 40 Tons Air-Cooled Condensing Unit	2,378.71

23 64 Packaged Water Chillers *(23 60)*

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 64 13 Absorption Water Chillers *(23 64)*

23 64 13 16 Indirect-Fired Absorption Water Chillers *(23 64 13)*

23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers *(23 64 13 16)*
Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	218,146.46	12,592.69
		For Two Stage Unit, Add	*142,628.37*	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	275,388.08	14,494.64
		For Two Stage Unit, Add	*181,175.94*	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	349,001.76	15,581.75
		For Two Stage Unit, Add	*231,835.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	387,625.29	16,668.85
		For Two Stage Unit, Add	*258,002.63*	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	432,816.82	17,152.00
		For Two Stage Unit, Add	*289,250.17*	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	487,483.74	17,755.94
		For Two Stage Unit, Add	*327,033.86*	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	522,711.02	18,359.89
		For Two Stage Unit, Add	*351,209.80*	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	621,841.89	19,326.19
		For Two Stage Unit, Add	*419,828.36*	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	695,948.47	19,930.14
		For Two Stage Unit, Add	*471,219.81*	
23 64 13 16-0011	EA	650 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	842,953.74	20,534.08
		For Two Stage Unit, Add	*573,640.34*	
23 64 13 16-0012	EA	750 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	913,891.41	21,983.54
		For Two Stage Unit, Add	*622,137.15*	
23 64 13 16-0013	EA	850 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	979,727.63	23,312.23
		For Two Stage Unit, Add	*667,159.56*	
23 64 13 16-0014	EA	950 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,050,586.09	24,722.07
		For Two Stage Unit, Add	*715,632.61*	
23 64 13 16-0015	EA	1,125 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,202,569.95	25,325.05
		For Two Stage Unit, Add	*821,490.68*	
23 64 13 16-0016	EA	1,250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,317,121.59	26,772.20
		For Two Stage Unit, Add	*900,567.37*	
23 64 13 16-0017	EA	1,450 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,538,229.60	27,978.14
		For Two Stage Unit, Add	*1,054,378.19*	
23 64 13 16-0018	EA	1,700 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller	1,797,979.24	28,822.32
		For Two Stage Unit, Add	*1,235,527.62*	

23 64 16 Centrifugal Water Chillers *(23 64)*

23 64 16 13 Air-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 13-0001 Magnetic Bearing, Air-Cooled Centrifugal Chillers *(23 64 16 13)*

Note: SMARDT air-cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, lowest ARI IPLV in industry. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface.

23 64 16 13-0002	EA	85 Ton, Single Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	246,422.30	6,690.91
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
23 64 16 13-0003	EA	175 Ton, Two Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	349,753.79	8,974.00
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
23 64 16 13-0004	EA	240 Ton, Three Compressor, Magnetic Bearing, Air-Cooled Centrifugal Chiller	437,380.81	9,490.73
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	

23 64 16 16 Water-Cooled Centrifugal Water Chillers *(23 64 16)*

23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers *(23 64 16 16)*

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	166,267.52	6,891.60
		For 208/230 Voltage Motor Rating, Add	*6,207.89*	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	181,765.18	7,066.14
		For 208/230 Voltage Motor Rating, Add	*6,816.44*	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	200,496.82	7,245.75
		For 208/230 Voltage Motor Rating, Add	*7,554.31*	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	218,775.89	7,536.25
		For 208/230 Voltage Motor Rating, Add	*8,266.80*	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	236,637.78	7,961.78
		For 208/230 Voltage Motor Rating, Add	*8,953.94*	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	253,846.61	8,375.73
		For 208/230 Voltage Motor Rating, Add	*9,615.70*	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	270,492.26	8,834.97
		For 208/230 Voltage Motor Rating, Add	*10,252.01*	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	286,467.74	9,270.65
		For 208/230 Voltage Motor Rating, Add	*10,863.04*	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	301,745.48	9,667.93
		For 208/230 Voltage Motor Rating, Add	*11,448.62*	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	316,254.70	9,981.62
		For 208/230 Voltage Motor Rating, Add	*12,008.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	330,420.03	10,476.13
		For 208/230 Voltage Motor Rating, Add	*12,543.68*	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	343,806.22	10,880.29
		For 208/230 Voltage Motor Rating, Add	*13,053.15*	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	356,549.71	11,279.25
		For 208/230 Voltage Motor Rating, Add	*13,537.26*	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	368,514.55	11,588.23
		For 208/230 Voltage Motor Rating, Add	*13,995.99*	
23 64 16 16-0016	EA	550 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	390,206.98	11,999.15
		For 208/230 Voltage Motor Rating, Add	*14,837.29*	
23 64 16 16-0017	EA	600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	409,121.47	12,260.06
		For 208/230 Voltage Motor Rating, Add	*15,577.11*	
23 64 16 16-0018	EA	650 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	426,051.67	12,866.05
		For 208/230 Voltage Motor Rating, Add	*16,215.38*	
23 64 16 16-0019	EA	700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	440,459.62	13,481.23
		For 208/230 Voltage Motor Rating, Add	*16,752.17*	
23 64 16 16-0020	EA	750 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	452,433.67	14,158.01
		For 208/230 Voltage Motor Rating, Add	*17,187.64*	
23 64 16 16-0021	EA	800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	480,571.41	14,841.07
		For 208/230 Voltage Motor Rating, Add	*18,269.26*	
23 64 16 16-0022	EA	850 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	508,510.35	15,521.96
		For 208/230 Voltage Motor Rating, Add	*19,343.08*	
23 64 16 16-0023	EA	900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	536,355.54	16,268.19
		For 208/230 Voltage Motor Rating, Add	*20,408.93*	
23 64 16 16-0024	EA	950 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	564,121.05	17,089.79
		For 208/230 Voltage Motor Rating, Add	*21,466.76*	
23 64 16 16-0025	EA	1,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	591,320.94	17,874.91
		For 208/230 Voltage Motor Rating, Add	*22,516.56*	
23 64 16 16-0026	EA	1,100 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	641,525.56	20,624.96
		For 208/230 Voltage Motor Rating, Add	*24,349.93*	
23 64 16 16-0027	EA	1,200 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	689,844.00	23,382.86
		For 208/230 Voltage Motor Rating, Add	*26,107.35*	
23 64 16 16-0028	EA	1,300 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	735,427.13	25,616.89
		For 208/230 Voltage Motor Rating, Add	*27,788.66*	
23 64 16 16-0029	EA	1,400 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	777,743.07	26,992.40
		For 208/230 Voltage Motor Rating, Add	*29,393.87*	
23 64 16 16-0030	EA	1,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	818,079.55	28,322.93
		For 208/230 Voltage Motor Rating, Add	*30,922.74*	
23 64 16 16-0031	EA	1,600 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	855,722.19	29,143.94
		For 208/230 Voltage Motor Rating, Add	*32,376.26*	
23 64 16 16-0032	EA	1,700 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	893,383.21	31,177.19
		For 208/230 Voltage Motor Rating, Add	*33,753.45*	
23 64 16 16-0033	EA	1,800 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	928,327.19	32,698.01
		For 208/230 Voltage Motor Rating, Add	*35,054.53*	
23 64 16 16-0034	EA	1,900 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	962,087.34	34,671.20
		For 208/230 Voltage Motor Rating, Add	*36,279.51*	
23 64 16 16-0035	EA	2,000 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	992,780.68	35,909.47
		For 208/230 Voltage Motor Rating, Add	*37,428.53*	
23 64 16 16-0036	EA	2,250 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,057,313.09	37,942.11
		For 208/230 Voltage Motor Rating, Add	*39,968.32*	
23 64 16 16-0037	EA	2,500 Ton Packaged Water-Cooled Centrifugal Water Chiller Note: Includes integral heat exchanger, controls, and 440/460 V motor.	1,114,735.31	40,218.59
		For 208/230 Voltage Motor Rating, Add	*42,032.79*	

23 64 16 16-0038 Magnetic Bearing, Water Cooled Centrifugal Water Chillers *(23 64 16 16)*
Note: SMARDT water cooled oil-free centrifugal chiller with variable speed control, magnetic bearings, 10 amp maximum inrush current and ARI part load <0.4kW per ton. Includes start up, freight, R-134a refrigerant charge, BACnet or equivalent interface, 12/18 month compressor warranty.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0039	EA	60 To 85 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	155,174.07	5,797.86
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0040	EA	130 To 137 Ton, Single Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	195,386.85	6,738.80
		For 5 Year Parts Only Compressor Warranty, Add	*6,849.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0041	EA	125 To 170 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	244,717.04	6,891.60
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0042	EA	240 To 270 Ton, Dual Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	318,690.85	7,961.78
		For 5 Year Parts Only Compressor Warranty, Add	*13,698.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0043	EA	210 To 260 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	321,150.91	7,536.25
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0044	EA	355 To 405 Ton, Three Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	481,811.56	9,981.62
		For 5 Year Parts Only Compressor Warranty, Add	*20,547.00*	
		For Marine Water Box Connections, Add	*4,456.76*	
23 64 16 16-0045	EA	299 To 340 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	426,863.68	9,270.65
		For 5 Year Parts Only Compressor Warranty, Add	*25,113.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0046	EA	540 Ton, Four Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	593,100.00	11,999.15
		For 5 Year Parts Only Compressor Warranty, Add	*25,113.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0047	EA	425 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	531,286.22	10,476.13
		For 5 Year Parts Only Compressor Warranty, Add	*29,679.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0048	EA	650 Ton, Five Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	711,083.01	12,866.05
		For 5 Year Parts Only Compressor Warranty, Add	*29,679.00*	
		For Marine Water Box Connections, Add	*6,207.63*	
23 64 16 16-0049	EA	510 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	632,613.86	11,588.23
		For 5 Year Parts Only Compressor Warranty, Add	*34,245.00*	
		For Marine Water Box Connections, Add	*6,525.97*	
23 64 16 16-0050	EA	800 Ton, Six Compressor, Magnetic Bearing, Water Cooled Centrifugal Water Chiller	815,082.02	14,841.07
		For 5 Year Parts Only Compressor Warranty, Add	*34,245.00*	
		For Marine Water Box Connections, Add	*6,525.97*	

23 64 23 Scroll Water Chillers *(23 64)*

23 64 23 13 Air-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 13-0001 Packaged Air-Cooled Scroll Water Chillers *(23 64 23 13)*

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, isolation valves, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, freeze protection thermostat, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.

23 64 23 13-0002	EA	10 Ton Packaged Air-Cooled Scroll Water Chiller	31,686.11	1,790.26
23 64 23 13-0003	EA	15 Ton Packaged Air-Cooled Scroll Water Chiller	46,536.50	1,813.21
23 64 23 13-0004	EA	18 Ton Packaged Air-Cooled Scroll Water Chiller	50,795.51	1,939.45
23 64 23 13-0005	EA	22 Ton Packaged Air-Cooled Scroll Water Chiller	55,894.95	2,077.16
23 64 23 13-0006	EA	25 Ton Packaged Air-Cooled Scroll Water Chiller	56,786.50	2,214.87
23 64 23 13-0007	EA	30 Ton Packaged Air-Cooled Scroll Water Chiller	59,911.33	2,375.53
23 64 23 13-0008	EA	40 Ton Packaged Air-Cooled Scroll Water Chiller	68,533.33	2,570.63
23 64 23 13-0009	EA	45 Ton Packaged Air-Cooled Scroll Water Chiller	73,597.28	2,788.67
23 64 23 13-0010	EA	50 Ton Packaged Air-Cooled Scroll Water Chiller	77,730.46	2,869.00
23 64 23 13-0011	EA	55 Ton Packaged Air-Cooled Scroll Water Chiller	81,185.36	2,995.24
23 64 23 13-0012	EA	60 Ton Packaged Air-Cooled Scroll Water Chiller	83,911.61	3,098.53
23 64 23 13-0013	EA	70 Ton Packaged Air-Cooled Scroll Water Chiller	96,825.98	3,488.71
23 64 23 13-0014	EA	80 Ton Packaged Air-Cooled Scroll Water Chiller	104,209.80	3,821.51
23 64 23 13-0015	EA	90 Ton Packaged Air-Cooled Scroll Water Chiller	106,121.58	3,832.99
23 64 23 13-0016	EA	100 Ton Packaged Air-Cooled Scroll Water Chiller	112,328.27	3,844.47
23 64 23 13-0017	EA	110 Ton Packaged Air-Cooled Scroll Water Chiller	118,372.22	3,855.94
23 64 23 13-0018	EA	120 Ton Packaged Air-Cooled Scroll Water Chiller	124,491.32	3,867.42
23 64 23 13-0019	EA	130 Ton Packaged Air-Cooled Scroll Water Chiller	130,923.34	3,878.90

23 64 23 16 Water-Cooled Scroll Water Chillers *(23 64 23)*

23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers *(23 64 23 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, flow switch, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA	20 Ton Packaged Water Cooled Scroll Water Chiller	39,090.70	2,218.84
23 64 23 16-0003	EA	25 Ton Packaged Water Cooled Scroll Water Chiller	45,027.69	2,285.86
23 64 23 16-0004	EA	30 Ton Packaged Water Cooled Scroll Water Chiller	49,957.66	2,509.40
23 64 23 16-0005	EA	40 Ton Packaged Water Cooled Scroll Water Chiller	61,445.09	3,214.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 23 16-0006	EA	50 Ton Packaged Water Cooled Scroll Water Chiller	67,979.59	3,522.24
23 64 23 16-0007	EA	60 Ton Packaged Water Cooled Scroll Water Chiller	71,401.93	3,891.62

23 64 26 Rotary-Screw Water Chillers *(23 64)*

23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 13-0001 Packaged Air-Cooled Rotary-Screw Water Chillers *(23 64 26 13)*

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.

23 64 26 13-0002	EA	70 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	111,992.53	4,395.31
		For Aluminum Fins Instead Of Copper, Deduct	*-1,581.08*	
		For 208/230 Voltage Motor Rating, Add	*4,216.21*	
23 64 26 13-0003	EA	80 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	120,359.73	4,774.02
		For Aluminum Fins Instead Of Copper, Deduct	*-1,698.15*	
		For 208/230 Voltage Motor Rating, Add	*4,528.41*	
23 64 26 13-0004	EA	90 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	126,611.31	4,980.59
		For Aluminum Fins Instead Of Copper, Deduct	*-1,787.11*	
		For 208/230 Voltage Motor Rating, Add	*4,765.62*	
23 64 26 13-0005	EA	100 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	131,276.33	5,359.30
		For Aluminum Fins Instead Of Copper, Deduct	*-1,848.65*	
		For 208/230 Voltage Motor Rating, Add	*4,929.72*	
23 64 26 13-0006	EA	110 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	140,898.40	5,623.25
		For Aluminum Fins Instead Of Copper, Deduct	*-1,987.13*	
		For 208/230 Voltage Motor Rating, Add	*5,299.00*	
23 64 26 13-0007	EA	120 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	149,746.33	5,738.01
		For Aluminum Fins Instead Of Copper, Deduct	*-2,117.09*	
		For 208/230 Voltage Motor Rating, Add	*5,645.57*	
23 64 26 13-0008	EA	130 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	158,082.95	5,933.10
		For Aluminum Fins Instead Of Copper, Deduct	*-2,237.84*	
		For 208/230 Voltage Motor Rating, Add	*5,967.56*	
23 64 26 13-0009	EA	140 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	163,142.91	6,059.34
		For Aluminum Fins Instead Of Copper, Deduct	*-2,310.81*	
		For 208/230 Voltage Motor Rating, Add	*6,162.16*	
23 64 26 13-0010	EA	160 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	172,285.29	6,185.58
		For Aluminum Fins Instead Of Copper, Deduct	*-2,445.02*	
		For 208/230 Voltage Motor Rating, Add	*6,520.05*	
23 64 26 13-0011	EA	170 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	179,841.10	6,380.66
		For Aluminum Fins Instead Of Copper, Deduct	*-2,554.05*	
		For 208/230 Voltage Motor Rating, Add	*6,810.80*	
23 64 26 13-0012	EA	180 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	189,649.53	6,633.14
		For Aluminum Fins Instead Of Copper, Deduct	*-2,695.50*	
		For 208/230 Voltage Motor Rating, Add	*7,187.99*	
23 64 26 13-0013	EA	200 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	198,252.72	6,770.85
		For Aluminum Fins Instead Of Copper, Deduct	*-2,821.62*	
		For 208/230 Voltage Motor Rating, Add	*7,524.32*	
23 64 26 13-0014	EA	215 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	212,544.42	6,885.61
		For Aluminum Fins Instead Of Copper, Deduct	*-3,033.24*	
		For 208/230 Voltage Motor Rating, Add	*8,088.64*	
23 64 26 13-0015	EA	225 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	222,041.63	6,954.46
		For Aluminum Fins Instead Of Copper, Deduct	*-3,174.32*	
		For 208/230 Voltage Motor Rating, Add	*8,464.86*	
23 64 26 13-0016	EA	240 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	231,538.84	7,011.85
		For Aluminum Fins Instead Of Copper, Deduct	*-3,315.40*	
		For 208/230 Voltage Motor Rating, Add	*8,841.07*	
23 64 26 13-0017	EA	260 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	259,961.59	7,149.57
		For Aluminum Fins Instead Of Copper, Deduct	*-3,738.64*	
		For 208/230 Voltage Motor Rating, Add	*9,969.72*	
23 64 26 13-0018	EA	280 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	274,264.78	7,287.27
		For Aluminum Fins Instead Of Copper, Deduct	*-3,950.27*	
		For 208/230 Voltage Motor Rating, Add	*10,534.04*	
23 64 26 13-0019	EA	300 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	293,259.20	7,402.03
		For Aluminum Fins Instead Of Copper, Deduct	*-4,232.43*	
		For 208/230 Voltage Motor Rating, Add	*11,286.48*	
23 64 26 13-0020	EA	325 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	321,658.99	7,528.26
		For Aluminum Fins Instead Of Copper, Deduct	*-4,655.67*	
		For 208/230 Voltage Motor Rating, Add	*12,415.12*	
23 64 26 13-0021	EA	350 Ton Packaged Air-Cooled Rotary-Screw Water Chiller	350,708.40	7,620.08
		For Aluminum Fins Instead Of Copper, Deduct	*-5,089.17*	
		For 208/230 Voltage Motor Rating, Add	*13,571.13*	

23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers *(23 64 26)*

23 64 26 16-0001 Packaged Water Cooled Helical Rotary Water Chillers *(23 64 26 16)*

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 16-0002	EA	70 Ton Packaged Water Cooled Helical Rotary Water Chiller	73,750.81	5,435.49
23 64 26 16-0003	EA	80 Ton Packaged Water Cooled Helical Rotary Water Chiller	80,043.08	5,646.87
23 64 26 16-0004	EA	90 Ton Packaged Water Cooled Helical Rotary Water Chiller	85,509.14	5,797.86
23 64 26 16-0005	EA	100 Ton Packaged Water Cooled Helical Rotary Water Chiller	90,268.19	6,042.45
23 64 26 16-0006	EA	110 Ton Packaged Water Cooled Helical Rotary Water Chiller	94,994.72	6,208.54
23 64 26 16-0007	EA	125 Ton Packaged Water Cooled Helical Rotary Water Chiller	100,751.61	6,382.84
23 64 26 16-0008	EA	130 Ton Packaged Water Cooled Helical Rotary Water Chiller	135,959.30	6,561.24
23 64 26 16-0009	EA	150 Ton Packaged Water Cooled Helical Rotary Water Chiller	141,147.27	6,738.80
23 64 26 16-0010	EA	175 Ton Packaged Water Cooled Helical Rotary Water Chiller	145,031.30	6,905.61
23 64 26 16-0011	EA	190 Ton Packaged Water Cooled Helical Rotary Water Chiller	146,496.54	7,250.95
23 64 26 16-0012	EA	200 Ton Packaged Water Cooled Helical Rotary Water Chiller	145,453.01	7,600.63
23 64 26 16-0013	EA	210 Ton Packaged Water Cooled Helical Rotary Water Chiller	153,895.32	7,763.34
23 64 26 16-0014	EA	235 Ton Packaged Water Cooled Helical Rotary Water Chiller	167,256.50	7,933.16
23 64 26 16-0015	EA	255 Ton Packaged Water Cooled Helical Rotary Water Chiller	177,699.67	8,296.26
23 64 26 16-0016	EA	275 Ton Packaged Water Cooled Helical Rotary Water Chiller	187,579.77	8,632.04
23 64 26 16-0017	EA	300 Ton Packaged Water Cooled Helical Rotary Water Chiller	199,080.59	8,974.00
23 64 26 16-0018	EA	350 Ton Packaged Water Cooled Helical Rotary Water Chiller	218,546.09	9,769.39
23 64 26 16-0019	EA	400 Ton Packaged Water Cooled Helical Rotary Water Chiller	234,481.42	10,745.37
23 64 26 16-0020	EA	450 Ton Packaged Water Cooled Helical Rotary Water Chiller	246,904.28	11,820.38

23 65 Cooling Towers *(23 60)*

23 65 13 Forced-Draft Cooling Towers *(23 65)*

23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13)*

23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers *(23 65 13 16)*

23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers *(23 65 13 16-0001)*

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.

23 65 13 16-0003	EA	50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	19,838.21	1,905.02
		For Stainless Steel Cooling Tower, Add	*10,188.41*	
23 65 13 16-0004	EA	75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	27,326.51	2,329.63
		For Stainless Steel Cooling Tower, Add	*14,309.56*	
23 65 13 16-0005	EA	100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	34,278.27	2,926.38
		For Stainless Steel Cooling Tower, Add	*17,743.86*	
23 65 13 16-0006	EA	125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	39,526.28	3,270.67
		For Stainless Steel Cooling Tower, Add	*20,562.16*	
23 65 13 16-0007	EA	150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	45,170.71	3,683.81
		For Stainless Steel Cooling Tower, Add	*23,549.45*	
23 65 13 16-0008	EA	175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	50,788.36	4,131.37
		For Stainless Steel Cooling Tower, Add	*26,493.13*	
23 65 13 16-0009	EA	200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	56,997.05	4,601.88
		For Stainless Steel Cooling Tower, Add	*29,763.89*	
23 65 13 16-0010	EA	225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	62,299.09	5,187.16
		For Stainless Steel Cooling Tower, Add	*32,380.50*	
23 65 13 16-0011	EA	250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	67,880.39	5,760.96
		For Stainless Steel Cooling Tower, Add	*35,171.54*	
23 65 13 16-0012	EA	275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	74,364.47	6,816.76
		For Stainless Steel Cooling Tower, Add	*38,049.81*	
23 65 13 16-0013	EA	300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	80,827.52	7,551.22
		For Stainless Steel Cooling Tower, Add	*41,211.54*	
23 65 13 16-0014	EA	325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	85,173.22	8,033.21
		For Stainless Steel Cooling Tower, Add	*43,392.05*	
23 65 13 16-0015	EA	350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	90,258.17	8,503.73
		For Stainless Steel Cooling Tower, Add	*45,954.14*	
23 65 13 16-0016	EA	375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	95,193.94	8,916.87
		For Stainless Steel Cooling Tower, Add	*48,516.23*	
23 65 13 16-0017	EA	400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	100,845.06	9,330.01
		For Stainless Steel Cooling Tower, Add	*51,514.43*	
23 65 13 16-0018	EA	425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	106,838.56	9,834.94
		For Stainless Steel Cooling Tower, Add	*54,621.65*	
23 65 13 16-0019	EA	450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	113,638.26	10,339.89
		For Stainless Steel Cooling Tower, Add	*58,219.48*	
23 65 13 16-0020	EA	475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	120,243.84	10,775.99
		For Stainless Steel Cooling Tower, Add	*61,762.80*	
23 65 13 16-0021	EA	500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	126,860.88	11,212.07
		For Stainless Steel Cooling Tower, Add	*65,306.12*	
23 65 13 16-0022	EA	550 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	139,417.89	11,682.59
		For Stainless Steel Cooling Tower, Add	*72,392.76*	
23 65 13 16-0023	EA	600 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	153,065.16	12,141.62
		For Stainless Steel Cooling Tower, Add	*80,133.55*	
23 65 13 16-0024	EA	650 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	158,608.22	12,394.10
		For Stainless Steel Cooling Tower, Add	*83,404.31*	
23 65 13 16-0025	EA	700 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	165,241.54	12,554.76
		For Stainless Steel Cooling Tower, Add	*87,329.22*	
23 65 13 16-0026	EA	750 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	172,974.67	13,197.42
		For Stainless Steel Cooling Tower, Add	*91,363.15*	
23 65 13 16-0027	EA	800 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	181,979.74	13,840.07
		For Stainless Steel Cooling Tower, Add	*96,160.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0028	EA	850 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	191,076.63	14,540.11
		For Stainless Steel Cooling Tower, Add	*100,957.37*	
23 65 13 16-0029	EA	900 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	201,627.17	15,240.15
		For Stainless Steel Cooling Tower, Add	*106,626.68*	
23 65 13 16-0030	EA	950 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	212,520.10	16,043.48
		For Stainless Steel Cooling Tower, Add	*112,405.03*	
23 65 13 16-0031	EA	1,000 Ton Blow-Thru Centrifugal Fan Type Cooling Tower	224,855.21	16,846.80
		For Stainless Steel Cooling Tower, Add	*119,055.56*	

23 65 14 Induced-Draft Cooling Towers *(23 65)*

23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers *(23 65 14 13)*

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA	10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	10,132.12	1,285.32
		For Polymer Coating Over Galvanized Components, Add	*1,230.62*	
		For Stainless Steel Support Structure, Add	*2,461.25*	
23 65 14 13-0003	EA	20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	12,009.93	1,388.60
		For Polymer Coating Over Galvanized Components, Add	*1,488.20*	
		For Stainless Steel Support Structure, Add	*2,976.39*	
23 65 14 13-0004	EA	30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	14,361.14	1,560.74
		For Polymer Coating Over Galvanized Components, Add	*1,803.00*	
		For Stainless Steel Support Structure, Add	*3,606.01*	
23 65 14 13-0005	EA	40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	15,937.69	1,721.40
		For Polymer Coating Over Galvanized Components, Add	*2,003.34*	
		For Stainless Steel Support Structure, Add	*4,006.68*	
23 65 14 13-0006	EA	50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	18,884.24	1,905.02
		For Polymer Coating Over Galvanized Components, Add	*2,404.01*	
		For Stainless Steel Support Structure, Add	*4,808.01*	
23 65 14 13-0007	EA	60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	21,972.89	2,054.21
		For Polymer Coating Over Galvanized Components, Add	*2,834.60*	
		For Stainless Steel Support Structure, Add	*5,669.20*	
23 65 14 13-0008	EA	75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	25,227.78	2,329.63
		For Polymer Coating Over Galvanized Components, Add	*3,262.58*	
		For Stainless Steel Support Structure, Add	*6,525.16*	
23 65 14 13-0009	EA	100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	31,416.35	2,926.38
		For Polymer Coating Over Galvanized Components, Add	*4,006.68*	
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0010	EA	125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	34,256.72	3,270.67
		For Polymer Coating Over Galvanized Components, Add	*4,350.11*	
		For Stainless Steel Support Structure, Add	*8,700.21*	
23 65 14 13-0011	EA	150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	52,324.87	3,683.81
		For Polymer Coating Over Galvanized Components, Add	*6,960.49*	
		For Stainless Steel Support Structure, Add	*13,920.98*	
23 65 14 13-0012	EA	200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	63,315.98	4,601.88
		For Polymer Coating Over Galvanized Components, Add	*8,388.81*	
		For Stainless Steel Support Structure, Add	*16,777.63*	
23 65 14 13-0013	EA	300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower	81,906.51	7,551.22
		For Polymer Coating Over Galvanized Components, Add	*10,464.73*	
		For Stainless Steel Support Structure, Add	*20,929.47*	

23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers *(23 65 14 13)*

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA	100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	31,416.35	2,926.38
		For Polymer Coating Over Galvanized Components, Add	*4,006.68*	
		For Stainless Steel Support Structure, Add	*8,013.35*	
23 65 14 13-0016	EA	150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	41,854.52	3,683.81
		For Polymer Coating Over Galvanized Components, Add	*5,389.94*	
		For Stainless Steel Support Structure, Add	*10,779.87*	
23 65 14 13-0017	EA	200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	53,181.16	4,601.88
		For Polymer Coating Over Galvanized Components, Add	*6,868.59*	
		For Stainless Steel Support Structure, Add	*13,737.18*	
23 65 14 13-0018	EA	250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	63,101.45	5,760.96
		For Polymer Coating Over Galvanized Components, Add	*8,076.05*	
		For Stainless Steel Support Structure, Add	*16,152.09*	
23 65 14 13-0019	EA	300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	74,985.59	7,551.22
		For Polymer Coating Over Galvanized Components, Add	*9,426.60*	
		For Stainless Steel Support Structure, Add	*18,853.19*	
23 65 14 13-0020	EA	350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	83,580.38	8,503.73
		For Polymer Coating Over Galvanized Components, Add	*10,486.87*	
		For Stainless Steel Support Structure, Add	*20,973.73*	
23 65 14 13-0021	EA	400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	93,213.29	9,330.01
		For Polymer Coating Over Galvanized Components, Add	*11,733.84*	
		For Stainless Steel Support Structure, Add	*23,467.68*	
23 65 14 13-0022	EA	450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	105,643.07	10,339.89
		For Polymer Coating Over Galvanized Components, Add	*13,355.59*	
		For Stainless Steel Support Structure, Add	*26,711.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0023	EA	500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	119,138.26	11,212.07
		For Polymer Coating Over Galvanized Components, Add	*15,168.14*	
		For Stainless Steel Support Structure, Add	*30,336.27*	
23 65 14 13-0024	EA	550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	127,606.82	11,820.30
		For Polymer Coating Over Galvanized Components, Add	*16,326.53*	
		For Stainless Steel Support Structure, Add	*32,653.06*	
23 65 14 13-0025	EA	600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	136,760.44	12,141.62
		For Polymer Coating Over Galvanized Components, Add	*17,587.68*	
		For Stainless Steel Support Structure, Add	*35,175.36*	
23 65 14 13-0026	EA	700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	155,156.70	12,554.76
		For Polymer Coating Over Galvanized Components, Add	*20,319.58*	
		For Stainless Steel Support Structure, Add	*40,639.16*	
23 65 14 13-0027	EA	800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	170,168.67	13,840.07
		For Polymer Coating Over Galvanized Components, Add	*22,268.41*	
		For Stainless Steel Support Structure, Add	*44,536.81*	
23 65 14 13-0028	EA	900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower	187,999.02	15,240.15
		For Polymer Coating Over Galvanized Components, Add	*24,612.45*	
		For Stainless Steel Support Structure, Add	*49,224.90*	

23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers *(23 65 14)*

23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers *(23 65 14 14)*

Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.

23 65 14 14-0002	EA	10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	8,438.11	1,285.32
		For Polymer Coating Over Galvanized Components, Add	*976.52*	
		For Stainless Steel Support Structure, Add	*1,953.04*	
23 65 14 14-0003	EA	15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,103.70	1,308.26
		For Polymer Coating Over Galvanized Components, Add	*1,072.92*	
		For Stainless Steel Support Structure, Add	*2,145.83*	
23 65 14 14-0004	EA	20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	9,902.00	1,423.02
		For Polymer Coating Over Galvanized Components, Add	*1,165.12*	
		For Stainless Steel Support Structure, Add	*2,330.24*	
23 65 14 14-0005	EA	25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	11,569.96	1,491.88
		For Polymer Coating Over Galvanized Components, Add	*1,399.82*	
		For Stainless Steel Support Structure, Add	*2,799.64*	
23 65 14 14-0006	EA	30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	13,098.20	1,560.74
		For Polymer Coating Over Galvanized Components, Add	*1,613.56*	
		For Stainless Steel Support Structure, Add	*3,227.13*	
23 65 14 14-0007	EA	35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	14,593.52	1,641.07
		For Polymer Coating Over Galvanized Components, Add	*1,818.93*	
		For Stainless Steel Support Structure, Add	*3,637.85*	
23 65 14 14-0008	EA	40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	15,965.60	1,721.40
		For Polymer Coating Over Galvanized Components, Add	*2,007.53*	
		For Stainless Steel Support Structure, Add	*4,015.05*	
23 65 14 14-0009	EA	45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	17,488.86	1,813.21
		For Polymer Coating Over Galvanized Components, Add	*2,217.08*	
		For Stainless Steel Support Structure, Add	*4,434.16*	
23 65 14 14-0010	EA	50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	18,979.20	1,905.02
		For Polymer Coating Over Galvanized Components, Add	*2,418.25*	
		For Stainless Steel Support Structure, Add	*4,836.50*	
23 65 14 14-0011	EA	60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	21,907.47	2,054.21
		For Polymer Coating Over Galvanized Components, Add	*2,824.79*	
		For Stainless Steel Support Structure, Add	*5,649.57*	
23 65 14 14-0012	EA	70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	25,082.22	2,214.87
		For Polymer Coating Over Galvanized Components, Add	*3,264.85*	
		For Stainless Steel Support Structure, Add	*6,529.70*	
23 65 14 14-0013	EA	75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	26,556.09	2,329.63
		For Polymer Coating Over Galvanized Components, Add	*3,461.83*	
		For Stainless Steel Support Structure, Add	*6,923.66*	
23 65 14 14-0014	EA	80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	28,167.67	2,524.73
		For Polymer Coating Over Galvanized Components, Add	*3,658.81*	
		For Stainless Steel Support Structure, Add	*7,317.62*	
23 65 14 14-0015	EA	90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	29,360.14	2,719.82
		For Polymer Coating Over Galvanized Components, Add	*3,792.92*	
		For Stainless Steel Support Structure, Add	*7,585.85*	
23 65 14 14-0016	EA	100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	31,583.93	2,926.38
		For Polymer Coating Over Galvanized Components, Add	*4,031.81*	
		For Stainless Steel Support Structure, Add	*8,063.63*	
23 65 14 14-0017	EA	125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	32,889.16	3,270.67
		For Polymer Coating Over Galvanized Components, Add	*4,144.97*	
		For Stainless Steel Support Structure, Add	*8,289.95*	
23 65 14 14-0018	EA	150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	38,192.90	3,683.81
		For Polymer Coating Over Galvanized Components, Add	*4,840.69*	
		For Stainless Steel Support Structure, Add	*9,681.38*	
23 65 14 14-0019	EA	175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	42,201.40	4,131.37
		For Polymer Coating Over Galvanized Components, Add	*5,335.24*	
		For Stainless Steel Support Structure, Add	*10,670.48*	
23 65 14 14-0020	EA	200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	44,439.66	4,601.88
		For Polymer Coating Over Galvanized Components, Add	*5,557.37*	
		For Stainless Steel Support Structure, Add	*11,114.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0021	EA	225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	51,359.96	5,187.16
		For Polymer Coating Over Galvanized Components, Add	*6,454.26*	
		For Stainless Steel Support Structure, Add	*12,908.51*	
23 65 14 14-0022	EA	250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	56,312.95	5,760.96
		For Polymer Coating Over Galvanized Components, Add	*7,057.77*	
		For Stainless Steel Support Structure, Add	*14,115.54*	
23 65 14 14-0023	EA	275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	60,263.10	6,816.76
		For Polymer Coating Over Galvanized Components, Add	*7,397.25*	
		For Stainless Steel Support Structure, Add	*14,794.49*	
23 65 14 14-0024	EA	300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	65,032.99	7,551.22
		For Polymer Coating Over Galvanized Components, Add	*7,933.71*	
		For Stainless Steel Support Structure, Add	*15,867.41*	
23 65 14 14-0025	EA	350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	74,326.77	8,503.73
		For Polymer Coating Over Galvanized Components, Add	*9,098.82*	
		For Stainless Steel Support Structure, Add	*18,197.65*	
23 65 14 14-0026	EA	400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	81,933.12	9,330.01
		For Polymer Coating Over Galvanized Components, Add	*10,041.82*	
		For Stainless Steel Support Structure, Add	*20,083.63*	
23 65 14 14-0027	EA	450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	90,564.29	10,339.89
		For Polymer Coating Over Galvanized Components, Add	*11,093.78*	
		For Stainless Steel Support Structure, Add	*22,187.55*	
23 65 14 14-0028	EA	500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	98,681.57	11,212.07
		For Polymer Coating Over Galvanized Components, Add	*12,099.63*	
		For Stainless Steel Support Structure, Add	*24,199.27*	
23 65 14 14-0029	EA	600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	112,746.69	12,141.62
		For Polymer Coating Over Galvanized Components, Add	*13,985.62*	
		For Stainless Steel Support Structure, Add	*27,971.24*	
23 65 14 14-0030	EA	700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	126,369.67	12,554.76
		For Polymer Coating Over Galvanized Components, Add	*16,001.52*	
		For Stainless Steel Support Structure, Add	*32,003.05*	
23 65 14 14-0031	EA	800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	141,242.09	13,840.07
		For Polymer Coating Over Galvanized Components, Add	*17,929.42*	
		For Stainless Steel Support Structure, Add	*35,858.84*	
23 65 14 14-0032	EA	900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	155,683.43	15,240.15
		For Polymer Coating Over Galvanized Components, Add	*19,765.11*	
		For Stainless Steel Support Structure, Add	*39,530.22*	
23 65 14 14-0033	EA	1,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	169,847.86	16,846.80
		For Polymer Coating Over Galvanized Components, Add	*21,512.79*	
		For Stainless Steel Support Structure, Add	*43,025.58*	
23 65 14 14-0034	EA	1,100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	185,846.33	17,661.60
		For Polymer Coating Over Galvanized Components, Add	*23,721.48*	
		For Stainless Steel Support Structure, Add	*47,442.97*	
23 65 14 14-0035	EA	1,200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	201,273.05	18,419.01
		For Polymer Coating Over Galvanized Components, Add	*25,854.74*	
		For Stainless Steel Support Structure, Add	*51,709.48*	
23 65 14 14-0036	EA	1,300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	214,117.78	20,002.70
		For Polymer Coating Over Galvanized Components, Add	*27,409.63*	
		For Stainless Steel Support Structure, Add	*54,819.26*	
23 65 14 14-0037	EA	1,400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	226,559.39	21,701.16
		For Polymer Coating Over Galvanized Components, Add	*28,876.51*	
		For Stainless Steel Support Structure, Add	*57,753.01*	
23 65 14 14-0038	EA	1,500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	238,563.46	23,491.40
		For Polymer Coating Over Galvanized Components, Add	*30,255.37*	
		For Stainless Steel Support Structure, Add	*60,510.74*	
23 65 14 14-0039	EA	1,600 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	249,637.98	25,109.53
		For Polymer Coating Over Galvanized Components, Add	*31,537.84*	
		For Stainless Steel Support Structure, Add	*63,075.68*	
23 65 14 14-0040	EA	1,700 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	260,476.50	26,957.16
		For Polymer Coating Over Galvanized Components, Add	*32,728.10*	
		For Stainless Steel Support Structure, Add	*65,456.21*	
23 65 14 14-0041	EA	1,800 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	271,187.29	29,091.72
		For Polymer Coating Over Galvanized Components, Add	*33,830.36*	
		For Stainless Steel Support Structure, Add	*67,660.72*	
23 65 14 14-0042	EA	1,900 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	281,244.05	31,226.24
		For Polymer Coating Over Galvanized Components, Add	*34,836.22*	
		For Stainless Steel Support Structure, Add	*69,672.43*	
23 65 14 14-0043	EA	2,000 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower	291,930.49	34,141.17
		For Polymer Coating Over Galvanized Components, Add	*35,754.06*	
		For Stainless Steel Support Structure, Add	*71,508.12*	

23 65 14 14-0044 Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers *(23 65 14 14)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.

23 65 14 14-0045	EA	100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	95,183.78	2,926.38
		For Induced Draft Counter Flow Type, Add	*4,523.93*	
23 65 14 14-0046	EA	125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	107,890.02	3,247.71
		For Induced Draft Counter Flow Type, Add	*5,131.70*	
23 65 14 14-0047	EA	150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	117,897.19	3,683.81
		For Induced Draft Counter Flow Type, Add	*5,598.78*	
23 65 14 14-0048	EA	200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	130,995.71	4,601.88
		For Induced Draft Counter Flow Type, Add	*6,180.26*	
23 65 14 14-0049	EA	250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	148,304.51	5,760.96
		For Induced Draft Counter Flow Type, Add	*6,952.17*	
23 65 14 14-0050	EA	300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	170,147.59	7,551.22
		For Induced Draft Counter Flow Type, Add	*7,900.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0051	EA	350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	185,335.71	8,503.73
		For Induced Draft Counter Flow Type, Add	*8,583.39*	
23 65 14 14-0052	EA	400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	200,317.24	9,330.01
		For Induced Draft Counter Flow Type, Add	*9,266.48*	
23 65 14 14-0053	EA	500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	231,148.95	11,212.07
		For Induced Draft Counter Flow Type, Add	*10,656.58*	
23 65 14 14-0054	EA	600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	261,157.79	12,141.62
		For Induced Draft Counter Flow Type, Add	*12,082.43*	
23 65 14 14-0055	EA	750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	323,620.53	13,197.42
		For Induced Draft Counter Flow Type, Add	*15,090.81*	
23 65 14 14-0056	EA	1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower	420,208.79	16,846.80
		For Induced Draft Counter Flow Type, Add	*19,688.98*	

23 65 14 16 Closed-Circuit, Induced-Draft Counterflow Cooling Towers *(23 65 14)*

23 65 14 16-0001 Stainless Steel Packaged Propeller Type Cooling Towers *(23 65 14 16)*

Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.

23 65 14 16-0002 Draw-Thru Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.

23 65 14 16-0003	EA	50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	39,930.07	1,905.02
23 65 14 16-0004	EA	75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	56,798.04	2,329.63
23 65 14 16-0005	EA	100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	66,893.82	2,926.38
23 65 14 16-0006	EA	125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	75,838.80	3,270.67
23 65 14 16-0007	EA	150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	83,183.72	3,683.81
23 65 14 16-0008	EA	200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	99,726.11	4,601.88
23 65 14 16-0009	EA	250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	117,323.88	5,760.96
23 65 14 16-0010	EA	300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	138,991.68	7,551.22
23 65 14 16-0011	EA	350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	152,133.37	8,503.73
23 65 14 16-0012	EA	400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	172,519.94	9,330.01
23 65 14 16-0013	EA	500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	199,936.20	11,212.07
23 65 14 16-0014	EA	600 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	225,772.05	12,141.62
23 65 14 16-0015	EA	750 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	279,422.14	13,197.42
23 65 14 16-0016	EA	1,000 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower	356,013.00	16,663.18

23 65 14 16-0017 Belt Driven Stainless Steel Propeller Type Cooling Towers *(23 65 14 16-0001)*

Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.

23 65 14 16-0018	EA	100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	69,693.44	2,926.38
23 65 14 16-0019	EA	125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	75,402.99	3,270.67
23 65 14 16-0020	EA	150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	81,232.04	3,683.81
23 65 14 16-0021	EA	200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	96,035.91	4,601.88
23 65 14 16-0022	EA	250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower	105,770.09	5,760.96

23 65 14 16-0023 Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers *(23 65 14 16)*

Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 16-0024	EA	5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,730.46	1,193.51
23 65 14 16-0025	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	4,979.49	1,250.89
23 65 14 16-0026	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	5,795.83	1,285.32
23 65 14 16-0027	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	6,557.77	1,308.26
23 65 14 16-0028	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	8,596.69	1,423.02
23 65 14 16-0029	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	9,093.06	1,491.88
23 65 14 16-0030	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	10,281.23	1,560.74
23 65 14 16-0031	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	11,858.67	1,721.40
23 65 14 16-0032	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	13,234.71	1,905.02
23 65 14 16-0033	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	14,836.37	2,054.21
23 65 14 16-0034	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	17,121.36	2,214.87
23 65 14 16-0035	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	18,633.85	2,524.73
23 65 14 16-0036	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	22,551.51	2,926.38
23 65 14 16-0037	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	27,897.13	3,270.67
23 65 14 16-0038	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	31,329.99	3,683.81
23 65 14 16-0039	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	38,063.42	4,131.37
23 65 14 16-0040	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	42,452.85	4,601.88
23 65 14 16-0041	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	46,915.83	5,187.16
23 65 14 16-0042	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	51,178.67	5,760.96
23 65 14 16-0043	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	61,276.00	7,551.22
23 65 14 16-0044	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	69,641.82	8,503.73
23 65 14 16-0045	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	77,407.99	9,330.01
23 65 14 16-0046	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	94,116.67	10,982.56
23 65 14 16-0047	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	107,558.04	12,141.62
23 65 14 16-0048	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	114,127.62	9,330.01
23 65 14 16-0049	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	130,452.90	13,840.07
23 65 14 16-0050	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower	149,252.71	11,533.40

23 65 43 Cooling Tower Basins and Accessories *(23 65)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 43 00-0001		Fiberglass Cooling Tower Remote Sump Basins *(23 65 43)*		
		Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.		
23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,372.99	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,553.70	
		For Anti-Flotation Flanges, Add	*115.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,526.30	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,788.39	
		For Anti-Flotation Flanges, Add	*253.00*	
		For Perforated Basins, Add	*80.00*	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	1,939.12	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,152.83	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,366.54	
		For Anti-Flotation Flanges, Add	*276.00*	
		For Perforated Basins, Add	*100.00*	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,396.09	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	2,648.77	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,019.22	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,392.64	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin	3,639.32	
		For Anti-Flotation Flanges, Add	*294.00*	
		For Perforated Basins, Add	*140.00*	

23 70 Central HVAC Equipment *(23)*

Note: New air filters shall be provided on HVAC equipment prior to turning over to owner. Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 71 Thermal Storage *(23 70)*

23 71 13 Thermal Heat Storage *(23 71)*

23 71 13 23 Pressurized-Water Thermal Storage Tanks *(23 71 13)*

23 71 13 23-0001		Nickelshield Storage Tanks *(23 71 13 23)*		
23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank	30,887.27	217.65
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank	43,104.18	288.57
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank	49,346.49	349.02
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank	58,425.14	436.27
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank	67,968.14	579.96
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank	87,807.95	872.66
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank	99,158.09	982.90
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank	136,174.31	1,305.56
23 71 13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank	176,212.41	1,517.76

23 72 Air-To-Air Energy Recovery Equipment *(23 70)*

23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 13 00-0001		Enthalpy Recovery Wheel *(23 72 13)*		
23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel	10,948.71	819.44
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel	12,154.16	983.58
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel	15,208.80	1,229.48
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel	17,785.60	1,404.67
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel	19,679.75	1,475.37
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel	23,919.47	1,639.50
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel	31,774.97	1,721.26
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel	39,578.35	1,844.21
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel	47,930.06	2,107.32
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel	53,712.42	2,704.84
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel	71,987.85	3,073.69
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel	85,623.98	3,688.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment *(23 72)*

23 72 16 00-0001 Glycol Heat Pipe Type, 50 Percent Efficient *(23 72 16)*

23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit	19,742.03	614.73
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit	31,041.59	819.69
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit	46,017.90	1,229.48

23 73 Indoor Central-Station Air-Handling Units *(23 70)*

23 73 13 Modular Indoor Central-Station Air-Handling Units *(23 73)*

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001 Single Zone Units *(23 73 13)*

Note: Horizontal/vertical draw-thru fan, motor and cabinet.

23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	2,780.53	624.39
		For Flat Filter Box And Throwaway Filters, Add	*233.45*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*440.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*655.76*	
		For Manual Roll Filter, Add	*1,127.90*	
		For Automatic Roll Filter, Add	*1,222.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*561.33*	
		For Electric Heating Coil, Add	*939.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*939.04*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*844.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*750.19*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*611.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,127.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,033.47*	
		For Hot Water Heating Coil, Copper Fins, Add	*750.19*	
		For Variable Air Volume, Add	*264.40*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,264.39*	
		For 2 Coils, Independent Circuits, Add	*315.82*	
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,410.80	749.28
		For Flat Filter Box And Throwaway Filters, Add	*387.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*743.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,109.33*	
		For Manual Roll Filter, Add	*1,944.65*	
		For Automatic Roll Filter, Add	*2,111.72*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*942.27*	
		For Electric Heating Coil, Add	*1,610.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,610.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,443.46*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,276.40*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,055.86*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*1,944.65*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*1,777.59*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,276.40*	
		For Variable Air Volume, Add	*467.78*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,388.67*	
		For 2 Coils, Independent Circuits, Add	*507.91*	
23 73 13 00-0004	EA	800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	4,989.39	804.69
		For Flat Filter Box And Throwaway Filters, Add	*441.47*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*848.45*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,266.92*	
		For Manual Roll Filter, Add	*2,226.90*	
		For Automatic Roll Filter, Add	*2,418.89*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,074.93*	
		For Electric Heating Coil, Add	*1,842.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*1,842.91*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,650.91*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,458.92*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,209.45*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,226.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,034.90*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,458.92*	
		For Variable Air Volume, Add	*537.59*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,444.64*	
		For 2 Coils, Independent Circuits, Add	*575.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0005	EA	1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	5,632.89	864.68
		For Flat Filter Box And Throwaway Filters, Add	*501.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*965.97*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,442.78*	
		For Manual Roll Filter, Add	*2,542.14*	
		For Automatic Roll Filter, Add	*2,762.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,222.91*	
		For Electric Heating Coil, Add	*2,102.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,102.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*1,882.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,662.65*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,381.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,542.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,322.27*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,662.65*	
		For Variable Air Volume, Add	*615.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,504.82*	
		For 2 Coils, Independent Circuits, Add	*651.24*	
23 73 13 00-0006	EA	1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	6,392.28	930.23
		For Flat Filter Box And Throwaway Filters, Add	*572.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,105.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,652.21*	
		For Manual Roll Filter, Add	*2,918.44*	
		For Automatic Roll Filter, Add	*3,171.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,398.96*	
		For Electric Heating Coil, Add	*2,411.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,411.95*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,158.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*1,905.46*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,585.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*2,918.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*2,665.19*	
		For Hot Water Heating Coil, Copper Fins, Add	*1,905.46*	
		For Variable Air Volume, Add	*709.09*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,569.16*	
		For 2 Coils, Independent Circuits, Add	*740.53*	
23 73 13 00-0007	EA	1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,278.27	999.70
		For Flat Filter Box And Throwaway Filters, Add	*656.42*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,270.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,897.86*	
		For Manual Roll Filter, Add	*3,360.40*	
		For Automatic Roll Filter, Add	*3,652.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,605.35*	
		For Electric Heating Coil, Add	*2,775.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*2,775.39*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,482.88*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,190.37*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*1,826.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,360.40*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,067.90*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,190.37*	
		For Variable Air Volume, Add	*819.02*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,639.67*	
		For 2 Coils, Independent Circuits, Add	*844.83*	
23 73 13 00-0008	EA	1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	7,971.22	1,074.73
		For Flat Filter Box And Throwaway Filters, Add	*720.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,395.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,084.94*	
		For Manual Roll Filter, Add	*3,694.72*	
		For Automatic Roll Filter, Add	*4,016.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,762.99*	
		For Electric Heating Coil, Add	*3,050.81*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,050.81*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,728.86*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,406.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,008.34*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,694.72*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,372.77*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,406.90*	
		For Variable Air Volume, Add	*901.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,712.48*	
		For 2 Coils, Independent Circuits, Add	*925.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009	EA	1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	8,721.61	1,158.25
		For Flat Filter Box And Throwaway Filters, Add	*789.45*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,529.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,285.63*	
		For Manual Roll Filter, Add	*4,052.46*	
		For Automatic Roll Filter, Add	*4,405.82*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,932.26*	
		For Electric Heating Coil, Add	*3,345.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,345.72*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*2,992.36*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,638.99*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,202.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,052.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,699.09*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,638.99*	
		For Variable Air Volume, Add	*989.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,659.86*	
		For 2 Coils, Independent Circuits, Add	*1,013.51*	
23 73 13 00-0010	EA	2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	9,548.10	1,241.76
		For Flat Filter Box And Throwaway Filters, Add	*866.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,678.99*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,509.62*	
		For Manual Roll Filter, Add	*4,453.13*	
		For Automatic Roll Filter, Add	*4,841.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,120.92*	
		For Electric Heating Coil, Add	*3,675.73*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,675.73*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,287.03*	
		For Steam Heating Coil, Aluminum Fins, Add	*2,898.32*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,420.92*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,453.13*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,064.43*	
		For Hot Water Heating Coil, Copper Fins, Add	*2,898.32*	
		For Variable Air Volume, Add	*1,088.37*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,725.73*	
		For 2 Coils, Independent Circuits, Add	*1,110.29*	
23 73 13 00-0011	EA	2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	10,309.04	1,334.75
		For Flat Filter Box And Throwaway Filters, Add	*935.57*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,813.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,711.36*	
		For Manual Roll Filter, Add	*4,811.92*	
		For Automatic Roll Filter, Add	*5,232.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,291.24*	
		For Electric Heating Coil, Add	*3,971.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,971.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,551.58*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,131.47*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,616.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,811.92*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,391.81*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,131.47*	
		For Variable Air Volume, Add	*1,176.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,798.73*	
		For 2 Coils, Independent Circuits, Add	*1,198.95*	
23 73 13 00-0012	EA	2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	11,121.23	1,436.21
		For Flat Filter Box And Throwaway Filters, Add	*1,009.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,957.55*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,926.07*	
		For Manual Roll Filter, Add	*5,193.50*	
		For Automatic Roll Filter, Add	*5,646.99*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,472.58*	
		For Electric Heating Coil, Add	*4,286.53*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,286.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,833.04*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,379.56*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,823.49*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,193.50*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,740.02*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,379.56*	
		For Variable Air Volume, Add	*1,269.76*	
		For Economizer, Panel, Controls And Damper(s), Add	*1,878.33*	
		For 2 Coils, Independent Circuits, Add	*1,293.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0013	EA	3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	12,936.57	1,662.45
		For Flat Filter Box And Throwaway Filters, Add	*1,174.91*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,278.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,406.00*	
		For Manual Roll Filter, Add	*6,046.43*	
		For Automatic Roll Filter, Add	*6,574.52*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,877.92*	
		For Electric Heating Coil, Add	*4,990.26*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,990.26*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,462.17*	
		For Steam Heating Coil, Aluminum Fins, Add	*3,934.09*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,287.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,046.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,518.35*	
		For Hot Water Heating Coil, Copper Fins, Add	*3,934.09*	
		For Variable Air Volume, Add	*1,478.64*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,056.17*	
		For 2 Coils, Independent Circuits, Add	*1,504.89*	
23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,546.54	1,786.55
		For Flat Filter Box And Throwaway Filters, Add	*1,227.01*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,377.43*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,553.38*	
		For Manual Roll Filter, Add	*6,301.78*	
		For Automatic Roll Filter, Add	*6,851.46*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,003.70*	
		For Electric Heating Coil, Add	*5,202.42*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,202.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,652.74*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,103.06*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,425.73*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,301.78*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,752.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,103.06*	
		For Variable Air Volume, Add	*1,539.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,154.11*	
		For 2 Coils, Independent Circuits, Add	*1,574.53*	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,168.40	1,920.02
		For Flat Filter Box And Throwaway Filters, Add	*1,279.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,477.10*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,701.94*	
		For Manual Roll Filter, Add	*6,558.32*	
		For Automatic Roll Filter, Add	*7,129.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,130.67*	
		For Electric Heating Coil, Add	*5,415.77*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,415.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,844.49*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,273.22*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,564.80*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,558.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,987.04*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,273.22*	
		For Variable Air Volume, Add	*1,599.57*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,258.60*	
		For 2 Coils, Independent Circuits, Add	*1,645.35*	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,535.40	2,216.60
		For Flat Filter Box And Throwaway Filters, Add	*1,395.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,695.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,027.10*	
		For Manual Roll Filter, Add	*7,119.05*	
		For Automatic Roll Filter, Add	*7,737.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,408.71*	
		For Electric Heating Coil, Add	*5,882.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,882.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,263.88*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,645.49*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,868.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,119.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,500.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,645.49*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,207.04*	
		For 2 Coils, Independent Circuits, Add	*1,800.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,535.40	2,216.60
		For Flat Filter Box And Throwaway Filters, Add	*1,395.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,695.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,027.10*	
		For Manual Roll Filter, Add	*7,119.05*	
		For Automatic Roll Filter, Add	*7,737.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,408.71*	
		For Electric Heating Coil, Add	*5,882.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,882.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,263.88*	
		For Steam Heating Coil, Aluminum Fins, Add	*4,645.49*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*3,868.72*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,119.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,500.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*4,645.49*	
		For Variable Air Volume, Add	*1,731.49*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,207.04*	
		For 2 Coils, Independent Circuits, Add	*1,800.90*	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,026.45	2,545.97
		For Flat Filter Box And Throwaway Filters, Add	*1,520.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,932.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,380.37*	
		For Manual Roll Filter, Add	*7,727.53*	
		For Automatic Roll Filter, Add	*8,396.97*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,710.94*	
		For Electric Heating Coil, Add	*6,388.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,388.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,719.24*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,049.81*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,198.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,727.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,058.10*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,049.81*	
		For Variable Air Volume, Add	*1,874.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,395.12*	
		For 2 Coils, Independent Circuits, Add	*1,970.42*	
23 73 13 00-0019	EA	5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,885.19	2,762.16
		For Flat Filter Box And Throwaway Filters, Add	*1,591.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,063.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,576.18*	
		For Manual Roll Filter, Add	*8,060.76*	
		For Automatic Roll Filter, Add	*8,757.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,879.27*	
		For Electric Heating Coil, Add	*6,666.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,666.93*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,970.02*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,273.10*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,378.84*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,060.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,363.85*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,273.10*	
		For Variable Air Volume, Add	*1,951.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,518.75*	
		For 2 Coils, Independent Circuits, Add	*2,067.29*	
23 73 13 00-0020	EA	6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	18,727.51	2,967.44
		For Flat Filter Box And Throwaway Filters, Add	*1,660.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,194.37*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,770.35*	
		For Manual Roll Filter, Add	*8,392.35*	
		For Automatic Roll Filter, Add	*9,116.75*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,045.95*	
		For Electric Heating Coil, Add	*6,943.55*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,943.55*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,219.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,494.75*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,558.38*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,392.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,667.95*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,494.75*	
		For Variable Air Volume, Add	*2,028.32*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,635.80*	
		For 2 Coils, Independent Circuits, Add	*2,162.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0021	EA	6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	19,574.77	3,176.61
		For Flat Filter Box And Throwaway Filters, Add	*1,730.62*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,325.13*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,965.01*	
		For Manual Roll Filter, Add	*8,724.43*	
		For Automatic Roll Filter, Add	*9,476.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,213.13*	
		For Electric Heating Coil, Add	*7,220.67*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,220.67*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,468.78*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,716.90*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,738.16*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,724.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,972.55*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,716.90*	
		For Variable Air Volume, Add	*2,105.28*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,754.84*	
		For 2 Coils, Independent Circuits, Add	*2,258.23*	
23 73 13 00-0022	EA	7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	20,550.84	3,419.34
		For Flat Filter Box And Throwaway Filters, Add	*1,810.84*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,475.12*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,188.26*	
		For Manual Roll Filter, Add	*9,104.73*	
		For Automatic Roll Filter, Add	*9,888.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,404.97*	
		For Electric Heating Coil, Add	*7,538.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,538.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,754.85*	
		For Steam Heating Coil, Aluminum Fins, Add	*5,971.56*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,944.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,104.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,321.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*5,971.56*	
		For Variable Air Volume, Add	*2,193.22*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,893.98*	
		For 2 Coils, Independent Circuits, Add	*2,368.40*	
23 73 13 00-0023	EA	7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	21,541.12	3,663.63
		For Flat Filter Box And Throwaway Filters, Add	*1,891.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,626.11*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,412.93*	
		For Manual Roll Filter, Add	*9,486.46*	
		For Automatic Roll Filter, Add	*10,301.16*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,598.23*	
		For Electric Heating Coil, Add	*7,857.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,857.05*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,042.34*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,227.64*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,150.58*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,486.46*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,671.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,227.64*	
		For Variable Air Volume, Add	*2,281.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,754.11*	
		For 2 Coils, Independent Circuits, Add	*2,479.99*	
23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	22,560.68	3,945.28
		For Flat Filter Box And Throwaway Filters, Add	*1,974.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,779.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,640.53*	
		For Manual Roll Filter, Add	*9,871.10*	
		For Automatic Roll Filter, Add	*10,717.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,794.41*	
		For Electric Heating Coil, Add	*8,178.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,178.87*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,332.76*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,486.64*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,358.61*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,871.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,024.99*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,486.64*	
		For Variable Air Volume, Add	*2,369.12*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,871.51*	
		For 2 Coils, Independent Circuits, Add	*2,594.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,721.88	4,273.99
		For Flat Filter Box And Throwaway Filters, Add	*2,067.55*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,952.31*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,898.00*	
		For Manual Roll Filter, Add	*10,305.26*	
		For Automatic Roll Filter, Add	*11,186.71*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,016.54*	
		For Electric Heating Coil, Add	*8,542.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,542.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,660.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*6,779.45*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,593.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,305.26*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,423.80*	
		For Hot Water Heating Coil, Copper Fins, Add	*6,779.45*	
		For Variable Air Volume, Add	*2,468.07*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,007.85*	
		For 2 Coils, Independent Circuits, Add	*2,724.77*	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,856.18	4,563.21
		For Flat Filter Box And Throwaway Filters, Add	*2,159.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,123.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,152.77*	
		For Manual Roll Filter, Add	*10,736.71*	
		For Automatic Roll Filter, Add	*11,653.50*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,235.98*	
		For Electric Heating Coil, Add	*8,903.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,903.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,986.35*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,069.56*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,826.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,736.71*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,819.93*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,069.56*	
		For Variable Air Volume, Add	*2,567.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,136.12*	
		For 2 Coils, Independent Circuits, Add	*2,852.33*	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,979.62	4,418.37
		For Flat Filter Box And Throwaway Filters, Add	*2,183.44*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,178.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,235.79*	
		For Manual Roll Filter, Add	*10,908.07*	
		For Automatic Roll Filter, Add	*11,842.53*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,301.33*	
		For Electric Heating Coil, Add	*9,039.16*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,039.16*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,104.70*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,170.24*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,921.26*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,908.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,973.61*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,170.24*	
		For Variable Air Volume, Add	*2,616.48*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,067.15*	
		For 2 Coils, Independent Circuits, Add	*2,871.74*	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,044.01	4,902.06
		For Flat Filter Box And Throwaway Filters, Add	*2,254.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,298.61*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,412.90*	
		For Manual Roll Filter, Add	*11,173.53*	
		For Automatic Roll Filter, Add	*12,125.65*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,460.78*	
		For Electric Heating Coil, Add	*9,269.28*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,269.28*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,317.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,365.03*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,062.83*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,173.53*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,221.40*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,365.03*	
		For Variable Air Volume, Add	*2,665.95*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,280.45*	
		For 2 Coils, Independent Circuits, Add	*2,985.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA	13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	27,433.09	5,098.96
		For Flat Filter Box And Throwaway Filters, Add	*2,380.71*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,543.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,779.53*	
		For Manual Roll Filter, Add	*11,824.81*	
		For Automatic Roll Filter, Add	*12,833.87*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,770.48*	
		For Electric Heating Coil, Add	*9,806.70*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,806.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,797.65*	
		For Steam Heating Coil, Aluminum Fins, Add	*7,788.59*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,416.93*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,824.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,815.76*	
		For Hot Water Heating Coil, Copper Fins, Add	*7,788.59*	
		For Variable Air Volume, Add	*2,825.36*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,850.39*	
		For 2 Coils, Independent Circuits, Add	*3,146.93*	
23 73 13 00-0030	EA	15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	28,891.84	5,296.43
		For Flat Filter Box And Throwaway Filters, Add	*2,510.58*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,794.00*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,153.13*	
		For Manual Roll Filter, Add	*12,483.07*	
		For Automatic Roll Filter, Add	*13,549.06*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,087.15*	
		For Electric Heating Coil, Add	*10,351.10*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,351.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,285.11*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,219.12*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,774.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,483.07*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,417.08*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,219.12*	
		For Variable Air Volume, Add	*2,984.77*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,914.42*	
		For 2 Coils, Independent Circuits, Add	*3,315.58*	
23 73 13 00-0031	EA	16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	30,442.96	5,500.13
		For Flat Filter Box And Throwaway Filters, Add	*2,652.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,071.01*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,567.38*	
		For Manual Roll Filter, Add	*13,221.24*	
		For Automatic Roll Filter, Add	*14,352.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,436.61*	
		For Electric Heating Coil, Add	*10,959.69*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,959.69*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,828.92*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,698.15*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,176.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,221.24*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,090.46*	
		For Hot Water Heating Coil, Copper Fins, Add	*8,698.15*	
		For Variable Air Volume, Add	*3,166.16*	
		For Economizer, Panel, Controls And Damper(s), Add	*2,965.51*	
		For 2 Coils, Independent Circuits, Add	*3,496.60*	
23 73 13 00-0032	EA	17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	32,056.32	5,704.07
		For Flat Filter Box And Throwaway Filters, Add	*2,798.37*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,352.39*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,987.85*	
		For Manual Roll Filter, Add	*13,965.63*	
		For Automatic Roll Filter, Add	*15,161.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,792.30*	
		For Electric Heating Coil, Add	*11,574.52*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,574.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,378.96*	
		For Steam Heating Coil, Aluminum Fins, Add	*9,183.41*	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*7,580.59*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,965.63*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,770.07*	
		For Hot Water Heating Coil, Copper Fins, Add	*9,183.41*	
		For Variable Air Volume, Add	*3,347.55*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,029.04*	
		For 2 Coils, Independent Circuits, Add	*3,683.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0033	EA	20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	35,754.07	6,115.16
		For Flat Filter Box And Throwaway Filters, Add	*3,138.35*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,014.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*10,328.62*	
		For Manual Roll Filter, Add	*14,920.81*	
		For Automatic Roll Filter, Add	*15,731.19*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,276.69*	
		For Electric Heating Coil, Add	*6,816.95*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,679.27*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,328.62*	
		For Steam Heating Coil, Aluminum Fins, Add	*8,977.98*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*7,190.28*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,380.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,029.91*	
		For Hot Water Heating Coil, Copper Fins, Add	*10,328.62*	
		For Variable Air Volume, Add	*3,781.80*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,264.71*	
		For 2 Coils, Independent Circuits, Add	*4,115.66*	
23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	39,681.49	6,590.48
		For Flat Filter Box And Throwaway Filters, Add	*3,495.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,707.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,526.25*	
		For Manual Roll Filter, Add	*16,665.77*	
		For Automatic Roll Filter, Add	*17,572.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,991.39*	
		For Electric Heating Coil, Add	*7,596.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,037.88*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,526.25*	
		For Steam Heating Coil, Aluminum Fins, Add	*10,014.63*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,030.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,061.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,549.50*	
		For Hot Water Heating Coil, Copper Fins, Add	*11,526.25*	
		For Variable Air Volume, Add	*4,232.54*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,388.59*	
		For 2 Coils, Independent Circuits, Add	*4,572.80*	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	43,979.36	7,061.56
		For Flat Filter Box And Throwaway Filters, Add	*3,893.16*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,483.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,868.90*	
		For Manual Roll Filter, Add	*18,629.16*	
		For Automatic Roll Filter, Add	*19,645.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,786.32*	
		For Electric Heating Coil, Add	*8,464.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,563.10*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,868.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*11,174.71*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*8,975.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,951.48*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,257.29*	
		For Hot Water Heating Coil, Copper Fins, Add	*12,868.90*	
		For Variable Air Volume, Add	*4,743.74*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,501.71*	
		For 2 Coils, Independent Circuits, Add	*5,075.61*	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	54,206.51	7,605.13
		For Flat Filter Box And Throwaway Filters, Add	*4,877.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,429.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,257.21*	
		For Manual Roll Filter, Add	*23,626.06*	
		For Automatic Roll Filter, Add	*24,926.45*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*9,755.27*	
		For Electric Heating Coil, Add	*10,622.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*18,424.52*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,257.21*	
		For Steam Heating Coil, Aluminum Fins, Add	*14,089.90*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*11,379.57*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*22,759.14*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,591.83*	
		For Hot Water Heating Coil, Copper Fins, Add	*16,257.21*	
		For Variable Air Volume, Add	*6,068.47*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,635.55*	
		For 2 Coils, Independent Circuits, Add	*6,287.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	60,587.73	8,117.36
		For Flat Filter Box And Throwaway Filters, Add	*5,479.39*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*10,611.15*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,308.79*	
		For Manual Roll Filter, Add	*26,638.81*	
		For Automatic Roll Filter, Add	*28,108.81*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,958.78*	
		For Electric Heating Coil, Add	*11,938.78*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*20,758.80*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*18,308.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,858.79*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*12,829.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*25,658.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,208.80*	
		For Hot Water Heating Coil, Copper Fins, Add	*18,308.79*	
		For Variable Air Volume, Add	*6,860.01*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,503.15*	
		For 2 Coils, Independent Circuits, Add	*7,038.77*	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	66,389.14	8,741.19
		For Flat Filter Box And Throwaway Filters, Add	*6,014.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,655.27*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,115.90*	
		For Manual Roll Filter, Add	*29,280.25*	
		For Automatic Roll Filter, Add	*30,897.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,029.71*	
		For Electric Heating Coil, Add	*13,107.87*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*22,811.30*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*20,115.90*	
		For Steam Heating Coil, Aluminum Fins, Add	*17,420.50*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*14,101.05*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*28,202.09*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*25,506.69*	
		For Hot Water Heating Coil, Copper Fins, Add	*20,115.90*	
		For Variable Air Volume, Add	*7,547.11*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,637.18*	
		For 2 Coils, Independent Circuits, Add	*7,717.07*	
23 73 13 00-0039	EA	35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	72,847.69	10,162.49
		For Flat Filter Box And Throwaway Filters, Add	*6,606.73*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,806.64*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*22,106.51*	
		For Manual Roll Filter, Add	*32,185.29*	
		For Automatic Roll Filter, Add	*33,963.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,213.47*	
		For Electric Heating Coil, Add	*14,399.20*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,070.86*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*22,106.51*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,142.16*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*15,499.78*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*30,999.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*28,035.21*	
		For Hot Water Heating Coil, Copper Fins, Add	*22,106.51*	
		For Variable Air Volume, Add	*8,300.17*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,799.11*	
		For 2 Coils, Independent Circuits, Add	*8,470.51*	
23 73 13 00-0040	EA	37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	78,414.45	10,068.47
		For Flat Filter Box And Throwaway Filters, Add	*7,122.61*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,813.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*23,850.89*	
		For Manual Roll Filter, Add	*34,737.30*	
		For Automatic Roll Filter, Add	*36,658.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,245.22*	
		For Electric Heating Coil, Add	*15,525.98*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*27,052.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*23,850.89*	
		For Steam Heating Coil, Aluminum Fins, Add	*20,649.00*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*16,728.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*33,456.55*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*30,254.66*	
		For Hot Water Heating Coil, Copper Fins, Add	*23,850.89*	
		For Variable Air Volume, Add	*8,965.29*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,921.50*	
		For 2 Coils, Independent Circuits, Add	*9,122.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0041	EA	40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	84,580.32	10,770.80
		For Flat Filter Box And Throwaway Filters, Add	*7,686.11*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,909.07*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*25,743.52*	
		For Manual Roll Filter, Add	*37,497.65*	
		For Automatic Roll Filter, Add	*39,571.91*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,372.23*	
		For Electric Heating Coil, Add	*16,755.06*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,200.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,743.52*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,286.42*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*18,057.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,114.81*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*32,657.71*	
		For Hot Water Heating Coil, Copper Fins, Add	*25,743.52*	
		For Variable Air Volume, Add	*9,679.87*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,759.80*	
		For 2 Coils, Independent Circuits, Add	*9,840.87*	
23 73 13 00-0042	EA	45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	91,292.15	11,629.46
		For Flat Filter Box And Throwaway Filters, Add	*8,298.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,098.59*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,798.72*	
		For Manual Roll Filter, Add	*40,493.98*	
		For Automatic Roll Filter, Add	*42,734.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,597.02*	
		For Electric Heating Coil, Add	*18,090.58*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,532.62*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*27,798.72*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,064.82*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*19,500.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,000.42*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,266.52*	
		For Hot Water Heating Coil, Copper Fins, Add	*27,798.72*	
		For Variable Air Volume, Add	*10,454.92*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,906.77*	
		For 2 Coils, Independent Circuits, Add	*10,622.78*	
23 73 13 00-0043	EA	47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	95,101.90	12,175.70
		For Flat Filter Box And Throwaway Filters, Add	*8,642.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,763.40*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*28,945.32*	
		For Manual Roll Filter, Add	*42,161.20*	
		For Automatic Roll Filter, Add	*44,493.42*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,284.24*	
		For Electric Heating Coil, Add	*18,839.05*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*32,832.34*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*28,945.32*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,058.29*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*20,303.20*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*40,606.39*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,719.37*	
		For Hot Water Heating Coil, Copper Fins, Add	*28,945.32*	
		For Variable Air Volume, Add	*10,883.67*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,000.17*	
		For 2 Coils, Independent Circuits, Add	*11,065.00*	
23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	98,694.41	12,643.98
		For Flat Filter Box And Throwaway Filters, Add	*8,967.02*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*17,392.58*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,030.93*	
		For Manual Roll Filter, Add	*43,740.74*	
		For Automatic Roll Filter, Add	*46,160.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,934.04*	
		For Electric Heating Coil, Add	*19,546.96*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*34,063.23*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*30,030.93*	
		For Steam Heating Coil, Aluminum Fins, Add	*25,998.63*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*21,063.91*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*42,127.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*38,095.53*	
		For Hot Water Heating Coil, Copper Fins, Add	*30,030.93*	
		For Variable Air Volume, Add	*11,290.43*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,086.06*	
		For 2 Coils, Independent Circuits, Add	*11,482.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	106,422.26	13,502.53
		For Flat Filter Box And Throwaway Filters, Add	*9,677.33*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,775.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*32,423.31*	
		For Manual Roll Filter, Add	*47,234.45*	
		For Automatic Roll Filter, Add	*49,848.18*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,354.66*	
		For Electric Heating Coil, Add	*21,097.15*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*36,779.53*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*32,423.31*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,067.09*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*22,745.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*45,491.96*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*41,135.75*	
		For Hot Water Heating Coil, Copper Fins, Add	*32,423.31*	
		For Variable Air Volume, Add	*12,197.41*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,242.24*	
		For 2 Coils, Independent Circuits, Add	*12,384.71*	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	116,449.39	14,439.13
		For Flat Filter Box And Throwaway Filters, Add	*10,612.54*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,605.64*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,595.30*	
		For Manual Roll Filter, Add	*51,881.54*	
		For Automatic Roll Filter, Add	*54,755.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,225.08*	
		For Electric Heating Coil, Add	*23,141.11*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*40,385.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*35,595.30*	
		For Steam Heating Coil, Aluminum Fins, Add	*30,805.23*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*24,982.76*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*49,965.52*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*45,175.44*	
		For Hot Water Heating Coil, Copper Fins, Add	*35,595.30*	
		For Variable Air Volume, Add	*13,412.20*	
		For Economizer, Panel, Controls And Damper(s), Add	*3,964.80*	
		For 2 Coils, Independent Circuits, Add	*13,560.97*	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	127,681.38	15,609.87
		For Flat Filter Box And Throwaway Filters, Add	*11,653.15*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,637.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,113.53*	
		For Manual Roll Filter, Add	*57,028.40*	
		For Automatic Roll Filter, Add	*60,189.85*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*23,306.30*	
		For Electric Heating Coil, Add	*25,413.93*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*44,382.61*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*39,113.53*	
		For Steam Heating Coil, Aluminum Fins, Add	*33,844.45*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*27,460.39*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,920.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*49,651.69*	
		For Hot Water Heating Coil, Copper Fins, Add	*39,113.53*	
		For Variable Air Volume, Add	*14,753.42*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,129.98*	
		For 2 Coils, Independent Circuits, Add	*14,875.77*	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	140,182.18	16,936.70
		For Flat Filter Box And Throwaway Filters, Add	*12,806.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,885.38*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*43,004.04*	
		For Manual Roll Filter, Add	*62,714.40*	
		For Automatic Roll Filter, Add	*66,192.70*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*25,612.55*	
		For Electric Heating Coil, Add	*27,931.41*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*48,801.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,004.04*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,206.88*	
		For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	*30,197.77*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*60,395.54*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,598.37*	
		For Hot Water Heating Coil, Copper Fins, Add	*43,004.04*	
		For Variable Air Volume, Add	*16,232.06*	
		For Economizer, Panel, Controls And Damper(s), Add	*4,323.89*	
		For 2 Coils, Independent Circuits, Add	*16,337.08*	

23 73 13 00-0049 Multi-Zone Units *(23 73 13)*
Note: Horizontal/vertical blow-thru fan, motor and cabinet.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,288.34	1,404.66
		For Economizer, Panel, Controls And Damper(s), Add	*2,044.40*	
		For Flat Filter Box And Throwaway Filters, Add	*728.52*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,396.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*1,771.14*	
		For Manual Roll Filter, Add	*3,655.76*	
		For Automatic Roll Filter, Add	*3,655.76*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*828.83*	
		For Electric Heating Coil, Add	*954.48*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,027.56*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,027.56*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*3,655.76*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*3,655.76*	
		For 2 Coils, Independent Circuits, Add	*954.48*	
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,327.38	1,759.79
		For Economizer, Panel, Controls And Damper(s), Add	*2,399.85*	
		For Flat Filter Box And Throwaway Filters, Add	*907.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*1,738.65*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,204.73*	
		For Manual Roll Filter, Add	*4,548.73*	
		For Automatic Roll Filter, Add	*4,548.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,032.74*	
		For Electric Heating Coil, Add	*1,189.00*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*3,767.40*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*3,767.40*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*4,548.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*4,548.73*	
		For 2 Coils, Independent Circuits, Add	*1,189.00*	
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	12,805.26	1,872.96
		For Economizer, Panel, Controls And Damper(s), Add	*2,512.81*	
		For Flat Filter Box And Throwaway Filters, Add	*1,146.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,213.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,800.00*	
		For Manual Roll Filter, Add	*5,838.95*	
		For Automatic Roll Filter, Add	*5,838.95*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,280.53*	
		For Electric Heating Coil, Add	*1,483.12*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,825.96*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,825.96*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*5,838.95*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*5,838.95*	
		For 2 Coils, Independent Circuits, Add	*1,483.12*	
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,308.39	2,005.64
		For Economizer, Panel, Controls And Damper(s), Add	*2,645.12*	
		For Flat Filter Box And Throwaway Filters, Add	*1,187.62*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,289.30*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*2,897.43*	
		For Manual Roll Filter, Add	*6,030.61*	
		For Automatic Roll Filter, Add	*6,030.61*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,330.84*	
		For Electric Heating Coil, Add	*1,539.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*4,986.21*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*4,986.21*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*6,030.61*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*6,030.61*	
		For 2 Coils, Independent Circuits, Add	*1,539.72*	
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,596.46	2,150.03
		For Economizer, Panel, Controls And Damper(s), Add	*2,790.12*	
		For Flat Filter Box And Throwaway Filters, Add	*1,406.07*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,719.98*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,438.38*	
		For Manual Roll Filter, Add	*7,195.83*	
		For Automatic Roll Filter, Add	*7,195.83*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,559.65*	
		For Electric Heating Coil, Add	*1,810.14*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*5,943.35*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*5,943.35*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,195.83*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,195.83*	
		For 2 Coils, Independent Circuits, Add	*1,810.14*	
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,442.12	2,302.46
		For Economizer, Panel, Controls And Damper(s), Add	*2,942.34*	
		For Flat Filter Box And Throwaway Filters, Add	*1,479.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*2,860.85*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,617.17*	
		For Manual Roll Filter, Add	*7,563.09*	
		For Automatic Roll Filter, Add	*7,563.09*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,644.21*	
		For Electric Heating Coil, Add	*1,907.27*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,247.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,247.79*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,563.09*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,563.09*	
		For 2 Coils, Independent Circuits, Add	*1,907.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0056	EA	3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	17,332.32	2,458.44
		For Economizer, Panel, Controls And Damper(s), Add	*3,098.25*	
		For Flat Filter Box And Throwaway Filters, Add	*1,557.64*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,009.93*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*3,806.31*	
		For Manual Roll Filter, Add	*7,952.48*	
		For Automatic Roll Filter, Add	*7,952.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,733.23*	
		For Electric Heating Coil, Add	*2,009.64*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*6,570.42*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*6,570.42*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*7,952.48*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*7,952.48*	
		For 2 Coils, Independent Circuits, Add	*2,009.64*	
23 73 13 00-0057	EA	4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	19,347.88	2,638.06
		For Economizer, Panel, Controls And Damper(s), Add	*2,818.28*	
		For Flat Filter Box And Throwaway Filters, Add	*1,746.76*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,380.71*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,272.89*	
		For Manual Roll Filter, Add	*8,949.10*	
		For Automatic Roll Filter, Add	*8,949.10*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*1,934.79*	
		For Electric Heating Coil, Add	*2,246.54*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*7,390.37*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*7,390.37*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*8,949.10*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*8,949.10*	
		For 2 Coils, Independent Circuits, Add	*2,246.54*	
23 73 13 00-0058	EA	4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	21,154.78	2,825.16
		For Economizer, Panel, Controls And Damper(s), Add	*2,969.89*	
		For Flat Filter Box And Throwaway Filters, Add	*1,913.67*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,706.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,683.27*	
		For Manual Roll Filter, Add	*9,818.86*	
		For Automatic Roll Filter, Add	*9,818.86*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,115.48*	
		For Electric Heating Coil, Add	*2,457.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,107.00*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,107.00*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*9,818.86*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*9,818.86*	
		For 2 Coils, Independent Circuits, Add	*2,457.85*	
23 73 13 00-0059	EA	5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	22,361.76	3,017.39
		For Economizer, Panel, Controls And Damper(s), Add	*3,115.46*	
		For Flat Filter Box And Throwaway Filters, Add	*2,021.13*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*3,913.24*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*4,945.32*	
		For Manual Roll Filter, Add	*10,363.59*	
		For Automatic Roll Filter, Add	*10,363.59*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,236.18*	
		For Electric Heating Coil, Add	*2,597.39*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*8,557.50*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*8,557.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*10,363.59*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*10,363.59*	
		For 2 Coils, Independent Circuits, Add	*2,597.39*	
23 73 13 00-0060	EA	5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	24,670.72	3,223.66
		For Economizer, Panel, Controls And Damper(s), Add	*3,284.06*	
		For Flat Filter Box And Throwaway Filters, Add	*2,236.70*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,335.18*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,476.57*	
		For Manual Roll Filter, Add	*11,495.57*	
		For Automatic Roll Filter, Add	*11,495.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,467.07*	
		For Electric Heating Coil, Add	*2,868.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*9,489.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*9,489.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*11,495.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*11,495.57*	
		For 2 Coils, Independent Circuits, Add	*2,868.34*	
23 73 13 00-0061	EA	6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	26,247.88	3,450.01
		For Economizer, Panel, Controls And Damper(s), Add	*3,460.47*	
		For Flat Filter Box And Throwaway Filters, Add	*2,378.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*4,608.92*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*5,822.75*	
		For Manual Roll Filter, Add	*12,218.68*	
		For Automatic Roll Filter, Add	*12,218.68*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,624.79*	
		For Electric Heating Coil, Add	*3,051.18*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*10,086.70*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*10,086.70*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*12,218.68*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*12,218.68*	
		For 2 Coils, Independent Circuits, Add	*3,051.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	28,787.61	3,746.37
		For Economizer, Panel, Controls And Damper(s), Add	*3,691.22*	
		For Flat Filter Box And Throwaway Filters, Add	*2,611.38*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,062.32*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,394.75*	
		For Manual Roll Filter, Add	*13,426.73*	
		For Automatic Roll Filter, Add	*13,426.73*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*2,878.76*	
		For Electric Heating Coil, Add	*3,347.56*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,082.74*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,082.74*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*13,426.73*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*13,426.73*	
		For 2 Coils, Independent Circuits, Add	*3,347.56*	
23 73 13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	30,929.74	4,035.26
		For Economizer, Panel, Controls And Damper(s), Add	*3,919.23*	
		For Flat Filter Box And Throwaway Filters, Add	*2,804.86*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,436.86*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*6,868.10*	
		For Manual Roll Filter, Add	*14,418.35*	
		For Automatic Roll Filter, Add	*14,418.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,092.97*	
		For Electric Heating Coil, Add	*3,596.32*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*11,901.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*11,901.60*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*14,418.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*14,418.35*	
		For 2 Coils, Independent Circuits, Add	*3,596.32*	
23 73 13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	32,447.92	4,362.96
		For Economizer, Panel, Controls And Damper(s), Add	*3,428.12*	
		For Flat Filter Box And Throwaway Filters, Add	*2,933.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*5,680.94*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,178.93*	
		For Manual Roll Filter, Add	*15,047.22*	
		For Automatic Roll Filter, Add	*15,047.22*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,244.79*	
		For Electric Heating Coil, Add	*3,769.34*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*12,424.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*12,424.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*15,047.22*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*15,047.22*	
		For 2 Coils, Independent Circuits, Add	*3,769.34*	
23 73 13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	36,017.05	4,706.15
		For Economizer, Panel, Controls And Damper(s), Add	*3,630.78*	
		For Flat Filter Box And Throwaway Filters, Add	*3,265.36*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,328.91*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*7,995.22*	
		For Manual Roll Filter, Add	*16,782.25*	
		For Automatic Roll Filter, Add	*16,782.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,601.71*	
		For Electric Heating Coil, Add	*4,187.51*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*13,853.24*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*13,853.24*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*16,782.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*16,782.25*	
		For 2 Coils, Independent Circuits, Add	*4,187.51*	
23 73 13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	37,916.28	5,072.98
		For Economizer, Panel, Controls And Damper(s), Add	*3,840.79*	
		For Flat Filter Box And Throwaway Filters, Add	*3,429.03*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,640.50*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,391.27*	
		For Manual Roll Filter, Add	*17,590.57*	
		For Automatic Roll Filter, Add	*17,590.57*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*3,791.63*	
		For Electric Heating Coil, Add	*4,404.91*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*14,524.14*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*14,524.14*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*17,590.57*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*17,590.57*	
		For 2 Coils, Independent Circuits, Add	*4,404.91*	
23 73 13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	40,020.07	5,494.68
		For Economizer, Panel, Controls And Damper(s), Add	*4,069.80*	
		For Flat Filter Box And Throwaway Filters, Add	*3,610.78*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*6,986.83*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*8,831.34*	
		For Manual Roll Filter, Add	*18,490.01*	
		For Automatic Roll Filter, Add	*18,490.01*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,002.01*	
		For Electric Heating Coil, Add	*4,645.92*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*15,270.46*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*15,270.46*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*18,490.01*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*18,490.01*	
		For 2 Coils, Independent Circuits, Add	*4,645.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0068	EA	10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	42,284.36	5,931.41
		For Economizer, Panel, Controls And Damper(s), Add	*3,723.71*	
		For Flat Filter Box And Throwaway Filters, Add	*3,804.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,354.60*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,299.24*	
		For Manual Roll Filter, Add	*19,440.84*	
		For Automatic Roll Filter, Add	*19,440.84*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,228.44*	
		For Electric Heating Coil, Add	*4,904.54*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,060.31*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,060.31*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,440.84*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,440.84*	
		For 2 Coils, Independent Circuits, Add	*4,904.54*	
23 73 13 00-0069	EA	11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	43,467.52	6,158.09
		For Economizer, Panel, Controls And Damper(s), Add	*3,825.41*	
		For Flat Filter Box And Throwaway Filters, Add	*3,905.85*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,547.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,544.18*	
		For Manual Roll Filter, Add	*19,939.03*	
		For Automatic Roll Filter, Add	*19,939.03*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,346.75*	
		For Electric Heating Coil, Add	*5,039.74*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,474.08*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,474.08*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*19,939.03*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*19,939.03*	
		For 2 Coils, Independent Circuits, Add	*5,039.74*	
23 73 13 00-0070	EA	12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	44,599.74	6,377.85
		For Economizer, Panel, Controls And Damper(s), Add	*3,911.83*	
		For Flat Filter Box And Throwaway Filters, Add	*4,004.67*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*7,736.16*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*9,784.02*	
		For Manual Roll Filter, Add	*20,432.12*	
		For Automatic Roll Filter, Add	*20,432.12*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*4,459.97*	
		For Electric Heating Coil, Add	*5,169.85*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*16,882.75*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*16,882.75*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*20,432.12*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*20,432.12*	
		For 2 Coils, Independent Circuits, Add	*5,169.85*	
23 73 13 00-0071	EA	13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	50,493.21	6,634.19
		For Economizer, Panel, Controls And Damper(s), Add	*3,300.55*	
		For Flat Filter Box And Throwaway Filters, Add	*4,574.18*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*8,863.28*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*11,197.89*	
		For Manual Roll Filter, Add	*23,495.02*	
		For Automatic Roll Filter, Add	*23,495.02*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,049.32*	
		For Electric Heating Coil, Add	*5,869.13*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*19,395.98*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*19,395.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*23,495.02*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*23,495.02*	
		For 2 Coils, Independent Circuits, Add	*5,869.13*	
23 73 13 00-0072	EA	15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	56,344.73	6,897.00
		For Economizer, Panel, Controls And Damper(s), Add	*3,460.06*	
		For Flat Filter Box And Throwaway Filters, Add	*5,141.60*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*9,987.47*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*12,607.56*	
		For Manual Roll Filter, Add	*26,553.74*	
		For Automatic Roll Filter, Add	*26,553.74*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*5,634.47*	
		For Electric Heating Coil, Add	*6,564.22*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*21,905.01*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*21,905.01*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*26,553.74*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*26,553.74*	
		For 2 Coils, Independent Circuits, Add	*6,564.22*	
23 73 13 00-0073	EA	16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	64,892.42	7,157.13
		For Economizer, Panel, Controls And Damper(s), Add	*3,523.30*	
		For Flat Filter Box And Throwaway Filters, Add	*5,978.30*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,650.03*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*14,690.28*	
		For Manual Roll Filter, Add	*31,092.35*	
		For Automatic Roll Filter, Add	*31,092.35*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*6,489.24*	
		For Electric Heating Coil, Add	*7,582.71*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*25,624.99*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*25,624.99*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*31,092.35*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*31,092.35*	
		For 2 Coils, Independent Circuits, Add	*7,582.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	73,445.23	7,414.68
		For Economizer, Panel, Controls And Damper(s), Add	*3,587.44*	
		For Flat Filter Box And Throwaway Filters, Add	*6,815.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*13,312.95*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*16,773.51*	
		For Manual Roll Filter, Add	*35,631.47*	
		For Automatic Roll Filter, Add	*35,631.47*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*7,344.52*	
		For Electric Heating Coil, Add	*8,601.72*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,345.48*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,345.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*35,631.47*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*35,631.47*	
		For 2 Coils, Independent Circuits, Add	*8,601.72*	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	82,508.18	8,039.08
		For Economizer, Panel, Controls And Damper(s), Add	*3,744.28*	
		For Flat Filter Box And Throwaway Filters, Add	*7,676.74*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*11,457.70*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*18,904.80*	
		For Manual Roll Filter, Add	*29,558.79*	
		For Automatic Roll Filter, Add	*36,661.44*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,250.82*	
		For Electric Heating Coil, Add	*9,671.35*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*29,558.79*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*29,558.79*	
		For Steam Heating Coil, Aluminum Fins, Add	*15,353.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*36,661.44*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*36,661.44*	
		For 2 Coils, Independent Circuits, Add	*9,671.35*	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	88,982.05	8,741.53
		For Economizer, Panel, Controls And Damper(s), Add	*3,627.91*	
		For Flat Filter Box And Throwaway Filters, Add	*8,277.23*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*12,353.75*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*20,382.60*	
		For Manual Roll Filter, Add	*31,866.99*	
		For Automatic Roll Filter, Add	*39,523.25*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*8,898.21*	
		For Electric Heating Coil, Add	*10,429.46*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*31,866.99*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*31,866.99*	
		For Steam Heating Coil, Aluminum Fins, Add	*16,554.47*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*39,523.25*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*39,523.25*	
		For 2 Coils, Independent Circuits, Add	*10,429.46*	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	106,305.27	9,443.64
		For Economizer, Panel, Controls And Damper(s), Add	*3,788.17*	
		For Flat Filter Box And Throwaway Filters, Add	*9,956.14*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*14,866.77*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*24,553.15*	
		For Manual Roll Filter, Add	*38,475.77*	
		For Automatic Roll Filter, Add	*47,757.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*10,630.53*	
		For Electric Heating Coil, Add	*12,486.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*38,475.77*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*38,475.77*	
		For Steam Heating Coil, Aluminum Fins, Add	*19,912.27*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*47,757.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*47,757.51*	
		For 2 Coils, Independent Circuits, Add	*12,486.88*	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	120,242.05	10,224.46
		For Economizer, Panel, Controls And Damper(s), Add	*3,952.84*	
		For Flat Filter Box And Throwaway Filters, Add	*11,294.92*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*16,869.46*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*27,872.67*	
		For Manual Roll Filter, Add	*43,721.13*	
		For Automatic Roll Filter, Add	*54,286.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*12,024.21*	
		For Electric Heating Coil, Add	*14,137.33*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*43,721.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*43,721.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*22,589.85*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*54,286.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*54,286.77*	
		For 2 Coils, Independent Circuits, Add	*14,137.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	130,337.08	11,005.29
		For Economizer, Panel, Controls And Damper(s), Add	*4,124.31*	
		For Flat Filter Box And Throwaway Filters, Add	*12,247.27*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*18,292.26*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*30,224.96*	
		For Manual Roll Filter, Add	*47,416.22*	
		For Automatic Roll Filter, Add	*58,877.05*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*13,033.71*	
		For Electric Heating Coil, Add	*15,325.88*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*47,416.22*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*47,416.22*	
		For Steam Heating Coil, Aluminum Fins, Add	*24,494.54*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*58,877.05*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*58,877.05*	
		For 2 Coils, Independent Circuits, Add	*15,325.88*	
23 73 13 00-0080	EA	32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	145,590.70	12,877.81
		For Economizer, Panel, Controls And Damper(s), Add	*4,127.37*	
		For Flat Filter Box And Throwaway Filters, Add	*13,640.12*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,368.29*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,640.83*	
		For Manual Roll Filter, Add	*52,722.60*	
		For Automatic Roll Filter, Add	*65,443.77*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,559.07*	
		For Electric Heating Coil, Add	*17,103.31*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,722.60*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,722.60*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,280.25*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,443.77*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,443.77*	
		For 2 Coils, Independent Circuits, Add	*17,103.31*	
23 73 13 00-0081	EA	35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	146,278.09	13,346.43
		For Economizer, Panel, Controls And Damper(s), Add	*4,213.29*	
		For Flat Filter Box And Throwaway Filters, Add	*13,674.49*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*20,416.41*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*33,709.57*	
		For Manual Roll Filter, Add	*52,791.33*	
		For Automatic Roll Filter, Add	*65,512.51*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*14,627.81*	
		For Electric Heating Coil, Add	*17,172.04*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*52,791.33*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*52,791.33*	
		For Steam Heating Coil, Aluminum Fins, Add	*27,348.98*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*65,512.51*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*65,512.51*	
		For 2 Coils, Independent Circuits, Add	*17,172.04*	
23 73 13 00-0082	EA	37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	153,011.95	13,814.28
		For Economizer, Panel, Controls And Damper(s), Add	*4,299.22*	
		For Flat Filter Box And Throwaway Filters, Add	*14,313.51*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*21,371.49*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*35,289.93*	
		For Manual Roll Filter, Add	*55,278.66*	
		For Automatic Roll Filter, Add	*68,604.49*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*15,301.20*	
		For Electric Heating Coil, Add	*17,966.36*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*55,278.66*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*55,278.66*	
		For Steam Heating Coil, Aluminum Fins, Add	*28,627.02*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*68,604.49*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*68,604.49*	
		For 2 Coils, Independent Circuits, Add	*17,966.36*	
23 73 13 00-0083	EA	40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	160,043.48	14,829.37
		For Economizer, Panel, Controls And Damper(s), Add	*4,476.33*	
		For Flat Filter Box And Throwaway Filters, Add	*14,945.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*22,312.87*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*36,835.27*	
		For Manual Roll Filter, Add	*57,666.19*	
		For Automatic Roll Filter, Add	*71,553.48*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*16,004.35*	
		For Electric Heating Coil, Add	*18,781.80*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*57,666.19*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*57,666.19*	
		For Steam Heating Coil, Aluminum Fins, Add	*29,891.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*71,553.48*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*71,553.48*	
		For 2 Coils, Independent Circuits, Add	*18,781.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0084	EA	45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	172,538.72	15,609.87
		For Economizer, Panel, Controls And Damper(s), Add	*4,605.14*	
		For Flat Filter Box And Throwaway Filters, Add	*16,143.82*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*24,104.72*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*39,804.51*	
		For Manual Roll Filter, Add	*62,355.15*	
		For Automatic Roll Filter, Add	*77,388.90*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*17,253.87*	
		For Electric Heating Coil, Add	*20,260.62*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*62,355.15*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*62,355.15*	
		For Steam Heating Coil, Aluminum Fins, Add	*32,287.63*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*77,388.90*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*77,388.90*	
		For 2 Coils, Independent Circuits, Add	*20,260.62*	
23 73 13 00-0085	EA	50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	185,515.57	16,468.40
		For Economizer, Panel, Controls And Damper(s), Add	*4,255.62*	
		For Flat Filter Box And Throwaway Filters, Add	*17,373.75*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*25,942.84*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*42,845.47*	
		For Manual Roll Filter, Add	*67,139.38*	
		For Automatic Roll Filter, Add	*83,335.32*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*18,551.56*	
		For Electric Heating Coil, Add	*21,790.75*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*67,139.38*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*67,139.38*	
		For Steam Heating Coil, Aluminum Fins, Add	*34,747.50*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*83,335.32*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*83,335.32*	
		For 2 Coils, Independent Circuits, Add	*21,790.75*	
23 73 13 00-0086	EA	55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	199,878.66	17,483.05
		For Economizer, Panel, Controls And Damper(s), Add	*4,396.25*	
		For Flat Filter Box And Throwaway Filters, Add	*18,739.74*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*27,984.80*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*46,225.29*	
		For Manual Roll Filter, Add	*72,462.71*	
		For Automatic Roll Filter, Add	*89,954.33*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*19,987.87*	
		For Electric Heating Coil, Add	*23,486.19*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*72,462.71*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*72,462.71*	
		For Steam Heating Coil, Aluminum Fins, Add	*37,479.48*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*89,954.33*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*89,954.33*	
		For 2 Coils, Independent Circuits, Add	*23,486.19*	
23 73 13 00-0087	EA	60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	214,532.29	17,951.34
		For Economizer, Panel, Controls And Damper(s), Add	*4,459.93*	
		For Flat Filter Box And Throwaway Filters, Add	*20,173.26*	
		For Medium Capacity Filter Box And Throwaway Filters, Add	*30,131.90*	
		For Combination Filter Mixing Box And Throwaway Filters, Add	*49,793.18*	
		For Manual Roll Filter, Add	*78,133.13*	
		For Automatic Roll Filter, Add	*97,026.43*	
		For Hot Water Heating Coil, Aluminum Fins, Add	*21,453.23*	
		For Electric Heating Coil, Add	*25,231.89*	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	*78,133.13*	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	*78,133.13*	
		For Steam Heating Coil, Aluminum Fins, Add	*40,346.53*	
		For Chilled Water Cooling Coil, Copper Fins, Add	*97,026.43*	
		For Direct Expansion Cooling Coil, Copper Fins, Add	*97,026.43*	
		For 2 Coils, Independent Circuits, Add	*25,231.89*	

23 73 13 00-0088 Return/Supply Air Fan *(23 73 13)*

Note: Includes vibration mounts.

23 73 13 00-0089	EA	300 CFM Return Air Fan	3,723.00	624.28
23 73 13 00-0090	EA	500 CFM Return Air Fan	4,842.38	749.16
23 73 13 00-0091	EA	750 CFM Return Air Fan	5,058.60	780.38
23 73 13 00-0092	EA	1,000 CFM Return Air Fan	5,789.47	827.22
23 73 13 00-0093	EA	1,250 CFM Return Air Fan	5,962.37	866.23
23 73 13 00-0094	EA	1,500 CFM Return Air Fan	6,096.06	905.26
23 73 13 00-0095	EA	1,750 CFM Return Air Fan	6,397.40	952.09
23 73 13 00-0096	EA	2,000 CFM Return Air Fan	7,128.26	998.92
23 73 13 00-0097	EA	2,250 CFM Return Air Fan	7,468.52	1,045.75
23 73 13 00-0098	EA	2,500 CFM Return Air Fan	7,652.62	1,092.58
23 73 13 00-0099	EA	3,000 CFM Return Air Fan	8,092.88	1,209.66
23 73 13 00-0100	EA	3,500 CFM Return Air Fan	8,299.45	1,272.09
23 73 13 00-0101	EA	4,000 CFM Return Air Fan	8,494.61	1,326.72
23 73 13 00-0102	EA	4,500 CFM Return Air Fan	8,740.22	1,389.28
23 73 13 00-0103	EA	5,000 CFM Return Air Fan	8,957.59	1,459.52
23 73 13 00-0104	EA	5,500 CFM Return Air Fan	9,358.88	1,631.23
23 73 13 00-0105	EA	6,000 CFM Return Air Fan	10,613.73	1,935.62
23 73 13 00-0106	EA	6,500 CFM Return Air Fan	10,893.32	1,966.84
23 73 13 00-0107	EA	7,000 CFM Return Air Fan	11,021.14	1,974.65
23 73 13 00-0108	EA	8,000 CFM Return Air Fan	11,613.14	2,005.86
23 73 13 00-0109	EA	9,000 CFM Return Air Fan	11,877.21	2,029.29
23 73 13 00-0110	EA	10,000 CFM Return Air Fan	12,500.21	2,107.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0111	EA	12,500 CFM Return Air Fan	13,335.00	2,146.24
23 73 13 00-0112	EA	15,000 CFM Return Air Fan	15,102.95	2,207.24
23 73 13 00-0113	EA	17,500 CFM Return Air Fan	16,482.68	2,325.76
23 73 13 00-0114	EA	20,000 CFM Return Air Fan	19,673.17	2,427.00
23 73 13 00-0115	EA	22,500 CFM Return Air Fan	20,621.84	2,511.63
23 73 13 00-0116	EA	25,000 CFM Return Air Fan	21,570.08	2,583.43
23 73 13 00-0117	EA	27,500 CFM Return Air Fan	22,840.48	2,841.00
23 73 13 00-0118	EA	30,000 CFM Return Air Fan	24,429.16	2,996.87
23 73 13 00-0119	EA	35,000 CFM Return Air Fan	27,615.66	3,121.64
23 73 13 00-0120	EA	40,000 CFM Return Air Fan	32,591.76	3,433.84
23 73 13 00-0121	EA	45,000 CFM Return Air Fan	40,171.84	3,902.13
23 73 13 00-0122	EA	50,000 CFM Return Air Fan	49,042.78	4,042.96
23 73 13 00-0123	EA	55,000 CFM Return Air Fan	51,351.98	4,159.69
23 73 13 00-0124	EA	60,000 CFM Return Air Fan	52,529.71	4,268.96
23 73 13 00-0125	EA	65,000 CFM Return Air Fan	55,094.67	4,456.17
23 73 13 00-0126	EA	70,000 CFM Return Air Fan	57,869.03	4,675.60
23 73 13 00-0127	EA	75,000 CFM Return Air Fan	62,266.00	4,904.95
23 73 13 00-0128	EA	80,000 CFM Return Air Fan	65,019.47	5,164.97
23 73 13 00-0129	EA	90,000 CFM Return Air Fan	67,111.64	5,459.10
23 73 13 00-0130	EA	100,000 CFM Return Air Fan	72,192.86	5,708.97
23 73 13 00-0131	EA	115,000 CFM Return Air Fan	77,698.69	5,982.04
23 73 13 00-0132	EA	130,000 CFM Return Air Fan	83,673.33	6,283.42
23 73 13 00-0133	EA	150,000 CFM Return Air Fan	91,606.89	6,618.14

23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit *(23 73 13)*

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA	Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	2,858.95	
23 73 13 00-0136	EA	Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	3,878.23	
23 73 13 00-0137	EA	Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	4,824.47	
23 73 13 00-0138	EA	Removal And Reinstallation Of >22,000 CFM Air Handling Unit	8,802.56	

23 74 Packaged Outdoor HVAC Equipment *(23 70)*

23 74 16 Packaged Rooftop Air-Conditioning Units *(23 74)*

23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units *(23 74 16)*

23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,064.85	1,893.54
		For Unit Without Heat, Deduct	*-429.48*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,859.83	1,979.61
		For Unit Without Heat, Deduct	*-474.97*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,189.49	2,065.68
		For Unit Without Heat, Deduct	*-547.19*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	9,784.31	2,194.79
		For Unit Without Heat, Deduct	*-635.53*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,598.50	2,323.90
		For Unit Without Heat, Deduct	*-684.85*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,331.68	2,496.03
		For Unit Without Heat, Deduct	*-782.99*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	14,786.09	2,625.14
		For Unit Without Heat, Deduct	*-914.31*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,588.85	2,797.28
		For Unit Without Heat, Deduct	*-965.93*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,136.71	3,022.78
		For Unit Without Heat, Deduct	*-1,158.38*	
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-963.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	20,777.24	3,249.15
		For Unit Without Heat, Deduct	*-1,255.47*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,744.41	3,474.94
		For Unit Without Heat, Deduct	*-1,418.89*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	26,779.92	3,701.01
		For Unit Without Heat, Deduct	*-1,585.73*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	29,807.07	4,077.43
		For Unit Without Heat, Deduct	*-1,762.19*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	31,799.56	4,454.13
		For Unit Without Heat, Deduct	*-1,886.92*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,161.32	4,873.87
		For Unit Without Heat, Deduct	*-2,032.98*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	37,300.51	5,293.32
		For Unit Without Heat, Deduct	*-2,217.91*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	43,250.90	6,175.53
		For Unit Without Heat, Deduct	*-2,574.25*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	49,643.99	7,057.75
		For Unit Without Heat, Deduct	*-2,952.72*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,125.49*	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	54,313.54	7,961.49
		For Unit Without Heat, Deduct	*-3,246.44*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,125.49*	
23 74 16 13-0021	EA	50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	62,631.49	8,865.23
		For Unit Without Heat, Deduct	*-3,722.59*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,125.49*	
23 74 16 13-0022	EA	55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	69,747.55	9,725.92
		For Unit Without Heat, Deduct	*-4,135.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,640.89*	
23 74 16 13-0023	EA	60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	75,419.81	10,586.63
		For Unit Without Heat, Deduct	*-4,476.77*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,640.89*	
23 74 16 13-0024	EA	65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	80,835.64	11,447.33
		For Unit Without Heat, Deduct	*-4,804.94*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,869.31*	
23 74 16 13-0025	EA	70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	86,932.11	12,308.03
		For Unit Without Heat, Deduct	*-5,167.14*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,869.31*	
23 74 16 13-0026	EA	75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	94,168.58	13,254.80
		For Unit Without Heat, Deduct	*-5,592.08*	
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,195.12*	

23 74 16 13-0027 Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.

23 74 16 13-0028	EA	2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit	5,942.77	1,721.40
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0029	EA	3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit	6,938.36	1,979.61
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0030	EA	4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit	8,748.30	2,280.86
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0031	EA	5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit	9,930.40	2,452.99
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0032	EA	6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit	11,238.98	2,646.66
		For Unit Without Factory Installed Economizer, Deduct	*-1,136.65*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0033	EA	7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit	13,155.08	2,775.77
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0034	EA	8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit	16,402.72	2,302.38
		For Unit Without Factory Installed Economizer, Deduct	*-1,160.14*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0035	EA	10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit	16,880.28	3,098.53
		For Unit Without Factory Installed Economizer, Deduct	*-1,186.42*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0036	EA	12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit	21,092.41	3,356.74
		For Unit Without Factory Installed Economizer, Deduct	*-1,281.34*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0037	EA	15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit	22,944.48	3,614.94
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0038	EA	17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit	26,664.60	3,873.16
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0039	EA	20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit	33,786.84	4,131.37
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0040	EA	22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit	41,248.96	4,561.71
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0041	EA	25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit	48,711.08	4,934.69
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0042	EA	27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit	50,191.24	5,422.42
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0043	EA	30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit	52,403.20	5,852.77
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0044	EA	35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit	58,349.87	6,842.58
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0045	EA	40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit	64,849.40	7,832.38
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,125.49*	
23 74 16 13-0046	EA	45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit	70,197.37	8,822.19
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,125.49*	
23 74 16 13-0047	EA	50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit	74,957.87	9,812.00
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,125.49*	
23 74 16 13-0048	EA	55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit	82,442.51	10,801.80
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,640.89*	
23 74 16 13-0049	EA	60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit	89,611.86	11,791.61
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,640.89*	
23 74 16 13-0050	EA	65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit	96,711.18	12,286.51
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,869.31*	
23 74 16 13-0051	EA	70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit	103,888.26	12,759.90
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-2,869.31*	
23 74 16 13-0052	EA	75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit	114,208.23	13,254.80
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,195.12*	
23 74 16 13-0053	EA	80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit	108,709.64	13,771.23
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,195.12*	
23 74 16 13-0054	EA	90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit	157,088.21	16,181.18
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,195.12*	
23 74 16 13-0055	EA	100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit	176,927.95	19,710.07
		For Unit Without Factory Installed Economizer, Deduct	*-2,422.12*	
		For Unit Without Roof Curb, Deduct	*-3,195.12*	

23 74 16 13-0056 Dedicated Outdoor Air Systems (DOAS) Rooftop Air-Conditioning Units *(23 74 16 13)*

Note: Units < 5 tons have 14 SEER minimum, units 5 to < 20 tons have 11 EER minimum, and units 20 tons and over have 10 EER minimum, Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment, 07 72 13 00-0000 for roof curbs, 23 09 23 00-0000 for controls, 26 28 16 16-0001 for disconnects.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0057		**AAON RQ Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD (or ECM motor), single stage on/off scroll compressor, terminal strip for field supplied thermostat, gas heat, manually adjustable OSA damper, microchannel condenser coils. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.		
23 74 16 13-0058	EA	2 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-002)	15,219.87	1,721.40
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,636.56*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,775.57*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,397.90*	
		For Factory Installed Non-Fused Disconnect, Add	*1,599.85*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0059	EA	3 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-003)	16,587.00	1,979.61
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0060	EA	4 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-004)	17,222.08	2,280.86
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0061	EA	5 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-005)	17,658.80	2,452.99
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0062	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RQ-006)	19,320.15	2,991.00
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,754.59*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*1,904.08*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,497.56*	
		For Factory Installed Non-Fused Disconnect, Add	*1,715.25*	
		For Factory Installed Exhaust Fan, Add	*8,156.60*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,904.08*	
23 74 16 13-0063		**AAON RNA Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, single stage on/off compressor, terminal strip for field provided thermostat, gas heat, manually adjustable OSA damper. Excludes economizer, controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.		
23 74 16 13-0064	EA	6 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-006)	23,414.18	2,646.72
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0065	EA	7 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-007)	24,999.96	2,775.82
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0066	EA	8 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-008)	28,717.35	2,991.00
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0067	EA	10 Ton, Air-Cooled Packaged Rooftop Units (AAON RNA-010)	28,999.81	3,098.53
		For Factory Installed And Wired Dry Bulb Economizer, Add	*1,707.38*	
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,622.70*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,749.34*	
		For Factory Installed Non-Fused Disconnect, Add	*1,615.58*	
		For Factory Installed Exhaust Fan, Add	*4,356.30*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,484.45*	
23 74 16 13-0068		**AAON RNB Rooftop Units** *(23 74 16 13-0056)* Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0069	EA	9 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-009)	34,441.91	3,098.53
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0070	EA	11 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-011)	34,712.69	3,012.46
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0071	EA	13 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-013)	37,841.63	3,356.74
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	
23 74 16 13-0072	EA	15 Ton, Air-Cooled Packaged Rooftop Units (AAON RNB-015)	38,794.39	3,614.94
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*2,515.17*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*1,967.02*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*4,154.36*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*1,492.32*	

23 74 16 13-0073 AAON RNC Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) on/off scroll compressors, terminal strip for field provided thermostat, gas heat, factory installed 3 position economizer. Excludes controls, disconnect, roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0074	EA	16 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-016)	50,051.01	3,614.94
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0075	EA	18 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-018)	54,072.32	3,873.16
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0076	EA	20 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-020)	57,293.70	4,131.37
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0077	EA	25 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-025)	61,947.86	4,992.07
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	
23 74 16 13-0078	EA	30 Ton, Air-Cooled Packaged Rooftop Units (AAON RNC-030)	70,242.32	5,852.77
		For Single Zone VAV Controls, Includes Modulating Compressor And Supply Fan, Add	*3,713.74*	
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*2,622.70*	
		For Factory Installed Non-Fused Disconnect, Add	*1,560.51*	
		For Factory Installed Exhaust Fan, Add	*7,618.94*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*679.28*	

23 74 16 13-0079 AAON RND Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (2) variable capacity digital scroll compressor and (2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0080	EA	26 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-026)	94,277.88	4,992.07
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0081	EA	31 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-031)	107,413.85	5,852.77
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0082	EA	40 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-040)	126,495.03	7,832.38
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0083	EA	50 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-050)	148,306.45	9,812.00
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0084	EA	60 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-060)	162,839.88	11,791.61
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	
23 74 16 13-0085	EA	70 Ton, Air-Cooled Packaged Rooftop Units (AAON RND-070)	171,335.48	12,759.96
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,278.38*	
		For Factory Installed Non-Fused Disconnect, Add	*3,551.14*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*4,983.13*	

23 74 16 13-0086 AAON RNE Rooftop Units *(23 74 16 13-0056)*

Note: Includes 2" double wall foam panel construction, direct drive fan with VFD, (1 or 2) variable speed VFD controlled scroll compressor and (1 or 2) on/off compressor, VAV unit controller (varies fan speed and compressor capacity for energy savings year round), cooling only - no heat, factory installed economizer with powered exhaust fans with VFD's, (building static pressure control), Microchannel condenser coils with VFD controlled condenser fans, factory installed non-fused disconnect and factory start up. Excludes roof curb, items not specifically mentioned above. Excludes crane and associated personnel.

23 74 16 13-0087	EA	55 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-055)	158,278.49	10,801.80
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0088	EA	65 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-065)	174,328.88	12,286.57
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0089	EA	75 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-075)	185,347.52	13,254.80
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0090	EA	95 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-090)	224,212.61	17,945.63
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0091	EA	105 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-105)	242,801.83	20,484.70
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0092	EA	120 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-120)	283,202.30	22,550.37
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0093	EA	130 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-130)	290,092.40	23,927.50
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	
23 74 16 13-0094	EA	140 Ton, Air-Cooled Packaged Rooftop Units (AAON RNE-140)	303,948.02	26,767.83
		For Factory Authorized Start Up, 4 Hour, One Trip, Add	*3,703.25*	
		For Factory Installed Non-Fused Disconnect, Add	*5,318.84*	
		For Hot Water Coil In Lieu Of Gas Heat, Add	*7,081.29*	

23 74 16 13-0095 Heat Pump, Packaged Rooftop Heat Pump Units *(23 74 16 13)*

See CSI section 01 22 23 00-0867 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0096 Packaged Rooftop Heat Pump Units *(23 74 16 13-0095)*

Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.

23 74 16 13-0097	EA	2 Ton Packaged Rooftop Heat Pump	7,139.92	1,549.26
		For Economizer With Outside Air Control, Add	*2,098.43*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*253.71*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0098	EA	2.5 Ton Packaged Rooftop Heat Pump	7,517.89	1,665.52
		For Economizer With Outside Air Control, Add	*2,222.73*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*264.86*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0099	EA	3 Ton Packaged Rooftop Heat Pump	7,951.61	1,781.65
		For Economizer With Outside Air Control, Add	*2,358.74*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*278.80*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0100	EA	3.5 Ton Packaged Rooftop Heat Pump	8,532.92	1,917.18
		For Economizer With Outside Air Control, Add	*2,294.17*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*298.83*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0101	EA	4 Ton Packaged Rooftop Heat Pump	9,114.48	2,052.83
		For Economizer With Outside Air Control, Add	*2,452.68*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*318.87*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0102	EA	5 Ton Packaged Rooftop Heat Pump	9,768.97	2,207.76
		For Economizer With Outside Air Control, Add	*2,632.11*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*273.01*	
		For Unit Without Roof Curb, Deduct	*-802.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0103	EA	6 Ton Packaged Rooftop Heat Pump	10,990.20	2,381.97
		For Economizer With Outside Air Control, Add	*2,916.41*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*234.43*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0104	EA	7.5 Ton Packaged Rooftop Heat Pump	14,129.87	2,498.22
		For Economizer With Outside Air Control, Add	*2,961.33*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*323.97*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0105	EA	8.5 Ton Packaged Rooftop Heat Pump	15,804.09	2,691.81
		For Economizer With Outside Air Control, Add	*3,138.21*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*366.45*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0106	EA	10 Ton Packaged Rooftop Heat Pump	16,991.90	2,788.67
		For Economizer With Outside Air Control, Add	*3,186.48*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*265.47*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0107	EA	12.5 Ton Packaged Rooftop Heat Pump	19,710.81	3,021.07
		For Economizer With Outside Air Control, Add	*3,582.31*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*313.65*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0108	EA	15 Ton Packaged Rooftop Heat Pump	22,429.74	3,253.45
		For Economizer With Outside Air Control, Add	*3,978.15*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*361.84*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0109	EA	17.5 Ton Packaged Rooftop Heat Pump	25,120.09	3,485.84
		For Economizer With Outside Air Control, Add	*4,371.13*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*409.45*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0110	EA	20 Ton Packaged Rooftop Heat Pump	27,810.44	3,718.23
		For Economizer With Outside Air Control, Add	*4,764.10*	
		For Upgrade Of Economizer To OS Air Enthalpy Control, Add	*457.06*	
		For Unit Without Roof Curb, Deduct	*-963.39*	

23 74 16 13-0111 Heating Only Packaged Rooftop Units *(23 74 16 13-0095)*

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0112	EA	24 MBH Electric Heating Only, Self Contained Package Rooftop Unit	7,012.71	1,549.26
		For Gas Heat, Add	*449.58*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0113	EA	32 MBH Electric Heating Only, Self Contained Package Rooftop Unit	8,237.01	1,781.65
		For Gas Heat, Add	*529.08*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0114	EA	45 MBH Electric Heating Only, Self Contained Package Rooftop Unit	11,251.92	2,052.83
		For Gas Heat, Add	*732.89*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0115	EA	60 MBH Electric Heating Only, Self Contained Package Rooftop Unit	12,687.75	2,207.76
		For Gas Heat, Add	*829.27*	
		For Unit Without Roof Curb, Deduct	*-802.82*	
23 74 16 13-0116	EA	95 MBH Electric Heating Only, Self Contained Package Rooftop Unit	14,903.96	2,498.22
		For Gas Heat, Add	*976.66*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0117	EA	112 MBH Electric Heating Only, Self Contained Package Rooftop Unit	16,781.21	2,691.81
		For Gas Heat, Add	*1,102.90*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0118	EA	140 MBH Electric Heating Only, Self Contained Package Rooftop Unit	19,836.55	2,788.67
		For Gas Heat, Add	*1,314.19*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0119	EA	170 MBH Electric Heating Only, Self Contained Package Rooftop Unit	25,745.09	3,253.45
		For Gas Heat, Add	*1,715.40*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0120	EA	200 MBH Electric Heating Only, Self Contained Package Rooftop Unit	33,955.19	3,485.84
		For Gas Heat, Add	*2,283.91*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0121	EA	230 MBH Electric Heating Only, Self Contained Package Rooftop Unit	39,616.83	3,718.23
		For Gas Heat, Add	*2,674.03*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0122	EA	270 MBH Electric Heating Only, Self Contained Package Rooftop Unit	51,472.44	4,105.54
		For Gas Heat, Add	*3,493.59*	
		For Unit Without Roof Curb, Deduct	*-963.39*	
23 74 16 13-0123	EA	330 MBH Electric Heating Only, Self Contained Package Rooftop Unit	64,357.17	5,224.46
		For Gas Heat, Add	*4,374.86*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0124	EA	360 MBH Electric Heating Only, Self Contained Package Rooftop Unit	71,932.86	5,267.49
		For Gas Heat, Add	*4,894.83*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0125	EA	450 MBH Electric Heating Only, Self Contained Package Rooftop Unit	87,570.45	6,158.38
		For Gas Heat, Add	*5,965.71*	
		For Unit Without Roof Curb, Deduct	*-1,402.29*	
23 74 16 13-0126	EA	540 MBH Electric Heating Only, Self Contained Package Rooftop Unit	113,570.30	7,940.02
		For Gas Heat, Add	*7,738.19*	
		For Unit Without Roof Curb, Deduct	*-2,125.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units *(23 74)*

23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units *(23 74 23)*

23 74 23 13-0001 Make-Up Air Units *(23 74 23 13)*

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0867 for crane lifting equipment.

23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0868 for crane lifting equipment.

23 74 23 13-0003	EA	100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark	8,124.57	516.42
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,179.16*	
		For Equipment Base Roof Curb, Add	*989.75*	
23 74 23 13-0004	EA	300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	10,512.25	585.28
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*2,858.17*	
		For Equipment Base Roof Curb, Add	*1,284.48*	
23 74 23 13-0005	EA	500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,646.85	688.56
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,049.77*	
		For Equipment Base Roof Curb, Add	*1,796.43*	
23 74 23 13-0006	EA	670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	14,761.01	734.46
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,058.20*	
		For Equipment Base Roof Curb, Add	*1,808.12*	
23 74 23 13-0007	EA	800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark	20,199.17	826.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*5,646.61*	
		For Equipment Base Roof Curb, Add	*2,483.58*	
23 74 23 13-0008	EA	1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark	30,659.34	1,032.84
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,681.38*	
		For Equipment Base Roof Curb, Add	*3,780.78*	

23 74 23 13-0009 Electric Make-Up Air Units *(23 74 23 13-0001)*

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0868 for crane lifting equipment.

23 74 23 13-0010	EA	33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric	16,856.90	516.42
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*4,798.86*	
		For Equipment Base Roof Curb, Add	*2,081.29*	
23 74 23 13-0011	EA	100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric	24,140.54	585.28
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*6,946.65*	
		For Equipment Base Roof Curb, Add	*2,988.02*	
23 74 23 13-0012	EA	150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric	29,920.11	688.56
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*8,631.75*	
		For Equipment Base Roof Curb, Add	*3,705.59*	
23 74 23 13-0013	EA	250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric	38,723.34	826.27
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*11,203.86*	
		For Equipment Base Roof Curb, Add	*4,799.10*	
23 74 23 13-0014	EA	400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric	62,687.98	1,032.84
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	*18,289.97*	
		For Equipment Base Roof Curb, Add	*7,784.36*	

23 76 Evaporative Air-Cooling Equipment *(23 70)*

23 76 13 Direct Evaporative Air-Coolers *(23 76)*

23 76 13 00-0001 Residential Side Or Down Draft Evaporative Cooling Unit *(23 76 13)*

Note: Includes motor, belt and pads.

23 76 13 00-0002	EA	3,000 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,571.40	346.64
23 76 13 00-0003	EA	4,300 CFM, 1/3 HP Residential Side Or Down Draft Evaporative Cooling Unit	1,857.71	404.41
23 76 13 00-0004	EA	4,400 CFM, 1/2 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,423.57	462.19
23 76 13 00-0005	EA	5,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	2,632.93	519.96
23 76 13 00-0006	EA	6,000 CFM, 3/4 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,029.93	577.73
23 76 13 00-0007	EA	7,000 CFM, 1 HP Residential Side Or Down Draft Evaporative Cooling Unit	3,258.05	635.50

23 76 13 00-0008 Industrial Side Draft/Side Discharge Evaporative Coolers *(23 76 13)*

Note: Excludes motor starter, piping, power wiring and equipment rigging.

23 76 13 00-0009	EA	7,500 CFM, 3/4 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,102.14	342.74
23 76 13 00-0010	EA	8,500 CFM, 1 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,201.34	353.83
23 76 13 00-0011	EA	9,500 CFM, 1 1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	3,795.52	491.40
23 76 13 00-0012	EA	11,375 CFM, 2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,235.83	580.06
23 76 13 00-0013	EA	13,020 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	8,860.43	849.20
23 76 13 00-0014	EA	16,267 CFM, 3 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,167.02	905.81
23 76 13 00-0015	EA	15,438 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	9,293.93	1,019.04
23 76 13 00-0016	EA	19,286 CFM, 5 HP Industrial Side Or Down Draft Evaporative Cooling Unit	11,008.06	1,273.81
23 76 13 00-0017	EA	17,672 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	10,957.56	1,665.11
23 76 13 00-0018	EA	22,077 CFM, 7-1/2 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,234.41	1,698.40
23 76 13 00-0019	EA	24,301 CFM, 10 HP Industrial Side Or Down Draft Evaporative Cooling Unit	12,861.39	1,887.15
23 76 13 00-0020	EA	30,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	17,155.33	2,948.65
23 76 13 00-0021	EA	35,000 CFM, 20 HP Industrial Side Or Down Draft Evaporative Cooling Unit	19,288.08	3,076.82
23 76 13 00-0022	EA	40,000 CFM, 30 HP Industrial Side Or Down Draft Evaporative Cooling Unit	21,444.14	3,216.66

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 80 Decentralized Unitary HVAC Equipment *(23)*

Note: Where required, mechanical equipment excludes electrical connection, disconnect, or starter unless title states otherwise. See CSI section 23 05 29 00-0000 for hangers and supports, 26 05 19 16-0011 for electrical connection and termination, 26 05 83 00-0130 for terminations, 26 28 16 16-0001 for disconnect.

23 81 Decentralized Unitary HVAC Equipment *(23 80)*

23 81 13 Packaged Terminal Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13)*

23 81 13 11-0001 Packaged Terminal Air-Conditioners *(23 81 13 11)*

23 81 13 11-0002 Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0003	EA	7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,089.65	216.65
		For >35 To 70, Deduct	*-49.69*	
		For >70 To 100, Deduct	*-82.82*	
		For >100, Deduct	*-115.95*	
23 81 13 11-0004	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,207.76	261.88
		For >35 To 70, Deduct	*-50.54*	
		For >70 To 100, Deduct	*-84.23*	
		For >100, Deduct	*-117.92*	
23 81 13 11-0005	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,336.77	279.09
		For >35 To 70, Deduct	*-53.34*	
		For >70 To 100, Deduct	*-88.90*	
		For >100, Deduct	*-124.45*	
23 81 13 11-0006	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner	2,525.28	300.00
		For >35 To 70, Deduct	*-57.77*	
		For >70 To 100, Deduct	*-96.28*	
		For >100, Deduct	*-134.79*	

23 81 13 11-0007 Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners *(23 81 13 11-0001)*

23 81 13 11-0008	EA	7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,235.18	232.38
		For >35 To 70, Deduct	*-53.14*	
		For >70 To 100, Deduct	*-88.56*	
		For >100, Deduct	*-123.99*	
23 81 13 11-0009	EA	9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,357.55	261.88
		For >35 To 70, Deduct	*-55.03*	
		For >70 To 100, Deduct	*-91.72*	
		For >100, Deduct	*-128.41*	
23 81 13 11-0010	EA	11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,445.32	279.09
		For >35 To 70, Deduct	*-56.59*	
		For >70 To 100, Deduct	*-94.32*	
		For >100, Deduct	*-132.05*	
23 81 13 11-0011	EA	14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner	2,668.56	300.00
		For >35 To 70, Deduct	*-62.06*	
		For >70 To 100, Deduct	*-103.44*	
		For >100, Deduct	*-144.82*	

23 81 13 11-0012 Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve *(23 81 13 11)*

Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.

23 81 13 11-0013	EA	Up To 10,000 BTU Unit, Thru Wall A/C Sleeve	95.91	
23 81 13 11-0014	EA	>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve	108.05	
23 81 13 11-0015	EA	>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve	120.17	

23 81 13 11-0016 Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units *(23 81 13 11)*

Note: Includes storage and cleaning.

23 81 13 11-0017	EA	Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units	231.09	

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units *(23 81 13)*

23 81 13 13-0001 Single Package Vertical Wall Cooling Unit *(23 81 13 13)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0868 for crane lifting equipment.

23 81 13 13-0002	EA	1/2 Ton Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	5,175.51	262.98
23 81 13 13-0003	EA	1 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	7,996.02	275.50
23 81 13 13-0004	EA	1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	10,462.72	288.03
23 81 13 13-0005	EA	2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	12,033.84	313.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 13 13-0006	EA	2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	15,096.02	363.16
23 81 13 13-0007	EA	3 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	16,191.96	450.82
23 81 13 13-0008	EA	3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	17,925.77	500.91
23 81 13 13-0009	EA	4 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	19,739.63	563.53
23 81 13 13-0010	EA	5 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	22,206.55	676.23
23 81 13 13-0011	EA	7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	28,708.81	839.04
23 81 13 13-0012	EA	10 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	34,235.70	1,127.07
23 81 13 13-0013	EA	15 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	48,018.09	1,377.52
23 81 13 13-0014	EA	20 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	55,316.10	1,640.50
23 81 13 13-0015	EA	25 Ton Single Package Cooling, Vertical Wall Unit, Air-To-Air Type With Electric Heat	66,123.87	1,840.87

23 81 16 Room Air-Conditioners *(23 81)*

Note: Units consists of fresh air intake, throwaway filters, exhaust, automatic thermostat, hermetically sealed compressor with 5 year guarantee, "sleeve-type" construction, condensing fan motor enclosed, fan to be aluminum, three wire ground cord, multi speed fan, exposed steel parts to be phosphate bonderized with baked enamel finish and copper tubes mechanically expanded into aluminum of evaporator and condensing coils. Includes equipment rigging. Efficiency Rating (ER) not less than 9.

23 81 16 00-0001 Window Unit, Room Air-Conditioners *(23 81 16)*

23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*

23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0002)*

23 81 16 00-0004	EA	5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	510.36	121.32
		For >10 To 50, Deduct	*-13.39*	
		For >50 To 75, Deduct	*-18.74*	
		For >75 To 100, Deduct	*-26.77*	
		For >100, Deduct	*-32.13*	
23 81 16 00-0005	EA	6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	537.27	121.32
		For >10 To 50, Deduct	*-14.73*	
		For >50 To 75, Deduct	*-20.62*	
		For >75 To 100, Deduct	*-29.46*	
		For >100, Deduct	*-35.35*	
23 81 16 00-0006	EA	8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	604.54	121.32
		For >10 To 50, Deduct	*-18.09*	
		For >50 To 75, Deduct	*-25.33*	
		For >75 To 100, Deduct	*-36.19*	
		For >100, Deduct	*-43.43*	
23 81 16 00-0007	EA	10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	698.71	121.32
		For >10 To 50, Deduct	*-22.80*	
		For >50 To 75, Deduct	*-31.92*	
		For >75 To 100, Deduct	*-45.61*	
		For >100, Deduct	*-54.73*	
23 81 16 00-0008	EA	12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	819.78	121.32
		For >10 To 50, Deduct	*-28.86*	
		For >50 To 75, Deduct	*-40.40*	
		For >75 To 100, Deduct	*-57.71*	
		For >100, Deduct	*-69.26*	
23 81 16 00-0009	EA	15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	954.31	121.32
		For >10 To 50, Deduct	*-35.58*	
		For >50 To 75, Deduct	*-49.82*	
		For >75 To 100, Deduct	*-71.17*	
		For >100, Deduct	*-85.40*	
23 81 16 00-0010	EA	8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	900.50	121.32
		For >10 To 50, Deduct	*-32.89*	
		For >50 To 75, Deduct	*-46.05*	
		For >75 To 100, Deduct	*-65.79*	
		For >100, Deduct	*-78.94*	
23 81 16 00-0011	EA	10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	967.77	121.32
		For >10 To 50, Deduct	*-36.26*	
		For >50 To 75, Deduct	*-50.76*	
		For >75 To 100, Deduct	*-72.51*	
		For >100, Deduct	*-87.01*	
23 81 16 00-0012	EA	12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,021.58	121.32
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	
23 81 16 00-0013	EA	18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,075.39	121.32
		For >10 To 50, Deduct	*-41.64*	
		For >50 To 75, Deduct	*-58.29*	
		For >75 To 100, Deduct	*-83.27*	
		For >100, Deduct	*-99.93*	
23 81 16 00-0014	EA	22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,183.01	121.32
		For >10 To 50, Deduct	*-47.02*	
		For >50 To 75, Deduct	*-65.83*	
		For >75 To 100, Deduct	*-94.04*	
		For >100, Deduct	*-112.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0015	EA	25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2)	1,196.47	121.32
		For >10 To 50, Deduct	*-47.69*	
		For >50 To 75, Deduct	*-66.77*	
		For >75 To 100, Deduct	*-95.38*	
		For >100, Deduct	*-114.46*	
23 81 16 00-0016	EA	28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2)	1,969.29	121.32
		For >10 To 50, Deduct	*-86.33*	
		For >50 To 75, Deduct	*-120.86*	
		For >75 To 100, Deduct	*-172.66*	
		For >100, Deduct	*-207.20*	
23 81 16 00-0017		Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl) *(23 81 16 00-0002)*		
23 81 16 00-0018	EA	8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C)	2,089.71	121.32
23 81 16 00-0019	EA	10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C)	2,295.14	121.32
23 81 16 00-0020	EA	11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C)	2,388.52	121.32
23 81 16 00-0021	EA	12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C)	2,425.87	121.32
23 81 16 00-0022	EA	20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C)	2,762.04	121.32
23 81 16 00-0023	EA	24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C)	3,602.46	121.32
23 81 16 00-0024	EA	28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C)	3,882.60	121.32
23 81 16 00-0025	EA	36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B)	4,256.12	121.32
23 81 16 00-0026		Heating And Cooling, Window Unit, Room Air-Conditioners *(23 81 16 00-0001)*		
23 81 16 00-0027		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire) *(23 81 16 00-0026)*		
23 81 16 00-0028	EA	8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1)	1,021.58	121.32
		For >10 To 50, Deduct	*-38.95*	
		For >50 To 75, Deduct	*-54.53*	
		For >75 To 100, Deduct	*-77.89*	
		For >100, Deduct	*-93.47*	
23 81 16 00-0029	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2)	1,169.56	121.32
		For >10 To 50, Deduct	*-46.35*	
		For >50 To 75, Deduct	*-64.88*	
		For >75 To 100, Deduct	*-92.69*	
		For >100, Deduct	*-111.23*	
23 81 16 00-0030	EA	18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2)	1,250.28	121.32
		For >10 To 50, Deduct	*-50.38*	
		For >50 To 75, Deduct	*-70.53*	
		For >75 To 100, Deduct	*-100.76*	
		For >100, Deduct	*-120.92*	
23 81 16 00-0031	EA	25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2)	1,546.25	121.32
		For >10 To 50, Deduct	*-65.18*	
		For >50 To 75, Deduct	*-91.25*	
		For >75 To 100, Deduct	*-130.36*	
		For >100, Deduct	*-156.43*	
23 81 16 00-0032		Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 16 00-0026)*		
23 81 16 00-0033	EA	12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B)	2,519.25	121.32
23 81 16 00-0034		Accessories *(23 81 16 00-0001)*		
23 81 16 00-0035	SET	Aluminum Air Conditioner Unit Frame And Bracket Assembly	625.57	67.62
23 81 16 00-0036		Removal And Reinstallation Of Room Air-Conditioners *(23 81 16)*		
		Note: Includes storage and cleaning.		
23 81 16 00-0037	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash	144.43	
23 81 16 00-0038	EA	Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash	310.18	
23 81 16 00-0039		Through-The-Wall, Room Air-Conditioners *(23 81 16)*		
		Note: Base unit excludes wall sleeve.		
23 81 16 00-0040		Cooling Only, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*		
23 81 16 00-0041		Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0040)*		
23 81 16 00-0042	EA	8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A)	1,572.15	86.66
		For >10 To 50, Deduct	*-69.94*	
		For >50 To 75, Deduct	*-97.92*	
		For >75 To 100, Deduct	*-139.88*	
		For >100, Deduct	*-167.86*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0043	EA	9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B)	1,702.88	86.66
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	
23 81 16 00-0044	EA	12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A)	1,945.67	86.66
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	
23 81 16 00-0045	EA	10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A)	1,702.88	86.66
		For >10 To 50, Deduct	*-76.48*	
		For >50 To 75, Deduct	*-107.07*	
		For >75 To 100, Deduct	*-152.96*	
		For >100, Deduct	*-183.55*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	
23 81 16 00-0046	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A)	1,945.67	86.66
		For >10 To 50, Deduct	*-88.62*	
		For >50 To 75, Deduct	*-124.06*	
		For >75 To 100, Deduct	*-177.24*	
		For >100, Deduct	*-212.68*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	

23 81 16 00-0047 Heating And Cooling, Through-The-Wall, Room Air-Conditioners *(23 81 16 00-0039)*

23 81 16 00-0048 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 16 00-0047)*

23 81 16 00-0049	EA	10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33)	2,001.70	86.66
		For >10 To 50, Deduct	*-91.42*	
		For >50 To 75, Deduct	*-127.99*	
		For >75 To 100, Deduct	*-182.84*	
		For >100, Deduct	*-219.41*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	
23 81 16 00-0050	EA	12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33)	2,151.11	86.66
		For >10 To 50, Deduct	*-98.89*	
		For >50 To 75, Deduct	*-138.45*	
		For >75 To 100, Deduct	*-197.78*	
		For >100, Deduct	*-237.33*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	

23 81 23 Computer-Room Air-Conditioners *(23 81)*

Note: Includes equipment rigging. Indoor units include filters.

23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units *(23 81 23)*

23 81 23 12-0001 Floor Mounted Air-Cooled Direct Expansion Type *(23 81 23 12)*

Note: Includes compressor sequence switch, mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, condensate pump, and outdoor air-cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA	3 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	42,348.67	2,466.22
		For Liebert Unit, Add	*4,830.66*	
23 81 23 12-0003	EA	5 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	46,744.12	2,697.42
		For Liebert Unit, Add	*5,334.45*	
23 81 23 12-0004	EA	6 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	70,069.63	3,082.77
		For Liebert Unit, Add	*8,185.56*	
23 81 23 12-0005	EA	8 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	74,680.68	3,275.44
		For Liebert Unit, Add	*8,726.12*	
23 81 23 12-0006	EA	10 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	79,291.74	3,468.12
		For Liebert Unit, Add	*9,266.68*	
23 81 23 12-0007	EA	16 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	93,308.90	4,161.73
		For Liebert Unit, Add	*10,878.65*	
23 81 23 12-0008	EA	20 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	105,490.64	4,624.15
		For Liebert Unit, Add	*12,326.61*	
23 81 23 12-0009	EA	22 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	116,498.85	4,776.67
		For Liebert Unit, Add	*13,669.76*	
23 81 23 12-0010	EA	24 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	126,230.19	4,932.43
		For Liebert Unit, Add	*14,852.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0011	EA	30 Ton Air-Cooled Computer Room Air Conditioner, Direct Expansion Type Note: Includes interior unit and remote condenser. Excludes piping.	136,443.02	5,548.98
		For Liebert Unit, Add	*16,023.72*	

23 81 23 12-0012 Floor Mounted Chilled Water Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.

23 81 23 12-0013	EA	3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	25,308.96	1,689.86
		For Liebert Unit, Add	*2,881.98*	
23 81 23 12-0014	EA	5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	27,193.42	1,871.84
		For Liebert Unit, Add	*3,087.20*	
23 81 23 12-0015	EA	12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	33,594.22	2,851.09
		For Liebert Unit, Add	*3,724.10*	
23 81 23 12-0016	EA	16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	35,129.75	2,888.66
		For Liebert Unit, Add	*3,909.83*	
23 81 23 12-0017	EA	20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	36,478.88	3,004.20
		For Liebert Unit, Add	*4,057.24*	
23 81 23 12-0018	EA	22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	37,320.35	3,293.06
		For Liebert Unit, Add	*4,116.20*	
23 81 23 12-0019	EA	31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source	39,582.66	3,581.93
		For Liebert Unit, Add	*4,352.05*	

23 81 23 12-0020 Floor Mounted Water Source For Computer Room Air Conditioner *(23 81 23 12)*

Note: Excludes computer room air conditioner

23 81 23 12-0021	EA	3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	19,568.06	1,541.38
		For Liebert Unit, Add	*2,158.07*	
23 81 23 12-0022	EA	5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	21,543.08	1,618.45
		For Liebert Unit, Add	*2,390.47*	
23 81 23 12-0023	EA	6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	27,965.88	1,695.53
		For Liebert Unit, Add	*3,179.00*	
23 81 23 12-0024	EA	8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	30,135.17	1,849.66
		For Liebert Unit, Add	*3,419.70*	
23 81 23 12-0025	EA	9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	31,711.74	1,926.97
		For Liebert Unit, Add	*3,602.31*	
23 81 23 12-0026	EA	10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	33,288.32	2,003.80
		For Liebert Unit, Add	*3,784.91*	
23 81 23 12-0027	EA	12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	34,587.42	2,157.94
		For Liebert Unit, Add	*3,917.72*	
23 81 23 12-0028	EA	16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	36,108.65	2,312.07
		For Liebert Unit, Add	*4,083.72*	
23 81 23 12-0029	EA	20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	37,182.15	2,466.22
		For Liebert Unit, Add	*4,190.70*	
23 81 23 12-0030	EA	25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit	42,447.23	2,928.63
		For Liebert Unit, Add	*4,758.81*	

23 81 23 12-0031 Floor Mounted Glycol System Type *(23 81 23 12)*

Note: Includes mode alert monitor, locking or non-locking disconnect switch, smoke sensor, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and condensate pump. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.

23 81 23 12-0032	EA	3 Ton Computer Room Air Conditioner, Glycol System Type	51,684.97	1,689.86
		For Drycooler, Add *Note: Installation is externally mounted.*	*18,427.71*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0033	EA	5 Ton Computer Room Air Conditioner, Glycol System Type	55,605.77	1,871.84
		For Drycooler, Add *Note: Installation is externally mounted.*	*19,836.39*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0034	EA	6 Ton Computer Room Air Conditioner, Glycol System Type	72,816.29	2,097.16
		For Drycooler, Add *Note: Installation is externally mounted.*	*25,905.13*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0035	EA	8 Ton Computer Room Air Conditioner, Glycol System Type	84,268.65	2,322.48
		For Drycooler, Add *Note: Installation is externally mounted.*	*29,958.52*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0036	EA	9 Ton Computer Room Air Conditioner, Glycol System Type	89,034.99	2,435.13
		For Drycooler, Add *Note: Installation is externally mounted.*	*31,649.27*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0037	EA	10 Ton Computer Room Air Conditioner, Glycol System Type	95,095.74	2,547.79
		For Drycooler, Add *Note: Installation is externally mounted.*	*33,793.07*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0038	EA	12 Ton Computer Room Air Conditioner, Glycol System Type	101,560.69	2,661.02
		For Drycooler, Add *Note: Installation is externally mounted.*	*36,078.33*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0039	EA	15 Ton Computer Room Air Conditioner, Glycol System Type	109,071.19	2,761.55
		For Drycooler, Add *Note: Installation is externally mounted.*	*38,729.54*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0040	EA	16 Ton Computer Room Air Conditioner, Glycol System Type	116,168.29	2,888.66
		For Drycooler, Add	*41,239.52*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0041	EA	20 Ton Computer Room Air Conditioner, Glycol System Type	127,472.30	3,004.20
		For Drycooler, Add	*45,218.46*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0042	EA	22 Ton Computer Room Air Conditioner, Glycol System Type	132,095.28	3,293.06
		For Drycooler, Add	*46,891.97*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	
23 81 23 12-0043	EA	30 Ton Computer Room Air Conditioner, Glycol System Type	161,158.18	3,581.93
		For Drycooler, Add	*57,120.31*	
		Note: Installation is externally mounted.		
		For 10 HP Glycol Pump, Add	*21,500.00*	
		For Remote Pump Control Panel, Add	*7,630.00*	
		For Integrated Fluid Econocoil (Economizer Functionality), Add	*8,700.00*	

23 81 23 12-0044 Removal And Reinstallation Of Computer Room Unit *(23 81 23 12)*

Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.

23 81 23 12-0045	EA	Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit	2,310.92	
23 81 23 12-0046	EA	Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit	1,925.77	

23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units *(23 81 23)*

23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner *(23 81 23 13)*

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand, and outdoor air-cooled condenser complete with fan speed control.

23 81 23 13-0002	EA	1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	16,844.27	732.57
		For Liebert Unit, Add	*1,968.24*	
23 81 23 13-0003	EA	1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	18,612.05	879.77
		For Liebert Unit, Add	*2,161.63*	
23 81 23 13-0004	EA	2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	21,240.60	1,101.04
		For Liebert Unit, Add	*2,448.74*	
23 81 23 13-0005	EA	3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	26,109.57	1,284.53
		For Liebert Unit, Add	*3,022.98*	
23 81 23 13-0006	EA	5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System	35,464.73	1,396.14
		For Liebert Unit, Add	*4,171.44*	

23 81 26 Split-System Air-Conditioners *(23 81)*

23 81 26 13 Small-Capacity Split-System Air-Conditioners *(23 81 26)*

23 81 26 13-0001 Split System A/C Unit *(23 81 26 13)*

See CSI section 23 23 16 00-0001 for piping.

23 81 26 13-0002 Ductless Split System Air Conditioners *(23 81 26 13-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0025 for ductless heat pumps.

23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

23 81 26 13-0004	EA	9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,212.72	381.30
23 81 26 13-0005	EA	11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,397.23	415.96
23 81 26 13-0006	EA	17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,989.47	462.19
23 81 26 13-0007	EA	24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,321.37	508.41
23 81 26 13-0008	EA	25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,082.16	554.62
23 81 26 13-0009	EA	29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,906.89	577.73
23 81 26 13-0010	EA	31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,478.33	615.86

23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)*

Note: Use this section only when matching indoor and outdoor capacity units are not used.

23 81 26 13-0012	EA	7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	956.35	184.88
23 81 26 13-0013	EA	9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,011.28	196.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0014	EA	11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,067.09	207.99
23 81 26 13-0015	EA	17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,204.62	219.54
23 81 26 13-0016	EA	24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes indoor unit and wireless thermostat.	1,288.26	231.09
23 81 26 13-0017	EA	19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,617.54	277.31
23 81 26 13-0018	EA	25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	2,895.26	300.42
23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners Note: Includes outdoor unit and refrigerant charge.	4,555.48	323.53
23 81 26 13-0020		Suspended Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)* Note: Excludes hangers.		
23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,435.27	554.62
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,624.09	662.08
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,066.64	693.27
23 81 26 13-0024		Recessed Ceiling Mounted Ductless Split System Air Conditioners *(23 81 26 13-0002)* Note: Excludes hangers.		
23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,353.05	462.19
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,905.80	508.41
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,416.16	600.84
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,265.00	662.08
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,887.09	693.27
23 81 26 13-0030		Ductless Split System Accessories *(23 81 26 13-0002)*		
23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	14.32	1.66
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	18.54	1.82
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.18	2.00
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	23.90	3.11
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	41.77	3.41
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.64	3.75
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	59.91	6.21
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.48	6.83
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	112.22	7.52
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	80.51	6.62
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	94.60	7.29
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	147.60	8.01
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	59.91	6.21
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	100.48	6.83
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers	112.22	7.52
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	77.29	10.36
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	114.28	11.38
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers	137.08	12.52
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers	44.94	2.07
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	47.82	6.21
23 81 26 13-0051	EA	4" x 20' Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	78.72	6.83
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	42.98	6.21
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	59.37	6.83
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers	63.86	7.52
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	216.11	8.28
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers	245.22	9.11
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps	127.92	31.06
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps	141.45	33.12
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps	196.09	35.19
23 81 26 13-0060	EA	End Cap, Set of 4	24.16	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 Lb. Capacity	272.94	62.10
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 Lb. Capacity	289.62	66.24
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line	3.19	0.16
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line	3.30	0.16
23 81 26 13-0065		Cased A/C Evaporator Coils *(23 81 26 13-0001)*		
23 81 26 13-0066		Vertical Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil	894.47	122.95
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil	931.06	132.17
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil	1,115.55	141.38
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil	1,276.70	150.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil	1,486.15	156.76
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil	1,664.49	162.90
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil	1,787.67	175.20
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil	1,795.75	184.42
23 81 26 13-0075		"A" Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,108.18	126.02
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,280.50	133.09
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,472.35	141.38
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,525.29	146.49
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,596.76	153.69
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,612.90	161.67
23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil	1,628.73	169.66
23 81 26 13-0083		Slab Style Horizontal Cased A/C Evaporator Coils *(23 81 26 13-0065)*		
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil	960.30	126.02
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,158.43	141.38
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,342.51	153.69
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil	1,626.14	169.66
23 81 26 16		**Large-Capacity Split-System Air-Conditioners** *(23 81 26)*		
23 81 26 16-0001		Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) *(23 81 26 16)*		
23 81 26 16-0002		Outdoor Units *(23 81 26 16-0001)*		
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A)	17,126.87	606.62
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A)	18,566.21	722.16
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A)	20,899.78	866.60
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A)	25,738.87	895.48
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A)	34,254.32	924.37
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A)	35,520.33	953.25
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A)	36,786.34	982.14
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A)	38,946.60	1,039.91
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A)	41,106.86	1,097.69
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A)	46,003.73	1,155.46
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A)	50,900.60	1,213.23
23 81 26 16-0014		Indoor Units *(23 81 26 16-0001)*		
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2)	1,769.64	187.77
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2)	1,860.49	202.21
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2)	1,941.01	216.65
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2)	2,037.03	231.09
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2)	2,206.31	274.42
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2)	2,463.32	332.19
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2)	2,668.77	361.08
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3)	2,566.21	206.54
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3)	2,654.79	222.43
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3)	2,800.17	238.32
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3)	3,038.48	254.20
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3)	3,206.09	301.86
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3)	3,519.06	365.41
23 81 26 16-0028	EA	27 MBH Cooling, 30 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P27NMAU-E3)	3,700.59	381.30
23 81 26 16-0029	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3)	3,902.76	397.19
23 81 26 16-0030	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3)	4,328.14	436.91
23 81 26 16-0031	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3)	4,797.62	480.60
23 81 26 16-0032	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3)	5,193.21	528.66
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E)	6,584.63	581.52
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E)	7,475.46	639.67
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E)	2,916.86	238.32
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E)	3,075.66	254.20
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E)	3,246.37	301.86
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E)	3,638.85	365.41
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E)	3,920.31	397.19
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E)	4,798.01	436.91
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5)	2,623.01	206.54
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5)	2,758.06	222.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5)	2,965.40	238.32
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5)	3,121.10	254.20
23 81 26 16-0045	EA	8 MBH Cooling, 9 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4)	2,427.60	222.43
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4)	2,552.32	238.32
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4)	2,682.21	254.20
23 81 26 16-0048		Controllers For Outdoor Units *(23 81 26 16-0001)*		
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1)	9,279.35	173.32
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1)	10,731.24	202.21
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA)	11,857.84	231.09
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA)	14,073.92	259.98
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB)	5,172.48	115.54
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB)	7,967.84	173.32
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB)	12,178.95	259.98
23 81 26 16-0056		Energy Recovery Units *(23 81 26 16-0001)*		
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU)	6,563.39	173.32
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU)	12,429.03	173.32
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR)	12,605.56	202.21
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E)	2,612.41	144.43
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E)	3,331.34	150.20
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E)	3,972.83	155.99
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1)	7,250.12	173.32
23 81 26 16-0064		Piping Specialties *(23 81 26 16-0001)*		
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E)	919.09	
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2)	247.07	46.70
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2)	247.07	46.70
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2)	273.88	49.16
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2)	342.96	55.31
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E)	448.92	79.88
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E)	763.59	159.77
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI)	137.42	19.67
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI)	155.28	27.03
23 81 26 16-0074		Split System Air Conditioners (Daikin VRV) *(23 81 26 16)*		
23 81 26 16-0075		Heat Pump Outdoor Units *(23 81 26 16-0074)*		
23 81 26 16-0076	EA	6 Ton Heat Pump Outdoor Unit (Daikin)	26,174.91	606.62
23 81 26 16-0077	EA	8 Ton Heat Pump Outdoor Unit (Daikin)	29,252.51	722.16
23 81 26 16-0078	EA	10 Ton Heat Pump Outdoor Unit (Daikin)	32,606.84	866.60
23 81 26 16-0079	EA	12 Ton Heat Pump Outdoor Unit (Daikin)	40,766.21	895.48
23 81 26 16-0080	EA	14 Ton Heat Pump Outdoor Unit (Daikin)	54,676.37	953.25
23 81 26 16-0081	EA	16 Ton Heat Pump Outdoor Unit (Daikin)	57,799.61	982.14
23 81 26 16-0082	EA	18 Ton Heat Pump Outdoor Unit (Daikin)	60,761.67	1,039.91
23 81 26 16-0083	EA	20 Ton Heat Pump Outdoor Unit (Daikin)	63,942.68	1,097.69
23 81 26 16-0084	EA	22 Ton Heat Pump Outdoor Unit (Daikin)	82,888.97	1,155.46
23 81 26 16-0085	EA	24 Ton Heat Pump Outdoor Unit (Daikin)	86,069.98	1,213.23
23 81 26 16-0086	EA	26 Ton Heat Pump Outdoor Unit (Daikin)	89,250.99	1,271.00
23 81 26 16-0087	EA	28 Ton Heat Pump Outdoor Unit (Daikin)	92,213.05	1,328.78
23 81 26 16-0088	EA	30 Ton Heat Pump Outdoor Unit (Daikin)	95,394.06	1,386.56
23 81 26 16-0089		Heat Recovery Heat Pump Outdoor Units *(23 81 26 16-0074)*		
23 81 26 16-0090	EA	6 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	33,518.81	788.61
23 81 26 16-0091	EA	8 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	36,543.86	938.81
23 81 26 16-0092	EA	10 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	40,133.58	1,126.58
23 81 26 16-0093	EA	12 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	50,499.92	1,164.13
23 81 26 16-0094	EA	14 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	68,386.05	1,239.23
23 81 26 16-0095	EA	16 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	73,716.24	1,276.78
23 81 26 16-0096	EA	18 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	76,494.00	1,351.88
23 81 26 16-0097	EA	20 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	79,271.75	1,427.00
23 81 26 16-0098	EA	22 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	104,493.12	1,502.10
23 81 26 16-0099	EA	24 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	107,270.87	1,577.20
23 81 26 16-0100	EA	26 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	112,676.18	1,652.30
23 81 26 16-0101	EA	28 Ton Heat Recovery Heat Pump Outdoor Unit (Daikin)	115,453.92	1,727.42
23 81 26 16-0102		Indoor Units *(23 81 26 16-0074)*		
23 81 26 16-0103	EA	7.5 MBH Cooling, 8.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	2,965.85	202.21
23 81 26 16-0104	EA	9.5 MBH Cooling, 10.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,099.28	207.99
23 81 26 16-0105	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,511.15	216.65

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23 81 26 16-0106	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Daikin)	3,928.30	274.42
23 81 26 16-0107	EA	24 MBH Cooling, 26.5 MBH Heating Wall Mounted Indoor Unit (Daikin)	4,304.12	332.19
23 81 26 16-0108	EA	7.5 MBH Cooling, 8.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,361.38	222.43
23 81 26 16-0109	EA	9.5 MBH Cooling, 10.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,508.36	228.78
23 81 26 16-0110	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	4,736.06	127.10
23 81 26 16-0111	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,018.09	301.86
23 81 26 16-0112	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	5,944.60	365.41
23 81 26 16-0113	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	6,803.44	397.19
23 81 26 16-0114	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,267.10	436.91
23 81 26 16-0115	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Daikin)	7,509.41	480.60
23 81 26 16-0116	EA	7.5 MBH Cooling, 8.7 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	4,886.06	222.43
23 81 26 16-0117	EA	9.5 MBH Cooling, 11.1 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,002.06	228.78
23 81 26 16-0118	EA	12 MBH Cooling, 14 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,320.65	238.32
23 81 26 16-0119	EA	18 MBH Cooling, 21 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Daikin)	5,664.65	301.86
23 81 26 16-0120		**Branch Selector Boxes** *(23 81 26 16-0074)*		
23 81 26 16-0121	EA	144 MBH, 4 Branch, Multi Port Branch Selector Box (Daikin)	14,971.46	259.98
23 81 26 16-0122	EA	216 MBH, 6 Branch, Multi Port Branch Selector Box (Daikin)	22,151.55	346.64
23 81 26 16-0123	EA	36 MBH, 4 Branch, Single Port Branch Selector Box (Daikin)	2,937.13	115.54
23 81 26 16-0124	EA	60 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	3,955.38	173.32
23 81 26 16-0125	EA	96 MBH, 8 Branch, Single Port Branch Selector Box (Daikin)	4,899.20	259.98
23 81 26 16-0126		**Controllers** *(23 81 26 16-0074)*		
23 81 26 16-0127	EA	Up To 16 Units, Navigation Controller (Daikin)	902.44	23.11
23 81 26 16-0128	EA	Individual Zone Controller (Daikin)	646.29	23.11
23 81 26 16-0129	EA	Up To 16 Groups, Unified ON/OFF Controller (Daikin)	1,272.19	23.11
23 81 26 16-0130	EA	Up To 64 Units, Multizone Controller (Daikin)	1,790.68	23.11
23 81 26 16-0131	EA	I-Touch Manager Replaced Both Daikin IMP-128 thru 1024 and DCS601C71 (Daikin)	16,613.16	277.31
23 81 26 16-0132	EA	I-Touch Manager D3net Plus Adapter (Daikin)	3,123.04	23.11
23 81 26 16-0133	EA	24 Volt AC, Wired Thermostat For Split A/C Systems (Daikin)	683.79	40.78
23 81 26 16-0134		**Energy Recovery Units** *(23 81 26 16-0074)*		
23 81 26 16-0135	EA	300 CFM Energy Recovery Unit (Daikin)	5,161.81	144.43
23 81 26 16-0136	EA	470 CFM Energy Recovery Unit (Daikin)	6,706.09	150.20
23 81 26 16-0137	EA	600 CFM Energy Recovery Unit (Daikin)	8,031.42	155.99
23 81 26 16-0138	EA	1,200 CFM Energy Recovery Unit (Daikin)	15,017.10	173.32

23 81 43 Air-Source Unitary Heat Pumps *(23 81)*

23 81 43 00-0001 Single Package Thru-Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 22 23 00-0868 for crane lifting equipment.

23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,319.06	187.84
		For Unit Economizer, Add	*310.14*	
		For >35 To 70, Deduct	*-58.68*	
		For >70 To 100, Deduct	*-97.80*	
		For >100, Deduct	*-136.91*	
		For Low Ambient Protection, 0 Degree F, Add	*266.82*	
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	2,561.44	200.37
		For Unit Economizer, Add	*343.07*	
		For >35 To 70, Deduct	*-65.20*	
		For >70 To 100, Deduct	*-108.66*	
		For >100, Deduct	*-152.13*	
		For Low Ambient Protection, 0 Degree F, Add	*292.64*	
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,386.94	200.37
		For Unit Economizer, Add	*598.64*	
		For >35 To 70, Deduct	*-119.96*	
		For >70 To 100, Deduct	*-199.94*	
		For >100, Deduct	*-279.91*	
		For Low Ambient Protection, 0 Degree F, Add	*456.94*	
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	4,803.17	200.37
		For Unit Economizer, Add	*655.91*	
		For >35 To 70, Deduct	*-131.70*	
		For >70 To 100, Deduct	*-219.50*	
		For >100, Deduct	*-307.29*	
		For Low Ambient Protection, 0 Degree F, Add	*235.01*	
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,436.72	212.89
		For Unit Economizer, Add	*743.61*	
		For >35 To 70, Deduct	*-149.95*	
		For >70 To 100, Deduct	*-249.92*	
		For >100, Deduct	*-349.89*	
		For Low Ambient Protection, 0 Degree F, Add	*259.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	5,697.51	225.41
		For Unit Economizer, Add	*780.12*	
		For >35 To 70, Deduct	*-157.78*	
		For >70 To 100, Deduct	*-262.96*	
		For >100, Deduct	*-368.14*	
		For Low Ambient Protection, 0 Degree F, Add	*793.27*	
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	6,417.99	225.41
		For Unit Economizer, Add	*879.98*	
		For >35 To 70, Deduct	*-178.64*	
		For >70 To 100, Deduct	*-297.73*	
		For >100, Deduct	*-416.82*	
		For Low Ambient Protection, 0 Degree F, Add	*889.94*	
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	7,082.48	237.93
		For Unit Economizer, Add	*972.51*	
		For >35 To 70, Deduct	*-198.20*	
		For >70 To 100, Deduct	*-330.33*	
		For >100, Deduct	*-462.46*	
		For Low Ambient Protection, 0 Degree F, Add	*977.83*	
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	8,157.29	275.50
		For Unit Economizer, Add	*1,119.98*	
		For >35 To 70, Deduct	*-228.19*	
		For >70 To 100, Deduct	*-380.31*	
		For >100, Deduct	*-532.44*	
		For Low Ambient Protection, 0 Degree F, Add	*1,126.57*	
23 81 43 00-0011	EA	7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	14,963.53	325.59
		For Unit Economizer, Add	*2,068.35*	
		For >35 To 70, Deduct	*-428.99*	
		For >70 To 100, Deduct	*-714.99*	
		For >100, Deduct	*-1,000.99*	
		For Low Ambient Protection, 0 Degree F, Add	*2,024.90*	
23 81 43 00-0012	EA	10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	19,267.99	413.25
		For Unit Economizer, Add	*2,663.96*	
		For >35 To 70, Deduct	*-552.87*	
		For >70 To 100, Deduct	*-921.45*	
		For >100, Deduct	*-1,290.03*	
		For Low Ambient Protection, 0 Degree F, Add	*394.05*	
23 81 43 00-0013	EA	12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	23,528.24	463.35
		For Unit Economizer, Add	*3,256.89*	
		For >35 To 70, Deduct	*-678.05*	
		For >70 To 100, Deduct	*-1,130.08*	
		For >100, Deduct	*-1,582.11*	
		For Low Ambient Protection, 0 Degree F, Add	*457.69*	
23 81 43 00-0014	EA	15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	29,030.55	525.96
		For Unit Economizer, Add	*4,022.70*	
		For >35 To 70, Deduct	*-839.73*	
		For >70 To 100, Deduct	*-1,399.56*	
		For >100, Deduct	*-1,959.38*	
		For Low Ambient Protection, 0 Degree F, Add	*539.76*	
23 81 43 00-0015	EA	20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	38,680.40	563.53
		For Unit Economizer, Add	*5,370.17*	
		For >35 To 70, Deduct	*-1,126.60*	
		For >70 To 100, Deduct	*-1,877.67*	
		For >100, Deduct	*-2,628.73*	
		For Low Ambient Protection, 0 Degree F, Add	*657.30*	
23 81 43 00-0016	EA	25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat	46,604.20	613.62
		For Unit Economizer, Add	*6,475.50*	
		For >35 To 70, Deduct	*-1,361.31*	
		For >70 To 100, Deduct	*-2,268.85*	
		For >100, Deduct	*-3,176.39*	
		For Low Ambient Protection, 0 Degree F, Add	*760.58*	

23 81 43 00-0017 Single Package Vertical Wall Heat Pumps *(23 81 43)*

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0868 for crane lifting equipment.

23 81 43 00-0018	EA	1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	3,564.66	250.46
23 81 43 00-0019	EA	1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	4,328.84	275.50
23 81 43 00-0020	EA	1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	5,602.22	288.03
23 81 43 00-0021	EA	2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	6,424.31	313.07
23 81 43 00-0022	EA	2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,035.63	363.16
23 81 43 00-0023	EA	3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	8,583.20	413.25
23 81 43 00-0024	EA	3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	9,320.08	463.35
23 81 43 00-0025	EA	4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	10,487.91	513.44
23 81 43 00-0026	EA	5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat	11,821.63	613.62

23 81 43 00-0027 Heat Pump, Room Air-Conditioners *(23 81 43)*

Note: Includes throwaway filters and supplemental heat.

23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners *(23 81 43 00-0027)*

23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) *(23 81 43 00-0028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0030	EA	10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C)	2,575.28	121.32
		For >10 To 50, Deduct	*-116.63*	
		For >50 To 75, Deduct	*-163.28*	
		For >75 To 100, Deduct	*-233.26*	
		For >100, Deduct	*-279.92*	
23 81 43 00-0031	EA	12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C)	2,911.45	121.32
		For >10 To 50, Deduct	*-133.44*	
		For >50 To 75, Deduct	*-186.82*	
		For >75 To 100, Deduct	*-266.88*	
		For >100, Deduct	*-320.26*	
23 81 43 00-0032	EA	17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A)	3,415.70	121.32
		For >10 To 50, Deduct	*-158.65*	
		For >50 To 75, Deduct	*-222.11*	
		For >75 To 100, Deduct	*-317.31*	
		For >100, Deduct	*-380.77*	
23 81 43 00-0033	EA	24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D)	3,975.98	121.32
		For >10 To 50, Deduct	*-186.67*	
		For >50 To 75, Deduct	*-261.33*	
		For >75 To 100, Deduct	*-373.33*	
		For >100, Deduct	*-448.00*	

23 81 43 00-0034 Heat Pump, Through-The-Wall, Room Air-Conditioners *(23 81 43 00-0027)*

Note: Base unit excludes wall sleeve.

23 81 43 00-0035 Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) *(23 81 43 00-0034)*

23 81 43 00-0036	EA	9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D)	2,599.33	86.66
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	
23 81 43 00-0037	EA	11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A)	2,599.33	86.66
		For >10 To 50, Deduct	*-121.30*	
		For >50 To 75, Deduct	*-169.82*	
		For >75 To 100, Deduct	*-242.60*	
		For >100, Deduct	*-291.12*	
		For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add	*279.67*	

23 81 46 Water-Source Unitary Heat Pumps *(23 81)*

23 81 46 00-0001 Horizontal, Ceiling Mounted, Single Stage, 208/230-1-60, With 2-Way Solenoid Valve, Water Source Heat Pumps *(23 81 46)*

Note: Includes rubber isolator hanger brackets.

23 81 46 00-0002	EA	1/2 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,399.25	245.90
23 81 46 00-0003	EA	3/4 Ton, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	5,579.52	245.90
23 81 46 00-0004	EA	1 Ton, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,465.98	270.49
23 81 46 00-0005	EA	1-1/2 Ton, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	6,799.59	295.07
23 81 46 00-0006	EA	2 Ton, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	7,289.44	319.66
23 81 46 00-0007	EA	2-1/2 Ton, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,620.57	344.25
23 81 46 00-0008	EA	3 Ton, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	8,789.92	368.85
23 81 46 00-0009	EA	3-1/2 Ton, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	9,600.27	393.43
23 81 46 00-0010	EA	4 Ton, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,250.35	418.02
23 81 46 00-0011	EA	5 Ton, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump	10,399.68	442.61

23 81 49 Split System Heat Pumps *(23 81)*

23 81 49 00-0001 Split System Heat Pump *(23 81 49)*

See CSI section 23 23 16 00-0001 for piping.

23 81 49 00-0002 Air-Cooled, Outdoor Section *(23 81 49 00-0001)*

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0003	EA	1.5 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,482.60	371.93
		For Low Ambient Protection, 0 Degree F, Add	*807.12*	
		For Winterstart Control, Add	*213.12*	
		For 15 SEER, Add	*705.43*	
		For 16 SEER, Add	*1,136.53*	
		For 18 SEER, Add	*1,724.39*	
23 81 49 00-0004	EA	2 Ton, 14 SEER, Outdoor Heat Pump Unit Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.	4,621.59	413.25
		For Low Ambient Protection, 0 Degree F, Add	*835.76*	
		For Winterstart Control, Add	*222.43*	
		For 15 SEER, Add	*719.18*	
		For 16 SEER, Add	*1,158.68*	
		For 18 SEER, Add	*1,758.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0005	EA	2.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,048.37	479.63
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*916.33*	
		For Winterstart Control, Add	*245.51*	
		For 15 SEER, Add	*777.97*	
		For 16 SEER, Add	*1,253.39*	
		For 18 SEER, Add	*1,901.70*	
23 81 49 00-0006	EA	3 Ton, 14 SEER, Outdoor Heat Pump Unit	5,509.87	551.00
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*769.72*	
		For Winterstart Control, Add	*270.49*	
		For 15 SEER, Add	*841.49*	
		For 16 SEER, Add	*1,355.74*	
		For 18 SEER, Add	*2,056.99*	
23 81 49 00-0007	EA	3.5 Ton, 14 SEER, Outdoor Heat Pump Unit	5,684.14	572.30
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*794.80*	
		For Winterstart Control, Add	*279.38*	
		For 15 SEER, Add	*867.09*	
		For 16 SEER, Add	*1,396.99*	
		For 18 SEER, Add	*2,119.56*	
23 81 49 00-0008	EA	4 Ton, 14 SEER, Outdoor Heat Pump Unit	6,314.78	657.45
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*879.87*	
		For Winterstart Control, Add	*308.94*	
		For 15 SEER, Add	*967.60*	
		For 16 SEER, Add	*1,558.91*	
		For 18 SEER, Add	*2,365.25*	
23 81 49 00-0009	EA	5 Ton, 14 SEER, Outdoor Heat Pump Unit	7,190.94	723.20
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*566.18*	
		For Winterstart Control, Add	*164.89*	
		For 15 SEER, Add	*1,108.40*	
		For 16 SEER, Add	*1,785.76*	
		For 18 SEER, Add	*2,709.43*	
23 81 49 00-0010	EA	7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit	7,882.01	808.83
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*625.19*	
		For Winterstart Control, Add	*182.81*	
23 81 49 00-0011	EA	10 Ton, 11.1 EER, Outdoor Heat Pump Unit	10,911.28	970.58
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*427.79*	
		For Winterstart Control, Add	*234.10*	
23 81 49 00-0012	EA	15 Ton, 10.9 EER, Outdoor Heat Pump Unit	14,360.19	1,132.35
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*484.04*	
		For Winterstart Control, Add	*288.84*	
23 81 49 00-0013	EA	20 Ton, 10.3 EER, Outdoor Heat Pump Unit	25,849.19	1,213.23
		Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
		For Low Ambient Protection, 0 Degree F, Add	*513.81*	
		For Winterstart Control, Add	*414.45*	

23 81 49 00-0014 Indoor Section, Horizontal Upflow *(23 81 49 00-0001)*

Note: Electric heat. Includes throwaway filters.

23 81 49 00-0015	EA	2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,361.60	123.63
		For Additional 5 KW Electric Heat, Add	*123.74*	
23 81 49 00-0016	EA	2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,499.91	154.02
		For Additional 5 KW Electric Heat, Add	*134.59*	
23 81 49 00-0017	EA	3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	1,564.52	186.02
		For Additional 5 KW Electric Heat, Add	*137.82*	
23 81 49 00-0018	EA	3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat	2,110.73	217.81
		For Additional 5 KW Electric Heat, Add	*189.27*	
23 81 49 00-0019	EA	4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,166.39	245.54
		For Additional 5 KW Electric Heat, Add	*192.06*	
23 81 49 00-0020	EA	5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	2,402.50	281.93
		For Additional 5 KW Electric Heat, Add	*212.07*	
23 81 49 00-0021	EA	7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat	5,135.01	462.19
		For Additional 5 KW Electric Heat, Add	*467.28*	
23 81 49 00-0022	EA	10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 kW Electric Heat	7,580.53	519.96
		For Additional 5 KW Electric Heat, Add	*706.06*	
23 81 49 00-0023	EA	15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat	10,643.92	577.73
		For Additional 5 KW Electric Heat, Add	*1,006.62*	
23 81 49 00-0024	EA	20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat	12,095.31	693.27
		For Additional 5 KW Electric Heat, Add	*1,140.19*	

23 81 49 00-0025 Ductless Split System Heat Pumps *(23 81 49 00-0001)*

Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.

23 81 49 00-0026 Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)*

23 81 49 00-0027	EA	9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps	2,392.27	381.30
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 49 00-0028	EA	11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps	2,643.21	415.96
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0029	EA	17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,219.29	462.19
23 81 49 00-0030	EA	24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,702.91	508.41
23 81 49 00-0031	EA	25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,225.20	554.62
23 81 49 00-0032	EA	29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,043.35	577.73
23 81 49 00-0033	EA	31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,626.46	615.86
23 81 49 00-0034		Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0035	EA	7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	995.85	184.88
23 81 49 00-0036	EA	9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,051.68	196.43
23 81 49 00-0037	EA	11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,108.39	207.99
23 81 49 00-0038	EA	17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,259.38	219.54
23 81 49 00-0039	EA	24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes indoor unit and wireless thermostat.	1,342.12	231.09
23 81 49 00-0040	EA	19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	2,949.70	277.31
23 81 49 00-0041	EA	23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	3,492.25	300.42
23 81 49 00-0042	EA	30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps Note: Includes outdoor unit and refrigerant charge.	5,639.04	323.53
23 81 49 00-0043		Suspended Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Excludes hangers.		
23 81 49 00-0044	EA	24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,578.91	554.62
23 81 49 00-0045	EA	31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,772.22	662.08
23 81 49 00-0046	EA	39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,156.41	693.27
23 81 49 00-0047		Recessed Ceiling Mounted Ductless Split System Heat Pumps *(23 81 49 00-0025)* Note: Excludes hangers.		
23 81 49 00-0048	EA	11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,712.15	462.19
23 81 49 00-0049	EA	17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,208.33	508.41
23 81 49 00-0050	EA	24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,559.80	600.84
23 81 49 00-0051	EA	32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,413.13	662.08
23 81 49 00-0052	EA	39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	7,976.87	693.27

23 82 Convection Heating and Cooling Units *(23 80)*

23 82 16 Air Coils *(23 82)*

23 82 16 11 Hydronic Air Coils *(23 82 16)*

23 82 16 11-0001		Chilled Water Cooling Coils *(23 82 16 11)* Note: Flanged construction, 16 gauge galvanized steel casing.		
23 82 16 11-0002		2 Row Chilled Water Cooling Coils *(23 82 16 11-0001)*		
23 82 16 11-0003	EA	12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,120.35	61.47
23 82 16 11-0004	EA	12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,531.95	83.60
23 82 16 11-0005	EA	24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,741.55	131.56
23 82 16 11-0006	EA	24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,706.77	188.11
23 82 16 11-0007	EA	30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,035.51	231.14
23 82 16 11-0008	EA	30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,740.50	280.32
23 82 16 11-0009	EA	30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,205.37	324.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0010	EA	30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,776.88	573.43
23 82 16 11-0011	EA	34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,871.67	217.99
23 82 16 11-0012	EA	34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,219.28	371.18
23 82 16 11-0013	EA	34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,950.84	461.06
23 82 16 11-0014	EA	34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,593.79	556.83
23 82 16 11-0015	EA	34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,277.24	648.42
23 82 16 11-0016	SF	>20 SF, Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	417.34	32.69
23 82 16 11-0017		**4 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0018	EA	12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	2,626.10	127.86
23 82 16 11-0019	EA	12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,237.94	184.42
23 82 16 11-0020	EA	24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,749.65	307.37
23 82 16 11-0021	EA	24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,993.63	456.13
23 82 16 11-0022	EA	30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,069.61	559.41
23 82 16 11-0023	EA	30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,581.96	683.58
23 82 16 11-0024	EA	30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,645.17	820.06
23 82 16 11-0025	EA	30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,332.86	954.56
23 82 16 11-0026	EA	34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	6,590.47	412.00
23 82 16 11-0027	EA	34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,359.31	619.66
23 82 16 11-0028	EA	34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,244.61	768.42
23 82 16 11-0029	EA	34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,275.82	925.80
23 82 16 11-0030	EA	34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,238.98	1,082.30
23 82 16 11-0031		**6 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0032	EA	12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	3,720.50	162.29
23 82 16 11-0033	EA	12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,353.09	240.97
23 82 16 11-0034	EA	24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,875.58	410.64
23 82 16 11-0035	EA	24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,944.38	614.73
23 82 16 11-0036	EA	30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,463.71	768.42
23 82 16 11-0037	EA	30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,845.35	945.47
23 82 16 11-0038	EA	30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,769.24	1,117.59
23 82 16 11-0039	EA	30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,972.56	1,302.38
23 82 16 11-0040	EA	34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,222.98	562.98
23 82 16 11-0041	EA	34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,451.76	844.40
23 82 16 11-0042	EA	34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,700.82	1,057.35
23 82 16 11-0043	EA	34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,908.44	1,270.18
23 82 16 11-0044	EA	34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,123.92	1,477.70
23 82 16 11-0045		**8 Row Chilled Water Cooling Coils** *(23 82 16 11-0001)*		
23 82 16 11-0046	EA	12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,656.25	195.48
23 82 16 11-0047	EA	12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,655.67	300.00
23 82 16 11-0048	EA	24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,376.50	534.82
23 82 16 11-0049	EA	24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,040.16	820.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0050	EA	30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,227.47	1,025.39
23 82 16 11-0051	EA	30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,335.76	1,229.48
23 82 16 11-0052	EA	30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	17,662.95	1,365.95
23 82 16 11-0053	EA	30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,832.44	1,584.43
23 82 16 11-0054	EA	34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	9,356.46	686.05
23 82 16 11-0055	EA	34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,921.18	1,031.41
23 82 16 11-0056	EA	34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,367.57	1,284.80
23 82 16 11-0057	EA	34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,737.92	1,536.84
23 82 16 11-0058	EA	34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,180.70	1,808.06

23 82 16 11-0059 Hot Water Heating Coils *(23 82 16 11)*

Note: Flanged construction.

23 82 16 11-0060 1 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0061	EA	12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,641.92	165.98
		For 10 Fins Per Inch, Add	*26.19*	
		For 12 Fins Per Inch, Add	*65.48*	
		For 230 PSIG Heavy-Duty, Add	*361.61*	
23 82 16 11-0062	EA	12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,447.92	212.70
		For 10 Fins Per Inch, Add	*40.48*	
		For 12 Fins Per Inch, Add	*101.20*	
		For 230 PSIG Heavy-Duty, Add	*531.98*	
23 82 16 11-0063	EA	24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,966.60	292.62
		For 10 Fins Per Inch, Add	*47.62*	
		For 12 Fins Per Inch, Add	*119.06*	
		For 230 PSIG Heavy-Duty, Add	*651.87*	
23 82 16 11-0064	EA	24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,498.43	410.64
		For 10 Fins Per Inch, Add	*53.58*	
		For 12 Fins Per Inch, Add	*133.94*	
		For 230 PSIG Heavy-Duty, Add	*781.65*	
23 82 16 11-0065	EA	30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,960.00	491.79
		For 10 Fins Per Inch, Add	*59.53*	
		For 12 Fins Per Inch, Add	*148.82*	
		For 230 PSIG Heavy-Duty, Add	*890.36*	
23 82 16 11-0066	EA	30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,622.60	614.73
		For 10 Fins Per Inch, Add	*67.86*	
		For 12 Fins Per Inch, Add	*169.66*	
		For 230 PSIG Heavy-Duty, Add	*1,047.47*	
23 82 16 11-0067	EA	30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,175.90	682.36
		For 10 Fins Per Inch, Add	*76.20*	
		For 12 Fins Per Inch, Add	*190.49*	
		For 230 PSIG Heavy-Duty, Add	*1,171.79*	
23 82 16 11-0068	EA	30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	6,421.70	793.38
		For 10 Fins Per Inch, Add	*96.58*	
		For 12 Fins Per Inch, Add	*241.46*	
		For 230 PSIG Heavy-Duty, Add	*1,443.60*	
23 82 16 11-0069	EA	34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction	2,772.60	343.77
		For 10 Fins Per Inch, Add	*41.70*	
		For 12 Fins Per Inch, Add	*104.25*	
		For 230 PSIG Heavy-Duty, Add	*623.28*	
23 82 16 11-0070	EA	34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	4,158.87	515.77
		For 10 Fins Per Inch, Add	*62.55*	
		For 12 Fins Per Inch, Add	*156.37*	
		For 230 PSIG Heavy-Duty, Add	*934.92*	
23 82 16 11-0071	EA	34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	6,251.42	780.10
		For 10 Fins Per Inch, Add	*93.82*	
		For 12 Fins Per Inch, Add	*234.56*	
		For 230 PSIG Heavy-Duty, Add	*1,406.31*	
23 82 16 11-0072	EA	34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction	7,281.05	904.04
		For 10 Fins Per Inch, Add	*109.46*	
		For 12 Fins Per Inch, Add	*273.65*	
		For 230 PSIG Heavy-Duty, Add	*1,637.02*	
23 82 16 11-0073	SF	>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction	330.65	45.49
		For 10 Fins Per Inch, Add	*4.79*	
		For 12 Fins Per Inch, Add	*11.98*	
		For 230 PSIG Heavy-Duty, Add	*75.23*	

23 82 16 11-0074 2 Row Hot Water Heating Coils *(23 82 16 11-0059)*

23 82 16 11-0075	EA	12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction	2,671.91	205.32
		For 10 Fins Per Inch, Add	*45.24*	
		For 12 Fins Per Inch, Add	*113.10*	
		For 230 PSIG Heavy-Duty, Add	*575.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0076	EA	12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction	2,868.05	272.94
		For 10 Fins Per Inch, Add	*46.43*	
		For 12 Fins Per Inch, Add	*116.08*	
		For 230 PSIG Heavy-Duty, Add	*628.25*	
23 82 16 11-0077	EA	24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction	3,855.60	410.64
		For 10 Fins Per Inch, Add	*60.72*	
		For 12 Fins Per Inch, Add	*151.80*	
		For 230 PSIG Heavy-Duty, Add	*853.09*	
23 82 16 11-0078	EA	24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	4,623.58	585.23
		For 10 Fins Per Inch, Add	*69.05*	
		For 12 Fins Per Inch, Add	*172.63*	
		For 230 PSIG Heavy-Duty, Add	*1,041.81*	
23 82 16 11-0079	EA	30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,315.79	722.93
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,207.80*	
23 82 16 11-0080	EA	30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction	5,625.74	877.85
		For 10 Fins Per Inch, Add	*77.39*	
		For 12 Fins Per Inch, Add	*193.47*	
		For 230 PSIG Heavy-Duty, Add	*1,300.79*	
23 82 16 11-0081	EA	30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	6,335.18	1,025.39
		For 10 Fins Per Inch, Add	*85.72*	
		For 12 Fins Per Inch, Add	*214.30*	
		For 230 PSIG Heavy-Duty, Add	*1,471.95*	
23 82 16 11-0082	EA	30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	7,815.48	1,191.36
		For 10 Fins Per Inch, Add	*108.66*	
		For 12 Fins Per Inch, Add	*271.64*	
		For 230 PSIG Heavy-Duty, Add	*1,801.37*	
23 82 16 11-0083	EA	34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction	3,373.55	514.05
		For 10 Fins Per Inch, Add	*46.91*	
		For 12 Fins Per Inch, Add	*117.28*	
		For 230 PSIG Heavy-Duty, Add	*777.51*	
23 82 16 11-0084	EA	34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction	5,062.91	772.23
		For 10 Fins Per Inch, Add	*70.37*	
		For 12 Fins Per Inch, Add	*175.92*	
		For 230 PSIG Heavy-Duty, Add	*1,167.04*	
23 82 16 11-0085	EA	34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction	7,606.07	1,164.31
		For 10 Fins Per Inch, Add	*105.55*	
		For 12 Fins Per Inch, Add	*263.88*	
		For 230 PSIG Heavy-Duty, Add	*1,754.07*	
23 82 16 11-0086	EA	34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction	8,877.24	1,360.05
		For 10 Fins Per Inch, Add	*123.14*	
		For 12 Fins Per Inch, Add	*307.86*	
		For 230 PSIG Heavy-Duty, Add	*2,047.46*	

23 82 16 11-0087 Hot Water Preheat Coils For Multi-Zone Air Handling Units *(23 82 16 11)*

Note: 2 Row coils. Coils are sized by air handling unit capacity.

23 82 16 11-0088	EA	3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,174.50	156.15
23 82 16 11-0089	EA	4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	2,793.59	154.92
23 82 16 11-0090	EA	5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,433.72	165.98
23 82 16 11-0091	EA	6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	3,992.84	180.73
23 82 16 11-0092	EA	7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,009.53	189.34
23 82 16 11-0093	EA	9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	4,861.24	199.18
23 82 16 11-0094	EA	11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,030.77	223.77
23 82 16 11-0095	EA	13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	5,561.73	250.81
23 82 16 11-0096	EA	16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,254.94	300.00
23 82 16 11-0097	EA	19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	6,821.45	314.75
23 82 16 11-0098	EA	22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	8,760.44	333.18
23 82 16 11-0099	EA	27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	11,149.60	456.13
23 82 16 11-0100	EA	34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	14,011.56	559.41
23 82 16 11-0101	EA	40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	16,340.11	585.23
23 82 16 11-0102	EA	47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit	19,194.84	682.36

23 82 16 12 Steam Air Coils *(23 82 16)*

23 82 16 12-0001 Steam Heating Coils *(23 82 16 12)*

Note: Flanged construction.

23 82 16 12-0002	EA	12" x 12" Steam Heating Coils, 1 Row Flanged Construction	2,590.14	115.57
		For 2 Row Coil, Add	*823.00*	
		For 4 Row Coil, Add	*2,170.93*	
23 82 16 12-0003	EA	12" x 24" Steam Heating Coils, 1 Row Flanged Construction	2,848.27	159.83
		For 2 Row Coil, Add	*918.35*	
		For 4 Row Coil, Add	*2,415.94*	
23 82 16 12-0004	EA	24" x 30" Steam Heating Coils, 1 Row Flanged Construction	3,690.86	286.46
		For 2 Row Coil, Add	*1,221.63*	
		For 4 Row Coil, Add	*3,198.58*	
23 82 16 12-0005	EA	24" x 48" Steam Heating Coils, 1 Row Flanged Construction	4,613.04	410.64
		For 2 Row Coil, Add	*1,547.84*	
		For 4 Row Coil, Add	*4,042.88*	
23 82 16 12-0006	EA	30" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,114.16	491.79
		For 2 Row Coil, Add	*1,730.96*	
		For 4 Row Coil, Add	*4,514.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 12-0007	EA	30" x 60" Steam Heating Coils, 1 Row Flanged Construction	5,697.25	614.73
		For 2 Row Coil, Add	*1,955.07*	
		For 4 Row Coil, Add	*5,086.48*	
23 82 16 12-0008	EA	30" x 72" Steam Heating Coils, 1 Row Flanged Construction	6,255.34	682.36
		For 2 Row Coil, Add	*2,149.82*	
		For 4 Row Coil, Add	*5,591.69*	
23 82 16 12-0009	EA	30" x 84" Steam Heating Coils, 1 Row Flanged Construction	7,789.90	796.33
		For 2 Row Coil, Add	*2,655.49*	
		For 4 Row Coil, Add	*6,916.73*	
23 82 16 12-0010	EA	34" x 32" Steam Heating Coils, 1 Row Flanged Construction	3,363.31	343.77
		For 2 Row Coil, Add	*1,146.52*	
		For 4 Row Coil, Add	*2,986.32*	
23 82 16 12-0011	EA	34" x 48" Steam Heating Coils, 1 Row Flanged Construction	5,044.98	515.77
		For 2 Row Coil, Add	*1,719.78*	
		For 4 Row Coil, Add	*4,479.50*	
23 82 16 12-0012	EA	34" x 72" Steam Heating Coils, 1 Row Flanged Construction	7,564.83	772.23
		For 2 Row Coil, Add	*2,578.36*	
		For 4 Row Coil, Add	*6,716.03*	
23 82 16 12-0013	EA	34" x 84" Steam Heating Coils, 1 Row Flanged Construction	8,831.72	904.04
		For 2 Row Coil, Add	*3,011.13*	
		For 4 Row Coil, Add	*7,842.84*	

23 82 16 13 Refrigerant Air Coils *(23 82 16)*

23 82 16 13-0001 Direct Expansion Cooling Coils *(23 82 16 13)*

Note: Flanged construction 16 gauge galvanized steel casing.

23 82 16 13-0002 2 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0003	EA	12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	2,034.06	92.21
		For 10 Fins Per Inch, Add	*36.98*	
		For 12 Fins Per Inch, Add	*92.46*	
23 82 16 13-0004	EA	12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,951.86	126.63
		For 10 Fins Per Inch, Add	*73.97*	
		For 12 Fins Per Inch, Add	*184.92*	
23 82 16 13-0005	EA	24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,431.51	199.18
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0006	EA	24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,522.18	286.46
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0007	EA	30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,568.32	350.40
		For 10 Fins Per Inch, Add	*137.32*	
		For 12 Fins Per Inch, Add	*343.29*	
23 82 16 13-0008	EA	30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	8,446.03	424.17
		For 10 Fins Per Inch, Add	*151.96*	
		For 12 Fins Per Inch, Add	*379.91*	
23 82 16 13-0009	EA	30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,680.22	491.79
		For 10 Fins Per Inch, Add	*173.93*	
		For 12 Fins Per Inch, Add	*434.83*	
23 82 16 13-0010	EA	30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,170.29	573.43
		For 10 Fins Per Inch, Add	*220.47*	
		For 12 Fins Per Inch, Add	*551.17*	
23 82 16 13-0011	EA	34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,674.02	217.99
		For 10 Fins Per Inch, Add	*84.76*	
		For 12 Fins Per Inch, Add	*211.90*	
23 82 16 13-0012	EA	34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,975.19	371.18
		For 10 Fins Per Inch, Add	*104.66*	
		For 12 Fins Per Inch, Add	*261.64*	
23 82 16 13-0013	EA	34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,305.03	556.83
		For 10 Fins Per Inch, Add	*123.83*	
		For 12 Fins Per Inch, Add	*309.57*	
23 82 16 13-0014	EA	34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,965.99	648.42
		For 10 Fins Per Inch, Add	*133.38*	
		For 12 Fins Per Inch, Add	*333.45*	

23 82 16 13-0015 4 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0016	EA	12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	3,396.08	127.86
		For 10 Fins Per Inch, Add	*62.80*	
		For 12 Fins Per Inch, Add	*157.00*	
23 82 16 13-0017	EA	12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,852.63	184.42
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0018	EA	24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,565.06	307.37
		For 10 Fins Per Inch, Add	*119.01*	
		For 12 Fins Per Inch, Add	*297.52*	
23 82 16 13-0019	EA	24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,959.58	456.13
		For 10 Fins Per Inch, Add	*140.98*	
		For 12 Fins Per Inch, Add	*352.44*	
23 82 16 13-0020	EA	30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,173.54	559.41
		For 10 Fins Per Inch, Add	*161.12*	
		For 12 Fins Per Inch, Add	*402.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0021	EA	30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,886.61	683.58
		For 10 Fins Per Inch, Add	*190.41*	
		For 12 Fins Per Inch, Add	*476.03*	
23 82 16 13-0022	EA	30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,075.27	820.06
		For 10 Fins Per Inch, Add	*208.72*	
		For 12 Fins Per Inch, Add	*521.80*	
23 82 16 13-0023	EA	30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,670.52	954.56
		For 10 Fins Per Inch, Add	*195.23*	
		For 12 Fins Per Inch, Add	*488.07*	
23 82 16 13-0024	EA	34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,506.16	412.00
		For 10 Fins Per Inch, Add	*133.64*	
		For 12 Fins Per Inch, Add	*334.11*	
23 82 16 13-0025	EA	34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,489.93	619.66
		For 10 Fins Per Inch, Add	*165.01*	
		For 12 Fins Per Inch, Add	*412.53*	
23 82 16 13-0026	EA	34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,202.60	1,089.93
		For 10 Fins Per Inch, Add	*240.45*	
		For 12 Fins Per Inch, Add	*601.13*	
23 82 16 13-0027	EA	34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,243.08	1,270.18
		For 10 Fins Per Inch, Add	*274.06*	
		For 12 Fins Per Inch, Add	*685.14*	

23 82 16 13-0028 6 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0029	EA	12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,351.47	161.06
		For 10 Fins Per Inch, Add	*80.56*	
		For 12 Fins Per Inch, Add	*201.40*	
23 82 16 13-0030	EA	12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	4,967.78	240.97
		For 10 Fins Per Inch, Add	*89.71*	
		For 12 Fins Per Inch, Add	*224.28*	
23 82 16 13-0031	EA	24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	7,136.16	410.64
		For 10 Fins Per Inch, Add	*126.33*	
		For 12 Fins Per Inch, Add	*315.83*	
23 82 16 13-0032	EA	24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,010.68	614.73
		For 10 Fins Per Inch, Add	*155.62*	
		For 12 Fins Per Inch, Add	*389.06*	
23 82 16 13-0033	EA	30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,881.26	768.42
		For 10 Fins Per Inch, Add	*206.89*	
		For 12 Fins Per Inch, Add	*517.22*	
23 82 16 13-0034	EA	30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,425.99	945.47
		For 10 Fins Per Inch, Add	*230.69*	
		For 12 Fins Per Inch, Add	*576.72*	
23 82 16 13-0035	EA	30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,600.77	1,117.59
		For 10 Fins Per Inch, Add	*267.31*	
		For 12 Fins Per Inch, Add	*668.27*	
23 82 16 13-0036	EA	30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,618.92	1,302.38
		For 10 Fins Per Inch, Add	*240.28*	
		For 12 Fins Per Inch, Add	*600.71*	
23 82 16 13-0037	EA	34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,349.97	562.98
		For 10 Fins Per Inch, Add	*164.48*	
		For 12 Fins Per Inch, Add	*411.20*	
23 82 16 13-0038	EA	34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	11,843.28	844.40
		For 10 Fins Per Inch, Add	*203.09*	
		For 12 Fins Per Inch, Add	*507.72*	
23 82 16 13-0039	EA	34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	14,534.06	1,259.72
		For 10 Fins Per Inch, Add	*240.29*	
		For 12 Fins Per Inch, Add	*600.73*	
23 82 16 13-0040	EA	34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,897.43	1,477.70
		For 10 Fins Per Inch, Add	*258.84*	
		For 12 Fins Per Inch, Add	*647.10*	

23 82 16 13-0041 8 Row Direct Expansion Cooling Coils *(23 82 16 13-0001)*

23 82 16 13-0042	EA	12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	5,425.21	194.26
		For 10 Fins Per Inch, Add	*100.70*	
		For 12 Fins Per Inch, Add	*251.75*	
23 82 16 13-0043	EA	12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	6,458.53	300.00
		For 10 Fins Per Inch, Add	*117.18*	
		For 12 Fins Per Inch, Add	*292.94*	
23 82 16 13-0044	EA	24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	9,536.89	534.82
		For 10 Fins Per Inch, Add	*169.36*	
		For 12 Fins Per Inch, Add	*423.39*	
23 82 16 13-0045	EA	24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	12,532.99	820.06
		For 10 Fins Per Inch, Add	*217.87*	
		For 12 Fins Per Inch, Add	*544.68*	
23 82 16 13-0046	EA	30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	15,002.55	1,025.39
		For 10 Fins Per Inch, Add	*259.07*	
		For 12 Fins Per Inch, Add	*647.67*	
23 82 16 13-0047	EA	30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	17,380.55	1,229.48
		For 10 Fins Per Inch, Add	*298.43*	
		For 12 Fins Per Inch, Add	*746.08*	
23 82 16 13-0048	EA	30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	20,033.91	1,365.95
		For 10 Fins Per Inch, Add	*346.03*	
		For 12 Fins Per Inch, Add	*865.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0049	EA	30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,684.59	1,584.43
		For 10 Fins Per Inch, Add	*270.32*	
		For 12 Fins Per Inch, Add	*675.79*	
23 82 16 13-0050	EA	34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	10,624.33	686.05
		For 10 Fins Per Inch, Add	*185.04*	
		For 12 Fins Per Inch, Add	*462.61*	
23 82 16 13-0051	EA	34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	13,486.64	1,031.41
		For 10 Fins Per Inch, Add	*228.48*	
		For 12 Fins Per Inch, Add	*571.19*	
23 82 16 13-0052	EA	34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	16,621.20	1,552.33
		For 10 Fins Per Inch, Add	*270.33*	
		For 12 Fins Per Inch, Add	*675.82*	
23 82 16 13-0053	EA	34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing	18,175.92	1,808.06
		For 10 Fins Per Inch, Add	*291.20*	
		For 12 Fins Per Inch, Add	*727.99*	

23 82 16 14 Electric-Resistance Air Coils *(23 82 16)*

23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater *(23 82 16 14)*

23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element *(23 82 16 14-0001)*

23 82 16 14-0003	EA	1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	630.73	88.97
23 82 16 14-0004	EA	1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	645.54	95.91
23 82 16 14-0005	EA	2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	663.04	105.15
23 82 16 14-0006	EA	3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	668.93	108.62
23 82 16 14-0007	EA	4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	684.05	115.54
23 82 16 14-0008	EA	5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	701.45	124.79
23 82 16 14-0009	EA	6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	809.97	139.81
23 82 16 14-0010	EA	7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	824.06	146.74
23 82 16 14-0011	EA	8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	835.61	151.36
23 82 16 14-0012	EA	9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	852.50	160.61
23 82 16 14-0013	EA	10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	936.09	169.85
23 82 16 14-0014	EA	12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	968.98	186.02
23 82 16 14-0015	EA	15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,001.67	202.21
23 82 16 14-0016	EA	20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,036.89	218.38
23 82 16 14-0017	EA	30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	1,460.56	305.04
23 82 16 14-0018	EA	40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,705.65	324.69
23 82 16 14-0019	EA	50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	2,967.11	372.06
23 82 16 14-0020	EA	60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,517.98	412.50
23 82 16 14-0021	EA	70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	3,684.02	448.32
23 82 16 14-0022	EA	80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,036.37	492.22
23 82 16 14-0023	EA	90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	4,993.70	525.74
23 82 16 14-0024	EA	100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	5,491.82	565.02
23 82 16 14-0025	EA	125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	6,701.95	610.08
23 82 16 14-0026	EA	150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater	7,558.84	663.23

23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element *(23 82 16 14-0001)*

23 82 16 14-0028	EA	1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,022.41	127.10
23 82 16 14-0029	EA	2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,052.17	138.65
23 82 16 14-0030	EA	3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,064.62	138.65
23 82 16 14-0031	EA	4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,150.32	152.52
23 82 16 14-0032	EA	5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,202.60	152.52
23 82 16 14-0033	EA	6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,230.43	152.52
23 82 16 14-0034	EA	8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,290.48	169.85
23 82 16 14-0035	EA	9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,343.90	190.65
23 82 16 14-0036	EA	10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,371.73	190.65
23 82 16 14-0037	EA	15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,543.89	218.38
23 82 16 14-0038	EA	20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	1,988.59	218.38
23 82 16 14-0039	EA	25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,111.19	236.87
23 82 16 14-0040	EA	30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,489.08	254.20
23 82 16 14-0041	EA	40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	2,967.62	254.20
23 82 16 14-0042	EA	45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,240.94	265.76
23 82 16 14-0043	EA	50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater	3,406.86	265.76

23 82 19 Fan Coil Units *(23 82)*

23 82 19 00-0001 Ceiling Suspended Horizontal Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.

23 82 19 00-0002 Horizontal Fan Coil Units With Electric Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,951.26	199.18
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.83*	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,351.83	232.38
		For 2-Way Valve Instead Of 3-Way, Deduct	*-58.20*	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,988.64	261.88
		For 2-Way Valve Instead Of 3-Way, Deduct	*-61.16*	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,585.01	300.00
		For 2-Way Valve Instead Of 3-Way, Deduct	*-64.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,193.32	314.75
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.29*	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,729.11	333.18
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.84*	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,942.88	361.47
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.24*	

23 82 19 00-0010 Horizontal Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0001)*

23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,371.92	199.18
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.83*	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,916.31	232.38
		For 2-Way Valve Instead Of 3-Way, Deduct	*-58.20*	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,088.61	261.88
		For 2-Way Valve Instead Of 3-Way, Deduct	*-61.16*	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,576.40	300.00
		For 2-Way Valve Instead Of 3-Way, Deduct	*-64.99*	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,018.39	315.98
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.29*	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,409.91	333.18
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.84*	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,059.09	361.47
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.24*	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	11,800.11	374.99
		For 2-Way Valve Instead Of 3-Way, Deduct	*-121.25*	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	13,194.13	390.36
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.55*	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	14,203.54	405.73
		For 2-Way Valve Instead Of 3-Way, Deduct	*-125.86*	

23 82 19 00-0021 Floor Mounted Vertical Fan Coil Units *(23 82 19)*

Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.

23 82 19 00-0022 Vertical Fan Coil Units With Electric Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,840.19	197.95
		For Fan Coil Units Without Cabinet, Deduct	*-386.37*	
		For Thru-Wall Sleeve, Add	*134.32*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.83*	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,240.75	232.38
		For Fan Coil Units Without Cabinet, Deduct	*-439.72*	
		For Thru-Wall Sleeve, Add	*147.79*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-58.20*	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,855.33	261.88
		For Fan Coil Units Without Cabinet, Deduct	*-525.98*	
		For Thru-Wall Sleeve, Add	*159.64*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-61.16*	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,431.72	300.00
		For Fan Coil Units Without Cabinet, Deduct	*-604.78*	
		For Thru-Wall Sleeve, Add	*174.95*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-64.99*	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,017.83	315.98
		For Fan Coil Units Without Cabinet, Deduct	*-689.62*	
		For Thru-Wall Sleeve, Add	*181.10*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.29*	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,495.85	333.18
		For Fan Coil Units Without Cabinet, Deduct	*-907.92*	
		For Thru-Wall Sleeve, Add	*187.92*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.84*	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,665.20	361.47
		For Fan Coil Units Without Cabinet, Deduct	*-1,077.46*	
		For Thru-Wall Sleeve, Add	*199.64*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.24*	

23 82 19 00-0030 Vertical Fan Coil Units With Hot Water Heating Coil *(23 82 19 00-0021)*

23 82 19 00-0031	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,198.93	197.95
		For Fan Coil Units Without Cabinet, Deduct	*-590.18*	
		For Thru-Wall Sleeve, Add	*134.32*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-54.83*	
23 82 19 00-0032	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,722.55	232.38
		For Fan Coil Units Without Cabinet, Deduct	*-661.99*	
		For Thru-Wall Sleeve, Add	*147.79*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-58.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 19 00-0033	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,846.42	261.88
		For Fan Coil Units Without Cabinet, Deduct	*-824.65*	
		For Thru-Wall Sleeve, Add	*159.64*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-61.16*	
23 82 19 00-0034	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	6,683.45	300.00
		For Fan Coil Units Without Cabinet, Deduct	*-942.54*	
		For Thru-Wall Sleeve, Add	*174.95*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-64.99*	
23 82 19 00-0035	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	7,474.67	315.98
		For Fan Coil Units Without Cabinet, Deduct	*-1,058.15*	
		For Thru-Wall Sleeve, Add	*181.10*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-112.29*	
23 82 19 00-0036	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	9,029.68	333.18
		For Fan Coil Units Without Cabinet, Deduct	*-1,287.99*	
		For Thru-Wall Sleeve, Add	*187.92*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-114.84*	
23 82 19 00-0037	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	10,609.24	361.47
		For Fan Coil Units Without Cabinet, Deduct	*-1,519.06*	
		For Thru-Wall Sleeve, Add	*199.64*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-119.24*	
23 82 19 00-0038	EA	1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	11,642.85	374.99
		For Fan Coil Units Without Cabinet, Deduct	*-1,671.43*	
		For Thru-Wall Sleeve, Add	*205.00*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-121.25*	
23 82 19 00-0039	EA	1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	12,879.61	390.36
		For Fan Coil Units Without Cabinet, Deduct	*-1,853.87*	
		For Thru-Wall Sleeve, Add	*211.14*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-123.55*	
23 82 19 00-0040	EA	1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet	13,745.01	390.36
		For Fan Coil Units Without Cabinet, Deduct	*-1,980.61*	
		For Thru-Wall Sleeve, Add	*217.29*	
		For 2-Way Valve Instead Of 3-Way, Deduct	*-125.86*	

23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units *(23 82 19)*

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0042	EA	Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical	522.74

23 82 29 Radiators *(23 82)*

23 82 29 00-0001 Demolish Cast Iron Radiators *(23 82 29)*

23 82 29 00-0002	LF	Demolish Cast Iron Radiator	36.87
23 82 29 00-0003	EA	Cap Radiator	58.83

23 82 29 00-0004 Cast Iron Radiator *(23 82 29)*

23 82 29 00-0005	EA	19" High Cast Iron Radiator Section, Free Standing	60.59
		For Wall Support Bracket, Add	*29.55*
23 82 29 00-0006	EA	25" High Cast Iron Radiator Section, Free Standing	86.68
		For Wall Support Bracket, Add	*31.15*
23 82 29 00-0007	EA	30" High Cast Iron Radiator Section, Free Standing	101.12
23 82 29 00-0008	EA	36" High Cast Iron Radiator Section, Free Standing	127.82
23 82 29 00-0009	EA	20" High Cast Iron Radiator Section, Recessed With Grille	83.56

23 82 29 00-0010 Radiator Covers *(23 82 29)*

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0011	SF	14 Gauge Stainless Steel Radiator Cover	136.60	6.27
23 82 29 00-0012	SF	Primed And Painted, Galvanized Steel Radiator Cover	84.91	6.27

23 82 29 00-0013 Radiator Shields *(23 82 29)*

23 82 29 00-0014	SF	Stainless Steel Radiator Shield	68.94	6.27
23 82 29 00-0015	SF	Primed And Painted, Galvanized Steel Radiator Shield	47.35	6.27

23 82 29 00-0016 Removal And Reinstallation Of Radiator *(23 82 29)*

Note: Includes storage and cleaning.

23 82 29 00-0017	LF	Removal And Reinstallation Of Cast Iron Radiator	92.21
23 82 29 00-0018	LF	Removal And Reinstallation Of Electric Radiator	61.47

23 82 33 Convectors *(23 82)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0001		**Multi-Fin Convectors For Two-Pipe System** *(23 82 33)* Note: Complete with 6-1/4" deep cabinet enclosure.		
23 82 33 00-0002		**20" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	611.22	135.24
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*67.47*	
		For Snap-On Inlet Grille, Add	*50.98*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*142.21*	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	720.14	147.54
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*73.06*	
		For Snap-On Inlet Grille, Add	*54.71*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	828.61	174.58
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*85.29*	
		For Snap-On Inlet Grille, Add	*62.86*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*197.51*	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	992.17	202.86
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*98.20*	
		For Snap-On Inlet Grille, Add	*71.47*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*239.69*	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,183.16	243.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*116.63*	
		For Snap-On Inlet Grille, Add	*83.75*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*285.04*	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,331.05	267.78
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*127.68*	
		For Snap-On Inlet Grille, Add	*91.12*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*323.90*	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,546.63	324.58
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*153.49*	
		For Snap-On Inlet Grille, Add	*108.33*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*369.25*	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,688.44	344.87
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*162.71*	
		For Snap-On Inlet Grille, Add	*114.48*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*408.12*	
23 82 33 00-0011	EA	20" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,842.39	385.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*181.14*	
		For Snap-On Inlet Grille, Add	*126.76*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*440.51*	
23 82 33 00-0012	EA	20" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,033.48	426.02
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*199.60*	
		For Snap-On Inlet Grille, Add	*139.06*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*485.86*	
23 82 33 00-0013	EA	20" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,187.47	466.58
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*218.03*	
		For Snap-On Inlet Grille, Add	*151.35*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.25*	
23 82 33 00-0014		**26" High Multi-Fin Convectors For Two-Pipe System** *(23 82 33 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0015	EA	26" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	718.27	177.90
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*86.04*	
		For Snap-On Inlet Grille, Add	*63.36*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*158.01*	
23 82 33 00-0016	EA	26" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	843.38	206.67
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*98.95*	
		For Snap-On Inlet Grille, Add	*71.97*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*186.74*	
23 82 33 00-0017	EA	26" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,020.42	242.70
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*115.13*	
		For Snap-On Inlet Grille, Add	*82.75*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*229.83*	
23 82 33 00-0018	EA	26" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,196.17	270.61
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*127.65*	
		For Snap-On Inlet Grille, Add	*91.10*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*276.73*	
23 82 33 00-0019	EA	26" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,396.30	304.30
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*142.81*	
		For Snap-On Inlet Grille, Add	*101.21*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*329.09*	
23 82 33 00-0020	EA	26" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,562.64	329.62
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*154.25*	
		For Snap-On Inlet Grille, Add	*108.83*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*373.97*	
23 82 33 00-0021	EA	26" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,782.04	375.60
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*175.19*	
		For Snap-On Inlet Grille, Add	*122.80*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*426.32*	
23 82 33 00-0022	EA	26" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,944.27	398.60
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*185.40*	
		For Snap-On Inlet Grille, Add	*129.60*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*471.20*	
23 82 33 00-0023	EA	26" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,104.33	434.61
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*201.36*	
		For Snap-On Inlet Grille, Add	*140.24*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*508.60*	
23 82 33 00-0024	EA	26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,307.68	469.91
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*217.49*	
		For Snap-On Inlet Grille, Add	*150.99*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*560.95*	
23 82 33 00-0025	EA	26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,462.92	502.24
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*232.01*	
		For Snap-On Inlet Grille, Add	*160.67*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*598.35*	

23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System *(23 82 33 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0027	EA	32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	824.29	216.39
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*104.31*	
		For Snap-On Inlet Grille, Add	*75.54*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*173.81*	
23 82 33 00-0028	EA	32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	983.50	261.88
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*124.98*	
		For Snap-On Inlet Grille, Add	*89.32*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*205.41*	
23 82 33 00-0029	EA	32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,185.93	306.14
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*145.08*	
		For Snap-On Inlet Grille, Add	*102.72*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*252.82*	
23 82 33 00-0030	EA	32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,373.78	332.70
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*157.22*	
		For Snap-On Inlet Grille, Add	*110.81*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*304.41*	
23 82 33 00-0031	EA	32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,578.48	359.50
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*169.26*	
		For Snap-On Inlet Grille, Add	*118.84*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*361.99*	
23 82 33 00-0032	EA	32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,759.10	385.44
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*181.14*	
		For Snap-On Inlet Grille, Add	*126.76*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*411.36*	
23 82 33 00-0033	EA	32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	1,973.09	417.90
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*195.97*	
		For Snap-On Inlet Grille, Add	*136.65*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*468.95*	
23 82 33 00-0034	EA	32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,154.95	444.70
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*208.22*	
		For Snap-On Inlet Grille, Add	*144.81*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*518.31*	
23 82 33 00-0035	EA	32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,316.74	474.70
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*221.50*	
		For Snap-On Inlet Grille, Add	*153.66*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*559.45*	
23 82 33 00-0036	EA	32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,525.48	503.10
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*234.75*	
		For Snap-On Inlet Grille, Add	*162.50*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*617.04*	
23 82 33 00-0037	EA	32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet	2,679.28	527.45
		For Knob Operated Damper, Add	*15.00*	
		For Metal Trim Strips, Add	*245.63*	
		For Snap-On Inlet Grille, Add	*169.76*	
		For Access Doors Hinged, Add	*15.00*	
		For Air Chamber, Auto-vent, Add	*18.00*	
		For 3 Tubes System, Add	*658.18*	

23 82 33 00-0038 Electric Convectors, Floor Standing Units *(23 82 33)*

23 82 33 00-0039 4" Deep Electric Convectors *(23 82 33 00-0038)*

23 82 33 00-0040	EA	38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	644.81	123.98
23 82 33 00-0041	EA	50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units	713.89	123.98

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0042		6" Deep Electric Convectors *(23 82 33 00-0038)*		
23 82 33 00-0043	EA	38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	745.77	123.98
23 82 33 00-0044	EA	50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units	852.04	123.98
23 82 33 00-0045	EA	62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	945.03	123.98
23 82 33 00-0046	EA	74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units	1,091.16	123.98
23 82 36		**Finned-Tube Radiation Heaters** *(23 82)*		
23 82 36 00-0001		Finned Tube Baseboard Units *(23 82 36)*		
		Note: Complete with steel enclosure. Single heating element.		
23 82 36 00-0002		3/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0003	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	389.97	47.95
		For Valve Enclosure, Add	*56.39*	
		For Filler Piece, Add	*49.39*	
		For End Cap, Add	*38.16*	
		For Copper Tube With Aluminum Fins, Add	*8.69*	
		For 90 Degree Corner, Add	*56.39*	
23 82 36 00-0004	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	516.43	72.53
		For Valve Enclosure, Add	*65.89*	
		For Filler Piece, Add	*58.89*	
		For End Cap, Add	*44.33*	
		For Copper Tube With Aluminum Fins, Add	*13.04*	
		For 90 Degree Corner, Add	*65.89*	
23 82 36 00-0005	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	623.38	95.89
		For Valve Enclosure, Add	*71.47*	
		For Filler Piece, Add	*64.47*	
		For End Cap, Add	*47.96*	
		For Copper Tube With Aluminum Fins, Add	*17.38*	
		For 90 Degree Corner, Add	*71.47*	
23 82 36 00-0006	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	776.52	134.26
		For Valve Enclosure, Add	*86.72*	
		For Filler Piece, Add	*79.72*	
		For End Cap, Add	*57.87*	
		For Copper Tube With Aluminum Fins, Add	*21.61*	
		For 90 Degree Corner, Add	*86.72*	
23 82 36 00-0007	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	928.81	161.31
		For Valve Enclosure, Add	*102.21*	
		For Filler Piece, Add	*95.21*	
		For End Cap, Add	*67.93*	
		For Copper Tube With Aluminum Fins, Add	*25.73*	
		For 90 Degree Corner, Add	*102.21*	
23 82 36 00-0008	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,053.12	172.12
		For Valve Enclosure, Add	*108.36*	
		For Filler Piece, Add	*101.36*	
		For End Cap, Add	*71.93*	
		For Copper Tube With Aluminum Fins, Add	*30.87*	
		For 90 Degree Corner, Add	*108.36*	
23 82 36 00-0009	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,160.91	190.20
		For Valve Enclosure, Add	*118.69*	
		For Filler Piece, Add	*111.69*	
		For End Cap, Add	*78.65*	
		For Copper Tube With Aluminum Fins, Add	*33.96*	
		For 90 Degree Corner, Add	*118.69*	
23 82 36 00-0010	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,325.75	215.16
		For Valve Enclosure, Add	*132.95*	
		For Filler Piece, Add	*125.95*	
		For End Cap, Add	*87.91*	
		For Copper Tube With Aluminum Fins, Add	*39.11*	
		For 90 Degree Corner, Add	*132.95*	
23 82 36 00-0011	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element	1,462.15	236.67
		For Valve Enclosure, Add	*145.26*	
		For Filler Piece, Add	*138.26*	
		For End Cap, Add	*95.92*	
		For Copper Tube With Aluminum Fins, Add	*43.22*	
		For 90 Degree Corner, Add	*145.26*	
23 82 36 00-0012		1" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0013	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	457.70	47.95
		For Valve Enclosure, Add	*56.39*	
		For Filler Piece, Add	*49.39*	
		For End Cap, Add	*38.16*	
		For Copper Tube With Aluminum Fins, Add	*12.42*	
		For 90 Degree Corner, Add	*56.39*	
23 82 36 00-0014	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	618.02	72.53
		For Valve Enclosure, Add	*65.89*	
		For Filler Piece, Add	*58.89*	
		For End Cap, Add	*44.33*	
		For Copper Tube With Aluminum Fins, Add	*18.62*	
		For 90 Degree Corner, Add	*65.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0015	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	758.82	95.89
		For Valve Enclosure, Add	*71.47*	
		For Filler Piece, Add	*64.47*	
		For End Cap, Add	*47.96*	
		For Copper Tube With Aluminum Fins, Add	*24.83*	
		For 90 Degree Corner, Add	*71.47*	
23 82 36 00-0016	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	945.08	134.26
		For Valve Enclosure, Add	*86.75*	
		For Filler Piece, Add	*79.75*	
		For End Cap, Add	*57.88*	
		For Copper Tube With Aluminum Fins, Add	*30.87*	
		For 90 Degree Corner, Add	*86.75*	
23 82 36 00-0017	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,129.09	161.31
		For Valve Enclosure, Add	*102.16*	
		For Filler Piece, Add	*95.16*	
		For End Cap, Add	*67.91*	
		For Copper Tube With Aluminum Fins, Add	*36.75*	
		For 90 Degree Corner, Add	*102.16*	
23 82 36 00-0018	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,293.71	172.12
		For Valve Enclosure, Add	*108.36*	
		For Filler Piece, Add	*101.36*	
		For End Cap, Add	*71.93*	
		For Copper Tube With Aluminum Fins, Add	*44.11*	
		For 90 Degree Corner, Add	*108.36*	
23 82 36 00-0019	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,425.16	190.20
		For Valve Enclosure, Add	*118.61*	
		For Filler Piece, Add	*111.61*	
		For End Cap, Add	*78.60*	
		For Copper Tube With Aluminum Fins, Add	*48.52*	
		For 90 Degree Corner, Add	*118.61*	
23 82 36 00-0020	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,630.50	215.16
		For Valve Enclosure, Add	*132.95*	
		For Filler Piece, Add	*125.95*	
		For End Cap, Add	*87.91*	
		For Copper Tube With Aluminum Fins, Add	*55.87*	
		For 90 Degree Corner, Add	*132.95*	
23 82 36 00-0021	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element	1,798.23	236.67
		For Valve Enclosure, Add	*145.11*	
		For Filler Piece, Add	*138.11*	
		For End Cap, Add	*95.82*	
		For Copper Tube With Aluminum Fins, Add	*61.75*	
		For 90 Degree Corner, Add	*145.11*	
23 82 36 00-0022		1-1/4" IPS Steel Tube With Steel Fins *(23 82 36 00-0001)*		
23 82 36 00-0023	EA	4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	525.41	47.95
		For Valve Enclosure, Add	*56.39*	
		For Filler Piece, Add	*49.39*	
		For End Cap, Add	*38.16*	
		For Copper Tube With Aluminum Fins, Add	*16.14*	
		For 90 Degree Corner, Add	*56.39*	
23 82 36 00-0024	EA	6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	719.60	72.53
		For Valve Enclosure, Add	*65.89*	
		For Filler Piece, Add	*58.89*	
		For End Cap, Add	*44.33*	
		For Copper Tube With Aluminum Fins, Add	*24.21*	
		For 90 Degree Corner, Add	*65.89*	
23 82 36 00-0025	EA	8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	894.26	95.89
		For Valve Enclosure, Add	*71.47*	
		For Filler Piece, Add	*64.47*	
		For End Cap, Add	*47.96*	
		For Copper Tube With Aluminum Fins, Add	*32.28*	
		For 90 Degree Corner, Add	*71.47*	
23 82 36 00-0026	EA	10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,113.48	134.26
		For Valve Enclosure, Add	*86.75*	
		For Filler Piece, Add	*79.75*	
		For End Cap, Add	*57.88*	
		For Copper Tube With Aluminum Fins, Add	*40.14*	
		For 90 Degree Corner, Add	*86.75*	
23 82 36 00-0027	EA	12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,329.57	161.31
		For Valve Enclosure, Add	*102.16*	
		For Filler Piece, Add	*95.16*	
		For End Cap, Add	*67.91*	
		For Copper Tube With Aluminum Fins, Add	*47.78*	
		For 90 Degree Corner, Add	*102.16*	
23 82 36 00-0028	EA	14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,534.29	172.12
		For Valve Enclosure, Add	*108.36*	
		For Filler Piece, Add	*101.36*	
		For End Cap, Add	*71.93*	
		For Copper Tube With Aluminum Fins, Add	*57.34*	
		For 90 Degree Corner, Add	*108.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0029	EA	16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,689.80	190.20
		For Valve Enclosure, Add	*118.61*	
		For Filler Piece, Add	*111.61*	
		For End Cap, Add	*78.60*	
		For Copper Tube With Aluminum Fins, Add	*63.07*	
		For 90 Degree Corner, Add	*118.61*	
23 82 36 00-0030	EA	18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	1,935.23	215.16
		For Valve Enclosure, Add	*132.95*	
		For Filler Piece, Add	*125.95*	
		For End Cap, Add	*87.91*	
		For Copper Tube With Aluminum Fins, Add	*72.63*	
		For 90 Degree Corner, Add	*132.95*	
23 82 36 00-0031	EA	20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element	2,135.04	236.67
		For Valve Enclosure, Add	*145.11*	
		For Filler Piece, Add	*138.11*	
		For End Cap, Add	*95.82*	
		For Copper Tube With Aluminum Fins, Add	*80.27*	
		For 90 Degree Corner, Add	*145.11*	

23 82 36 00-0032 Electric Baseboard Heating *(23 82 36)*

Note: Includes 24 gauge steel enclosure and heating element

23 82 36 00-0033 Electric Wall Heating 10" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0034	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT	148.57	68.88
23 82 36 00-0035	LF	Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT	151.76	68.88

23 82 36 00-0036 Electric Wall Heating 16" Enclosure *(23 82 36 00-0032)*

23 82 36 00-0037	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT	180.45	68.88
23 82 36 00-0038	LF	Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT	188.42	68.88

23 82 39 Unit Heaters *(23 82)*

23 82 39 13 Cabinet Unit Heaters *(23 82 39)*

23 82 39 13-0001 Electric Cabinet Unit Heaters *(23 82 39 13)*

Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.

23 82 39 13-0002 Electric Cabinet Unit Heaters, 35" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0003	EA	2 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,217.07	156.54
23 82 39 13-0004	EA	3 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,242.56	156.54
23 82 39 13-0005	EA	4 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,268.05	156.54
23 82 39 13-0006	EA	5 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,293.52	156.54
23 82 39 13-0007	EA	6 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,319.00	156.54
23 82 39 13-0008	EA	7 KW, 250 CFM, 35" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,344.49	156.54
23 82 39 13-0009	EA	8 KW, 250 CFM, 35" Electric Cabinet Unit Heater	3,370.99	156.54
23 82 39 13-0010	EA	For Ceiling Installation of 35" Cabinet Unit Heater, Add	209.13	103.94

23 82 39 13-0011 Electric Cabinet Unit Heaters, 45" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0012	EA	4 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,417.29	187.84
23 82 39 13-0013	EA	6 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,468.27	187.84
23 82 39 13-0014	EA	8 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,519.23	187.84
23 82 39 13-0015	EA	10 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,570.20	187.84
23 82 39 13-0016	EA	12 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,621.16	187.84
23 82 39 13-0017	EA	14 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,672.13	187.84
23 82 39 13-0018	EA	16 KW, 500 CFM, 45" Electric Cabinet Unit Heater Note: Wall or floor mounted.	3,723.09	187.84
23 82 39 13-0019	EA	For Ceiling Installation of 45" Cabinet Unit Heater, Add	250.46	125.23

23 82 39 13-0020 Electric Cabinet Unit Heaters, 58" Cabinet Length *(23 82 39 13-0001)*

23 82 39 13-0021	EA	6 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,289.68	250.46
23 82 39 13-0022	EA	8 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,340.63	250.46
23 82 39 13-0023	EA	10 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,391.61	250.46
23 82 39 13-0024	EA	12 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,442.56	250.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 13-0025	EA	14 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,493.54	250.46
23 82 39 13-0026	EA	16 KW, 750 CFM, 58" Electric Cabinet Unit Heater Note: Wall or floor mounted.	4,544.49	250.46
23 82 39 13-0027	EA	For Ceiling Installation of 58" Cabinet Unit Heater, Add	313.07	156.54
23 82 39 13-0028		Electric Cabinet Unit Heaters, 68" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0029	EA	6 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,060.14	313.07
23 82 39 13-0030	EA	9 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,136.58	313.07
23 82 39 13-0031	EA	12 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,213.02	313.07
23 82 39 13-0032	EA	15 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,289.47	313.07
23 82 39 13-0033	EA	18 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,365.93	313.07
23 82 39 13-0034	EA	21 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,442.37	313.07
23 82 39 13-0035	EA	24 KW, 750 CFM, 68" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,518.82	313.07
23 82 39 13-0036	EA	For Ceiling Installation of 68" Cabinet Unit Heater, Add	418.27	209.13
23 82 39 13-0037		Electric Cabinet Unit Heaters, 78" Cabinet Length *(23 82 39 13-0001)*		
23 82 39 13-0038	EA	8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	5,932.52	375.69
23 82 39 13-0039	EA	12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,034.45	375.69
23 82 39 13-0040	EA	16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,136.38	375.69
23 82 39 13-0041	EA	20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,238.31	375.69
23 82 39 13-0042	EA	24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,340.24	375.69
23 82 39 13-0043	EA	28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,442.17	375.69
23 82 39 13-0044	EA	32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater Note: Wall or floor mounted.	6,544.10	375.69
23 82 39 13-0045	EA	For Ceiling Installation of 78" Cabinet Unit Heater, Add	500.91	250.46
23 82 39 13-0046		Removal and Reinstallation of Cabinet Unit Heaters *(23 82 39 13)* Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.		
23 82 39 13-0047	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall	338.11	
23 82 39 13-0048	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall	584.01	
23 82 39 13-0049	EA	Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling	697.12	
23 82 39 13-0050	EA	Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling	943.00	
23 82 39 16		**Propeller Unit Heaters** *(23 82 39)*		
23 82 39 16-0001		Hydronic Unit Heaters Using Steam Or Hot Water *(23 82 39 16)* Note: For use with either steam or heating hot water. Heating output capacities for both are listed.		
23 82 39 16-0002		Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0003	EA	18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,433.89	122.95
23 82 39 16-0004	EA	24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,437.12	122.95
23 82 39 16-0005	EA	36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,623.39	122.95
23 82 39 16-0006	EA	48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	1,940.18	184.42
23 82 39 16-0007	EA	60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,035.48	184.42
23 82 39 16-0008	EA	72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,177.38	184.42
23 82 39 16-0009	EA	84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,579.68	245.90
23 82 39 16-0010	EA	96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	2,865.58	245.90
23 82 39 16-0011	EA	108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,047.51	245.90
23 82 39 16-0012	EA	120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,194.79	245.90
23 82 39 16-0013	EA	132 MBH Steam, 95.8 MBH Hot Water, 2.000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,564.63	307.37
23 82 39 16-0014	EA	144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,614.47	307.37
23 82 39 16-0015	EA	156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,662.12	307.37
23 82 39 16-0016	EA	180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	3,843.47	368.85
23 82 39 16-0017	EA	204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,216.00	368.85
23 82 39 16-0018	EA	240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	4,796.12	430.32
23 82 39 16-0019	EA	280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,145.43	430.32
23 82 39 16-0020	EA	300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	6,489.20	491.79
23 82 39 16-0021	EA	360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt	7,875.35	491.79
23 82 39 16-0022	EA	Fan Guard For Fan Propelled Steam Unit Heater, Horizontal. Note: Required only for unit heaters located within 7' of a working surface.	281.41	30.74
23 82 39 16-0023		Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt *(23 82 39 16-0001)*		
23 82 39 16-0024	EA	41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,067.99	122.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 39 16-0025	EA	65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,170.86	184.42
23 82 39 16-0026	EA	80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,358.22	184.42
23 82 39 16-0027	EA	101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	2,872.10	245.90
23 82 39 16-0028	EA	124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,056.17	245.90
23 82 39 16-0029	EA	152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,509.92	368.85
23 82 39 16-0030	EA	173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	3,791.49	368.85
23 82 39 16-0031	EA	210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,027.59	368.85
23 82 39 16-0032	EA	249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,473.39	430.32
23 82 39 16-0033	EA	283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	4,752.81	430.32
23 82 39 16-0034	EA	333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	5,318.07	430.32
23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	6,079.35	553.26
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	7,959.32	553.26
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	8,535.44	553.26
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt	9,736.99	614.73
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical Note: Required only for unit heaters located within 7' of a working surface.	388.14	30.74

23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters *(23 82 39 16)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	737.68	
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical	983.58	

23 82 39 19 Wall and Ceiling Unit Heaters *(23 82 39)*

23 82 39 19-0001 Electric Unit Heaters *(23 82 39 19)*

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	930.71	125.23
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	930.71	125.23
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,249.41	156.54
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	1,432.28	187.84
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt	2,091.96	250.46
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt	3,051.78	313.07
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	4,217.17	375.69
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt	6,174.04	438.30
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt	1,151.85	125.23
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt	1,108.68	125.23
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt	1,312.61	156.54
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt	1,514.51	187.84
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt	2,256.41	250.46

23 82 39 19-0015 Electric Ceiling and Wall Heaters *(23 82 39 19)*

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater	423.77	78.27
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater	496.11	87.66
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater	779.53	87.66
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater	481.98	78.27
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater	587.97	87.66
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater	887.43	87.66
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater	633.85	103.31
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater	1,187.62	109.57
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater	1,337.40	109.57
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,553.26	115.84
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater	1,684.77	115.84
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater	711.65	103.31
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater	1,310.16	109.57
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater	1,459.94	109.57
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB)	676.41	78.27

23 82 39 19-0031 Removal And Reinstallation Of Electric Unit Heaters *(23 82 39 19)*

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0032	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater	442.64	
23 82 39 19-0033	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater	909.92	

23 84 Humidity Control Equipment *(23 80)*

23 84 13 Humidifiers *(23 84)*

23 84 13 16 Wetted-Element Humidifiers *(23 84 13)*

23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing *(23 84 13 16)*

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA	1-96 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	13,414.94	506.55
23 84 13 16-0003	EA	20-168 Lb./Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold	17,014.55	507.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 84 13 23 Direct-Steam-Injection Humidifiers *(23 84 13)*

23 84 13 23-0001 Steam Type Pneumatically Controlled *(23 84 13 23)*

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA	3-191 Lb./Hour Steam Humidifier, 24" Manifold, Pneumatic Controls	2,157.58	324.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*663.67*	
23 84 13 23-0003	EA	3-191 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	2,157.58	324.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*663.67*	
23 84 13 23-0004	EA	65-334 Lb./Hour Steam Humidifier, 36" Manifold, Pneumatic Controls	3,104.65	324.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*947.79*	
23 84 13 23-0005	EA	65-334 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	3,227.59	405.73
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*988.77*	
23 84 13 23-0006	EA	100-690 Lb./Hour Steam Humidifier, 48" Manifold, Pneumatic Controls	4,661.88	324.58
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,414.96*	
23 84 13 23-0007	EA	100-690 Lb./Hour Steam Humidifier, 84" Manifold, Pneumatic Controls	4,784.82	405.73
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*1,455.94*	
23 84 13 23-0008	EA	220-2,000 Lb./Hour Steam Humidifier, 72" Manifold, Pneumatic Controls	7,217.99	405.73
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,185.89*	
23 84 13 23-0009	EA	220-2,000 Lb./Hour Steam Humidifier, 144" Manifold, Pneumatic Controls	7,371.68	507.77
		For Electrically Controlled Unit, Add	*700.00*	
		For Each Additional Manifold, Add	*2,237.12*	

23 84 13 29 Self-Contained Steam Humidifiers *(23 84 13)*

23 84 13 29-0001 Residential Humidifiers *(23 84 13 29)*

Note: Includes solenoid valve and flow through water supply.

23 84 13 29-0002	EA	Duct Or Furnace Mounted Humidifier, Residential Type	620.23	61.47

23 84 16 Mechanical Dehumidification Units *(23 84)*

23 84 16 16 Indoor, Mechanical Dehumidification Units *(23 84 16)*

23 84 16 16-0001 Mechanical Dehumidification Units *(23 84 16 16)*

Note: Sized by moisture removal per 24 hours.

23 84 16 16-0002	EA	65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier	2,381.47	62.61
23 84 16 16-0003	EA	90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	2,997.47	73.04
23 84 16 16-0004	EA	120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier	4,021.04	83.49

23 84 16 33 Portable Dehumidifiers *(23 84 16)*

23 84 16 33-0001 Self Contained Free Standing Unit *(23 84 16 33)*

Note: Sized by moisture removal per 24 hours.

23 84 16 33-0002	EA	30 Pint/24 Hour Dehumidifier	534.93	135.50
23 84 16 33-0003	EA	50 Pint/24 Hour Dehumidifier	645.42	135.50
23 84 16 33-0004	EA	70 Pint/24 Hour Dehumidifier	711.71	135.50

END OF SECTION 23

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels. Electricial equipment and lighting shall conform to California Title 24.

26 01 Operation and Maintenance of Electrical Systems *(26)*

26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution *(26 01)*

26 01 10 91 Medium-Voltage Electrical Distribution Restoration *(26 01 10)*

26 01 10 91-0001 Retrofit Distribution Enclosures *(26 01 10 91)*
Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.

26 01 10 91-0002	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) Note: 2mm thick, aluminum frame, hinged cover.	478.12	
		For Up To 20, Add	*103.73*	
		For >20 To 50, Add	*82.98*	
		For >50 To 100, Add	*41.49*	
26 01 10 91-0003	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) Note: 2mm thick, aluminum frame, hinged cover.	626.83	
		For Up To 20, Add	*140.91*	
		For >20 To 50, Add	*112.72*	
		For >50 To 100, Add	*56.36*	
26 01 10 91-0004	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) Note: 4mm thick, aluminum frame, hinged cover.	953.99	
		For Up To 20, Add	*222.70*	
		For >20 To 50, Add	*178.16*	
		For >50 To 100, Add	*89.08*	
26 01 10 91-0005	EA	2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) Note: 2mm thick, aluminum frame, twist cover.	476.49	
		For Up To 20, Add	*103.32*	
		For >20 To 50, Add	*82.66*	
		For >50 To 100, Add	*41.33*	
26 01 10 91-0006	EA	3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) Note: 2mm thick, aluminum frame, twist cover.	614.72	
		For Up To 20, Add	*137.88*	
		For >20 To 50, Add	*110.30*	
		For >50 To 100, Add	*55.15*	
26 01 10 91-0007	EA	4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) Note: 4mm thick, aluminum frame, twist cover.	927.10	
		For Up To 20, Add	*215.97*	
		For >20 To 50, Add	*172.78*	
		For >50 To 100, Add	*86.39*	
26 01 10 91-0008	EA	2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	371.04	
		For Up To 20, Add	*76.96*	
		For >20 To 50, Add	*61.57*	
		For >50 To 100, Add	*30.78*	
26 01 10 91-0009	EA	3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	531.65	
		For Up To 20, Add	*117.11*	
		For >20 To 50, Add	*93.69*	
		For >50 To 100, Add	*46.84*	
26 01 10 91-0010	EA	4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPFR) Note: 0.25mm thick, composite frame, metal grille reinforced polymer.	765.87	
		For Up To 20, Add	*175.67*	
		For >20 To 50, Add	*140.53*	
		For >50 To 100, Add	*70.27*	
26 01 10 91-0011	EA	2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	696.38	
		For Up To 20, Add	*158.29*	
		For >20 To 50, Add	*126.63*	
		For >50 To 100, Add	*63.32*	
26 01 10 91-0012	EA	3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	965.09	
		For Up To 20, Add	*225.47*	
		For >20 To 50, Add	*180.38*	
		For >50 To 100, Add	*90.19*	
26 01 10 91-0013	EA	4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,785.81	
		For Up To 20, Add	*430.65*	
		For >20 To 50, Add	*344.52*	
		For >50 To 100, Add	*172.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 10 91-0014	EA	3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	803.18	
		For Up To 20, Add	*184.99*	
		For >20 To 50, Add	*147.99*	
		For >50 To 100, Add	*74.00*	
26 01 10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) Note: 4mm thick, aluminum frame, magnetic cover.	1,192.26	
		For Up To 20, Add	*282.26*	
		For >20 To 50, Add	*225.81*	
		For >50 To 100, Add	*112.91*	

26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution *(26 01)*

26 01 20 91 Low-Voltage Electrical Distribution Restoration *(26 01 20)*

26 01 20 91-0001 Lock Out/Tag Out Devices *(26 01 20 91)*

Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.

26 01 20 91-0002	EA	Lock Out/Tag Out Local Disconnect Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	36.81
26 01 20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).	36.81
26 01 20 91-0004	EA	Lock Out Padlock Device Note: Includes the installation and removal of pad lock when required	10.23
26 01 20 91-0005	EA	Lock Out Tags Note: Includes filling out tag information, installation and removal of identifying tags.	4.75

26 01 20 91-0006 Existing Circuit Tracing *(26 01 20 91)*

26 01 20 91-0007	EA	Motors, Diconnects And Other Single Source Devices, Existing Circuit Tracing Per Device	21.26
26 01 20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit	21.26

26 01 30 Operation and Maintenance of Facility Electrical Power Generating and Storing Equipment *(26 01)*

26 01 30 91 Facility Electrical Power Generating and Storing Equipment Restoration *(26 01 30)*

26 01 30 91-0001 Emergency Generator Permits *(26 01 30 91)*

26 01 30 91-0002 Air Pollution Control Board *(26 01 30 91-0001)*

26 01 30 91-0003	EA	APCD Permit To Construct And Operate Emergency Generator	5,052.51

26 01 50 Operation and Maintenance of Lighting *(26 01)*

26 01 50 51 Luminaire Relamping *(26 01 50)*

26 01 50 51-0001 Replace Lamps In Existing Fixtures *(26 01 50 51)*

Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps.

26 01 50 51-0002 Halogen Lamps *(26 01 50 51-0001)*

26 01 50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp	55.64
26 01 50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp	72.77
26 01 50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp	110.07
26 01 50 51-0006	EA	60 Watt, PAR38, Halogen Lamp	25.27
26 01 50 51-0007	EA	75 Watt, PAR38, Halogen Lamp	25.27
26 01 50 51-0008	EA	90 Watt, PAR38, Halogen Lamp	23.75
26 01 50 51-0009	EA	100 Watt, PAR38, Halogen Lamp	23.75
26 01 50 51-0010	EA	60 Watt, PAR38, Halogen IR Reflective Lamp	35.45
26 01 50 51-0011	EA	67 Watt, PAR38, Halogen IR Reflective Lamp	39.25
26 01 50 51-0012	EA	70 Watt, PAR38, Halogen IR Reflective Lamp	38.27
26 01 50 51-0013	EA	90 Watt, PAR38, Halogen IR Reflective Lamp	41.18
26 01 50 51-0014	EA	100 Watt, PAR38, Halogen IR Reflective Lamp	41.80
26 01 50 51-0015	EA	12 Watt, 10 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-65-B01-12-830-10)	22.14
26 01 50 51-0016	EA	12 Watt, 20 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-20)	22.14
26 01 50 51-0017	EA	12 Watt, 25 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-25)	24.50
26 01 50 51-0018	EA	12 Watt, 36 Degree Beam, Base B01, Halogen Lamp (Soraa MR16-75-B01-12-830-36)	24.50

26 01 50 51-0019 Incandescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0020	EA	100 Watt, Frosted, Interior Incandescent Lamp	6.07
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*
26 01 50 51-0021	EA	150 Watt, Frosted, Interior Incandescent Lamp	8.00
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*
26 01 50 51-0022	EA	200 Watt, Frosted, Interior Incandescent Lamp	10.17
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0023	EA	300 Watt, PS25, Interior Incandescent Lamp	12.91	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*	
26 01 50 51-0024	EA	60 Watt, G25, Clear, Interior Incandescent Lamp	9.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*	
26 01 50 51-0025	EA	75 Watt, R20, Interior Incandescent Lamp	15.30	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.03*	
26 01 50 51-0026	EA	75 Watt, PAR38, Exterior Incandescent Lamp	19.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.03*	
26 01 50 51-0027	EA	100 Watt, PAR38, Exterior Incandescent Lamp	17.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.03*	
26 01 50 51-0028	EA	150 Watt, PAR38, Exterior Incandescent Lamp	32.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.03*	
26 01 50 51-0029	EA	250 Watt, PAR38, Exterior Incandescent Lamp	68.29	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.37*	
26 01 50 51-0030	EA	300 Watt, PAR56, Exterior Incandescent Lamp	78.95	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.37*	

26 01 50 51-0031 Exit Light Lamps *(26 01 50 51-0001)*

26 01 50 51-0032	EA	Convert Exit Light Lamps To Red LED Lamps	104.34	
		For Green LED Lamps, Add	*25.00*	
26 01 50 51-0033	EA	Fluorescent Lamp For Exit Light	30.12	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-6.77*	
26 01 50 51-0034	EA	Lamp Replacement For Emergency Lights On Exit Sign	45.00	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.39*	

26 01 50 51-0035 Fluorescent Lamps *(26 01 50 51-0001)*

26 01 50 51-0036	EA	18", 15 Watt, T8 Fluorescent Lamp	11.36	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0037	EA	2', 17 Watt, T8 Fluorescent Lamp	14.09	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0038	EA	3', 25 Watt, T8 Fluorescent Lamp	16.24	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0039	EA	4', 32 Watt, T8 Fluorescent Lamp	16.15	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0040	EA	4', 30 Watt, T8 Fluorescent Lamp	20.95	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0041	EA	4', 28 Watt, T8 Fluorescent Lamp	18.08	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0042	EA	4', 25 Watt, T8 Fluorescent Lamp	17.97	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0043	EA	4', 44 Watt, T8HO Fluorescent Lamp	30.31	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0044	EA	8', 59 Watt, T8 Fluorescent Lamp	22.56	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0045	EA	18", 15 Watt, T12 Fluorescent Lamp	18.24	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0046	EA	2', 20 Watt, T12 Fluorescent Lamp	13.31	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0047	EA	3', 30 Watt, T12 Fluorescent Lamp	14.94	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0048	EA	4', 34 Watt, T12 Fluorescent Lamp	15.03	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0049	EA	4', 40 Watt, T12 Fluorescent Lamp	14.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0050	EA	8', 60 Watt, T12 Fluorescent Lamp	23.19	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0051	EA	8', 75 Watt, T12 Fluorescent Lamp	19.22	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0052	EA	8', 95 Watt, Instant Start T12 Fluorescent Lamp	34.50	
26 01 50 51-0053	EA	6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp	18.48	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0054	EA	8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp	14.83	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0055	EA	12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp	14.27	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0056	EA	16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp	16.02	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0057	EA	32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp	27.33	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.39*	
26 01 50 51-0058	EA	40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp	26.26	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.39*	
26 01 50 51-0059	EA	6", 4 Watt, T5 Fluorescent Lamp	12.84	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0060	EA	9", 6 Watt, T5 Fluorescent Lamp	12.59	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0061	EA	12", 8 Watt, T5 Fluorescent Lamp	13.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0062	EA	21", 13 Watt, T5 Fluorescent Lamp	13.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0063	EA	24", 14 Watt, T5 Fluorescent Lamp	16.18	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0064	EA	34", 21 Watt, T5 Fluorescent Lamp	17.52	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0065	EA	46", 28 Watt, T5 Fluorescent Lamp	16.89	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0066	EA	46", 54 Watt, T5HO Fluorescent Lamp	18.71	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0067	EA	46", 54 Watt T5 Fluorescent Lamp	16.82	
26 01 50 51-0068	EA	5-13 Watt, 2-Pin Compact Fluorescent Lamp	10.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*	
26 01 50 51-0069	EA	9-26 Watt, 4-Pin Compact Fluorescent Lamp	11.76	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*	
26 01 50 51-0070	EA	27-55 Watt, 4-Pin Compact Fluorescent Lamp	25.59	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*	
26 01 50 51-0071	EA	Compact Fluorescent 13 Watt, 4-Pin Lamps CF13DD/E/827, Dulux	32.97	
26 01 50 51-0072	EA	Compact Fluorescent 18 Watt, 4-Pin Lamps CF18DD/E/827, Dulux	32.97	
26 01 50 51-0073	EA	32 Watt 2D (DoubleD) Fluorescent Lamp, 4-Pin	64.84	
26 01 50 51-0074	EA	26 Watt (1,600 Lumens) 4-pin Quad Tube PL Lamp	22.66	
26 01 50 51-0075	EA	<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps	10.97	
26 01 50 51-0076	EA	9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps	9.28	
26 01 50 51-0077	EA	29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps	9.81	
26 01 50 51-0078	EA	33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps	44.73	
26 01 50 51-0079	EA	43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps	48.92	
26 01 50 51-0080	EA	85 Watt, Screw-In, Spiral Compact Fluorescent Lamps	94.42	
26 01 50 51-0081	EA	105 Watt, Screw-In, Spiral Compact Fluorescent Lamps	113.37	
26 01 50 51-0082	EA	200 Watt, Screw-In, Spiral Compact Fluorescent Lamps	117.23	
26 01 50 51-0083	EA	11 Watt, Screw-In, Compact Fluorescent Reflector Lamps	41.36	
26 01 50 51-0084	EA	15 Watt, Screw-In, Compact Fluorescent Reflector Lamps	43.21	
26 01 50 51-0085	EA	20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps	50.16	
26 01 50 51-0086		**Metal Halide Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0087	EA	50 Watt, Pulse Start Metal Halide Lamp	47.33	
26 01 50 51-0088	EA	70 Watt, Pulse Start Metal Halide Lamp	45.10	
26 01 50 51-0089	EA	100 Watt, Pulse Start Metal Halide Lamp	52.16	
26 01 50 51-0090	EA	150 Watt, Pulse Start Metal Halide Lamp	50.56	
26 01 50 51-0091	EA	175 Watt, Pulse Start Metal Halide Lamp	50.10	
26 01 50 51-0092	EA	250 Watt, Pulse Start Metal Halide Lamp	50.41	
26 01 50 51-0093	EA	400 Watt, Pulse Start Metal Halide Lamp	61.68	
26 01 50 51-0094	EA	1,000 Watt, Pulse Start Metal Halide Lamp	72.48	
26 01 50 51-0095	EA	1,500 Watt, Pulse Start Metal Halide Lamp	72.03	
26 01 50 51-0096		**High Pressure Sodium Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0097	EA	35 Watt, High Pressure Sodium Lamp	38.22	
		For Enclosed And Gasket Light Fixtures, Add	*2.60*	
26 01 50 51-0098	EA	50 Watt, High Pressure Sodium Lamp	38.22	
		For Enclosed And Gasket Light Fixtures, Add	*2.60*	
26 01 50 51-0099	EA	70 Watt, High Pressure Sodium Lamp	39.19	
		For Enclosed And Gasket Light Fixtures, Add	*2.60*	
26 01 50 51-0100	EA	100 Watt, High Pressure Sodium Lamp	41.02	
		For Enclosed And Gasket Light Fixtures, Add	*2.60*	
26 01 50 51-0101	EA	150 Watt, High Pressure Sodium Lamp	39.19	
		For Enclosed And Gasket Light Fixtures, Add	*2.60*	
26 01 50 51-0102	EA	250 Watt, High Pressure Sodium Lamp	39.19	
		For Enclosed And Gasket Light Fixtures, Add	*2.60*	
26 01 50 51-0103	EA	400 Watt, High Pressure Sodium Lamp	36.45	
		For Enclosed And Gasket Light Fixtures, Add	*2.60*	
26 01 50 51-0104	EA	1,000 Watt, High Pressure Sodium Lamp	89.96	
26 01 50 51-0105		**Low Pressure Sodium Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0106	EA	35 Watt, Low Pressure Sodium Lamp	104.58	
26 01 50 51-0107	EA	55 Watt, Low Pressure Sodium Lamp	117.25	
26 01 50 51-0108	EA	70 Watt, Low Pressure Sodium Lamp	120.10	
26 01 50 51-0109	EA	90 Watt, Low Pressure Sodium Lamp	122.95	
26 01 50 51-0110	EA	135 Watt, Low Pressure Sodium Lamp	134.37	
26 01 50 51-0111	EA	180 Watt, Low Pressure Sodium Lamp	185.74	
26 01 50 51-0112		**LED Lamps** *(26 01 50 51-0001)*		
26 01 50 51-0113		**LED Lamps, Candelabra Base, CA10** *(26 01 50 51-0112)*		
26 01 50 51-0114	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star)	24.68	
26 01 50 51-0115		**LED Lamps, Medium Base, A19 Or A21** *(26 01 50 51-0112)*		
26 01 50 51-0116	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	35.74	
26 01 50 51-0117	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	35.74	
26 01 50 51-0118	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star)	65.43	
26 01 50 51-0119	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	43.23	
26 01 50 51-0120	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star)	83.98	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0121		**LED Lamps, Medium Base, BR30 Or BR40** *(26 01 50 51-0112)*		
26 01 50 51-0122	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	47.01	
26 01 50 51-0123	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star)	40.74	
26 01 50 51-0124	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	57.40	
26 01 50 51-0125	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	46.30	
26 01 50 51-0126	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	64.82	
26 01 50 51-0127	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star)	46.30	
26 01 50 51-0128		**LED Lamps, Medium Base, PAR** *(26 01 50 51-0112)*		
26 01 50 51-0129	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star)	52.95	
26 01 50 51-0130	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star)	75.99	
26 01 50 51-0131	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	75.99	
26 01 50 51-0132	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	72.28	
26 01 50 51-0133	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star)	68.57	
26 01 50 51-0134	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	68.57	
26 01 50 51-0135	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star)	143.53	
26 01 50 51-0136	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	75.99	
26 01 50 51-0137	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	72.28	
26 01 50 51-0138	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star)	75.99	
26 01 50 51-0139	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star)	75.99	
26 01 50 51-0140		**LED Lamps, GU Base, MR16** *(26 01 50 51-0112)*		
26 01 50 51-0141	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star)	33.31	
26 01 50 51-0142	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star)	47.01	
26 01 50 51-0143	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star)	52.95	
26 01 50 51-0144		**LED Lamps, PL Series** *(26 01 50 51-0112)*		
26 01 50 51-0145	EA	3.5 Watt, 2-Pin CFL G23 Base , Hybrid Lamp (GreenCreative PLS 3.5 HYB G23)	16.47	
26 01 50 51-0146	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR)	21.56	
26 01 50 51-0147	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/830/DIR)	18.03	
26 01 50 51-0148	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/835/DIR)	20.24	
26 01 50 51-0149	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/840/DIR)	20.24	
26 01 50 51-0150	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 10.5PLH/930/DIR)	24.22	
26 01 50 51-0151	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/827/DIR)	20.24	
26 01 50 51-0152	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/830/DIR)	20.24	
26 01 50 51-0153	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/835/DIR)	20.24	
26 01 50 51-0154	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 5.5PLH/840/DIR)	20.24	
26 01 50 51-0155	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 10PLV/827/DIR)	22.89	
26 01 50 51-0156	EA	26 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/830/DIR)	22.89	
26 01 50 51-0157	EA	26 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 10PLV/835/DIR)	22.89	
26 01 50 51-0158	EA	26 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 10PLV/840/DIR)	22.89	
26 01 50 51-0159	EA	26 Watt, 3000K CCT, High CRI, PL EDGE DIRect Series (Green Creative 11PLV/930/DIR)	21.56	
26 01 50 51-0160	EA	13-18 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/827/DIR)	21.56	
26 01 50 51-0161	EA	13-18 Watt, 3000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/830/DIR)	21.56	
26 01 50 51-0162	EA	13-18 Watt, 3500K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/835/DIR)	22.45	
26 01 50 51-0163	EA	13-18 Watt, 4000K CCT, PL EDGE DIRect Series (Green Creative 6.5PLV/840/DIR)	22.45	
26 01 50 51-0164	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP)	22.64	
26 01 50 51-0165	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP)	22.64	
26 01 50 51-0166	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP)	22.64	
26 01 50 51-0167	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP)	22.64	
26 01 50 51-0168	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP)	23.33	
26 01 50 51-0169	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP)	23.33	
26 01 50 51-0170	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26)	23.33	
26 01 50 51-0171	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26)	23.33	
26 01 50 51-0172	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26)	23.33	
26 01 50 51-0173	EA	13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24)	23.33	
26 01 50 51-0174	EA	13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24)	23.33	
26 01 50 51-0175	EA	13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24)	23.33	
26 01 50 51-0176	EA	26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP)	30.24	
26 01 50 51-0177	EA	26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP)	30.24	
26 01 50 51-0178	EA	26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP)	30.24	
26 01 50 51-0179	EA	26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP)	28.65	
26 01 50 51-0180	EA	13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP)	28.65	
26 01 50 51-0181	EA	13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP)	28.65	
26 01 50 51-0182	EA	4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898)	25.73	
26 01 50 51-0183		**HID LED Lamps, Medium Base E26** *(26 01 50 51-0112)*		
26 01 50 51-0184	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26)	59.15	
26 01 50 51-0185	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26)	59.15	
26 01 50 51-0186	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26)	75.50	
26 01 50 51-0187	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26)	75.50	
26 01 50 51-0188	EA	10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026)	49.95	
26 01 50 51-0189	EA	10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026)	49.95	
26 01 50 51-0190	EA	10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026)	49.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0191	EA	10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026)	49.95	
26 01 50 51-0192	EA	15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026)	51.72	
26 01 50 51-0193	EA	15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026)	51.72	
26 01 50 51-0194	EA	15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026)	51.72	
26 01 50 51-0195	EA	15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026)	51.72	
26 01 50 51-0196	EA	20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026)	58.80	
26 01 50 51-0197	EA	20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026)	58.80	
26 01 50 51-0198	EA	20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026)	58.80	
26 01 50 51-0199	EA	20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026)	58.80	
26 01 50 51-0200	EA	25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026)	67.64	
26 01 50 51-0201	EA	25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026)	67.64	
26 01 50 51-0202	EA	25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026)	67.64	
26 01 50 51-0203	EA	25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026)	67.64	
26 01 50 51-0204	EA	30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026)	87.09	
26 01 50 51-0205	EA	30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026)	87.09	
26 01 50 51-0206	EA	30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026)	87.09	
26 01 50 51-0207	EA	30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026)	87.09	
26 01 50 51-0208	EA	40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026)	103.90	
26 01 50 51-0209	EA	40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026)	103.90	
26 01 50 51-0210	EA	40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026)	103.90	
26 01 50 51-0211	EA	40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026)	103.90	
26 01 50 51-0212	EA	60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026)	115.39	
26 01 50 51-0213	EA	60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026)	115.39	
26 01 50 51-0214	EA	60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026)	115.39	
26 01 50 51-0215	EA	60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026)	115.39	
26 01 50 51-0216	EA	80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026)	156.95	
26 01 50 51-0217	EA	80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026)	156.95	
26 01 50 51-0218	EA	80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026)	156.95	
26 01 50 51-0219	EA	80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026)	156.95	
26 01 50 51-0220	EA	100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026)	162.26	
26 01 50 51-0221	EA	100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026)	162.26	
26 01 50 51-0222	EA	100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026)	162.26	
26 01 50 51-0223	EA	100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026)	162.26	
26 01 50 51-0224	EA	120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026)	193.21	
26 01 50 51-0225	EA	120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026)	193.21	
26 01 50 51-0226	EA	120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026)	193.21	
26 01 50 51-0227	EA	120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026)	193.21	
26 01 50 51-0228	EA	150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026)	230.35	
26 01 50 51-0229	EA	150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026)	230.35	
26 01 50 51-0230	EA	150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026)	230.35	
26 01 50 51-0231	EA	150 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-6026)	230.35	
26 01 50 51-0232	EA	20 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT40KMED-G6)	73.71	
26 01 50 51-0233	EA	20 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED20WPT50KMED-G6)	79.90	
26 01 50 51-0234	EA	27 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT40KMED-G5)	79.90	
26 01 50 51-0235	EA	27 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED27WPT50KMED-G5)	73.71	
26 01 50 51-0236	EA	36 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT40KMED-G5)	93.16	
26 01 50 51-0237	EA	36 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED36WPT50KMED-G5)	85.21	
26 01 50 51-0238	EA	45 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT40KMED-G5)	102.89	
26 01 50 51-0239	EA	45 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED45WPT50KMED-G5)	101.85	
26 01 50 51-0240	EA	54 Watt, 4000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT40KMED-G5)	104.22	
26 01 50 51-0241	EA	54 Watt, 5000K CCT, Medium Base E26, LED Post Top Lamp (EiKO industries LED54WPT50KMED-G5)	104.22	
26 01 50 51-0242	EA	27 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT40KMED-G7)	62.24	
26 01 50 51-0243	EA	27 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED27WPT50KMED-G7)	62.24	
26 01 50 51-0244	EA	36 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT40KMED-G7)	70.42	
26 01 50 51-0245	EA	36 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED36WPT50KMED-G7)	70.42	
26 01 50 51-0246	EA	45 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT40KMED-G7)	75.86	
26 01 50 51-0247	EA	45 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED45WPT50KMED-G7)	75.86	
26 01 50 51-0248	EA	54 Watt, 4000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT40KMED-G7)	84.03	
26 01 50 51-0249	EA	54 Watt, 5000K CCT, Medium Base E26, LED Lamp (EiKO industries LED54WPT50KMED-G7)	84.03	
26 01 50 51-0250	EA	20 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-20W8-55K-E26)	84.45	
26 01 50 51-0251	EA	30 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-30W8-55K-E26)	91.71	
26 01 50 51-0252	EA	40 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-40W8-55K-E26)	114.61	
26 01 50 51-0253	EA	50 Watt, 5500K CCT, Medium Base E26, LED Lamp (Olympic CL-50W8-55K-E26)	126.46	
26 01 50 51-0254	EA	10 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-10W12-55K-E26)	48.37	
26 01 50 51-0255	EA	15 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-15W12-55K-E26)	54.74	
26 01 50 51-0256	EA	20 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-20W12-55K-E26)	57.92	
26 01 50 51-0257	EA	25 Watt, 5500K CCT, Medium Base E26, Compact LED Lamp (Olympic CCL-25W12-55K-E26)	63.85	
26 01 50 51-0258	EA	15 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148015-UNV)	77.22	
26 01 50 51-0259	EA	20 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148020-UNV)	90.83	
26 01 50 51-0260	EA	25 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148025-UNV)	124.84	
26 01 50 51-0261	EA	30 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148030-UNV)	131.64	
26 01 50 51-0262	EA	35 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148035-UNV)	142.53	
26 01 50 51-0263	EA	40 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148040-UNV)	149.33	
26 01 50 51-0264	EA	60 Watt, Medium Base E26, LED Self-Ballasted Retrofit Lamp (Neptun LED-N148060-UNV)	215.99	
26 01 50 51-0265	EA	20 Watt, 5000K CCT, 120-277 Volt, E26 (Medium) Base, LED Retrofit Omni-Directional Lamp (HYLITE HL-IOD-20W-E26-50K)	64.32	

26 01 50 51-0266 HID LED Lamps, Mogul Base E39 Or EX39 *(26 01 50 51-0112)*

26 01 50 51-0267	EA	120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39)	205.71	
26 01 50 51-0268	EA	120 Watt, 5000K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/850/277V/EX39)	205.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0269	EA	120 Watt, 5700 CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/857/277V/EX39)	205.71	
26 01 50 51-0270	EA	27 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/830/277V/EX39)	59.15	
26 01 50 51-0271	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/840/277V/EX39/R)	59.15	
26 01 50 51-0272	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 27HID/850/277V/EX39)	59.15	
26 01 50 51-0273	EA	45 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/830/277V/EX39)	75.50	
26 01 50 51-0274	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/840/277V/EX39/R)	75.50	
26 01 50 51-0275	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 45HID/850/277V/EX39)	75.50	
26 01 50 51-0276	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Lamp (Green Creative 80HID/850/277V/EX39)	141.83	
26 01 50 51-0277	EA	80 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-3039)	156.95	
26 01 50 51-0278	EA	80 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-4039)	156.95	
26 01 50 51-0279	EA	80 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-5039)	156.95	
26 01 50 51-0280	EA	80 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED80-6039)	156.95	
26 01 50 51-0281	EA	100 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-3039)	162.26	
26 01 50 51-0282	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-4039)	162.26	
26 01 50 51-0283	EA	100 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-5039)	162.26	
26 01 50 51-0284	EA	100 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED100-6039)	162.26	
26 01 50 51-0285	EA	120 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-3039)	193.21	
26 01 50 51-0286	EA	120 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-4039)	193.21	
26 01 50 51-0287	EA	120 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-5039)	193.21	
26 01 50 51-0288	EA	120 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED120-6039)	193.21	
26 01 50 51-0289	EA	150 Watt, 3000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-3039)	230.35	
26 01 50 51-0290	EA	150 Watt, 4000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-4039)	230.35	
26 01 50 51-0291	EA	150 Watt, 5000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-5039)	230.35	
26 01 50 51-0292	EA	150 Watt, 6000K CCT, Mogul Base E39, LED Omnidirectional Street Lamp (Bergen industries LED150-6039)	230.35	
26 01 50 51-0293	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT40KMOG-G5)	79.90	
26 01 50 51-0294	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED27WPT50KMOG-G5)	79.90	
26 01 50 51-0295	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT40KMOG-G5)	93.16	
26 01 50 51-0296	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED36WPT50KMOG-G5)	91.94	
26 01 50 51-0297	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT40KMOG-G5)	102.89	
26 01 50 51-0298	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED45WPT50KMOG-G5)	101.85	
26 01 50 51-0299	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT40KMOG-G5)	104.22	
26 01 50 51-0300	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED54WPT50KMOG-G5)	101.14	
26 01 50 51-0301	EA	100 Watt, 4000K CCT, Mogul Base E39, LED Post Top Lamp (EiKO industries LED100WPT40KMOG-G5)	221.39	
26 01 50 51-0302	EA	20 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/40KMOG-G7)	79.87	
26 01 50 51-0303	EA	20 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED20WPT/180/50KMOG-G7)	79.87	
26 01 50 51-0304	EA	30 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/40KMOG-G7)	90.87	
26 01 50 51-0305	EA	30 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED30WPT/180/50KMOG-G7)	90.87	
26 01 50 51-0306	EA	40 Watt, 4000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/40KMOG-G7)	97.49	
26 01 50 51-0307	EA	40 Watt, 5000K CCT, Mogul Base E39, Horizontal LED Lamp (EiKO industries LED40WPT/180/50KMOG-G7)	97.49	
26 01 50 51-0308	EA	27 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT40KMOG-G7)	62.13	
26 01 50 51-0309	EA	27 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED27WPT50KMOG-G7)	62.13	
26 01 50 51-0310	EA	36 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT40KMOG-G7)	70.42	
26 01 50 51-0311	EA	36 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED36WPT50KMOG-G7)	70.42	
26 01 50 51-0312	EA	45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT40KMOG-G7)	75.86	
26 01 50 51-0313	EA	45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED45WPT50KMOG-G7)	75.86	
26 01 50 51-0314	EA	54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT40KMOG-G7)	84.03	
26 01 50 51-0315	EA	54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EiKO industries LED54WPT50KMOG-G7)	84.03	
26 01 50 51-0316	EA	65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39)	152.90	
26 01 50 51-0317	EA	80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39)	177.13	
26 01 50 51-0318	EA	100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39)	211.62	
26 01 50 51-0319	EA	120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39)	414.70	
26 01 50 51-0320	EA	150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39)	391.51	
26 01 50 51-0321	EA	200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39)	414.70	
26 01 50 51-0322	EA	250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39)	416.51	
26 01 50 51-0323	EA	24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A)	61.73	
26 01 50 51-0324	EA	24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A)	61.73	
26 01 50 51-0325	EA	24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A)	61.73	
26 01 50 51-0326	EA	100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50)	184.28	
26 01 50 51-0327	EA	115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D)	419.77	
26 01 50 51-0328	EA	40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K)	176.27	
26 01 50 51-0329	EA	100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K)	208.27	
26 01 50 51-0330	EA	45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K)	89.91	
26 01 50 51-0331	EA	40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K)	290.79	
26 01 50 51-0332		LED Lamps, 2G11 Base *(26 01 50 51-0112)*		
26 01 50 51-0333	EA	19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR)	48.14	
26 01 50 51-0334		LED Lamps, GX23 Or G23 Base *(26 01 50 51-0112)*		
26 01 50 51-0335	EA	5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4)	22.95	
26 01 50 51-0336		LED Lamps, G24 Base *(26 01 50 51-0112)*		
26 01 50 51-0337	EA	5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R)	30.25	
26 01 50 51-0338		LED Tubes (Fluorescent Lamp Replacement) *(26 01 50 51-0112)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0339	EA	2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K)	41.55	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0340	EA	2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K)	54.67	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0341	EA	3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K)	44.80	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.88*	
26 01 50 51-0342	EA	4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K)	49.14	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0343	EA	4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K)	54.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0344	EA	4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN)	33.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0345	EA	2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN)	32.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0346	EA	2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF)	29.06	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.71*	
26 01 50 51-0347	EA	3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF)	29.48	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-2.88*	
26 01 50 51-0348	EA	4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF)	29.35	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	
26 01 50 51-0349	EA	4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF)	30.51	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-3.05*	

26 01 50 51-0350 Filament LED Lamps *(26 01 50 51-0112)*

26 01 50 51-0351	EA	7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827)	18.53
26 01 50 51-0352	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R)	18.53
26 01 50 51-0353	EA	4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827)	17.65
26 01 50 51-0354	EA	4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A)	17.65
26 01 50 51-0355	EA	4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827)	19.06
26 01 50 51-0356	EA	4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A)	19.06
26 01 50 51-0357	EA	3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827)	15.88
26 01 50 51-0358	EA	3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26)	15.88
26 01 50 51-0359	EA	3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A)	16.41
26 01 50 51-0360	EA	3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A)	20.30
26 01 50 51-0361	EA	4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521)	22.20

26 01 50 51-0362 Other Lamps *(26 01 50 51-0112)*

26 01 50 51-0363	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1)	17.51
26 01 50 51-0364	EA	8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM)	17.51
26 01 50 51-0365	EA	11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM)	17.51
26 01 50 51-0366	EA	12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1)	18.39
26 01 50 51-0367	EA	13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1)	18.39
26 01 50 51-0368	EA	8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1)	18.39

26 01 50 51-0369 LED Lamps, Light Engines, Round, LER Series *(26 01 50 51-0112)*

26 01 50 51-0370	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730)	53.17
26 01 50 51-0371	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U)	28.88

26 01 50 51-0372 Remove Hazardous Lamps From Fixture For Recycling *(26 01 50 51)*

Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0381 for recycling hazardous lamps.

26 01 50 51-0373	EA	Removal Of 2' Length Linear Fluorescent Lamps	3.59	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.18*	
26 01 50 51-0374	EA	Removal Of 3' Length Linear Fluorescent Lamps	4.10	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.35*	
26 01 50 51-0375	EA	Removal Of 4' Length Linear Fluorescent Lamps	4.61	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.52*	
26 01 50 51-0376	EA	Removal Of 6' Length Linear Fluorescent Lamps	5.13	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.69*	
26 01 50 51-0377	EA	Removal Of 8' Length Linear Fluorescent Lamps	5.64	
		For Removal Of Multiple Lamps In A Fixture, Deduct	*-1.86*	
26 01 50 51-0378	EA	Removal Of Compact Fluorescent Lamps	3.07	
		For >25 To 40, Deduct	*-0.31*	
		For >40, Deduct	*-0.61*	
26 01 50 51-0379	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps	4.87	
		For >25 To 40, Deduct	*-0.49*	
		For >40, Deduct	*-0.97*	
26 01 50 51-0380	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps	8.72	
		For >25 To 40, Deduct	*-0.87*	
		For >40, Deduct	*-1.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0381		Recycle Hazardous Lamps *(26 01 50 51)* Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.		
26 01 50 51-0382	EA	Recycle 2' Length Linear Fluorescent Lamps	1.79	
26 01 50 51-0383	EA	Recycle 3' Length Linear Fluorescent Lamps	2.29	
26 01 50 51-0384	EA	Recycle 4' Length Linear Fluorescent Lamps	2.79	
26 01 50 51-0385	EA	Recycle 6' Length Linear Fluorescent Lamps	3.95	
26 01 50 51-0386	EA	Recycle 8' Length Linear Fluorescent Lamps	4.95	
26 01 50 51-0387	EA	Recycle Compact Fluorescent Lamps	4.56	
26 01 50 51-0388	EA	Recycle U-Shaped Or Circular Fluorescent Lamps	4.56	
26 01 50 51-0389	EA	Recycle High Intensity Discharge (HID) Lamps	7.20	
26 01 50 52		**Ballasts Replacement** *(26 01 50)*		
26 01 50 52-0001		Lighting Ballasts *(26 01 50 52)* Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 52-0002		Fluorescent Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0003		T5 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0004		T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0005		14 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	136.17	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.28	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0008		21 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	136.17	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.28	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0011		28 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	136.17	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.28	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*8.12*	
26 01 50 52-0014		35 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	136.17	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.28	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0017		54 Watt, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0004)*		
26 01 50 52-0018	EA	1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	136.00	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0019	EA	2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	141.11	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0020	EA	3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	194.81	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0021	EA	4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast	199.94	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0022		High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0003)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0023		12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0024	EA	1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	113.10	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0025	EA	2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.21	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0026		24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0027	EA	1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	149.97	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0028	EA	2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	155.08	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0029		39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0030	EA	1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	149.97	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0031	EA	2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	155.08	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0032		54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0022)*		
26 01 50 52-0033	EA	1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	113.10	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0034	EA	2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast	118.21	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0035		Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0003)*		
26 01 50 52-0036		Step Dimming, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0037		28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast *(26 01 50 52-0036)*		
26 01 50 52-0038	EA	2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast	121.06	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0039		Dimming To 5%, T5 Fluorescent Electronic Ballasts *(26 01 50 52-0035)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0040		54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts *(26 01 50 52-0039)*		
26 01 50 52-0041	EA	1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	499.25	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0042	EA	2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast	490.42	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0043		T8 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0044		T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and low or normal ballast factor.		
26 01 50 52-0045		17 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0046	EA	1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	55.83	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0047	EA	1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	103.36	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0048	EA	2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	60.94	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0049	EA	2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.47	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0050	EA	3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	74.42	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0051	EA	3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	120.91	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0052	EA	4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.97	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0053	EA	4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	131.72	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*28.42*	
26 01 50 52-0054		25 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0055	EA	1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	55.83	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0056	EA	1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	103.36	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0057	EA	2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	60.94	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0058	EA	2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.47	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*12.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0059	EA	3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	74.42	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0060	EA	3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	120.91	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0061	EA	4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.97	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0062	EA	4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	131.72	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0063 28 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0064	EA	1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	55.83	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0065	EA	1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	103.36	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0066	EA	2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	60.94	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0067	EA	2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.47	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0068	EA	3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	74.42	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0069	EA	3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	120.91	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0070	EA	4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.97	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0071	EA	4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	131.72	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0072 32 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0073	EA	1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	55.83	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0074	EA	1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	103.36	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0075	EA	2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	60.94	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*19.75*	
26 01 50 52-0076	EA	2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.47	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0077	EA	3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	74.42	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*19.23*	
26 01 50 52-0078	EA	3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	120.91	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*11.04*	
26 01 50 52-0079	EA	4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast	84.97	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*48.69*	
26 01 50 52-0080	EA	4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	131.72	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*28.42*	

26 01 50 52-0081 40 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*

26 01 50 52-0082	EA	1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	93.29	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0083	EA	1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	103.36	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0084	EA	2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	98.40	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*8.45*	
26 01 50 52-0085	EA	2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	108.47	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*12.99*	
26 01 50 52-0086	EA	3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	123.34	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
		For High Ballast Factor, Add	*5.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0087	EA	3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	120.91	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0088	EA	4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast	128.47	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
		For High Ballast Factor, Add	*5.20*	
26 01 50 52-0089	EA	4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast	131.72	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0090		96 Watt, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0044)*		
26 01 50 52-0091	EA	1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	113.10	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
		For High Ballast Factor, Add	*18.09*	
26 01 50 52-0092	EA	2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast	118.21	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
		For High Ballast Factor, Add	*18.09*	
26 01 50 52-0093		High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0094		48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0095	EA	1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	138.60	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0096	EA	1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	182.65	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0097	EA	2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	143.71	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0098	EA	2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	187.76	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0099		60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0100	EA	1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	138.60	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0101	EA	1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	182.65	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0102	EA	2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	143.71	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0103	EA	2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	187.76	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0104		72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0105	EA	1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	138.60	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0106	EA	1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	182.65	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0107	EA	2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	143.71	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0108	EA	2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	187.76	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0109		96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts *(26 01 50 52-0093)*		
26 01 50 52-0110	EA	1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	138.60	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0111	EA	1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	182.65	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0112	EA	2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast	143.71	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0113	EA	2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast	187.76	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0114		Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0043)*		
26 01 50 52-0115		Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and high ballast factor.		
26 01 50 52-0116		17 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*		
26 01 50 52-0117	EA	1 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0118	EA	2 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0119	EA	3 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	82.43	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0120	EA	4 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0121	EA	5 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	153.35	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0122	EA	6 Lamp, 17 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast	158.48	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0123		25 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*			
26 01 50 52-0124	EA	1 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.16*	
26 01 50 52-0125	EA	2 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.69*	
26 01 50 52-0126	EA	3 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		82.43	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.23*	
26 01 50 52-0127	EA	4 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.77*	
26 01 50 52-0128	EA	5 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		153.35	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.31*	
26 01 50 52-0129	EA	6 Lamp, 25 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		158.48	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.85*	
26 01 50 52-0130		28 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*			
26 01 50 52-0131	EA	1 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.16*	
26 01 50 52-0132	EA	2 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.69*	
26 01 50 52-0133	EA	3 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		82.43	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.23*	
26 01 50 52-0134	EA	4 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.77*	
26 01 50 52-0135	EA	5 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		153.35	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.31*	
26 01 50 52-0136	EA	6 Lamp, 28 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		158.48	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.85*	
26 01 50 52-0137		32 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*			
26 01 50 52-0138	EA	1 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.16*	
26 01 50 52-0139	EA	2 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.69*	
26 01 50 52-0140	EA	3 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		82.43	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.23*	
26 01 50 52-0141	EA	4 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.77*	
26 01 50 52-0142	EA	5 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		153.35	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.31*	
26 01 50 52-0143	EA	6 Lamp, 32 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		158.48	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.85*	
26 01 50 52-0144		40 Watt, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0115)*			
26 01 50 52-0145	EA	1 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.16*	
26 01 50 52-0146	EA	2 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.69*	
26 01 50 52-0147	EA	3 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		82.43	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.23*	
26 01 50 52-0148	EA	4 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.77*	
26 01 50 52-0149	EA	5 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		153.35	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.31*	
26 01 50 52-0150	EA	6 Lamp, 40 Watt, Instant Start, Load Shed 0-10 V Dimming, T8 Fluorescent Electronic Ballast		158.48	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.85*	
26 01 50 52-0151		Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0114)*			
		Note: Includes 120/277 Volt and high ballast factor.			
26 01 50 52-0152		17 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*			
26 01 50 52-0153	EA	1 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast		66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*6.16*	
26 01 50 52-0154	EA	2 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast		71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*7.69*	
26 01 50 52-0155	EA	3 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast		79.98	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*9.23*	
26 01 50 52-0156	EA	4 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast		99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*10.77*	
26 01 50 52-0157	EA	5 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast		145.59	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*12.31*	
26 01 50 52-0158	EA	6 Lamp, 17 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast		150.72	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		*13.85*	
26 01 50 52-0159		25 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0151)*			

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0160	EA	1 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0161	EA	2 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0162	EA	3 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.98	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0163	EA	4 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0164	EA	5 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	145.59	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0165	EA	6 Lamp, 25 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	150.72	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	
26 01 50 52-0166		**28 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0167	EA	1 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0168	EA	2 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0169	EA	3 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.98	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0170	EA	4 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0171	EA	5 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	145.59	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0172	EA	6 Lamp, 28 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	150.72	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	
26 01 50 52-0173		**32 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0174	EA	1 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0175	EA	2 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0176	EA	3 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.98	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0177	EA	4 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0178	EA	5 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	145.59	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0179	EA	6 Lamp, 32 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	150.72	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	
26 01 50 52-0180		**40 Watt, Step Dimming, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0151)*		
26 01 50 52-0181	EA	1 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	66.71	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0182	EA	2 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	71.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0183	EA	3 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	79.98	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0184	EA	4 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	99.73	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0185	EA	5 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	145.59	41.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0186	EA	6 Lamp, 40 Watt, Instant Start, Step Dimming, T8 Fluorescent Electronic Ballast	150.72	46.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.85*	
26 01 50 52-0187		**Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0114)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0188		**17 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0189	EA	1 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	172.39	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0190	EA	2 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.50	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0191	EA	3 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	212.03	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0192	EA	4 Lamp, 17 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	217.16	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0193		**25 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts** *(26 01 50 52-0187)*		
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	172.39	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.50	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	212.03	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	217.16	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0198		28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*		
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	172.39	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.50	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	212.03	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	217.16	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0203		32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts *(26 01 50 52-0187)*		
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	172.39	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	177.50	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	212.03	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast	217.16	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0208		T10 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0209		T10 Fluorescent Electronic Ballasts *(26 01 50 52-0208)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0210		40 Watt, T10 Fluorescent Electronic Ballasts *(26 01 50 52-0209)*		
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	81.92	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	87.03	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast	106.94	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0214		T12 Fluorescent Ballasts *(26 01 50 52-0002)*		
26 01 50 52-0215		T12 Fluorescent Electronic Ballasts *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0216		25 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	55.83	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.92	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	60.94	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.03	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	74.42	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast	84.97	35.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0223		30 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.92	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.03	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	106.94	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0227		34 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.92	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.03	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	106.94	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0231		40 Watt, T12 Fluorescent Electronic Ballasts *(26 01 50 52-0215)*		
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	81.92	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0233	EA	2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	87.03	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0234	EA	3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	106.94	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0235		**96 Watt, T12 Fluorescent Electronic Ballasts** *(26 01 50 52-0215)*		
26 01 50 52-0236	EA	1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	104.49	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0237	EA	2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast	118.21	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0238		**High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0214)*		
		Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0239		**48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0240	EA	1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	139.09	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0241	EA	2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.20	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0242		**60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0243	EA	1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	139.09	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0244	EA	2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.20	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0245		**72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0246	EA	1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	139.09	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0247	EA	2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.20	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0248		**96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts** *(26 01 50 52-0238)*		
26 01 50 52-0249	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	139.09	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0250	EA	2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast	144.20	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0251		**Emergency Fluorescent Ballasts** *(26 01 50 52-0002)*		
		Note: 120/277 Volt.		
26 01 50 52-0252	EA	350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)	214.55	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0253	EA	600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)	363.48	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0254	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)	456.09	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0255	EA	600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)	332.52	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0256	EA	2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)	1,626.55	30.76
		For Factory Installation In New Fixtures, Deduct	*-45.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.54*	
26 01 50 52-0257	EA	225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)	463.78	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0258	EA	325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)	788.28	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0259	EA	300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)	425.59	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0260	EA	200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)	587.90	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0261	EA	300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)	451.95	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0262	EA	450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)	511.87	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	555.43	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	464.57	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	472.81	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	409.82	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	425.59	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	416.61	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	775.61	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	974.32	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,838.68	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,271.82	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	638.04	25.63
		For Factory Installation In New Fixtures, Deduct	*-43.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.92*	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	833.26	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,739.80	25.63
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	

26 01 50 52-0276 LED Emergency Ballasts *(26 01 50 52-0001)*

26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	165.53	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	257.89	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	313.28	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	352.82	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	362.82	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	478.58	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	571.46	20.52
		For Factory Installation In New Fixtures, Deduct	*-41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.31*	

26 01 50 52-0284 Compact Fluorescent Ballasts *(26 01 50 52-0001)*

26 01 50 52-0285 Compact Fluorescent Electronic Ballasts *(26 01 50 52-0284)*

Note: Includes 120/277 Volt and normal ballast factor.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0286		**18 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	128.37	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0288	EA	2 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	133.48	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0289		**26 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0290	EA	1 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	128.37	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0291	EA	2 Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	133.48	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0292		**32 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0293	EA	1 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	161.02	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0294	EA	2 Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.13	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0295		**40 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0296	EA	1 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	124.47	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0297	EA	1 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	161.02	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0298	EA	2 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	239.26	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0299	EA	2 Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.13	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0300	EA	3 Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast	282.60	30.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.23*	
26 01 50 52-0301		**42 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0302	EA	1 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	161.02	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0303	EA	2 Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.13	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0304		**55 Watt, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0285)*		
26 01 50 52-0305	EA	1 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	161.02	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0306	EA	2 Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	166.13	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0307		**Dimming, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0284)*		
26 01 50 52-0308		**Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0307)* Note: Includes 120/277 Volt and normal ballast factor.		
26 01 50 52-0309		**18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0310	EA	1 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	244.50	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0311	EA	2 Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	249.61	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0312		**26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0313	EA	1 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	244.50	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0314	EA	2 Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	249.61	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0315		**32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0316	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	244.50	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0317	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	267.64	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0318		**40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts** *(26 01 50 52-0308)*		
26 01 50 52-0319	EA	2 Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	267.64	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0320		42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0321	EA	1 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	244.50	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0322	EA	2 Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	267.64	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0323		55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts *(26 01 50 52-0308)*		
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	395.56	20.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast	443.06	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0326		High Intensity Discharge (HID) Ballasts *(26 01 50 52-0001)*		
26 01 50 52-0327		Magnetic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*		
26 01 50 52-0328		Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0329		Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	171.05	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	175.42	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	175.42	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	162.98	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	162.98	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	246.37	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	246.37	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	319.82	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	357.29	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0339		High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	153.78	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	163.55	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	159.33	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	188.71	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	184.51	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	211.77	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	211.77	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.10	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	257.10	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast	416.18	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast	416.18	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0351		Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts *(26 01 50 52-0328)*		
26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type	16.50	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type	27.93	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 01 50 52-0354		F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*		
26 01 50 52-0355		Metal Halide, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*		
26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	219.19	25.63
		For Pulse Start Ballast, Add	*18.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	231.31	25.63
		For Pulse Start Ballast, Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	210.01	25.63
		For Pulse Start Ballast, Add	*17.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	245.02	25.63
		For Pulse Start Ballast, Add	*20.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	343.13	25.63
		For Pulse Start Ballast, Add	*30.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0361 High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts *(26 01 50 52-0354)*

26 01 50 52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	265.14	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast	284.03	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0364 Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0365 Metal Halide, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*

26 01 50 52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast	446.32	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0367 High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts *(26 01 50 52-0364)*

26 01 50 52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	691.68	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.73*	
26 01 50 52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	772.25	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.73*	
26 01 50 52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast	744.37	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.73*	

26 01 50 52-0371 Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0372 Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*

26 01 50 52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	551.26	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	626.71	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	830.17	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	825.79	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,159.59	27.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,159.59	27.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	795.85	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	937.65	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0381 High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts *(26 01 50 52-0371)*

26 01 50 52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,035.16	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	985.18	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,268.52	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast	1,268.52	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0386 Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0327)*

26 01 50 52-0387 Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*

26 01 50 52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	620.40	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	670.75	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	665.79	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	699.53	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,115.60	27.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,373.20	27.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	
26 01 50 52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,041.01	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	947.09	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0396 High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts *(26 01 50 52-0386)*

26 01 50 52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	803.11	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0398	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	866.62	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0399	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,297.83	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0400	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast	1,115.64	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0401 Electronic High Intensity Discharge (HID) Ballasts *(26 01 50 52-0326)*

26 01 50 52-0402 Electronic Low Frequency High Intensity Discharge (HID) Ballasts *(26 01 50 52-0401)*

26 01 50 52-0403	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	243.34	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0404	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	243.34	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0405	EA	1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	275.17	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0406	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	721.24	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0407	EA	1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	721.24	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0408	EA	1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	721.24	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0409	EA	1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	721.24	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0410	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast	721.24	25.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	

26 01 50 52-0411 Owner Supplied Ballasts *(26 01 50 52-0001)*

26 01 50 52-0412	EA	Install Owner Supplied, 1 Lamp Fluorescent Ballast	20.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.16*	
26 01 50 52-0413	EA	Install Owner Supplied, 2 Lamp Fluorescent Ballast	25.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 01 50 52-0414	EA	Install Owner Supplied, 3 Lamp Fluorescent Ballast	29.75	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.93*	
26 01 50 52-0415	EA	Install Owner Supplied, 4 Lamp Fluorescent Ballast	31.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.54*	
26 01 50 52-0416	EA	Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast	35.89	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.77*	
26 01 50 52-0417	EA	Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast	37.95	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.39*	

26 01 50 53 Lens and Accessory Replacement *(26 01 50)*

26 01 50 53-0001 Lens and Accessory Replacement *(26 01 50 53)*

26 01 50 53-0002	EA	Removal And Replacement Of Parabolic Aluminum Louver	81.07	
26 01 50 53-0003	EA	Removal And Replacement Of Visor For Fixtures	170.22	
26 01 50 53-0004	EA	Removal And Replacement Of Globe On Pole	199.79	
26 01 50 53-0005	EA	Removal And Replacement Of Lenses For Flat Top Pole Fixtures	80.53	
26 01 50 53-0006	EA	Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	27.10	
26 01 50 53-0007	EA	Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	28.17	
26 01 50 53-0008	EA	Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser	32.81	
26 01 50 53-0009	EA	Removal And Replacement Of Slide-On Lampholder	11.91	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 01 50 53-0010	EA	Removal And Replacement Of Screw Mount Lampholder	12.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 01 50 53-0011	EA	Removal And Replacement Of Medium Bi-Pin Lampholder	13.49	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 01 50 53-0012	EA	Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type	15.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 53-0013	EA	Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type	17.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 01 50 53-0014	EA	Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in	13.27	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 01 50 53-0015	EA	Removal And Replacement Of Exterior Light Globes	56.51	

26 01 50 81 Luminaire Replacement *(26 01 50)*

26 01 50 81-0001 Retrofit Lighting Fixtures *(26 01 50 81)*

26 01 50 81-0002 LED Lighting Retrofits For Existing Fixtures *(26 01 50 81-0001)*

26 01 50 81-0003 LED Lighting Retrofits For Existing Downlight Fixtures (GreenCreative) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0004	EA	7" Round Downlight, 15 Watt, 2700K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/927)	98.58
26 01 50 81-0005	EA	7" Round Downlight, 15 Watt, 3000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/930)	98.58
26 01 50 81-0006	EA	7" Round Downlight, 15 Watt, 4000K CCT, LED Retrofit (GreenCreative 15SMPR7DIM/940)	98.58
26 01 50 81-0007	EA	4" Diameter, 8.5 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/827)	80.07
26 01 50 81-0008	EA	4" Diameter, 8.5 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/830)	80.07
26 01 50 81-0009	EA	4" Diameter, 8.5 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 8.5DLNC4DIM/840)	80.07
26 01 50 81-0010	EA	6" Diameter, 11.6 Watt, 2700K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/827)	87.86
26 01 50 81-0011	EA	6" Diameter, 11.6 Watt, 3000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/830)	87.86
26 01 50 81-0012	EA	6" Diameter, 11.6 Watt, 4000K CCT, THINFIT LED Downlight, (GreenCreative 11.6DLNC6DIM/840)	87.86

26 01 50 81-0013 LED Lighting Retrofits For Existing Site Fixtures (Daylight Technology) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0014	EA	2,300 Lumens, 23 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-20w)	295.05
26 01 50 81-0015	EA	3,300 Lumens, 33 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-30w)	306.74
26 01 50 81-0016	EA	4,400 Lumens, 44 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-40w)	318.43
26 01 50 81-0017	EA	5,400 Lumens, 54 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-50w)	332.17
26 01 50 81-0018	EA	6,500 Lumens, 65 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-60w)	366.27
26 01 50 81-0019	EA	7,600 Lumens, 75 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-70w)	380.01
26 01 50 81-0020	EA	8,600 Lumens, 86 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-80w)	412.17
26 01 50 81-0021	EA	9,600 Lumens, 96 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-90w)	423.86
26 01 50 81-0022	EA	10,700 Lumens, 107 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-100w)	437.60
26 01 50 81-0023	EA	11,700 Lumens, 117 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-110w)	459.04
26 01 50 81-0024	EA	12,800 Lumens, 128 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-120w)	481.54
26 01 50 81-0025	EA	13,800 Lumens, 138 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-130w)	503.95
26 01 50 81-0026	EA	14,900 Lumens, 149 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-140w)	515.65
26 01 50 81-0027	EA	16,100 Lumens, 161 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-150w)	535.13
26 01 50 81-0028	EA	17,200 Lumens, 172 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-160w)	557.69
26 01 50 81-0029	EA	18,200 Lumens, 182 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-170w)	582.05
26 01 50 81-0030	EA	19,300 Lumens, 193 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-180w)	619.08
26 01 50 81-0031	EA	20,300 Lumens, 203 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-190w)	635.64
26 01 50 81-0032	EA	21,400 Lumens, 214 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-200w)	663.99
26 01 50 81-0033	EA	22,400 Lumens, 224 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-210w)	701.99
26 01 50 81-0034	EA	23,500 Lumens, 235 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-220w)	721.48
26 01 50 81-0035	EA	24,500 Lumens, 245 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-230w)	767.42
26 01 50 81-0036	EA	25,600 Lumens, 256 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-240w)	810.29
26 01 50 81-0037	EA	26,600 Lumens, 266 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-250w)	839.62
26 01 50 81-0038	EA	27,700 Lumens, 277 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-260w)	881.52
26 01 50 81-0039	EA	28,700 Lumens, 287 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-270w)	962.50
26 01 50 81-0040	EA	29,800 Lumens, 298 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-280w)	972.24
26 01 50 81-0041	EA	31,900 Lumens, 319 Watt, LED Site Retrofit Plate (Daylight Technology DL-S-300w)	996.75

26 01 50 81-0042 LED Lighting Retrofits For Existing Fixtures (Optilumen) *(26 01 50 81-0002)*

Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0043	EA	20 Watt, 1 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT1418M-35) Note: Fits 1' x 4' Troffer/Strip	123.23
26 01 50 81-0044	EA	20 Watt, 1 x 42", 4000L CCT, LED Retrofit Kit (Optilumen RKT1418M-40) Note: Fits 1' x 4' Troffer/Strip	123.23
26 01 50 81-0045	EA	20 Watt, 1 x 42", 5000L CCT, LED Retrofit Kit (Optilumen RKT1418M-50) Note: Fits 1' x 4' Troffer/Strip	123.23
26 01 50 81-0046	EA	30 Watt, 2 x 42", 3500L CCT, LED Retrofit Kit (Optilumen RKT2415M-35) Note: Fits 2' x 4' Troffer/Strip	128.10
26 01 50 81-0047	EA	2 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2415M-40) Note: Fits 2' x 4' Troffer/Strip	128.10
26 01 50 81-0048	EA	2 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2415M-50) Note: Fits 2' x 4' Troffer/Strip	128.10
26 01 50 81-0049	EA	2 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2418M-35) Note: Fits 2' x 4' Troffer/Strip	137.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0050	EA	2 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2418M-40) Note: Fits 2' x 4' Troffer/Strip	137.84	
26 01 50 81-0051	EA	2 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2418M-50) Note: Fits 2' x 4' Troffer/Strip	137.84	
26 01 50 81-0052	EA	3 x 42", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3415M-35) Note: Fits 2' x 4' Troffer/Strip	128.10	
26 01 50 81-0053	EA	3 x 42", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3415M-40) Note: Fits 2' x 4' Troffer/Strip	128.10	
26 01 50 81-0054	EA	3 x 42", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3415M-50) Note: Fits 2' x 4' Troffer/Strip	128.10	
26 01 50 81-0055	EA	3 x 42", 40 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3418M-35) Note: Fits 2' x 4' Troffer/Strip	137.84	
26 01 50 81-0056	EA	3 x 42", 40 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3418M-40) Note: Fits 2' x 4' Troffer/Strip	137.84	
26 01 50 81-0057	EA	3 x 42", 40 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3418M-50) Note: Fits 2' x 4' Troffer/Strip	137.84	
26 01 50 81-0058	EA	3 x 42", 60 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3424M-35) Note: Fits 2' x 4' Troffer/Strip	157.33	
26 01 50 81-0059	EA	3 x 42", 60 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3424M-40) Note: Fits 2' x 4' Troffer/Strip	157.33	
26 01 50 81-0060	EA	3 x 42", 60 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3424M-50) Note: Fits 2' x 4' Troffer/Strip	157.33	
26 01 50 81-0061	EA	1 x 21", 10 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT1209M-35) Note: Fits 1' x 2' Troffer/Strip	123.23	
26 01 50 81-0062	EA	1 x 21", 10 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT1209M-40) Note: Fits 1' x 2' Troffer/Strip	123.23	
26 01 50 81-0063	EA	1 x 21", 10 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT1209M-50) Note: Fits 1' x 2' Troffer/Strip	123.23	
26 01 50 81-0064	EA	2 x 21", 22 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT2209M-35) Note: Fits 2' x 2' Troffer/Strip	123.23	
26 01 50 81-0065	EA	2 x 21", 22 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT2209M-40) Note: Fits 2' x 2' Troffer/Strip	123.23	
26 01 50 81-0066	EA	2 x 21", 22 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT2209M-50) Note: Fits 2' x 2' Troffer/Strip	123.23	
26 01 50 81-0067	EA	3 x 21", 20 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3209M-35) Note: Fits 2' x 2' Troffer/Strip	128.10	
26 01 50 81-0068	EA	3 x 21", 20 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3209M-40) Note: Fits 2' x 2' Troffer/Strip	128.10	
26 01 50 81-0069	EA	3 x 21", 20 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3209M-50) Note: Fits 2' x 2' Troffer/Strip	128.10	
26 01 50 81-0070	EA	3 x 21", 30 Watt, 3500K CCT, LED Retrofit Kit (Optilumen RKT3210M-35) Note: Fits 2' x 2' Troffer/Strip	133.94	
26 01 50 81-0071	EA	3 x 21", 30 Watt, 4000K CCT, LED Retrofit Kit (Optilumen RKT3210M-40) Note: Fits 2' x 2' Troffer/Strip	133.94	
26 01 50 81-0072	EA	3 x 21", 30 Watt, 5000K CCT, LED Retrofit Kit (Optilumen RKT3210M-50) Note: Fits 2' x 2' Troffer/Strip	133.94	
26 01 50 81-0073		LED Lighting Retrofits For Existing Lay-In/Troffer Fixtures (LG) *(26 01 50 81-0002)* Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 01 50 81-0074	EA	34 Watt, 3500K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-35-4400-R(W)-SN)	285.33	
26 01 50 81-0075	EA	34 Watt, 4000K CCT, 2' x 4', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X4RT-34-40-4500-R(W)-SN)	285.33	
26 01 50 81-0076	EA	26 Watt, 3500K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-35-3400-R(W)-SN)	257.07	
26 01 50 81-0077	EA	26 Watt, 4000K CCT, 2' x 2', Retrofit Troffer LED Fixture With Sensor (LG LGE-2X2RT-26-40-3400-R(W)-SN)	257.07	
26 01 50 81-0078	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-35-3200-RV) Note: No sensor, ZigBee ready driver	125.91	
26 01 50 81-0079	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer (LG LGE-2X2SI-25-40-3200-RV) Note: No sensor, ZigBee ready driver	125.91	
26 01 50 81-0080	EA	31 Watt, 4,050 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-35-3200-RV) Note: No sensor, ZigBee ready driver	144.42	
26 01 50 81-0081	EA	31 Watt, 4,050 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer (LG LGE-2X2SI-31-40-3200-RV) Note: No sensor, ZigBee ready driver	144.42	
26 01 50 81-0082	EA	25 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	158.07	
26 01 50 81-0083	EA	25 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 2' Troffer With Sensor Connect (LG LGE-2X2SC-25-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	158.07	
26 01 50 81-0084	EA	31 Watt, 3,250 Lumens, 3500K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-35-3200-RV) Note: Factory installed sensor and ZigBee dongle	162.94	
26 01 50 81-0085	EA	31 Watt, 3,250 Lumens, 4000K CCT, Lay-In Retrofit 2' x 4' Troffer With Sensor Connect (LG LGE-2X2SC-31-40-3200-RV) Note: Factory installed sensor and ZigBee dongle	162.94	
26 01 50 81-0086	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-2BDK-25-35-3120) Note: No sensor, ZigBee ready driver	97.65	
26 01 50 81-0087	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-2BDK-25-40-3120) Note: No sensor, ZigBee ready driver	97.65	
26 01 50 81-0088	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, Retrofit Board Kits (LG LGE-4BDK-31-35-3880) Note: No sensor, ZigBee ready driver	109.35	
26 01 50 81-0089	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, Retrofit Board Kits (LG LGE-4BDK-31-40-3880) Note: No sensor, ZigBee ready driver	109.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0090	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-35-3120-L) Note: No sensor, ZigBee ready driver	100.58	
26 01 50 81-0091	EA	2' x 2' 2-Board, 25 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-2BDK-25-40-3120-L) Note: No sensor, ZigBee ready driver	100.58	
26 01 50 81-0092	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 3500K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-35-3880-L) Note: No sensor, ZigBee ready driver	112.27	
26 01 50 81-0093	EA	2' x 4' 4-Board, 31 Watt, 3,120 Lumens, 4000K CCT, With Lens Retrofit Board Kits (LG LGE-4BDK-31-40-3880-L) Note: No sensor, ZigBee ready driver	112.27	
26 01 50 81-0094	EA	6" Diameter, 16 Watt, 1,450 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-35-1450) Note: No sensor, ZigBee ready driver	99.60	
26 01 50 81-0095	EA	6" Diameter, 16 Watt, 1,450 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-16-40-1450) Note: No sensor, ZigBee ready driver	99.60	
26 01 50 81-0096	EA	8" Diameter, 22 Watt, 2,000 Lumens, 3500K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-35-2000) Note: No sensor, ZigBee ready driver	108.37	
26 01 50 81-0097	EA	8" Diameter, 22 Watt, 2,000 Lumens, 4000K CCT, Comm Retrofit Downlight (LG LGE-CRDL-22-40-2000) Note: No sensor, ZigBee ready driver	108.37	

26 01 50 81-0098 LED Lighting Retrofit Accessories (LG) *(26 01 50 81-0002)*

See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0099	EA	Dongle (LG LGE-DONGLE)	24.75	
26 01 50 81-0100	EA	1-group On/Off/Dim, 2-Button, Wireless Switch (LG LGE-SWITCH-BAT-2B)	135.80	11.66
26 01 50 81-0101	EA	2-group On/Off/Dim, 4-Button, Wireless Switch (LG LGE-SWITCH-BAT-4B)	140.46	13.98
26 01 50 81-0102	EA	1-group On/Off/Dim, 2-Button, AC Powered Switch (LG LGE-SWITCH-AC-2B)	175.98	11.66
26 01 50 81-0103	EA	2-group On/Off/Dim, 4-Button, AC Powered Switch (LG LGE-SWITCH-AC-4B)	180.64	13.98
26 01 50 81-0104	EA	Photo, Motion Sensor With ZigBee Dongle plugin (LG LGE-MULTI-SENSOR)	88.96	9.32
26 01 50 81-0105	EA	Tube Clip For Multi Sensor (LG LGE-TUBE-CLIP)	26.93	9.32
26 01 50 81-0106	EA	Ceiling Plate For Multi Sensor (LG LGE-CEILING-PLATE)	29.28	9.32
26 01 50 81-0107	EA	Wireless Interface Module (LG PIHN-W005A) Note: includes dongle	81.20	13.98

26 01 50 81-0108 Retrofit Existing (T12) Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal.

26 01 50 81-0109 Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0110	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp	106.00
		For Specular Ballast Cover, Add	*14.04*
26 01 50 81-0111	EA	Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	113.28
		For Specular Ballast Cover, Add	*15.50*
26 01 50 81-0112	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps	155.97
		For Specular Ballast Cover, Add	*24.04*
26 01 50 81-0113	EA	Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps	181.79
		For Specular Ballast Cover, Add	*29.20*

26 01 50 81-0114 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0115	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp	112.27
		For Specular Reflector, Add	*17.05*
26 01 50 81-0116	EA	Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	120.31
		For Specular Reflector, Add	*17.05*
26 01 50 81-0117	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps	164.76
		For Specular Reflector, Add	*17.05*
26 01 50 81-0118	EA	Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps	215.52
		For Specular Reflector, Add	*17.05*

26 01 50 81-0119 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures *(26 01 50 81-0108)*

Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.

26 01 50 81-0120	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps	138.83
		For Specular Reflector, Add	*17.05*
26 01 50 81-0121	EA	Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	146.11
		For Specular Reflector, Add	*17.05*
26 01 50 81-0122	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps	148.36
		For Specular Reflector, Add	*17.05*
26 01 50 81-0123	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps	167.62
		For Specular Reflector, Add	*17.05*
26 01 50 81-0124	EA	Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps	207.64
		For Specular Reflector, Add	*17.05*
26 01 50 81-0125	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps	153.64
		For Specular Reflector, Add	*17.05*
26 01 50 81-0126	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps	170.53
		For Specular Reflector, Add	*17.05*
26 01 50 81-0127	EA	Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps	184.49
		For Specular Reflector, Add	*17.05*

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0128		Retrofit Existing Recessed Lay-In/Troffer Fixtures *(26 01 50 81-0001)*			
26 01 50 81-0129		Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia) *(26 01 50 81-0128)*			
		Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.			
26 01 50 81-0130	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		159.62	
26 01 50 81-0131	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		159.62	
26 01 50 81-0132	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		159.62	
26 01 50 81-0133	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		174.03	
26 01 50 81-0134	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		159.62	
26 01 50 81-0135	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		159.62	
26 01 50 81-0136	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		159.62	
26 01 50 81-0137	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		174.03	
26 01 50 81-0138	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		160.67	
26 01 50 81-0139	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		160.67	
26 01 50 81-0140	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		160.67	
26 01 50 81-0141	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)		175.07	
26 01 50 81-0142	EA	2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		160.67	
26 01 50 81-0143	EA	2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		160.67	
26 01 50 81-0144	EA	2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		160.67	
26 01 50 81-0145	EA	2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)		175.07	
26 01 50 81-0146		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED) *(26 01 50 81-0128)*			
		Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.			
26 01 50 81-0147	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)		222.36	
26 01 50 81-0148	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)		232.15	
26 01 50 81-0149		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™) *(26 01 50 81-0128)*			
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.			
26 01 50 81-0150	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)		352.18	
26 01 50 81-0151	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)		360.93	
26 01 50 81-0152	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)		352.18	
26 01 50 81-0153	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)		360.93	
26 01 50 81-0154	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)		404.67	
26 01 50 81-0155	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)		417.79	
26 01 50 81-0156	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)		448.41	
26 01 50 81-0157		LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion) *(26 01 50 81-0128)*			
		Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.			
26 01 50 81-0158	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)		325.41	
26 01 50 81-0159	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)		337.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0160	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)	341.27	
26 01 50 81-0161	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)	353.47	
26 01 50 81-0162	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDSX84022MST)	243.05	
26 01 50 81-0163	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDSX84022MST)	248.85	
26 01 50 81-0164	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDSX84024MST)	258.12	
26 01 50 81-0165	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDSX84024MST)	263.92	
26 01 50 81-0166	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDSX84024MST)	328.83	
26 01 50 81-0167	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDSX84024MST)	393.73	

26 01 50 81-0168 Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components) *(26 01 50 81-0128)*

Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0169	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	304.80	
26 01 50 81-0170	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	217.41	
26 01 50 81-0171	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	312.99	
26 01 50 81-0172	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	225.53	
26 01 50 81-0173	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	327.75	
26 01 50 81-0174	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	247.48	
26 01 50 81-0175	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	359.45	
26 01 50 81-0176	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	271.87	
26 01 50 81-0177	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	367.11	
26 01 50 81-0178	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	279.60	
26 01 50 81-0179	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	381.69	
26 01 50 81-0180	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)	301.44	

26 01 50 81-0181 LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT) *(26 01 50 81-0128)*

Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0182	EA	3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)	659.82	
26 01 50 81-0183	EA	4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT)	734.42	

26 01 50 81-0184 Retrofit Existing HID Fixtures *(26 01 50 81-0001)*

26 01 50 81-0185	EA	Tear Drop LED Retrofit Kit (Holophane LTDRL2 P35S 40K AS BK TDRD 3 P)	1,498.82	

26 01 50 81-0186 LED Lighting Retrofits For Existing Fluorescent Fixtures *(26 01 50 81-0001)*

Note: Excludes recycling or disposal of lamps and ballasts.

26 01 50 81-0187 LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0186)*

26 01 50 81-0188	EA	2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT)	106.73	
		For >25 To 50, Deduct	*-5.34*	
		For >50 To 100, Deduct	*-9.16*	
		For >100, Deduct	*-15.27*	
26 01 50 81-0189	EA	2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT)	158.78	
		For >25 To 50, Deduct	*-7.94*	
		For >50 To 100, Deduct	*-13.06*	
		For >100, Deduct	*-20.48*	
26 01 50 81-0190	EA	3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	116.35	
		For >25 To 50, Deduct	*-5.82*	
		For >50 To 100, Deduct	*-9.94*	
		For >100, Deduct	*-16.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0191	EA	3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT)	106.19	
		For >25 To 50, Deduct	*-5.31*	
		For >50 To 100, Deduct	*-9.18*	
		For >100, Deduct	*-15.48*	
26 01 50 81-0192	EA	4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	141.34	
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-11.88*	
		For >100, Deduct	*-19.25*	
26 01 50 81-0193	EA	4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT)	186.45	
		For >25 To 50, Deduct	*-9.32*	
		For >50 To 100, Deduct	*-15.26*	
		For >100, Deduct	*-23.76*	
26 01 50 81-0194	EA	4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	115.02	
		For >25 To 50, Deduct	*-5.75*	
		For >50 To 100, Deduct	*-9.90*	
		For >100, Deduct	*-16.61*	
26 01 50 81-0195	EA	4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	115.02	
		For >25 To 50, Deduct	*-5.75*	
		For >50 To 100, Deduct	*-9.90*	
		For >100, Deduct	*-16.61*	
26 01 50 81-0196	EA	4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT)	150.36	
		For >25 To 50, Deduct	*-7.52*	
		For >50 To 100, Deduct	*-12.56*	
		For >100, Deduct	*-20.15*	
26 01 50 81-0197	EA	4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT)	126.30	
		For >25 To 50, Deduct	*-6.32*	
		For >50 To 100, Deduct	*-10.75*	
		For >100, Deduct	*-17.74*	
26 01 50 81-0198	EA	4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT)	126.30	
		For >25 To 50, Deduct	*-6.32*	
		For >50 To 100, Deduct	*-10.75*	
		For >100, Deduct	*-17.74*	

26 01 50 81-0199 LED Retrofit For Existing Fluorescent Fixtures (Lithonia) *(26 01 50 81-0186)*

26 01 50 81-0200	EA	1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	264.30	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-13.22*	
		For >50 To 100, Deduct	*-21.10*	
		For >100, Deduct	*-31.54*	
26 01 50 81-0201	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2)	285.64	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-14.28*	
		For >50 To 100, Deduct	*-22.70*	
		For >100, Deduct	*-33.68*	
26 01 50 81-0202	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	301.59	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-15.08*	
		For >50 To 100, Deduct	*-23.90*	
		For >100, Deduct	*-35.27*	
26 01 50 81-0203	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2)	326.51	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-16.33*	
		For >50 To 100, Deduct	*-25.77*	
		For >100, Deduct	*-37.76*	
26 01 50 81-0204	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	349.01	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-17.45*	
		For >50 To 100, Deduct	*-27.71*	
		For >100, Deduct	*-41.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0205	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO)	377.95	
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	*179.91*	
		For nLight AIR radio module without sensor (nLight RIO), Add	*116.95*	
		For >25 To 50, Deduct	*-18.90*	
		For >50 To 100, Deduct	*-29.88*	
		For >100, Deduct	*-43.93*	

26 01 50 81-0206 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) *(26 01 50 81-0186)*

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling.

26 01 50 81-0207	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40)	98.96	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-4.95*	
		For >50 To 100, Deduct	*-8.57*	
		For >100, Deduct	*-14.50*	
26 01 50 81-0208	EA	2' Dimmable, 20 Watts, 2,900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50)	98.96	
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-4.95*	
		For >50 To 100, Deduct	*-8.57*	
		For >100, Deduct	*-14.50*	
26 01 50 81-0209	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40)	132.43	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.62*	
		For >50 To 100, Deduct	*-11.21*	
		For >100, Deduct	*-18.36*	
26 01 50 81-0210	EA	4' Dimmable, 32 Watts, 5,000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50)	132.43	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.62*	
		For >50 To 100, Deduct	*-11.21*	
		For >100, Deduct	*-18.36*	
26 01 50 81-0211	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30)	132.55	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.63*	
		For >50 To 100, Deduct	*-11.22*	
		For >100, Deduct	*-18.37*	
26 01 50 81-0212	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F)	145.59	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.28*	
		For >50 To 100, Deduct	*-12.20*	
		For >100, Deduct	*-19.67*	
26 01 50 81-0213	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35)	132.55	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.63*	
		For >50 To 100, Deduct	*-11.22*	
		For >100, Deduct	*-18.37*	
26 01 50 81-0214	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F)	145.59	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.28*	
		For >50 To 100, Deduct	*-12.20*	
		For >100, Deduct	*-19.67*	
26 01 50 81-0215	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40)	132.55	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.63*	
		For >50 To 100, Deduct	*-11.22*	
		For >100, Deduct	*-18.37*	
26 01 50 81-0216	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F)	145.59	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.28*	
		For >50 To 100, Deduct	*-12.20*	
		For >100, Deduct	*-19.67*	
26 01 50 81-0217	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50)	132.55	
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-6.63*	
		For >50 To 100, Deduct	*-11.22*	
		For >100, Deduct	*-18.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0218	EA	4' Dimmable, 35 Watts, 5,500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F)	145.59	
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.28*	
		For >50 To 100, Deduct	*-12.20*	
		For >100, Deduct	*-19.67*	
26 01 50 81-0219	EA	4' Dimmable, 46 Watts, 6,800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50)	145.48	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-7.27*	
		For >50 To 100, Deduct	*-12.19*	
		For >100, Deduct	*-19.66*	
26 01 50 81-0220	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	173.38	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.67*	
		For >50 To 100, Deduct	*-14.28*	
		For >100, Deduct	*-22.45*	
26 01 50 81-0221	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	189.69	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.48*	
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-24.08*	
26 01 50 81-0222	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	173.38	
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.67*	
		For >50 To 100, Deduct	*-14.28*	
		For >100, Deduct	*-22.45*	
26 01 50 81-0223	EA	4' Dimmable, 31 Watts, 5,730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	189.69	
		Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.48*	
		For >50 To 100, Deduct	*-15.50*	
		For >100, Deduct	*-24.08*	
26 01 50 81-0224	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800)	197.70	
		Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
		For >25 To 50, Deduct	*-9.89*	
		For >50 To 100, Deduct	*-15.08*	
		For >100, Deduct	*-20.79*	
26 01 50 81-0225	EA	20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W)	181.21	
		Note: 90-minute emergency battery with power output of 20 Watts		
		For >25 To 50, Deduct	*-9.06*	
		For >50 To 100, Deduct	*-13.85*	
		For >100, Deduct	*-19.14*	
26 01 50 81-0226	EA	8' Dimmable, 46 Watts, 7,400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50)	172.23	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-8.61*	
		For >50 To 100, Deduct	*-14.58*	
		For >100, Deduct	*-23.87*	
26 01 50 81-0227	EA	8' Dimmable, 49 Watts, 6,680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F)	180.38	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-9.02*	
		For >50 To 100, Deduct	*-15.19*	
		For >100, Deduct	*-24.68*	
26 01 50 81-0228	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40)	260.45	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.02*	
		For >50 To 100, Deduct	*-21.20*	
		For >100, Deduct	*-32.69*	
26 01 50 81-0229	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F)	293.06	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-14.65*	
		For >50 To 100, Deduct	*-23.64*	
		For >100, Deduct	*-35.95*	
26 01 50 81-0230	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50)	260.45	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-13.02*	
		For >50 To 100, Deduct	*-21.20*	
		For >100, Deduct	*-32.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0231	EA	8' Dimmable, 64 Watts, 11,850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F)	293.06	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	*-14.65*	
		For >50 To 100, Deduct	*-23.64*	
		For >100, Deduct	*-35.95*	

26 05 Common Work Results for Electrical *(26)*

26 05 13 Medium-Voltage Cables *(26 05)*

26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables *(26 05 13)*

26 05 13 16-0001 Wire And Cable *(26 05 13 16)*

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

26 05 13 16-0002 5 KV Cable *(26 05 13 16-0001)*

26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,309.11	824.86
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,937.51	900.67
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,714.91	1,017.62
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,136.53	1,253.75
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,993.73	1,411.84
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	8,629.08	1,567.10
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,713.76	1,760.80
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	11,566.94	1,958.96
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	13,468.64	2,338.96
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	17,034.89	2,749.39
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	25,615.45	3,240.45
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	34,201.18	3,731.29

26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,206.01	
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,644.80	
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,129.79	
26 05 13 16-0020	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,154.91	
26 05 13 16-0021	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,616.80	
26 05 13 16-0022	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,057.24	
26 05 13 16-0023	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,657.69	
26 05 13 16-0024	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,213.68	
26 05 13 16-0025	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,268.29	
26 05 13 16-0026	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	12,901.21	

26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*

26 05 13 16-0028	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,608.11	513.73
26 05 13 16-0029	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,145.41	550.82
26 05 13 16-0030	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,016.31	696.56
26 05 13 16-0031	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,242.61	845.61
26 05 13 16-0032	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,094.13	992.66
26 05 13 16-0033	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,719.00	1,135.21
26 05 13 16-0034	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,801.46	1,317.17
26 05 13 16-0035	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,060.00	1,657.09
26 05 13 16-0036	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	13,176.27	2,096.73
26 05 13 16-0037	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,141.04	2,634.34

26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0002)*

26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	7,226.54	1,643.86
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	8,376.59	1,667.47
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,526.65	1,691.10
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,931.60	1,728.47
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	11,944.76	1,794.41
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	17,169.07	1,880.57
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	26,656.19	2,350.71
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	30,693.06	3,134.32

26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct *(26 05 13 16-0002)*

26 05 13 16-0048	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	3,533.59	824.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0049	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	4,240.97	900.67
26 05 13 16-0050	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,105.66	1,017.62
26 05 13 16-0051	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	5,891.15	1,135.63
26 05 13 16-0052	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	6,676.94	1,253.75
26 05 13 16-0053	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	7,617.27	1,411.84
26 05 13 16-0054	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	9,477.10	1,567.10
26 05 13 16-0055	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	10,669.86	1,760.80
26 05 13 16-0056	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	12,767.47	1,958.96
26 05 13 16-0057	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	14,840.44	2,338.96
26 05 13 16-0058	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	18,863.95	2,749.39
26 05 13 16-0059	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	28,768.56	3,240.45
26 05 13 16-0060	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct	38,678.31	3,731.29
26 05 13 16-0061		Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial *(26 05 13 16-0002)*		
		Note: Excludes excavation.		
26 05 13 16-0062	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,430.48	
26 05 13 16-0063	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	3,948.26	
26 05 13 16-0064	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	4,520.54	
26 05 13 16-0065	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,108.38	
26 05 13 16-0066	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	5,695.32	
26 05 13 16-0067	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,240.35	
26 05 13 16-0068	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,905.26	
26 05 13 16-0069	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,613.79	
26 05 13 16-0070	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,414.21	
26 05 13 16-0071	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,640.09	
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	14,730.28	
26 05 13 16-0073		Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial) *(26 05 13 16-0002)*		
26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	2,832.59	513.73
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	3,448.87	550.82
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	4,407.06	696.56
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,093.66	770.53
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,783.02	845.61
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,717.67	992.66
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,567.02	1,135.21
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,757.56	1,317.17
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,260.53	1,657.09
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,548.07	2,096.73
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	18,970.10	2,634.34
26 05 13 16-0085		15 KV Cable *(26 05 13 16-0001)*		
26 05 13 16-0086		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0087		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0086)*		
26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	7,272.77	1,643.86
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	7,916.25	1,643.86
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,161.69	1,643.86
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	8,961.27	1,643.86
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	9,720.18	1,643.86
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,174.06	1,715.90
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	11,472.21	1,715.90
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	13,294.93	1,794.41
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	15,148.28	1,836.49
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installled In Duct	18,750.72	2,068.62
26 05 13 16-0098		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0086)*		
		Note: Excludes excavation.		
26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	6,393.41	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,192.97	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,951.89	
26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,428.49	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	9,726.63	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,646.43	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,502.79	
26 05 13 16-0106	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	16,870.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0107		Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0086)*		
26 05 13 16-0108	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	5,996.38	733.88
26 05 13 16-0109	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,091.99	845.61
26 05 13 16-0110	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	8,240.54	992.66
26 05 13 16-0111	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable	9,892.21	1,135.21
26 05 13 16-0112	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	10,672.36	1,317.17
26 05 13 16-0113	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	12,871.58	1,533.36
26 05 13 16-0114	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	15,291.01	1,786.75
26 05 13 16-0115	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	19,078.23	2,075.48
26 05 13 16-0116		Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable *(26 05 13 16-0085)*		
26 05 13 16-0117		Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct *(26 05 13 16-0116)*		
26 05 13 16-0118	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	7,842.14	1,643.86
26 05 13 16-0119	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,601.44	1,643.86
26 05 13 16-0120	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	8,891.06	1,643.86
26 05 13 16-0121	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	9,834.56	1,643.86
26 05 13 16-0122	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	10,730.08	1,643.86
26 05 13 16-0123	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,413.26	1,715.90
26 05 13 16-0124	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	12,765.07	1,715.90
26 05 13 16-0125	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	14,880.52	1,794.41
26 05 13 16-0126	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	17,048.55	1,836.49
26 05 13 16-0127	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct	21,194.97	2,068.62
26 05 13 16-0128		Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial *(26 05 13 16-0116)* Note: Excludes excavation.		
26 05 13 16-0129	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	7,122.78	
26 05 13 16-0130	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,066.27	
26 05 13 16-0131	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	8,961.79	
26 05 13 16-0132	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	10,667.69	
26 05 13 16-0133	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	11,019.49	
26 05 13 16-0134	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	13,227.41	
26 05 13 16-0135	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	15,395.70	
26 05 13 16-0136	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial	19,314.41	
26 05 13 16-0137		Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial) *(26 05 13 16-0116)*		
26 05 13 16-0138	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	6,725.75	733.88
26 05 13 16-0139	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	7,965.29	845.61
26 05 13 16-0140	MLF	2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	9,250.44	992.66
26 05 13 16-0141	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,131.41	1,135.21
26 05 13 16-0142	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	11,965.22	1,317.17
26 05 13 16-0143	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	14,457.17	1,533.36
26 05 13 16-0144	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	17,191.28	1,786.75
26 05 13 16-0145	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)	21,522.48	2,075.48
26 05 13 16-0146		15 KV Non-Shielded Single Copper Conductor *(26 05 13 16-0085)*		
26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	10,708.64	1,649.61
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	9,161.04	1,689.04
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	14,076.10	1,728.47
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct	19,551.37	1,843.67
26 05 13 16-0151		Shielded, Armored Copper, 15 KV, 3 Conductor Cable *(26 05 13 16-0085)* Note: Laid in cable tray or hung in vertical cable shaft.		
26 05 13 16-0152		Galvanized Steel Interlocked Armor Cable *(26 05 13 16-0151)*		
26 05 13 16-0153	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	49.06	12.57
26 05 13 16-0154	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	59.24	13.40
26 05 13 16-0155		Aluminum Interlocked Armor Cable *(26 05 13 16-0151)*		
26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	49.06	12.57
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically	59.24	13.40
26 05 13 16-0158		Type URD, 15 KV Primary Concentric UD Cable *(26 05 13 16-0085)* Note: 0.175" XLPE insulation, copper conductor.		
26 05 13 16-0159	MLF	#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	3,596.22	824.86
26 05 13 16-0160	MLF	#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	4,325.63	900.67

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 05 13 16-0161	MLF	#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	5,214.69	1,017.62
	26 05 13 16-0162	MLF	1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	6,819.38	1,250.35
	26 05 13 16-0163	MLF	2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	7,780.68	1,407.61
	26 05 13 16-0164	MLF	3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	9,713.69	1,567.10
	26 05 13 16-0165	MLF	4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit	10,920.18	1,754.22
	26 05 13 16-0166		15 KV, URD Copper Cable, Direct Burial *(26 05 13 16-0085)*		
	26 05 13 16-0167	MLF	3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial	18,633.13	
	26 05 13 16-0168		Wire Connections *(26 05 13 16-0001)*		
	26 05 13 16-0169		Medium Voltage Up To 5 KV *(26 05 13 16-0168)*		
	26 05 13 16-0170		Shielded One Conductor Cable Splice *(26 05 13 16-0169)*		
	26 05 13 16-0171	EA	#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	437.88	102.05
	26 05 13 16-0172	EA	#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	675.16	102.05
	26 05 13 16-0173	EA	1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	675.16	102.05
	26 05 13 16-0174	EA	2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	705.53	122.45
	26 05 13 16-0175	EA	3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	705.53	122.45
	26 05 13 16-0176	EA	4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	705.53	122.45
	26 05 13 16-0177	EA	250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	746.02	142.87
	26 05 13 16-0178	EA	350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	746.02	142.87
	26 05 13 16-0179	EA	500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV	746.02	142.87
	26 05 13 16-0180		Cable Termination Without Stress Cone *(26 05 13 16-0169)*		
	26 05 13 16-0181	EA	#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV	746.61	122.45
	26 05 13 16-0182	EA	250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV	857.84	142.87
	26 05 13 16-0183		Cable Termination With Stress Cone *(26 05 13 16-0169)*		
	26 05 13 16-0184	EA	#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV	2,525.10	244.91
	26 05 13 16-0185	EA	250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV	3,455.65	336.75
	26 05 13 16-0186		Connect To Pothead, Pothead Included *(26 05 13 16-0169)*		
	26 05 13 16-0187	EA	#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV	2,668.42	244.91
	26 05 13 16-0188	EA	250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV	3,485.63	280.63
	26 05 13 16-0189		Two Conductor Pothead *(26 05 13 16-0169)*		
			Note: Includes 5 KV pothead.		
	26 05 13 16-0190	EA	#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	1,543.64	336.75
	26 05 13 16-0191	EA	250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	2,145.38	428.60
	26 05 13 16-0192	EA	400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	3,687.73	485.95
	26 05 13 16-0193	EA	750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	6,565.57	566.97
	26 05 13 16-0194	EA	1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	12,564.22	850.35
	26 05 13 16-0195		Three Conductor Pothead *(26 05 13 16-0169)*		
			Note: Includes 5 KV pothead.		
	26 05 13 16-0196	EA	#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	8,535.70	489.83
	26 05 13 16-0197	EA	250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV	9,257.93	571.46
	26 05 13 16-0198		Copper Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
			Note: For bare wire.		
	26 05 13 16-0199	EA	#6 AWG Crimp Compression Connection For Bare Copper Wire	74.40	
	26 05 13 16-0200	EA	#4 AWG Crimp Compression Connection For Bare Copper Wire	83.39	
	26 05 13 16-0201	EA	#3 AWG Crimp Compression Connection For Bare Copper Wire	97.14	
	26 05 13 16-0202	EA	#2 AWG Crimp Compression Connection For Bare Copper Wire	108.90	
	26 05 13 16-0203	EA	#1 AWG Crimp Compression Connection For Bare Copper Wire	123.47	
	26 05 13 16-0204	EA	1/0 AWG Crimp Compression Connection For Bare Copper Wire	136.95	
	26 05 13 16-0205	EA	2/0 AWG Crimp Compression Connection For Bare Copper Wire	149.96	
	26 05 13 16-0206	EA	3/0 AWG Crimp Compression Connection For Bare Copper Wire	164.85	
	26 05 13 16-0207	EA	4/0 AWG Crimp Compression Connection For Bare Copper Wire	178.62	
	26 05 13 16-0208	EA	250 MCM Crimp Compression Connection For Bare Copper Wire	193.24	
	26 05 13 16-0209	EA	300 MCM Crimp Compression Connection For Bare Copper Wire	208.97	
	26 05 13 16-0210	EA	350 MCM Crimp Compression Connection For Bare Copper Wire	222.05	
	26 05 13 16-0211	EA	400 MCM Crimp Compression Connection For Bare Copper Wire	252.84	
	26 05 13 16-0212	EA	500 MCM Crimp Compression Connection For Bare Copper Wire	286.24	
	26 05 13 16-0213		Aluminum Cable Splice, Crimp Compression Connection *(26 05 13 16-0169)*		
			Note: For bare wire.		
	26 05 13 16-0214	EA	#6 AWG Crimp Compression Connection For Bare Aluminum Wire	79.51	
	26 05 13 16-0215	EA	#4 AWG Crimp Compression Connection For Bare Aluminum Wire	86.22	
	26 05 13 16-0216	EA	#2 AWG Crimp Compression Connection For Bare Aluminum Wire	118.23	
	26 05 13 16-0217	EA	#1 AWG Crimp Compression Connection For Bare Aluminum Wire	147.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0218	EA	1/0 AWG Crimp Compression Connection For Bare Aluminum Wire	159.34	
26 05 13 16-0219	EA	2/0 AWG Crimp Compression Connection For Bare Aluminum Wire	171.33	
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire	189.67	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire	204.87	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire	218.87	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire	234.03	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire	248.35	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire	290.52	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire	333.24	
26 05 13 16-0227		15 KV *(26 05 13 16-0168)*		
26 05 13 16-0228		Single Conductor Pothead On Racks *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks	1,845.98	428.60
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks	2,382.65	530.64
26 05 13 16-0231		Two Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks	2,651.05	653.09
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks	3,221.65	775.56
26 05 13 16-0234		Three Conductor Pothead On Rack *(26 05 13 16-0227)*		
		Note: Includes pothead.		
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks	3,347.25	846.98
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks	4,160.96	1,061.29
26 05 13 16-0237		Stress Relief Cone On Rack *(26 05 13 16-0227)*		
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack	1,672.83	428.60
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack	2,187.98	530.64
26 05 13 16-0240		Grounded, Shielded Cable Splice *(26 05 13 16-0227)*		
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV	1,095.25	316.34
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV	1,396.18	408.18
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way	8,786.71	1,122.51
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way	11,819.11	1,224.56
26 05 13 16-0245		Cable Termination *(26 05 13 16-0227)*		
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV	804.08	178.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.15*	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV	1,006.02	229.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*137.76*	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV	1,257.17	280.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.38*	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV	541.23	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 05 13 16-0250		Stress Cones, 5-15 KV, 4 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,262.16	132.66
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted	1,449.32	146.62
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted	1,755.10	160.46
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted	2,310.62	184.87
26 05 13 16-0255		Stress Cones, 5-15 KV, 6 Skirted *(26 05 13 16-0227)*		
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,524.37	265.77
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted	2,899.06	293.24
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted	3,498.26	314.96
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted	4,621.25	369.73
26 05 13 16-0260		35 KV *(26 05 13 16-0168)*		
26 05 13 16-0261		35 KV One Conductor Splice *(26 05 13 16-0260)*		
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing	2,756.23	
26 05 13 16-0263		Cable Termination *(26 05 13 16-0260)*		
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV	784.41	122.56
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination	1,029.63	184.91
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV	1,235.37	197.77
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV	610.94	102.05

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0268		70 KV *(26 05 13 16-0168)*			
26 05 13 16-0269		Cable Splice *(26 05 13 16-0268)*			
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing		22,136.52	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing		2,931.40	

26 05 19 Low-Voltage Electrical Power Conductors and Cables *(26 05)*

26 05 19 13 Undercarpet Electrical Power Cables *(26 05 19)*

26 05 19 13-0001		Under Carpet Power System *(26 05 19 13)*			
		Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing			
26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield		5.82	0.46
26 05 19 13-0003	LF	Steel, Top Shield		12.94	0.46
26 05 19 13-0004	EA	3-Conductor, Splice		31.63	7.92
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor		8.76	3.73
26 05 19 13-0006	EA	3-Conductor, Tap		39.59	9.32
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End		63.45	7.92
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly		41.53	4.66
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box		125.04	14.91
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box		208.79	23.30
26 05 19 13-0011	EA	Floor Mounted Box With Cover		209.26	18.65
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield		9.33	0.46
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable		9.26	0.46
26 05 19 13-0014	EA	5-Conductor, Splice		32.08	7.92
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly		55.34	4.66
26 05 19 13-0016	EA	Box, Wall, Flush With Cover		91.24	18.65
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box		59.32	15.39
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover		78.74	17.71
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45		34.05	6.99
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire		1.96	0.46
26 05 19 13-0021	EA	BNC, Coax Plug, Connector		26.19	9.32
26 05 19 13-0022	EA	TNC, Coax Plug, Connector		26.19	9.32
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm		138.30	46.61

26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables *(26 05 19)*

26 05 19 16-0001		Cable Installation Methods *(26 05 19 16)*			
26 05 19 16-0002		Pull Cord *(26 05 19 16-0001)*			
		Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.			
26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit		0.33	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits		0.17	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit		0.60	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits		0.39	
26 05 19 16-0007		Bore Conduit Into Dirt Or Sand *(26 05 19 16-0001)*			
		Note: For installation under roads, driveways or other structures up to 20'.			
26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand		3.53	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand		4.50	
26 05 19 16-0010	EA	Boring Minimum Set-Up Charge		495.37	
		Note: For projects where the total boring charge is less than the minimum set-up charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.			
26 05 19 16-0011		Wire and Cable *(26 05 19 16)*			
		Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.			
26 05 19 16-0012		600 Volt Wire *(26 05 19 16-0011)*			
26 05 19 16-0013		Single Solid Conductor, Copper *(26 05 19 16-0012)*			
26 05 19 16-0014	MLF	#14 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit		581.03	226.24
26 05 19 16-0015	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit		731.91	266.14
26 05 19 16-0016	MLF	#10 AWG,Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit		913.14	325.43
26 05 19 16-0017	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit		746.01	226.24
26 05 19 16-0018	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit		905.20	266.14
26 05 19 16-0019	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit		1,091.51	325.43
26 05 19 16-0020		Power Cable, Stranded Conductor, Copper *(26 05 19 16-0012)*			
26 05 19 16-0021		Power Cable, Stranded, Single Conductor, XHHW-2 *(26 05 19 16-0020)*			
26 05 19 16-0022	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit		612.86	186.44
26 05 19 16-0023	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit		721.57	223.72

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0024	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	895.80	261.02
26 05 19 16-0025	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	1,114.24	298.31
26 05 19 16-0026	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit	1,498.16	372.88
26 05 19 16-0027	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,054.37	447.46
26 05 19 16-0028	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	2,841.28	559.32
26 05 19 16-0029	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	3,376.77	633.90
26 05 19 16-0030	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	4,021.11	708.48
26 05 19 16-0031	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	5,036.41	783.05
26 05 19 16-0032	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	6,066.70	894.92
26 05 19 16-0033	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	7,302.68	1,006.78
26 05 19 16-0034	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	8,787.82	1,118.64
26 05 19 16-0035	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	10,590.38	1,230.51
26 05 19 16-0036	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	11,202.54	1,342.37
26 05 19 16-0037	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	13,357.82	1,454.24
26 05 19 16-0038	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	14,241.75	1,566.10
26 05 19 16-0039	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	15,970.33	1,677.96
26 05 19 16-0040	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	18,575.77	1,789.83
26 05 19 16-0041	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	21,458.98	1,938.98
26 05 19 16-0042	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	33,044.37	2,162.71
26 05 19 16-0043	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit	46,888.16	2,535.59

26 05 19 16-0044 Power Cable, Stranded, Multi Conductor, XHHW-2 *(26 05 19 16-0020)*

26 05 19 16-0045	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,443.15	447.36
26 05 19 16-0046	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,791.85	522.13
26 05 19 16-0047	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,233.86	633.90
26 05 19 16-0048	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,697.36	689.55
26 05 19 16-0049	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,953.37	727.02
26 05 19 16-0050	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,464.00	801.51
26 05 19 16-0051	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,250.74	835.44
26 05 19 16-0052	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,230.98	913.56
26 05 19 16-0053	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,695.68	969.68
26 05 19 16-0054	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	6,970.61	1,230.60
26 05 19 16-0055	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,571.25	1,827.12
26 05 19 16-0056	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	1,791.83	522.13
26 05 19 16-0057	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,314.63	633.90
26 05 19 16-0058	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,837.45	745.76
26 05 19 16-0059	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	2,414.21	670.90
26 05 19 16-0060	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,154.53	819.59
26 05 19 16-0061	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,084.54	1,044.25
26 05 19 16-0062	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,567.97	1,342.84
26 05 19 16-0063	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,604.64	1,715.34
26 05 19 16-0064	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,042.93	764.41
26 05 19 16-0065	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	3,935.16	894.92
26 05 19 16-0066	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,107.04	1,137.29
26 05 19 16-0067	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	4,015.63	857.63
26 05 19 16-0068	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,463.98	1,062.72
26 05 19 16-0069	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,019.62	1,310.67
26 05 19 16-0070	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	5,487.18	1,040.53
26 05 19 16-0071	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,304.30	1,190.14
26 05 19 16-0072	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	9,484.76	1,485.19
26 05 19 16-0073	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	7,668.41	1,267.42
26 05 19 16-0074	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	10,293.09	1,417.33
26 05 19 16-0075	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,660.75	1,864.40
26 05 19 16-0076	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	13,710.14	1,789.55
26 05 19 16-0077	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	17,905.93	2,236.36
26 05 19 16-0078	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	16,336.52	1,939.36
26 05 19 16-0079	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	19,948.04	2,236.36
26 05 19 16-0080	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	24,496.24	2,609.05
26 05 19 16-0081	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	32,351.04	3,354.54
26 05 19 16-0082	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	30,006.38	2,985.57
26 05 19 16-0083	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	31,926.04	3,354.54
26 05 19 16-0084	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	40,301.48	3,728.82
26 05 19 16-0085	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit	52,548.99	4,098.15

26 05 19 16-0086 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper

(26 05 19 16-0012)

Note: Direct bury.

26 05 19 16-0087	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	900.77	
26 05 19 16-0088	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,061.84	
26 05 19 16-0089	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,352.82	
26 05 19 16-0090	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,794.65	
26 05 19 16-0091	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,567.76	
26 05 19 16-0092	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,404.99	
26 05 19 16-0093	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,996.08	
26 05 19 16-0094	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,286.68	
26 05 19 16-0095	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,759.06	
26 05 19 16-0096	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,457.93	
26 05 19 16-0097	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,470.23	
26 05 19 16-0098	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,981.46	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0099	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,050.69	
26 05 19 16-0100	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	16,932.29	
26 05 19 16-0101	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	18,974.33	
26 05 19 16-0102	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,376.61	
26 05 19 16-0103	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	25,461.28	
26 05 19 16-0104	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	30,170.66	
26 05 19 16-0105	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	48,660.08	
26 05 19 16-0106	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	715.00	
26 05 19 16-0107	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	860.92	
26 05 19 16-0108	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,038.09	
26 05 19 16-0109	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,269.75	
26 05 19 16-0110	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,649.61	
26 05 19 16-0111	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,211.95	
26 05 19 16-0112	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,029.31	
26 05 19 16-0113	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,612.55	
26 05 19 16-0114	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,084.88	
26 05 19 16-0115	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,604.84	
26 05 19 16-0116	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,377.45	
26 05 19 16-0117	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	6,323.50	
26 05 19 16-0118	MLF	250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,200.04	
26 05 19 16-0119	MLF	300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,127.76	
26 05 19 16-0120	MLF	350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,139.58	
26 05 19 16-0121	MLF	400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,188.02	
26 05 19 16-0122	MLF	500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,950.35	
26 05 19 16-0123	MLF	750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	20,411.17	
26 05 19 16-0124	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	606.24	
26 05 19 16-0125	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	759.81	
26 05 19 16-0126	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	953.72	
26 05 19 16-0127	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,363.24	
26 05 19 16-0128	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	1,892.22	
26 05 19 16-0129	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	2,547.76	
26 05 19 16-0130	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	3,687.05	
26 05 19 16-0131	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	4,429.84	
26 05 19 16-0132	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,156.62	
26 05 19 16-0133	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,881.91	
26 05 19 16-0134	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,053.59	
26 05 19 16-0135	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,464.97	
26 05 19 16-0136	MLF	250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	9,999.32	
26 05 19 16-0137	MLF	300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,601.80	
26 05 19 16-0138	MLF	350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	13,331.08	
26 05 19 16-0139	MLF	400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	14,996.38	
26 05 19 16-0140	MLF	500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,949.10	
26 05 19 16-0141	MLF	600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,695.95	
26 05 19 16-0142	MLF	750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	34,995.41	
26 05 19 16-0143	MLF	#2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	5,518.34	
26 05 19 16-0144	MLF	1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	7,996.00	
26 05 19 16-0145	MLF	2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	8,869.88	
26 05 19 16-0146	MLF	3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	10,089.71	
26 05 19 16-0147	MLF	4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	11,221.21	
26 05 19 16-0148	MLF	250 MCM,Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	12,082.97	
26 05 19 16-0149	MLF	350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	17,540.52	
26 05 19 16-0150	MLF	400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	19,083.66	
26 05 19 16-0151	MLF	500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable	21,839.11	

26 05 19 16-0152 600 Volt, Armored Cable, Copper Conductors *(26 05 19 16-0012)*

26 05 19 16-0153 ACTHH, Solid *(26 05 19 16-0152)*

26 05 19 16-0154	MLF	1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable	2,427.78	612.28
26 05 19 16-0155	MLF	1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable	2,811.28	693.91
26 05 19 16-0156	MLF	1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable	3,271.30	734.74
26 05 19 16-0157	MLF	2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	3,374.91	1,020.46
26 05 19 16-0158	MLF	2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	3,570.59	1,142.72
26 05 19 16-0159	MLF	2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	4,686.51	1,266.09
26 05 19 16-0160	MLF	2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	6,370.13	1,388.35
26 05 19 16-0161	MLF	3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	4,164.73	1,142.72
26 05 19 16-0162	MLF	3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	4,299.79	1,266.09
26 05 19 16-0163	MLF	3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	5,672.55	1,429.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0164	MLF	3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	7,649.40	1,550.90
26 05 19 16-0165	MLF	4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable	5,054.75	1,266.09
26 05 19 16-0166	MLF	4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable	5,500.49	1,429.26
26 05 19 16-0167	MLF	4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable	7,207.27	1,592.03
26 05 19 16-0168	MLF	4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable	9,670.67	1,715.09
26 05 19 16-0169		**ACTHH, Stranded** *(26 05 19 16-0152)*		
26 05 19 16-0170	MLF	2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	6,575.19	1,470.39
26 05 19 16-0171	MLF	2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	8,131.17	1,672.84
26 05 19 16-0172	MLF	3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	7,854.12	1,632.75
26 05 19 16-0173	MLF	3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	10,050.60	1,835.41
26 05 19 16-0174	MLF	3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	12,985.24	2,040.93
26 05 19 16-0175	MLF	3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	15,027.22	2,242.78
26 05 19 16-0176	MLF	3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	17,335.96	2,447.17
26 05 19 16-0177	MLF	4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable	10,279.66	1,958.68
26 05 19 16-0178	MLF	4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable	12,644.30	2,161.96
26 05 19 16-0179	MLF	4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable	16,658.81	2,367.68
26 05 19 16-0180	MLF	4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable	18,279.73	2,570.45
26 05 19 16-0181	MLF	4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable	21,951.61	2,773.01
26 05 19 16-0182		**HCFC, Solid** *(26 05 19 16-0152)*		
26 05 19 16-0183	MLF	2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	3,892.33	1,020.46
26 05 19 16-0184	MLF	2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	4,234.02	1,146.59
26 05 19 16-0185	MLF	2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	4,753.21	1,259.87
26 05 19 16-0186	MLF	3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	4,804.22	1,146.59
26 05 19 16-0187	MLF	3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	5,126.32	1,259.87
26 05 19 16-0188	MLF	3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	6,904.21	1,437.32
26 05 19 16-0189	MLF	4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable	6,044.17	1,259.87
26 05 19 16-0190	MLF	4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable	6,546.27	1,437.32
26 05 19 16-0191	MLF	4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable	9,300.38	1,594.48
26 05 19 16-0192		**MC, Solid Or Stranded, Galvanized Steel Armor** *(26 05 19 16-0152)*		
26 05 19 16-0193	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,442.27	1,020.46
26 05 19 16-0194	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	3,835.67	1,146.59
26 05 19 16-0195	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,770.21	1,259.87
26 05 19 16-0196	MLF	2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,457.20	1,346.29
26 05 19 16-0197	MLF	2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,375.29	1,427.22
26 05 19 16-0198	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,018.98	1,146.59
26 05 19 16-0199	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,580.11	1,259.87
26 05 19 16-0200	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	6,040.76	1,437.32
26 05 19 16-0201	MLF	3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	8,278.03	1,550.90
26 05 19 16-0202	MLF	3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,871.07	1,672.84
26 05 19 16-0203	MLF	3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,585.12	1,796.63
26 05 19 16-0204	MLF	3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	18,175.96	1,918.17
26 05 19 16-0205	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	4,753.58	1,259.87
26 05 19 16-0206	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	5,453.82	1,437.32
26 05 19 16-0207	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	9,024.67	1,594.48
26 05 19 16-0208	MLF	4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	12,792.86	1,756.42
26 05 19 16-0209	MLF	4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	15,999.23	1,879.28
26 05 19 16-0210	MLF	4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	21,765.30	2,000.92
26 05 19 16-0211	MLF	4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable	28,751.06	2,121.54
26 05 19 16-0212		**MC, Solid Or Stranded, Aluminum Armor** *(26 05 19 16-0152)*		
26 05 19 16-0213	MLF	2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	3,402.82	1,020.46
26 05 19 16-0214	MLF	2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	3,733.38	1,146.59
26 05 19 16-0215	MLF	2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,679.74	1,259.87
26 05 19 16-0216	MLF	3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,183.73	1,146.59
26 05 19 16-0217	MLF	3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	4,489.23	1,259.87
26 05 19 16-0218	MLF	3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,968.89	1,437.32
26 05 19 16-0219	MLF	4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	5,536.80	1,259.87
26 05 19 16-0220	MLF	4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	6,021.48	1,437.32
26 05 19 16-0221	MLF	4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable	9,024.67	1,594.48
26 05 19 16-0222		**FPLP Solid TFN Red Armored Cable** *(26 05 19 16-0152)*		
		Note: Color coded red.		
26 05 19 16-0223	MLF	#18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable	3,690.58	775.56
26 05 19 16-0224	MLF	#18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable	4,174.20	898.01
26 05 19 16-0225	MLF	#18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable	5,264.83	1,020.46
26 05 19 16-0226	MLF	#18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable	6,065.60	1,142.92
26 05 19 16-0227	MLF	#16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,185.75	898.01
26 05 19 16-0228	MLF	#16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable	4,987.58	1,020.46
26 05 19 16-0229	MLF	#16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable	6,398.51	1,142.92
26 05 19 16-0230	MLF	#16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable	7,312.70	1,265.37

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0231			**FPLP Solid THHN Red Armored Cable** *(26 05 19 16-0152)*		
			Note: Color coded red.		
26 05 19 16-0232		MLF	#14/2 With #14 Ground Type THHN FPLP Red Armored Cable	4,627.37	1,020.46
26 05 19 16-0233		MLF	#14/4 With #14 Ground Type THHN FPLP Red Armored Cable	5,867.12	1,142.92
26 05 19 16-0234		MLF	#14/6 With #14 Ground Type THHN FPLP Red Armored Cable	8,055.18	1,265.37
26 05 19 16-0235		MLF	#14/8 With #14 Ground Type THHN FPLP Red Armored Cable	9,416.75	1,387.83
26 05 19 16-0236		MLF	#12/2 With #12 Ground Type THHN FPLP Red Armored Cable	5,978.44	1,142.92
26 05 19 16-0237		MLF	#12/4 With #12 Ground Type THHN FPLP Red Armored Cable	7,445.02	1,265.37
26 05 19 16-0238			**FPLP Twisted Shielded Pair Red Armored Cable** *(26 05 19 16-0152)*		
			Note: Color coded red.		
26 05 19 16-0239		MLF	#18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	4,068.64	775.56
26 05 19 16-0240		MLF	#18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	6,616.94	1,142.92
26 05 19 16-0241		MLF	#16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable	5,058.45	898.01
26 05 19 16-0242		MLF	#16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable	6,014.65	1,020.46
26 05 19 16-0243		MLF	#16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable	8,514.11	1,265.37
26 05 19 16-0244		MLF	#14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	5,916.12	1,061.29
26 05 19 16-0245		MLF	#14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable	7,393.38	1,224.56
26 05 19 16-0246			**Armored Cable Connectors** *(26 05 19 16-0152)*		
26 05 19 16-0247		EA	3/4" Armored Cable Connector	6.38	2.24
			For Work In Restricted Working Space, Add	*1.68*	
			For Elevated Installation >10' To 15', Add	*0.56*	
			For Elevated Installation >15' To 20', Add	*1.12*	
			For Elevated Installation >20' To 25', Add	*1.40*	
			For Elevated Installation >25' To 30', Add	*1.96*	
			For Elevated Installation >30' To 35', Add	*2.24*	
			For Elevated Installation >35' To 40', Add	*2.80*	
			For Elevated Installation >40', Add	*3.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 19 16-0248		EA	1" Armored Cable Connector	8.52	2.98
			For Work In Restricted Working Space, Add	*2.24*	
			For Elevated Installation >10' To 15', Add	*0.75*	
			For Elevated Installation >15' To 20', Add	*1.49*	
			For Elevated Installation >20' To 25', Add	*1.87*	
			For Elevated Installation >25' To 30', Add	*2.61*	
			For Elevated Installation >30' To 35', Add	*2.98*	
			For Elevated Installation >35' To 40', Add	*3.73*	
			For Elevated Installation >40', Add	*4.10*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 19 16-0249		EA	1-1/4" Armored Cable Connector	10.71	3.73
			For Work In Restricted Working Space, Add	*2.80*	
			For Elevated Installation >10' To 15', Add	*0.93*	
			For Elevated Installation >15' To 20', Add	*1.86*	
			For Elevated Installation >20' To 25', Add	*2.33*	
			For Elevated Installation >25' To 30', Add	*3.26*	
			For Elevated Installation >30' To 35', Add	*3.73*	
			For Elevated Installation >35' To 40', Add	*4.66*	
			For Elevated Installation >40', Add	*5.13*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 19 16-0250			**600 Volt, Feeder Wire, Single Stranded Copper** *(26 05 19 16-0012)*		
26 05 19 16-0251		MLF	#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	822.42	149.43
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*92.09*	
			For EPR Insulation, Add	*39.47*	
26 05 19 16-0252		MLF	#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	920.75	165.47
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*93.87*	
			For EPR Insulation, Add	*40.23*	
26 05 19 16-0253		MLF	#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,137.34	206.85
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*137.05*	
			For EPR Insulation, Add	*58.74*	
26 05 19 16-0254		MLF	#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,575.95	329.07
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*225.31*	
			For EPR Insulation, Add	*96.56*	
26 05 19 16-0255		MLF	#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,200.39	394.88
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*378.61*	
			For EPR Insulation, Add	*162.26*	
26 05 19 16-0256		MLF	#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,034.86	458.45
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*572.79*	
			For EPR Insulation, Add	*245.48*	
26 05 19 16-0257		MLF	#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,465.54	524.73
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*658.28*	
			For EPR Insulation, Add	*282.12*	
26 05 19 16-0258		MLF	#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,429.15	591.01
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*930.29*	
			For EPR Insulation, Add	*398.70*	
26 05 19 16-0259		MLF	#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,548.99	658.23
			For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,256.98*	
			For EPR Insulation, Add	*538.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0260	MLF	1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,722.65	742.59
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,569.88*	
		For EPR Insulation, Add	*672.80*	
26 05 19 16-0261	MLF	2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,155.15	823.50
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*1,973.37*	
		For EPR Insulation, Add	*845.73*	
26 05 19 16-0262	MLF	3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,842.22	919.34
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,465.96*	
		For EPR Insulation, Add	*1,056.84*	
26 05 19 16-0263	MLF	4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,122.33	1,022.16
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,816.12*	
		For EPR Insulation, Add	*1,206.91*	
26 05 19 16-0264	MLF	250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,823.47	1,121.07
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*2,963.64*	
		For EPR Insulation, Add	*1,270.13*	
26 05 19 16-0265	MLF	300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,036.60	1,232.38
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*3,640.35*	
		For EPR Insulation, Add	*1,560.15*	
26 05 19 16-0266	MLF	350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	15,694.84	1,306.48
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,122.86*	
		For EPR Insulation, Add	*1,766.94*	
26 05 19 16-0267	MLF	400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,634.83	1,460.21
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*4,703.97*	
		For EPR Insulation, Add	*2,015.99*	
26 05 19 16-0268	MLF	500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	20,234.18	1,623.99
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*5,515.86*	
		For EPR Insulation, Add	*2,363.94*	
26 05 19 16-0269	MLF	600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	23,793.50	1,689.62
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*6,631.11*	
		For EPR Insulation, Add	*2,841.91*	
26 05 19 16-0270	MLF	750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	39,240.44	1,755.15
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*11,841.78*	
		For EPR Insulation, Add	*5,075.05*	
26 05 19 16-0271	MLF	1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	49,677.64	1,875.41
		For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add	*15,364.29*	
		For EPR Insulation, Add	*6,584.70*	
26 05 19 16-0272	MLF	#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,467.37	335.41
26 05 19 16-0273	MLF	#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,865.60	372.88
26 05 19 16-0274	MLF	#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,354.98	447.83
26 05 19 16-0275	MLF	#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,797.53	521.84
26 05 19 16-0276	MLF	#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,311.10	558.77
26 05 19 16-0277	MLF	#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	452.87	186.44
26 05 19 16-0278	MLF	#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	564.56	205.09
26 05 19 16-0279	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	599.57	149.52
26 05 19 16-0280	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	750.26	178.24
26 05 19 16-0281	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	939.40	224.20
26 05 19 16-0282	MLF	#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,338.27	295.51
26 05 19 16-0283	MLF	#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	1,850.95	356.85
26 05 19 16-0284	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,484.15	421.73
26 05 19 16-0285	MLF	#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,982.11	477.38
26 05 19 16-0286	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,586.94	534.62
26 05 19 16-0287	MLF	#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,303.23	603.32
26 05 19 16-0288	MLF	1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,008.72	660.65
26 05 19 16-0289	MLF	2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,708.35	730.10
26 05 19 16-0290	MLF	3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,833.12	772.24
26 05 19 16-0291	MLF	4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	8,190.62	868.81
26 05 19 16-0292	MLF	250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	9,665.21	924.28
26 05 19 16-0293	MLF	300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	11,204.70	1,046.77
26 05 19 16-0294	MLF	350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	12,864.96	1,158.44
26 05 19 16-0295	MLF	400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	14,464.28	1,190.14
26 05 19 16-0296	MLF	500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	17,289.70	1,259.13
26 05 19 16-0297	MLF	600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	21,602.73	1,481.74
26 05 19 16-0298	MLF	750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	33,568.65	1,755.15
26 05 19 16-0299	MLF	1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	40,283.81	2,119.08
26 05 19 16-0300	MLF	#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,688.75	447.83
26 05 19 16-0301	MLF	#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	2,969.16	521.84
26 05 19 16-0302	MLF	#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	3,446.99	597.08
26 05 19 16-0303	MLF	#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	4,560.27	670.90
26 05 19 16-0304	MLF	#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	5,179.08	745.76
26 05 19 16-0305	MLF	#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit	6,706.67	819.59

26 05 19 16-0306 600 Volt, Feeder Wire, Single Stranded Aluminum *(26 05 19 16-0012)*

26 05 19 16-0307	MLF	#6 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,161.92	300.60
26 05 19 16-0308	MLF	#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,379.74	349.53
26 05 19 16-0309	MLF	#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,808.36	448.68
26 05 19 16-0310	MLF	#1 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,258.22	501.03
26 05 19 16-0311	MLF	1/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,618.12	564.47
26 05 19 16-0312	MLF	2/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,983.80	623.03
26 05 19 16-0313	MLF	3/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,529.59	703.12
26 05 19 16-0314	MLF	4/0 AWG,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,908.12	775.73
26 05 19 16-0315	MLF	250 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,535.47	852.77
26 05 19 16-0316	MLF	300 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,638.34	927.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0317	MLF	350 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,879.74	1,001.96
26 05 19 16-0318	MLF	400 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,731.79	1,114.45
26 05 19 16-0319	MLF	500 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,419.36	1,226.91
26 05 19 16-0320	MLF	600 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,087.14	1,429.21
26 05 19 16-0321	MLF	700 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,282.63	1,566.82
26 05 19 16-0322	MLF	750 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,492.65	1,624.90
26 05 19 16-0323	MLF	1,000 MCM,Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	14,501.49	1,971.10
26 05 19 16-0324	MLF	#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,274.83	331.03
26 05 19 16-0325	MLF	#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,433.37	372.88
26 05 19 16-0326	MLF	#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,764.55	458.73
26 05 19 16-0327	MLF	#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,244.39	562.31
26 05 19 16-0328	MLF	#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,882.95	661.96
26 05 19 16-0329	MLF	1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,338.89	746.04
26 05 19 16-0330	MLF	2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,813.18	828.64
26 05 19 16-0331	MLF	3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,423.57	904.05
26 05 19 16-0332	MLF	4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,809.39	962.12
26 05 19 16-0333	MLF	250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,508.47	1,029.44
26 05 19 16-0334	MLF	300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,812.01	1,103.26
26 05 19 16-0335	MLF	350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,100.32	1,191.83
26 05 19 16-0336	MLF	400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,067.11	1,299.68
26 05 19 16-0337	MLF	500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,043.02	1,491.53
26 05 19 16-0338	MLF	600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,657.46	1,569.65
26 05 19 16-0339	MLF	700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	11,910.02	1,654.85
26 05 19 16-0340	MLF	750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	12,249.03	1,758.70
26 05 19 16-0341	MLF	1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	17,852.03	2,464.75
26 05 19 16-0342	MLF	#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,330.30	372.88
26 05 19 16-0343	MLF	#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	1,658.35	458.64
26 05 19 16-0344	MLF	#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,067.39	563.05
26 05 19 16-0345	MLF	#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,589.56	658.23
26 05 19 16-0346	MLF	1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	2,925.64	742.59
26 05 19 16-0347	MLF	2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,309.99	823.50
26 05 19 16-0348	MLF	3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	3,829.85	904.05
26 05 19 16-0349	MLF	4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,179.77	962.12
26 05 19 16-0350	MLF	250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	4,733.12	1,028.78
26 05 19 16-0351	MLF	300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	5,718.99	1,104.66
26 05 19 16-0352	MLF	350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,054.65	1,193.41
26 05 19 16-0353	MLF	400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	6,699.66	1,296.69
26 05 19 16-0354	MLF	500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	7,709.87	1,491.53
26 05 19 16-0355	MLF	600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	8,804.58	1,565.45
26 05 19 16-0356	MLF	700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	9,756.17	1,654.85
26 05 19 16-0357	MLF	750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit	10,138.98	1,753.38

26 05 19 16-0358 Non-Metallic Sheathed Cable *(26 05 19 16-0012)*

26 05 19 16-0359 Indoor Installation *(26 05 19 16-0358)*

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0360	MLF	#14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	2,944.76	708.38
		For Installation In Wood Stud Wall (Includes Drilling), Add	*265.64*	
26 05 19 16-0361	MLF	#14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,753.48	857.63
		For Installation In Wood Stud Wall (Includes Drilling), Add	*321.62*	
26 05 19 16-0362	MLF	#14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,125.69	948.98
		For Installation In Wood Stud Wall (Includes Drilling), Add	*355.87*	
26 05 19 16-0363	MLF	#12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	3,937.29	805.42
		For Installation In Wood Stud Wall (Includes Drilling), Add	*286.65*	
26 05 19 16-0364	MLF	#12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	6,066.08	894.73
		For Installation In Wood Stud Wall (Includes Drilling), Add	*335.54*	
26 05 19 16-0365	MLF	#12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,420.38	999.32
		For Installation In Wood Stud Wall (Includes Drilling), Add	*374.75*	
26 05 19 16-0366	MLF	#10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	5,033.70	895.19
		For Installation In Wood Stud Wall (Includes Drilling), Add	*335.71*	
26 05 19 16-0367	MLF	#10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	8,710.64	1,044.25
		For Installation In Wood Stud Wall (Includes Drilling), Add	*391.59*	
26 05 19 16-0368	MLF	#10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,485.44	1,193.22
		For Installation In Wood Stud Wall (Includes Drilling), Add	*447.46*	
26 05 19 16-0369	MLF	#8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	10,769.48	1,072.03
		For Installation In Wood Stud Wall (Includes Drilling), Add	*381.74*	
26 05 19 16-0370	MLF	#8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	13,891.09	1,295.76
		For Installation In Wood Stud Wall (Includes Drilling), Add	*461.44*	
26 05 19 16-0371	MLF	#6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	14,465.19	1,221.18
		For Installation In Wood Stud Wall (Includes Drilling), Add	*433.47*	
26 05 19 16-0372	MLF	#6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	19,598.67	1,472.88
		For Installation In Wood Stud Wall (Includes Drilling), Add	*524.36*	
26 05 19 16-0373	MLF	#4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	48,632.02	1,622.03
		For Installation In Wood Stud Wall (Includes Drilling), Add	*576.80*	
26 05 19 16-0374	MLF	#2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable	56,964.10	1,761.87
		For Installation In Wood Stud Wall (Includes Drilling), Add	*629.24*	

26 05 19 16-0375 Direct Burial Cable *(26 05 19 16-0358)*

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0376	MLF	#14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,114.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0377	MLF	#14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,758.31	
26 05 19 16-0378	MLF	#12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,683.13	
26 05 19 16-0379	MLF	#12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	3,445.49	
26 05 19 16-0380	MLF	#10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	2,920.55	
26 05 19 16-0381	MLF	#10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,194.23	
26 05 19 16-0382	MLF	#8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	4,534.24	
26 05 19 16-0383	MLF	#8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,803.56	
26 05 19 16-0384	MLF	#6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	5,719.68	
26 05 19 16-0385	MLF	#6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench	7,531.32	

26 05 19 16-0386 SEU Cable Copper, 3 Conductor *(26 05 19 16-0358)*

26 05 19 16-0387	MLF	12-12-12 Cable SEU Copper	2,839.11	898.32
26 05 19 16-0388	MLF	10-10-10 Cable SEU Copper	3,611.90	1,020.46
26 05 19 16-0389	MLF	8-8-8 Cable SEU Copper	4,552.34	1,142.72
26 05 19 16-0390	MLF	6-6-8 Cable SEU Copper	5,568.91	1,225.07
26 05 19 16-0391	MLF	6-6-6 Cable SEU Copper	6,014.42	1,266.09
26 05 19 16-0392	MLF	4-4-6 Cable SEU Copper	7,403.38	1,388.35
26 05 19 16-0393	MLF	4-4-4 Cable SEU Copper	8,008.18	1,429.26
26 05 19 16-0394	MLF	3-3-5 Cable SEU Copper	9,376.91	1,550.90
26 05 19 16-0395	MLF	3-3-3 Cable SEU Copper	9,966.68	1,632.75
26 05 19 16-0396	MLF	2-2-4 Cable SEU Copper	10,660.75	1,715.09
26 05 19 16-0397	MLF	2-2-2 Cable SEU Copper	11,415.20	1,796.63
26 05 19 16-0398	MLF	1-1-1 Cable SEU Copper	14,047.25	2,040.93
26 05 19 16-0399	MLF	1/0-1/0-1/0 Cable SEU Copper	16,783.82	2,288.09
26 05 19 16-0400	MLF	2/0-2/0-2/0 Cable SEU Copper	20,295.37	2,576.98
26 05 19 16-0401	MLF	3/0-3/0-3/0 Cable SEU Copper	24,528.63	2,866.49
26 05 19 16-0402	MLF	4/0-4/0-4/0 Cable SEU Copper	27,414.22	3,198.95

26 05 19 16-0403 SEU Cable Aluminum, 3 Conductor *(26 05 19 16-0358)*

26 05 19 16-0404	MLF	8-8-8 Cable SEU Aluminum	3,783.46	1,146.59
26 05 19 16-0405	MLF	6-6-6 Cable SEU Aluminum	4,328.53	1,259.87
26 05 19 16-0406	MLF	4-4-6 Cable SEU Aluminum	4,872.93	1,379.05
26 05 19 16-0407	MLF	4-4-4 Cable SEU Aluminum	5,104.73	1,437.32
26 05 19 16-0408	MLF	2-2-4 Cable SEU Aluminum	6,113.89	1,700.81
26 05 19 16-0409	MLF	2-2-2 Cable SEU Aluminum	6,495.07	1,790.30
26 05 19 16-0410	MLF	1-1-1 Cable SEU Aluminum	7,838.84	2,040.93
26 05 19 16-0411	MLF	1/0-1/0-2 Cable SEU Aluminum	8,301.90	2,148.38
26 05 19 16-0412	MLF	1/0-1/0-1/0 Cable SEU Aluminum	10,206.50	2,267.67
26 05 19 16-0413	MLF	2/0-2/0-1 Cable SEU Aluminum	9,371.97	2,429.73
26 05 19 16-0414	MLF	2/0-2/0-2/0 Cable SEU Aluminum	9,905.82	2,551.16
26 05 19 16-0415	MLF	3/0-3/0-1/0 Cable SEU Aluminum	10,827.47	2,671.37
26 05 19 16-0416	MLF	3/0-3/0-3/0 Cable SEU Aluminum	11,591.50	2,834.64
26 05 19 16-0417	MLF	4/0-4/0-2/0 Cable SEU Aluminum	12,213.60	3,064.46
26 05 19 16-0418	MLF	4/0-4/0-4/0 Cable SEU Aluminum	12,915.33	3,188.95

26 05 19 16-0419 SER Cable Copper, 4 Conductor *(26 05 19 16-0358)*

26 05 19 16-0420	MLF	6-6-6-6 Cable SER Copper	9,690.18	1,470.39
26 05 19 16-0421	MLF	4-4-4-6 Cable SER Copper	10,636.32	1,592.03
26 05 19 16-0422	MLF	3-3-3-5 Cable SER Copper	13,271.48	1,796.63
26 05 19 16-0423	MLF	2-2-2-4 Cable SER Copper	15,243.86	1,958.68
26 05 19 16-0424	MLF	1-1-1-3 Cable SER Copper	17,787.88	2,242.78
26 05 19 16-0425	MLF	1/0-1/0-1/0-2 Cable SER Copper	21,747.60	2,570.45
26 05 19 16-0426	MLF	2/0-2/0-2/0-1 Cable SER Copper	27,477.60	2,773.01
26 05 19 16-0427	MLF	3/0-3/0-3/0-1/0 Cable SER Copper	31,790.05	3,101.70

26 05 19 16-0428 SER Cable Aluminum, 4 Conductor *(26 05 19 16-0358)*

26 05 19 16-0429	MLF	8-8-8-8 Cable SER Aluminum	4,396.27	1,372.42
26 05 19 16-0430	MLF	6-6-6-6 Cable SER Aluminum	4,782.18	1,470.39
26 05 19 16-0431	MLF	4-4-4-6 Cable SER Aluminum	5,330.60	1,592.03
26 05 19 16-0432	MLF	2-2-2-4 Cable SER Aluminum	6,695.45	1,958.68
26 05 19 16-0433	MLF	1-1-1-3 Cable SER Aluminum	8,012.91	2,242.78
26 05 19 16-0434	MLF	1/0-1/0-1/0-2 Cable SER Aluminum	9,067.64	2,570.45
26 05 19 16-0435	MLF	2/0-2/0-2/0-1 Cable SER Aluminum	10,102.76	2,773.01
26 05 19 16-0436	MLF	3/0-3/0-3/0-1/0 Cable SER Aluminum	11,478.84	3,101.70
26 05 19 16-0437	MLF	4/0-4/0-4/0-2/0 Cable SER Aluminum	13,007.83	3,456.21

26 05 19 16-0438 Control Tray Cable, Low Voltage *(26 05 19 16-0011)*

Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.

26 05 19 16-0439	MLF	2 Conductor #18 AWG, Stranded, Type TC Control Cable	982.09	452.21
		For Work In Restricted Working Space, Add	*226.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0440	MLF	3 Conductor #18 AWG, Stranded, Type TC Control Cable	1,136.75	505.85
		For Work In Restricted Working Space, Add	*252.92*	
26 05 19 16-0441	MLF	4 Conductor #18 AWG, Stranded, Type TC Control Cable	1,196.58	505.82
		For Work In Restricted Working Space, Add	*252.92*	
26 05 19 16-0442	MLF	5 Conductor #18 AWG, Stranded, Type TC Control Cable	1,497.91	634.44
		For Work In Restricted Working Space, Add	*317.22*	
26 05 19 16-0443	MLF	7 Conductor #18 AWG, Stranded, Type TC Control Cable	1,892.20	773.12
		For Work In Restricted Working Space, Add	*386.56*	
26 05 19 16-0444	MLF	9 Conductor #18 AWG, Stranded, Type TC Control Cable	2,167.44	850.16
		For Work In Restricted Working Space, Add	*425.08*	
26 05 19 16-0445	MLF	12 Conductor #18 AWG, Stranded, Type TC Control Cable	2,588.92	966.00
		For Work In Restricted Working Space, Add	*483.00*	
26 05 19 16-0446	MLF	15 Conductor #18 AWG, Stranded, Type TC Control Cable	3,283.98	1,180.73
		For Work In Restricted Working Space, Add	*590.37*	
26 05 19 16-0447	MLF	19 Conductor #18 AWG, Stranded, Type TC Control Cable	3,767.51	1,288.12
		For Work In Restricted Working Space, Add	*644.06*	
26 05 19 16-0448	MLF	25 Conductor #18 AWG, Stranded, Type TC Control Cable	4,508.98	1,328.39
		For Work In Restricted Working Space, Add	*664.19*	
26 05 19 16-0449	MLF	30 Conductor #18 AWG, Stranded, Type TC Control Cable	5,523.11	1,659.51
		For Work In Restricted Working Space, Add	*829.75*	
26 05 19 16-0450	MLF	37 Conductor #18 AWG, Stranded, Type TC Control Cable	6,636.85	1,939.45
		For Work In Restricted Working Space, Add	*969.72*	
26 05 19 16-0451	MLF	2 Conductor #16 AWG, Stranded, Type TC Control Cable	1,078.82	476.36
		For Work In Restricted Working Space, Add	*237.99*	
26 05 19 16-0452	MLF	3 Conductor #16 AWG, Stranded, Type TC Control Cable	1,254.55	532.48
		For Work In Restricted Working Space, Add	*266.24*	
26 05 19 16-0453	MLF	4 Conductor #16 AWG, Stranded, Type TC Control Cable	1,463.56	613.02
		For Work In Restricted Working Space, Add	*306.51*	
26 05 19 16-0454	MLF	5 Conductor #16 AWG, Stranded, Type TC Control Cable	1,663.69	667.83
		For Work In Restricted Working Space, Add	*333.92*	
26 05 19 16-0455	MLF	7 Conductor #16 AWG, Stranded, Type TC Control Cable	2,110.93	813.82
		For Work In Restricted Working Space, Add	*406.91*	
26 05 19 16-0456	MLF	9 Conductor #16 AWG, Stranded, Type TC Control Cable	2,429.65	894.92
		For Work In Restricted Working Space, Add	*447.46*	
26 05 19 16-0457	MLF	12 Conductor #16 AWG, Stranded, Type TC Control Cable	2,918.38	1,016.85
		For Work In Restricted Working Space, Add	*508.42*	
26 05 19 16-0458	MLF	15 Conductor #16 AWG, Stranded, Type TC Control Cable	3,716.48	1,242.81
		For Work In Restricted Working Space, Add	*621.41*	
26 05 19 16-0459	MLF	19 Conductor #16 AWG, Stranded, Type TC Control Cable	4,285.46	1,355.80
		For Work In Restricted Working Space, Add	*677.90*	
26 05 19 16-0460	MLF	25 Conductor #16 AWG, Stranded, Type TC Control Cable	5,199.27	1,398.31
		For Work In Restricted Working Space, Add	*699.15*	
26 05 19 16-0461	MLF	30 Conductor #16 AWG, Stranded, Type TC Control Cable	6,357.86	1,746.76
		For Work In Restricted Working Space, Add	*873.38*	
26 05 19 16-0462	MLF	37 Conductor #16 AWG, Stranded, Type TC Control Cable	7,658.09	2,041.53
		For Work In Restricted Working Space, Add	*1,020.76*	
26 05 19 16-0463	MLF	2 Conductor #14 AWG, Stranded, Type TC Control Cable	1,175.43	497.24
		For Work In Restricted Working Space, Add	*248.62*	
26 05 19 16-0464	MLF	3 Conductor #14 AWG, Stranded, Type TC Control Cable	1,414.86	559.32
		For Work In Restricted Working Space, Add	*279.66*	
26 05 19 16-0465	MLF	4 Conductor #14 AWG, Stranded, Type TC Control Cable	1,663.72	639.31
		For Work In Restricted Working Space, Add	*319.65*	
26 05 19 16-0466	MLF	5 Conductor #14 AWG, Stranded, Type TC Control Cable	1,881.72	688.53
		For Work In Restricted Working Space, Add	*344.26*	
26 05 19 16-0467	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable	2,528.36	844.02
		For Work In Restricted Working Space, Add	*422.01*	
26 05 19 16-0468	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable	2,927.19	932.20
		For Work In Restricted Working Space, Add	*466.20*	
26 05 19 16-0469	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable	3,623.74	1,040.34
		For Work In Restricted Working Space, Add	*520.17*	
26 05 19 16-0470	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable	4,328.30	1,242.63
		For Work In Restricted Working Space, Add	*621.41*	
26 05 19 16-0471	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable	7,518.12	1,443.99
		For Work In Restricted Working Space, Add	*721.81*	
26 05 19 16-0472	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable	6,539.62	1,688.22
		For Work In Restricted Working Space, Add	*844.30*	
26 05 19 16-0473	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable	7,624.89	1,886.59
		For Work In Restricted Working Space, Add	*943.30*	
26 05 19 16-0474	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable	9,206.96	2,204.85
		For Work In Restricted Working Space, Add	*1,102.43*	
26 05 19 16-0475	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable	1,383.71	532.48
		For Work In Restricted Working Space, Add	*266.24*	
26 05 19 16-0476	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable	1,668.21	589.16
		For Work In Restricted Working Space, Add	*294.48*	
26 05 19 16-0477	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable	2,040.76	677.90
		For Work In Restricted Working Space, Add	*338.95*	
26 05 19 16-0478	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable	2,324.21	721.53
		For Work In Restricted Working Space, Add	*360.76*	
26 05 19 16-0479	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable	3,092.44	860.24
		For Work In Restricted Working Space, Add	*430.12*	
26 05 19 16-0480	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable	3,829.31	1,016.85
		For Work In Restricted Working Space, Add	*508.42*	
26 05 19 16-0481	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable	4,685.53	1,147.17
		For Work In Restricted Working Space, Add	*573.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0482	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable	5,592.48	1,316.08
		For Work In Restricted Working Space, Add	*658.04*	
26 05 19 16-0483	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable	6,632.97	1,491.71
		For Work In Restricted Working Space, Add	*745.86*	
26 05 19 16-0484	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable	8,548.02	1,743.41
		For Work In Restricted Working Space, Add	*871.70*	
26 05 19 16-0485	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable	9,892.82	2,037.61
		For Work In Restricted Working Space, Add	*1,018.80*	
26 05 19 16-0486	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable	11,991.03	2,381.59
		For Work In Restricted Working Space, Add	*1,190.80*	
26 05 19 16-0487	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable	1,673.18	559.32
		For Work In Restricted Working Space, Add	*279.66*	
26 05 19 16-0488	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable	2,116.17	613.39
		For Work In Restricted Working Space, Add	*306.51*	
26 05 19 16-0489	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable	2,592.84	699.15
		For Work In Restricted Working Space, Add	*349.58*	
26 05 19 16-0490	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable	3,031.54	758.44
		For Work In Restricted Working Space, Add	*379.22*	
26 05 19 16-0491	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable	4,129.06	951.96
		For Work In Restricted Working Space, Add	*475.98*	
26 05 19 16-0492	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable	4,916.53	1,065.50
		For Work In Restricted Working Space, Add	*532.76*	
26 05 19 16-0493	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable	5,728.68	1,242.81
		For Work In Restricted Working Space, Add	*621.41*	
26 05 19 16-0494	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable	6,787.43	1,421.24
		For Work In Restricted Working Space, Add	*710.62*	
26 05 19 16-0495	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable	8,075.56	1,610.85
		For Work In Restricted Working Space, Add	*805.43*	
26 05 19 16-0496	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable	10,472.84	1,882.68
		For Work In Restricted Working Space, Add	*941.34*	
26 05 19 16-0497	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable	12,113.15	2,200.38
		For Work In Restricted Working Space, Add	*1,100.19*	
26 05 19 16-0498	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable	14,715.42	2,572.32
		For Work In Restricted Working Space, Add	*1,286.16*	

26 05 19 16-0499 ACSR (Aluminum Conductor Steel Reinforced) *(26 05 19 16-0011)*

Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.

26 05 19 16-0500 ACSR Cable *(26 05 19 16-0499)*

26 05 19 16-0501	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,632.12	476.41
26 05 19 16-0502	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial)	1,755.41	494.68
26 05 19 16-0503	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial)	1,935.34	513.73
26 05 19 16-0504	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial)	2,058.81	532.33
26 05 19 16-0505	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,373.44	550.38
26 05 19 16-0506	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial)	2,798.00	623.91
26 05 19 16-0507	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,284.72	695.79
26 05 19 16-0508	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial)	3,837.20	768.66
26 05 19 16-0509	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial)	4,330.74	987.82
26 05 19 16-0510	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial)	4,908.32	1,133.12

26 05 19 16-0511 All Aluminum Conductors *(26 05 19 16-0499)*

26 05 19 16-0512	MLF	795.0 ACSR Conductor Aluminum	32,687.50	9,402.84

26 05 19 16-0513 Single Conductor Installed On Poles *(26 05 19 16-0011)*

26 05 19 16-0514 Bare Stranded Conductor *(26 05 19 16-0513)*

26 05 19 16-0515	MLF	#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,229.01	403.64
26 05 19 16-0516	MLF	#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,447.85	439.97
26 05 19 16-0517	MLF	#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	1,667.88	476.74
26 05 19 16-0518	MLF	#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,060.13	513.73
26 05 19 16-0519	MLF	#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	2,522.51	550.82
26 05 19 16-0520	MLF	#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	3,643.43	660.67
26 05 19 16-0521	MLF	#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,192.92	733.88
26 05 19 16-0522	MLF	1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	4,792.37	805.76
26 05 19 16-0523	MLF	2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	6,456.96	955.68
26 05 19 16-0524	MLF	3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	7,850.02	1,098.78
26 05 19 16-0525	MLF	4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	8,409.90	1,245.29
26 05 19 16-0526	MLF	250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,671.23	1,467.64
26 05 19 16-0527	MLF	300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	10,905.54	1,544.92
26 05 19 16-0528	MLF	350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	13,689.93	1,617.90
26 05 19 16-0529	MLF	400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	15,153.45	1,684.27
26 05 19 16-0530	MLF	500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles	17,715.40	1,756.15

26 05 19 16-0531 Insulated Stranded Conductor *(26 05 19 16-0513)*

26 05 19 16-0532	MLF	#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,336.61	403.64
26 05 19 16-0533	MLF	#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,586.69	439.97
26 05 19 16-0534	MLF	#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	1,941.96	476.74
26 05 19 16-0535	MLF	#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,112.01	513.73

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0536		MLF	#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	2,601.66	550.82
26 05 19 16-0537		MLF	#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	3,529.12	660.67
26 05 19 16-0538		MLF	#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,181.51	733.88
26 05 19 16-0539		MLF	1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	4,951.53	805.76
26 05 19 16-0540		MLF	2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	5,968.19	955.68
26 05 19 16-0541		MLF	3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	7,168.73	1,098.78
26 05 19 16-0542		MLF	4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	8,463.05	1,245.29
26 05 19 16-0543		MLF	250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	10,346.04	1,467.64
26 05 19 16-0544		MLF	300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	11,766.31	1,544.92
26 05 19 16-0545		MLF	350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	12,922.09	1,617.90
26 05 19 16-0546		MLF	400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	14,516.81	1,684.27
26 05 19 16-0547		MLF	500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles	16,361.29	1,756.15
26 05 19 16-0548			Bare Solid Conductor *(26 05 19 16-0513)*		
26 05 19 16-0549		MLF	#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,229.01	403.64
26 05 19 16-0550		MLF	#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	1,667.88	476.74
26 05 19 16-0551		MLF	#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,060.13	513.73
26 05 19 16-0552		MLF	#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles	2,489.80	550.82
26 05 19 16-0553			Multi-Conductor Cords, Cables And Associated Equipment *(26 05 19 16-0011)*		
26 05 19 16-0554			Multi-Conductor Cords *(26 05 19 16-0553)* Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
26 05 19 16-0555			Multi-Conductor Type SOOW And SJOOW Cord *(26 05 19 16-0554)* Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0556			300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0555)*		
26 05 19 16-0557			#18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0556)*		
26 05 19 16-0558		LF	2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.95	0.41
26 05 19 16-0559		LF	3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	0.99	0.41
26 05 19 16-0560		LF	4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.09	0.41
26 05 19 16-0561			#16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0556)*		
26 05 19 16-0562		LF	2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.11	0.41
26 05 19 16-0563		LF	3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.17	0.41
26 05 19 16-0564		LF	4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.25	0.41
26 05 19 16-0565			#14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0556)*		
26 05 19 16-0566		LF	2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.22	0.41
26 05 19 16-0567		LF	3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.32	0.41
26 05 19 16-0568		LF	4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.50	0.41
26 05 19 16-0569			#12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0556)*		
26 05 19 16-0570		LF	2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.38	0.41
26 05 19 16-0571		LF	3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.49	0.41
26 05 19 16-0572		LF	4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.65	0.41
26 05 19 16-0573			#10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0556)*		
26 05 19 16-0574		LF	2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.75	0.51
26 05 19 16-0575		LF	3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.83	0.51
26 05 19 16-0576		LF	4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene)	1.95	0.51
26 05 19 16-0577			600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0555)*		
26 05 19 16-0578			#18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0577)*		
26 05 19 16-0579		LF	2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	0.99	0.41
26 05 19 16-0580		LF	3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.06	0.41
26 05 19 16-0581		LF	4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.15	0.41
26 05 19 16-0582		LF	5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.91	0.55
26 05 19 16-0583		LF	6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.06	0.56
26 05 19 16-0584		LF	7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.19	0.58
26 05 19 16-0585		LF	8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.38	0.60
26 05 19 16-0586		LF	10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.71	0.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0587	LF	12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.07	0.64
26 05 19 16-0588	LF	14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.97	0.66
26 05 19 16-0589	LF	16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.05	0.67
26 05 19 16-0590	LF	18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.15	0.69
26 05 19 16-0591	LF	20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.60	0.70
26 05 19 16-0592	LF	24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.74	0.72
26 05 19 16-0593	LF	30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.99	0.76

26 05 19 16-0594 #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0577)

26 05 19 16-0595	LF	2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.17	0.41
26 05 19 16-0596	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.23	0.41
26 05 19 16-0597	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.34	0.41
26 05 19 16-0598	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	1.98	0.55
26 05 19 16-0599	LF	6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.16	0.56
26 05 19 16-0600	LF	7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.35	0.58
26 05 19 16-0601	LF	8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.58	0.60
26 05 19 16-0602	LF	9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.69	0.61
26 05 19 16-0603	LF	10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.96	0.63
26 05 19 16-0604	LF	12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.43	0.64
26 05 19 16-0605	LF	14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.66	0.66
26 05 19 16-0606	LF	16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.11	0.67
26 05 19 16-0607	LF	18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.71	0.69
26 05 19 16-0608	LF	20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.26	0.70
26 05 19 16-0609	LF	24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.31	0.72
26 05 19 16-0610	LF	26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.91	0.73
26 05 19 16-0611	LF	30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.01	0.76

26 05 19 16-0612 #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0577)

26 05 19 16-0613	LF	2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.33	0.41
26 05 19 16-0614	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.40	0.41
26 05 19 16-0615	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.57	0.41
26 05 19 16-0616	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.51	0.55
26 05 19 16-0617	LF	6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.96	0.56
26 05 19 16-0618	LF	7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.13	0.58
26 05 19 16-0619	LF	8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.49	0.60
26 05 19 16-0620	LF	9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.75	0.61
26 05 19 16-0621	LF	10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.16	0.63
26 05 19 16-0622	LF	12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.56	0.64
26 05 19 16-0623	LF	14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.01	0.66
26 05 19 16-0624	LF	16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.98	0.67
26 05 19 16-0625	LF	20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.69	0.70
26 05 19 16-0626	LF	24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.85	0.72
26 05 19 16-0627	LF	30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.25	0.76

26 05 19 16-0628 #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord

(26 05 19 16-0577)

26 05 19 16-0629	LF	2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.50	0.41
26 05 19 16-0630	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.63	0.41
26 05 19 16-0631	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.75	0.41
26 05 19 16-0632	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.84	0.55
26 05 19 16-0633	LF	6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.26	0.56
26 05 19 16-0634	LF	7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.70	0.58
26 05 19 16-0635	LF	8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.16	0.60
26 05 19 16-0636	LF	9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.50	0.61
26 05 19 16-0637	LF	10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.07	0.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0638	LF	12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.75	0.64
26 05 19 16-0639	LF	14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.37	0.66
26 05 19 16-0640	LF	16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.00	0.67
26 05 19 16-0641	LF	18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	7.30	0.69
26 05 19 16-0642	LF	20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.39	0.70
26 05 19 16-0643	LF	24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	9.50	0.72
26 05 19 16-0644	LF	26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.61	0.73
26 05 19 16-0645	LF	28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	10.97	0.75
26 05 19 16-0646	LF	30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	11.36	0.76
26 05 19 16-0647		**#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0577)*		
26 05 19 16-0648	LF	2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.72	0.51
26 05 19 16-0649	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.83	0.51
26 05 19 16-0650	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	1.94	0.51
26 05 19 16-0651	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	2.49	0.55
26 05 19 16-0652	LF	6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	3.94	0.56
26 05 19 16-0653	LF	7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	4.60	0.58
26 05 19 16-0654	LF	10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	5.88	0.63
26 05 19 16-0655	LF	12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	6.71	0.64
26 05 19 16-0656	LF	16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	8.50	0.67
26 05 19 16-0657	LF	20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron)	12.26	0.70
26 05 19 16-0658		**#8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0577)*		
26 05 19 16-0659	LF	3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.30	0.61
26 05 19 16-0660	LF	4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	3.58	0.71
26 05 19 16-0661	LF	5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.78	0.71
26 05 19 16-0662		**#6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0577)*		
26 05 19 16-0663	LF	3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	4.63	0.71
26 05 19 16-0664	LF	4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	5.59	0.81
26 05 19 16-0665	LF	5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	6.71	1.02
26 05 19 16-0666		**#4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0577)*		
26 05 19 16-0667	LF	3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	7.34	1.02
26 05 19 16-0668	LF	4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	8.03	1.12
26 05 19 16-0669	LF	5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	9.64	1.22
26 05 19 16-0670		**#2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord** *(26 05 19 16-0577)*		
26 05 19 16-0671	LF	3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	11.26	2.05
26 05 19 16-0672	LF	4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	14.31	2.55
26 05 19 16-0673	LF	5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene)	17.48	3.37
26 05 19 16-0674		**300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0555)*		
26 05 19 16-0675		**#18 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0674)*		
26 05 19 16-0676	LF	2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.26	0.41
26 05 19 16-0677	LF	3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.36	0.41
26 05 19 16-0678	LF	4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.56	0.41
26 05 19 16-0679		**#16 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord** *(26 05 19 16-0674)*		
26 05 19 16-0680	LF	2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.32	0.41
26 05 19 16-0681	LF	3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.49	0.41
26 05 19 16-0682	LF	4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.57	0.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0683		#14 AWG, 300 Volt, Multi-Conductor Type SJOOW Cord *(26 05 19 16-0674)*		
26 05 19 16-0684	LF	2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	1.74	0.41
26 05 19 16-0685	LF	3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	2.43	0.41
26 05 19 16-0686	LF	4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III)	3.07	0.51
26 05 19 16-0687		600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0555)*		
26 05 19 16-0688		#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0687)*		
26 05 19 16-0689	LF	2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.69	0.41
26 05 19 16-0690	LF	3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.98	0.41
26 05 19 16-0691	LF	4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.28	0.41
26 05 19 16-0692		#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0687)*		
26 05 19 16-0693	LF	2 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	1.79	0.41
26 05 19 16-0694	LF	3 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.09	0.41
26 05 19 16-0695	LF	4 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.55	0.41
26 05 19 16-0696	LF	5 Conductors, #16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.77	0.51
26 05 19 16-0697		#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0687)*		
26 05 19 16-0698	LF	3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.16	0.41
26 05 19 16-0699	LF	4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.54	0.41
26 05 19 16-0700	LF	5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.83	0.51
26 05 19 16-0701		#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0687)*		
26 05 19 16-0702	LF	3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.51	0.41
26 05 19 16-0703	LF	4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.85	0.41
26 05 19 16-0704	LF	5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.18	0.51
26 05 19 16-0705		#10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord *(26 05 19 16-0687)*		
26 05 19 16-0706	LF	3 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	2.87	0.51
26 05 19 16-0707	LF	4 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.17	0.51
26 05 19 16-0708	LF	5 Conductors, #10 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III)	3.48	0.51
26 05 19 16-0709		Multi-Conductor Type SEOW Cord *(26 05 19 16-0554)* Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0710		600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0709)*		
26 05 19 16-0711		#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0710)*		
26 05 19 16-0712	LF	3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.33	0.41
26 05 19 16-0713	LF	4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.45	0.41
26 05 19 16-0714	LF	5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.11	0.51
26 05 19 16-0715		#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0710)*		
26 05 19 16-0716	LF	3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.68	0.41
26 05 19 16-0717	LF	4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	1.90	0.41
26 05 19 16-0718	LF	5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.66	0.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0719		#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0710)*		
26 05 19 16-0720	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.04	0.41
26 05 19 16-0721	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.33	0.41
26 05 19 16-0722	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.89	0.51
26 05 19 16-0723		#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord *(26 05 19 16-0710)*		
26 05 19 16-0724	LF	3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.55	0.51
26 05 19 16-0725	LF	4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	2.89	0.51
26 05 19 16-0726	LF	5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord	3.09	0.51
26 05 19 16-0727		Multi-Conductor Type W Cord *(26 05 19 16-0554)*		
		Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
26 05 19 16-0728		2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0727)*		
26 05 19 16-0729		#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0728)*		
26 05 19 16-0730	LF	3 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.59	0.61
26 05 19 16-0731	LF	4 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.85	0.71
26 05 19 16-0732	LF	5 Conductors, #8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.51	0.71
26 05 19 16-0733		#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0728)*		
26 05 19 16-0734	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	3.86	0.71
26 05 19 16-0735	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	4.60	0.81
26 05 19 16-0736	LF	5 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.71	1.02
26 05 19 16-0737		#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord *(26 05 19 16-0728)*		
26 05 19 16-0738	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	5.12	0.71
26 05 19 16-0739	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	6.06	0.81
26 05 19 16-0740	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron)	7.75	1.02
26 05 19 16-0741		Cord Grips, Cable Reels, Extension Cords, And Accessories *(26 05 19 16-0553)*		
26 05 19 16-0742		Cord Grips *(26 05 19 16-0741)*		
26 05 19 16-0743	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel	65.62	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 19 16-0744	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel	66.04	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.55*	
26 05 19 16-0745		Cable Reels *(26 05 19 16-0741)*		
		Note: Includes handling, mounting, electrical connections and installing cord.		
26 05 19 16-0746	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A)	651.02	51.02
26 05 19 16-0747	EA	50', 10-4, SEOOW, Extension Cord Reel (Reelcraft L 7050 104 X 1)	1,830.53	51.02
26 05 19 16-0748	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K)	1,364.28	51.02
26 05 19 16-0749		Extension Cords For Cable Reel *(26 05 19 16-0741)*		
26 05 19 16-0750	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord	205.88	
26 05 19 16-0751	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord	295.97	
26 05 19 16-0752		Plugs And Connector Bodies *(26 05 19 16-0741)*		
		Note: Up to 277 volt		
26 05 19 16-0753		NEMA Twist-Lock Plugs *(26 05 19 16-0752)*		
26 05 19 16-0754	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C)	71.07	
26 05 19 16-0755	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK)	72.62	
26 05 19 16-0756	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C)	66.12	
26 05 19 16-0757	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331)	70.88	
26 05 19 16-0758	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411)	93.18	
26 05 19 16-0759	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441)	99.23	
26 05 19 16-0760	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK)	105.14	
26 05 19 16-0761	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK)	94.08	
26 05 19 16-0762	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK)	108.61	
26 05 19 16-0763	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761)	111.44	
26 05 19 16-0764	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK)	115.04	
26 05 19 16-0765		NEMA Twist-Lock Connector Bodies *(26 05 19 16-0752)*		
26 05 19 16-0766	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C)	75.44	
26 05 19 16-0767	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C)	80.91	
26 05 19 16-0768	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C)	69.40	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0769	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK)	94.08	
26 05 19 16-0770	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK)	110.02	
26 05 19 16-0771	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443)	117.74	
26 05 19 16-0772	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK)	143.70	
26 05 19 16-0773	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK)	137.15	
26 05 19 16-0774	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK)	169.67	
26 05 19 16-0775	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753)	178.28	
26 05 19 16-0776	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK)	168.90	

26 05 19 16-0777 Watertight Pin And Sleeve Plug *(26 05 19 16-0752)*

26 05 19 16-0778	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W)	270.42	30.61
26 05 19 16-0779	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W)	273.45	30.61
26 05 19 16-0780	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W)	297.01	30.61
26 05 19 16-0781	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W)	296.03	33.68
26 05 19 16-0782	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W)	291.46	33.68
26 05 19 16-0783	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W)	292.82	33.68
26 05 19 16-0784	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W)	416.89	37.66
26 05 19 16-0785	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W)	405.51	37.66
26 05 19 16-0786	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W)	454.39	37.66
26 05 19 16-0787	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W)	444.33	41.33
26 05 19 16-0788	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W)	424.57	41.33
26 05 19 16-0789	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W)	438.16	41.33
26 05 19 16-0790	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W)	567.50	48.98
26 05 19 16-0791	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W)	578.34	48.98
26 05 19 16-0792	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W)	552.64	48.98
26 05 19 16-0793	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W)	629.99	54.49
26 05 19 16-0794	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W)	613.13	54.49
26 05 19 16-0795	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W)	620.42	54.49
26 05 19 16-0796	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W)	781.70	61.23
26 05 19 16-0797	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W)	823.56	61.23
26 05 19 16-0798	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W)	799.22	67.35
26 05 19 16-0799	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W)	784.92	67.35
26 05 19 16-0800	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W)	792.64	67.35

26 05 19 16-0801 Watertight Pin And Sleeve Connector *(26 05 19 16-0752)*

26 05 19 16-0802	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W)	287.87	30.61
26 05 19 16-0803	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W)	289.97	30.61
26 05 19 16-0804	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W)	344.22	30.61
26 05 19 16-0805	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W)	339.99	33.68
26 05 19 16-0806	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W)	334.48	33.68
26 05 19 16-0807	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W)	339.46	33.68
26 05 19 16-0808	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W)	427.31	37.66
26 05 19 16-0809	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W)	427.20	37.66
26 05 19 16-0810	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W)	445.91	37.66
26 05 19 16-0811	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W)	439.25	41.33
26 05 19 16-0812	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W)	443.11	41.33
26 05 19 16-0813	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W)	439.04	41.33
26 05 19 16-0814	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W)	674.43	48.98
26 05 19 16-0815	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W)	651.52	48.98
26 05 19 16-0816	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W)	637.86	48.98
26 05 19 16-0817	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W)	693.64	54.49
26 05 19 16-0818	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W)	713.56	54.49
26 05 19 16-0819	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W)	715.02	54.49
26 05 19 16-0820	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W)	898.99	61.23
26 05 19 16-0821	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W)	925.27	61.23
26 05 19 16-0822	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W)	999.26	67.35
26 05 19 16-0823	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W)	963.16	67.35
26 05 19 16-0824	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W)	975.47	67.35

26 05 19 16-0825 Accessories *(26 05 19 16-0741)*

26 05 19 16-0826	EA	1/2" Straight Steel Cord Connector	59.83	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 19 16-0827	EA	1/2" Straight Nylon Cord Connector	35.02	7.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 19 16-0828	EA	1/2" 90 Degree Steel Cord Connector	67.87	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 05 19 16-0829	EA	1/2" 90 Degree Nylon Cord Connector	41.59	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 19 16-0830	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh	66.90	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 05 19 16-0831	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh	119.57	15.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 05 19 16-0832	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh	40.83	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 19 16-0833	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh	71.47	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.66*	
26 05 19 16-0834	EA	3/4" Straight Steel Cord Connector	62.59	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0835		EA	3/4" Straight Nylon Cord Connector	36.40	7.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 19 16-0836		EA	3/4" 90 Degree Steel Cord Connector	76.54	12.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 05 19 16-0837		EA	3/4" 90 Degree Nylon Cord Connector	45.92	10.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 19 16-0838		EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh	74.91	15.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 05 19 16-0839		EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh	89.30	17.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.72*	
26 05 19 16-0840		EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh	48.86	12.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.66*	
26 05 19 16-0841		EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh	59.07	15.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.19*	
26 05 19 16-0842		EA	1" Straight Steel Cord Connector	80.39	10.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 19 16-0843		EA	1" Straight Nylon Cord Connector	45.30	7.65
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 19 16-0844		EA	1" 90 Degree Steel Cord Connector	88.30	12.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 05 19 16-0845		EA	1" 90 Degree Nylon Cord Connector	51.80	10.21
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 19 16-0846		EA	1" Straight Steel Cord Connector With Strain Relief Mesh	93.60	15.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 05 19 16-0847		EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh	101.64	17.86
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.72*	
26 05 19 16-0848		EA	1" Straight Nylon Cord Connector With Strain Relief Mesh	58.34	12.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.66*	
26 05 19 16-0849		EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh	67.09	15.31
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.19*	

26 05 23 Control-Voltage Electrical Power Cables *(26 05)*

26 05 23 00-0001 Cable For HVAC System Controls *(26 05 23)*

26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt *(26 05 23 00-0001)*

Note: For surface or conduit installation.

26 05 23 00-0003		MLF	#20/2 Conductor, Low Volt Thermostat Cable	409.97	118.86
26 05 23 00-0004		MLF	#20/3 Conductor, Low Volt Thermostat Cable	469.48	125.20
26 05 23 00-0005		MLF	#20/4 Conductor, Low Volt Thermostat Cable	509.31	132.37
26 05 23 00-0006		MLF	#20/5 Conductor, Low Volt Thermostat Cable	613.35	137.97
26 05 23 00-0007		MLF	#20/6 Conductor, Low Volt Thermostat Cable	643.29	144.50
26 05 23 00-0008		MLF	#20/7 Conductor, Low Volt Thermostat Cable	708.81	150.50
26 05 23 00-0009		MLF	#20/8 Conductor, Low Volt Thermostat Cable	765.55	156.51
26 05 23 00-0010		MLF	#20/9 Conductor, Low Volt Thermostat Cable	832.16	162.76
26 05 23 00-0011		MLF	#20/10 Conductor, Low Volt Thermostat Cable	896.31	167.65
26 05 23 00-0012		MLF	#18/2 Conductor, Low Volt Thermostat Cable	446.66	118.86
26 05 23 00-0013		MLF	#18/3 Conductor, Low Volt Thermostat Cable	534.94	125.20
26 05 23 00-0014		MLF	#18/4 Conductor, Low Volt Thermostat Cable	613.17	132.37
26 05 23 00-0015		MLF	#18/5 Conductor, Low Volt Thermostat Cable	656.22	137.97
26 05 23 00-0016		MLF	#18/6 Conductor, Low Volt Thermostat Cable	729.41	144.50
26 05 23 00-0017		MLF	#18/7 Conductor, Low Volt Thermostat Cable	748.35	150.50
26 05 23 00-0018		MLF	#18/8 Conductor, Low Volt Thermostat Cable	825.89	156.51
26 05 23 00-0019		MLF	#18/9 Conductor, Low Volt Thermostat Cable	976.95	162.76
26 05 23 00-0020		MLF	#18/10 Conductor, Low Volt Thermostat Cable	1,074.89	167.65

26 05 26 Grounding and Bonding for Electrical Systems *(26 05)*

26 05 26 00-0001 Conductors, Straps And Conduit Jumpers *(26 05 26)*

26 05 26 00-0002 Single Conductor *(26 05 26 00-0001)*

26 05 26 00-0003 Copper Bare Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0004		MLF	12 AWG Copper Bare Single Stranded Conductor	572.11	203.48
26 05 26 00-0005		MLF	10 AWG Copper Bare Single Stranded Conductor	767.49	203.48
26 05 26 00-0006		MLF	8 AWG Copper Bare Single Stranded Conductor	963.70	245.11
26 05 26 00-0007		MLF	6 AWG Copper Bare Single Stranded Conductor	1,348.45	245.11
26 05 26 00-0008		MLF	4 AWG Copper Bare Single Stranded Conductor	1,830.60	295.97
26 05 26 00-0009		MLF	2 AWG Copper Bare Single Stranded Conductor	2,915.14	295.97
26 05 26 00-0010		MLF	1 AWG Copper Bare Single Stranded Conductor	3,383.30	356.09
26 05 26 00-0011		MLF	1/0 AWG Copper Bare Single Stranded Conductor	3,971.86	356.09
26 05 26 00-0012		MLF	2/0 AWG Copper Bare Single Stranded Conductor	5,598.64	448.59
26 05 26 00-0013		MLF	3/0 AWG Copper Bare Single Stranded Conductor	6,918.65	448.59
26 05 26 00-0014		MLF	4/0 AWG Copper Bare Single Stranded Conductor	7,319.02	596.58
26 05 26 00-0015		MLF	250 MCM Copper Bare Single Stranded Conductor	9,434.44	596.58
26 05 26 00-0016		MLF	300 MCM Copper Bare Single Stranded Conductor	9,450.69	689.07
26 05 26 00-0017		MLF	350 MCM Copper Bare Single Stranded Conductor	12,792.95	689.07
26 05 26 00-0018		MLF	500 MCM Copper Bare Single Stranded Conductor	17,499.91	850.93

26 05 26 00-0019 Copper Insulated Single Stranded Conductors *(26 05 26 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor	1,113.45	277.48
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor	1,173.83	277.48
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor	1,516.58	277.48
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor	1,709.68	480.96
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor	2,335.33	480.96
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor	3,329.48	480.96
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor	4,041.20	841.68
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor	4,947.34	841.68
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor	5,824.87	841.68
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor	6,969.90	841.68
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor	8,247.78	1,100.65
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor	10,013.67	1,100.65
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor	11,692.59	1,100.65
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor	13,622.79	1,711.10
26 05 26 00-0034	MLF	500 MCM Copper Insulated Single Stranded Conductor	17,868.58	1,711.10

26 05 26 00-0035 Copper Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0036	MLF	12 AWG Copper Bare Single Solid Conductor	572.11	203.48
26 05 26 00-0037	MLF	10 AWG Copper Bare Single Solid Conductor	767.49	203.48
26 05 26 00-0038	MLF	8 AWG Copper Bare Single Solid Conductor	963.70	245.11
26 05 26 00-0039	MLF	6 AWG Copper Bare Single Solid Conductor	1,348.45	245.11
26 05 26 00-0040	MLF	4 AWG Copper Bare Single Solid Conductor	1,830.60	295.97
26 05 26 00-0041	MLF	2 AWG Copper Bare Single Solid Conductor	2,915.14	295.97
26 05 26 00-0042	MLF	1/0 AWG Copper Bare Single Solid Conductor	3,971.86	356.09
26 05 26 00-0043	MLF	2/0 AWG Copper Bare Single Solid Conductor	5,054.84	448.59
26 05 26 00-0044	MLF	3/0 AWG Copper Bare Single Solid Conductor	6,137.56	448.59
26 05 26 00-0045	MLF	4/0 AWG Copper Bare Single Solid Conductor	7,319.02	471.70

26 05 26 00-0046 Aluminum Bare Single Stranded Conductors *(26 05 26 00-0002)*

26 05 26 00-0047	MLF	8 AWG Aluminum Bare Single Stranded Conductor	773.37	245.11
26 05 26 00-0048	MLF	6 AWG Aluminum Bare Single Stranded Conductor	869.78	245.11
26 05 26 00-0049	MLF	4 AWG Aluminum Bare Single Stranded Conductor	1,020.64	295.97
26 05 26 00-0050	MLF	2 AWG Aluminum Bare Single Stranded Conductor	1,335.79	295.97
26 05 26 00-0051	MLF	1 AWG Aluminum Bare Single Stranded Conductor	1,604.50	356.09
26 05 26 00-0052	MLF	1/0 AWG Aluminum Bare Single Stranded Conductor	1,838.84	356.09
26 05 26 00-0053	MLF	2/0 AWG Aluminum Bare Single Stranded Conductor	2,116.40	448.59
26 05 26 00-0054	MLF	3/0 AWG Aluminum Bare Single Stranded Conductor	2,472.35	448.59
26 05 26 00-0055	MLF	4/0 AWG Aluminum Bare Single Stranded Conductor	2,927.93	596.58
26 05 26 00-0056	MLF	250 MCM Aluminum Bare Single Stranded Conductor	3,329.75	596.58
26 05 26 00-0057	MLF	300 MCM Aluminum Bare Single Stranded Conductor	4,106.58	689.07
26 05 26 00-0058	MLF	350 MCM Aluminum Bare Single Stranded Conductor	4,756.43	689.07
26 05 26 00-0059	MLF	500 MCM Aluminum Bare Single Stranded Conductor	5,564.19	850.93

26 05 26 00-0060 Aluminum Bare Single Solid Conductors *(26 05 26 00-0002)*

26 05 26 00-0061	MLF	8 AWG Aluminum Bare Single Solid Conductor	773.37	245.11
26 05 26 00-0062	MLF	6 AWG Aluminum Bare Single Solid Conductor	869.78	245.11
26 05 26 00-0063	MLF	4 AWG Aluminum Bare Single Solid Conductor	1,020.64	295.97
26 05 26 00-0064	MLF	2 AWG Aluminum Bare Single Solid Conductor	1,335.79	295.97
26 05 26 00-0065	MLF	1 AWG Aluminum Bare Single Solid Conductor	1,567.16	471.70
26 05 26 00-0066	MLF	1/0 AWG Aluminum Bare Single Solid Conductor	1,838.84	471.70
26 05 26 00-0067	MLF	2/0 AWG Aluminum Bare Single Solid Conductor	2,023.94	448.59
26 05 26 00-0068	MLF	3/0 AWG Aluminum Bare Single Solid Conductor	2,286.16	448.59
26 05 26 00-0069	MLF	4/0 AWG Aluminum Bare Single Solid Conductor	2,927.93	596.58
26 05 26 00-0070	MLF	250 MCM Aluminum Bare Single Solid Conductor	3,329.75	596.58
26 05 26 00-0071	MLF	300 MCM Aluminum Bare Single Solid Conductor	4,106.58	689.07
26 05 26 00-0072	MLF	350 MCM Aluminum Bare Single Solid Conductor	4,756.43	689.07
26 05 26 00-0073	MLF	500 MCM Aluminum Bare Single Solid Conductor	5,564.19	850.93

26 05 26 00-0074 Aluminum Smooth Woven Conductors *(26 05 26 00-0002)*

26 05 26 00-0075	LF	10 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.60	0.70
26 05 26 00-0076	LF	16 Strand x 14 AWG Smooth Weave Aluminum Conductor	2.88	0.77
26 05 26 00-0077	LF	24 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.45	0.89
26 05 26 00-0078	LF	26 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.46	0.91
26 05 26 00-0079	LF	28 Strand x 14 AWG Smooth Weave Aluminum Conductor	3.64	0.95

26 05 26 00-0080 Copper Flexible Braid Connector Jumper Strap *(26 05 26 00-0001)*

Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.

26 05 26 00-0081	EA	100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	135.55	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 05 26 00-0082	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	240.86	30.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 05 26 00-0083	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	312.77	30.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 05 26 00-0084	EA	225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	383.71	30.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0085	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	325.78	33.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.96*	
26 05 26 00-0086	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length	429.24	33.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.96*	
26 05 26 00-0087	EA	400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length	519.14	33.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.96*	
26 05 26 00-0088	EA	600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	428.08	42.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.26*	
26 05 26 00-0089	EA	800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length	514.59	51.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	

26 05 26 00-0090 Bonding Jumper For Metallic Conduit *(26 05 26 00-0001)*

26 05 26 00-0091	EA	1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit	170.81	56.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.89*	
26 05 26 00-0092	EA	1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit	210.47	56.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.25*	
26 05 26 00-0093	EA	2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit	318.18	86.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.39*	
26 05 26 00-0094	EA	5" To 6" Conductor, Bonding Jumper, Metallic Conduit	480.84	86.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*56.69*	

26 05 26 00-0095 Ground Rods *(26 05 26)*

26 05 26 00-0096 Copper-Clad Ground Rods *(26 05 26 00-0095)*

26 05 26 00-0097	EA	1/2" Diameter x 8' Long Copper-Clad Ground Rods	89.44	76.53
26 05 26 00-0098	EA	5/8" Diameter x 8' Long Copper-Clad Ground Rods	93.57	76.53
26 05 26 00-0099	EA	3/4" Diameter x 8' Long Copper-Clad Ground Rods	110.24	76.53
26 05 26 00-0100	EA	1/2" Diameter x 10' Long Copper-Clad Ground Rods	105.43	76.53
26 05 26 00-0101	EA	5/8" Diameter x 10' Long Copper-Clad Ground Rods	110.60	76.53
26 05 26 00-0102	EA	3/4" Diameter x 10' Long Copper-Clad Ground Rods	131.43	76.53

26 05 26 00-0103 Copper Grounding Shaft *(26 05 26 00-0095)*

26 05 26 00-0104	EA	2-1/8" Diameter x 10' Long Copper Grounding Shaft	313.25	76.53
26 05 26 00-0105	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 10' Horizontal Copper Grounding Shaft	390.91	76.53
26 05 26 00-0106	EA	2-1/8" Diameter "L" Shaped; 3' Riser x 20' Horizontal Copper Grounding Shaft	612.31	76.53

26 05 26 00-0107 Ground Access Wells *(26 05 26 00-0095)*

26 05 26 00-0108 Precast Ground Access Wells *(26 05 26 00-0107)*

26 05 26 00-0109	EA	8" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	296.63	
26 05 26 00-0110	EA	10" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	307.54	
26 05 26 00-0111	EA	12" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	893.45	
26 05 26 00-0112	EA	18" Diameter x 24" Deep Precast Ground Access Well Note: With cast iron grate.	904.36	

26 05 26 00-0113 Polyvinyl Chloride (PVC) Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0114	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	582.72	
26 05 26 00-0115	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	709.66	
26 05 26 00-0116	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with cast iron grated cover.	1,560.63	
26 05 26 00-0117	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	441.93	
26 05 26 00-0118	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	534.56	
26 05 26 00-0119	EA	18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well Note: Schedule 40 with flat steel cover.	1,396.19	
26 05 26 00-0120	EA	8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	254.29	
26 05 26 00-0121	EA	10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	349.65	
26 05 26 00-0122	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well Note: Schedule 40 with flat steel cover.	416.26	
26 05 26 00-0123	EA	8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	206.97	
26 05 26 00-0124	EA	10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover	322.44	
26 05 26 00-0125	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	482.42	
26 05 26 00-0126	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with flat steel cover.	665.33	
26 05 26 00-0127	EA	8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	462.31	
26 05 26 00-0128	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well Note: Schedule 40 with plastic cover.	497.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0129	EA	10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	890.31	
26 05 26 00-0130	EA	10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	1,124.35	
26 05 26 00-0131	EA	12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	495.17	
26 05 26 00-0132	EA	12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	675.35	
26 05 26 00-0133	EA	12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well Note: With cast iron cover, heavy-duty.	667.43	

26 05 26 00-0134 Polymer Concrete Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0135	EA	12" x 12" x 12" Polymer Concrete Ground Access Well	563.57	
26 05 26 00-0136	EA	12" x 12" x 12" Heavy-Duty Polymer Concrete Ground Access Well	618.31	
26 05 26 00-0137	EA	12" x 12" x 18" Polymer Concrete Ground Access Well	621.04	
26 05 26 00-0138	EA	12" x 12" x 18" Heavy-Duty Polymer Concrete Ground Access Well	681.27	
26 05 26 00-0139	EA	12" x 12" x 24" Polymer Concrete Ground Access Well	680.71	
26 05 26 00-0140	EA	12" x 12" x 24" Heavy-Duty Polymer Concrete Ground Access Well	746.94	
26 05 26 00-0141	EA	13" x 24" x 18" Polymer Concrete Ground Access Well	908.43	
26 05 26 00-0142	EA	13" x 24" x 18" Heavy-Duty Polymer Concrete Ground Access Well	998.77	

26 05 26 00-0143 High-Density Polyethylene (HDPE) Ground Access Well *(26 05 26 00-0107)*

26 05 26 00-0144	EA	9" Diameter x 10" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	205.07	
26 05 26 00-0145	EA	14" Diameter x 18" Deep High-Density Polyethylene (HDPE) Ground Access Well Note: With cover.	285.90	

26 05 26 00-0146 Clay Tile Ground Access Wells *(26 05 26 00-0107)*

26 05 26 00-0147	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover	324.13	
26 05 26 00-0148	EA	8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover	340.89	
26 05 26 00-0149	EA	Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well	103.54	

26 05 26 00-0150 Ground Rod Clamps And Fittings *(26 05 26)*

26 05 26 00-0151 Bronze Ground Rod Clamp *(26 05 26 00-0150)*

26 05 26 00-0152	EA	1/2" Bronze Ground Rod Clamp	21.16	11.53
26 05 26 00-0153	EA	5/8" Bronze Ground Rod Clamp	22.20	11.53
26 05 26 00-0154	EA	3/4" Bronze Ground Rod Clamp	23.68	11.53

26 05 26 00-0155 Bronze Pipe Clamps *(26 05 26 00-0150)*

26 05 26 00-0156	EA	1/2" To 1" Diameter, Bronze Pipe Ground Clamps	27.31	19.18
26 05 26 00-0157	EA	1-1/4" To 2" Diameter, Bronze Ground Clamps For Pipe	34.61	22.96
26 05 26 00-0158	EA	2-1/2" To 3" Diameter, Bronze Ground Clamps For Pipe	50.73	26.84
26 05 26 00-0159	EA	2-1/2" To 4" Diameter, Bronze Ground Clamps For Pipe	62.23	34.49
26 05 26 00-0160	EA	4" To 6" Diameter, Bronze Ground Clamps For Pipe	94.94	49.80

26 05 26 00-0161 Grounding Fittings *(26 05 26 00-0150)*

26 05 26 00-0162 Embedded Fittings *(26 05 26 00-0161)*

26 05 26 00-0163	EA	Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	142.54	
26 05 26 00-0164	EA	Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded	151.97	
26 05 26 00-0165	EA	Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded	168.71	
26 05 26 00-0166	EA	#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice	135.75	
26 05 26 00-0167	EA	1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice	162.63	
26 05 26 00-0168	EA	4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice	190.88	
26 05 26 00-0169	EA	350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice	215.38	

26 05 26 00-0170 Ground Rod Receptacle *(26 05 26 00-0161)*

26 05 26 00-0171	EA	1/2" Ground Rod Receptacle	308.37	106.13
26 05 26 00-0172	EA	5/8" Ground Rod Receptacle	322.70	109.12
26 05 26 00-0173	EA	3/4" Ground Rod Receptacle	337.36	112.08

26 05 26 00-0174 Ground Kits For Circuit Breaker Panels *(26 05 26 00-0161)*

26 05 26 00-0175	EA	14-8 AWG Copper Ground Kit	68.79	25.51
26 05 26 00-0176	EA	12-8 AWG Aluminum Ground Kit	59.66	25.51
26 05 26 00-0177	EA	14-4 AWG Copper Ground Kit	76.72	25.51
26 05 26 00-0178	EA	12-4 AWG Aluminum Ground Kit	65.71	25.51

26 05 26 00-0179 Insulated Grounding Bars *(26 05 26 00-0150)*

26 05 26 00-0180	EA	1/2" x 4" x 10" Insulated Ground Bar	292.60	25.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0181	EA	Insulated Ground Bar SK 9560 1/2" x 4" x 20"	307.92	25.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.92*	

26 05 26 00-0182 Ground Conductor Bonding *(26 05 26)*

26 05 26 00-0183 Ground Conductor Bonding *(26 05 26 00-0182)*

26 05 26 00-0184 Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld *(26 05 26 00-0183)*

26 05 26 00-0185	EA	Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	122.52	
26 05 26 00-0186	EA	#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	132.72	
26 05 26 00-0187	EA	1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	142.93	
26 05 26 00-0188	EA	250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel Note: Includes molds, materials and all necessary tools to make connections.	204.15	

26 05 26 00-0189 Tee, Wye Or Cross Cadweld *(26 05 26 00-0183)*

26 05 26 00-0190	EA	Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	137.83	
26 05 26 00-0191	EA	#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	158.23	
26 05 26 00-0192	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	193.95	
26 05 26 00-0193	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross Note: Includes molds, materials and all necessary tools to make connections.	234.76	

26 05 26 00-0194 Grounding Equipment *(26 05 26)*

26 05 26 00-0195 Special Grounding Equipment *(26 05 26 00-0194)*

26 05 26 00-0196 Ground Reels And Ground Bus *(26 05 26 00-0195)*

26 05 26 00-0197	EA	Ground Reel With 50' Of Galvanized Steel Cable	699.91	

26 05 26 00-0198 Copper Bars *(26 05 26 00-0195)*

26 05 26 00-0199	LF	1/4" x 2" Copper Bar	40.18	

26 05 26 00-0200 Phenolic Insulators *(26 05 26 00-0195)*

26 05 26 00-0201	EA	2" x 2" x 1" Long Phenolic Insulators	27.52	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	

26 05 26 00-0202 Grounding Studs *(26 05 26 00-0195)*

26 05 26 00-0203	EA	Ball Grounding Stud	39.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.14*	

26 05 26 00-0204 Equipment Ground Bar Kits *(26 05 26 00-0195)*

26 05 26 00-0205	EA	Switch Rating 30 Ground Bar Kit	31.07	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 26 00-0206	EA	Switch Rating 60 Ground Bar Kit	40.00	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 05 26 00-0207	EA	Switch Rating 100 Ground Bar Kit	46.67	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 05 26 00-0208	EA	Switch Rating 200 Ground Bar Kit	82.12	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	

26 05 26 00-0209 Panelboard Ground Bar Kits *(26 05 26 00-0195)*

26 05 26 00-0210	EA	Panelboard Ground Bar Kit	120.65	7.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	

26 05 26 00-0211 Circuit Breaker Ground Bar Kits *(26 05 26 00-0195)*

26 05 26 00-0212	EA	3 Circuit, Ground Bar Kit	25.97	4.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 26 00-0213	EA	4 Circuit, Ground Bar Kit	25.48	4.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 26 00-0214	EA	7 Circuit, Ground Bar Kit	26.30	4.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 26 00-0215	EA	12 Circuit, Ground Bar Kit	29.82	5.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.21*	
26 05 26 00-0216	EA	20 Circuit, Ground Bar Kit	33.99	5.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.82*	
26 05 26 00-0217	EA	24 Circuit, Ground Bar Kit	37.51	6.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0218	EA	30 Circuit, Ground Bar Kit	41.88	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.35*	
26 05 26 00-0219	EA	54 Circuit, Ground Bar Kit	48.43	8.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	
26 05 26 00-0220	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	54.07	6.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 26 00-0221	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	59.76	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.35*	
26 05 26 00-0222	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug	66.47	8.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.57*	

26 05 29 Hangers and Supports for Electrical Systems *(26 05)*

26 05 29 00-0001 Metal Framing Channel And Fittings *(26 05 29)*

See CSI section 05 43 00 00-0001 for additional unistrut fittings.

26 05 29 00-0002 Metal Framing Channel *(26 05 29 00-0001)*

Note: Excludes fasteners and accessories.

26 05 29 00-0003 Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0004	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	17.91	5.60
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0005	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	26.49	7.46
		For Galvanizing, Add	*1.97*	
		For Powder Coating, Add	*1.74*	
26 05 29 00-0006	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	35.08	8.86
		For Galvanizing, Add	*2.95*	
		For Powder Coating, Add	*2.61*	
26 05 29 00-0007	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	43.68	10.25
		For Galvanizing, Add	*3.94*	
		For Powder Coating, Add	*3.48*	
26 05 29 00-0008	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel	10.00	2.11
		For Galvanizing, Add	*0.98*	
		For Powder Coating, Add	*0.87*	
26 05 29 00-0009	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	19.69	5.60
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0010	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	30.05	7.46
		For Galvanizing, Add	*2.57*	
		For Powder Coating, Add	*2.27*	
26 05 29 00-0011	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	40.41	8.86
		For Galvanizing, Add	*3.86*	
		For Powder Coating, Add	*3.41*	
26 05 29 00-0012	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	50.78	10.25
		For Galvanizing, Add	*5.15*	
		For Powder Coating, Add	*4.54*	
26 05 29 00-0013	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel	11.78	2.11
		For Galvanizing, Add	*1.29*	
		For Powder Coating, Add	*1.14*	
26 05 29 00-0014	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	21.54	5.61
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0015	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	33.73	7.46
		For Galvanizing, Add	*3.20*	
		For Powder Coating, Add	*2.82*	
26 05 29 00-0016	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	45.95	8.86
		For Galvanizing, Add	*4.80*	
		For Powder Coating, Add	*4.24*	
26 05 29 00-0017	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	58.16	10.25
		For Galvanizing, Add	*6.40*	
		For Powder Coating, Add	*5.65*	
26 05 29 00-0018	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel	13.62	2.11
		For Galvanizing, Add	*1.60*	
		For Powder Coating, Add	*1.41*	
26 05 29 00-0019	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	20.92	5.61
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0020	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	32.48	7.46
		For Galvanizing, Add	*2.99*	
		For Powder Coating, Add	*2.64*	
26 05 29 00-0021	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	44.07	8.86
		For Galvanizing, Add	*4.48*	
		For Powder Coating, Add	*3.95*	
26 05 29 00-0022	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	55.66	10.25
		For Galvanizing, Add	*5.98*	
		For Powder Coating, Add	*5.27*	
26 05 29 00-0023	LF	>4' Cut Lengths x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel	13.00	2.11
		For Galvanizing, Add	*1.49*	
		For Powder Coating, Add	*1.32*	
26 05 29 00-0024	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	20.51	5.61
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0025	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	31.67	7.46
		For Galvanizing, Add	*2.85*	
		For Powder Coating, Add	*2.51*	
26 05 29 00-0026	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	42.86	8.86
		For Galvanizing, Add	*4.28*	
		For Powder Coating, Add	*3.77*	
26 05 29 00-0027	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	54.04	10.25
		For Galvanizing, Add	*5.70*	
		For Powder Coating, Add	*5.03*	
26 05 29 00-0028	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel	12.59	2.11
		For Galvanizing, Add	*1.42*	
		For Powder Coating, Add	*1.26*	

26 05 29 00-0029 Stainless Steel Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0030 304 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0031	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	31.20	5.61
26 05 29 00-0032	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	53.04	7.46
26 05 29 00-0033	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	74.91	8.86
26 05 29 00-0034	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	96.78	10.25
26 05 29 00-0035	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	23.28	2.11
26 05 29 00-0036	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	34.70	5.61
26 05 29 00-0037	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	60.05	7.46
26 05 29 00-0038	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	85.42	8.86
26 05 29 00-0039	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	110.79	10.25
26 05 29 00-0040	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel	26.78	2.11
26 05 29 00-0041	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	35.86	5.61
26 05 29 00-0042	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	62.37	7.46
26 05 29 00-0043	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	88.89	8.86
26 05 29 00-0044	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	115.42	10.25
26 05 29 00-0045	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	27.94	2.11
26 05 29 00-0046	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	41.90	5.61
26 05 29 00-0047	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	74.44	7.46
26 05 29 00-0048	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	107.01	8.86
26 05 29 00-0049	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	139.57	10.25
26 05 29 00-0050	LF	>4' Cut Lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel	33.98	2.11

26 05 29 00-0051 316 Stainless Steel Unistrut Channel *(26 05 29 00-0029)*

26 05 29 00-0052	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	46.31	5.61
26 05 29 00-0053	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	83.27	7.46
26 05 29 00-0054	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	120.26	8.86
26 05 29 00-0055	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	157.24	10.25
26 05 29 00-0056	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel	38.39	2.11

26 05 29 00-0057 Aluminum Unistrut Channel *(26 05 29 00-0002)*

26 05 29 00-0058	EA	Up To 1' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	16.87	5.60
26 05 29 00-0059	EA	>1' To 2' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	24.41	7.46
26 05 29 00-0060	EA	>2' To 3' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	31.96	8.86
26 05 29 00-0061	EA	>3' To 4' Cut Length x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	39.51	10.25
26 05 29 00-0062	LF	>4' Cut Lengths x 1-5/8" Wide x 13/16" High, 14 Gauge, Aluminum Unistrut Channel	8.96	2.11
26 05 29 00-0063	EA	Up To 1' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	19.97	5.60
26 05 29 00-0064	EA	>1' To 2' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	30.62	7.46
26 05 29 00-0065	EA	>2' To 3' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	41.27	8.86
26 05 29 00-0066	EA	>3' To 4' Cut Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	51.93	10.25
26 05 29 00-0067	LF	>4' Cut lengths x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Aluminum Unistrut Channel	12.06	2.11

26 05 29 00-0068 Metal Framing Channel Fittings *(26 05 29 00-0001)*

26 05 29 00-0069 Unistrut Channel Closure Strips And Caps *(26 05 29 00-0068)*

26 05 29 00-0070 Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*

26 05 29 00-0071	LF	Steel Raceway Closure Strip, Unistrut Channel Fittings	7.46	0.51
26 05 29 00-0072	EA	Steel End Cap, Unistrut Channel Fittings	5.08	1.28

26 05 29 00-0073 Stainless Steel Unistrut Channel Closure Strips And Caps *(26 05 29 00-0069)*

26 05 29 00-0074	EA	Stainless Steel End Cap For Unistrut Channel	11.59	1.28

26 05 29 00-0075 Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0068)*

26 05 29 00-0076 Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*

26 05 29 00-0077	EA	2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.08	
26 05 29 00-0078	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	7.03	
26 05 29 00-0079	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting	8.70	

26 05 29 00-0080 Stainless Steel Flat Splice Plate, Unistrut Channel Fittings *(26 05 29 00-0075)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0081	EA	2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	16.71	
26 05 29 00-0082	EA	3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	24.93	
26 05 29 00-0083	EA	4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting	31.88	
26 05 29 00-0084		90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0085		Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0086	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting	6.83	
26 05 29 00-0087	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting	5.62	
26 05 29 00-0088	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.16	
26 05 29 00-0089	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting	10.01	
26 05 29 00-0090		Stainless Steel 90 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0084)*		
26 05 29 00-0091	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	9.52	
26 05 29 00-0092	EA	2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	11.93	
26 05 29 00-0093	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	10.10	
26 05 29 00-0094	EA	2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	14.39	
26 05 29 00-0095	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.14	
26 05 29 00-0096	EA	3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	24.36	
26 05 29 00-0097	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting	13.82	
26 05 29 00-0098	EA	3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting	20.11	
26 05 29 00-0099		60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0100		Steel 60 Degree Angle, Unistrut Channel Fittings *(26 05 29 00-0099)*		
26 05 29 00-0101	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting	14.81	
26 05 29 00-0102		U-Connector, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0103		Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0104	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting	4.82	
26 05 29 00-0105	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting	5.45	
26 05 29 00-0106		Stainless Steel, U-Connector, Unistrut Channel Fittings *(26 05 29 00-0102)*		
26 05 29 00-0107	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting	19.96	
26 05 29 00-0108		Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0109		Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0110	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting	15.22	
26 05 29 00-0111		Stainless Steel Z-Bracket, Unistrut Channel Fittings *(26 05 29 00-0108)*		
26 05 29 00-0112	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting	38.94	
26 05 29 00-0113		Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0068)* Note: Includes hex screw and nut.		
26 05 29 00-0114		Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0115	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.85	1.54
26 05 29 00-0116	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	4.88	1.54
26 05 29 00-0117	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	5.02	1.54
26 05 29 00-0118	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.24	2.05
26 05 29 00-0119	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	6.97	2.05
26 05 29 00-0120	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.05	2.05
26 05 29 00-0121	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.59	2.55
26 05 29 00-0122	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.23	2.55
26 05 29 00-0123	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.86	2.55
26 05 29 00-0124	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	10.08	2.55
26 05 29 00-0125		304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)* Note: Includes hex screw and nut.		
26 05 29 00-0126	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	7.47	1.54
26 05 29 00-0127	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.38	1.54
26 05 29 00-0128	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.30	1.54
26 05 29 00-0129	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.53	2.05
26 05 29 00-0130	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.08	2.05
26 05 29 00-0131	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	14.75	2.05
26 05 29 00-0132	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	17.67	2.55
26 05 29 00-0133	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.94	2.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0134	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.91	2.55
26 05 29 00-0135	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	24.50	2.55
26 05 29 00-0136		316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel *(26 05 29 00-0113)*		
		Note: Includes hex screw and nut.		
26 05 29 00-0137	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	8.03	1.54
26 05 29 00-0138	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.32	1.54
26 05 29 00-0139	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	9.69	1.54
26 05 29 00-0140	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	11.71	2.05
26 05 29 00-0141	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.16	2.05
26 05 29 00-0142	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	16.39	2.05
26 05 29 00-0143	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	19.39	2.55
26 05 29 00-0144	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	20.54	2.55
26 05 29 00-0145	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	28.74	2.55
26 05 29 00-0146	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel	33.75	2.55
26 05 29 00-0147		Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0148		Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0149	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting	37.42	9.32
26 05 29 00-0150	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings	22.96	9.32
26 05 29 00-0151	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting	35.96	9.32
26 05 29 00-0152		304 Stainless Steel Beam Clamps, Unistrut Channel Fittings *(26 05 29 00-0147)*		
26 05 29 00-0153	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting	45.77	9.32
26 05 29 00-0154		Square Washers For Unistrut Channel *(26 05 29 00-0068)*		
26 05 29 00-0155		Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0156	EA	1/2" Bolt Size, Steel, Square Washer For Unistrut Channel	4.92	
26 05 29 00-0157		Stainless Steel Square Washers For Unistrut Channel *(26 05 29 00-0154)*		
26 05 29 00-0158	EA	1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel	4.69	
26 05 29 00-0159	EA	1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel	5.94	
26 05 29 00-0160		Strut Braces, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0161	EA	16" Diagonal Steel Bar Brace For Unistrut Channel	42.91	
26 05 29 00-0162		Trolley Hangers, Unistrut Channel Fittings *(26 05 29 00-0068)*		
26 05 29 00-0163	EA	Steel Trolley Track Hanger For Unistrut Channel	53.03	
26 05 29 00-0164		Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		
26 05 29 00-0165		Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0166	EA	1/4-20, Steel Lock Nut With Spring For Unistrut Channel	7.60	
26 05 29 00-0167	EA	3/8-16, Steel Lock Nut With Spring For Unistrut Channel	8.48	
26 05 29 00-0168	EA	1/2-13, Steel Lock Nut With Spring For Unistrut Channel	9.15	
26 05 29 00-0169	EA	5/8-11, Steel Lock Nut With Spring For Unistrut Channel	12.72	
26 05 29 00-0170		Stainless Steel Lock Nuts With Spring For Unistrut Channel *(26 05 29 00-0164)*		
		Note: Includes hex bolt.		
26 05 29 00-0171	EA	1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	14.54	
26 05 29 00-0172	EA	3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	15.46	
26 05 29 00-0173	EA	1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	21.44	
26 05 29 00-0174	EA	5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel	35.39	
26 05 29 00-0175		Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0068)*		
		Note: Includes hex bolt.		
26 05 29 00-0176		Steel Lock Nuts Without Spring For Unistrut Channel *(26 05 29 00-0175)*		
		Note: Includes hex bolt.		
26 05 29 00-0177	EA	1/4-20, Steel Lock Nut Without Spring For Unistrut Channel	7.63	
26 05 29 00-0178	EA	3/8-16, Steel Lock Nut Without Spring For Unistrut Channel	8.61	
26 05 29 00-0179	EA	1/2-13, Steel Lock Nut Without Spring For Unistrut Channel	9.20	
26 05 29 00-0180	EA	5/8-11, Steel Lock Nut Without Spring For Unistrut Channel	13.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0181		**Stainless Steel Lock Nuts Without Spring For Unistrut Channel** *(26 05 29 00-0175)*		
		Note: Includes hex bolt.		
26 05 29 00-0182	EA	1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	10.78	
26 05 29 00-0183	EA	3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	12.80	
26 05 29 00-0184	EA	1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	13.95	
26 05 29 00-0185	EA	5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel	34.51	
26 05 29 00-0186		**Mounting Assemblies** *(26 05 29)*		
26 05 29 00-0187		**Galvanized Steel Mounting Assemblies** *(26 05 29 00-0186)*		
26 05 29 00-0188		**Galvanized Steel Back Plate** *(26 05 29 00-0187)*		
26 05 29 00-0189	EA	1/4" x 4' x 4', Galvanized Steel Back Plate, Painted	537.03	61.23
26 05 29 00-0190	EA	3/8" x 14" x 16", Galvanized Steel Back Plate, Painted	129.26	20.41
26 05 29 00-0191	EA	3/16" x 30" x 48", Galvanized Steel Back Plate, Painted	327.75	51.02
26 05 29 00-0192		**Aluminum Mounting Assemblies** *(26 05 29 00-0186)*		
26 05 29 00-0193		**Aluminum Back Plate** *(26 05 29 00-0192)*		
26 05 29 00-0194	EA	3/16" x 2' x 2' Aluminum Back Plate	429.51	76.53
26 05 29 00-0195	EA	3/16" x 4' x 4' Aluminum Back Plate	1,271.96	76.53
26 05 29 00-0196		**Supports** *(26 05 29)*		
26 05 29 00-0197		**One Hole Steel Conduit Straps** *(26 05 29 00-0196)*		
26 05 29 00-0198	EA	1/2", One Hole Steel Conduit Strap	3.85	
		For >100 To 250, Deduct	*-0.36*	
		For >500, Deduct	*-1.04*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0199	EA	3/4", One Hole Steel Conduit Strap	3.91	
		For >100 To 250, Deduct	*-0.36*	
		For >500, Deduct	*-1.05*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0200	EA	1", One Hole Steel Conduit Strap	4.21	
		For >100 To 250, Deduct	*-0.37*	
		For >500, Deduct	*-1.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0201	EA	1-1/4", One Hole Steel Conduit Strap	4.43	
		For >100 To 250, Deduct	*-0.39*	
		For >500, Deduct	*-1.10*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0202	EA	1-1/2", One Hole Steel Conduit Strap	4.58	
		For >100 To 250, Deduct	*-0.39*	
		For >500, Deduct	*-1.11*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0203	EA	2", One Hole Steel Conduit Strap	5.49	
		For >100 To 250, Deduct	*-0.44*	
		For >500, Deduct	*-1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0204	EA	2-1/2", One Hole Steel Conduit Strap	6.42	
		For >100 To 250, Deduct	*-0.48*	
		For >500, Deduct	*-1.30*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0205	EA	3", One Hole Steel Conduit Strap	6.73	
		For >100 To 250, Deduct	*-0.50*	
		For >500, Deduct	*-1.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0206	EA	3-1/2", One Hole Steel Conduit Strap	8.25	
		For >100 To 250, Deduct	*-0.58*	
		For >500, Deduct	*-1.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0207	EA	4", One Hole Steel Conduit Strap	9.47	
		For >100 To 250, Deduct	*-0.64*	
		For >500, Deduct	*-1.60*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-1.12*	
		For Work In Restricted Working Space, Add	*0.98*	

26 05 29 00-0208 One Hole Iron Conduit Straps *(26 05 29 00-0196)*

26 05 29 00-0209	EA	1/2", One Hole Iron Conduit Strap	4.00	
		For >100 To 250, Deduct	*-0.36*	
		For >500, Deduct	*-1.05*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0210	EA	3/4", One Hole Iron Conduit Strap	4.15	
		For >100 To 250, Deduct	*-0.37*	
		For >500, Deduct	*-1.07*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0211	EA	1", One Hole Iron Conduit Strap	4.41	
		For >100 To 250, Deduct	*-0.38*	
		For >500, Deduct	*-1.10*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0212	EA	1-1/4", One Hole Iron Conduit Strap	5.04	
		For >100 To 250, Deduct	*-0.42*	
		For >500, Deduct	*-1.16*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0213	EA	1-1/2", One Hole Iron Conduit Strap	5.30	
		For >100 To 250, Deduct	*-0.43*	
		For >500, Deduct	*-1.18*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0214	EA	2", One Hole Iron Conduit Strap	6.90	
		For >100 To 250, Deduct	*-0.51*	
		For >500, Deduct	*-1.34*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0215	EA	2-1/2", One Hole Iron Conduit Strap	10.35	
		For >100 To 250, Deduct	*-0.68*	
		For >500, Deduct	*-1.69*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0216	EA	3", One Hole Iron Conduit Strap	13.23	
		For >100 To 250, Deduct	*-0.83*	
		For >500, Deduct	*-1.98*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.41*	
		For >250 To 500, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0217	EA	3-1/2", One Hole Iron Conduit Strap	17.44	
		For >100 To 250, Deduct	*-1.04*	
		For >500, Deduct	*-2.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.52*	
		For >250 To 500, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0218	EA	4", One Hole Iron Conduit Strap	34.28	
		For >100 To 250, Deduct	*-1.88*	
		For >500, Deduct	*-4.08*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.94*	
		For >250 To 500, Deduct	*-2.98*	
		For Work In Restricted Working Space, Add	*0.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0219	EA	5", One Hole Iron Conduit Strap	43.33	
		For >100 To 250, Deduct	*-2.33*	
		For >500, Deduct	*-4.99*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-1.17*	
		For >250 To 500, Deduct	*-3.66*	
		For Work In Restricted Working Space, Add	*0.98*	
26 05 29 00-0220		Two Hole Steel Conduit Straps *(26 05 29 00-0196)*		
26 05 29 00-0221	EA	1/2", Two Hole Steel Conduit Strap	4.48	
		For >100 To 250, Deduct	*-0.41*	
		For >500, Deduct	*-1.18*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0222	EA	3/4", Two Hole Steel Conduit Strap	4.58	
		For >100 To 250, Deduct	*-0.41*	
		For >500, Deduct	*-1.19*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.80*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0223	EA	1", Two Hole Steel Conduit Strap	4.63	
		For >100 To 250, Deduct	*-0.42*	
		For >500, Deduct	*-1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0224	EA	1-1/4", Two Hole Steel Conduit Strap	4.70	
		For >100 To 250, Deduct	*-0.42*	
		For >500, Deduct	*-1.20*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0225	EA	1-1/2", Two Hole Steel Conduit Strap	4.75	
		For >100 To 250, Deduct	*-0.42*	
		For >500, Deduct	*-1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0226	EA	2", Two Hole Steel Conduit Strap	4.88	
		For >100 To 250, Deduct	*-0.43*	
		For >500, Deduct	*-1.22*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0227	EA	2-1/2", Two Hole Steel Conduit Strap	5.57	
		For >100 To 250, Deduct	*-0.46*	
		For >500, Deduct	*-1.29*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.88*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0228	EA	3", Two Hole Steel Conduit Strap	5.72	
		For >100 To 250, Deduct	*-0.47*	
		For >500, Deduct	*-1.31*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0229	EA	3-1/2", Two Hole Steel Conduit Strap	6.26	
		For >100 To 250, Deduct	*-0.50*	
		For >500, Deduct	*-1.36*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0230	EA	4", Two Hole Steel Conduit Strap	6.64	
		For >100 To 250, Deduct	*-0.52*	
		For >500, Deduct	*-1.40*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.96*	
		For Work In Restricted Working Space, Add	*1.10*	
26 05 29 00-0231	EA	5", Two Hole Steel Conduit Strap	7.13	
		For >100 To 250, Deduct	*-0.54*	
		For >500, Deduct	*-1.45*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.99*	
		For Work In Restricted Working Space, Add	*1.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0232		Clamp Back Spacers *(26 05 29 00-0196)*		
26 05 29 00-0233	EA	1/2" Conduit, Clamp Back Spacer	3.71	
		For >100 To 250, Deduct	*-0.31*	
		For >500, Deduct	*-0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0234	EA	3/4" Conduit, Clamp Back Spacer	4.09	
		For >100 To 250, Deduct	*-0.33*	
		For >500, Deduct	*-0.92*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.17*	
		For >250 To 500, Deduct	*-0.63*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0235	EA	1" Conduit, Clamp Back Spacer	4.45	
		For >100 To 250, Deduct	*-0.35*	
		For >500, Deduct	*-0.96*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0236	EA	1-1/4" Conduit, Clamp Back Spacer	5.86	
		For >100 To 250, Deduct	*-0.42*	
		For >500, Deduct	*-1.10*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0237	EA	1-1/2" Conduit, Clamp Back Spacer	6.99	
		For >100 To 250, Deduct	*-0.48*	
		For >500, Deduct	*-1.21*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0238	EA	2" Conduit, Clamp Back Spacer	8.18	
		For >100 To 250, Deduct	*-0.54*	
		For >500, Deduct	*-1.33*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0239	EA	2-1/2" Conduit, Clamp Back Spacer	13.01	
		For >100 To 250, Deduct	*-0.78*	
		For >500, Deduct	*-1.81*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.39*	
		For >250 To 500, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0240	EA	3" Conduit, Clamp Back Spacer	18.78	
		For >100 To 250, Deduct	*-1.07*	
		For >500, Deduct	*-2.39*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.53*	
		For >250 To 500, Deduct	*-1.73*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0241	EA	3-1/2" Conduit, Clamp Back Spacer	24.39	
		For >100 To 250, Deduct	*-1.35*	
		For >500, Deduct	*-2.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-0.67*	
		For >250 To 500, Deduct	*-2.15*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0242	EA	4" Conduit, Clamp Back Spacer	50.69	
		For >100 To 250, Deduct	*-2.66*	
		For >500, Deduct	*-5.58*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-1.33*	
		For >250 To 500, Deduct	*-4.12*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0243	EA	5" Conduit, Clamp Back Spacer	95.11	
		For >100 To 250, Deduct	*-4.88*	
		For >500, Deduct	*-10.02*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.74*	
		For >50 To 100, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-7.45*	
		For Work In Restricted Working Space, Add	*0.77*	
26 05 29 00-0244		Conduit Clips *(26 05 29 00-0196)*		
		Note: Push in or clip.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0245	EA	1/2" Conduit Clip	4.47	
		For >100 To 250, Deduct	*-0.39*	
		For >500, Deduct	*-1.10*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.74*	
26 05 29 00-0246	EA	3/4" Conduit Clip	4.47	
		For >100 To 250, Deduct	*-0.39*	
		For >500, Deduct	*-1.10*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.74*	
26 05 29 00-0247	EA	1" Conduit Clip	4.38	
		For >100 To 250, Deduct	*-0.38*	
		For >500, Deduct	*-1.09*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.74*	
26 05 29 00-0248	EA	1-1/4" Conduit Clip	4.60	
		For >100 To 250, Deduct	*-0.39*	
		For >500, Deduct	*-1.11*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.92*	
		For >50 To 100, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.75*	

26 05 29 00-0249 Bolt And Nut Conduit Clips *(26 05 29 00-0196)*

26 05 29 00-0250	EA	3/4" Bolt And Nut Conduit Clip (Minerallac 1B)	5.54	
		For >100 To 250, Deduct	*-0.48*	
		For >500, Deduct	*-1.37*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.93*	
26 05 29 00-0251	EA	1" Bolt And Nut Conduit Clip (Minerallac 2B)	5.77	
		For >100 To 250, Deduct	*-0.49*	
		For >500, Deduct	*-1.39*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.12*	
		For >50 To 100, Deduct	*-0.25*	
		For >250 To 500, Deduct	*-0.94*	
26 05 29 00-0252	EA	1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B)	6.16	
		For >100 To 250, Deduct	*-0.53*	
		For >500, Deduct	*-1.48*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.19*	
		For >50 To 100, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-1.00*	
26 05 29 00-0253	EA	1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B)	6.29	
		For >100 To 250, Deduct	*-0.53*	
		For >500, Deduct	*-1.50*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.19*	
		For >50 To 100, Deduct	*-0.27*	
		For >250 To 500, Deduct	*-1.01*	
26 05 29 00-0254	EA	2" Bolt And Nut Conduit Clip (Minerallac 5B)	7.17	
		For >100 To 250, Deduct	*-0.58*	
		For >500, Deduct	*-1.59*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.19*	
		For >50 To 100, Deduct	*-0.29*	
		For >250 To 500, Deduct	*-1.08*	
26 05 29 00-0255	EA	2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B)	7.80	
		For >100 To 250, Deduct	*-0.62*	
		For >500, Deduct	*-1.70*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For >50 To 100, Deduct	*-0.31*	
		For >250 To 500, Deduct	*-1.16*	
26 05 29 00-0256	EA	3" Bolt And Nut Conduit Clip (Minerallac 7B)	8.59	
		For >100 To 250, Deduct	*-0.66*	
		For >500, Deduct	*-1.78*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.25*	
		For >50 To 100, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-1.22*	
26 05 29 00-0257	EA	4" Bolt And Nut Conduit Clip (Minerallac 9B)	16.51	
		For >100 To 250, Deduct	*-1.08*	
		For >500, Deduct	*-2.67*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For >50 To 100, Deduct	*-0.54*	
		For >250 To 500, Deduct	*-1.88*	

26 05 29 00-0258 Conduit Hanger From Flange, Wire Or Rod *(26 05 29 00-0196)*

Note: Bat wing.

26 05 29 00-0259	EA	1/2", Conduit Hanger From Flange, Wire Or Rod	3.20	
		For >100 To 250, Deduct	*-0.28*	
		For >500, Deduct	*-0.81*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.71*	
		For >50 To 100, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.55*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0260	EA	3/4", Conduit Hanger From Flange, Wire Or Rod	3.26	
		For >100 To 250, Deduct	*-0.29*	
		For >500, Deduct	*-0.82*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.71*	
		For >50 To 100, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.55*	
26 05 29 00-0261	EA	1", Conduit Hanger From Flange, Wire Or Rod	3.44	
		For >100 To 250, Deduct	*-0.29*	
		For >500, Deduct	*-0.83*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.71*	
		For >50 To 100, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.56*	
26 05 29 00-0262	EA	1-1/4", Conduit Hanger From Flange, Wire Or Rod	3.88	
		For >100 To 250, Deduct	*-0.32*	
		For >500, Deduct	*-0.88*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*0.71*	
		For >50 To 100, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.60*	

26 05 29 00-0263 Beam Flange Clamps *(26 05 29 00-0196)*

Note: For threaded rod, nut not required.

26 05 29 00-0264	EA	1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24)	5.04	
		For >100 To 250, Deduct	*-0.38*	
		For >500, Deduct	*-1.01*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.70*	
26 05 29 00-0265	EA	5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58)	4.92	
		For >100 To 250, Deduct	*-0.37*	
		For >500, Deduct	*-1.00*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.69*	
26 05 29 00-0266	EA	9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912)	5.61	
		For >100 To 250, Deduct	*-0.41*	
		For >500, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.74*	

26 05 29 00-0267 T-Bar Support Clips *(26 05 29 00-0196)*

26 05 29 00-0268	EA	9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95)	8.11	
		For >100 To 250, Deduct	*-0.66*	
		For >500, Deduct	*-1.83*	
		For >50 To 100, Deduct	*-0.33*	
		For >250 To 500, Deduct	*-1.25*	
26 05 29 00-0269	EA	15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS)	7.58	
		For >100 To 250, Deduct	*-0.63*	
		For >500, Deduct	*-1.78*	
		For >50 To 100, Deduct	*-0.32*	
		For >250 To 500, Deduct	*-1.21*	
26 05 29 00-0270	EA	15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16)	3.12	
		For >100 To 250, Deduct	*-0.22*	
		For >500, Deduct	*-0.57*	
		For >50 To 100, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.39*	
26 05 29 00-0271	EA	24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512)	28.65	
		For >100 To 250, Deduct	*-1.54*	
		For >500, Deduct	*-3.28*	
		For >50 To 100, Deduct	*-0.77*	
		For >250 To 500, Deduct	*-2.41*	

26 05 29 00-0272 Switch And Outlet Box Type Supports *(26 05 29 00-0196)*

26 05 29 00-0273	EA	1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS)	6.59	
		For >100 To 250, Deduct	*-0.43*	
		For >500, Deduct	*-1.07*	
		For >50 To 100, Deduct	*-0.22*	
		For >250 To 500, Deduct	*-0.75*	
26 05 29 00-0274	EA	1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500)	5.47	
		For >100 To 250, Deduct	*-0.38*	
		For >500, Deduct	*-0.96*	
		For >50 To 100, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.67*	
26 05 29 00-0275	EA	Flush, Riveted Switch And Outlet Box Support (Caddy MFO)	6.43	
		For >100 To 250, Deduct	*-0.42*	
		For >500, Deduct	*-1.05*	
		For >50 To 100, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.74*	
26 05 29 00-0276	EA	Snap On, Switch And Outlet Box Support (Caddy MSF)	3.88	
		For >100 To 250, Deduct	*-0.30*	
		For >500, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0277	EA	1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI)	4.08	
		For >100 To 250, Deduct	*-0.31*	
		For >500, Deduct	*-0.82*	
		For >50 To 100, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.56*	

26 05 29 00-0278 Lighting Fixture Hanger *(26 05 29 00-0196)*

Note: For existing or owner furnished fixtures.

26 05 29 00-0279	EA	Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515)	5.17	
		For >100 To 250, Deduct	*-0.46*	
		For >500, Deduct	*-1.33*	
		For >50 To 100, Deduct	*-0.23*	
		For >250 To 500, Deduct	*-0.90*	
26 05 29 00-0280	PR	Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517)	21.77	
		For >100 To 250, Deduct	*-1.29*	
		For >500, Deduct	*-2.99*	
		For >50 To 100, Deduct	*-0.65*	
		For >250 To 500, Deduct	*-2.14*	
26 05 29 00-0281	PR	Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520)	30.49	
		For >100 To 250, Deduct	*-1.73*	
		For >500, Deduct	*-3.87*	
		For >50 To 100, Deduct	*-0.86*	
		For >250 To 500, Deduct	*-2.80*	

26 05 29 00-0282 Rigid Steel Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0283	EA	1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.85	
		For >100 To 250, Deduct	*-0.40*	
		For >500, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*0.92*	
26 05 29 00-0284	EA	3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	4.88	
		For >100 To 250, Deduct	*-0.40*	
		For >500, Deduct	*-1.10*	
		For >50 To 100, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*0.92*	
26 05 29 00-0285	EA	1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	5.02	
		For >100 To 250, Deduct	*-0.40*	
		For >500, Deduct	*-1.11*	
		For >50 To 100, Deduct	*-0.20*	
		For >250 To 500, Deduct	*-0.76*	
		For Work In Restricted Working Space, Add	*0.92*	
26 05 29 00-0286	EA	1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.23	
		For >100 To 250, Deduct	*-0.52*	
		For >500, Deduct	*-1.44*	
		For >50 To 100, Deduct	*-0.26*	
		For >250 To 500, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0287	EA	1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	6.96	
		For >100 To 250, Deduct	*-0.55*	
		For >500, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0288	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	7.04	
		For >100 To 250, Deduct	*-0.56*	
		For >500, Deduct	*-1.52*	
		For >50 To 100, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0289	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	8.58	
		For >100 To 250, Deduct	*-0.68*	
		For >500, Deduct	*-1.88*	
		For >50 To 100, Deduct	*-0.34*	
		For >250 To 500, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*1.53*	
26 05 29 00-0290	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.22	
		For >100 To 250, Deduct	*-0.72*	
		For >500, Deduct	*-1.94*	
		For >50 To 100, Deduct	*-0.36*	
		For >250 To 500, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*1.53*	
26 05 29 00-0291	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	9.85	
		For >100 To 250, Deduct	*-0.75*	
		For >500, Deduct	*-2.01*	
		For >50 To 100, Deduct	*-0.37*	
		For >250 To 500, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*1.53*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0292		EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel	10.07	
			For >100 To 250, Deduct	*-0.76*	
			For >500, Deduct	*-2.03*	
			For >50 To 100, Deduct	*-0.38*	
			For >250 To 500, Deduct	*-1.39*	
			For Work In Restricted Working Space, Add	*1.53*	

26 05 29 00-0293 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel *(26 05 29 00-0196)*

26 05 29 00-0294		EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.32	
			For >100 To 250, Deduct	*-0.42*	
			For >500, Deduct	*-1.14*	
			For >50 To 100, Deduct	*-0.21*	
			For >250 To 500, Deduct	*-0.78*	
			For Work In Restricted Working Space, Add	*0.92*	
26 05 29 00-0295		EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.27	
			For >100 To 250, Deduct	*-0.42*	
			For >500, Deduct	*-1.14*	
			For >50 To 100, Deduct	*-0.21*	
			For >250 To 500, Deduct	*-0.78*	
			For Work In Restricted Working Space, Add	*0.92*	
26 05 29 00-0296		EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	5.19	
			For >100 To 250, Deduct	*-0.41*	
			For >500, Deduct	*-1.13*	
			For >50 To 100, Deduct	*-0.21*	
			For >250 To 500, Deduct	*-0.77*	
			For Work In Restricted Working Space, Add	*0.92*	
26 05 29 00-0297		EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	6.81	
			For >100 To 250, Deduct	*-0.54*	
			For >500, Deduct	*-1.50*	
			For >50 To 100, Deduct	*-0.27*	
			For >250 To 500, Deduct	*-1.02*	
			For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0298		EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.08	
			For >100 To 250, Deduct	*-0.61*	
			For >500, Deduct	*-1.62*	
			For >50 To 100, Deduct	*-0.30*	
			For >250 To 500, Deduct	*-1.12*	
			For Work In Restricted Working Space, Add	*1.22*	
26 05 29 00-0299		EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel	8.15	
			For >100 To 250, Deduct	*-0.61*	
			For >500, Deduct	*-1.63*	
			For >50 To 100, Deduct	*-0.31*	
			For >250 To 500, Deduct	*-1.12*	
			For Work In Restricted Working Space, Add	*1.22*	

26 05 29 00-0300 "J" Type Conduit Hangers *(26 05 29 00-0196)*

26 05 29 00-0301		EA	1/2", "J" Type Conduit Hanger (Unistrut J1205)	25.45	
			For >100 To 250, Deduct	*-1.63*	
			For >500, Deduct	*-3.97*	
			For >50 To 100, Deduct	*-0.81*	
			For >250 To 500, Deduct	*-2.80*	
			For Work In Restricted Working Space, Add	*2.14*	
26 05 29 00-0302		EA	3/4", "J" Type Conduit Hanger (Unistrut J1207)	25.77	
			For >100 To 250, Deduct	*-1.65*	
			For >500, Deduct	*-4.01*	
			For >50 To 100, Deduct	*-0.82*	
			For >250 To 500, Deduct	*-2.83*	
			For Work In Restricted Working Space, Add	*2.14*	
26 05 29 00-0303		EA	1", "J" Type Conduit Hanger (Unistrut J1210)	27.09	
			For >100 To 250, Deduct	*-1.76*	
			For >500, Deduct	*-4.34*	
			For >50 To 100, Deduct	*-0.88*	
			For >250 To 500, Deduct	*-3.05*	
			For Work In Restricted Working Space, Add	*2.45*	
26 05 29 00-0304		EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212)	27.43	
			For >100 To 250, Deduct	*-1.78*	
			For >500, Deduct	*-4.38*	
			For >50 To 100, Deduct	*-0.89*	
			For >250 To 500, Deduct	*-3.08*	
			For Work In Restricted Working Space, Add	*2.45*	
26 05 29 00-0305		EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215)	28.68	
			For >100 To 250, Deduct	*-1.89*	
			For >500, Deduct	*-4.70*	
			For >50 To 100, Deduct	*-0.95*	
			For >250 To 500, Deduct	*-3.30*	
			For Work In Restricted Working Space, Add	*2.75*	
26 05 29 00-0306		EA	2", "J" Type Conduit Hanger (Unistrut J1220)	29.98	
			For >100 To 250, Deduct	*-1.96*	
			For >500, Deduct	*-4.83*	
			For >50 To 100, Deduct	*-0.98*	
			For >250 To 500, Deduct	*-3.40*	
			For Work In Restricted Working Space, Add	*2.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0307	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225)	49.59	
		For >100 To 250, Deduct	*-2.99*	
		For >500, Deduct	*-7.00*	
		For >50 To 100, Deduct	*-1.50*	
		For >250 To 500, Deduct	*-5.00*	
		For Work In Restricted Working Space, Add	*3.06*	
26 05 29 00-0308	EA	3", "J" Type Conduit Hanger (Unistrut J1230)	52.58	
		For >100 To 250, Deduct	*-3.19*	
		For >500, Deduct	*-7.50*	
		For >50 To 100, Deduct	*-1.60*	
		For >250 To 500, Deduct	*-5.35*	
		For Work In Restricted Working Space, Add	*3.37*	
26 05 29 00-0309	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235)	56.53	
		For >100 To 250, Deduct	*-3.44*	
		For >500, Deduct	*-8.10*	
		For >50 To 100, Deduct	*-1.72*	
		For >250 To 500, Deduct	*-5.77*	
		For Work In Restricted Working Space, Add	*3.67*	
26 05 29 00-0310	EA	4", "J" Type Conduit Hanger (Unistrut J1240)	76.69	
		For >100 To 250, Deduct	*-4.45*	
		For >500, Deduct	*-10.12*	
		For >50 To 100, Deduct	*-2.22*	
		For >250 To 500, Deduct	*-7.28*	
		For Work In Restricted Working Space, Add	*3.67*	
26 05 29 00-0311	EA	5", "J" Type Conduit Hanger (Unistrut J1250)	84.33	
		For >100 To 250, Deduct	*-4.88*	
		For >500, Deduct	*-11.09*	
		For >50 To 100, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-7.98*	
		For Work In Restricted Working Space, Add	*3.98*	
26 05 29 00-0312	EA	6", "J" Type Conduit Hanger (Unistrut J1260)	120.17	
		For >100 To 250, Deduct	*-6.77*	
		For >500, Deduct	*-15.08*	
		For >50 To 100, Deduct	*-3.39*	
		For >250 To 500, Deduct	*-10.93*	
		For Work In Restricted Working Space, Add	*4.59*	

26 05 29 00-0313 Between Studs Box Brackets *(26 05 29 00-0196)*

26 05 29 00-0314	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A)	9.00	
		For >100 To 250, Deduct	*-0.60*	
		For >500, Deduct	*-1.51*	
		For >50 To 100, Deduct	*-0.30*	
		For >250 To 500, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*0.92*	
26 05 29 00-0315	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A)	11.05	
		For >100 To 250, Deduct	*-0.71*	
		For >500, Deduct	*-1.72*	
		For >50 To 100, Deduct	*-0.35*	
		For >250 To 500, Deduct	*-1.21*	
		For Work In Restricted Working Space, Add	*0.92*	

26 05 29 00-0316 Hangers And Brackets *(26 05 29 00-0196)*

26 05 29 00-0317	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI)	2.83	
		For >100 To 250, Deduct	*-0.24*	
		For >500, Deduct	*-0.69*	
		For >50 To 100, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.47*	
26 05 29 00-0318	EA	Angle Bracket Only With 1/4" Hole (Caddy AB)	2.71	
		For >100 To 250, Deduct	*-0.24*	
		For >500, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.46*	
26 05 29 00-0319	EA	Offset Bracket Only With 1/4" Hole (Caddy AO)	2.71	
		For >100 To 250, Deduct	*-0.24*	
		For >500, Deduct	*-0.68*	
		For >50 To 100, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.46*	
26 05 29 00-0320	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB)	3.94	
		For >100 To 250, Deduct	*-0.30*	
		For >500, Deduct	*-0.80*	
		For >50 To 100, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.55*	
26 05 29 00-0321	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB)	3.97	
		For >100 To 250, Deduct	*-0.30*	
		For >500, Deduct	*-0.81*	
		For >50 To 100, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.55*	
26 05 29 00-0322	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB)	3.83	
		For >100 To 250, Deduct	*-0.29*	
		For >500, Deduct	*-0.79*	
		For >50 To 100, Deduct	*-0.15*	
		For >250 To 500, Deduct	*-0.54*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0323		EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO)	3.94	
			For >100 To 250, Deduct	*-0.30*	
			For >500, Deduct	*-0.80*	
			For >50 To 100, Deduct	*-0.15*	
			For >250 To 500, Deduct	*-0.55*	
26 05 29 00-0324		EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO)	3.97	
			For >100 To 250, Deduct	*-0.30*	
			For >500, Deduct	*-0.81*	
			For >50 To 100, Deduct	*-0.15*	
			For >250 To 500, Deduct	*-0.55*	

26 05 29 00-0325 Clips And Accessories *(26 05 29 00-0196)*

26 05 29 00-0326		EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR)	1.95	
			For >100 To 250, Deduct	*-0.16*	
			For >500, Deduct	*-0.45*	
			For >50 To 100, Deduct	*-0.08*	
			For >250 To 500, Deduct	*-0.31*	
26 05 29 00-0327		EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12)	2.00	
			For >100 To 250, Deduct	*-0.16*	
			For >500, Deduct	*-0.45*	
			For >50 To 100, Deduct	*-0.08*	
			For >250 To 500, Deduct	*-0.31*	
26 05 29 00-0328		EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20)	2.18	
			For >100 To 250, Deduct	*-0.17*	
			For >500, Deduct	*-0.47*	
			For >50 To 100, Deduct	*-0.09*	
			For >250 To 500, Deduct	*-0.32*	
26 05 29 00-0329		EA	2" Diameter Center, Bridle Ring (Caddy 2BR32)	2.57	
			For >100 To 250, Deduct	*-0.19*	
			For >500, Deduct	*-0.51*	
			For >50 To 100, Deduct	*-0.10*	
			For >250 To 500, Deduct	*-0.35*	

26 05 29 00-0330 Wire Ties *(26 05 29 00-0196)*

Note: Per hundred (C).

26 05 29 00-0331		C	3" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	27.19	
			For Up To 0.1, Add	*21.30*	
			For >0.1 To 0.25, Add	*10.65*	
			For >0.25 To 0.75, Add	*5.33*	
			For >2.0, Deduct	*-2.13*	
			For UV Black, Add	*0.88*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.39*	
26 05 29 00-0332		C	4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	27.42	
			For Up To 0.1, Add	*21.30*	
			For >0.1 To 0.25, Add	*10.65*	
			For >0.25 To 0.75, Add	*5.33*	
			For >2.0, Deduct	*-2.13*	
			For UV Black, Add	*0.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.39*	
26 05 29 00-0333		C	4-3/4" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	27.58	
			For Up To 0.1, Add	*21.30*	
			For >0.1 To 0.25, Add	*10.65*	
			For >0.25 To 0.75, Add	*5.33*	
			For >2.0, Deduct	*-2.13*	
			For UV Black, Add	*0.94*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.39*	
26 05 29 00-0334		C	5-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	27.65	
			For Up To 0.1, Add	*21.30*	
			For >0.1 To 0.25, Add	*10.65*	
			For >0.25 To 0.75, Add	*5.33*	
			For >2.0, Deduct	*-2.13*	
			For UV Black, Add	*0.95*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.39*	
26 05 29 00-0335		C	6-1/2" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	28.65	
			For Up To 0.1, Add	*22.23*	
			For >0.1 To 0.25, Add	*11.12*	
			For >0.25 To 0.75, Add	*5.56*	
			For >2.0, Deduct	*-2.22*	
			For UV Black, Add	*0.96*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 05 29 00-0336		C	8" Length, 18 Lb. Tensile Strength, Nylon Cable Ties	34.63	
			For Up To 0.1, Add	*23.24*	
			For >0.1 To 0.25, Add	*11.62*	
			For >0.25 To 0.75, Add	*5.81*	
			For >2.0, Deduct	*-2.32*	
			For UV Black, Add	*1.71*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.97*	
26 05 29 00-0337		C	4-3/4" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	33.51	
			For Up To 0.1, Add	*21.30*	
			For >0.1 To 0.25, Add	*10.65*	
			For >0.25 To 0.75, Add	*5.33*	
			For >2.0, Deduct	*-2.13*	
			For UV Black, Add	*1.83*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0338	C	6" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	34.54	
		For Up To 0.1, Add	*22.23*	
		For >0.1 To 0.25, Add	*11.12*	
		For >0.25 To 0.75, Add	*5.56*	
		For >2.0, Deduct	*-2.22*	
		For UV Black, Add	*1.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.67*	
26 05 29 00-0339	C	8" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	35.61	
		For Up To 0.1, Add	*23.24*	
		For >0.1 To 0.25, Add	*11.62*	
		For >0.25 To 0.75, Add	*5.81*	
		For >2.0, Deduct	*-2.32*	
		For UV Black, Add	*1.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.97*	
26 05 29 00-0340	C	10" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	53.60	
		For Up To 0.1, Add	*25.06*	
		For >0.1 To 0.25, Add	*12.53*	
		For >0.25 To 0.75, Add	*6.27*	
		For >2.0, Deduct	*-2.51*	
		For UV Black, Add	*4.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 29 00-0341	C	11-1/2" Length, 40 Lb. Tensile Strength, Nylon Cable Ties	56.18	
		For Up To 0.1, Add	*25.06*	
		For >0.1 To 0.25, Add	*12.53*	
		For >0.25 To 0.75, Add	*6.27*	
		For >2.0, Deduct	*-2.51*	
		For UV Black, Add	*4.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 29 00-0342	C	7" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	37.42	
		For Up To 0.1, Add	*23.24*	
		For >0.1 To 0.25, Add	*11.62*	
		For >0.25 To 0.75, Add	*5.81*	
		For >2.0, Deduct	*-2.32*	
		For UV Black, Add	*2.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.97*	
26 05 29 00-0343	C	8" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	35.13	
		For Up To 0.1, Add	*23.24*	
		For >0.1 To 0.25, Add	*11.62*	
		For >0.25 To 0.75, Add	*5.81*	
		For >2.0, Deduct	*-2.32*	
		For UV Black, Add	*1.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.97*	
26 05 29 00-0344	C	11" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	54.31	
		For Up To 0.1, Add	*25.06*	
		For >0.1 To 0.25, Add	*12.53*	
		For >0.25 To 0.75, Add	*6.27*	
		For >2.0, Deduct	*-2.51*	
		For UV Black, Add	*4.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 29 00-0345	C	14-1/2" Length, 50 Lb. Tensile Strength, Nylon Cable Ties	62.58	
		For Up To 0.1, Add	*26.62*	
		For >0.1 To 0.25, Add	*13.31*	
		For >0.25 To 0.75, Add	*6.66*	
		For >2.0, Deduct	*-2.66*	
		For UV Black, Add	*5.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.99*	
26 05 29 00-0346	C	8" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	61.82	
		For Up To 0.1, Add	*23.24*	
		For >0.1 To 0.25, Add	*11.62*	
		For >0.25 To 0.75, Add	*5.81*	
		For >2.0, Deduct	*-2.32*	
		For UV Black, Add	*5.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.97*	
26 05 29 00-0347	C	11" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	67.77	
		For Up To 0.1, Add	*25.06*	
		For >0.1 To 0.25, Add	*12.53*	
		For >0.25 To 0.75, Add	*6.27*	
		For >2.0, Deduct	*-2.51*	
		For UV Black, Add	*6.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.52*	
26 05 29 00-0348	C	15" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	82.80	
		For Up To 0.1, Add	*26.62*	
		For >0.1 To 0.25, Add	*13.31*	
		For >0.25 To 0.75, Add	*6.66*	
		For >2.0, Deduct	*-2.66*	
		For UV Black, Add	*8.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.99*	
26 05 29 00-0349	C	17" Length, 120 Lb. Tensile Strength, Nylon Cable Ties	120.45	
		For Up To 0.1, Add	*28.40*	
		For >0.1 To 0.25, Add	*14.20*	
		For >0.25 To 0.75, Add	*7.10*	
		For >2.0, Deduct	*-2.84*	
		For UV Black, Add	*13.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.52*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0350		C	17-3/4" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	116.52	
			For Up To 0.1, Add	*28.40*	
			For >0.1 To 0.25, Add	*14.20*	
			For >0.25 To 0.75, Add	*7.10*	
			For >2.0, Deduct	*-2.84*	
			For UV Black, Add	*13.22*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.52*	
26 05 29 00-0351		C	21-11/16" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	142.97	
			For Up To 0.1, Add	*29.73*	
			For >0.1 To 0.25, Add	*14.87*	
			For >0.25 To 0.75, Add	*7.43*	
			For >2.0, Deduct	*-2.97*	
			For UV Black, Add	*16.99*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.92*	
26 05 29 00-0352		C	30" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	166.14	
			For Up To 0.1, Add	*31.17*	
			For >0.1 To 0.25, Add	*15.59*	
			For >0.25 To 0.75, Add	*7.79*	
			For >2.0, Deduct	*-3.12*	
			For UV Black, Add	*20.25*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.35*	
26 05 29 00-0353		C	46" Length, 175 Lb. Tensile Strength, Nylon Cable Ties	229.74	
			For Up To 0.1, Add	*33.63*	
			For >0.1 To 0.25, Add	*16.82*	
			For >0.25 To 0.75, Add	*8.41*	
			For >2.0, Deduct	*-3.36*	
			For UV Black, Add	*29.42*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.09*	
26 05 29 00-0354		C	3/4" x 3/4" Self Adhesive Tie Mounts	34.84	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.59*	
26 05 29 00-0355		C	1.1" x 1.1" Tie Mounts With Screw	68.92	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.17*	
26 05 29 00-0356		EA	6" Length x 1/2" Width, Velcro Grip Cable Tie	2.36	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.15*	
26 05 29 00-0357		EA	8" Length x 1/2" Width, Velcro Grip Cable Tie	2.38	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.13*	
26 05 29 00-0358		EA	12" Length x 1/2" Width, Velcro Grip Cable Tie	2.95	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.13*	
26 05 29 00-0359		EA	15" Length x 3/4" Width, Velcro Grip Cable Tie	4.19	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.13*	
26 05 29 00-0360		EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll Note: Cut to length.	109.46	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.96*	

26 05 29 00-0361 Fastening Devices For Wireway And Conduit *(26 05 29)*

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

26 05 29 00-0362 Toggle Bolts *(26 05 29 00-0361)*

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0363		EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	7.98	
			For >50 To 100, Deduct	*-0.76*	
			For >500, Deduct	*-3.78*	
			For >250 To 500, Deduct	*-2.65*	
			For >100 To 250, Deduct	*-1.52*	
26 05 29 00-0364		EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.20	
			For >50 To 100, Deduct	*-0.78*	
			For >500, Deduct	*-3.88*	
			For >250 To 500, Deduct	*-2.72*	
			For >100 To 250, Deduct	*-1.56*	
26 05 29 00-0365		EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt	8.67	
			For >50 To 100, Deduct	*-0.80*	
			For >500, Deduct	*-4.00*	
			For >250 To 500, Deduct	*-2.80*	
			For >100 To 250, Deduct	*-1.61*	
26 05 29 00-0366		EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	8.88	
			For >50 To 100, Deduct	*-0.82*	
			For >500, Deduct	*-4.09*	
			For >250 To 500, Deduct	*-2.87*	
			For >100 To 250, Deduct	*-1.65*	
26 05 29 00-0367		EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	9.09	
			For >50 To 100, Deduct	*-0.84*	
			For >500, Deduct	*-4.19*	
			For >250 To 500, Deduct	*-2.94*	
			For >100 To 250, Deduct	*-1.68*	
26 05 29 00-0368		EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.40	
			For >50 To 100, Deduct	*-0.89*	
			For >500, Deduct	*-4.40*	
			For >250 To 500, Deduct	*-3.09*	
			For >100 To 250, Deduct	*-1.78*	
26 05 29 00-0369		EA	3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt	10.84	
			For >50 To 100, Deduct	*-0.91*	
			For >500, Deduct	*-4.52*	
			For >250 To 500, Deduct	*-3.17*	
			For >100 To 250, Deduct	*-1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0370		**Machine Screws** *(26 05 29 00-0361)* Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0371	EA	#8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.36	
		For >50 To 100, Deduct	*-0.23*	
		For >500, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-0.46*	
26 05 29 00-0372	EA	#10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw	2.40	
		For >50 To 100, Deduct	*-0.23*	
		For >500, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-0.80*	
		For >100 To 250, Deduct	*-0.46*	
26 05 29 00-0373	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.00	
		For >50 To 100, Deduct	*-0.29*	
		For >500, Deduct	*-1.44*	
		For >250 To 500, Deduct	*-1.01*	
		For >100 To 250, Deduct	*-0.58*	
26 05 29 00-0374	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.15	
		For >50 To 100, Deduct	*-0.29*	
		For >500, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-1.02*	
		For >100 To 250, Deduct	*-0.58*	
26 05 29 00-0375	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw	3.90	
		For >50 To 100, Deduct	*-0.35*	
		For >500, Deduct	*-1.75*	
		For >250 To 500, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-0.70*	
26 05 29 00-0376		**Hex Lag Bolts With Lag Shield Expansion Anchors** *(26 05 29 00-0361)* Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0377	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.94	
		For >50 To 100, Deduct	*-0.31*	
		For >500, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.08*	
		For >100 To 250, Deduct	*-0.62*	
26 05 29 00-0378	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	3.89	
		For >50 To 100, Deduct	*-0.31*	
		For >500, Deduct	*-1.53*	
		For >250 To 500, Deduct	*-1.07*	
		For >100 To 250, Deduct	*-0.62*	
26 05 29 00-0379	EA	3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	5.57	
		For >50 To 100, Deduct	*-0.39*	
		For >500, Deduct	*-1.91*	
		For >250 To 500, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-0.79*	
26 05 29 00-0380	EA	1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor	7.16	
		For >50 To 100, Deduct	*-0.48*	
		For >500, Deduct	*-2.30*	
		For >250 To 500, Deduct	*-1.62*	
		For >100 To 250, Deduct	*-0.95*	
26 05 29 00-0381		**Hanger Lag Bolts With Hex Nuts** *(26 05 29 00-0361)* Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0382	EA	1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.93	
		For >50 To 100, Deduct	*-0.24*	
		For >500, Deduct	*-1.20*	
		For >250 To 500, Deduct	*-0.84*	
		For >100 To 250, Deduct	*-0.49*	
26 05 29 00-0383	EA	5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	2.98	
		For >50 To 100, Deduct	*-0.24*	
		For >500, Deduct	*-1.21*	
		For >250 To 500, Deduct	*-0.85*	
		For >100 To 250, Deduct	*-0.49*	
26 05 29 00-0384	EA	3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut	3.55	
		For >50 To 100, Deduct	*-0.28*	
		For >500, Deduct	*-1.37*	
		For >250 To 500, Deduct	*-0.96*	
		For >100 To 250, Deduct	*-0.56*	
26 05 29 00-0385		**Hollow Wall Screw Anchors** *(26 05 29 00-0361)*		
26 05 29 00-0386	EA	6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.72	
		For >50 To 100, Deduct	*-0.15*	
		For >500, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-0.50*	
		For >100 To 250, Deduct	*-0.29*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0387		EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.78	
			For >50 To 100, Deduct	*-0.15*	
			For >500, Deduct	*-0.72*	
			For >250 To 500, Deduct	*-0.51*	
			For >100 To 250, Deduct	*-0.29*	
26 05 29 00-0388		EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	1.87	
			For >50 To 100, Deduct	*-0.15*	
			For >500, Deduct	*-0.73*	
			For >250 To 500, Deduct	*-0.51*	
			For >100 To 250, Deduct	*-0.30*	
26 05 29 00-0389		EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.38	
			For >50 To 100, Deduct	*-0.18*	
			For >500, Deduct	*-0.87*	
			For >250 To 500, Deduct	*-0.61*	
			For >100 To 250, Deduct	*-0.36*	
26 05 29 00-0390		EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.51	
			For >50 To 100, Deduct	*-0.18*	
			For >500, Deduct	*-0.88*	
			For >250 To 500, Deduct	*-0.62*	
			For >100 To 250, Deduct	*-0.36*	
26 05 29 00-0391		EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.55	
			For >50 To 100, Deduct	*-0.18*	
			For >500, Deduct	*-0.89*	
			For >250 To 500, Deduct	*-0.63*	
			For >100 To 250, Deduct	*-0.36*	
26 05 29 00-0392		EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.57	
			For >50 To 100, Deduct	*-0.18*	
			For >500, Deduct	*-0.89*	
			For >250 To 500, Deduct	*-0.63*	
			For >100 To 250, Deduct	*-0.37*	
26 05 29 00-0393		EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.75	
			For >50 To 100, Deduct	*-0.19*	
			For >500, Deduct	*-0.91*	
			For >250 To 500, Deduct	*-0.64*	
			For >100 To 250, Deduct	*-0.37*	
26 05 29 00-0394		EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor	2.82	
			For >50 To 100, Deduct	*-0.19*	
			For >500, Deduct	*-0.91*	
			For >250 To 500, Deduct	*-0.65*	
			For >100 To 250, Deduct	*-0.38*	

26 05 29 00-0395 Lead Screw Anchors *(26 05 29 00-0361)*

Note: Includes screw.

26 05 29 00-0396		EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw	3.95	
			For >50 To 100, Deduct	*-0.36*	
			For >500, Deduct	*-1.78*	
			For >250 To 500, Deduct	*-1.25*	
			For >100 To 250, Deduct	*-0.72*	
26 05 29 00-0397		EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	4.72	
			For >50 To 100, Deduct	*-0.42*	
			For >500, Deduct	*-2.08*	
			For >250 To 500, Deduct	*-1.46*	
			For >100 To 250, Deduct	*-0.84*	
26 05 29 00-0398		EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw	6.43	
			For >50 To 100, Deduct	*-0.54*	
			For >500, Deduct	*-2.69*	
			For >250 To 500, Deduct	*-1.89*	
			For >100 To 250, Deduct	*-1.09*	

26 05 29 00-0399 Acoustical T-Bar Clips *(26 05 29 00-0361)*

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0400		EA	1/2" Conduit, Push-In Acoustical T-Bar Clip	7.13	
			For >50 To 100, Deduct	*-0.50*	
			For >500, Deduct	*-2.45*	
			For >250 To 500, Deduct	*-1.73*	
			For >100 To 250, Deduct	*-1.01*	
26 05 29 00-0401		EA	3/4" Conduit, Push-In Acoustical T-Bar Clip	7.47	
			For >50 To 100, Deduct	*-0.53*	
			For >500, Deduct	*-2.58*	
			For >250 To 500, Deduct	*-1.82*	
			For >100 To 250, Deduct	*-1.06*	
26 05 29 00-0402		EA	1" Conduit, Push-In Acoustical T-Bar Clip	8.19	
			For >50 To 100, Deduct	*-0.57*	
			For >500, Deduct	*-2.75*	
			For >250 To 500, Deduct	*-1.94*	
			For >100 To 250, Deduct	*-1.13*	

26 05 29 00-0403 Threaded Rod, Accessories And Attachments *(26 05 29)*

26 05 29 00-0404 Threaded Rod And Rod Accessories *(26 05 29 00-0403)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0405		**Carbon Steel Threaded Rod** *(26 05 29 00-0404)*		
		Note: Includes plain finish.		
26 05 29 00-0406	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.49	0.64
		For Galvanized, Add	*0.88*	
		For Zinc Coated, Add	*0.63*	
26 05 29 00-0407	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.87	0.68
		For Galvanized, Add	*1.40*	
		For Zinc Coated, Add	*1.00*	
26 05 29 00-0408	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.85	0.70
		For Galvanized, Add	*2.18*	
		For Zinc Coated, Add	*1.55*	
26 05 29 00-0409	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.35	0.72
		For Galvanized, Add	*3.96*	
		For Zinc Coated, Add	*2.82*	
26 05 29 00-0410	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	12.38	0.75
		For Galvanized, Add	*4.35*	
		For Zinc Coated, Add	*3.10*	
26 05 29 00-0411	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	16.98	0.84
		For Galvanized, Add	*6.11*	
		For Zinc Coated, Add	*4.35*	
26 05 29 00-0412	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	21.14	0.94
		For Galvanized, Add	*7.70*	
		For Zinc Coated, Add	*5.49*	
26 05 29 00-0413		**Threaded Rod Couplings** *(26 05 29 00-0404)*		
26 05 29 00-0414	EA	3/8" Diameter, Threaded Rod Coupling Nut	8.35	
26 05 29 00-0415	EA	1/2" Diameter, Threaded Rod Coupling Nut	9.48	
26 05 29 00-0416	EA	5/8" Diameter, Threaded Rod Coupling Nut	11.92	
26 05 29 00-0417	EA	3/4" Diameter, Threaded Rod Coupling Nut	14.61	
26 05 29 00-0418	EA	7/8" Diameter, Threaded Rod Coupling Nut	21.70	
26 05 29 00-0419	EA	1" Diameter, Threaded Rod Coupling Nut	25.74	
26 05 29 00-0420	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	49.98	
26 05 29 00-0421		**Flat Washers** *(26 05 29 00-0404)*		
26 05 29 00-0422	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.71	0.25
		For Galvanized, Add	*0.03*	
26 05 29 00-0423	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.93	0.25
		For Galvanized, Add	*0.07*	
26 05 29 00-0424	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.23	0.25
		For Galvanized, Add	*0.14*	
26 05 29 00-0425	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.52	0.51
		For Galvanized, Add	*0.20*	
26 05 29 00-0426	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.71	0.51
		For Galvanized, Add	*0.24*	
26 05 29 00-0427	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.03	0.51
		For Galvanized, Add	*0.30*	
26 05 29 00-0428	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.27	0.51
		For Galvanized, Add	*0.33*	
26 05 29 00-0429		**Malleable Iron Eye Sockets** *(26 05 29 00-0404)*		
		Note: Type 16.		
26 05 29 00-0430	EA	3/8" Rod Size, Malleable Iron Eye Socket	12.93	
26 05 29 00-0431	EA	1/2" Rod Size, Malleable Iron Eye Socket	15.67	
26 05 29 00-0432	EA	5/8" Rod Size, Malleable Iron Eye Socket	28.63	
26 05 29 00-0433	EA	3/4" Rod Size, Malleable Iron Eye Socket	41.53	
26 05 29 00-0434	EA	7/8" Rod Size, Malleable Iron Eye Socket	44.09	
26 05 29 00-0435		**Hex Nuts** *(26 05 29 00-0404)*		
26 05 29 00-0436	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.69	0.25
		For Galvanized, Add	*0.03*	
26 05 29 00-0437	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.89	0.25
		For Galvanized, Add	*0.06*	
26 05 29 00-0438	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.23	0.25
		For Galvanized, Add	*0.14*	
26 05 29 00-0439	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.47	0.51
		For Galvanized, Add	*0.19*	
26 05 29 00-0440	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.17	0.51
		For Galvanized, Add	*0.36*	
26 05 29 00-0441	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.78	0.51
		For Galvanized, Add	*0.48*	
26 05 29 00-0442	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.59	0.51
		For Galvanized, Add	*0.91*	
26 05 29 00-0443		**Forged Steel Turnbuckles** *(26 05 29 00-0404)*		
		Note: Type 13.		
26 05 29 00-0444	EA	3/8" Thread Diameter, Forged Steel Turnbuckle Body	30.74	
26 05 29 00-0445	EA	1/2" Thread Diameter, Forged Steel Turnbuckle Body	38.61	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0446	EA	5/8" Thread Diameter, Forged Steel Turnbuckle Body	52.92	
26 05 29 00-0447	EA	3/4" Thread Diameter, Forged Steel Turnbuckle Body	66.10	
26 05 29 00-0448	EA	7/8" Thread Diameter, Forged Steel Turnbuckle Body	172.19	
26 05 29 00-0449	EA	1" Thread Diameter, Forged Steel Turnbuckle Body	110.03	
26 05 29 00-0450	EA	1-1/4" Thread Diameter, Forged Steel Turnbuckle Body	229.04	
26 05 29 00-0451		Attachments *(26 05 29 00-0403)*		
26 05 29 00-0452		Welded Beam Attachments *(26 05 29 00-0451)*		
		Note: Type 22.		
26 05 29 00-0453	EA	3/8" Rod Size, Welded Beam Attachment	55.61	10.21
26 05 29 00-0454	EA	1/2" Rod Size, Welded Beam Attachment	59.45	10.72
26 05 29 00-0455	EA	5/8" Rod Size, Welded Beam Attachment	63.37	11.33
26 05 29 00-0456	EA	3/4" Rod Size, Welded Beam Attachment	82.95	12.04
26 05 29 00-0457	EA	7/8" Rod Size, Welded Beam Attachment	100.93	12.75
26 05 29 00-0458	EA	1" Rod Size, Welded Beam Attachment	144.30	14.59
26 05 29 00-0459	EA	1-1/8" Rod Size, Welded Beam Attachment	208.89	15.31
26 05 29 00-0460		C-Clamp Style Beam Clamps *(26 05 29 00-0451)*		
		Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0461	EA	3/8" Rod Size, C-Clamp Style Beam Clamp	17.09	7.67
26 05 29 00-0462	EA	1/2" Rod Size, C-Clamp Style Beam Clamp	21.08	8.18
26 05 29 00-0463	EA	5/8" Rod Size, C-Clamp Style Beam Clamp	24.30	8.76
26 05 29 00-0464	EA	3/4" Rod Size, C-Clamp Style Beam Clamp	32.54	9.43
26 05 29 00-0465	EA	7/8" Rod Size, C-Clamp Style Beam Clamp	49.70	10.23
26 05 29 00-0466		Bottom Mount I-Beam Clamps *(26 05 29 00-0451)*		
		Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0467	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	54.83	10.23
26 05 29 00-0468	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	83.35	11.15
26 05 29 00-0469	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	121.71	12.27
26 05 29 00-0470	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	146.42	13.63
26 05 29 00-0471	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp	367.13	15.34
26 05 29 00-0472		Steel U-Bolts *(26 05 29 00-0451)*		
		Note: Type 24. Includes plate and nuts.		
26 05 29 00-0473	EA	1/2" Pipe Size, Zinc Plated Steel, U-Bolt	14.01	6.14
26 05 29 00-0474	EA	3/4" Pipe Size, Zinc Plated Steel, U-Bolt	15.34	6.46
26 05 29 00-0475	EA	1" Pipe Size, Zinc Plated Steel, U-Bolt	16.61	6.81
26 05 29 00-0476	EA	1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt	19.25	7.21
26 05 29 00-0477	EA	1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	19.74	7.67
26 05 29 00-0478	EA	2" Pipe Size, Zinc Plated Steel, U-Bolt	21.14	8.18
26 05 29 00-0479	EA	2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt	32.61	8.76
26 05 29 00-0480	EA	3" Pipe Size, Zinc Plated Steel, U-Bolt	36.10	9.44
26 05 29 00-0481	EA	4" Pipe Size, Zinc Plated Steel, U-Bolt	44.45	10.23
26 05 29 00-0482		Stainless Steel Threaded Rod *(26 05 29 00-0403)*		
26 05 29 00-0483	LF	1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	3.28	0.51
		For 316 Stainless Steel, Add	*0.92*	
26 05 29 00-0484	LF	5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	4.99	0.56
		For 316 Stainless Steel, Add	*1.56*	
26 05 29 00-0485	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	6.43	0.64
		For 316 Stainless Steel, Add	*2.09*	
26 05 29 00-0486	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.98	0.66
		For 316 Stainless Steel, Add	*3.10*	
26 05 29 00-0487	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	10.80	0.68
		For 316 Stainless Steel, Add	*3.82*	
26 05 29 00-0488	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	16.26	0.69
		For 316 Stainless Steel, Add	*6.02*	
26 05 29 00-0489	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	22.81	0.70
		For 316 Stainless Steel, Add	*8.67*	
26 05 29 00-0490	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	31.45	0.72
		For 316 Stainless Steel, Add	*12.15*	
26 05 29 00-0491	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	40.43	0.84
		For 316 Stainless Steel, Add	*15.68*	
26 05 29 00-0492	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	85.73	1.02
		For 316 Stainless Steel, Add	*33.86*	
26 05 29 00-0493		Polyvinyl Chloride (PVC) Coated Supports *(26 05 29)*		
		Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0494		Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0493)*		
26 05 29 00-0495		Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps *(26 05 29 00-0494)*		
26 05 29 00-0496	EA	1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	57.88	20.41
26 05 29 00-0497	EA	3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	62.87	22.25
26 05 29 00-0498	EA	1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	66.89	24.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0499	EA	1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	80.79	27.24
26 05 29 00-0500	EA	1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	93.55	30.61
26 05 29 00-0501	EA	2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	112.66	33.68
26 05 29 00-0502	EA	2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	123.23	36.74
26 05 29 00-0503	EA	3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	135.87	39.79
26 05 29 00-0504	EA	3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	143.29	42.86
26 05 29 00-0505	EA	4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp	154.98	45.92
26 05 29 00-0506		**Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0507	EA	1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	62.48	20.41
26 05 29 00-0508	EA	3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	65.99	22.25
26 05 29 00-0509	EA	1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	76.24	24.49
26 05 29 00-0510	EA	1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	84.11	27.24
26 05 29 00-0511	EA	1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	94.83	30.61
26 05 29 00-0512	EA	2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	110.47	33.68
26 05 29 00-0513	EA	2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	127.39	36.74
26 05 29 00-0514	EA	3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	141.40	39.79
26 05 29 00-0515	EA	3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	150.22	42.86
26 05 29 00-0516	EA	4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp	155.90	45.92
26 05 29 00-0517		**Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps** *(26 05 29 00-0494)*		
26 05 29 00-0518	EA	1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	58.78	20.20
26 05 29 00-0519	EA	3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	63.12	22.04
26 05 29 00-0520	EA	1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	71.59	24.49
26 05 29 00-0521	EA	1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	84.44	26.94
26 05 29 00-0522	EA	1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	111.16	30.61
26 05 29 00-0523	EA	2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp	121.85	33.68
26 05 29 00-0524		**Polyvinyl Chloride (PVC) Coated Conduit Straps** *(26 05 29 00-0493)*		
26 05 29 00-0525		**One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0526	EA	1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	7.58	0.61
26 05 29 00-0527	EA	3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	8.24	0.61
26 05 29 00-0528	EA	1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	12.18	0.61
26 05 29 00-0529	EA	1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.84	0.61
26 05 29 00-0530	EA	1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.58	0.61
26 05 29 00-0531	EA	2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	29.48	0.61
26 05 29 00-0532	EA	2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	39.32	0.61
26 05 29 00-0533	EA	3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	52.72	0.61
26 05 29 00-0534	EA	3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	93.41	0.61
26 05 29 00-0535	EA	4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	99.28	0.61
26 05 29 00-0536		**Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps** *(26 05 29 00-0524)*		
26 05 29 00-0537	EA	1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	14.94	1.22
26 05 29 00-0538	EA	3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.01	1.22
26 05 29 00-0539	EA	1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	15.41	1.22
26 05 29 00-0540	EA	1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	19.46	1.22
26 05 29 00-0541	EA	1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	20.01	1.22
26 05 29 00-0542	EA	2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	23.00	1.22
26 05 29 00-0543	EA	2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	25.91	1.22
26 05 29 00-0544	EA	3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	27.10	1.22
26 05 29 00-0545	EA	3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	28.96	1.22
26 05 29 00-0546	EA	4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap	31.44	1.22
26 05 29 00-0547		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0493)*		
26 05 29 00-0548		**Polyvinyl Chloride (PVC) Coated Clamp Back Spacer** *(26 05 29 00-0547)*		
26 05 29 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	13.52	1.22
26 05 29 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	15.78	1.22
26 05 29 00-0551	EA	1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	19.93	1.22
26 05 29 00-0552	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	23.36	1.22
26 05 29 00-0553	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	31.38	1.22
26 05 29 00-0554	EA	2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	55.99	1.22
26 05 29 00-0555	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	77.50	1.22
26 05 29 00-0556	EA	3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	105.94	1.22
26 05 29 00-0557	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	185.66	1.22
26 05 29 00-0558	EA	4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer	185.66	1.22
26 05 29 00-0559		**Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories** *(26 05 29 00-0493)*		
26 05 29 00-0560		**Polyvinyl Chloride (PVC) Coated Threaded Rod** *(26 05 29 00-0559)*		
26 05 29 00-0561	LF	3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	9.34	0.81
26 05 29 00-0562	LF	1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod	11.52	0.92

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0563		Attachments *(26 05 29 00-0493)*		
26 05 29 00-0564		Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts *(26 05 29 00-0563)*		
26 05 29 00-0565	EA	1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	17.05	6.14
26 05 29 00-0566	EA	3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	17.58	6.44
26 05 29 00-0567	EA	1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	18.51	6.85
26 05 29 00-0568	EA	1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	19.71	7.26
26 05 29 00-0569	EA	1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	21.00	7.67
26 05 29 00-0570	EA	2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	23.71	8.18
26 05 29 00-0571	EA	2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	34.97	8.79
26 05 29 00-0572	EA	3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	36.62	9.40
26 05 29 00-0573	EA	4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	38.99	10.23
26 05 29 00-0574	EA	5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	64.83	11.65
26 05 29 00-0575	EA	6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts	80.59	13.49
26 05 29 00-0576		Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps *(26 05 29 00-0563)*		
26 05 29 00-0577	EA	1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	59.46	20.20
26 05 29 00-0578	EA	5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	70.43	20.20
26 05 29 00-0579	EA	3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	74.95	20.20
26 05 29 00-0580	EA	1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	82.89	21.43
26 05 29 00-0581	EA	1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp	97.22	24.49
26 05 29 00-0582		Polyvinyl Chloride (PVC) Coated Pipe Straps *(26 05 29 00-0563)* Note: Includes stainless steel nuts and bolts.		
26 05 29 00-0583	EA	1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	22.04	6.74
26 05 29 00-0584	EA	3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	23.07	7.35
26 05 29 00-0585	EA	1" Polyvinyl Chloride (PVC) Coated Pipe Strap	25.16	7.96
26 05 29 00-0586	EA	1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap	28.24	9.18
26 05 29 00-0587	EA	1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	32.36	10.41
26 05 29 00-0588	EA	2" Polyvinyl Chloride (PVC) Coated Pipe Strap	36.18	11.02
26 05 29 00-0589	EA	2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	39.95	12.24
26 05 29 00-0590	EA	3" Polyvinyl Chloride (PVC) Coated Pipe Strap	47.90	13.47
26 05 29 00-0591	EA	3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap	52.61	14.09
26 05 29 00-0592	EA	4" Polyvinyl Chloride (PVC) Coated Pipe Strap	55.09	15.31
26 05 29 00-0593	EA	5" Polyvinyl Chloride (PVC) Coated Pipe Strap	58.60	17.14
26 05 29 00-0594		Polyvinyl Chloride (PVC) Coated Channel *(26 05 29 00-0493)*		
26 05 29 00-0595	LF	A12, Polyvinyl Chloride (PVC) Coated Channel	24.20	3.06
26 05 29 00-0596	LF	A12A, Polyvinyl Chloride (PVC) Coated Channel	43.25	4.28
26 05 29 00-0597	LF	A12P, Polyvinyl Chloride (PVC) Coated Channel	25.91	3.06
26 05 29 00-0598	LF	C14, Polyvinyl Chloride (PVC) Coated Channel	18.94	3.06
26 05 29 00-0599	LF	C14P, Polyvinyl Chloride (PVC) Coated Channel	20.00	3.06
26 05 29 00-0600		Polymer Concrete Pads *(26 05 29)* Note: Excludes excavation and backfill.		
26 05 29 00-0601		Polymer Concrete, Box Pads *(26 05 29 00-0600)*		
26 05 29 00-0602	EA	24" x 36", 18" Depth, Polymer Concrete, Box Pad	1,418.95	132.31
26 05 29 00-0603	EA	25" x 25", 24" Depth, Polymer Concrete, Box Pad	1,466.64	132.31
26 05 29 00-0604	EA	40" x 44", 15" Depth, Polymer Concrete, Box Pad	1,904.95	132.31
26 05 29 00-0605	EA	40" x 44", 24" Depth, Polymer Concrete, Box Pad	1,977.63	132.31
26 05 29 00-0606	EA	52" x 36", 18" Depth, Polymer Concrete, Box Pad	1,837.30	132.31
26 05 29 00-0607	EA	44" x 44", 32" Depth, Polymer Concrete, Box Pad	2,180.50	132.31
26 05 29 00-0608	EA	40" x 58", 24" Depth, Polymer Concrete, Box Pad	2,443.66	132.31
26 05 29 00-0609	EA	52" x 50", 18" Depth, Polymer Concrete, Box Pad	2,337.70	165.38
26 05 29 00-0610	EA	74" x 76", 36" Depth, Polymer Concrete, Box Pad	3,567.26	165.38
26 05 29 00-0611	EA	93" x 93", 36" Depth, Polymer Concrete, Box Pad	4,802.90	165.38
26 05 29 00-0612		Polymer Concrete, Telecommunications Equipment Pads *(26 05 29 00-0600)*		
26 05 29 00-0613	EA	42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	678.10	69.24
26 05 29 00-0614	EA	48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	808.40	69.24
26 05 29 00-0615	EA	60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,052.66	99.23
26 05 29 00-0616	EA	54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,101.09	99.23
26 05 29 00-0617	EA	57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,594.06	99.23
26 05 29 00-0618	EA	72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,662.58	99.23
26 05 29 00-0619	EA	64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,790.25	99.23
26 05 29 00-0620	EA	72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	1,790.25	99.23
26 05 29 00-0621	EA	76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,394.15	99.23
26 05 29 00-0622	EA	96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad	3,851.81	99.23
26 05 29 00-0623		Polymer Concrete, Electrical Equipment Pads *(26 05 29 00-0600)*		
26 05 29 00-0624	EA	24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad	402.13	69.24
26 05 29 00-0625	EA	24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad	435.62	69.24
26 05 29 00-0626	EA	24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad	466.14	69.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0627	EA	24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad	567.49	69.24
26 05 29 00-0628	EA	40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad	522.26	69.24
26 05 29 00-0629	EA	42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad	543.58	69.24
26 05 29 00-0630	EA	48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad	598.83	69.24
26 05 29 00-0631	EA	48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad	631.06	69.24
26 05 29 00-0632	EA	54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	738.71	69.24
26 05 29 00-0633	EA	56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad	916.02	69.24
26 05 29 00-0634	EA	64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,356.57	99.23
26 05 29 00-0635	EA	66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,421.37	99.23
26 05 29 00-0636	EA	75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,441.82	99.23
26 05 29 00-0637	EA	90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad	1,578.06	99.23
26 05 29 00-0638	EA	84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad	3,400.30	99.23
26 05 29 00-0639	EA	96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad	4,010.67	99.23

26 05 33 Raceway and Boxes for Electrical Systems *(26 05)*

26 05 33 13 Conduit for Electrical Systems *(26 05 33)*

26 05 33 13-0001 Conduit Assemblies With Wire *(26 05 33 13)*

Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.

26 05 33 13-0002 Electrical Metallic Tubing (EMT) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0250 for larger copper conducter, 26 05 33 13-0599 for larger EMT conduit.

26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	784.62	227.83
		For Work In Restricted Working Space, Add	*195.32*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	859.65	247.41
		For Work In Restricted Working Space, Add	*212.09*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	934.67	266.99
		For Work In Restricted Working Space, Add	*228.87*	
		For 4 #12 THWN Conductor Instead Of THHN, Add	*3.82*	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	831.78	237.62
		For Work In Restricted Working Space, Add	*203.71*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	925.72	260.46
		For Work In Restricted Working Space, Add	*223.28*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conducter Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,019.65	283.29
		For Work In Restricted Working Space, Add	*242.86*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	939.78	257.20
		For Work In Restricted Working Space, Add	*220.49*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	875.10	245.63
		For Work In Restricted Working Space, Add	*210.53*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	950.12	265.21
		For Work In Restricted Working Space, Add	*227.31*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,025.14	284.79
		For Work In Restricted Working Space, Add	*244.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,100.17	304.37
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*260.87*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	922.24	255.42
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*218.92*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,016.18	278.26
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*238.49*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,110.13	301.10
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*258.07*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,204.06	323.94
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*277.65*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,164.08	304.37
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*260.87*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0019	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,297.91	333.73
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*286.04*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0020	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,172.67	294.58
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*252.48*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0021	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,357.77	330.47
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*283.24*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0022	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,004.09	264.38
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*226.64*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0023	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,079.11	283.95
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*243.42*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0024	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,154.15	303.53
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*260.20*	
26 05 33 13-0025	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,229.17	323.10
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*276.98*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0026	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,051.23	274.16
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*235.03*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0027	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,145.18	297.00
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*254.60*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0028	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,239.13	319.83
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*274.18*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0029	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,333.05	342.67
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*293.75*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0030	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,293.08	323.10
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*276.98*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0031	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,486.76	349.20
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*299.35*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0032	CLF	1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,671.86	385.09
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*330.11*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0033 Rigid Galvanized Steel (RGS) Conduit Assemblies *(26 05 33 13-0001)*

Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0250 for larger copper conducter, 26 05 33 13-0060 for larger RGS conduit.

26 05 33 13-0034	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,066.19	259.34
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*222.28*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0035	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,141.20	278.91
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*239.05*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0036	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,113.33	269.13
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*230.66*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0037	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,207.28	291.97
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*250.24*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0038	CLF	1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,221.35	288.70
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*247.45*	
		For 2 #8 THWN Conductor Instead Of THHN, Add	*4.99*	
26 05 33 13-0039	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,177.99	276.58
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*237.04*	
		For 2 #12 THWN Conductor Instead Of THHN, Add	*1.91*	
26 05 33 13-0040	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,253.02	296.16
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*253.82*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0041	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,328.05	315.73
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*270.60*	
26 05 33 13-0042	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,225.14	286.37
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*245.43*	
		For 2 #10 THWN Conductor Instead Of THHN, Add	*2.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0043	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,319.08	309.21
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*265.01*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0044	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,413.03	332.05
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*284.58*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0045	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,466.98	335.31
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*287.38*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0046	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,600.81	364.68
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*312.55*	
		For 4 #8 THWN Conductor Instead Of THHN, Add	*9.99*	
26 05 33 13-0047	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,475.58	325.52
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*278.99*	
		For 2 #6 THWN Conductor Instead Of THHN, Add	*8.26*	
26 05 33 13-0048	CLF	3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,660.66	361.42
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*309.75*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0049	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,531.47	330.28
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*283.10*	
		For 3 #12 THWN Conductor Instead Of THHN, Add	*2.86*	
26 05 33 13-0050	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,606.51	349.86
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*299.88*	
26 05 33 13-0051	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,681.52	369.43
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*316.66*	
		For 5 #12 THWN Conductor Instead Of THHN, Add	*4.77*	
26 05 33 13-0052	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,597.54	343.33
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*294.29*	
		For 3 #10 THWN Conductor Instead Of THHN, Add	*4.29*	
26 05 33 13-0053	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,691.48	366.16
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*313.87*	
		For 4 #10 THWN Conductor Instead Of THHN, Add	*5.73*	
26 05 33 13-0054	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,785.41	389.01
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*333.44*	
		For 5 #10 THWN Conductor Instead Of THHN, Add	*7.16*	
26 05 33 13-0055	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,745.43	369.43
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*316.66*	
		For 3 #8 THWN Conductor Instead Of THHN, Add	*7.49*	
26 05 33 13-0056	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	1,939.12	395.53
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*339.03*	
		For 3 #6 THWN Conductor Instead Of THHN, Add	*12.38*	
26 05 33 13-0057	CLF	1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor	2,124.21	431.42
		Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*369.80*	
		For 4 #6 THWN Conductor Instead Of THHN, Add	*16.51*	

26 05 33 13-0058 Conduit *(26 05 33 13)*
Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.

26 05 33 13-0059 Conduit Installed Above Grade *(26 05 33 13-0058)*

26 05 33 13-0060 Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit *(26 05 33 13-0059)*
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0061		Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling *(26 05 33 13-0060)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0062	LF	1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	7.69	2.05
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.45*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.77*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For Work In Restricted Working Space, Add	*1.54*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.03*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.80*	
		For Elevated Installation >30' To 35', Add	*2.05*	
		For Elevated Installation >35' To 40', Add	*2.57*	
		For Elevated Installation >40', Add	*2.82*	
		For >1,000, Deduct	*-0.64*	
		For Installation In Metal Stud Wall, Add	*0.51*	
26 05 33 13-0063	LF	3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	9.13	2.24
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.54*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.49*	
		For Work In Restricted Working Space, Add	*1.79*	
		For Elevated Installation >10' To 15', Add	*0.60*	
		For Elevated Installation >15' To 20', Add	*1.19*	
		For Elevated Installation >20' To 25', Add	*1.49*	
		For Elevated Installation >25' To 30', Add	*2.09*	
		For Elevated Installation >30' To 35', Add	*2.39*	
		For Elevated Installation >35' To 40', Add	*2.99*	
		For Elevated Installation >40', Add	*3.28*	
		For >1,000, Deduct	*-0.76*	
		For Installation In Metal Stud Wall, Add	*0.60*	
26 05 33 13-0064	LF	1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	12.89	2.61
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.77*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.20*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.00*	
		For Work In Restricted Working Space, Add	*2.40*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.60*	
		For Elevated Installation >20' To 25', Add	*2.00*	
		For Elevated Installation >25' To 30', Add	*2.80*	
		For Elevated Installation >30' To 35', Add	*3.20*	
		For Elevated Installation >35' To 40', Add	*4.01*	
		For Elevated Installation >40', Add	*4.41*	
		For >1,000, Deduct	*-1.09*	
		For Installation In Metal Stud Wall, Add	*0.80*	
26 05 33 13-0065	LF	1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	15.00	2.98
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.91*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.27*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.12*	
		For Work In Restricted Working Space, Add	*2.55*	
		For Elevated Installation >10' To 15', Add	*0.85*	
		For Elevated Installation >15' To 20', Add	*1.70*	
		For Elevated Installation >20' To 25', Add	*2.12*	
		For Elevated Installation >25' To 30', Add	*2.97*	
		For Elevated Installation >30' To 35', Add	*3.40*	
		For Elevated Installation >35' To 40', Add	*4.25*	
		For Elevated Installation >40', Add	*4.67*	
		For >1,000, Deduct	*-1.29*	
		For Installation In Metal Stud Wall, Add	*0.85*	
26 05 33 13-0066	LF	1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	17.30	3.36
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-1.06*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.40*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.33*	
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
		For >1,000, Deduct	*-1.50*	
		For Installation In Metal Stud Wall, Add	*0.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0067	LF	2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	22.13	4.10
		For >250 To 500, Deduct	*-0.53*	
		For >500 To 1,000, Deduct	*-1.37*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.72*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.87*	
		For Work In Restricted Working Space, Add	*3.44*	
		For Elevated Installation >10' To 15', Add	*1.15*	
		For Elevated Installation >15' To 20', Add	*2.29*	
		For Elevated Installation >20' To 25', Add	*2.87*	
		For Elevated Installation >25' To 30', Add	*4.01*	
		For Elevated Installation >30' To 35', Add	*4.58*	
		For Elevated Installation >35' To 40', Add	*5.73*	
		For Elevated Installation >40', Add	*6.30*	
		For >1,000, Deduct	*-1.93*	
		For Installation In Metal Stud Wall, Add	*1.15*	
26 05 33 13-0068	LF	2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	33.25	5.60
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-2.10*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.34*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.89*	
		For Work In Restricted Working Space, Add	*4.67*	
		For Elevated Installation >10' To 15', Add	*1.56*	
		For Elevated Installation >15' To 20', Add	*3.11*	
		For Elevated Installation >20' To 25', Add	*3.89*	
		For Elevated Installation >25' To 30', Add	*5.45*	
		For Elevated Installation >30' To 35', Add	*6.23*	
		For Elevated Installation >35' To 40', Add	*7.79*	
		For Elevated Installation >40', Add	*8.56*	
		For >1,000, Deduct	*-2.94*	
		For Installation In Metal Stud Wall, Add	*1.56*	
26 05 33 13-0069	LF	3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	43.47	7.46
		For >250 To 500, Deduct	*-1.13*	
		For >500 To 1,000, Deduct	*-2.74*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.15*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.24*	
		For Work In Restricted Working Space, Add	*6.29*	
		For Elevated Installation >10' To 15', Add	*2.10*	
		For Elevated Installation >15' To 20', Add	*4.19*	
		For Elevated Installation >20' To 25', Add	*5.24*	
		For Elevated Installation >25' To 30', Add	*7.34*	
		For Elevated Installation >30' To 35', Add	*8.39*	
		For Elevated Installation >35' To 40', Add	*10.49*	
		For Elevated Installation >40', Add	*11.53*	
		For >1,000, Deduct	*-3.82*	
		For Installation In Metal Stud Wall, Add	*2.10*	
26 05 33 13-0070	LF	3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	52.34	9.32
		For >250 To 500, Deduct	*-1.37*	
		For >500 To 1,000, Deduct	*-3.30*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.73*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.22*	
		For Work In Restricted Working Space, Add	*7.47*	
		For Elevated Installation >10' To 15', Add	*2.49*	
		For Elevated Installation >15' To 20', Add	*4.98*	
		For Elevated Installation >20' To 25', Add	*6.22*	
		For Elevated Installation >25' To 30', Add	*8.71*	
		For Elevated Installation >30' To 35', Add	*9.96*	
		For Elevated Installation >35' To 40', Add	*12.45*	
		For Elevated Installation >40', Add	*13.69*	
		For >1,000, Deduct	*-4.61*	
		For Installation In Metal Stud Wall, Add	*2.49*	
26 05 33 13-0071	LF	4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	62.25	11.18
		For >250 To 500, Deduct	*-1.68*	
		For >500 To 1,000, Deduct	*-3.95*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*7.18*	
		For Work In Restricted Working Space, Add	*8.62*	
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.74*	
		For Elevated Installation >20' To 25', Add	*7.18*	
		For Elevated Installation >25' To 30', Add	*10.05*	
		For Elevated Installation >30' To 35', Add	*11.49*	
		For Elevated Installation >35' To 40', Add	*14.36*	
		For Elevated Installation >40', Add	*15.80*	
		For >1,000, Deduct	*-5.51*	
		For Installation In Metal Stud Wall, Add	*2.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	100.16	14.17
		For >250 To 500, Deduct	*-3.24*	
		For >500 To 1,000, Deduct	*-6.63*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*5.31*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*8.86*	
		For Work In Restricted Working Space, Add	*10.63*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	
		For >1,000, Deduct	*-9.13*	
		For Installation In Metal Stud Wall, Add	*3.54*	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling	135.74	17.89
		For >250 To 500, Deduct	*-4.55*	
		For >500 To 1,000, Deduct	*-9.06*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*6.71*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*11.19*	
		For Work In Restricted Working Space, Add	*13.43*	
		For Elevated Installation >10' To 15', Add	*4.48*	
		For Elevated Installation >15' To 20', Add	*8.95*	
		For Elevated Installation >20' To 25', Add	*11.19*	
		For Elevated Installation >25' To 30', Add	*15.66*	
		For Elevated Installation >30' To 35', Add	*17.90*	
		For Elevated Installation >35' To 40', Add	*22.38*	
		For Elevated Installation >40', Add	*24.61*	
		For >1,000, Deduct	*-12.46*	
		For Installation In Metal Stud Wall, Add	*4.48*	

26 05 33 13-0074 Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	28.91	9.23
		For Work In Restricted Working Space, Add	*6.95*	
		For Elevated Installation >10' To 15', Add	*2.32*	
		For Elevated Installation >15' To 20', Add	*4.63*	
		For Elevated Installation >20' To 25', Add	*5.79*	
		For Elevated Installation >25' To 30', Add	*8.10*	
		For Elevated Installation >30' To 35', Add	*9.26*	
		For Elevated Installation >35' To 40', Add	*11.58*	
		For Elevated Installation >40', Add	*12.73*	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	36.38	11.46
		For Work In Restricted Working Space, Add	*8.63*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.07*	
		For Elevated Installation >30' To 35', Add	*11.51*	
		For Elevated Installation >35' To 40', Add	*14.39*	
		For Elevated Installation >40', Add	*15.83*	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	46.79	14.07
		For Work In Restricted Working Space, Add	*10.53*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	60.74	16.31
		For Work In Restricted Working Space, Add	*12.23*	
		For Elevated Installation >10' To 15', Add	*4.08*	
		For Elevated Installation >15' To 20', Add	*8.15*	
		For Elevated Installation >20' To 25', Add	*10.19*	
		For Elevated Installation >25' To 30', Add	*14.26*	
		For Elevated Installation >30' To 35', Add	*16.30*	
		For Elevated Installation >35' To 40', Add	*20.38*	
		For Elevated Installation >40', Add	*22.41*	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	70.61	18.74
		For Work In Restricted Working Space, Add	*14.03*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.35*	
		For Elevated Installation >20' To 25', Add	*11.69*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.71*	
		For Elevated Installation >35' To 40', Add	*23.39*	
		For Elevated Installation >40', Add	*25.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	84.23	20.60
		For Work In Restricted Working Space, Add	*15.44*	
		For Elevated Installation >10' To 15', Add	*5.15*	
		For Elevated Installation >15' To 20', Add	*10.29*	
		For Elevated Installation >20' To 25', Add	*12.86*	
		For Elevated Installation >25' To 30', Add	*18.01*	
		For Elevated Installation >30' To 35', Add	*20.58*	
		For Elevated Installation >35' To 40', Add	*25.73*	
		For Elevated Installation >40', Add	*28.30*	
26 05 33 13-0081	EA	2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	122.72	25.73
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
26 05 33 13-0082	EA	3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	174.58	35.06
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.81*	
		For Elevated Installation >40', Add	*48.19*	
26 05 33 13-0083	EA	3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	234.79	39.53
		For Work In Restricted Working Space, Add	*29.65*	
		For Elevated Installation >10' To 15', Add	*9.88*	
		For Elevated Installation >15' To 20', Add	*19.77*	
		For Elevated Installation >20' To 25', Add	*24.71*	
		For Elevated Installation >25' To 30', Add	*34.59*	
		For Elevated Installation >30' To 35', Add	*39.53*	
		For Elevated Installation >35' To 40', Add	*49.42*	
		For Elevated Installation >40', Add	*54.36*	
26 05 33 13-0084	EA	4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	285.31	51.46
		For Work In Restricted Working Space, Add	*38.59*	
		For Elevated Installation >10' To 15', Add	*12.86*	
		For Elevated Installation >15' To 20', Add	*25.72*	
		For Elevated Installation >20' To 25', Add	*32.16*	
		For Elevated Installation >25' To 30', Add	*45.02*	
		For Elevated Installation >30' To 35', Add	*51.45*	
		For Elevated Installation >35' To 40', Add	*64.31*	
		For Elevated Installation >40', Add	*70.74*	
26 05 33 13-0085	EA	5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	466.85	83.90
		For Work In Restricted Working Space, Add	*62.93*	
		For Elevated Installation >10' To 15', Add	*20.98*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.88*	
		For Elevated Installation >40', Add	*115.36*	
26 05 33 13-0086	EA	6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow	701.91	126.03
		For Work In Restricted Working Space, Add	*94.52*	
		For Elevated Installation >10' To 15', Add	*31.51*	
		For Elevated Installation >15' To 20', Add	*63.01*	
		For Elevated Installation >20' To 25', Add	*78.77*	
		For Elevated Installation >25' To 30', Add	*110.27*	
		For Elevated Installation >30' To 35', Add	*126.02*	
		For Elevated Installation >35' To 40', Add	*157.53*	
		For Elevated Installation >40', Add	*173.28*	

26 05 33 13-0087 Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0088	EA	1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	28.91	9.23
		For Work In Restricted Working Space, Add	*6.95*	
		For Elevated Installation >10' To 15', Add	*2.32*	
		For Elevated Installation >15' To 20', Add	*4.63*	
		For Elevated Installation >20' To 25', Add	*5.79*	
		For Elevated Installation >25' To 30', Add	*8.10*	
		For Elevated Installation >30' To 35', Add	*9.26*	
		For Elevated Installation >35' To 40', Add	*11.58*	
		For Elevated Installation >40', Add	*12.73*	
26 05 33 13-0089	EA	3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	36.38	11.46
		For Work In Restricted Working Space, Add	*8.63*	
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.07*	
		For Elevated Installation >30' To 35', Add	*11.51*	
		For Elevated Installation >35' To 40', Add	*14.39*	
		For Elevated Installation >40', Add	*15.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0090	EA	1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	46.79	14.07
		For Work In Restricted Working Space, Add	*10.53*	
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	60.74	16.31
		For Work In Restricted Working Space, Add	*12.23*	
		For Elevated Installation >10' To 15', Add	*4.08*	
		For Elevated Installation >15' To 20', Add	*8.15*	
		For Elevated Installation >20' To 25', Add	*10.19*	
		For Elevated Installation >25' To 30', Add	*14.26*	
		For Elevated Installation >30' To 35', Add	*16.30*	
		For Elevated Installation >35' To 40', Add	*20.38*	
		For Elevated Installation >40', Add	*22.41*	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	70.62	18.74
		For Work In Restricted Working Space, Add	*14.03*	
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.35*	
		For Elevated Installation >20' To 25', Add	*11.69*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.71*	
		For Elevated Installation >35' To 40', Add	*23.39*	
		For Elevated Installation >40', Add	*25.72*	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	84.23	20.60
		For Work In Restricted Working Space, Add	*15.44*	
		For Elevated Installation >10' To 15', Add	*5.15*	
		For Elevated Installation >15' To 20', Add	*10.29*	
		For Elevated Installation >20' To 25', Add	*12.86*	
		For Elevated Installation >25' To 30', Add	*18.01*	
		For Elevated Installation >30' To 35', Add	*20.58*	
		For Elevated Installation >35' To 40', Add	*25.73*	
		For Elevated Installation >40', Add	*28.30*	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	120.35	25.73
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	165.34	35.06
		For Work In Restricted Working Space, Add	*26.28*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.81*	
		For Elevated Installation >40', Add	*48.19*	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	221.80	39.53
		For Work In Restricted Working Space, Add	*29.65*	
		For Elevated Installation >10' To 15', Add	*9.88*	
		For Elevated Installation >15' To 20', Add	*19.77*	
		For Elevated Installation >20' To 25', Add	*24.71*	
		For Elevated Installation >25' To 30', Add	*34.59*	
		For Elevated Installation >30' To 35', Add	*39.53*	
		For Elevated Installation >35' To 40', Add	*49.42*	
		For Elevated Installation >40', Add	*54.36*	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	268.03	51.46
		For Work In Restricted Working Space, Add	*38.59*	
		For Elevated Installation >10' To 15', Add	*12.86*	
		For Elevated Installation >15' To 20', Add	*25.72*	
		For Elevated Installation >20' To 25', Add	*32.16*	
		For Elevated Installation >25' To 30', Add	*45.02*	
		For Elevated Installation >30' To 35', Add	*51.45*	
		For Elevated Installation >35' To 40', Add	*64.31*	
		For Elevated Installation >40', Add	*70.74*	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	466.85	83.90
		For Work In Restricted Working Space, Add	*62.93*	
		For Elevated Installation >10' To 15', Add	*20.98*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.88*	
		For Elevated Installation >40', Add	*115.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	701.91	126.03
		For Work In Restricted Working Space, Add	*94.52*	
		For Elevated Installation >10' To 15', Add	*31.51*	
		For Elevated Installation >15' To 20', Add	*63.01*	
		For Elevated Installation >20' To 25', Add	*78.77*	
		For Elevated Installation >25' To 30', Add	*110.27*	
		For Elevated Installation >30' To 35', Add	*126.02*	
		For Elevated Installation >35' To 40', Add	*157.53*	
		For Elevated Installation >40', Add	*173.28*	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0101	EA	1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	73.89	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0102	EA	1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	85.10	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0103	EA	1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	98.66	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0104	EA	2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	111.51	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	

26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0106	EA	1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	81.12	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0107	EA	1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	94.38	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0108	EA	1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	102.89	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0109	EA	2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	116.23	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0110	EA	2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	155.58	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	209.08	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	

26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	81.46	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	93.47	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	107.46	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	126.46	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	165.11	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	216.77	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	273.85	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	329.68	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0122	EA	1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	92.97	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0123	EA	1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	104.76	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0124	EA	1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	115.92	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0125	EA	2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	138.93	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0126	EA	2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	182.12	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0127	EA	3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	243.43	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0128	EA	3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	299.77	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0129	EA	4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	350.35	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0131	EA	1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	92.27	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0132	EA	1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	113.16	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0133	EA	1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	125.02	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0134	EA	2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	150.82	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0135	EA	2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	198.44	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0136	EA	3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	264.49	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0137	EA	3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	325.40	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0138	EA	4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	388.28	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0139	EA	5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	556.60	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	

26 05 33 13-0140 Rigid Galvanized Steel (RGS) 36" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0141	EA	1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	98.42	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0142	EA	1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	117.30	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0143	EA	1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	140.95	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0144	EA	2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	160.10	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0145	EA	2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	217.79	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0146	EA	3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	282.50	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0147	EA	3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	358.50	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0148	EA	4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	406.13	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0149	EA	5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	702.21	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-0150	EA	6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	881.51	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	107.43	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	128.30	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	152.65	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	172.33	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	232.59	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	308.88	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	384.96	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	482.27	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	807.25	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	972.47	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-0162 Rigid Galvanized Steel (RGS) 48" Large Radius Elbow *(26 05 33 13-0060)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0163	EA	1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	114.93	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0164	EA	1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	136.78	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0165	EA	1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	160.04	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0166	EA	2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	195.17	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0167	EA	2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	259.89	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0168	EA	3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	335.47	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0169	EA	3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	418.23	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0170	EA	4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	522.69	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-0171	EA	5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	840.14	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-0172	EA	6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	990.87	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	
26 05 33 13-0173		**Rigid Galvanized Steel (RGS) Plastic Insulating Bushing** *(26 05 33 13-0060)*		
26 05 33 13-0174	EA	1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	12.30	5.94
		For Work In Restricted Working Space, Add	*3.57*	
		For Elevated Installation >10' To 15', Add	*1.19*	
		For Elevated Installation >15' To 20', Add	*2.38*	
		For Elevated Installation >20' To 25', Add	*2.97*	
		For Elevated Installation >25' To 30', Add	*4.16*	
		For Elevated Installation >30' To 35', Add	*4.76*	
		For Elevated Installation >35' To 40', Add	*5.95*	
		For Elevated Installation >40', Add	*6.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.57*	
26 05 33 13-0175	EA	3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	13.22	6.34
		For Work In Restricted Working Space, Add	*3.80*	
		For Elevated Installation >10' To 15', Add	*1.27*	
		For Elevated Installation >15' To 20', Add	*2.54*	
		For Elevated Installation >20' To 25', Add	*3.17*	
		For Elevated Installation >25' To 30', Add	*4.44*	
		For Elevated Installation >30' To 35', Add	*5.07*	
		For Elevated Installation >35' To 40', Add	*6.34*	
		For Elevated Installation >40', Add	*6.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-0176	EA	1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	15.07	7.13
		For Work In Restricted Working Space, Add	*4.28*	
		For Elevated Installation >10' To 15', Add	*1.43*	
		For Elevated Installation >15' To 20', Add	*2.85*	
		For Elevated Installation >20' To 25', Add	*3.57*	
		For Elevated Installation >25' To 30', Add	*4.99*	
		For Elevated Installation >30' To 35', Add	*5.70*	
		For Elevated Installation >35' To 40', Add	*7.13*	
		For Elevated Installation >40', Add	*7.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.28*	
26 05 33 13-0177	EA	1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	17.03	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0178	EA	1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	21.42	9.90
		For Work In Restricted Working Space, Add	*5.94*	
		For Elevated Installation >10' To 15', Add	*1.98*	
		For Elevated Installation >15' To 20', Add	*3.96*	
		For Elevated Installation >20' To 25', Add	*4.95*	
		For Elevated Installation >25' To 30', Add	*6.93*	
		For Elevated Installation >30' To 35', Add	*7.92*	
		For Elevated Installation >35' To 40', Add	*9.91*	
		For Elevated Installation >40', Add	*10.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.94*	
26 05 33 13-0179	EA	2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	26.76	11.89
		For Work In Restricted Working Space, Add	*7.13*	
		For Elevated Installation >10' To 15', Add	*2.38*	
		For Elevated Installation >15' To 20', Add	*4.75*	
		For Elevated Installation >20' To 25', Add	*5.94*	
		For Elevated Installation >25' To 30', Add	*8.32*	
		For Elevated Installation >30' To 35', Add	*9.51*	
		For Elevated Installation >35' To 40', Add	*11.89*	
		For Elevated Installation >40', Add	*13.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.13*	
26 05 33 13-0180	EA	2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	34.33	13.86
		For Work In Restricted Working Space, Add	*8.32*	
		For Elevated Installation >10' To 15', Add	*2.77*	
		For Elevated Installation >15' To 20', Add	*5.55*	
		For Elevated Installation >20' To 25', Add	*6.93*	
		For Elevated Installation >25' To 30', Add	*9.71*	
		For Elevated Installation >30' To 35', Add	*11.09*	
		For Elevated Installation >35' To 40', Add	*13.87*	
		For Elevated Installation >40', Add	*15.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-0181	EA	3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	38.66	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-0182	EA	3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	45.32	14.91
		For Work In Restricted Working Space, Add	*10.70*	
		For Elevated Installation >10' To 15', Add	*3.57*	
		For Elevated Installation >15' To 20', Add	*7.13*	
		For Elevated Installation >20' To 25', Add	*8.92*	
		For Elevated Installation >25' To 30', Add	*12.48*	
		For Elevated Installation >30' To 35', Add	*14.26*	
		For Elevated Installation >35' To 40', Add	*17.83*	
		For Elevated Installation >40', Add	*19.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.70*	
26 05 33 13-0183	EA	4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	50.27	19.81
		For Work In Restricted Working Space, Add	*11.89*	
		For Elevated Installation >10' To 15', Add	*3.96*	
		For Elevated Installation >15' To 20', Add	*7.92*	
		For Elevated Installation >20' To 25', Add	*9.91*	
		For Elevated Installation >25' To 30', Add	*13.87*	
		For Elevated Installation >30' To 35', Add	*15.85*	
		For Elevated Installation >35' To 40', Add	*19.81*	
		For Elevated Installation >40', Add	*21.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.89*	
26 05 33 13-0184	EA	5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	61.73	21.79
		For Work In Restricted Working Space, Add	*13.07*	
		For Elevated Installation >10' To 15', Add	*4.36*	
		For Elevated Installation >15' To 20', Add	*8.72*	
		For Elevated Installation >20' To 25', Add	*10.90*	
		For Elevated Installation >25' To 30', Add	*15.25*	
		For Elevated Installation >30' To 35', Add	*17.43*	
		For Elevated Installation >35' To 40', Add	*21.79*	
		For Elevated Installation >40', Add	*23.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.07*	
26 05 33 13-0185	EA	6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing	93.49	23.77
		For Work In Restricted Working Space, Add	*14.26*	
		For Elevated Installation >10' To 15', Add	*4.75*	
		For Elevated Installation >15' To 20', Add	*9.51*	
		For Elevated Installation >20' To 25', Add	*11.89*	
		For Elevated Installation >25' To 30', Add	*16.64*	
		For Elevated Installation >30' To 35', Add	*19.02*	
		For Elevated Installation >35' To 40', Add	*23.77*	
		For Elevated Installation >40', Add	*26.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.26*	

26 05 33 13-0186 Rigid Galvanized Steel (RGS) Steel Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0187	EA	1/2" Rigid Galvanized Steel (RGS) Steel Bushing	14.99	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0188	EA	3/4" Rigid Galvanized Steel (RGS) Steel Bushing	16.38	7.46
		For Work In Restricted Working Space, Add	*4.47*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.98*	
		For Elevated Installation >20' To 25', Add	*3.73*	
		For Elevated Installation >25' To 30', Add	*5.22*	
		For Elevated Installation >30' To 35', Add	*5.96*	
		For Elevated Installation >35' To 40', Add	*7.46*	
		For Elevated Installation >40', Add	*8.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-0189	EA	1" Rigid Galvanized Steel (RGS) Steel Bushing	19.34	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing	21.81	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	27.98	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing	32.99	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	48.43	16.31
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing	58.02	18.65
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing	90.36	20.97
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing	125.12	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing	170.36	25.64
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing	256.93	27.96
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.78*	

26 05 33 13-0199 Rigid Galvanized Steel (RGS) Steel Insulated Bushing *(26 05 33 13-0060)*

26 05 33 13-0200	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	16.18	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0201	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	18.18	7.46
		For Work In Restricted Working Space, Add	*4.47*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.98*	
		For Elevated Installation >20' To 25', Add	*3.73*	
		For Elevated Installation >25' To 30', Add	*5.22*	
		For Elevated Installation >30' To 35', Add	*5.96*	
		For Elevated Installation >35' To 40', Add	*7.46*	
		For Elevated Installation >40', Add	*8.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-0202	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	21.60	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0203	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	25.63	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0204	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	31.95	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0205	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	40.04	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 05 33 13-0206	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	57.99	16.31
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-0207	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	69.23	18.65
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.19*	
26 05 33 13-0208	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	92.45	20.97
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	
26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	134.47	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	180.54	25.64
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing	260.51	27.96
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.78*	

26 05 33 13-0212 Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	25.65	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	28.78	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	33.14	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	39.64	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	47.76	14.45
		For Work In Restricted Working Space, Add	*8.67*	
		For Elevated Installation >10' To 15', Add	*2.89*	
		For Elevated Installation >15' To 20', Add	*5.78*	
		For Elevated Installation >20' To 25', Add	*7.23*	
		For Elevated Installation >25' To 30', Add	*10.12*	
		For Elevated Installation >30' To 35', Add	*11.56*	
		For Elevated Installation >35' To 40', Add	*14.45*	
		For Elevated Installation >40', Add	*15.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.67*	
26 05 33 13-0218	EA	2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	60.69	17.24
		For Work In Restricted Working Space, Add	*10.35*	
		For Elevated Installation >10' To 15', Add	*3.45*	
		For Elevated Installation >15' To 20', Add	*6.90*	
		For Elevated Installation >20' To 25', Add	*8.62*	
		For Elevated Installation >25' To 30', Add	*12.07*	
		For Elevated Installation >30' To 35', Add	*13.80*	
		For Elevated Installation >35' To 40', Add	*17.25*	
		For Elevated Installation >40', Add	*18.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.35*	
26 05 33 13-0219	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	82.88	20.04
		For Work In Restricted Working Space, Add	*12.02*	
		For Elevated Installation >10' To 15', Add	*4.01*	
		For Elevated Installation >15' To 20', Add	*8.02*	
		For Elevated Installation >20' To 25', Add	*10.02*	
		For Elevated Installation >25' To 30', Add	*14.03*	
		For Elevated Installation >30' To 35', Add	*16.03*	
		For Elevated Installation >35' To 40', Add	*20.04*	
		For Elevated Installation >40', Add	*22.04*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.02*	
26 05 33 13-0220	EA	3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	90.77	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0221	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	102.78	26.10
		For Work In Restricted Working Space, Add	*15.66*	
		For Elevated Installation >10' To 15', Add	*5.22*	
		For Elevated Installation >15' To 20', Add	*10.44*	
		For Elevated Installation >20' To 25', Add	*13.05*	
		For Elevated Installation >25' To 30', Add	*18.27*	
		For Elevated Installation >30' To 35', Add	*20.88*	
		For Elevated Installation >35' To 40', Add	*26.11*	
		For Elevated Installation >40', Add	*28.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	
26 05 33 13-0222	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	135.20	28.90
		For Work In Restricted Working Space, Add	*17.34*	
		For Elevated Installation >10' To 15', Add	*5.78*	
		For Elevated Installation >15' To 20', Add	*11.56*	
		For Elevated Installation >20' To 25', Add	*14.45*	
		For Elevated Installation >25' To 30', Add	*20.23*	
		For Elevated Installation >30' To 35', Add	*23.12*	
		For Elevated Installation >35' To 40', Add	*28.90*	
		For Elevated Installation >40', Add	*31.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.34*	
26 05 33 13-0223	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	196.64	31.70
		For Work In Restricted Working Space, Add	*19.02*	
		For Elevated Installation >10' To 15', Add	*6.34*	
		For Elevated Installation >15' To 20', Add	*12.68*	
		For Elevated Installation >20' To 25', Add	*15.85*	
		For Elevated Installation >25' To 30', Add	*22.19*	
		For Elevated Installation >30' To 35', Add	*25.36*	
		For Elevated Installation >35' To 40', Add	*31.70*	
		For Elevated Installation >40', Add	*34.86*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.02*	
26 05 33 13-0224	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing	275.31	34.96
		For Work In Restricted Working Space, Add	*20.97*	
		For Elevated Installation >10' To 15', Add	*6.99*	
		For Elevated Installation >15' To 20', Add	*13.98*	
		For Elevated Installation >20' To 25', Add	*17.48*	
		For Elevated Installation >25' To 30', Add	*24.47*	
		For Elevated Installation >30' To 35', Add	*27.96*	
		For Elevated Installation >35' To 40', Add	*34.96*	
		For Elevated Installation >40', Add	*38.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.97*	
26 05 33 13-0225		**Rigid Galvanized Steel (RGS) Box Connectors With Set Screw** *(26 05 33 13-0060)*		
26 05 33 13-0226	EA	1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	14.75	4.29
		For Work In Restricted Working Space, Add	*3.19*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.66*	
		For Elevated Installation >25' To 30', Add	*3.72*	
		For Elevated Installation >30' To 35', Add	*4.26*	
		For Elevated Installation >35' To 40', Add	*5.32*	
		For Elevated Installation >40', Add	*5.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.19*	
26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	18.02	4.94
		For Work In Restricted Working Space, Add	*3.70*	
		For Elevated Installation >10' To 15', Add	*1.23*	
		For Elevated Installation >15' To 20', Add	*2.46*	
		For Elevated Installation >20' To 25', Add	*3.08*	
		For Elevated Installation >25' To 30', Add	*4.31*	
		For Elevated Installation >30' To 35', Add	*4.93*	
		For Elevated Installation >35' To 40', Add	*6.16*	
		For Elevated Installation >40', Add	*6.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.70*	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw	23.94	5.97
		For Work In Restricted Working Space, Add	*4.46*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.97*	
		For Elevated Installation >20' To 25', Add	*3.71*	
		For Elevated Installation >25' To 30', Add	*5.20*	
		For Elevated Installation >30' To 35', Add	*5.94*	
		For Elevated Installation >35' To 40', Add	*7.43*	
		For Elevated Installation >40', Add	*8.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.46*	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	36.30	7.36
		For Work In Restricted Working Space, Add	*5.54*	
		For Elevated Installation >10' To 15', Add	*1.85*	
		For Elevated Installation >15' To 20', Add	*3.69*	
		For Elevated Installation >20' To 25', Add	*4.62*	
		For Elevated Installation >25' To 30', Add	*6.46*	
		For Elevated Installation >30' To 35', Add	*7.39*	
		For Elevated Installation >35' To 40', Add	*9.24*	
		For Elevated Installation >40', Add	*10.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	49.20	9.88
		For Work In Restricted Working Space, Add	*7.42*	
		For Elevated Installation >10' To 15', Add	*2.47*	
		For Elevated Installation >15' To 20', Add	*4.94*	
		For Elevated Installation >20' To 25', Add	*6.18*	
		For Elevated Installation >25' To 30', Add	*8.65*	
		For Elevated Installation >30' To 35', Add	*9.89*	
		For Elevated Installation >35' To 40', Add	*12.36*	
		For Elevated Installation >40', Add	*13.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.42*	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	85.04	14.82
		For Work In Restricted Working Space, Add	*11.11*	
		For Elevated Installation >10' To 15', Add	*3.70*	
		For Elevated Installation >15' To 20', Add	*7.41*	
		For Elevated Installation >20' To 25', Add	*9.26*	
		For Elevated Installation >25' To 30', Add	*12.96*	
		For Elevated Installation >30' To 35', Add	*14.81*	
		For Elevated Installation >35' To 40', Add	*18.52*	
		For Elevated Installation >40', Add	*20.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.11*	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	159.81	16.41
		For Work In Restricted Working Space, Add	*12.30*	
		For Elevated Installation >10' To 15', Add	*4.10*	
		For Elevated Installation >15' To 20', Add	*8.20*	
		For Elevated Installation >20' To 25', Add	*10.25*	
		For Elevated Installation >25' To 30', Add	*14.35*	
		For Elevated Installation >30' To 35', Add	*16.40*	
		For Elevated Installation >35' To 40', Add	*20.51*	
		For Elevated Installation >40', Add	*22.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	190.30	19.86
		For Work In Restricted Working Space, Add	*14.90*	
		For Elevated Installation >10' To 15', Add	*4.97*	
		For Elevated Installation >15' To 20', Add	*9.94*	
		For Elevated Installation >20' To 25', Add	*12.42*	
		For Elevated Installation >25' To 30', Add	*17.39*	
		For Elevated Installation >30' To 35', Add	*19.87*	
		For Elevated Installation >35' To 40', Add	*24.84*	
		For Elevated Installation >40', Add	*27.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.90*	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	258.58	24.89
		For Work In Restricted Working Space, Add	*18.66*	
		For Elevated Installation >10' To 15', Add	*6.22*	
		For Elevated Installation >15' To 20', Add	*12.44*	
		For Elevated Installation >20' To 25', Add	*15.55*	
		For Elevated Installation >25' To 30', Add	*21.77*	
		For Elevated Installation >30' To 35', Add	*24.88*	
		For Elevated Installation >35' To 40', Add	*31.10*	
		For Elevated Installation >40', Add	*34.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.66*	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	302.48	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-0236	EA	5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	543.53	33.19
		For Work In Restricted Working Space, Add	*24.86*	
		For Elevated Installation >10' To 15', Add	*8.29*	
		For Elevated Installation >15' To 20', Add	*16.57*	
		For Elevated Installation >20' To 25', Add	*20.72*	
		For Elevated Installation >25' To 30', Add	*29.00*	
		For Elevated Installation >30' To 35', Add	*33.15*	
		For Elevated Installation >35' To 40', Add	*41.44*	
		For Elevated Installation >40', Add	*45.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.86*	
26 05 33 13-0237	EA	6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw	650.84	37.29
		For Work In Restricted Working Space, Add	*27.96*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.30*	
		For Elevated Installation >25' To 30', Add	*32.62*	
		For Elevated Installation >30' To 35', Add	*37.28*	
		For Elevated Installation >35' To 40', Add	*46.60*	
		For Elevated Installation >40', Add	*51.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.96*	

26 05 33 13-0238 Rigid Galvanized Steel (RGS) Nipples *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0239	EA	1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	13.94	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0240	EA	3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	16.03	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0241	EA	1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	20.58	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0242	EA	1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	24.16	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0243	EA	1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple	27.62	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0244	EA	1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	14.09	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.26	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	20.83	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	24.50	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	28.17	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	31.99	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	14.25	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	16.47	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	21.18	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	24.81	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	28.55	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	32.91	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	45.76	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	61.10	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	14.45	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	16.58	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	21.65	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	25.40	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.33	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple	33.86	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	48.33	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	63.32	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	14.65	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	16.93	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	21.93	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	25.69	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	29.86	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	34.66	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	49.11	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	64.96	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	75.14	24.70
		For Work In Restricted Working Space, Add	*14.82*	
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.70*	
		For Elevated Installation >40', Add	*27.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple	93.21	32.16
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	14.95	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	17.37	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	22.50	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	26.51	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	30.66	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0281	EA	2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	36.09	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0282	EA	2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	52.28	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-0283	EA	3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	68.40	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0284	EA	3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	78.56	24.70
		For Work In Restricted Working Space, Add	*14.82*	
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.70*	
		For Elevated Installation >40', Add	*27.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0285	EA	4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	98.20	32.16
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-0286	EA	5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	154.34	44.28
		For Work In Restricted Working Space, Add	*26.57*	
		For Elevated Installation >10' To 15', Add	*8.86*	
		For Elevated Installation >15' To 20', Add	*17.71*	
		For Elevated Installation >20' To 25', Add	*22.14*	
		For Elevated Installation >25' To 30', Add	*31.00*	
		For Elevated Installation >30' To 35', Add	*35.42*	
		For Elevated Installation >35' To 40', Add	*44.28*	
		For Elevated Installation >40', Add	*48.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0287	EA	6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple	195.59	56.77
		For Work In Restricted Working Space, Add	*34.08*	
		For Elevated Installation >10' To 15', Add	*11.36*	
		For Elevated Installation >15' To 20', Add	*22.72*	
		For Elevated Installation >20' To 25', Add	*28.40*	
		For Elevated Installation >25' To 30', Add	*39.76*	
		For Elevated Installation >30' To 35', Add	*45.44*	
		For Elevated Installation >35' To 40', Add	*56.81*	
		For Elevated Installation >40', Add	*62.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.08*	
26 05 33 13-0288	EA	1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	15.50	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0289	EA	3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	17.93	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	22.95	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	27.26	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	32.35	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	37.53	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	55.06	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	71.88	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	82.72	24.70
		For Work In Restricted Working Space, Add	*14.82*	
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.70*	
		For Elevated Installation >40', Add	*27.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	102.16	32.16
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	160.13	44.28
		For Work In Restricted Working Space, Add	*26.57*	
		For Elevated Installation >10' To 15', Add	*8.86*	
		For Elevated Installation >15' To 20', Add	*17.71*	
		For Elevated Installation >20' To 25', Add	*22.14*	
		For Elevated Installation >25' To 30', Add	*31.00*	
		For Elevated Installation >30' To 35', Add	*35.42*	
		For Elevated Installation >35' To 40', Add	*44.28*	
		For Elevated Installation >40', Add	*48.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	
26 05 33 13-0299	EA	6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple	204.07	56.77
		For Work In Restricted Working Space, Add	*34.08*	
		For Elevated Installation >10' To 15', Add	*11.36*	
		For Elevated Installation >15' To 20', Add	*22.72*	
		For Elevated Installation >20' To 25', Add	*28.40*	
		For Elevated Installation >25' To 30', Add	*39.76*	
		For Elevated Installation >30' To 35', Add	*45.44*	
		For Elevated Installation >35' To 40', Add	*56.81*	
		For Elevated Installation >40', Add	*62.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.08*	
26 05 33 13-0300	EA	1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	17.51	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0301	EA	3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	20.50	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0302	EA	1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	25.97	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0303	EA	1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	31.57	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0304	EA	1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	37.15	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0305	EA	2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	42.58	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0306	EA	2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	62.42	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-0307	EA	3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	80.34	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	91.15	24.70
		For Work In Restricted Working Space, Add	*14.82*	
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.70*	
		For Elevated Installation >40', Add	*27.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	111.47	32.16
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	173.57	44.28
		For Work In Restricted Working Space, Add	*26.57*	
		For Elevated Installation >10' To 15', Add	*8.86*	
		For Elevated Installation >15' To 20', Add	*17.71*	
		For Elevated Installation >20' To 25', Add	*22.14*	
		For Elevated Installation >25' To 30', Add	*31.00*	
		For Elevated Installation >30' To 35', Add	*35.42*	
		For Elevated Installation >35' To 40', Add	*44.28*	
		For Elevated Installation >40', Add	*48.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple	219.16	56.77
		For Work In Restricted Working Space, Add	*34.08*	
		For Elevated Installation >10' To 15', Add	*11.36*	
		For Elevated Installation >15' To 20', Add	*22.72*	
		For Elevated Installation >20' To 25', Add	*28.40*	
		For Elevated Installation >25' To 30', Add	*39.76*	
		For Elevated Installation >30' To 35', Add	*45.44*	
		For Elevated Installation >35' To 40', Add	*56.81*	
		For Elevated Installation >40', Add	*62.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.08*	
26 05 33 13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	18.86	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	21.81	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	28.37	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	34.42	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	39.96	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	45.84	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	67.37	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	86.99	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	99.91	24.70
		For Work In Restricted Working Space, Add	*14.82*	
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.70*	
		For Elevated Installation >40', Add	*27.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	122.56	32.16
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	188.23	44.28
		For Work In Restricted Working Space, Add	*26.57*	
		For Elevated Installation >10' To 15', Add	*8.86*	
		For Elevated Installation >15' To 20', Add	*17.71*	
		For Elevated Installation >20' To 25', Add	*22.14*	
		For Elevated Installation >25' To 30', Add	*31.00*	
		For Elevated Installation >30' To 35', Add	*35.42*	
		For Elevated Installation >35' To 40', Add	*44.28*	
		For Elevated Installation >40', Add	*48.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	245.53	56.77
		For Work In Restricted Working Space, Add	*34.08*	
		For Elevated Installation >10' To 15', Add	*11.36*	
		For Elevated Installation >15' To 20', Add	*22.72*	
		For Elevated Installation >20' To 25', Add	*28.40*	
		For Elevated Installation >25' To 30', Add	*39.76*	
		For Elevated Installation >30' To 35', Add	*45.44*	
		For Elevated Installation >35' To 40', Add	*56.81*	
		For Elevated Installation >40', Add	*62.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.08*	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	19.89	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	22.78	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	29.81	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	36.71	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	41.37	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	48.58	13.05
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	73.19	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	96.23	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	108.43	24.70
		For Work In Restricted Working Space, Add	*14.82*	
		For Elevated Installation >10' To 15', Add	*4.94*	
		For Elevated Installation >15' To 20', Add	*9.88*	
		For Elevated Installation >20' To 25', Add	*12.35*	
		For Elevated Installation >25' To 30', Add	*17.29*	
		For Elevated Installation >30' To 35', Add	*19.76*	
		For Elevated Installation >35' To 40', Add	*24.70*	
		For Elevated Installation >40', Add	*27.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	133.66	32.16
		For Work In Restricted Working Space, Add	*19.29*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	209.29	44.28
		For Work In Restricted Working Space, Add	*26.57*	
		For Elevated Installation >10' To 15', Add	*8.86*	
		For Elevated Installation >15' To 20', Add	*17.71*	
		For Elevated Installation >20' To 25', Add	*22.14*	
		For Elevated Installation >25' To 30', Add	*31.00*	
		For Elevated Installation >30' To 35', Add	*35.42*	
		For Elevated Installation >35' To 40', Add	*44.28*	
		For Elevated Installation >40', Add	*48.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0335	EA	6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	260.18	56.77
		For Work In Restricted Working Space, Add	*34.08*	
		For Elevated Installation >10' To 15', Add	*11.36*	
		For Elevated Installation >15' To 20', Add	*22.72*	
		For Elevated Installation >20' To 25', Add	*28.40*	
		For Elevated Installation >25' To 30', Add	*39.76*	
		For Elevated Installation >30' To 35', Add	*45.44*	
		For Elevated Installation >35' To 40', Add	*56.81*	
		For Elevated Installation >40', Add	*62.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.08*	

26 05 33 13-0336 Rigid Galvanized Steel (RGS) Off-Set Nipples *(26 05 33 13-0060)*

26 05 33 13-0337	EA	1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple	14.40	4.84
		For Work In Restricted Working Space, Add	*3.66*	
		For Elevated Installation >10' To 15', Add	*1.22*	
		For Elevated Installation >15' To 20', Add	*2.44*	
		For Elevated Installation >20' To 25', Add	*3.05*	
		For Elevated Installation >25' To 30', Add	*4.27*	
		For Elevated Installation >30' To 35', Add	*4.88*	
		For Elevated Installation >35' To 40', Add	*6.11*	
		For Elevated Installation >40', Add	*6.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.66*	
26 05 33 13-0338	EA	3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple	17.25	5.60
		For Work In Restricted Working Space, Add	*4.17*	
		For Elevated Installation >10' To 15', Add	*1.39*	
		For Elevated Installation >15' To 20', Add	*2.78*	
		For Elevated Installation >20' To 25', Add	*3.48*	
		For Elevated Installation >25' To 30', Add	*4.87*	
		For Elevated Installation >30' To 35', Add	*5.56*	
		For Elevated Installation >35' To 40', Add	*6.95*	
		For Elevated Installation >40', Add	*7.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.17*	
26 05 33 13-0339	EA	1" Rigid Galvanized Steel (RGS) Off-Set Nipple	21.61	7.08
		For Work In Restricted Working Space, Add	*5.33*	
		For Elevated Installation >10' To 15', Add	*1.78*	
		For Elevated Installation >15' To 20', Add	*3.56*	
		For Elevated Installation >20' To 25', Add	*4.45*	
		For Elevated Installation >25' To 30', Add	*6.22*	
		For Elevated Installation >30' To 35', Add	*7.11*	
		For Elevated Installation >35' To 40', Add	*8.89*	
		For Elevated Installation >40', Add	*9.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.33*	
26 05 33 13-0340	EA	1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	27.49	8.49
		For Work In Restricted Working Space, Add	*6.39*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.26*	
		For Elevated Installation >20' To 25', Add	*5.33*	
		For Elevated Installation >25' To 30', Add	*7.46*	
		For Elevated Installation >30' To 35', Add	*8.52*	
		For Elevated Installation >35' To 40', Add	*10.66*	
		For Elevated Installation >40', Add	*11.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.39*	
26 05 33 13-0341	EA	1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	30.10	9.32
		For Work In Restricted Working Space, Add	*7.00*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.33*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.00*	
26 05 33 13-0342	EA	2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	39.50	11.46
		For Work In Restricted Working Space, Add	*8.62*	
		For Elevated Installation >10' To 15', Add	*2.87*	
		For Elevated Installation >15' To 20', Add	*5.75*	
		For Elevated Installation >20' To 25', Add	*7.18*	
		For Elevated Installation >25' To 30', Add	*10.06*	
		For Elevated Installation >30' To 35', Add	*11.49*	
		For Elevated Installation >35' To 40', Add	*14.37*	
		For Elevated Installation >40', Add	*15.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.62*	
26 05 33 13-0343	EA	2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	64.55	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0344	EA	3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	105.07	25.73
		For Work In Restricted Working Space, Add	*19.30*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.73*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.30*	
26 05 33 13-0345	EA	3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	130.59	30.39
		For Work In Restricted Working Space, Add	*22.67*	
		For Elevated Installation >10' To 15', Add	*7.56*	
		For Elevated Installation >15' To 20', Add	*15.11*	
		For Elevated Installation >20' To 25', Add	*18.89*	
		For Elevated Installation >25' To 30', Add	*26.45*	
		For Elevated Installation >30' To 35', Add	*30.22*	
		For Elevated Installation >35' To 40', Add	*37.78*	
		For Elevated Installation >40', Add	*41.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.67*	
26 05 33 13-0346	EA	4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated	156.86	35.06
		For Work In Restricted Working Space, Add	*26.29*	
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.53*	
		For Elevated Installation >20' To 25', Add	*21.91*	
		For Elevated Installation >25' To 30', Add	*30.67*	
		For Elevated Installation >30' To 35', Add	*35.05*	
		For Elevated Installation >35' To 40', Add	*43.82*	
		For Elevated Installation >40', Add	*48.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.29*	

26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling *(26 05 33 13-0060)*

Note: Erickson fittings.

26 05 33 13-0348	EA	1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	40.10	14.91
		For Work In Restricted Working Space, Add	*11.20*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.47*	
		For Elevated Installation >20' To 25', Add	*9.33*	
		For Elevated Installation >25' To 30', Add	*13.07*	
		For Elevated Installation >30' To 35', Add	*14.93*	
		For Elevated Installation >35' To 40', Add	*18.67*	
		For Elevated Installation >40', Add	*20.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.20*	
26 05 33 13-0349	EA	3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	45.22	16.69
		For Work In Restricted Working Space, Add	*12.50*	
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.33*	
		For Elevated Installation >20' To 25', Add	*10.42*	
		For Elevated Installation >25' To 30', Add	*14.58*	
		For Elevated Installation >30' To 35', Add	*16.67*	
		For Elevated Installation >35' To 40', Add	*20.84*	
		For Elevated Installation >40', Add	*22.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 05 33 13-0350	EA	1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	52.96	18.55
		For Work In Restricted Working Space, Add	*13.92*	
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.92*	
26 05 33 13-0351	EA	1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	64.77	20.32
		For Work In Restricted Working Space, Add	*15.24*	
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.70*	
		For Elevated Installation >25' To 30', Add	*17.78*	
		For Elevated Installation >30' To 35', Add	*20.32*	
		For Elevated Installation >35' To 40', Add	*25.40*	
		For Elevated Installation >40', Add	*27.93*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.24*	
26 05 33 13-0352	EA	1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	72.32	22.19
		For Work In Restricted Working Space, Add	*16.67*	
		For Elevated Installation >10' To 15', Add	*5.56*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.45*	
		For Elevated Installation >30' To 35', Add	*22.23*	
		For Elevated Installation >35' To 40', Add	*27.79*	
		For Elevated Installation >40', Add	*30.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353	EA	2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	93.72	24.05
		For Work In Restricted Working Space, Add	*18.05*	
		For Elevated Installation >10' To 15', Add	*6.02*	
		For Elevated Installation >15' To 20', Add	*12.03*	
		For Elevated Installation >20' To 25', Add	*15.04*	
		For Elevated Installation >25' To 30', Add	*21.06*	
		For Elevated Installation >30' To 35', Add	*24.07*	
		For Elevated Installation >35' To 40', Add	*30.09*	
		For Elevated Installation >40', Add	*33.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.05*	
26 05 33 13-0354	EA	2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	152.28	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-0355	EA	3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	211.17	37.29
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.97*	
26 05 33 13-0356	EA	3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	308.37	44.75
		For Work In Restricted Working Space, Add	*33.57*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.38*	
		For Elevated Installation >20' To 25', Add	*27.98*	
		For Elevated Installation >25' To 30', Add	*39.17*	
		For Elevated Installation >30' To 35', Add	*44.76*	
		For Elevated Installation >35' To 40', Add	*55.96*	
		For Elevated Installation >40', Add	*61.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.57*	
26 05 33 13-0357	EA	4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	352.21	48.48
		For Work In Restricted Working Space, Add	*36.35*	
		For Elevated Installation >10' To 15', Add	*12.12*	
		For Elevated Installation >15' To 20', Add	*24.24*	
		For Elevated Installation >20' To 25', Add	*30.30*	
		For Elevated Installation >25' To 30', Add	*42.41*	
		For Elevated Installation >30' To 35', Add	*48.47*	
		For Elevated Installation >35' To 40', Add	*60.59*	
		For Elevated Installation >40', Add	*66.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 05 33 13-0358	EA	5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	623.30	59.66
		For Work In Restricted Working Space, Add	*44.74*	
		For Elevated Installation >10' To 15', Add	*14.91*	
		For Elevated Installation >15' To 20', Add	*29.83*	
		For Elevated Installation >20' To 25', Add	*37.29*	
		For Elevated Installation >25' To 30', Add	*52.20*	
		For Elevated Installation >30' To 35', Add	*59.66*	
		For Elevated Installation >35' To 40', Add	*74.57*	
		For Elevated Installation >40', Add	*82.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.74*	
26 05 33 13-0359	EA	6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson)	804.46	68.99
		For Work In Restricted Working Space, Add	*51.73*	
		For Elevated Installation >10' To 15', Add	*17.24*	
		For Elevated Installation >15' To 20', Add	*34.49*	
		For Elevated Installation >20' To 25', Add	*43.11*	
		For Elevated Installation >25' To 30', Add	*60.35*	
		For Elevated Installation >30' To 35', Add	*68.98*	
		For Elevated Installation >35' To 40', Add	*86.22*	
		For Elevated Installation >40', Add	*94.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*51.73*	

26 05 33 13-0360 Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0060)*

26 05 33 13-0361	EA	1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	24.53	7.46
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362	EA	3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	27.46	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
26 05 33 13-0363	EA	1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	31.59	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0364	EA	1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	36.10	10.07
		For Work In Restricted Working Space, Add	*7.55*	
		For Elevated Installation >10' To 15', Add	*2.52*	
		For Elevated Installation >15' To 20', Add	*5.03*	
		For Elevated Installation >20' To 25', Add	*6.29*	
		For Elevated Installation >25' To 30', Add	*8.81*	
		For Elevated Installation >30' To 35', Add	*10.07*	
		For Elevated Installation >35' To 40', Add	*12.59*	
		For Elevated Installation >40', Add	*13.84*	
26 05 33 13-0365	EA	1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	43.19	11.18
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0366	EA	2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	53.28	12.31
		For Work In Restricted Working Space, Add	*9.23*	
		For Elevated Installation >10' To 15', Add	*3.08*	
		For Elevated Installation >15' To 20', Add	*6.15*	
		For Elevated Installation >20' To 25', Add	*7.69*	
		For Elevated Installation >25' To 30', Add	*10.77*	
		For Elevated Installation >30' To 35', Add	*12.30*	
		For Elevated Installation >35' To 40', Add	*15.38*	
		For Elevated Installation >40', Add	*16.92*	
26 05 33 13-0367	EA	2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	73.38	14.91
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0368	EA	3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	90.65	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
26 05 33 13-0369	EA	3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	108.91	22.38
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
26 05 33 13-0370	EA	4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector	123.51	24.23
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	21.66	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	24.16	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	29.76	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	36.74	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	46.94	18.65
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.19*	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	54.84	20.97
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	68.50	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	93.05	29.37
		For Work In Restricted Working Space, Add	*17.62*	
		For Elevated Installation >10' To 15', Add	*5.87*	
		For Elevated Installation >15' To 20', Add	*11.75*	
		For Elevated Installation >20' To 25', Add	*14.68*	
		For Elevated Installation >25' To 30', Add	*20.56*	
		For Elevated Installation >30' To 35', Add	*23.49*	
		For Elevated Installation >35' To 40', Add	*29.37*	
		For Elevated Installation >40', Add	*32.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	110.24	35.43
		For Work In Restricted Working Space, Add	*21.25*	
		For Elevated Installation >10' To 15', Add	*7.08*	
		For Elevated Installation >15' To 20', Add	*14.17*	
		For Elevated Installation >20' To 25', Add	*17.71*	
		For Elevated Installation >25' To 30', Add	*24.79*	
		For Elevated Installation >30' To 35', Add	*28.34*	
		For Elevated Installation >35' To 40', Add	*35.42*	
		For Elevated Installation >40', Add	*38.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.25*	
26 05 33 13-0381	EA	4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	135.85	41.95
		For Work In Restricted Working Space, Add	*25.17*	
		For Elevated Installation >10' To 15', Add	*8.39*	
		For Elevated Installation >15' To 20', Add	*16.78*	
		For Elevated Installation >20' To 25', Add	*20.98*	
		For Elevated Installation >25' To 30', Add	*29.37*	
		For Elevated Installation >30' To 35', Add	*33.56*	
		For Elevated Installation >35' To 40', Add	*41.95*	
		For Elevated Installation >40', Add	*46.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.17*	

26 05 33 13-0382 Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX

26 05 33 13-0383	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	113.16	14.91
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0384	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	128.56	16.78
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
26 05 33 13-0385	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	153.16	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
26 05 33 13-0386	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	189.28	20.51
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
26 05 33 13-0387	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	240.37	22.38
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
26 05 33 13-0388	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	337.23	24.23
		For Work In Restricted Working Space, Add	*18.17*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.20*	
		For Elevated Installation >30' To 35', Add	*24.23*	
		For Elevated Installation >35' To 40', Add	*30.29*	
		For Elevated Installation >40', Add	*33.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0389	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	521.79	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
26 05 33 13-0390	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	669.22	37.29
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
26 05 33 13-0391	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	984.14	44.75
		For Work In Restricted Working Space, Add	*33.56*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.38*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.16*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	
26 05 33 13-0392	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,048.51	48.48
		For Work In Restricted Working Space, Add	*36.35*	
		For Elevated Installation >10' To 15', Add	*12.12*	
		For Elevated Installation >15' To 20', Add	*24.24*	
		For Elevated Installation >20' To 25', Add	*30.30*	
		For Elevated Installation >25' To 30', Add	*42.41*	
		For Elevated Installation >30' To 35', Add	*48.47*	
		For Elevated Installation >35' To 40', Add	*60.59*	
		For Elevated Installation >40', Add	*66.65*	
26 05 33 13-0393	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,616.79	59.66
		For Work In Restricted Working Space, Add	*44.75*	
		For Elevated Installation >10' To 15', Add	*14.92*	
		For Elevated Installation >15' To 20', Add	*29.83*	
		For Elevated Installation >20' To 25', Add	*37.29*	
		For Elevated Installation >25' To 30', Add	*52.20*	
		For Elevated Installation >30' To 35', Add	*59.66*	
		For Elevated Installation >35' To 40', Add	*74.58*	
		For Elevated Installation >40', Add	*82.03*	
26 05 33 13-0394	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement	1,991.34	66.19
		For Work In Restricted Working Space, Add	*49.67*	
		For Elevated Installation >10' To 15', Add	*16.56*	
		For Elevated Installation >15' To 20', Add	*33.11*	
		For Elevated Installation >20' To 25', Add	*41.39*	
		For Elevated Installation >25' To 30', Add	*57.95*	
		For Elevated Installation >30' To 35', Add	*66.22*	
		For Elevated Installation >35' To 40', Add	*82.78*	
		For Elevated Installation >40', Add	*91.06*	

26 05 33 13-0395 Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*

Note: Type AX-8

26 05 33 13-0396	EA	1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	125.84	14.91
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0397	EA	3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	139.79	16.78
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
26 05 33 13-0398	EA	1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	170.79	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0399	EA	1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	217.05	20.51
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
26 05 33 13-0400	EA	1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	295.55	22.38
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
26 05 33 13-0401	EA	2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	363.60	24.23
		For Work In Restricted Working Space, Add	*18.17*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.20*	
		For Elevated Installation >30' To 35', Add	*24.23*	
		For Elevated Installation >35' To 40', Add	*30.29*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0402	EA	2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	692.72	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
26 05 33 13-0403	EA	3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	785.94	37.29
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
26 05 33 13-0404	EA	3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,214.80	44.75
		For Work In Restricted Working Space, Add	*33.56*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.38*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.16*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	
26 05 33 13-0405	EA	4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,315.11	48.48
		For Work In Restricted Working Space, Add	*36.35*	
		For Elevated Installation >10' To 15', Add	*12.12*	
		For Elevated Installation >15' To 20', Add	*24.24*	
		For Elevated Installation >20' To 25', Add	*30.30*	
		For Elevated Installation >25' To 30', Add	*42.41*	
		For Elevated Installation >30' To 35', Add	*48.47*	
		For Elevated Installation >35' To 40', Add	*60.59*	
		For Elevated Installation >40', Add	*66.65*	
26 05 33 13-0406	EA	5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	1,841.52	59.66
		For Work In Restricted Working Space, Add	*44.75*	
		For Elevated Installation >10' To 15', Add	*14.92*	
		For Elevated Installation >15' To 20', Add	*29.83*	
		For Elevated Installation >20' To 25', Add	*37.29*	
		For Elevated Installation >25' To 30', Add	*52.20*	
		For Elevated Installation >30' To 35', Add	*59.66*	
		For Elevated Installation >35' To 40', Add	*74.58*	
		For Elevated Installation >40', Add	*82.03*	
26 05 33 13-0407	EA	6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement	2,280.47	66.19
		For Work In Restricted Working Space, Add	*49.67*	
		For Elevated Installation >10' To 15', Add	*16.56*	
		For Elevated Installation >15' To 20', Add	*33.11*	
		For Elevated Installation >20' To 25', Add	*41.39*	
		For Elevated Installation >25' To 30', Add	*57.95*	
		For Elevated Installation >30' To 35', Add	*66.22*	
		For Elevated Installation >35' To 40', Add	*82.78*	
		For Elevated Installation >40', Add	*91.06*	

26 05 33 13-0408 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement *(26 05 33 13-0060)*
Note: Type EX

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0409	EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	144.40	14.91
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0410	EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	183.56	16.78
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
26 05 33 13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	229.91	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
26 05 33 13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	281.07	20.51
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
26 05 33 13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	382.23	22.38
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
26 05 33 13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	531.11	24.23
		For Work In Restricted Working Space, Add	*18.17*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.20*	
		For Elevated Installation >30' To 35', Add	*24.23*	
		For Elevated Installation >35' To 40', Add	*30.29*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	830.63	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
26 05 33 13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,121.73	37.29
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
26 05 33 13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,692.40	44.75
		For Work In Restricted Working Space, Add	*33.56*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.38*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.16*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0418		EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	1,750.14	48.48
			For Work In Restricted Working Space, Add	*36.35*	
			For Elevated Installation >10' To 15', Add	*12.12*	
			For Elevated Installation >15' To 20', Add	*24.24*	
			For Elevated Installation >20' To 25', Add	*30.30*	
			For Elevated Installation >25' To 30', Add	*42.41*	
			For Elevated Installation >30' To 35', Add	*48.47*	
			For Elevated Installation >35' To 40', Add	*60.59*	
			For Elevated Installation >40', Add	*66.65*	
26 05 33 13-0419		EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	2,643.42	59.66
			For Work In Restricted Working Space, Add	*44.75*	
			For Elevated Installation >10' To 15', Add	*14.92*	
			For Elevated Installation >15' To 20', Add	*29.83*	
			For Elevated Installation >20' To 25', Add	*37.29*	
			For Elevated Installation >25' To 30', Add	*52.20*	
			For Elevated Installation >30' To 35', Add	*59.66*	
			For Elevated Installation >35' To 40', Add	*74.58*	
			For Elevated Installation >40', Add	*82.03*	
26 05 33 13-0420		EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement	3,282.59	66.19
			For Work In Restricted Working Space, Add	*49.67*	
			For Elevated Installation >10' To 15', Add	*16.56*	
			For Elevated Installation >15' To 20', Add	*33.11*	
			For Elevated Installation >20' To 25', Add	*41.39*	
			For Elevated Installation >25' To 30', Add	*57.95*	
			For Elevated Installation >30' To 35', Add	*66.22*	
			For Elevated Installation >35' To 40', Add	*82.78*	
			For Elevated Installation >40', Add	*91.06*	

26 05 33 13-0421 Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings *(26 05 33 13-0060)*

Note: Type DX

26 05 33 13-0422		EA	1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	258.87	14.91
			For Work In Restricted Working Space, Add	*11.19*	
			For Elevated Installation >10' To 15', Add	*3.73*	
			For Elevated Installation >15' To 20', Add	*7.46*	
			For Elevated Installation >20' To 25', Add	*9.32*	
			For Elevated Installation >25' To 30', Add	*13.05*	
			For Elevated Installation >30' To 35', Add	*14.92*	
			For Elevated Installation >35' To 40', Add	*18.65*	
			For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0423		EA	3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	309.09	16.78
			For Work In Restricted Working Space, Add	*12.59*	
			For Elevated Installation >10' To 15', Add	*4.20*	
			For Elevated Installation >15' To 20', Add	*8.39*	
			For Elevated Installation >20' To 25', Add	*10.49*	
			For Elevated Installation >25' To 30', Add	*14.68*	
			For Elevated Installation >30' To 35', Add	*16.78*	
			For Elevated Installation >35' To 40', Add	*20.98*	
			For Elevated Installation >40', Add	*23.07*	
26 05 33 13-0424		EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	374.78	18.65
			For Work In Restricted Working Space, Add	*13.98*	
			For Elevated Installation >10' To 15', Add	*4.66*	
			For Elevated Installation >15' To 20', Add	*9.32*	
			For Elevated Installation >20' To 25', Add	*11.65*	
			For Elevated Installation >25' To 30', Add	*16.31*	
			For Elevated Installation >30' To 35', Add	*18.64*	
			For Elevated Installation >35' To 40', Add	*23.31*	
			For Elevated Installation >40', Add	*25.64*	
26 05 33 13-0425		EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	441.58	20.51
			For Work In Restricted Working Space, Add	*15.38*	
			For Elevated Installation >10' To 15', Add	*5.13*	
			For Elevated Installation >15' To 20', Add	*10.25*	
			For Elevated Installation >20' To 25', Add	*12.82*	
			For Elevated Installation >25' To 30', Add	*17.94*	
			For Elevated Installation >30' To 35', Add	*20.51*	
			For Elevated Installation >35' To 40', Add	*25.64*	
			For Elevated Installation >40', Add	*28.20*	
26 05 33 13-0426		EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	488.54	22.38
			For Work In Restricted Working Space, Add	*16.78*	
			For Elevated Installation >10' To 15', Add	*5.59*	
			For Elevated Installation >15' To 20', Add	*11.19*	
			For Elevated Installation >20' To 25', Add	*13.98*	
			For Elevated Installation >25' To 30', Add	*19.58*	
			For Elevated Installation >30' To 35', Add	*22.37*	
			For Elevated Installation >35' To 40', Add	*27.97*	
			For Elevated Installation >40', Add	*30.76*	
26 05 33 13-0427		EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	606.18	24.23
			For Work In Restricted Working Space, Add	*18.17*	
			For Elevated Installation >10' To 15', Add	*6.06*	
			For Elevated Installation >15' To 20', Add	*12.12*	
			For Elevated Installation >20' To 25', Add	*15.15*	
			For Elevated Installation >25' To 30', Add	*21.20*	
			For Elevated Installation >30' To 35', Add	*24.23*	
			For Elevated Installation >35' To 40', Add	*30.29*	
			For Elevated Installation >40', Add	*33.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0428	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	802.76	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
26 05 33 13-0429	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,018.45	37.29
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
26 05 33 13-0430	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,143.99	44.75
		For Work In Restricted Working Space, Add	*33.56*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.38*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.16*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	
26 05 33 13-0431	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	1,391.30	48.48
		For Work In Restricted Working Space, Add	*36.35*	
		For Elevated Installation >10' To 15', Add	*12.12*	
		For Elevated Installation >15' To 20', Add	*24.24*	
		For Elevated Installation >20' To 25', Add	*30.30*	
		For Elevated Installation >25' To 30', Add	*42.41*	
		For Elevated Installation >30' To 35', Add	*48.47*	
		For Elevated Installation >35' To 40', Add	*60.59*	
		For Elevated Installation >40', Add	*66.65*	
26 05 33 13-0432	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	2,395.97	59.66
		For Work In Restricted Working Space, Add	*44.75*	
		For Elevated Installation >10' To 15', Add	*14.92*	
		For Elevated Installation >15' To 20', Add	*29.83*	
		For Elevated Installation >20' To 25', Add	*37.29*	
		For Elevated Installation >25' To 30', Add	*52.20*	
		For Elevated Installation >30' To 35', Add	*59.66*	
		For Elevated Installation >35' To 40', Add	*74.58*	
		For Elevated Installation >40', Add	*82.03*	
26 05 33 13-0433	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting	3,829.81	66.19
		For Work In Restricted Working Space, Add	*49.67*	
		For Elevated Installation >10' To 15', Add	*16.56*	
		For Elevated Installation >15' To 20', Add	*33.11*	
		For Elevated Installation >20' To 25', Add	*41.39*	
		For Elevated Installation >25' To 30', Add	*57.95*	
		For Elevated Installation >30' To 35', Add	*66.22*	
		For Elevated Installation >35' To 40', Add	*82.78*	
		For Elevated Installation >40', Add	*91.06*	

26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers *(26 05 33 13-0060)*

26 05 33 13-0435	EA	1/2" To 3/4" Conduit, 14" Bonding Jumper	64.33	7.46
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
26 05 33 13-0436	EA	1" To 1-1/4" Conduit, 14" Bonding Jumper	73.61	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0437	EA	1-1/2" To 2" Conduit, 14" Bonding Jumper	90.95	11.18
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0438	EA	2-1/2" To 3" Conduit, 14" Bonding Jumper	128.32	14.91
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0439	EA	3-1/2" To 4" Conduit, 14" Bonding Jumper	194.57	22.38
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.99*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.38*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.77*	
26 05 33 13-0440	EA	5" To 6" Conduit, 14" Bonding Jumper	337.96	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
26 05 33 13-0441	EA	1/2" To 3/4" Conduit, 24" Bonding Jumper	72.16	7.46
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
26 05 33 13-0442	EA	1" To 1-1/4" Conduit, 24" Bonding Jumper	83.50	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0443	EA	1-1/2" To 2" Conduit, 24" Bonding Jumper	100.01	11.18
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0444	EA	2-1/2" To 3" Conduit, 24" Bonding Jumper	140.34	14.91
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0445	EA	3-1/2" To 4" Conduit, 24" Bonding Jumper	210.52	22.38
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.99*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.38*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.77*	
26 05 33 13-0446	EA	5" To 6" Conduit, 24" Bonding Jumper	389.39	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	

26 05 33 13-0447 Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0448	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	87.38	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0449	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	103.82	27.96
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.78*	
26 05 33 13-0450	EA	1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	126.80	32.63
		For Work In Restricted Working Space, Add	*19.58*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	
26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	149.31	37.29
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	196.42	41.95
		For Work In Restricted Working Space, Add	*25.17*	
		For Elevated Installation >10' To 15', Add	*8.39*	
		For Elevated Installation >15' To 20', Add	*16.78*	
		For Elevated Installation >20' To 25', Add	*20.98*	
		For Elevated Installation >25' To 30', Add	*29.37*	
		For Elevated Installation >30' To 35', Add	*33.56*	
		For Elevated Installation >35' To 40', Add	*41.95*	
		For Elevated Installation >40', Add	*46.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.17*	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	239.00	46.61
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.97*	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal	338.37	55.93
		For Work In Restricted Working Space, Add	*33.56*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.37*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.15*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.56*	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	407.18	65.26
		For Work In Restricted Working Space, Add	*39.15*	
		For Elevated Installation >10' To 15', Add	*13.05*	
		For Elevated Installation >15' To 20', Add	*26.10*	
		For Elevated Installation >20' To 25', Add	*32.63*	
		For Elevated Installation >25' To 30', Add	*45.68*	
		For Elevated Installation >30' To 35', Add	*52.20*	
		For Elevated Installation >35' To 40', Add	*65.25*	
		For Elevated Installation >40', Add	*71.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	947.12	74.57
		For Work In Restricted Working Space, Add	*44.75*	
		For Elevated Installation >10' To 15', Add	*14.92*	
		For Elevated Installation >15' To 20', Add	*29.83*	
		For Elevated Installation >20' To 25', Add	*37.29*	
		For Elevated Installation >25' To 30', Add	*52.20*	
		For Elevated Installation >30' To 35', Add	*59.66*	
		For Elevated Installation >35' To 40', Add	*74.58*	
		For Elevated Installation >40', Add	*82.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal	1,091.33	83.90
		For Work In Restricted Working Space, Add	*50.34*	
		For Elevated Installation >10' To 15', Add	*16.78*	
		For Elevated Installation >15' To 20', Add	*33.56*	
		For Elevated Installation >20' To 25', Add	*41.95*	
		For Elevated Installation >25' To 30', Add	*58.73*	
		For Elevated Installation >30' To 35', Add	*67.12*	
		For Elevated Installation >35' To 40', Add	*83.90*	
		For Elevated Installation >40', Add	*92.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	

26 05 33 13-0458 Rigid Galvanized Steel (RGS) Threaded Couplings *(26 05 33 13-0060)*

26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	12.63	5.60
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling	17.67	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
26 05 33 13-0461	EA	1" Rigid Galvanized Steel (RGS) Threaded Coupling	23.28	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
26 05 33 13-0462	EA	1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling	26.80	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0463	EA	1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	32.34	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0464	EA	2" Rigid Galvanized Steel (RGS) Threaded Coupling	38.23	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
26 05 33 13-0465	EA	2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	50.09	17.71
		For Work In Restricted Working Space, Add	*10.63*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0466	EA	3" Rigid Galvanized Steel (RGS) Threaded Coupling	59.14	20.04
		For Work In Restricted Working Space, Add	*12.02*	
		For Elevated Installation >10' To 15', Add	*4.01*	
		For Elevated Installation >15' To 20', Add	*8.02*	
		For Elevated Installation >20' To 25', Add	*10.02*	
		For Elevated Installation >25' To 30', Add	*14.03*	
		For Elevated Installation >30' To 35', Add	*16.03*	
		For Elevated Installation >35' To 40', Add	*20.04*	
		For Elevated Installation >40', Add	*22.04*	
26 05 33 13-0467	EA	3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling	69.56	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
26 05 33 13-0468	EA	4" Threaded Rigid Galvanized Steel (RGS) Coupling	73.43	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	

26 05 33 13-0469 Rigid Galvanized Steel (RGS) Sealing Locknut *(26 05 33 13-0060)*

26 05 33 13-0470	EA	1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	3.15	0.93
26 05 33 13-0471	EA	3/4" Rigid Galvanized Steel (RGS) Sealing Locknut	4.28	1.39
26 05 33 13-0472	EA	1" Rigid Galvanized Steel (RGS) Sealing Locknut	7.10	2.33
26 05 33 13-0473	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut	10.34	3.26
26 05 33 13-0474	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut	12.49	3.73
26 05 33 13-0475	EA	2" Rigid Galvanized Steel (RGS) Sealing Locknut	14.80	4.19

26 05 33 13-0476 Rigid Galvanized Steel (RGS) Fire Stop Fittings *(26 05 33 13-0060)*

26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	190.73	11.31
		For Work In Restricted Working Space, Add	*8.49*	
		For Elevated Installation >10' To 15', Add	*2.83*	
		For Elevated Installation >15' To 20', Add	*5.66*	
		For Elevated Installation >20' To 25', Add	*7.07*	
		For Elevated Installation >25' To 30', Add	*9.90*	
		For Elevated Installation >30' To 35', Add	*11.32*	
		For Elevated Installation >35' To 40', Add	*14.15*	
		For Elevated Installation >40', Add	*15.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.49*	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	193.45	12.40
		For Work In Restricted Working Space, Add	*9.30*	
		For Elevated Installation >10' To 15', Add	*3.10*	
		For Elevated Installation >15' To 20', Add	*6.20*	
		For Elevated Installation >20' To 25', Add	*7.75*	
		For Elevated Installation >25' To 30', Add	*10.85*	
		For Elevated Installation >30' To 35', Add	*12.40*	
		For Elevated Installation >35' To 40', Add	*15.51*	
		For Elevated Installation >40', Add	*17.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.30*	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	232.77	13.61
		For Work In Restricted Working Space, Add	*10.19*	
		For Elevated Installation >10' To 15', Add	*3.40*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.49*	
		For Elevated Installation >25' To 30', Add	*11.89*	
		For Elevated Installation >30' To 35', Add	*13.58*	
		For Elevated Installation >35' To 40', Add	*16.98*	
		For Elevated Installation >40', Add	*18.68*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.19*	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	255.53	14.91
		For Work In Restricted Working Space, Add	*11.20*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.33*	
		For Elevated Installation >25' To 30', Add	*13.06*	
		For Elevated Installation >30' To 35', Add	*14.93*	
		For Elevated Installation >35' To 40', Add	*18.66*	
		For Elevated Installation >40', Add	*20.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	291.68	16.78
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	434.56	18.65
		For Work In Restricted Working Space, Add	*13.99*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.33*	
		For Elevated Installation >20' To 25', Add	*11.66*	
		For Elevated Installation >25' To 30', Add	*16.32*	
		For Elevated Installation >30' To 35', Add	*18.65*	
		For Elevated Installation >35' To 40', Add	*23.32*	
		For Elevated Installation >40', Add	*25.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.99*	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	498.60	24.89
		For Work In Restricted Working Space, Add	*18.65*	
		For Elevated Installation >10' To 15', Add	*6.22*	
		For Elevated Installation >15' To 20', Add	*12.44*	
		For Elevated Installation >20' To 25', Add	*15.55*	
		For Elevated Installation >25' To 30', Add	*21.76*	
		For Elevated Installation >30' To 35', Add	*24.87*	
		For Elevated Installation >35' To 40', Add	*31.09*	
		For Elevated Installation >40', Add	*34.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.65*	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	553.24	27.31
		For Work In Restricted Working Space, Add	*20.50*	
		For Elevated Installation >10' To 15', Add	*6.83*	
		For Elevated Installation >15' To 20', Add	*13.67*	
		For Elevated Installation >20' To 25', Add	*17.08*	
		For Elevated Installation >25' To 30', Add	*23.92*	
		For Elevated Installation >30' To 35', Add	*27.33*	
		For Elevated Installation >35' To 40', Add	*34.17*	
		For Elevated Installation >40', Add	*37.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.50*	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	644.35	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.92*	
		For Elevated Installation >20' To 25', Add	*18.65*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-0486	EA	4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	726.40	33.56
		For Work In Restricted Working Space, Add	*25.17*	
		For Elevated Installation >10' To 15', Add	*8.39*	
		For Elevated Installation >15' To 20', Add	*16.78*	
		For Elevated Installation >20' To 25', Add	*20.98*	
		For Elevated Installation >25' To 30', Add	*29.37*	
		For Elevated Installation >30' To 35', Add	*33.56*	
		For Elevated Installation >35' To 40', Add	*41.95*	
		For Elevated Installation >40', Add	*46.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.17*	
26 05 33 13-0487	EA	5" Rigid Galvanized Steel (RGS) Fire Stop Fitting	978.17	37.29
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.97*	
26 05 33 13-0488	EA	6" Rigid Galvanized Steel (RGS) Fire Stop Fitting	1,218.76	41.38
		For Work In Restricted Working Space, Add	*31.04*	
		For Elevated Installation >10' To 15', Add	*10.35*	
		For Elevated Installation >15' To 20', Add	*20.69*	
		For Elevated Installation >20' To 25', Add	*25.87*	
		For Elevated Installation >25' To 30', Add	*36.21*	
		For Elevated Installation >30' To 35', Add	*41.39*	
		For Elevated Installation >35' To 40', Add	*51.74*	
		For Elevated Installation >40', Add	*56.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.04*	

26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0490	EA	3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	15.44	7.22
		For Work In Restricted Working Space, Add	*4.34*	
		For Elevated Installation >10' To 15', Add	*1.45*	
		For Elevated Installation >15' To 20', Add	*2.89*	
		For Elevated Installation >20' To 25', Add	*3.61*	
		For Elevated Installation >25' To 30', Add	*5.06*	
		For Elevated Installation >30' To 35', Add	*5.78*	
		For Elevated Installation >35' To 40', Add	*7.23*	
		For Elevated Installation >40', Add	*7.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.34*	
26 05 33 13-0491	EA	1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	17.21	7.69
		For Work In Restricted Working Space, Add	*4.62*	
		For Elevated Installation >10' To 15', Add	*1.54*	
		For Elevated Installation >15' To 20', Add	*3.08*	
		For Elevated Installation >20' To 25', Add	*3.85*	
		For Elevated Installation >25' To 30', Add	*5.39*	
		For Elevated Installation >30' To 35', Add	*6.16*	
		For Elevated Installation >35' To 40', Add	*7.70*	
		For Elevated Installation >40', Add	*8.46*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.62*	
26 05 33 13-0492	EA	1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	17.67	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.76*	
26 05 33 13-0493	EA	1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	21.03	8.15
		For Work In Restricted Working Space, Add	*4.89*	
		For Elevated Installation >10' To 15', Add	*1.63*	
		For Elevated Installation >15' To 20', Add	*3.26*	
		For Elevated Installation >20' To 25', Add	*4.08*	
		For Elevated Installation >25' To 30', Add	*5.71*	
		For Elevated Installation >30' To 35', Add	*6.52*	
		For Elevated Installation >35' To 40', Add	*8.16*	
		For Elevated Installation >40', Add	*8.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.89*	
26 05 33 13-0494	EA	1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	21.50	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	22.43	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	24.37	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	24.83	9.56
		For Work In Restricted Working Space, Add	*5.73*	
		For Elevated Installation >10' To 15', Add	*1.91*	
		For Elevated Installation >15' To 20', Add	*3.82*	
		For Elevated Installation >20' To 25', Add	*4.78*	
		For Elevated Installation >25' To 30', Add	*6.69*	
		For Elevated Installation >30' To 35', Add	*7.64*	
		For Elevated Installation >35' To 40', Add	*9.56*	
		For Elevated Installation >40', Add	*10.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	25.76	10.02
		For Work In Restricted Working Space, Add	*6.01*	
		For Elevated Installation >10' To 15', Add	*2.00*	
		For Elevated Installation >15' To 20', Add	*4.01*	
		For Elevated Installation >20' To 25', Add	*5.01*	
		For Elevated Installation >25' To 30', Add	*7.01*	
		For Elevated Installation >30' To 35', Add	*8.02*	
		For Elevated Installation >35' To 40', Add	*10.02*	
		For Elevated Installation >40', Add	*11.02*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.01*	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	26.69	10.49
		For Work In Restricted Working Space, Add	*6.29*	
		For Elevated Installation >10' To 15', Add	*2.10*	
		For Elevated Installation >15' To 20', Add	*4.19*	
		For Elevated Installation >20' To 25', Add	*5.24*	
		For Elevated Installation >25' To 30', Add	*7.34*	
		For Elevated Installation >30' To 35', Add	*8.39*	
		For Elevated Installation >35' To 40', Add	*10.49*	
		For Elevated Installation >40', Add	*11.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.29*	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	33.53	10.49
		For Work In Restricted Working Space, Add	*6.29*	
		For Elevated Installation >10' To 15', Add	*2.10*	
		For Elevated Installation >15' To 20', Add	*4.19*	
		For Elevated Installation >20' To 25', Add	*5.24*	
		For Elevated Installation >25' To 30', Add	*7.34*	
		For Elevated Installation >30' To 35', Add	*8.39*	
		For Elevated Installation >35' To 40', Add	*10.49*	
		For Elevated Installation >40', Add	*11.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.29*	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing	34.00	10.72
		For Work In Restricted Working Space, Add	*6.43*	
		For Elevated Installation >10' To 15', Add	*2.14*	
		For Elevated Installation >15' To 20', Add	*4.29*	
		For Elevated Installation >20' To 25', Add	*5.36*	
		For Elevated Installation >25' To 30', Add	*7.50*	
		For Elevated Installation >30' To 35', Add	*8.58*	
		For Elevated Installation >35' To 40', Add	*10.72*	
		For Elevated Installation >40', Add	*11.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing	34.94	11.18
		For Work In Restricted Working Space, Add	*6.71*	
		For Elevated Installation >10' To 15', Add	*2.24*	
		For Elevated Installation >15' To 20', Add	*4.48*	
		For Elevated Installation >20' To 25', Add	*5.60*	
		For Elevated Installation >25' To 30', Add	*7.83*	
		For Elevated Installation >30' To 35', Add	*8.95*	
		For Elevated Installation >35' To 40', Add	*11.19*	
		For Elevated Installation >40', Add	*12.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.71*	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing	35.86	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0504	EA	2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing	38.20	12.82
		For Work In Restricted Working Space, Add	*7.69*	
		For Elevated Installation >10' To 15', Add	*2.56*	
		For Elevated Installation >15' To 20', Add	*5.13*	
		For Elevated Installation >20' To 25', Add	*6.41*	
		For Elevated Installation >25' To 30', Add	*8.97*	
		For Elevated Installation >30' To 35', Add	*10.26*	
		For Elevated Installation >35' To 40', Add	*12.82*	
		For Elevated Installation >40', Add	*14.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.69*	
26 05 33 13-0505	EA	2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing	48.91	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	

26 05 33 13-0506 Rigid Galvanized Steel (RGS) Locknuts *(26 05 33 13-0060)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0507	EA	1/2" Rigid Galvanized Steel (RGS) Locknuts	1.96	0.93
		For Work In Restricted Working Space, Add	*0.56*	
		For Elevated Installation >10' To 15', Add	*0.19*	
		For Elevated Installation >15' To 20', Add	*0.37*	
		For Elevated Installation >20' To 25', Add	*0.47*	
		For Elevated Installation >25' To 30', Add	*0.65*	
		For Elevated Installation >30' To 35', Add	*0.75*	
		For Elevated Installation >35' To 40', Add	*0.94*	
		For Elevated Installation >40', Add	*1.03*	
26 05 33 13-0508	EA	3/4" Rigid Galvanized Steel (RGS) Locknuts	2.93	1.39
		For Work In Restricted Working Space, Add	*0.84*	
		For Elevated Installation >10' To 15', Add	*0.28*	
		For Elevated Installation >15' To 20', Add	*0.56*	
		For Elevated Installation >20' To 25', Add	*0.70*	
		For Elevated Installation >25' To 30', Add	*0.98*	
		For Elevated Installation >30' To 35', Add	*1.12*	
		For Elevated Installation >35' To 40', Add	*1.40*	
		For Elevated Installation >40', Add	*1.54*	
26 05 33 13-0509	EA	1" Rigid Galvanized Steel (RGS) Locknuts	4.87	2.33
		For Work In Restricted Working Space, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
26 05 33 13-0510	EA	1-1/4" Rigid Galvanized Steel (RGS) Locknuts	6.88	3.26
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
26 05 33 13-0511	EA	1-1/2" Rigid Galvanized Steel (RGS) Locknuts	7.91	3.73
		For Work In Restricted Working Space, Add	*2.24*	
		For Elevated Installation >10' To 15', Add	*0.75*	
		For Elevated Installation >15' To 20', Add	*1.49*	
		For Elevated Installation >20' To 25', Add	*1.87*	
		For Elevated Installation >25' To 30', Add	*2.61*	
		For Elevated Installation >30' To 35', Add	*2.98*	
		For Elevated Installation >35' To 40', Add	*3.73*	
		For Elevated Installation >40', Add	*4.10*	
26 05 33 13-0512	EA	2" Rigid Galvanized Steel (RGS) Locknuts	8.95	4.19
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.20*	
		For Elevated Installation >40', Add	*4.61*	
26 05 33 13-0513	EA	2-1/2" Rigid Galvanized Steel (RGS) Locknuts	12.67	5.60
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts	15.62	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts	18.58	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts	20.85	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	

26 05 33 13-0517 Rigid Galvanized Steel (RGS) Grounding Locknuts *(26 05 33 13-0060)*

26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	3.23	0.93
		For Work In Restricted Working Space, Add	*0.56*	
		For Elevated Installation >10' To 15', Add	*0.19*	
		For Elevated Installation >15' To 20', Add	*0.37*	
		For Elevated Installation >20' To 25', Add	*0.47*	
		For Elevated Installation >25' To 30', Add	*0.65*	
		For Elevated Installation >30' To 35', Add	*0.75*	
		For Elevated Installation >35' To 40', Add	*0.94*	
		For Elevated Installation >40', Add	*1.03*	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	4.43	1.39
		For Work In Restricted Working Space, Add	*0.84*	
		For Elevated Installation >10' To 15', Add	*0.28*	
		For Elevated Installation >15' To 20', Add	*0.56*	
		For Elevated Installation >20' To 25', Add	*0.70*	
		For Elevated Installation >25' To 30', Add	*0.98*	
		For Elevated Installation >30' To 35', Add	*1.12*	
		For Elevated Installation >35' To 40', Add	*1.40*	
		For Elevated Installation >40', Add	*1.54*	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts	7.00	2.33
		For Work In Restricted Working Space, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts	9.78	3.26
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	11.02	3.73
		For Work In Restricted Working Space, Add	*2.24*	
		For Elevated Installation >10' To 15', Add	*0.75*	
		For Elevated Installation >15' To 20', Add	*1.49*	
		For Elevated Installation >20' To 25', Add	*1.87*	
		For Elevated Installation >25' To 30', Add	*2.61*	
		For Elevated Installation >30' To 35', Add	*2.98*	
		For Elevated Installation >35' To 40', Add	*3.73*	
		For Elevated Installation >40', Add	*4.10*	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts	13.04	4.19
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.20*	
		For Elevated Installation >40', Add	*4.61*	
26 05 33 13-0524	EA	2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	19.81	5.60
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
26 05 33 13-0525	EA	3" Rigid Galvanized Steel (RGS) Grounding Locknuts	24.94	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0526	EA	3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts	33.64	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
26 05 33 13-0527	EA	4" Rigid Galvanized Steel (RGS) Grounding Locknuts	40.66	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	

26 05 33 13-0528 Rigid Galvanized Steel (RGS) Insulated Ground Bushing *(26 05 33 13-0060)*

26 05 33 13-0529	EA	1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	9.00	2.80
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
26 05 33 13-0530	EA	3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	11.16	3.73
		For Work In Restricted Working Space, Add	*2.24*	
		For Elevated Installation >10' To 15', Add	*0.75*	
		For Elevated Installation >15' To 20', Add	*1.49*	
		For Elevated Installation >20' To 25', Add	*1.87*	
		For Elevated Installation >25' To 30', Add	*2.61*	
		For Elevated Installation >30' To 35', Add	*2.98*	
		For Elevated Installation >35' To 40', Add	*3.73*	
		For Elevated Installation >40', Add	*4.10*	
26 05 33 13-0531	EA	1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	14.30	4.66
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
26 05 33 13-0532	EA	1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	20.47	7.46
		For Work In Restricted Working Space, Add	*4.47*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.98*	
		For Elevated Installation >20' To 25', Add	*3.73*	
		For Elevated Installation >25' To 30', Add	*5.22*	
		For Elevated Installation >30' To 35', Add	*5.96*	
		For Elevated Installation >35' To 40', Add	*7.46*	
		For Elevated Installation >40', Add	*8.20*	
26 05 33 13-0533	EA	1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	23.07	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0534	EA	2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	26.36	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
26 05 33 13-0535	EA	2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	37.28	11.18
		For Work In Restricted Working Space, Add	*6.71*	
		For Elevated Installation >10' To 15', Add	*2.24*	
		For Elevated Installation >15' To 20', Add	*4.48*	
		For Elevated Installation >20' To 25', Add	*5.60*	
		For Elevated Installation >25' To 30', Add	*7.83*	
		For Elevated Installation >30' To 35', Add	*8.95*	
		For Elevated Installation >35' To 40', Add	*11.19*	
		For Elevated Installation >40', Add	*12.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0536	EA	3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	45.03	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0537	EA	3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	54.92	18.65
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0538	EA	4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing	66.54	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
26 05 33 13-0539		Rigid Galvanized Steel (RGS) Threadless Compression Connectors *(26 05 33 13-0060)*		
26 05 33 13-0540	EA	1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	20.57	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0541	EA	3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	24.76	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
26 05 33 13-0542	EA	1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	32.84	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0543	EA	1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	45.92	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0544	EA	1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	62.17	18.65
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0545	EA	2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	94.34	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0546	EA	2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	166.03	27.96
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
26 05 33 13-0547	EA	3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	211.23	32.63
		For Work In Restricted Working Space, Add	*19.58*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
26 05 33 13-0548	EA	3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	270.00	39.62
		For Work In Restricted Working Space, Add	*23.77*	
		For Elevated Installation >10' To 15', Add	*7.92*	
		For Elevated Installation >15' To 20', Add	*15.85*	
		For Elevated Installation >20' To 25', Add	*19.81*	
		For Elevated Installation >25' To 30', Add	*27.73*	
		For Elevated Installation >30' To 35', Add	*31.70*	
		For Elevated Installation >35' To 40', Add	*39.62*	
		For Elevated Installation >40', Add	*43.58*	
26 05 33 13-0549	EA	4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors	326.75	46.61
		For Work In Restricted Working Space, Add	*27.97*	
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	

26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling *(26 05 33 13-0060)*

26 05 33 13-0551	EA	1/2" Rigid Galvanized Steel (RGS) Compression Coupling	29.42	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0552	EA	3/4" Rigid Galvanized Steel (RGS) Compression Coupling	37.78	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0553	EA	1" Rigid Galvanized Steel (RGS) Compression Coupling	54.42	18.65
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	71.96	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	88.93	27.96
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	137.44	32.63
		For Work In Restricted Working Space, Add	*19.58*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	226.61	37.29
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	265.76	32.16
		For Work In Restricted Working Space, Add	*19.30*	
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.73*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.38*	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	363.07	48.94
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15', Add	*9.79*	
		For Elevated Installation >15' To 20', Add	*19.58*	
		For Elevated Installation >20' To 25', Add	*24.47*	
		For Elevated Installation >25' To 30', Add	*34.26*	
		For Elevated Installation >30' To 35', Add	*39.16*	
		For Elevated Installation >35' To 40', Add	*48.95*	
		For Elevated Installation >40', Add	*53.84*	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	451.18	55.93
		For Work In Restricted Working Space, Add	*33.56*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.37*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.15*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	

26 05 33 13-0561 Zinc Plated Steel Snap-in Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	4.95	2.33
		For Work In Restricted Working Space, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	5.98	2.80
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
26 05 33 13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal	7.13	3.26
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
26 05 33 13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal	9.18	4.19
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.20*	
		For Elevated Installation >40', Add	*4.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal	10.42	4.66
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
26 05 33 13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal	12.72	5.60
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	

26 05 33 13-0568 Zinc Plated Steel 3-Piece Knock Out Seal *(26 05 33 13-0060)*

26 05 33 13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal	6.39	2.33
		For Work In Restricted Working Space, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
26 05 33 13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal	7.61	2.80
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
26 05 33 13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal	9.31	3.26
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
26 05 33 13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal	11.96	4.19
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.20*	
		For Elevated Installation >40', Add	*4.61*	
26 05 33 13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	15.02	4.66
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal	18.19	5.60
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	22.24	6.99
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal	26.16	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal	32.23	8.86
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal	38.21	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	

26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples *(26 05 33 13-0060)*

26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple	11.62	5.60
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple	13.79	6.53
		For Work In Restricted Working Space, Add	*3.92*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.57*	
		For Elevated Installation >30' To 35', Add	*5.22*	
		For Elevated Installation >35' To 40', Add	*6.53*	
		For Elevated Installation >40', Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple	17.46	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.76*	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple	21.45	9.32
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-0584	EA	1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	26.90	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0585	EA	2" Rigid Galvanized Steel (RGS) Chase Nipple	33.81	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 05 33 13-0586	EA	2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	43.75	16.31
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-0587	EA	3" Rigid Galvanized Steel (RGS) Chase Nipple	48.70	18.65
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.19*	
26 05 33 13-0588	EA	3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple	62.12	20.97
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	
26 05 33 13-0589	EA	4" Rigid Galvanized Steel (RGS) Chase Nipple	88.87	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0590		Rigid Galvanized Steel (RGS) Pulling Elbow *(26 05 33 13-0060)*		
26 05 33 13-0591	EA	1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	24.45	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0592	EA	3/4" Rigid Galvanized Steel (RGS) Pulling Elbow	28.38	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
26 05 33 13-0593	EA	1" Rigid Galvanized Steel (RGS) Pulling Elbow	36.99	11.18
		For Work In Restricted Working Space, Add	*6.71*	
		For Elevated Installation >10' To 15', Add	*2.24*	
		For Elevated Installation >15' To 20', Add	*4.48*	
		For Elevated Installation >20' To 25', Add	*5.60*	
		For Elevated Installation >25' To 30', Add	*7.83*	
		For Elevated Installation >30' To 35', Add	*8.95*	
		For Elevated Installation >35' To 40', Add	*11.19*	
		For Elevated Installation >40', Add	*12.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow	47.63	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	64.79	16.78
		For Work In Restricted Working Space, Add	*10.07*	
		For Elevated Installation >10' To 15', Add	*3.36*	
		For Elevated Installation >15' To 20', Add	*6.71*	
		For Elevated Installation >20' To 25', Add	*8.39*	
		For Elevated Installation >25' To 30', Add	*11.75*	
		For Elevated Installation >30' To 35', Add	*13.42*	
		For Elevated Installation >35' To 40', Add	*16.78*	
		For Elevated Installation >40', Add	*18.46*	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow	88.58	19.58
		For Work In Restricted Working Space, Add	*11.75*	
		For Elevated Installation >10' To 15', Add	*3.92*	
		For Elevated Installation >15' To 20', Add	*7.83*	
		For Elevated Installation >20' To 25', Add	*9.79*	
		For Elevated Installation >25' To 30', Add	*13.70*	
		For Elevated Installation >30' To 35', Add	*15.66*	
		For Elevated Installation >35' To 40', Add	*19.58*	
		For Elevated Installation >40', Add	*21.53*	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow	126.35	22.38
		For Work In Restricted Working Space, Add	*13.43*	
		For Elevated Installation >10' To 15', Add	*4.48*	
		For Elevated Installation >15' To 20', Add	*8.95*	
		For Elevated Installation >20' To 25', Add	*11.19*	
		For Elevated Installation >25' To 30', Add	*15.66*	
		For Elevated Installation >30' To 35', Add	*17.90*	
		For Elevated Installation >35' To 40', Add	*22.38*	
		For Elevated Installation >40', Add	*24.61*	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow	228.79	27.96
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit *(26 05 33 13-0599)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit	4.86	1.68
		For >1,000, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*1.26*	
		For Elevated Installation >10' To 15', Add	*0.42*	
		For Elevated Installation >15' To 20', Add	*0.84*	
		For Elevated Installation >20' To 25', Add	*1.05*	
		For Elevated Installation >25' To 30', Add	*1.47*	
		For Elevated Installation >30' To 35', Add	*1.68*	
		For Elevated Installation >35' To 40', Add	*2.10*	
		For Elevated Installation >40', Add	*2.30*	
		For Installation In Metal Stud Wall, Add	*0.42*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.05*	
		For >250 To 500, Deduct	*-0.03*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.63*	
		For Factory Applied Color Coating, Add	*0.20*	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit	5.70	1.87
		For >1,000, Deduct	*-0.45*	
		For >500 To 1,000, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
		For Installation In Metal Stud Wall, Add	*0.47*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.17*	
		For >250 To 500, Deduct	*-0.05*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.70*	
		For Factory Applied Color Coating, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0603	LF	1" Electrical Metallic Tubing (EMT) Conduit	6.87	2.05
		For >1,000, Deduct	*-0.56*	
		For >500 To 1,000, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*1.54*	
		For Elevated Installation >10' To 15', Add	*0.51*	
		For Elevated Installation >15' To 20', Add	*1.03*	
		For Elevated Installation >20' To 25', Add	*1.28*	
		For Elevated Installation >25' To 30', Add	*1.80*	
		For Elevated Installation >30' To 35', Add	*2.05*	
		For Elevated Installation >35' To 40', Add	*2.57*	
		For Elevated Installation >40', Add	*2.82*	
		For Installation In Metal Stud Wall, Add	*0.51*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For >250 To 500, Deduct	*-0.09*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.77*	
		For Factory Applied Color Coating, Add	*0.52*	
26 05 33 13-0604	LF	1-1/4" Electrical Metallic Tubing (EMT) Conduit	8.52	2.31
		For >1,000, Deduct	*-0.71*	
		For >500 To 1,000, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*1.73*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.16*	
		For Elevated Installation >20' To 25', Add	*1.45*	
		For Elevated Installation >25' To 30', Add	*2.02*	
		For Elevated Installation >30' To 35', Add	*2.31*	
		For Elevated Installation >35' To 40', Add	*2.89*	
		For Elevated Installation >40', Add	*3.18*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.45*	
		For >250 To 500, Deduct	*-0.14*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.87*	
		For Factory Applied Color Coating, Add	*0.82*	
26 05 33 13-0605	LF	1-1/2" Electrical Metallic Tubing (EMT) Conduit	9.94	2.61
		For >1,000, Deduct	*-0.83*	
		For >500 To 1,000, Deduct	*-0.58*	
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
		For Installation In Metal Stud Wall, Add	*0.65*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.63*	
		For >250 To 500, Deduct	*-0.17*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.98*	
		For Factory Applied Color Coating, Add	*1.02*	
26 05 33 13-0606	LF	2" Electrical Metallic Tubing (EMT) Conduit	11.51	2.98
		For >1,000, Deduct	*-0.96*	
		For >500 To 1,000, Deduct	*-0.68*	
		For Work In Restricted Working Space, Add	*2.24*	
		For Elevated Installation >10' To 15', Add	*0.75*	
		For Elevated Installation >15' To 20', Add	*1.49*	
		For Elevated Installation >20' To 25', Add	*1.87*	
		For Elevated Installation >25' To 30', Add	*2.61*	
		For Elevated Installation >30' To 35', Add	*2.98*	
		For Elevated Installation >35' To 40', Add	*3.73*	
		For Elevated Installation >40', Add	*4.10*	
		For Installation In Metal Stud Wall, Add	*0.75*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.87*	
		For >250 To 500, Deduct	*-0.20*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.12*	
		For Factory Applied Color Coating, Add	*1.22*	
26 05 33 13-0607	LF	2-1/2" Electrical Metallic Tubing (EMT) Conduit	14.85	3.54
		For >1,000, Deduct	*-1.26*	
		For >500 To 1,000, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*2.66*	
		For Elevated Installation >10' To 15', Add	*0.89*	
		For Elevated Installation >15' To 20', Add	*1.77*	
		For Elevated Installation >20' To 25', Add	*2.22*	
		For Elevated Installation >25' To 30', Add	*3.10*	
		For Elevated Installation >30' To 35', Add	*3.54*	
		For Elevated Installation >35' To 40', Add	*4.43*	
		For Elevated Installation >40', Add	*4.87*	
		For Installation In Metal Stud Wall, Add	*0.89*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.22*	
		For >250 To 500, Deduct	*-0.30*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.33*	
		For Factory Applied Color Coating, Add	*1.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit	17.75	4.10
		For >1,000, Deduct	*-1.52*	
		For >500 To 1,000, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
		For Installation In Metal Stud Wall, Add	*1.03*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.56*	
		For >250 To 500, Deduct	*-0.38*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.54*	
		For Factory Applied Color Coating, Add	*2.25*	
26 05 33 13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit	22.15	4.84
		For >1,000, Deduct	*-1.91*	
		For >500 To 1,000, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
		For Installation In Metal Stud Wall, Add	*1.21*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.03*	
		For >250 To 500, Deduct	*-0.50*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.82*	
		For Factory Applied Color Coating, Add	*3.01*	
26 05 33 13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit	30.11	7.53
		For >1,000, Deduct	*-2.54*	
		For >500 To 1,000, Deduct	*-1.79*	
		For Work In Restricted Working Space, Add	*5.64*	
		For Elevated Installation >10' To 15', Add	*1.88*	
		For Elevated Installation >15' To 20', Add	*3.76*	
		For Elevated Installation >20' To 25', Add	*4.70*	
		For Elevated Installation >25' To 30', Add	*6.58*	
		For Elevated Installation >30' To 35', Add	*7.52*	
		For Elevated Installation >35' To 40', Add	*9.41*	
		For Elevated Installation >40', Add	*10.35*	
		For Installation In Metal Stud Wall, Add	*1.88*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.70*	
		For >250 To 500, Deduct	*-0.57*	
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.82*	
		For Factory Applied Color Coating, Add	*3.39*	

26 05 33 13-0611 Electrical Metallic Tubing (EMT) 90 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	12.48	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
26 05 33 13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	13.16	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
26 05 33 13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow	16.17	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.57*	
		For Elevated Installation >30' To 35', Add	*5.22*	
		For Elevated Installation >35' To 40', Add	*6.53*	
		For Elevated Installation >40', Add	*7.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	17.86	5.60
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
26 05 33 13-0616	EA	1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	21.14	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0617	EA	2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	27.88	8.58
		For Work In Restricted Working Space, Add	*6.43*	
		For Elevated Installation >10' To 15', Add	*2.14*	
		For Elevated Installation >15' To 20', Add	*4.29*	
		For Elevated Installation >20' To 25', Add	*5.36*	
		For Elevated Installation >25' To 30', Add	*7.50*	
		For Elevated Installation >30' To 35', Add	*8.58*	
		For Elevated Installation >35' To 40', Add	*10.72*	
		For Elevated Installation >40', Add	*11.79*	
26 05 33 13-0618	EA	2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	38.46	9.70
		For Work In Restricted Working Space, Add	*7.27*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.85*	
		For Elevated Installation >20' To 25', Add	*6.06*	
		For Elevated Installation >25' To 30', Add	*8.48*	
		For Elevated Installation >30' To 35', Add	*9.69*	
		For Elevated Installation >35' To 40', Add	*12.12*	
		For Elevated Installation >40', Add	*13.33*	
26 05 33 13-0619	EA	3" Electrical Metallic Tubing (EMT) 90 Degree Elbow	50.01	10.81
		For Work In Restricted Working Space, Add	*8.11*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.41*	
		For Elevated Installation >20' To 25', Add	*6.76*	
		For Elevated Installation >25' To 30', Add	*9.46*	
		For Elevated Installation >30' To 35', Add	*10.81*	
		For Elevated Installation >35' To 40', Add	*13.52*	
		For Elevated Installation >40', Add	*14.87*	
26 05 33 13-0620	EA	3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow	57.02	11.94
		For Work In Restricted Working Space, Add	*8.95*	
		For Elevated Installation >10' To 15', Add	*2.98*	
		For Elevated Installation >15' To 20', Add	*5.97*	
		For Elevated Installation >20' To 25', Add	*7.46*	
		For Elevated Installation >25' To 30', Add	*10.44*	
		For Elevated Installation >30' To 35', Add	*11.93*	
		For Elevated Installation >35' To 40', Add	*14.92*	
		For Elevated Installation >40', Add	*16.41*	
26 05 33 13-0621	EA	4" Electrical Metallic Tubing (EMT) 90 Degree Elbow	119.22	32.91
		For Work In Restricted Working Space, Add	*24.68*	
		For Elevated Installation >10' To 15', Add	*8.23*	
		For Elevated Installation >15' To 20', Add	*16.45*	
		For Elevated Installation >20' To 25', Add	*20.57*	
		For Elevated Installation >25' To 30', Add	*28.79*	
		For Elevated Installation >30' To 35', Add	*32.91*	
		For Elevated Installation >35' To 40', Add	*41.14*	
		For Elevated Installation >40', Add	*45.25*	

26 05 33 13-0622 Electrical Metallic Tubing (EMT) 45 Degree Elbows *(26 05 33 13-0599)*

See CSI section 26 05 33 13-2319 for conduit field bending.

26 05 33 13-0623	EA	1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	12.24	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.56*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
26 05 33 13-0624	EA	3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	13.30	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0625	EA	1" Electrical Metallic Tubing (EMT) 45 Degree Elbow	16.48	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.57*	
		For Elevated Installation >30' To 35', Add	*5.22*	
		For Elevated Installation >35' To 40', Add	*6.53*	
		For Elevated Installation >40', Add	*7.18*	
26 05 33 13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	18.45	5.60
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
26 05 33 13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	21.89	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	27.64	8.58
		For Work In Restricted Working Space, Add	*6.43*	
		For Elevated Installation >10' To 15', Add	*2.14*	
		For Elevated Installation >15' To 20', Add	*4.29*	
		For Elevated Installation >20' To 25', Add	*5.36*	
		For Elevated Installation >25' To 30', Add	*7.50*	
		For Elevated Installation >30' To 35', Add	*8.58*	
		For Elevated Installation >35' To 40', Add	*10.72*	
		For Elevated Installation >40', Add	*11.79*	
26 05 33 13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	40.64	9.70
		For Work In Restricted Working Space, Add	*7.27*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.85*	
		For Elevated Installation >20' To 25', Add	*6.06*	
		For Elevated Installation >25' To 30', Add	*8.48*	
		For Elevated Installation >30' To 35', Add	*9.69*	
		For Elevated Installation >35' To 40', Add	*12.12*	
		For Elevated Installation >40', Add	*13.33*	
26 05 33 13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow	51.74	10.81
		For Work In Restricted Working Space, Add	*8.11*	
		For Elevated Installation >10' To 15', Add	*2.70*	
		For Elevated Installation >15' To 20', Add	*5.41*	
		For Elevated Installation >20' To 25', Add	*6.76*	
		For Elevated Installation >25' To 30', Add	*9.46*	
		For Elevated Installation >30' To 35', Add	*10.81*	
		For Elevated Installation >35' To 40', Add	*13.52*	
		For Elevated Installation >40', Add	*14.87*	
26 05 33 13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow	61.71	11.94
		For Work In Restricted Working Space, Add	*8.95*	
		For Elevated Installation >10' To 15', Add	*2.98*	
		For Elevated Installation >15' To 20', Add	*5.97*	
		For Elevated Installation >20' To 25', Add	*7.46*	
		For Elevated Installation >25' To 30', Add	*10.44*	
		For Elevated Installation >30' To 35', Add	*11.93*	
		For Elevated Installation >35' To 40', Add	*14.92*	
		For Elevated Installation >40', Add	*16.41*	
26 05 33 13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow	115.93	32.91
		For Work In Restricted Working Space, Add	*24.68*	
		For Elevated Installation >10' To 15', Add	*8.23*	
		For Elevated Installation >15' To 20', Add	*16.45*	
		For Elevated Installation >20' To 25', Add	*20.57*	
		For Elevated Installation >25' To 30', Add	*28.79*	
		For Elevated Installation >30' To 35', Add	*32.91*	
		For Elevated Installation >35' To 40', Add	*41.14*	
		For Elevated Installation >40', Add	*45.25*	

26 05 33 13-0633 Electrical Metallic Tubing (EMT) Set Screw Couplings *(26 05 33 13-0599)*

26 05 33 13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	4.92	2.24
		For Work In Restricted Working Space, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	5.98	2.24
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
26 05 33 13-0636	EA	1" Electrical Metallic Tubing (EMT) Set Screw Coupling	7.10	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.30*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.28*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.26*	
		For Elevated Installation >40', Add	*3.59*	
26 05 33 13-0637	EA	1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling	9.65	3.36
		For Work In Restricted Working Space, Add	*2.52*	
		For Elevated Installation >10' To 15', Add	*0.84*	
		For Elevated Installation >15' To 20', Add	*1.68*	
		For Elevated Installation >20' To 25', Add	*2.10*	
		For Elevated Installation >25' To 30', Add	*2.94*	
		For Elevated Installation >30' To 35', Add	*3.36*	
		For Elevated Installation >35' To 40', Add	*4.20*	
		For Elevated Installation >40', Add	*4.61*	
26 05 33 13-0638	EA	1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	11.92	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Elevated Installation >10' To 15', Add	*1.03*	
		For Elevated Installation >15' To 20', Add	*2.05*	
		For Elevated Installation >20' To 25', Add	*2.57*	
		For Elevated Installation >25' To 30', Add	*3.59*	
		For Elevated Installation >30' To 35', Add	*4.10*	
		For Elevated Installation >35' To 40', Add	*5.13*	
		For Elevated Installation >40', Add	*5.64*	
26 05 33 13-0639	EA	2" Electrical Metallic Tubing (EMT) Set Screw Coupling	16.19	5.60
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
26 05 33 13-0640	EA	2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	22.52	7.46
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
26 05 33 13-0641	EA	3" Electrical Metallic Tubing (EMT) Set Screw Coupling	29.31	8.58
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0642	EA	3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling	32.72	9.32
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0643	EA	4" Electrical Metallic Tubing (EMT) Set Screw Coupling	96.75	27.27
		For Work In Restricted Working Space, Add	*26.48*	
		For Elevated Installation >10' To 15', Add	*8.83*	
		For Elevated Installation >15' To 20', Add	*17.65*	
		For Elevated Installation >20' To 25', Add	*22.07*	
		For Elevated Installation >25' To 30', Add	*30.89*	
		For Elevated Installation >30' To 35', Add	*35.31*	
		For Elevated Installation >35' To 40', Add	*44.14*	
		For Elevated Installation >40', Add	*48.55*	

26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings *(26 05 33 13-0599)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0645	EA	1/2 Electrical Metallic Tubing (EMT) Compression Coupling	6.24	2.24
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling	7.23	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling	10.29	3.73
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling	13.21	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	15.91	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.57*	
		For Elevated Installation >30' To 35', Add	*5.22*	
		For Elevated Installation >35' To 40', Add	*6.53*	
		For Elevated Installation >40', Add	*7.18*	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling	21.28	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	34.13	8.95
		For Work In Restricted Working Space, Add	*6.71*	
		For Elevated Installation >10' To 15', Add	*2.24*	
		For Elevated Installation >15' To 20', Add	*4.48*	
		For Elevated Installation >20' To 25', Add	*5.60*	
		For Elevated Installation >25' To 30', Add	*7.83*	
		For Elevated Installation >30' To 35', Add	*8.95*	
		For Elevated Installation >35' To 40', Add	*11.19*	
		For Elevated Installation >40', Add	*12.31*	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling	39.45	10.44
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling	49.33	13.05
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling	63.25	16.78
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings *(26 05 33 13-0599)*

26 05 33 13-0656	EA	1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling	7.15	2.24
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-0657	EA	3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	8.23	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.96*	
26 05 33 13-0658	EA	1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	12.20	3.73
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.87*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.27*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.67*	
		For Elevated Installation >40', Add	*5.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-0659	EA	1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	15.52	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-0660	EA	1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	20.01	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.57*	
		For Elevated Installation >30' To 35', Add	*5.22*	
		For Elevated Installation >35' To 40', Add	*6.53*	
		For Elevated Installation >40', Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-0661	EA	2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	24.40	6.34
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.76*	
26 05 33 13-0662	EA	2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	32.82	8.58
		For Work In Restricted Working Space, Add	*6.43*	
		For Elevated Installation >10' To 15', Add	*2.14*	
		For Elevated Installation >15' To 20', Add	*4.29*	
		For Elevated Installation >20' To 25', Add	*5.36*	
		For Elevated Installation >25' To 30', Add	*7.50*	
		For Elevated Installation >30' To 35', Add	*8.58*	
		For Elevated Installation >35' To 40', Add	*10.72*	
		For Elevated Installation >40', Add	*11.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0663	EA	3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	41.56	10.44
		For Work In Restricted Working Space, Add	*7.83*	
		For Elevated Installation >10' To 15', Add	*2.61*	
		For Elevated Installation >15' To 20', Add	*5.22*	
		For Elevated Installation >20' To 25', Add	*6.53*	
		For Elevated Installation >25' To 30', Add	*9.14*	
		For Elevated Installation >30' To 35', Add	*10.44*	
		For Elevated Installation >35' To 40', Add	*13.05*	
		For Elevated Installation >40', Add	*14.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-0664	EA	3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	54.99	13.05
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-0665	EA	4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling	66.95	16.78
		For Work In Restricted Working Space, Add	*12.59*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	

26 05 33 13-0666 Electrical Metallic Tubing (EMT) Insulated Bushing *(26 05 33 13-0599)*

26 05 33 13-0667	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	6.34	2.52
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.56*	
		For Elevated Installation >25' To 30', Add	*2.19*	
		For Elevated Installation >30' To 35', Add	*2.50*	
		For Elevated Installation >35' To 40', Add	*3.13*	
		For Elevated Installation >40', Add	*3.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.88*	
26 05 33 13-0668	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Bushing	6.93	2.71
		For Work In Restricted Working Space, Add	*2.04*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.36*	
		For Elevated Installation >20' To 25', Add	*1.70*	
		For Elevated Installation >25' To 30', Add	*2.38*	
		For Elevated Installation >30' To 35', Add	*2.72*	
		For Elevated Installation >35' To 40', Add	*3.40*	
		For Elevated Installation >40', Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-0669	EA	1" Electrical Metallic Tubing (EMT) Insulated Bushing	8.72	3.36
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0670	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing	11.16	4.29
		For Work In Restricted Working Space, Add	*3.19*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.66*	
		For Elevated Installation >25' To 30', Add	*3.72*	
		For Elevated Installation >30' To 35', Add	*4.25*	
		For Elevated Installation >35' To 40', Add	*5.32*	
		For Elevated Installation >40', Add	*5.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.19*	
26 05 33 13-0671	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	13.23	4.94
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.20*	
		For Elevated Installation >40', Add	*6.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0672	EA	2" Electrical Metallic Tubing (EMT) Insulated Bushing	16.31	5.97
		For Work In Restricted Working Space, Add	*4.47*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.98*	
		For Elevated Installation >20' To 25', Add	*3.73*	
		For Elevated Installation >25' To 30', Add	*5.22*	
		For Elevated Installation >30' To 35', Add	*5.96*	
		For Elevated Installation >35' To 40', Add	*7.46*	
		For Elevated Installation >40', Add	*8.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-0673	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	23.71	8.29
		For Work In Restricted Working Space, Add	*6.21*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.14*	
		For Elevated Installation >20' To 25', Add	*5.17*	
		For Elevated Installation >25' To 30', Add	*7.24*	
		For Elevated Installation >30' To 35', Add	*8.28*	
		For Elevated Installation >35' To 40', Add	*10.35*	
		For Elevated Installation >40', Add	*11.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.21*	
26 05 33 13-0674	EA	3" Electrical Metallic Tubing (EMT) Insulated Bushing	31.43	11.00
		For Work In Restricted Working Space, Add	*8.28*	
		For Elevated Installation >10' To 15', Add	*2.76*	
		For Elevated Installation >15' To 20', Add	*5.52*	
		For Elevated Installation >20' To 25', Add	*6.90*	
		For Elevated Installation >25' To 30', Add	*9.66*	
		For Elevated Installation >30' To 35', Add	*11.04*	
		For Elevated Installation >35' To 40', Add	*13.80*	
		For Elevated Installation >40', Add	*15.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.28*	
26 05 33 13-0675	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing	40.25	14.17
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.10*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.43*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.76*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0676	EA	4" Electrical Metallic Tubing (EMT) Insulated Bushing	51.88	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

26 05 33 13-0677 Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0678	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	4.87	1.87
		For Work In Restricted Working Space, Add	*1.40*	
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.40*	
26 05 33 13-0679	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	5.93	2.24
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-0680	EA	1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	7.11	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0681	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	10.38	3.73
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-0682	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	12.72	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	16.26	5.60
		For Work In Restricted Working Space, Add	*4.19*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	25.00	7.46
		For Work In Restricted Working Space, Add	*5.60*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	31.06	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	36.68	11.18
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw	42.73	13.05
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	

26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw *(26 05 33 13-0599)*

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	6.59	2.52
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.56*	
		For Elevated Installation >25' To 30', Add	*2.19*	
		For Elevated Installation >30' To 35', Add	*2.50*	
		For Elevated Installation >35' To 40', Add	*3.13*	
		For Elevated Installation >40', Add	*3.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	7.34	2.71
		For Work In Restricted Working Space, Add	*2.04*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.36*	
		For Elevated Installation >20' To 25', Add	*1.70*	
		For Elevated Installation >25' To 30', Add	*2.38*	
		For Elevated Installation >30' To 35', Add	*2.72*	
		For Elevated Installation >35' To 40', Add	*3.40*	
		For Elevated Installation >40', Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	9.26	3.36
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0692	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	12.24	4.29
		For Work In Restricted Working Space, Add	*3.19*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.66*	
		For Elevated Installation >25' To 30', Add	*3.72*	
		For Elevated Installation >30' To 35', Add	*4.25*	
		For Elevated Installation >35' To 40', Add	*5.32*	
		For Elevated Installation >40', Add	*5.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.19*	
26 05 33 13-0693	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	14.54	4.94
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.20*	
		For Elevated Installation >40', Add	*6.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.72*	
26 05 33 13-0694	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	17.85	5.97
		For Work In Restricted Working Space, Add	*4.47*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.98*	
		For Elevated Installation >20' To 25', Add	*3.73*	
		For Elevated Installation >25' To 30', Add	*5.22*	
		For Elevated Installation >30' To 35', Add	*5.96*	
		For Elevated Installation >35' To 40', Add	*7.46*	
		For Elevated Installation >40', Add	*8.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-0695	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	30.30	8.29
		For Work In Restricted Working Space, Add	*6.21*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.14*	
		For Elevated Installation >20' To 25', Add	*5.17*	
		For Elevated Installation >25' To 30', Add	*7.24*	
		For Elevated Installation >30' To 35', Add	*8.28*	
		For Elevated Installation >35' To 40', Add	*10.35*	
		For Elevated Installation >40', Add	*11.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.21*	
26 05 33 13-0696	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	39.08	11.00
		For Work In Restricted Working Space, Add	*8.28*	
		For Elevated Installation >10' To 15', Add	*2.76*	
		For Elevated Installation >15' To 20', Add	*5.52*	
		For Elevated Installation >20' To 25', Add	*6.90*	
		For Elevated Installation >25' To 30', Add	*9.66*	
		For Elevated Installation >30' To 35', Add	*11.04*	
		For Elevated Installation >35' To 40', Add	*13.80*	
		For Elevated Installation >40', Add	*15.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.28*	
26 05 33 13-0697	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	49.89	14.17
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.10*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.43*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.76*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0698	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw	62.42	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

26 05 33 13-0699 Electrical Metallic Tubing (EMT) Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0700	EA	1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	5.93	2.24
		For Work In Restricted Working Space, Add	*1.68*	
		For Elevated Installation >10' To 15', Add	*0.56*	
		For Elevated Installation >15' To 20', Add	*1.12*	
		For Elevated Installation >20' To 25', Add	*1.40*	
		For Elevated Installation >25' To 30', Add	*1.96*	
		For Elevated Installation >30' To 35', Add	*2.24*	
		For Elevated Installation >35' To 40', Add	*2.80*	
		For Elevated Installation >40', Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.68*	
26 05 33 13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	7.03	2.61
		For Work In Restricted Working Space, Add	*1.96*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.96*	
26 05 33 13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	10.03	3.73
		For Work In Restricted Working Space, Add	*2.80*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	12.52	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	14.93	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Elevated Installation >10' To 15', Add	*1.31*	
		For Elevated Installation >15' To 20', Add	*2.61*	
		For Elevated Installation >20' To 25', Add	*3.26*	
		For Elevated Installation >25' To 30', Add	*4.57*	
		For Elevated Installation >30' To 35', Add	*5.22*	
		For Elevated Installation >35' To 40', Add	*6.53*	
		For Elevated Installation >40', Add	*7.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	19.51	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	30.60	8.95
		For Work In Restricted Working Space, Add	*6.71*	
		For Elevated Installation >10' To 15', Add	*2.24*	
		For Elevated Installation >15' To 20', Add	*4.48*	
		For Elevated Installation >20' To 25', Add	*5.60*	
		For Elevated Installation >25' To 30', Add	*7.83*	
		For Elevated Installation >30' To 35', Add	*8.95*	
		For Elevated Installation >35' To 40', Add	*11.19*	
		For Elevated Installation >40', Add	*12.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	38.71	11.18
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 05 33 13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	49.19	13.05
		For Work In Restricted Working Space, Add	*9.79*	
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector	55.25	14.91
		For Work In Restricted Working Space, Add	*11.19*	
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.19*	

26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors *(26 05 33 13-0599)*

26 05 33 13-0711	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	6.81	2.52
		For Work In Restricted Working Space, Add	*1.88*	
		For Elevated Installation >10' To 15', Add	*0.63*	
		For Elevated Installation >15' To 20', Add	*1.25*	
		For Elevated Installation >20' To 25', Add	*1.56*	
		For Elevated Installation >25' To 30', Add	*2.19*	
		For Elevated Installation >30' To 35', Add	*2.50*	
		For Elevated Installation >35' To 40', Add	*3.13*	
		For Elevated Installation >40', Add	*3.44*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.88*	
26 05 33 13-0712	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	7.58	2.71
		For Work In Restricted Working Space, Add	*2.04*	
		For Elevated Installation >10' To 15', Add	*0.68*	
		For Elevated Installation >15' To 20', Add	*1.36*	
		For Elevated Installation >20' To 25', Add	*1.70*	
		For Elevated Installation >25' To 30', Add	*2.38*	
		For Elevated Installation >30' To 35', Add	*2.72*	
		For Elevated Installation >35' To 40', Add	*3.40*	
		For Elevated Installation >40', Add	*3.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.04*	
26 05 33 13-0713	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	9.45	3.36
		For Work In Restricted Working Space, Add	*2.49*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.66*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.90*	
		For Elevated Installation >30' To 35', Add	*3.32*	
		For Elevated Installation >35' To 40', Add	*4.15*	
		For Elevated Installation >40', Add	*4.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.49*	
26 05 33 13-0714	EA	1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	12.80	4.29
		For Work In Restricted Working Space, Add	*3.19*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.66*	
		For Elevated Installation >25' To 30', Add	*3.72*	
		For Elevated Installation >30' To 35', Add	*4.25*	
		For Elevated Installation >35' To 40', Add	*5.32*	
		For Elevated Installation >40', Add	*5.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.19*	
26 05 33 13-0715	EA	1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	15.47	4.94
		For Work In Restricted Working Space, Add	*3.72*	
		For Elevated Installation >10' To 15', Add	*1.24*	
		For Elevated Installation >15' To 20', Add	*2.48*	
		For Elevated Installation >20' To 25', Add	*3.10*	
		For Elevated Installation >25' To 30', Add	*4.34*	
		For Elevated Installation >30' To 35', Add	*4.96*	
		For Elevated Installation >35' To 40', Add	*6.20*	
		For Elevated Installation >40', Add	*6.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0716	EA	2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	19.20	5.97
		For Work In Restricted Working Space, Add	*4.47*	
		For Elevated Installation >10' To 15', Add	*1.49*	
		For Elevated Installation >15' To 20', Add	*2.98*	
		For Elevated Installation >20' To 25', Add	*3.73*	
		For Elevated Installation >25' To 30', Add	*5.22*	
		For Elevated Installation >30' To 35', Add	*5.96*	
		For Elevated Installation >35' To 40', Add	*7.46*	
		For Elevated Installation >40', Add	*8.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-0717	EA	2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	35.26	8.29
		For Work In Restricted Working Space, Add	*6.21*	
		For Elevated Installation >10' To 15', Add	*2.07*	
		For Elevated Installation >15' To 20', Add	*4.14*	
		For Elevated Installation >20' To 25', Add	*5.17*	
		For Elevated Installation >25' To 30', Add	*7.24*	
		For Elevated Installation >30' To 35', Add	*8.28*	
		For Elevated Installation >35' To 40', Add	*10.35*	
		For Elevated Installation >40', Add	*11.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.21*	
26 05 33 13-0718	EA	3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	47.41	11.00
		For Work In Restricted Working Space, Add	*8.28*	
		For Elevated Installation >10' To 15', Add	*2.76*	
		For Elevated Installation >15' To 20', Add	*5.52*	
		For Elevated Installation >20' To 25', Add	*6.90*	
		For Elevated Installation >25' To 30', Add	*9.66*	
		For Elevated Installation >30' To 35', Add	*11.04*	
		For Elevated Installation >35' To 40', Add	*13.80*	
		For Elevated Installation >40', Add	*15.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.28*	
26 05 33 13-0719	EA	3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	64.48	14.17
		For Work In Restricted Working Space, Add	*10.66*	
		For Elevated Installation >10' To 15', Add	*3.55*	
		For Elevated Installation >15' To 20', Add	*7.10*	
		For Elevated Installation >20' To 25', Add	*8.88*	
		For Elevated Installation >25' To 30', Add	*12.43*	
		For Elevated Installation >30' To 35', Add	*14.21*	
		For Elevated Installation >35' To 40', Add	*17.76*	
		For Elevated Installation >40', Add	*19.54*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.66*	
26 05 33 13-0720	EA	4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector	80.48	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

26 05 33 13-0721 Electrical Metallic Tubing (EMT) Expansion Coupling *(26 05 33 13-0599)*

Note: Excludes jumper.

26 05 33 13-0722	EA	1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	53.99	12.40
		For Work In Restricted Working Space, Add	*9.31*	
		For Elevated Installation >10' To 15', Add	*3.10*	
		For Elevated Installation >15' To 20', Add	*6.20*	
		For Elevated Installation >20' To 25', Add	*7.76*	
		For Elevated Installation >25' To 30', Add	*10.86*	
		For Elevated Installation >30' To 35', Add	*12.41*	
		For Elevated Installation >35' To 40', Add	*15.51*	
		For Elevated Installation >40', Add	*17.06*	
26 05 33 13-0723	EA	3/4" Electrical Metallic Tubing (EMT) Expansion Coupling	65.00	15.01
		For Work In Restricted Working Space, Add	*11.28*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.52*	
		For Elevated Installation >20' To 25', Add	*9.40*	
		For Elevated Installation >25' To 30', Add	*13.16*	
		For Elevated Installation >30' To 35', Add	*15.04*	
		For Elevated Installation >35' To 40', Add	*18.80*	
		For Elevated Installation >40', Add	*20.68*	
26 05 33 13-0724	EA	1" Electrical Metallic Tubing (EMT) Expansion Coupling	79.73	18.83
		For Work In Restricted Working Space, Add	*14.10*	
		For Elevated Installation >10' To 15', Add	*4.70*	
		For Elevated Installation >15' To 20', Add	*9.40*	
		For Elevated Installation >20' To 25', Add	*11.75*	
		For Elevated Installation >25' To 30', Add	*16.45*	
		For Elevated Installation >30' To 35', Add	*18.80*	
		For Elevated Installation >35' To 40', Add	*23.51*	
		For Elevated Installation >40', Add	*25.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0725	EA	1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling	103.67	23.12
		For Work In Restricted Working Space, Add	*17.35*	
		For Elevated Installation >10' To 15', Add	*5.78*	
		For Elevated Installation >15' To 20', Add	*11.57*	
		For Elevated Installation >20' To 25', Add	*14.46*	
		For Elevated Installation >25' To 30', Add	*20.24*	
		For Elevated Installation >30' To 35', Add	*23.13*	
		For Elevated Installation >35' To 40', Add	*28.92*	
		For Elevated Installation >40', Add	*31.81*	
26 05 33 13-0726	EA	1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	129.58	27.13
		For Work In Restricted Working Space, Add	*20.34*	
		For Elevated Installation >10' To 15', Add	*6.78*	
		For Elevated Installation >15' To 20', Add	*13.56*	
		For Elevated Installation >20' To 25', Add	*16.95*	
		For Elevated Installation >25' To 30', Add	*23.73*	
		For Elevated Installation >30' To 35', Add	*27.12*	
		For Elevated Installation >35' To 40', Add	*33.91*	
		For Elevated Installation >40', Add	*37.30*	
26 05 33 13-0727	EA	2" Electrical Metallic Tubing (EMT) Expansion Coupling	162.91	33.00
		For Work In Restricted Working Space, Add	*24.77*	
		For Elevated Installation >10' To 15', Add	*8.26*	
		For Elevated Installation >15' To 20', Add	*16.52*	
		For Elevated Installation >20' To 25', Add	*20.65*	
		For Elevated Installation >25' To 30', Add	*28.90*	
		For Elevated Installation >30' To 35', Add	*33.03*	
		For Elevated Installation >35' To 40', Add	*41.29*	
		For Elevated Installation >40', Add	*45.42*	
26 05 33 13-0728	EA	2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	321.08	42.42
		For Work In Restricted Working Space, Add	*31.82*	
		For Elevated Installation >10' To 15', Add	*10.61*	
		For Elevated Installation >15' To 20', Add	*21.21*	
		For Elevated Installation >20' To 25', Add	*26.52*	
		For Elevated Installation >25' To 30', Add	*37.12*	
		For Elevated Installation >30' To 35', Add	*42.42*	
		For Elevated Installation >35' To 40', Add	*53.03*	
		For Elevated Installation >40', Add	*58.33*	
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling	393.83	49.59
		For Work In Restricted Working Space, Add	*37.21*	
		For Elevated Installation >10' To 15', Add	*12.40*	
		For Elevated Installation >15' To 20', Add	*24.80*	
		For Elevated Installation >20' To 25', Add	*31.01*	
		For Elevated Installation >25' To 30', Add	*43.41*	
		For Elevated Installation >30' To 35', Add	*49.61*	
		For Elevated Installation >35' To 40', Add	*62.01*	
		For Elevated Installation >40', Add	*68.21*	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling	487.03	54.06
		For Work In Restricted Working Space, Add	*40.56*	
		For Elevated Installation >10' To 15', Add	*13.52*	
		For Elevated Installation >15' To 20', Add	*27.04*	
		For Elevated Installation >20' To 25', Add	*33.80*	
		For Elevated Installation >25' To 30', Add	*47.32*	
		For Elevated Installation >30' To 35', Add	*54.08*	
		For Elevated Installation >35' To 40', Add	*67.61*	
		For Elevated Installation >40', Add	*74.37*	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling	526.58	59.66
		For Work In Restricted Working Space, Add	*44.76*	
		For Elevated Installation >10' To 15', Add	*14.92*	
		For Elevated Installation >15' To 20', Add	*29.84*	
		For Elevated Installation >20' To 25', Add	*37.30*	
		For Elevated Installation >25' To 30', Add	*52.22*	
		For Elevated Installation >30' To 35', Add	*59.68*	
		For Elevated Installation >35' To 40', Add	*74.60*	
		For Elevated Installation >40', Add	*82.06*	

26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters

(26 05 33 13-0599)

26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	9.66	3.36
		For Work In Restricted Working Space, Add	*2.48*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.65*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.89*	
		For Elevated Installation >30' To 35', Add	*3.31*	
		For Elevated Installation >35' To 40', Add	*4.14*	
		For Elevated Installation >40', Add	*4.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	10.41	3.36
		For Work In Restricted Working Space, Add	*2.48*	
		For Elevated Installation >10' To 15', Add	*0.83*	
		For Elevated Installation >15' To 20', Add	*1.65*	
		For Elevated Installation >20' To 25', Add	*2.07*	
		For Elevated Installation >25' To 30', Add	*2.89*	
		For Elevated Installation >30' To 35', Add	*3.31*	
		For Elevated Installation >35' To 40', Add	*4.14*	
		For Elevated Installation >40', Add	*4.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	11.66	3.63
		For Work In Restricted Working Space, Add	*2.76*	
		For Elevated Installation >10' To 15', Add	*0.92*	
		For Elevated Installation >15' To 20', Add	*1.84*	
		For Elevated Installation >20' To 25', Add	*2.30*	
		For Elevated Installation >25' To 30', Add	*3.22*	
		For Elevated Installation >30' To 35', Add	*3.68*	
		For Elevated Installation >35' To 40', Add	*4.60*	
		For Elevated Installation >40', Add	*5.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.76*	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	13.62	4.19
		For Work In Restricted Working Space, Add	*3.14*	
		For Elevated Installation >10' To 15', Add	*1.05*	
		For Elevated Installation >15' To 20', Add	*2.09*	
		For Elevated Installation >20' To 25', Add	*2.62*	
		For Elevated Installation >25' To 30', Add	*3.66*	
		For Elevated Installation >30' To 35', Add	*4.19*	
		For Elevated Installation >35' To 40', Add	*5.24*	
		For Elevated Installation >40', Add	*5.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.14*	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	19.79	5.04
		For Work In Restricted Working Space, Add	*3.80*	
		For Elevated Installation >10' To 15', Add	*1.27*	
		For Elevated Installation >15' To 20', Add	*2.53*	
		For Elevated Installation >20' To 25', Add	*3.17*	
		For Elevated Installation >25' To 30', Add	*4.43*	
		For Elevated Installation >30' To 35', Add	*5.06*	
		For Elevated Installation >35' To 40', Add	*6.33*	
		For Elevated Installation >40', Add	*6.96*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.80*	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	24.38	5.78
		For Work In Restricted Working Space, Add	*4.34*	
		For Elevated Installation >10' To 15', Add	*1.45*	
		For Elevated Installation >15' To 20', Add	*2.89*	
		For Elevated Installation >20' To 25', Add	*3.62*	
		For Elevated Installation >25' To 30', Add	*5.06*	
		For Elevated Installation >30' To 35', Add	*5.78*	
		For Elevated Installation >35' To 40', Add	*7.23*	
		For Elevated Installation >40', Add	*7.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.34*	
26 05 33 13-0739	EA	2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter	31.92	7.27
		For Work In Restricted Working Space, Add	*5.42*	
		For Elevated Installation >10' To 15', Add	*1.81*	
		For Elevated Installation >15' To 20', Add	*3.62*	
		For Elevated Installation >20' To 25', Add	*4.52*	
		For Elevated Installation >25' To 30', Add	*6.33*	
		For Elevated Installation >30' To 35', Add	*7.23*	
		For Elevated Installation >35' To 40', Add	*9.04*	
		For Elevated Installation >40', Add	*9.94*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.42*	

26 05 33 13-0740 Electrical Metallic Tubing (EMT) Pulling Elbows *(26 05 33 13-0599)*

26 05 33 13-0741	EA	1/2" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	20.38	8.39
		For Work In Restricted Working Space, Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-0742	EA	3/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	23.76	9.79
		For Work In Restricted Working Space, Add	*5.87*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.87*	
26 05 33 13-0743	EA	1" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	29.84	11.18
		For Work In Restricted Working Space, Add	*6.71*	
		For Elevated Installation >15' To 20', Add	*4.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.71*	
26 05 33 13-0744	EA	1-1/4" Electrical Metallic Tubing (EMT) Pulling Elbow With Set Screws	38.23	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	

26 05 33 13-0745 Intermediate Metal Conduit (IMC) *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0746 Intermediate Metal Conduit (IMC) Conduit *(26 05 33 13-0745)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0747	LF	1/2" Intermediate Metal Conduit (IMC) Conduit	7.45	1.87
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.73*	
		For >1,000, Deduct	*-0.26*	
		For Installation In Metal Stud Wall, Add	*0.48*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.21*	
		For Elevated Installation >10' To 15', Add	*0.48*	
		For Elevated Installation >15' To 20', Add	*0.97*	
		For Elevated Installation >20' To 25', Add	*1.21*	
		For Elevated Installation >25' To 30', Add	*1.69*	
		For Elevated Installation >30' To 35', Add	*1.94*	
		For Elevated Installation >35' To 40', Add	*2.42*	
		For Elevated Installation >40', Add	*2.66*	
		For Work In Restricted Working Space, Add	*1.45*	
		For >250 To 500, Deduct	*-0.13*	
		For >500 To 1,000, Deduct	*-0.20*	
26 05 33 13-0748	LF	3/4" Intermediate Metal Conduit (IMC) Conduit	8.89	2.05
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.87*	
		For >1,000, Deduct	*-0.31*	
		For Installation In Metal Stud Wall, Add	*0.58*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.45*	
		For Elevated Installation >10' To 15', Add	*0.58*	
		For Elevated Installation >15' To 20', Add	*1.16*	
		For Elevated Installation >20' To 25', Add	*1.45*	
		For Elevated Installation >25' To 30', Add	*2.02*	
		For Elevated Installation >30' To 35', Add	*2.31*	
		For Elevated Installation >35' To 40', Add	*2.89*	
		For Elevated Installation >40', Add	*3.18*	
		For Work In Restricted Working Space, Add	*1.73*	
		For >250 To 500, Deduct	*-0.16*	
		For >500 To 1,000, Deduct	*-0.23*	
26 05 33 13-0749	LF	1" Intermediate Metal Conduit (IMC) Conduit	12.08	2.24
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.09*	
		For >1,000, Deduct	*-0.48*	
		For Installation In Metal Stud Wall, Add	*0.73*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.82*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.45*	
		For Elevated Installation >20' To 25', Add	*1.82*	
		For Elevated Installation >25' To 30', Add	*2.54*	
		For Elevated Installation >30' To 35', Add	*2.91*	
		For Elevated Installation >35' To 40', Add	*3.64*	
		For Elevated Installation >40', Add	*4.00*	
		For Work In Restricted Working Space, Add	*2.18*	
		For >250 To 500, Deduct	*-0.24*	
		For >500 To 1,000, Deduct	*-0.36*	
26 05 33 13-0750	LF	1-1/4" Intermediate Metal Conduit (IMC) Conduit	14.10	4.47
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.20*	
		For >1,000, Deduct	*-0.61*	
		For Installation In Metal Stud Wall, Add	*0.80*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.00*	
		For Elevated Installation >10' To 15', Add	*0.80*	
		For Elevated Installation >15' To 20', Add	*1.60*	
		For Elevated Installation >20' To 25', Add	*2.00*	
		For Elevated Installation >25' To 30', Add	*2.80*	
		For Elevated Installation >30' To 35', Add	*3.20*	
		For Elevated Installation >35' To 40', Add	*4.01*	
		For Elevated Installation >40', Add	*4.41*	
		For Work In Restricted Working Space, Add	*2.40*	
		For >250 To 500, Deduct	*-0.30*	
		For >500 To 1,000, Deduct	*-0.46*	
26 05 33 13-0751	LF	1-1/2" Intermediate Metal Conduit (IMC) Conduit	15.96	2.98
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.32*	
		For >1,000, Deduct	*-0.72*	
		For Installation In Metal Stud Wall, Add	*0.88*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.19*	
		For Elevated Installation >10' To 15', Add	*0.88*	
		For Elevated Installation >15' To 20', Add	*1.75*	
		For Elevated Installation >20' To 25', Add	*2.19*	
		For Elevated Installation >25' To 30', Add	*3.07*	
		For Elevated Installation >30' To 35', Add	*3.51*	
		For Elevated Installation >35' To 40', Add	*4.39*	
		For Elevated Installation >40', Add	*4.82*	
		For Work In Restricted Working Space, Add	*2.63*	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0752	LF	2" Intermediate Metal Conduit (IMC) Conduit	20.38	3.36
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.59*	
		For >1,000, Deduct	*-0.98*	
		For Installation In Metal Stud Wall, Add	*1.06*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.66*	
		For Elevated Installation >10' To 15', Add	*1.06*	
		For Elevated Installation >15' To 20', Add	*2.13*	
		For Elevated Installation >20' To 25', Add	*2.66*	
		For Elevated Installation >25' To 30', Add	*3.72*	
		For Elevated Installation >30' To 35', Add	*4.25*	
		For Elevated Installation >35' To 40', Add	*5.32*	
		For Elevated Installation >40', Add	*5.85*	
		For Work In Restricted Working Space, Add	*3.19*	
		For >250 To 500, Deduct	*-0.49*	
		For >500 To 1,000, Deduct	*-0.73*	
26 05 33 13-0753	LF	2-1/2" Intermediate Metal Conduit (IMC) Conduit	35.68	4.47
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.11*	
		For >1,000, Deduct	*-2.16*	
		For Installation In Metal Stud Wall, Add	*1.41*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*3.52*	
		For Elevated Installation >10' To 15', Add	*1.41*	
		For Elevated Installation >15' To 20', Add	*2.81*	
		For Elevated Installation >20' To 25', Add	*3.52*	
		For Elevated Installation >25' To 30', Add	*4.92*	
		For Elevated Installation >30' To 35', Add	*5.63*	
		For Elevated Installation >35' To 40', Add	*7.04*	
		For Elevated Installation >40', Add	*7.74*	
		For Work In Restricted Working Space, Add	*4.22*	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-1.62*	
26 05 33 13-0754	LF	3" Intermediate Metal Conduit (IMC) Conduit	45.25	5.60
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.80*	
		For >1,000, Deduct	*-2.66*	
		For Installation In Metal Stud Wall, Add	*1.87*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*4.66*	
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Work In Restricted Working Space, Add	*5.60*	
		For >250 To 500, Deduct	*-1.33*	
		For >500 To 1,000, Deduct	*-2.00*	
26 05 33 13-0755	LF	3-1/2" Intermediate Metal Conduit (IMC) Conduit	52.15	6.71
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.20*	
		For >1,000, Deduct	*-3.08*	
		For Installation In Metal Stud Wall, Add	*2.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*5.34*	
		For Elevated Installation >10' To 15', Add	*2.13*	
		For Elevated Installation >15' To 20', Add	*4.27*	
		For Elevated Installation >20' To 25', Add	*5.34*	
		For Elevated Installation >25' To 30', Add	*7.47*	
		For Elevated Installation >30' To 35', Add	*8.54*	
		For Elevated Installation >35' To 40', Add	*10.67*	
		For Elevated Installation >40', Add	*11.74*	
		For Work In Restricted Working Space, Add	*6.40*	
		For >250 To 500, Deduct	*-1.54*	
		For >500 To 1,000, Deduct	*-2.31*	
26 05 33 13-0756	LF	4" Intermediate Metal Conduit (IMC) Conduit	61.15	7.83
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.73*	
		For >1,000, Deduct	*-3.63*	
		For Installation In Metal Stud Wall, Add	*2.49*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*6.22*	
		For Elevated Installation >10' To 15', Add	*2.49*	
		For Elevated Installation >15' To 20', Add	*4.98*	
		For Elevated Installation >20' To 25', Add	*6.22*	
		For Elevated Installation >25' To 30', Add	*8.71*	
		For Elevated Installation >30' To 35', Add	*9.96*	
		For Elevated Installation >35' To 40', Add	*12.45*	
		For Elevated Installation >40', Add	*13.69*	
		For Work In Restricted Working Space, Add	*7.47*	
		For >250 To 500, Deduct	*-1.81*	
		For >500 To 1,000, Deduct	*-2.72*	

26 05 33 13-0757 Intermediate Metal Conduit (IMC) 90 Degree Elbows *(26 05 33 13-0745)*

See CSI section 26 05 33 13-2319 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0758	EA	1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	34.56	9.23
		For Elevated Installation >10' To 15', Add	*2.32*	
		For Elevated Installation >15' To 20', Add	*4.63*	
		For Elevated Installation >20' To 25', Add	*5.79*	
		For Elevated Installation >25' To 30', Add	*8.10*	
		For Elevated Installation >30' To 35', Add	*9.26*	
		For Elevated Installation >35' To 40', Add	*11.58*	
		For Elevated Installation >40', Add	*12.73*	
		For Work In Restricted Working Space, Add	*6.95*	
26 05 33 13-0759	EA	3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	41.59	11.46
		For Elevated Installation >10' To 15', Add	*2.88*	
		For Elevated Installation >15' To 20', Add	*5.76*	
		For Elevated Installation >20' To 25', Add	*7.20*	
		For Elevated Installation >25' To 30', Add	*10.07*	
		For Elevated Installation >30' To 35', Add	*11.51*	
		For Elevated Installation >35' To 40', Add	*14.39*	
		For Elevated Installation >40', Add	*15.83*	
		For Work In Restricted Working Space, Add	*8.63*	
26 05 33 13-0760	EA	1" Intermediate Metal Conduit (IMC) 90 Degree Elbow	53.30	14.07
		For Elevated Installation >10' To 15', Add	*3.51*	
		For Elevated Installation >15' To 20', Add	*7.02*	
		For Elevated Installation >20' To 25', Add	*8.78*	
		For Elevated Installation >25' To 30', Add	*12.29*	
		For Elevated Installation >30' To 35', Add	*14.04*	
		For Elevated Installation >35' To 40', Add	*17.55*	
		For Elevated Installation >40', Add	*19.31*	
		For Work In Restricted Working Space, Add	*10.53*	
26 05 33 13-0761	EA	1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	66.27	16.31
		For Elevated Installation >10' To 15', Add	*4.08*	
		For Elevated Installation >15' To 20', Add	*8.15*	
		For Elevated Installation >20' To 25', Add	*10.19*	
		For Elevated Installation >25' To 30', Add	*14.26*	
		For Elevated Installation >30' To 35', Add	*16.30*	
		For Elevated Installation >35' To 40', Add	*20.38*	
		For Elevated Installation >40', Add	*22.41*	
		For Work In Restricted Working Space, Add	*12.23*	
26 05 33 13-0762	EA	1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	79.05	18.74
		For Elevated Installation >10' To 15', Add	*4.68*	
		For Elevated Installation >15' To 20', Add	*9.35*	
		For Elevated Installation >20' To 25', Add	*11.69*	
		For Elevated Installation >25' To 30', Add	*16.37*	
		For Elevated Installation >30' To 35', Add	*18.71*	
		For Elevated Installation >35' To 40', Add	*23.39*	
		For Elevated Installation >40', Add	*25.72*	
		For Work In Restricted Working Space, Add	*14.03*	
26 05 33 13-0763	EA	2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	97.92	20.60
		For Elevated Installation >10' To 15', Add	*5.15*	
		For Elevated Installation >15' To 20', Add	*10.29*	
		For Elevated Installation >20' To 25', Add	*12.86*	
		For Elevated Installation >25' To 30', Add	*18.01*	
		For Elevated Installation >30' To 35', Add	*20.58*	
		For Elevated Installation >35' To 40', Add	*25.73*	
		For Elevated Installation >40', Add	*28.30*	
		For Work In Restricted Working Space, Add	*15.44*	
26 05 33 13-0764	EA	2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	143.21	25.73
		For Elevated Installation >10' To 15', Add	*6.43*	
		For Elevated Installation >15' To 20', Add	*12.86*	
		For Elevated Installation >20' To 25', Add	*16.08*	
		For Elevated Installation >25' To 30', Add	*22.51*	
		For Elevated Installation >30' To 35', Add	*25.72*	
		For Elevated Installation >35' To 40', Add	*32.16*	
		For Elevated Installation >40', Add	*35.37*	
		For Work In Restricted Working Space, Add	*19.29*	
26 05 33 13-0765	EA	3" Intermediate Metal Conduit (IMC) 90 Degree Elbow	208.40	35.06
		For Elevated Installation >10' To 15', Add	*8.76*	
		For Elevated Installation >15' To 20', Add	*17.52*	
		For Elevated Installation >20' To 25', Add	*21.90*	
		For Elevated Installation >25' To 30', Add	*30.66*	
		For Elevated Installation >30' To 35', Add	*35.04*	
		For Elevated Installation >35' To 40', Add	*43.81*	
		For Elevated Installation >40', Add	*48.19*	
		For Work In Restricted Working Space, Add	*26.28*	
26 05 33 13-0766	EA	3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow	312.07	39.53
		For Elevated Installation >10' To 15', Add	*9.88*	
		For Elevated Installation >15' To 20', Add	*19.77*	
		For Elevated Installation >20' To 25', Add	*24.71*	
		For Elevated Installation >25' To 30', Add	*34.59*	
		For Elevated Installation >30' To 35', Add	*39.53*	
		For Elevated Installation >35' To 40', Add	*49.42*	
		For Elevated Installation >40', Add	*54.36*	
		For Work In Restricted Working Space, Add	*29.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0767	EA	4" Intermediate Metal Conduit (IMC) 90 Degree Elbow	375.98	51.46
		For Elevated Installation >10' To 15', Add	*12.86*	
		For Elevated Installation >15' To 20', Add	*25.72*	
		For Elevated Installation >20' To 25', Add	*32.16*	
		For Elevated Installation >25' To 30', Add	*45.02*	
		For Elevated Installation >30' To 35', Add	*51.45*	
		For Elevated Installation >35' To 40', Add	*64.31*	
		For Elevated Installation >40', Add	*70.74*	
		For Work In Restricted Working Space, Add	*38.59*	

26 05 33 13-0768 Intermediate Metal Conduit (IMC) Bushing Sets With Locknut *(26 05 33 13-0745)*

26 05 33 13-0769	EA	1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	12.91	4.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-0770	EA	3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	15.33	0.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-0771	EA	1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	19.96	7.08
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-0772	EA	1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	24.44	8.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.43*	
26 05 33 13-0773	EA	1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	27.58	9.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0774	EA	2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	35.96	11.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.67*	
26 05 33 13-0775	EA	2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	68.61	18.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0776	EA	3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	82.95	25.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.02*	
26 05 33 13-0777	EA	3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	110.87	30.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.65*	
26 05 33 13-0778	EA	4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut	131.35	35.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.29*	

26 05 33 13-0779 Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings *(26 05 33 13-0745)*

Note: 3-Piece coupling.

26 05 33 13-0780	EA	1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	43.45	14.91
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.47*	
		For Elevated Installation >20' To 25', Add	*9.33*	
		For Elevated Installation >25' To 30', Add	*13.07*	
		For Elevated Installation >30' To 35', Add	*14.93*	
		For Elevated Installation >35' To 40', Add	*18.67*	
		For Elevated Installation >40', Add	*20.53*	
		For Work In Restricted Working Space, Add	*11.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.20*	
26 05 33 13-0781	EA	3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	49.55	16.69
		For Elevated Installation >10' To 15', Add	*4.17*	
		For Elevated Installation >15' To 20', Add	*8.33*	
		For Elevated Installation >20' To 25', Add	*10.42*	
		For Elevated Installation >25' To 30', Add	*14.58*	
		For Elevated Installation >30' To 35', Add	*16.67*	
		For Elevated Installation >35' To 40', Add	*20.84*	
		For Elevated Installation >40', Add	*22.92*	
		For Work In Restricted Working Space, Add	*12.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.50*	
26 05 33 13-0782	EA	1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	61.61	18.55
		For Elevated Installation >10' To 15', Add	*4.64*	
		For Elevated Installation >15' To 20', Add	*9.28*	
		For Elevated Installation >20' To 25', Add	*11.60*	
		For Elevated Installation >25' To 30', Add	*16.24*	
		For Elevated Installation >30' To 35', Add	*18.56*	
		For Elevated Installation >35' To 40', Add	*23.21*	
		For Elevated Installation >40', Add	*25.53*	
		For Work In Restricted Working Space, Add	*13.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.92*	
26 05 33 13-0783	EA	1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	78.75	20.32
		For Elevated Installation >10' To 15', Add	*5.08*	
		For Elevated Installation >15' To 20', Add	*10.16*	
		For Elevated Installation >20' To 25', Add	*12.70*	
		For Elevated Installation >25' To 30', Add	*17.78*	
		For Elevated Installation >30' To 35', Add	*20.32*	
		For Elevated Installation >35' To 40', Add	*25.40*	
		For Elevated Installation >40', Add	*27.93*	
		For Work In Restricted Working Space, Add	*15.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0784	EA	1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	90.67	22.19
		For Elevated Installation >10' To 15', Add	*5.56*	
		For Elevated Installation >15' To 20', Add	*11.11*	
		For Elevated Installation >20' To 25', Add	*13.89*	
		For Elevated Installation >25' To 30', Add	*19.45*	
		For Elevated Installation >30' To 35', Add	*22.23*	
		For Elevated Installation >35' To 40', Add	*27.79*	
		For Elevated Installation >40', Add	*30.56*	
		For Work In Restricted Working Space, Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.67*	
26 05 33 13-0785	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	130.36	24.05
		For Elevated Installation >10' To 15', Add	*6.02*	
		For Elevated Installation >15' To 20', Add	*12.03*	
		For Elevated Installation >20' To 25', Add	*15.04*	
		For Elevated Installation >25' To 30', Add	*21.06*	
		For Elevated Installation >30' To 35', Add	*24.07*	
		For Elevated Installation >35' To 40', Add	*30.09*	
		For Elevated Installation >40', Add	*33.09*	
		For Work In Restricted Working Space, Add	*18.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.05*	
26 05 33 13-0786	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	224.71	29.83
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Work In Restricted Working Space, Add	*22.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-0787	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	322.18	37.29
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
		For Work In Restricted Working Space, Add	*27.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.97*	
26 05 33 13-0788	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	479.75	44.75
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.38*	
		For Elevated Installation >20' To 25', Add	*27.98*	
		For Elevated Installation >25' To 30', Add	*39.17*	
		For Elevated Installation >30' To 35', Add	*44.76*	
		For Elevated Installation >35' To 40', Add	*55.96*	
		For Elevated Installation >40', Add	*61.55*	
		For Work In Restricted Working Space, Add	*33.57*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.57*	
26 05 33 13-0789	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting	556.59	48.48
		For Elevated Installation >10' To 15', Add	*12.12*	
		For Elevated Installation >15' To 20', Add	*24.24*	
		For Elevated Installation >20' To 25', Add	*30.30*	
		For Elevated Installation >25' To 30', Add	*42.41*	
		For Elevated Installation >30' To 35', Add	*48.47*	
		For Elevated Installation >35' To 40', Add	*60.59*	
		For Elevated Installation >40', Add	*66.65*	
		For Work In Restricted Working Space, Add	*36.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	

26 05 33 13-0790 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors *(26 05 33 13-0745)*

26 05 33 13-0791	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	25.31	7.46
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Work In Restricted Working Space, Add	*5.60*	
26 05 33 13-0792	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	28.39	8.20
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
		For Work In Restricted Working Space, Add	*6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0793	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	32.69	9.32
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Work In Restricted Working Space, Add	*6.99*	
26 05 33 13-0794	EA	1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	37.56	10.07
		For Elevated Installation >10' To 15', Add	*2.52*	
		For Elevated Installation >15' To 20', Add	*5.03*	
		For Elevated Installation >20' To 25', Add	*6.29*	
		For Elevated Installation >25' To 30', Add	*8.81*	
		For Elevated Installation >30' To 35', Add	*10.07*	
		For Elevated Installation >35' To 40', Add	*12.59*	
		For Elevated Installation >40', Add	*13.84*	
		For Work In Restricted Working Space, Add	*7.55*	
26 05 33 13-0795	EA	1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	45.23	11.18
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Work In Restricted Working Space, Add	*8.39*	
26 05 33 13-0796	EA	2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	56.28	12.31
		For Elevated Installation >10' To 15', Add	*3.08*	
		For Elevated Installation >15' To 20', Add	*6.15*	
		For Elevated Installation >20' To 25', Add	*7.69*	
		For Elevated Installation >25' To 30', Add	*10.77*	
		For Elevated Installation >30' To 35', Add	*12.30*	
		For Elevated Installation >35' To 40', Add	*15.38*	
		For Elevated Installation >40', Add	*16.92*	
		For Work In Restricted Working Space, Add	*9.23*	
26 05 33 13-0797	EA	2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	78.20	14.91
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
		For Work In Restricted Working Space, Add	*11.19*	
26 05 33 13-0798	EA	3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	96.53	18.65
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Work In Restricted Working Space, Add	*13.98*	
26 05 33 13-0799	EA	3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	115.99	22.38
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
		For Work In Restricted Working Space, Add	*16.78*	
26 05 33 13-0800	EA	4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	131.91	24.23
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Work In Restricted Working Space, Add	*18.18*	

26 05 33 13-0801 Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs *(26 05 33 13-0745)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0802	EA	1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	21.43	7.46
		For Elevated Installation >10' To 15', Add	*1.87*	
		For Elevated Installation >15' To 20', Add	*3.73*	
		For Elevated Installation >20' To 25', Add	*4.66*	
		For Elevated Installation >25' To 30', Add	*6.53*	
		For Elevated Installation >30' To 35', Add	*7.46*	
		For Elevated Installation >35' To 40', Add	*9.33*	
		For Elevated Installation >40', Add	*10.26*	
		For Work In Restricted Working Space, Add	*5.60*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.60*	
26 05 33 13-0803	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	27.47	9.32
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Work In Restricted Working Space, Add	*6.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-0804	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	34.12	11.18
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
		For Work In Restricted Working Space, Add	*8.39*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.39*	
26 05 33 13-0805	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	41.34	13.05
		For Elevated Installation >10' To 15', Add	*3.26*	
		For Elevated Installation >15' To 20', Add	*6.53*	
		For Elevated Installation >20' To 25', Add	*8.16*	
		For Elevated Installation >25' To 30', Add	*11.42*	
		For Elevated Installation >30' To 35', Add	*13.05*	
		For Elevated Installation >35' To 40', Add	*16.32*	
		For Elevated Installation >40', Add	*17.95*	
		For Work In Restricted Working Space, Add	*9.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	
26 05 33 13-0806	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	48.50	14.91
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.91*	
		For Elevated Installation >35' To 40', Add	*18.64*	
		For Elevated Installation >40', Add	*20.50*	
		For Work In Restricted Working Space, Add	*11.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.18*	
26 05 33 13-0807	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	58.17	16.78
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.59*	
26 05 33 13-0808	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	73.79	18.65
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Work In Restricted Working Space, Add	*13.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0809	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	87.86	20.51
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.63*	
		For Elevated Installation >40', Add	*28.19*	
		For Work In Restricted Working Space, Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0810	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	108.03	24.23
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Work In Restricted Working Space, Add	*18.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	
26 05 33 13-0811	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	125.12	26.10
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.31*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
		For Work In Restricted Working Space, Add	*19.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	

26 05 33 13-0812 Intermediate Metal Conduit (IMC) Expansion Fittings *(26 05 33 13-0745)*

26 05 33 13-0813	EA	1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	157.40	14.91
		For Elevated Installation >10' To 15', Add	*3.73*	
		For Elevated Installation >15' To 20', Add	*7.46*	
		For Elevated Installation >20' To 25', Add	*9.32*	
		For Elevated Installation >25' To 30', Add	*13.05*	
		For Elevated Installation >30' To 35', Add	*14.92*	
		For Elevated Installation >35' To 40', Add	*18.65*	
		For Elevated Installation >40', Add	*20.51*	
		For Work In Restricted Working Space, Add	*11.19*	
26 05 33 13-0814	EA	3/4" Intermediate Metal Conduit (IMC) Expansion Fitting	174.07	16.78
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
		For Work In Restricted Working Space, Add	*12.59*	
26 05 33 13-0815	EA	1" Intermediate Metal Conduit (IMC) Expansion Fitting	193.45	18.65
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Work In Restricted Working Space, Add	*13.98*	
26 05 33 13-0816	EA	1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting	234.44	20.51
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Work In Restricted Working Space, Add	*15.38*	
26 05 33 13-0817	EA	1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	288.27	22.38
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
		For Work In Restricted Working Space, Add	*16.78*	
26 05 33 13-0818	EA	2" Intermediate Metal Conduit (IMC) Expansion Fitting	380.98	24.23
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.20*	
		For Elevated Installation >30' To 35', Add	*24.23*	
		For Elevated Installation >35' To 40', Add	*30.29*	
		For Elevated Installation >40', Add	*33.32*	
		For Work In Restricted Working Space, Add	*18.17*	
26 05 33 13-0819	EA	2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	577.84	29.83
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Work In Restricted Working Space, Add	*22.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0820	EA	3" Intermediate Metal Conduit (IMC) Expansion Fitting	694.16	37.29
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
		For Work In Restricted Working Space, Add	*27.97*	
26 05 33 13-0821	EA	3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting	970.39	44.75
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.38*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.16*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	
		For Work In Restricted Working Space, Add	*33.56*	
26 05 33 13-0822	EA	4" Intermediate Metal Conduit (IMC) Expansion Fitting	1,123.52	48.48
		For Elevated Installation >10' To 15', Add	*12.12*	
		For Elevated Installation >15' To 20', Add	*24.24*	
		For Elevated Installation >20' To 25', Add	*30.30*	
		For Elevated Installation >25' To 30', Add	*42.41*	
		For Elevated Installation >30' To 35', Add	*48.47*	
		For Elevated Installation >35' To 40', Add	*60.59*	
		For Elevated Installation >40', Add	*66.65*	
		For Work In Restricted Working Space, Add	*36.35*	
26 05 33 13-0823		Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal *(26 05 33 13-0745)*		
26 05 33 13-0824	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	92.83	23.30
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Work In Restricted Working Space, Add	*13.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-0825	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	110.21	27.96
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
		For Work In Restricted Working Space, Add	*16.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.78*	
26 05 33 13-0826	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	135.02	32.63
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
		For Work In Restricted Working Space, Add	*19.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	
26 05 33 13-0827	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	159.29	37.29
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Work In Restricted Working Space, Add	*22.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-0828	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	211.45	41.95
		For Elevated Installation >10' To 15', Add	*8.39*	
		For Elevated Installation >15' To 20', Add	*16.78*	
		For Elevated Installation >20' To 25', Add	*20.98*	
		For Elevated Installation >25' To 30', Add	*29.37*	
		For Elevated Installation >30' To 35', Add	*33.56*	
		For Elevated Installation >35' To 40', Add	*41.95*	
		For Elevated Installation >40', Add	*46.15*	
		For Work In Restricted Working Space, Add	*25.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0829	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	258.47	46.61
		For Elevated Installation >10' To 15', Add	*9.32*	
		For Elevated Installation >15' To 20', Add	*18.64*	
		For Elevated Installation >20' To 25', Add	*23.31*	
		For Elevated Installation >25' To 30', Add	*32.63*	
		For Elevated Installation >30' To 35', Add	*37.29*	
		For Elevated Installation >35' To 40', Add	*46.61*	
		For Elevated Installation >40', Add	*51.27*	
		For Work In Restricted Working Space, Add	*27.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.97*	
26 05 33 13-0830	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	368.62	55.93
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.37*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.15*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	
		For Work In Restricted Working Space, Add	*33.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.56*	
26 05 33 13-0831	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	444.13	65.26
		For Elevated Installation >10' To 15', Add	*13.05*	
		For Elevated Installation >15' To 20', Add	*26.10*	
		For Elevated Installation >20' To 25', Add	*32.63*	
		For Elevated Installation >25' To 30', Add	*45.68*	
		For Elevated Installation >30' To 35', Add	*52.20*	
		For Elevated Installation >35' To 40', Add	*65.25*	
		For Elevated Installation >40', Add	*71.78*	
		For Work In Restricted Working Space, Add	*39.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.15*	
26 05 33 13-0832	EA	3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,053.69	74.57
		For Elevated Installation >10' To 15', Add	*14.92*	
		For Elevated Installation >15' To 20', Add	*29.83*	
		For Elevated Installation >20' To 25', Add	*37.29*	
		For Elevated Installation >25' To 30', Add	*52.20*	
		For Elevated Installation >30' To 35', Add	*59.66*	
		For Elevated Installation >35' To 40', Add	*74.58*	
		For Elevated Installation >40', Add	*82.03*	
		For Work In Restricted Working Space, Add	*44.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.75*	
26 05 33 13-0833	EA	4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	1,214.67	83.90
		For Elevated Installation >10' To 15', Add	*16.78*	
		For Elevated Installation >15' To 20', Add	*33.56*	
		For Elevated Installation >20' To 25', Add	*41.95*	
		For Elevated Installation >25' To 30', Add	*58.73*	
		For Elevated Installation >30' To 35', Add	*67.12*	
		For Elevated Installation >35' To 40', Add	*83.90*	
		For Elevated Installation >40', Add	*92.29*	
		For Work In Restricted Working Space, Add	*50.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	

26 05 33 13-0834 Intermediate Metal Conduit (IMC) Threaded Couplings *(26 05 33 13-0745)*

26 05 33 13-0835	EA	1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	12.76	4.47
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
		For Work In Restricted Working Space, Add	*3.35*	
26 05 33 13-0836	EA	3/4" Intermediate Metal Conduit (IMC) Threaded Coupling	17.77	6.34
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.97*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
		For Work In Restricted Working Space, Add	*4.76*	
26 05 33 13-0837	EA	1" Intermediate Metal Conduit (IMC) Threaded Coupling	23.34	8.20
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.12*	
		For Elevated Installation >25' To 30', Add	*7.17*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.25*	
		For Elevated Installation >40', Add	*11.27*	
		For Work In Restricted Working Space, Add	*6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0838	EA	1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling	26.88	9.32
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.66*	
		For Elevated Installation >40', Add	*12.82*	
		For Work In Restricted Working Space, Add	*6.99*	
26 05 33 13-0839	EA	1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	32.45	11.18
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.78*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.37*	
		For Work In Restricted Working Space, Add	*8.39*	
26 05 33 13-0840	EA	2" Intermediate Metal Conduit (IMC) Threaded Coupling	37.64	12.68
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.86*	
		For Elevated Installation >40', Add	*17.44*	
		For Work In Restricted Working Space, Add	*9.51*	
26 05 33 13-0841	EA	2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	48.56	14.17
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.08*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.71*	
		For Elevated Installation >40', Add	*19.48*	
		For Work In Restricted Working Space, Add	*10.63*	
26 05 33 13-0842	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling	58.03	16.04
		For Elevated Installation >10' To 15', Add	*4.01*	
		For Elevated Installation >15' To 20', Add	*8.02*	
		For Elevated Installation >20' To 25', Add	*10.02*	
		For Elevated Installation >25' To 30', Add	*14.03*	
		For Elevated Installation >30' To 35', Add	*16.04*	
		For Elevated Installation >35' To 40', Add	*20.05*	
		For Elevated Installation >40', Add	*22.05*	
		For Work In Restricted Working Space, Add	*12.03*	
26 05 33 13-0843	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling	67.80	17.52
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.96*	
		For Elevated Installation >25' To 30', Add	*15.34*	
		For Elevated Installation >30' To 35', Add	*17.53*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
		For Work In Restricted Working Space, Add	*13.15*	
26 05 33 13-0844	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling	70.76	18.65
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.30*	
		For Elevated Installation >40', Add	*25.62*	
		For Work In Restricted Working Space, Add	*13.98*	

26 05 33 13-0845 Intermediate Metal Conduit (IMC) Reducer Bushings *(26 05 33 13-0745)*

26 05 33 13-0846	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing	6.42	1.87
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
		For Work In Restricted Working Space, Add	*1.40*	
26 05 33 13-0847	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing	7.44	1.87
		For Elevated Installation >10' To 15', Add	*0.47*	
		For Elevated Installation >15' To 20', Add	*0.93*	
		For Elevated Installation >20' To 25', Add	*1.17*	
		For Elevated Installation >25' To 30', Add	*1.63*	
		For Elevated Installation >30' To 35', Add	*1.86*	
		For Elevated Installation >35' To 40', Add	*2.33*	
		For Elevated Installation >40', Add	*2.56*	
		For Work In Restricted Working Space, Add	*1.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0848		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0059)* Note: 40 mil polyvinyl chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney). Used in hazardous locations. Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0849		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit *(26 05 33 13-0848)* Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".		
26 05 33 13-0850	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	12.48	2.61
		For >250 To 500, Deduct	*-0.46*	
		For >1,000, Deduct	*-1.08*	
		For Work In Restricted Working Space, Add	*1.96*	
		For >500 To 1,000, Deduct	*-0.77*	
		For Elevated Installation >10' To 15', Add	*0.65*	
		For Elevated Installation >15' To 20', Add	*1.31*	
		For Elevated Installation >20' To 25', Add	*1.63*	
		For Elevated Installation >25' To 30', Add	*2.29*	
		For Elevated Installation >30' To 35', Add	*2.61*	
		For Elevated Installation >35' To 40', Add	*3.27*	
		For Elevated Installation >40', Add	*3.59*	
26 05 33 13-0851	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	14.35	2.98
		For >250 To 500, Deduct	*-0.53*	
		For >1,000, Deduct	*-1.25*	
		For Work In Restricted Working Space, Add	*2.24*	
		For >500 To 1,000, Deduct	*-0.89*	
		For Elevated Installation >10' To 15', Add	*0.75*	
		For Elevated Installation >15' To 20', Add	*1.49*	
		For Elevated Installation >20' To 25', Add	*1.87*	
		For Elevated Installation >25' To 30', Add	*2.61*	
		For Elevated Installation >30' To 35', Add	*2.98*	
		For Elevated Installation >35' To 40', Add	*3.73*	
		For Elevated Installation >40', Add	*4.10*	
26 05 33 13-0852	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	18.24	3.73
		For >250 To 500, Deduct	*-0.68*	
		For >1,000, Deduct	*-1.59*	
		For Work In Restricted Working Space, Add	*2.80*	
		For >500 To 1,000, Deduct	*-1.14*	
		For Elevated Installation >10' To 15', Add	*0.93*	
		For Elevated Installation >15' To 20', Add	*1.86*	
		For Elevated Installation >20' To 25', Add	*2.33*	
		For Elevated Installation >25' To 30', Add	*3.26*	
		For Elevated Installation >30' To 35', Add	*3.73*	
		For Elevated Installation >35' To 40', Add	*4.66*	
		For Elevated Installation >40', Add	*5.13*	
26 05 33 13-0853	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	22.49	4.47
		For >250 To 500, Deduct	*-0.85*	
		For >1,000, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*3.35*	
		For >500 To 1,000, Deduct	*-1.41*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	
26 05 33 13-0854	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	27.73	5.60
		For >250 To 500, Deduct	*-1.04*	
		For >1,000, Deduct	*-2.42*	
		For Work In Restricted Working Space, Add	*4.19*	
		For >500 To 1,000, Deduct	*-1.73*	
		For Elevated Installation >10' To 15', Add	*1.40*	
		For Elevated Installation >15' To 20', Add	*2.80*	
		For Elevated Installation >20' To 25', Add	*3.50*	
		For Elevated Installation >25' To 30', Add	*4.89*	
		For Elevated Installation >30' To 35', Add	*5.59*	
		For Elevated Installation >35' To 40', Add	*6.99*	
		For Elevated Installation >40', Add	*7.69*	
26 05 33 13-0855	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	34.70	6.71
		For >250 To 500, Deduct	*-1.32*	
		For >1,000, Deduct	*-3.05*	
		For Work In Restricted Working Space, Add	*5.03*	
		For >500 To 1,000, Deduct	*-2.18*	
		For Elevated Installation >10' To 15', Add	*1.68*	
		For Elevated Installation >15' To 20', Add	*3.36*	
		For Elevated Installation >20' To 25', Add	*4.20*	
		For Elevated Installation >25' To 30', Add	*5.87*	
		For Elevated Installation >30' To 35', Add	*6.71*	
		For Elevated Installation >35' To 40', Add	*8.39*	
		For Elevated Installation >40', Add	*9.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	46.76	7.83
		For >250 To 500, Deduct	*-1.85*	
		For >1,000, Deduct	*-4.19*	
		For Work In Restricted Working Space, Add	*5.87*	
		For >500 To 1,000, Deduct	*-3.02*	
		For Elevated Installation >10' To 15', Add	*1.96*	
		For Elevated Installation >15' To 20', Add	*3.92*	
		For Elevated Installation >20' To 25', Add	*4.90*	
		For Elevated Installation >25' To 30', Add	*6.85*	
		For Elevated Installation >30' To 35', Add	*7.83*	
		For Elevated Installation >35' To 40', Add	*9.79*	
		For Elevated Installation >40', Add	*10.77*	
26 05 33 13-0857	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	58.50	9.70
		For >250 To 500, Deduct	*-2.32*	
		For >1,000, Deduct	*-5.24*	
		For Work In Restricted Working Space, Add	*7.27*	
		For >500 To 1,000, Deduct	*-3.78*	
		For Elevated Installation >10' To 15', Add	*2.42*	
		For Elevated Installation >15' To 20', Add	*4.85*	
		For Elevated Installation >20' To 25', Add	*6.06*	
		For Elevated Installation >25' To 30', Add	*8.48*	
		For Elevated Installation >30' To 35', Add	*9.69*	
		For Elevated Installation >35' To 40', Add	*12.12*	
		For Elevated Installation >40', Add	*13.33*	
26 05 33 13-0858	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	71.75	11.94
		For >250 To 500, Deduct	*-2.84*	
		For >1,000, Deduct	*-6.43*	
		For Work In Restricted Working Space, Add	*8.95*	
		For >500 To 1,000, Deduct	*-4.64*	
		For Elevated Installation >10' To 15', Add	*2.98*	
		For Elevated Installation >15' To 20', Add	*5.97*	
		For Elevated Installation >20' To 25', Add	*7.46*	
		For Elevated Installation >25' To 30', Add	*10.44*	
		For Elevated Installation >30' To 35', Add	*11.93*	
		For Elevated Installation >35' To 40', Add	*14.92*	
		For Elevated Installation >40', Add	*16.41*	
26 05 33 13-0859	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	84.85	14.17
		For >250 To 500, Deduct	*-3.36*	
		For >1,000, Deduct	*-7.60*	
		For Work In Restricted Working Space, Add	*10.63*	
		For >500 To 1,000, Deduct	*-5.48*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	
26 05 33 13-0860	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	129.53	16.78
		For >250 To 500, Deduct	*-5.43*	
		For >1,000, Deduct	*-11.90*	
		For Work In Restricted Working Space, Add	*12.59*	
		For >500 To 1,000, Deduct	*-8.67*	
		For Elevated Installation >10' To 15', Add	*4.20*	
		For Elevated Installation >15' To 20', Add	*8.39*	
		For Elevated Installation >20' To 25', Add	*10.49*	
		For Elevated Installation >25' To 30', Add	*14.68*	
		For Elevated Installation >30' To 35', Add	*16.78*	
		For Elevated Installation >35' To 40', Add	*20.98*	
		For Elevated Installation >40', Add	*23.07*	
26 05 33 13-0861	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit	175.94	22.38
		For >250 To 500, Deduct	*-7.40*	
		For >1,000, Deduct	*-16.20*	
		For Work In Restricted Working Space, Add	*16.78*	
		For >500 To 1,000, Deduct	*-11.80*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	

26 05 33 13-0862 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings *(26 05 33 13-0848)*

26 05 33 13-0863	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	17.46	5.60
		For Work In Restricted Working Space, Add	*3.35*	
		For Elevated Installation >10' To 15', Add	*1.12*	
		For Elevated Installation >15' To 20', Add	*2.24*	
		For Elevated Installation >20' To 25', Add	*2.80*	
		For Elevated Installation >25' To 30', Add	*3.91*	
		For Elevated Installation >30' To 35', Add	*4.47*	
		For Elevated Installation >35' To 40', Add	*5.59*	
		For Elevated Installation >40', Add	*6.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0864	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	22.43	7.92
		For Work In Restricted Working Space, Add	*4.76*	
		For Elevated Installation >10' To 15', Add	*1.59*	
		For Elevated Installation >15' To 20', Add	*3.17*	
		For Elevated Installation >20' To 25', Add	*3.96*	
		For Elevated Installation >25' To 30', Add	*5.55*	
		For Elevated Installation >30' To 35', Add	*6.34*	
		For Elevated Installation >35' To 40', Add	*7.93*	
		For Elevated Installation >40', Add	*8.72*	
26 05 33 13-0865	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	29.05	10.25
		For Work In Restricted Working Space, Add	*6.15*	
		For Elevated Installation >10' To 15', Add	*2.05*	
		For Elevated Installation >15' To 20', Add	*4.10*	
		For Elevated Installation >20' To 25', Add	*5.13*	
		For Elevated Installation >25' To 30', Add	*7.18*	
		For Elevated Installation >30' To 35', Add	*8.20*	
		For Elevated Installation >35' To 40', Add	*10.26*	
		For Elevated Installation >40', Add	*11.28*	
26 05 33 13-0866	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	33.27	11.66
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
26 05 33 13-0867	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	39.81	13.98
		For Work In Restricted Working Space, Add	*8.39*	
		For Elevated Installation >10' To 15', Add	*2.80*	
		For Elevated Installation >15' To 20', Add	*5.59*	
		For Elevated Installation >20' To 25', Add	*6.99*	
		For Elevated Installation >25' To 30', Add	*9.79*	
		For Elevated Installation >30' To 35', Add	*11.18*	
		For Elevated Installation >35' To 40', Add	*13.98*	
		For Elevated Installation >40', Add	*15.38*	
26 05 33 13-0868	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	49.04	15.85
		For Work In Restricted Working Space, Add	*9.51*	
		For Elevated Installation >10' To 15', Add	*3.17*	
		For Elevated Installation >15' To 20', Add	*6.34*	
		For Elevated Installation >20' To 25', Add	*7.93*	
		For Elevated Installation >25' To 30', Add	*11.10*	
		For Elevated Installation >30' To 35', Add	*12.68*	
		For Elevated Installation >35' To 40', Add	*15.85*	
		For Elevated Installation >40', Add	*17.44*	
26 05 33 13-0869	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	78.34	15.85
		For Work In Restricted Working Space, Add	*10.63*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	
26 05 33 13-0870	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	92.19	21.91
		For Work In Restricted Working Space, Add	*12.02*	
		For Elevated Installation >10' To 15', Add	*4.01*	
		For Elevated Installation >15' To 20', Add	*8.02*	
		For Elevated Installation >20' To 25', Add	*10.02*	
		For Elevated Installation >25' To 30', Add	*14.03*	
		For Elevated Installation >30' To 35', Add	*16.03*	
		For Elevated Installation >35' To 40', Add	*20.04*	
		For Elevated Installation >40', Add	*22.04*	
26 05 33 13-0871	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	110.67	21.91
		For Work In Restricted Working Space, Add	*13.14*	
		For Elevated Installation >10' To 15', Add	*4.38*	
		For Elevated Installation >15' To 20', Add	*8.76*	
		For Elevated Installation >20' To 25', Add	*10.95*	
		For Elevated Installation >25' To 30', Add	*15.33*	
		For Elevated Installation >30' To 35', Add	*17.52*	
		For Elevated Installation >35' To 40', Add	*21.91*	
		For Elevated Installation >40', Add	*24.10*	
26 05 33 13-0872	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	124.78	23.30
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0873	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	310.65	27.96
		For Work In Restricted Working Space, Add	*16.78*	
		For Elevated Installation >10' To 15', Add	*5.59*	
		For Elevated Installation >15' To 20', Add	*11.19*	
		For Elevated Installation >20' To 25', Add	*13.98*	
		For Elevated Installation >25' To 30', Add	*19.58*	
		For Elevated Installation >30' To 35', Add	*22.37*	
		For Elevated Installation >35' To 40', Add	*27.97*	
		For Elevated Installation >40', Add	*30.76*	
26 05 33 13-0874	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling	349.80	32.63
		For Work In Restricted Working Space, Add	*19.58*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	

26 05 33 13-0875 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows *(26 05 33 13-0848)*

Note: 90, 45, or 30-degree.

26 05 33 13-0876	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	52.31	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
26 05 33 13-0877	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	60.41	18.79
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.02*	
		For Elevated Installation >35' To 40', Add	*18.78*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-0878	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	72.26	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0879	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	85.53	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0880	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	100.17	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0881	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	121.89	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0882	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	187.69	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0883	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	280.22	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0884	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	346.68	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0885	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	397.90	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-0886	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	828.56	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-0887	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow	1,303.14	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-0888 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0889	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	124.14	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0890	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	139.70	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0891	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	159.48	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0892	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	190.32	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0893	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow	265.15	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	

26 05 33 13-0894 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0895	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	138.18	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0896	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	162.89	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0897	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	176.10	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0898	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	226.58	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0899	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	300.11	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0900	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow	383.88	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	

26 05 33 13-0901 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0902	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	154.95	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0903	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	174.96	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0904	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	197.43	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0905	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	238.60	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0906	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	340.27	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0907	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	431.04	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0908	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	544.17	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0909	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow	613.07	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

26 05 33 13-0910 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0911	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	183.93	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0912	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	203.31	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0913	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	229.62	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0914	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	284.94	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0915	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	412.16	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0916	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	510.94	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0917	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	592.96	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0918	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow	702.63	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

26 05 33 13-0919 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0920	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	206.48	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0921	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	229.69	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0922	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	261.29	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0923	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	325.29	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0924	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	451.39	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0925	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	574.85	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0926	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	711.57	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0927	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	784.84	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-0928	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow	1,308.51	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	

26 05 33 13-0929 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0930	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	235.97	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0931	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	261.57	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0932	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	296.02	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0933	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	370.03	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0934	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	516.75	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0935	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	656.27	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0936	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	771.01	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0937	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	890.97	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-0938	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,382.89	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-0939	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow	1,890.88	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-0940 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0941	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	277.03	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-0942	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	289.99	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0943	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	342.49	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0944	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	432.31	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0945	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	604.88	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0946	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	766.04	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0947	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	936.25	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0948	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,097.44	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-0949	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,625.51	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-0950	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	2,002.25	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-0951 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows *(26 05 33 13-0848)*

26 05 33 13-0952	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	286.92	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0953	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	338.06	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-0954	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	382.68	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-0955	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	451.04	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-0956	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	626.90	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-0957	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	799.80	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-0958	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,026.24	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-0959	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,144.27	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-0960	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	1,690.69	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-0961	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow	2,058.84	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-0962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0963	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	104.33	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-0964	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	127.29	20.00
		For Work In Restricted Working Space, Add	*12.00*	
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*8.00*	
		For Elevated Installation >20' To 25', Add	*10.00*	
		For Elevated Installation >25' To 30', Add	*14.00*	
		For Elevated Installation >30' To 35', Add	*16.00*	
		For Elevated Installation >35' To 40', Add	*20.00*	
		For Elevated Installation >40', Add	*21.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-0965	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	170.72	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0966	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	283.51	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.00*	
26 05 33 13-0967	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	312.79	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	
26 05 33 13-0968	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	396.62	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-0969	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,094.38	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-0970	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,304.22	56.96
		For Work In Restricted Working Space, Add	*34.18*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.57*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0971	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Sealtight Fitting	1,730.68	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.44*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.61*	
		For Elevated Installation >40', Add	*91.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.17*	

26 05 33 13-0972 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0973	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	99.83	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-0974	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	122.20	20.00
		For Work In Restricted Working Space, Add	*12.00*	
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*8.00*	
		For Elevated Installation >20' To 25', Add	*10.00*	
		For Elevated Installation >25' To 30', Add	*14.00*	
		For Elevated Installation >30' To 35', Add	*16.00*	
		For Elevated Installation >35' To 40', Add	*20.00*	
		For Elevated Installation >40', Add	*21.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-0975	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	170.72	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0976	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	280.89	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.00*	
26 05 33 13-0977	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	302.24	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	
26 05 33 13-0978	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	396.75	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-0979	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,049.36	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0980	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,271.38	56.96
		For Work In Restricted Working Space, Add	*34.18*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.57*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.18*	
26 05 33 13-0981	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Sealtight Fitting	1,730.60	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.44*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.61*	
		For Elevated Installation >40', Add	*91.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.17*	

26 05 33 13-0982 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0983	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	89.86	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-0984	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	107.08	20.00
		For Work In Restricted Working Space, Add	*12.00*	
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*8.00*	
		For Elevated Installation >20' To 25', Add	*10.00*	
		For Elevated Installation >25' To 30', Add	*14.00*	
		For Elevated Installation >30' To 35', Add	*16.00*	
		For Elevated Installation >35' To 40', Add	*20.00*	
		For Elevated Installation >40', Add	*21.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-0985	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	126.51	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0986	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	181.42	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.00*	
26 05 33 13-0987	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	212.15	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	
26 05 33 13-0988	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	331.64	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0989	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	923.99	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-0990	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,037.19	56.96
		For Work In Restricted Working Space, Add	*34.18*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.57*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.18*	
26 05 33 13-0991	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Sealtight Fitting	1,321.42	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.44*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.61*	
		For Elevated Installation >40', Add	*91.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.17*	

26 05 33 13-0992 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-0993	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	156.52	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-0994	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	236.70	20.00
		For Work In Restricted Working Space, Add	*12.00*	
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*8.00*	
		For Elevated Installation >20' To 25', Add	*10.00*	
		For Elevated Installation >25' To 30', Add	*14.00*	
		For Elevated Installation >30' To 35', Add	*16.00*	
		For Elevated Installation >35' To 40', Add	*20.00*	
		For Elevated Installation >40', Add	*21.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-0995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	298.18	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-0996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	344.16	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	390.86	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	
26 05 33 13-0998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	516.25	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-0999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,642.42	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	1,915.42	56.96
		For Work In Restricted Working Space, Add	*34.18*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.57*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.18*	
26 05 33 13-1001	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 45 Degree Grounded Sealtight Fitting	2,351.19	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.44*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.61*	
		For Elevated Installation >40', Add	*91.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.17*	

26 05 33 13-1002 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fittings *(26 05 33 13-0848)*

26 05 33 13-1003	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	174.21	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1004	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	253.40	20.00
		For Work In Restricted Working Space, Add	*12.00*	
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*8.00*	
		For Elevated Installation >20' To 25', Add	*10.00*	
		For Elevated Installation >25' To 30', Add	*14.00*	
		For Elevated Installation >30' To 35', Add	*16.00*	
		For Elevated Installation >35' To 40', Add	*20.00*	
		For Elevated Installation >40', Add	*21.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1005	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	301.36	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-1006	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	349.40	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.00*	
26 05 33 13-1007	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	405.23	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	
26 05 33 13-1008	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	642.49	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1009	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	1,832.90	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1010	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,580.44	56.96
		For Work In Restricted Working Space, Add	*34.18*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.57*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.18*	
26 05 33 13-1011	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 90 Degree Grounded Sealtight Fitting	2,687.84	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.44*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.61*	
		For Elevated Installation >40', Add	*91.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.17*	

26 05 33 13-1012 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fittings *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1013	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	137.02	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1014	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	172.64	20.00
		For Work In Restricted Working Space, Add	*12.00*	
		For Elevated Installation >10' To 15', Add	*4.00*	
		For Elevated Installation >15' To 20', Add	*8.00*	
		For Elevated Installation >20' To 25', Add	*10.00*	
		For Elevated Installation >25' To 30', Add	*14.00*	
		For Elevated Installation >30' To 35', Add	*16.00*	
		For Elevated Installation >35' To 40', Add	*20.00*	
		For Elevated Installation >40', Add	*21.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.00*	
26 05 33 13-1015	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	207.09	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.82*	
26 05 33 13-1016	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	229.16	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.00*	
26 05 33 13-1017	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	310.15	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	
26 05 33 13-1018	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	441.00	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1019	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,484.65	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1020	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,668.73	56.96
		For Work In Restricted Working Space, Add	*34.18*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.57*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.18*	
26 05 33 13-1021	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Straight Grounded Sealtight Fitting	1,978.71	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.44*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.61*	
		For Elevated Installation >40', Add	*91.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.17*	

26 05 33 13-1022 Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1023	EA	1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	119.83	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.64*	
		For Elevated Installation >20' To 25', Add	*14.55*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*32.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-1024	EA	3/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	135.01	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1025	EA	1" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	167.82	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.91*	
26 05 33 13-1026	EA	1-1/4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	221.25	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.54*	
26 05 33 13-1027	EA	1-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	259.09	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1028	EA	2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	355.38	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.90*	
26 05 33 13-1029	EA	2-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	602.28	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.81*	
		For Elevated Installation >40', Add	*89.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.08*	
26 05 33 13-1030	EA	3" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	769.97	109.07
		For Work In Restricted Working Space, Add	*65.45*	
		For Elevated Installation >10' To 15', Add	*21.82*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.08*	
		For Elevated Installation >40', Add	*119.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.45*	
26 05 33 13-1031	EA	3-1/2" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,074.41	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.80*	
26 05 33 13-1032	EA	4" Type C, LB, LR, LL, Two Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,230.75	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.82*	
		For Elevated Installation >35' To 40', Add	*166.03*	
		For Elevated Installation >40', Add	*182.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.62*	

26 05 33 13-1033 Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1034	EA	1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	156.49	38.18
		For Work In Restricted Working Space, Add	*22.90*	
		For Elevated Installation >10' To 15', Add	*7.63*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.17*	
		For Elevated Installation >40', Add	*41.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.90*	
26 05 33 13-1035	EA	3/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	178.69	42.42
		For Work In Restricted Working Space, Add	*25.45*	
		For Elevated Installation >10' To 15', Add	*8.48*	
		For Elevated Installation >15' To 20', Add	*16.97*	
		For Elevated Installation >20' To 25', Add	*21.21*	
		For Elevated Installation >25' To 30', Add	*29.69*	
		For Elevated Installation >30' To 35', Add	*33.93*	
		For Elevated Installation >35' To 40', Add	*42.42*	
		For Elevated Installation >40', Add	*46.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1036	EA	1" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	219.73	46.66
		For Work In Restricted Working Space, Add	*27.99*	
		For Elevated Installation >10' To 15', Add	*9.33*	
		For Elevated Installation >15' To 20', Add	*18.66*	
		For Elevated Installation >20' To 25', Add	*23.33*	
		For Elevated Installation >25' To 30', Add	*32.66*	
		For Elevated Installation >30' To 35', Add	*37.32*	
		For Elevated Installation >35' To 40', Add	*46.66*	
		For Elevated Installation >40', Add	*51.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.99*	
26 05 33 13-1037	EA	1-1/4" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	298.19	53.32
		For Work In Restricted Working Space, Add	*31.99*	
		For Elevated Installation >10' To 15', Add	*10.66*	
		For Elevated Installation >15' To 20', Add	*21.33*	
		For Elevated Installation >20' To 25', Add	*26.66*	
		For Elevated Installation >25' To 30', Add	*37.32*	
		For Elevated Installation >30' To 35', Add	*42.66*	
		For Elevated Installation >35' To 40', Add	*53.32*	
		For Elevated Installation >40', Add	*58.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.99*	
26 05 33 13-1038	EA	1-1/2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	353.77	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.90*	
26 05 33 13-1039	EA	2" Type X, Four Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	484.05	71.50
		For Work In Restricted Working Space, Add	*42.90*	
		For Elevated Installation >10' To 15', Add	*14.30*	
		For Elevated Installation >15' To 20', Add	*28.60*	
		For Elevated Installation >20' To 25', Add	*35.75*	
		For Elevated Installation >25' To 30', Add	*50.05*	
		For Elevated Installation >30' To 35', Add	*57.20*	
		For Elevated Installation >35' To 40', Add	*71.50*	
		For Elevated Installation >40', Add	*78.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.90*	

26 05 33 13-1040 Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover *(26 05 33 13-0848)*

Note: Suitable for use in hazardous locations. Class I, Div 2.

26 05 33 13-1041	EA	1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	137.80	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1042	EA	3/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	157.03	38.78
		For Work In Restricted Working Space, Add	*23.27*	
		For Elevated Installation >10' To 15', Add	*7.76*	
		For Elevated Installation >15' To 20', Add	*15.51*	
		For Elevated Installation >20' To 25', Add	*19.39*	
		For Elevated Installation >25' To 30', Add	*27.15*	
		For Elevated Installation >30' To 35', Add	*31.02*	
		For Elevated Installation >35' To 40', Add	*38.78*	
		For Elevated Installation >40', Add	*42.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.27*	
26 05 33 13-1043	EA	1" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	191.29	42.42
		For Work In Restricted Working Space, Add	*25.45*	
		For Elevated Installation >10' To 15', Add	*8.48*	
		For Elevated Installation >15' To 20', Add	*16.97*	
		For Elevated Installation >20' To 25', Add	*21.21*	
		For Elevated Installation >25' To 30', Add	*29.69*	
		For Elevated Installation >30' To 35', Add	*33.93*	
		For Elevated Installation >35' To 40', Add	*42.42*	
		For Elevated Installation >40', Add	*46.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.45*	
26 05 33 13-1044	EA	1-1/4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	246.83	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1045	EA	1-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	293.83	53.32
		For Work In Restricted Working Space, Add	*32.00*	
		For Elevated Installation >10' To 15', Add	*10.67*	
		For Elevated Installation >15' To 20', Add	*21.33*	
		For Elevated Installation >20' To 25', Add	*26.66*	
		For Elevated Installation >25' To 30', Add	*37.33*	
		For Elevated Installation >30' To 35', Add	*42.66*	
		For Elevated Installation >35' To 40', Add	*53.33*	
		For Elevated Installation >40', Add	*58.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*32.00*	
26 05 33 13-1046	EA	2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	396.62	62.41
		For Work In Restricted Working Space, Add	*37.45*	
		For Elevated Installation >10' To 15', Add	*12.48*	
		For Elevated Installation >15' To 20', Add	*24.96*	
		For Elevated Installation >20' To 25', Add	*31.21*	
		For Elevated Installation >25' To 30', Add	*43.69*	
		For Elevated Installation >30' To 35', Add	*49.93*	
		For Elevated Installation >35' To 40', Add	*62.41*	
		For Elevated Installation >40', Add	*68.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.45*	
26 05 33 13-1047	EA	2-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	640.92	90.89
		For Work In Restricted Working Space, Add	*54.54*	
		For Elevated Installation >10' To 15', Add	*18.18*	
		For Elevated Installation >15' To 20', Add	*36.36*	
		For Elevated Installation >20' To 25', Add	*45.45*	
		For Elevated Installation >25' To 30', Add	*63.63*	
		For Elevated Installation >30' To 35', Add	*72.72*	
		For Elevated Installation >35' To 40', Add	*90.90*	
		For Elevated Installation >40', Add	*99.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.54*	
26 05 33 13-1048	EA	3" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	848.99	118.16
		For Work In Restricted Working Space, Add	*70.89*	
		For Elevated Installation >10' To 15', Add	*23.63*	
		For Elevated Installation >15' To 20', Add	*47.26*	
		For Elevated Installation >20' To 25', Add	*59.08*	
		For Elevated Installation >25' To 30', Add	*82.71*	
		For Elevated Installation >30' To 35', Add	*94.52*	
		For Elevated Installation >35' To 40', Add	*118.16*	
		For Elevated Installation >40', Add	*129.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.89*	
26 05 33 13-1049	EA	3-1/2" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,171.47	145.43
		For Work In Restricted Working Space, Add	*87.26*	
		For Elevated Installation >10' To 15', Add	*29.09*	
		For Elevated Installation >15' To 20', Add	*58.17*	
		For Elevated Installation >20' To 25', Add	*72.71*	
		For Elevated Installation >25' To 30', Add	*101.80*	
		For Elevated Installation >30' To 35', Add	*116.34*	
		For Elevated Installation >35' To 40', Add	*145.43*	
		For Elevated Installation >40', Add	*159.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*87.26*	
26 05 33 13-1050	EA	4" Type T Or TB, Three Hub, Polyvinyl Chloride (PVC) Coated, Urethane Lined, Iron Conduit Bodies With Cover	1,305.60	175.12
		For Work In Restricted Working Space, Add	*105.07*	
		For Elevated Installation >10' To 15', Add	*35.02*	
		For Elevated Installation >15' To 20', Add	*70.05*	
		For Elevated Installation >20' To 25', Add	*87.56*	
		For Elevated Installation >25' To 30', Add	*122.58*	
		For Elevated Installation >30' To 35', Add	*140.10*	
		For Elevated Installation >35' To 40', Add	*175.12*	
		For Elevated Installation >40', Add	*192.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*105.07*	

26 05 33 13-1051 Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined *(26 05 33 13-0848)*

26 05 33 13-1052	EA	1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	29.13	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.45*	
		For Elevated Installation >20' To 25', Add	*1.82*	
		For Elevated Installation >25' To 30', Add	*2.54*	
		For Elevated Installation >30' To 35', Add	*2.91*	
		For Elevated Installation >35' To 40', Add	*3.64*	
		For Elevated Installation >40', Add	*4.00*	
26 05 33 13-1053	EA	3/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	32.64	4.24
		For Work In Restricted Working Space, Add	*2.55*	
		For Elevated Installation >10' To 15', Add	*0.85*	
		For Elevated Installation >15' To 20', Add	*1.70*	
		For Elevated Installation >20' To 25', Add	*2.12*	
		For Elevated Installation >25' To 30', Add	*2.97*	
		For Elevated Installation >30' To 35', Add	*3.40*	
		For Elevated Installation >35' To 40', Add	*4.25*	
		For Elevated Installation >40', Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1054	EA	1" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	42.58	5.46
		For Work In Restricted Working Space, Add	*3.27*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.18*	
		For Elevated Installation >20' To 25', Add	*2.73*	
		For Elevated Installation >25' To 30', Add	*3.82*	
		For Elevated Installation >30' To 35', Add	*4.36*	
		For Elevated Installation >35' To 40', Add	*5.45*	
		For Elevated Installation >40', Add	*6.00*	
26 05 33 13-1055	EA	1-1/4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	54.87	6.67
		For Work In Restricted Working Space, Add	*4.00*	
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.67*	
		For Elevated Installation >20' To 25', Add	*3.33*	
		For Elevated Installation >25' To 30', Add	*4.67*	
		For Elevated Installation >30' To 35', Add	*5.33*	
		For Elevated Installation >35' To 40', Add	*6.67*	
		For Elevated Installation >40', Add	*7.33*	
26 05 33 13-1056	EA	1-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	61.31	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
26 05 33 13-1057	EA	2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	76.08	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
26 05 33 13-1058	EA	2-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	98.90	10.30
		For Work In Restricted Working Space, Add	*6.18*	
		For Elevated Installation >10' To 15', Add	*2.06*	
		For Elevated Installation >15' To 20', Add	*4.12*	
		For Elevated Installation >20' To 25', Add	*5.15*	
		For Elevated Installation >25' To 30', Add	*7.21*	
		For Elevated Installation >30' To 35', Add	*8.24*	
		For Elevated Installation >35' To 40', Add	*10.30*	
		For Elevated Installation >40', Add	*11.33*	
26 05 33 13-1059	EA	3" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	107.39	14.54
		For Work In Restricted Working Space, Add	*8.73*	
		For Elevated Installation >10' To 15', Add	*2.91*	
		For Elevated Installation >15' To 20', Add	*5.82*	
		For Elevated Installation >20' To 25', Add	*7.27*	
		For Elevated Installation >25' To 30', Add	*10.18*	
		For Elevated Installation >30' To 35', Add	*11.64*	
		For Elevated Installation >35' To 40', Add	*14.55*	
		For Elevated Installation >40', Add	*16.00*	
26 05 33 13-1060	EA	3-1/2" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	130.90	16.36
		For Work In Restricted Working Space, Add	*9.82*	
		For Elevated Installation >10' To 15', Add	*3.27*	
		For Elevated Installation >15' To 20', Add	*6.54*	
		For Elevated Installation >20' To 25', Add	*8.18*	
		For Elevated Installation >25' To 30', Add	*11.45*	
		For Elevated Installation >30' To 35', Add	*13.09*	
		For Elevated Installation >35' To 40', Add	*16.36*	
		For Elevated Installation >40', Add	*18.00*	
26 05 33 13-1061	EA	4" Replacement Iron Conduit Body Covers, Polyvinyl Chloride (PVC) Coated, Urethane Lined	139.38	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	

26 05 33 13-1062 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	136.39	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	150.77	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	176.28	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.91*	
26 05 33 13-1066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	209.50	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.54*	
26 05 33 13-1067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	262.39	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	
26 05 33 13-1068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	318.13	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.90*	
26 05 33 13-1069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	461.31	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.08*	
26 05 33 13-1070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	590.49	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.44*	
26 05 33 13-1071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,201.51	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYS Sealing Conduit Body	1,767.85	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.82*	
		For Elevated Installation >35' To 40', Add	*166.03*	
		For Elevated Installation >40', Add	*182.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.62*	

26 05 33 13-1073 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1074	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	238.20	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-1075	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	256.04	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1076	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	292.35	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.91*	
26 05 33 13-1077	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	326.90	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.54*	
26 05 33 13-1078	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	397.53	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	
26 05 33 13-1079	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	446.69	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.90*	
26 05 33 13-1080	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	628.45	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1081	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	876.73	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.44*	
26 05 33 13-1082	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,284.64	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.80*	
26 05 33 13-1083	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EYD Sealing Conduit Body	1,876.63	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.82*	
		For Elevated Installation >35' To 40', Add	*166.03*	
		For Elevated Installation >40', Add	*182.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*99.62*	

26 05 33 13-1084 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1085	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	189.19	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-1086	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	201.15	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1087	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	231.14	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.91*	
26 05 33 13-1088	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	257.47	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.54*	
26 05 33 13-1089	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	357.11	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1090	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	449.13	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.90*	
26 05 33 13-1091	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	699.53	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.08*	
26 05 33 13-1092	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,021.35	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*65.44*	
26 05 33 13-1093	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZS Sealing Conduit Body	1,284.64	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.80*	

26 05 33 13-1094 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Bodies *(26 05 33 13-0848)*

26 05 33 13-1095	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	252.59	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-1096	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	280.04	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1097	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	347.87	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.91*	
26 05 33 13-1098	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	429.57	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.54*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1099		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	600.27	48.48
			For Work In Restricted Working Space, Add	*29.09*	
			For Elevated Installation >10' To 15', Add	*9.70*	
			For Elevated Installation >15' To 20', Add	*19.39*	
			For Elevated Installation >20' To 25', Add	*24.24*	
			For Elevated Installation >25' To 30', Add	*33.93*	
			For Elevated Installation >30' To 35', Add	*38.78*	
			For Elevated Installation >35' To 40', Add	*48.48*	
			For Elevated Installation >40', Add	*53.32*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	
26 05 33 13-1100		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) EZD Sealing Conduit Body	719.38	58.17
			For Work In Restricted Working Space, Add	*34.90*	
			For Elevated Installation >10' To 15', Add	*11.63*	
			For Elevated Installation >15' To 20', Add	*23.27*	
			For Elevated Installation >20' To 25', Add	*29.09*	
			For Elevated Installation >25' To 30', Add	*40.72*	
			For Elevated Installation >30' To 35', Add	*46.54*	
			For Elevated Installation >35' To 40', Add	*58.17*	
			For Elevated Installation >40', Add	*63.99*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.90*	

26 05 33 13-1101 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Couplings *(26 05 33 13-0848)*

26 05 33 13-1102		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	47.12	11.66
			For Work In Restricted Working Space, Add	*6.99*	
			For Elevated Installation >10' To 15', Add	*2.33*	
			For Elevated Installation >15' To 20', Add	*4.66*	
			For Elevated Installation >20' To 25', Add	*5.83*	
			For Elevated Installation >25' To 30', Add	*8.16*	
			For Elevated Installation >30' To 35', Add	*9.32*	
			For Elevated Installation >35' To 40', Add	*11.65*	
			For Elevated Installation >40', Add	*12.82*	
26 05 33 13-1103		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	62.86	13.98
			For Work In Restricted Working Space, Add	*8.39*	
			For Elevated Installation >10' To 15', Add	*2.80*	
			For Elevated Installation >15' To 20', Add	*5.59*	
			For Elevated Installation >20' To 25', Add	*6.99*	
			For Elevated Installation >25' To 30', Add	*9.79*	
			For Elevated Installation >30' To 35', Add	*11.18*	
			For Elevated Installation >35' To 40', Add	*13.98*	
			For Elevated Installation >40', Add	*15.38*	
26 05 33 13-1104		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	79.67	18.65
			For Work In Restricted Working Space, Add	*11.19*	
			For Elevated Installation >10' To 15', Add	*3.73*	
			For Elevated Installation >15' To 20', Add	*7.46*	
			For Elevated Installation >20' To 25', Add	*9.32*	
			For Elevated Installation >25' To 30', Add	*13.05*	
			For Elevated Installation >30' To 35', Add	*14.92*	
			For Elevated Installation >35' To 40', Add	*18.65*	
			For Elevated Installation >40', Add	*20.51*	
26 05 33 13-1105		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	110.21	23.30
			For Work In Restricted Working Space, Add	*13.98*	
			For Elevated Installation >10' To 15', Add	*4.66*	
			For Elevated Installation >15' To 20', Add	*9.32*	
			For Elevated Installation >20' To 25', Add	*11.65*	
			For Elevated Installation >25' To 30', Add	*16.31*	
			For Elevated Installation >30' To 35', Add	*18.64*	
			For Elevated Installation >35' To 40', Add	*23.31*	
			For Elevated Installation >40', Add	*25.64*	
26 05 33 13-1106		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	145.29	27.96
			For Work In Restricted Working Space, Add	*16.78*	
			For Elevated Installation >10' To 15', Add	*5.59*	
			For Elevated Installation >15' To 20', Add	*11.19*	
			For Elevated Installation >20' To 25', Add	*13.98*	
			For Elevated Installation >25' To 30', Add	*19.58*	
			For Elevated Installation >30' To 35', Add	*22.37*	
			For Elevated Installation >35' To 40', Add	*27.97*	
			For Elevated Installation >40', Add	*30.76*	
26 05 33 13-1107		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	254.19	32.63
			For Work In Restricted Working Space, Add	*19.58*	
			For Elevated Installation >10' To 15', Add	*6.53*	
			For Elevated Installation >15' To 20', Add	*13.05*	
			For Elevated Installation >20' To 25', Add	*16.32*	
			For Elevated Installation >25' To 30', Add	*22.84*	
			For Elevated Installation >30' To 35', Add	*26.10*	
			For Elevated Installation >35' To 40', Add	*32.63*	
			For Elevated Installation >40', Add	*35.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1108	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	372.02	37.29
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
26 05 33 13-1109	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	465.35	41.95
		For Work In Restricted Working Space, Add	*25.17*	
		For Elevated Installation >10' To 15', Add	*8.39*	
		For Elevated Installation >15' To 20', Add	*16.78*	
		For Elevated Installation >20' To 25', Add	*20.98*	
		For Elevated Installation >25' To 30', Add	*29.37*	
		For Elevated Installation >30' To 35', Add	*33.56*	
		For Elevated Installation >35' To 40', Add	*41.95*	
		For Elevated Installation >40', Add	*46.15*	
26 05 33 13-1110	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	650.22	48.94
		For Work In Restricted Working Space, Add	*29.37*	
		For Elevated Installation >10' To 15', Add	*9.79*	
		For Elevated Installation >15' To 20', Add	*19.58*	
		For Elevated Installation >20' To 25', Add	*24.47*	
		For Elevated Installation >25' To 30', Add	*34.26*	
		For Elevated Installation >30' To 35', Add	*39.16*	
		For Elevated Installation >35' To 40', Add	*48.95*	
		For Elevated Installation >40', Add	*53.84*	
26 05 33 13-1111	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	790.39	55.93
		For Work In Restricted Working Space, Add	*33.56*	
		For Elevated Installation >10' To 15', Add	*11.19*	
		For Elevated Installation >15' To 20', Add	*22.37*	
		For Elevated Installation >20' To 25', Add	*27.97*	
		For Elevated Installation >25' To 30', Add	*39.15*	
		For Elevated Installation >30' To 35', Add	*44.75*	
		For Elevated Installation >35' To 40', Add	*55.94*	
		For Elevated Installation >40', Add	*61.53*	
26 05 33 13-1112	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,265.27	88.56
		For Work In Restricted Working Space, Add	*53.13*	
		For Elevated Installation >10' To 15', Add	*17.71*	
		For Elevated Installation >15' To 20', Add	*35.42*	
		For Elevated Installation >20' To 25', Add	*44.28*	
		For Elevated Installation >25' To 30', Add	*61.99*	
		For Elevated Installation >30' To 35', Add	*70.84*	
		For Elevated Installation >35' To 40', Add	*88.56*	
		For Elevated Installation >40', Add	*97.41*	
26 05 33 13-1113	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Split Coupling	1,725.91	135.17
		For Work In Restricted Working Space, Add	*81.10*	
		For Elevated Installation >10' To 15', Add	*27.03*	
		For Elevated Installation >15' To 20', Add	*54.07*	
		For Elevated Installation >20' To 25', Add	*67.59*	
		For Elevated Installation >25' To 30', Add	*94.62*	
		For Elevated Installation >30' To 35', Add	*108.14*	
		For Elevated Installation >35' To 40', Add	*135.17*	
		For Elevated Installation >40', Add	*148.69*	

26 05 33 13-1114 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1115	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	178.01	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1116	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	211.04	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.85*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.12*	
		For Elevated Installation >40', Add	*35.33*	
26 05 33 13-1117	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	232.16	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1118	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	336.40	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1119	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	446.31	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1120	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	480.22	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
26 05 33 13-1121	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,149.10	80.59
		For Work In Restricted Working Space, Add	*48.35*	
		For Elevated Installation >10' To 15', Add	*16.12*	
		For Elevated Installation >15' To 20', Add	*32.24*	
		For Elevated Installation >20' To 25', Add	*40.30*	
		For Elevated Installation >25' To 30', Add	*56.41*	
		For Elevated Installation >30' To 35', Add	*64.47*	
		For Elevated Installation >35' To 40', Add	*80.59*	
		For Elevated Installation >40', Add	*88.65*	
26 05 33 13-1122	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,206.30	109.07
		For Work In Restricted Working Space, Add	*65.45*	
		For Elevated Installation >10' To 15', Add	*21.82*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.08*	
		For Elevated Installation >40', Add	*119.98*	
26 05 33 13-1123	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	1,984.32	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.54*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.44*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-1124	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Pulling Elbow	2,060.31	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.83*	
		For Elevated Installation >35' To 40', Add	*166.04*	
		For Elevated Installation >40', Add	*182.64*	

26 05 33 13-1125 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbows *(26 05 33 13-0848)*

26 05 33 13-1126	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	263.29	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1127	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	299.89	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1128	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	599.06	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1129	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	627.32	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1130	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	860.73	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1131	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	916.35	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
26 05 33 13-1132	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,769.99	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
26 05 33 13-1133	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	1,856.29	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
26 05 33 13-1134	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	2,725.74	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1135		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Hazardous Locations Pulling Elbow	3,083.33	166.02
			For Work In Restricted Working Space, Add	*99.62*	
			For Elevated Installation >10' To 15', Add	*33.21*	
			For Elevated Installation >15' To 20', Add	*66.41*	
			For Elevated Installation >20' To 25', Add	*83.02*	
			For Elevated Installation >25' To 30', Add	*116.22*	
			For Elevated Installation >30' To 35', Add	*132.82*	
			For Elevated Installation >35' To 40', Add	*166.03*	
			For Elevated Installation >40', Add	*182.63*	

26 05 33 13-1136 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1137		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	99.93	15.15
			For Work In Restricted Working Space, Add	*9.09*	
			For Elevated Installation >10' To 15', Add	*3.03*	
			For Elevated Installation >15' To 20', Add	*6.06*	
			For Elevated Installation >20' To 25', Add	*7.58*	
			For Elevated Installation >25' To 30', Add	*10.61*	
			For Elevated Installation >30' To 35', Add	*12.12*	
			For Elevated Installation >35' To 40', Add	*15.15*	
			For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1138		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	115.96	18.79
			For Work In Restricted Working Space, Add	*11.27*	
			For Elevated Installation >10' To 15', Add	*3.76*	
			For Elevated Installation >15' To 20', Add	*7.51*	
			For Elevated Installation >20' To 25', Add	*9.39*	
			For Elevated Installation >25' To 30', Add	*13.15*	
			For Elevated Installation >30' To 35', Add	*15.02*	
			For Elevated Installation >35' To 40', Add	*18.78*	
			For Elevated Installation >40', Add	*20.66*	
26 05 33 13-1139		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	137.97	23.03
			For Work In Restricted Working Space, Add	*13.82*	
			For Elevated Installation >10' To 15', Add	*4.61*	
			For Elevated Installation >15' To 20', Add	*9.21*	
			For Elevated Installation >20' To 25', Add	*11.51*	
			For Elevated Installation >25' To 30', Add	*16.12*	
			For Elevated Installation >30' To 35', Add	*18.42*	
			For Elevated Installation >35' To 40', Add	*23.03*	
			For Elevated Installation >40', Add	*25.33*	
26 05 33 13-1140		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Male 90 Degree Malleable Elbow	163.01	26.66
			For Work In Restricted Working Space, Add	*16.00*	
			For Elevated Installation >10' To 15', Add	*5.33*	
			For Elevated Installation >15' To 20', Add	*10.66*	
			For Elevated Installation >20' To 25', Add	*13.33*	
			For Elevated Installation >25' To 30', Add	*18.66*	
			For Elevated Installation >30' To 35', Add	*21.33*	
			For Elevated Installation >35' To 40', Add	*26.66*	
			For Elevated Installation >40', Add	*29.33*	

26 05 33 13-1141 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1142		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	77.71	15.15
			For Work In Restricted Working Space, Add	*9.09*	
			For Elevated Installation >10' To 15', Add	*3.03*	
			For Elevated Installation >15' To 20', Add	*6.06*	
			For Elevated Installation >20' To 25', Add	*7.58*	
			For Elevated Installation >25' To 30', Add	*10.61*	
			For Elevated Installation >30' To 35', Add	*12.12*	
			For Elevated Installation >35' To 40', Add	*15.15*	
			For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1143		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	89.29	18.79
			For Work In Restricted Working Space, Add	*11.27*	
			For Elevated Installation >10' To 15', Add	*3.76*	
			For Elevated Installation >15' To 20', Add	*7.51*	
			For Elevated Installation >20' To 25', Add	*9.39*	
			For Elevated Installation >25' To 30', Add	*13.15*	
			For Elevated Installation >30' To 35', Add	*15.02*	
			For Elevated Installation >35' To 40', Add	*18.78*	
			For Elevated Installation >40', Add	*20.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1144	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	124.98	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-1145	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	163.11	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-1146	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	199.44	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-1147	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	289.90	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1148	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 90 Degree Malleable Elbow	397.32	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	

26 05 33 13-1149 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1150	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	99.98	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1151	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	119.04	18.79
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.02*	
		For Elevated Installation >35' To 40', Add	*18.78*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-1152	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	138.00	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1153	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Male To Female 90 Degree Malleable Elbow	163.06	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	

26 05 33 13-1154 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbows *(26 05 33 13-0848)*

26 05 33 13-1155	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	77.79	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1156	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	89.29	18.79
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.02*	
		For Elevated Installation >35' To 40', Add	*18.78*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-1157	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	115.78	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-1158	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	145.24	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-1159	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	170.33	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-1160	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	196.68	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1161	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	373.55	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1162	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	425.37	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-1163	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	458.10	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-1164	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Female To Female 45 Degree Malleable Elbow	563.83	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

26 05 33 13-1165 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbows *(26 05 33 13-0848)*

26 05 33 13-1166	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	163.62	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.45*	
26 05 33 13-1167	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	176.24	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.00*	
26 05 33 13-1168	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	192.42	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.91*	
26 05 33 13-1169	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	260.57	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.54*	
26 05 33 13-1170	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Service Entrance Elbow	333.90	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1171		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1172	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	198.83	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1173	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	213.61	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1174	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	249.93	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1175	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	360.38	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1176	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	592.51	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1177	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAB, GUAC, GUAL, GUAN Junction Box With Cast Iron Cover	638.47	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
26 05 33 13-1178		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Boxes With Cast Iron Cover** *(26 05 33 13-0848)*		
26 05 33 13-1179	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	218.81	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1180	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	246.94	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1181	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	268.94	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1182	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	379.70	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1183	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	638.60	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1184	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAT Junction Box With Cast Iron Cover	680.77	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	

26 05 33 13-1185 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1186	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	218.96	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1187	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	241.04	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1188	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	287.30	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1189	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	394.41	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1190	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	660.56	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1191	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAW, GUAX Junction Box With Cast Iron Cover	707.84	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	

26 05 33 13-1192 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Boxes With Cast Iron Cover *(26 05 33 13-0848)*

26 05 33 13-1193	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	274.28	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1194	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	302.53	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1195	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	327.28	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1196	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) GUAD Junction Box With Cast Iron Cover	841.47	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	

26 05 33 13-1197 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1198	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	126.78	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1199	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	138.97	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1200	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	154.88	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1201	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	141.78	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1202	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	152.09	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1203	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FS Series Junction Box	173.10	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	

26 05 33 13-1204 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Boxes *(26 05 33 13-0848)*

Note: Excludes cover.

26 05 33 13-1205	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	133.87	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1206	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	146.96	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1207	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	160.39	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1208	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	151.92	29.09
		For Work In Restricted Working Space, Add	*17.45*	
		For Elevated Installation >10' To 15', Add	*5.82*	
		For Elevated Installation >15' To 20', Add	*11.63*	
		For Elevated Installation >20' To 25', Add	*14.54*	
		For Elevated Installation >25' To 30', Add	*20.36*	
		For Elevated Installation >30' To 35', Add	*23.27*	
		For Elevated Installation >35' To 40', Add	*29.09*	
		For Elevated Installation >40', Add	*31.99*	
26 05 33 13-1209	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	165.18	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1210	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) FD Series Junction Box	186.58	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	

26 05 33 13-1211 Polyvinyl Chloride (PVC) Coated, Urethane Lined, FS And FD Series Covers *(26 05 33 13-0848)*

26 05 33 13-1212	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS23, FS And FD Series Cover	49.72	3.63
		For Work In Restricted Working Space, Add	*2.18*	
		For Elevated Installation >10' To 15', Add	*0.73*	
		For Elevated Installation >15' To 20', Add	*1.45*	
		For Elevated Installation >20' To 25', Add	*1.82*	
		For Elevated Installation >25' To 30', Add	*2.54*	
		For Elevated Installation >30' To 35', Add	*2.91*	
		For Elevated Installation >35' To 40', Add	*3.64*	
		For Elevated Installation >40', Add	*4.00*	
26 05 33 13-1213	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS21G, FS And FD Series Cover	67.87	4.24
		For Work In Restricted Working Space, Add	*2.55*	
		For Elevated Installation >10' To 15', Add	*0.85*	
		For Elevated Installation >15' To 20', Add	*1.70*	
		For Elevated Installation >20' To 25', Add	*2.12*	
		For Elevated Installation >25' To 30', Add	*2.97*	
		For Elevated Installation >30' To 35', Add	*3.40*	
		For Elevated Installation >35' To 40', Add	*4.25*	
		For Elevated Installation >40', Add	*4.67*	
26 05 33 13-1214	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS32G, FS And FD Series Cover	63.98	4.24
		For Work In Restricted Working Space, Add	*2.55*	
		For Elevated Installation >10' To 15', Add	*0.85*	
		For Elevated Installation >15' To 20', Add	*1.70*	
		For Elevated Installation >20' To 25', Add	*2.12*	
		For Elevated Installation >25' To 30', Add	*2.97*	
		For Elevated Installation >30' To 35', Add	*3.40*	
		For Elevated Installation >35' To 40', Add	*4.25*	
		For Elevated Installation >40', Add	*4.67*	
26 05 33 13-1215	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, DS100G, FS And FD Series Cover	56.71	4.24
		For Work In Restricted Working Space, Add	*2.55*	
		For Elevated Installation >10' To 15', Add	*0.85*	
		For Elevated Installation >15' To 20', Add	*1.70*	
		For Elevated Installation >20' To 25', Add	*2.12*	
		For Elevated Installation >25' To 30', Add	*2.97*	
		For Elevated Installation >30' To 35', Add	*3.40*	
		For Elevated Installation >35' To 40', Add	*4.25*	
		For Elevated Installation >40', Add	*4.67*	
26 05 33 13-1216	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRD1, FS And FD Series Cover	281.59	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
26 05 33 13-1217	EA	Polyvinyl Chloride (PVC) Coated, Urethane Lined, WLRS1, FS And FD Series Cover	250.06	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1218		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Mogul Conduit Bodies** *(26 05 33 13-0848)*		
		Note: Includes covers.		
26 05 33 13-1219	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	283.23	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1220	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	317.67	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1221	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	442.96	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1222	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	527.68	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
26 05 33 13-1223	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	763.08	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
26 05 33 13-1224	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	960.85	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
26 05 33 13-1225	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,416.52	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-1226	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BC Mogul Conduit Body	1,758.73	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.82*	
		For Elevated Installation >35' To 40', Add	*166.03*	
		For Elevated Installation >40', Add	*182.63*	
26 05 33 13-1227	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	283.23	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1228	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	317.67	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1229	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	441.69	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1230	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	514.84	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
26 05 33 13-1231	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	774.90	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
26 05 33 13-1232	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,013.88	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
26 05 33 13-1233	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,480.54	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-1234	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BLB Mogul Conduit Body	1,798.59	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.82*	
		For Elevated Installation >35' To 40', Add	*166.03*	
		For Elevated Installation >40', Add	*182.63*	
26 05 33 13-1235	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	283.23	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1236	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	317.67	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1237	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	441.69	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	
26 05 33 13-1238	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	514.84	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
26 05 33 13-1239	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	774.90	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
26 05 33 13-1240	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,013.88	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
26 05 33 13-1241	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,480.54	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-1242	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BT Mogul Conduit Body	1,798.59	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.82*	
		For Elevated Installation >35' To 40', Add	*166.03*	
		For Elevated Installation >40', Add	*182.63*	
26 05 33 13-1243	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	283.23	38.18
		For Work In Restricted Working Space, Add	*22.91*	
		For Elevated Installation >10' To 15', Add	*7.64*	
		For Elevated Installation >15' To 20', Add	*15.27*	
		For Elevated Installation >20' To 25', Add	*19.09*	
		For Elevated Installation >25' To 30', Add	*26.72*	
		For Elevated Installation >30' To 35', Add	*30.54*	
		For Elevated Installation >35' To 40', Add	*38.18*	
		For Elevated Installation >40', Add	*41.99*	
26 05 33 13-1244	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	317.67	44.23
		For Work In Restricted Working Space, Add	*26.54*	
		For Elevated Installation >10' To 15', Add	*8.85*	
		For Elevated Installation >15' To 20', Add	*17.69*	
		For Elevated Installation >20' To 25', Add	*22.12*	
		For Elevated Installation >25' To 30', Add	*30.96*	
		For Elevated Installation >30' To 35', Add	*35.39*	
		For Elevated Installation >35' To 40', Add	*44.24*	
		For Elevated Installation >40', Add	*48.66*	
26 05 33 13-1245	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	442.96	48.48
		For Work In Restricted Working Space, Add	*29.09*	
		For Elevated Installation >10' To 15', Add	*9.70*	
		For Elevated Installation >15' To 20', Add	*19.39*	
		For Elevated Installation >20' To 25', Add	*24.24*	
		For Elevated Installation >25' To 30', Add	*33.93*	
		For Elevated Installation >30' To 35', Add	*38.78*	
		For Elevated Installation >35' To 40', Add	*48.48*	
		For Elevated Installation >40', Add	*53.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1246	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	521.76	58.17
		For Work In Restricted Working Space, Add	*34.90*	
		For Elevated Installation >10' To 15', Add	*11.63*	
		For Elevated Installation >15' To 20', Add	*23.27*	
		For Elevated Installation >20' To 25', Add	*29.09*	
		For Elevated Installation >25' To 30', Add	*40.72*	
		For Elevated Installation >30' To 35', Add	*46.54*	
		For Elevated Installation >35' To 40', Add	*58.17*	
		For Elevated Installation >40', Add	*63.99*	
26 05 33 13-1247	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	763.08	81.80
		For Work In Restricted Working Space, Add	*49.08*	
		For Elevated Installation >10' To 15', Add	*16.36*	
		For Elevated Installation >15' To 20', Add	*32.72*	
		For Elevated Installation >20' To 25', Add	*40.90*	
		For Elevated Installation >25' To 30', Add	*57.26*	
		For Elevated Installation >30' To 35', Add	*65.44*	
		For Elevated Installation >35' To 40', Add	*81.80*	
		For Elevated Installation >40', Add	*89.98*	
26 05 33 13-1248	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	960.85	109.07
		For Work In Restricted Working Space, Add	*65.44*	
		For Elevated Installation >10' To 15', Add	*21.81*	
		For Elevated Installation >15' To 20', Add	*43.63*	
		For Elevated Installation >20' To 25', Add	*54.54*	
		For Elevated Installation >25' To 30', Add	*76.35*	
		For Elevated Installation >30' To 35', Add	*87.26*	
		For Elevated Installation >35' To 40', Add	*109.07*	
		For Elevated Installation >40', Add	*119.98*	
26 05 33 13-1249	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,416.52	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-1250	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) BUB Mogul Conduit Body	1,775.33	166.02
		For Work In Restricted Working Space, Add	*99.62*	
		For Elevated Installation >10' To 15', Add	*33.21*	
		For Elevated Installation >15' To 20', Add	*66.41*	
		For Elevated Installation >20' To 25', Add	*83.02*	
		For Elevated Installation >25' To 30', Add	*116.22*	
		For Elevated Installation >30' To 35', Add	*132.82*	
		For Elevated Installation >35' To 40', Add	*166.03*	
		For Elevated Installation >40', Add	*182.63*	

26 05 33 13-1251 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Covers *(26 05 33 13-0848)*

26 05 33 13-1252	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	145.68	5.46
		For Work In Restricted Working Space, Add	*3.27*	
		For Elevated Installation >10' To 15', Add	*1.09*	
		For Elevated Installation >15' To 20', Add	*2.18*	
		For Elevated Installation >20' To 25', Add	*2.73*	
		For Elevated Installation >25' To 30', Add	*3.82*	
		For Elevated Installation >30' To 35', Add	*4.36*	
		For Elevated Installation >35' To 40', Add	*5.45*	
		For Elevated Installation >40', Add	*6.00*	
26 05 33 13-1253	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	146.90	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
26 05 33 13-1254	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	207.70	8.49
		For Work In Restricted Working Space, Add	*5.09*	
		For Elevated Installation >10' To 15', Add	*1.70*	
		For Elevated Installation >15' To 20', Add	*3.39*	
		For Elevated Installation >20' To 25', Add	*4.24*	
		For Elevated Installation >25' To 30', Add	*5.94*	
		For Elevated Installation >30' To 35', Add	*6.78*	
		For Elevated Installation >35' To 40', Add	*8.48*	
		For Elevated Installation >40', Add	*9.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1255	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	210.13	9.70
		For Work In Restricted Working Space, Add	*5.82*	
		For Elevated Installation >10' To 15', Add	*1.94*	
		For Elevated Installation >15' To 20', Add	*3.88*	
		For Elevated Installation >20' To 25', Add	*4.85*	
		For Elevated Installation >25' To 30', Add	*6.79*	
		For Elevated Installation >30' To 35', Add	*7.76*	
		For Elevated Installation >35' To 40', Add	*9.70*	
		For Elevated Installation >40', Add	*10.66*	
26 05 33 13-1256	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	369.14	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
26 05 33 13-1257	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	375.20	14.54
		For Work In Restricted Working Space, Add	*8.73*	
		For Elevated Installation >10' To 15', Add	*2.91*	
		For Elevated Installation >15' To 20', Add	*5.82*	
		For Elevated Installation >20' To 25', Add	*7.27*	
		For Elevated Installation >25' To 30', Add	*10.18*	
		For Elevated Installation >30' To 35', Add	*11.64*	
		For Elevated Installation >35' To 40', Add	*14.55*	
		For Elevated Installation >40', Add	*16.00*	
26 05 33 13-1258	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	567.10	16.36
		For Work In Restricted Working Space, Add	*9.82*	
		For Elevated Installation >10' To 15', Add	*3.27*	
		For Elevated Installation >15' To 20', Add	*6.54*	
		For Elevated Installation >20' To 25', Add	*8.18*	
		For Elevated Installation >25' To 30', Add	*11.45*	
		For Elevated Installation >30' To 35', Add	*13.09*	
		For Elevated Installation >35' To 40', Add	*16.36*	
		For Elevated Installation >40', Add	*18.00*	
26 05 33 13-1259	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Replacement Rigid Galvanized Steel (RGS) Mogul Cover	576.80	21.20
		For Work In Restricted Working Space, Add	*12.73*	
		For Elevated Installation >10' To 15', Add	*4.24*	
		For Elevated Installation >15' To 20', Add	*8.48*	
		For Elevated Installation >20' To 25', Add	*10.61*	
		For Elevated Installation >25' To 30', Add	*14.85*	
		For Elevated Installation >30' To 35', Add	*16.97*	
		For Elevated Installation >35' To 40', Add	*21.21*	
		For Elevated Installation >40', Add	*23.33*	

26 05 33 13-1260 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings *(26 05 33 13-0848)*

26 05 33 13-1261	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	248.82	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1262	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	293.65	18.79
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.02*	
		For Elevated Installation >35' To 40', Add	*18.78*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-1263	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	347.32	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1264	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	428.49	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-1265	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	574.73	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-1266	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	798.86	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1267	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,143.00	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-1268	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,419.44	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-1269	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	1,997.23	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-1270	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting	2,298.40	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	

26 05 33 13-1271 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fittings With Bonding Jumper *(26 05 33 13-0848)*

26 05 33 13-1272	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	398.53	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1273	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	412.73	18.79
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.02*	
		For Elevated Installation >35' To 40', Add	*18.78*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-1274	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	462.86	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-1275	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	560.52	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-1276	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	680.16	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-1277	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	871.44	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1278	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,289.20	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-1279	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	1,614.81	56.96
		For Work In Restricted Working Space, Add	*34.17*	
		For Elevated Installation >10' To 15', Add	*11.39*	
		For Elevated Installation >15' To 20', Add	*22.78*	
		For Elevated Installation >20' To 25', Add	*28.48*	
		For Elevated Installation >25' To 30', Add	*39.87*	
		For Elevated Installation >30' To 35', Add	*45.56*	
		For Elevated Installation >35' To 40', Add	*56.96*	
		For Elevated Installation >40', Add	*62.65*	
26 05 33 13-1280	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,060.30	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1281		EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Expansion Fitting With Bonding Jumper	2,577.72	83.62
			For Work In Restricted Working Space, Add	*50.17*	
			For Elevated Installation >10' To 15', Add	*16.72*	
			For Elevated Installation >15' To 20', Add	*33.45*	
			For Elevated Installation >20' To 25', Add	*41.81*	
			For Elevated Installation >25' To 30', Add	*58.53*	
			For Elevated Installation >30' To 35', Add	*66.89*	
			For Elevated Installation >35' To 40', Add	*83.62*	
			For Elevated Installation >40', Add	*91.98*	

26 05 33 13-1282 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STG Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1283		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	81.40	7.27
			For Work In Restricted Working Space, Add	*4.36*	
			For Elevated Installation >10' To 15', Add	*1.45*	
			For Elevated Installation >15' To 20', Add	*2.91*	
			For Elevated Installation >20' To 25', Add	*3.64*	
			For Elevated Installation >25' To 30', Add	*5.09*	
			For Elevated Installation >30' To 35', Add	*5.82*	
			For Elevated Installation >35' To 40', Add	*7.27*	
			For Elevated Installation >40', Add	*8.00*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.36*	
26 05 33 13-1284		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	87.85	9.09
			For Work In Restricted Working Space, Add	*5.45*	
			For Elevated Installation >10' To 15', Add	*1.82*	
			For Elevated Installation >15' To 20', Add	*3.63*	
			For Elevated Installation >20' To 25', Add	*4.54*	
			For Elevated Installation >25' To 30', Add	*6.36*	
			For Elevated Installation >30' To 35', Add	*7.27*	
			For Elevated Installation >35' To 40', Add	*9.09*	
			For Elevated Installation >40', Add	*9.99*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1285		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	96.36	10.90
			For Work In Restricted Working Space, Add	*6.55*	
			For Elevated Installation >10' To 15', Add	*2.18*	
			For Elevated Installation >15' To 20', Add	*4.36*	
			For Elevated Installation >20' To 25', Add	*5.46*	
			For Elevated Installation >25' To 30', Add	*7.64*	
			For Elevated Installation >30' To 35', Add	*8.73*	
			For Elevated Installation >35' To 40', Add	*10.91*	
			For Elevated Installation >40', Add	*12.00*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.55*	
26 05 33 13-1286		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	108.67	13.33
			For Work In Restricted Working Space, Add	*8.00*	
			For Elevated Installation >10' To 15', Add	*2.67*	
			For Elevated Installation >15' To 20', Add	*5.33*	
			For Elevated Installation >20' To 25', Add	*6.67*	
			For Elevated Installation >25' To 30', Add	*9.33*	
			For Elevated Installation >30' To 35', Add	*10.66*	
			For Elevated Installation >35' To 40', Add	*13.33*	
			For Elevated Installation >40', Add	*14.66*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1287		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	147.11	15.15
			For Work In Restricted Working Space, Add	*9.09*	
			For Elevated Installation >10' To 15', Add	*3.03*	
			For Elevated Installation >15' To 20', Add	*6.06*	
			For Elevated Installation >20' To 25', Add	*7.58*	
			For Elevated Installation >25' To 30', Add	*10.61*	
			For Elevated Installation >30' To 35', Add	*12.12*	
			For Elevated Installation >35' To 40', Add	*15.15*	
			For Elevated Installation >40', Add	*16.67*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1288		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	180.28	16.96
			For Work In Restricted Working Space, Add	*10.18*	
			For Elevated Installation >10' To 15', Add	*3.39*	
			For Elevated Installation >15' To 20', Add	*6.79*	
			For Elevated Installation >20' To 25', Add	*8.48*	
			For Elevated Installation >25' To 30', Add	*11.88*	
			For Elevated Installation >30' To 35', Add	*13.57*	
			For Elevated Installation >35' To 40', Add	*16.97*	
			For Elevated Installation >40', Add	*18.66*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1289		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	259.11	21.20
			For Work In Restricted Working Space, Add	*12.73*	
			For Elevated Installation >10' To 15', Add	*4.24*	
			For Elevated Installation >15' To 20', Add	*8.48*	
			For Elevated Installation >20' To 25', Add	*10.61*	
			For Elevated Installation >25' To 30', Add	*14.85*	
			For Elevated Installation >30' To 35', Add	*16.97*	
			For Elevated Installation >35' To 40', Add	*21.21*	
			For Elevated Installation >40', Add	*23.33*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1290	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	337.99	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.94*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1291	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	432.99	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.85*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.12*	
		For Elevated Installation >40', Add	*35.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1292	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	544.10	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 05 33 13-1293	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	671.25	67.86
		For Work In Restricted Working Space, Add	*40.72*	
		For Elevated Installation >10' To 15', Add	*13.57*	
		For Elevated Installation >15' To 20', Add	*27.15*	
		For Elevated Installation >20' To 25', Add	*33.93*	
		For Elevated Installation >25' To 30', Add	*47.51*	
		For Elevated Installation >30' To 35', Add	*54.29*	
		For Elevated Installation >35' To 40', Add	*67.87*	
		For Elevated Installation >40', Add	*74.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.72*	
26 05 33 13-1294	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STG Knockout Hub	1,012.34	102.40
		For Work In Restricted Working Space, Add	*61.44*	
		For Elevated Installation >10' To 15', Add	*20.48*	
		For Elevated Installation >15' To 20', Add	*40.96*	
		For Elevated Installation >20' To 25', Add	*51.20*	
		For Elevated Installation >25' To 30', Add	*71.68*	
		For Elevated Installation >30' To 35', Add	*81.92*	
		For Elevated Installation >35' To 40', Add	*102.41*	
		For Elevated Installation >40', Add	*112.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.44*	

26 05 33 13-1295 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1296	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	123.93	7.27
		For Work In Restricted Working Space, Add	*4.36*	
		For Elevated Installation >10' To 15', Add	*1.45*	
		For Elevated Installation >15' To 20', Add	*2.91*	
		For Elevated Installation >20' To 25', Add	*3.64*	
		For Elevated Installation >25' To 30', Add	*5.09*	
		For Elevated Installation >30' To 35', Add	*5.82*	
		For Elevated Installation >35' To 40', Add	*7.27*	
		For Elevated Installation >40', Add	*8.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.36*	
26 05 33 13-1297	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	130.68	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1298	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	140.13	10.90
		For Work In Restricted Working Space, Add	*6.55*	
		For Elevated Installation >10' To 15', Add	*2.18*	
		For Elevated Installation >15' To 20', Add	*4.36*	
		For Elevated Installation >20' To 25', Add	*5.46*	
		For Elevated Installation >25' To 30', Add	*7.64*	
		For Elevated Installation >30' To 35', Add	*8.73*	
		For Elevated Installation >35' To 40', Add	*10.91*	
		For Elevated Installation >40', Add	*12.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1299	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	159.71	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1300	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	171.21	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1301	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	193.70	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1302	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	296.79	21.20
		For Work In Restricted Working Space, Add	*12.73*	
		For Elevated Installation >10' To 15', Add	*4.24*	
		For Elevated Installation >15' To 20', Add	*8.48*	
		For Elevated Installation >20' To 25', Add	*10.61*	
		For Elevated Installation >25' To 30', Add	*14.85*	
		For Elevated Installation >30' To 35', Add	*16.97*	
		For Elevated Installation >35' To 40', Add	*21.21*	
		For Elevated Installation >40', Add	*23.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.73*	
26 05 33 13-1303	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	354.24	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.94*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1304	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	436.50	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.85*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.12*	
		For Elevated Installation >40', Add	*35.33*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1305	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	566.75	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.09*	
26 05 33 13-1306	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	880.73	67.86
		For Work In Restricted Working Space, Add	*40.72*	
		For Elevated Installation >10' To 15', Add	*13.57*	
		For Elevated Installation >15' To 20', Add	*27.15*	
		For Elevated Installation >20' To 25', Add	*33.93*	
		For Elevated Installation >25' To 30', Add	*47.51*	
		For Elevated Installation >30' To 35', Add	*54.29*	
		For Elevated Installation >35' To 40', Add	*67.87*	
		For Elevated Installation >40', Add	*74.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1307	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTB Knockout Hub	1,444.02	102.40
		For Work In Restricted Working Space, Add	*61.44*	
		For Elevated Installation >10' To 15', Add	*20.48*	
		For Elevated Installation >15' To 20', Add	*40.96*	
		For Elevated Installation >20' To 25', Add	*51.20*	
		For Elevated Installation >25' To 30', Add	*71.68*	
		For Elevated Installation >30' To 35', Add	*81.92*	
		For Elevated Installation >35' To 40', Add	*102.41*	
		For Elevated Installation >40', Add	*112.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.44*	

26 05 33 13-1308 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), STTTB Knockout Hubs *(26 05 33 13-0848)*

26 05 33 13-1309	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	133.38	7.27
		For Work In Restricted Working Space, Add	*4.36*	
		For Elevated Installation >10' To 15', Add	*1.45*	
		For Elevated Installation >15' To 20', Add	*2.91*	
		For Elevated Installation >20' To 25', Add	*3.64*	
		For Elevated Installation >25' To 30', Add	*5.09*	
		For Elevated Installation >30' To 35', Add	*5.82*	
		For Elevated Installation >35' To 40', Add	*7.27*	
		For Elevated Installation >40', Add	*8.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.36*	
26 05 33 13-1310	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	139.66	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1311	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	149.51	10.90
		For Work In Restricted Working Space, Add	*6.55*	
		For Elevated Installation >10' To 15', Add	*2.18*	
		For Elevated Installation >15' To 20', Add	*4.36*	
		For Elevated Installation >20' To 25', Add	*5.46*	
		For Elevated Installation >25' To 30', Add	*7.64*	
		For Elevated Installation >30' To 35', Add	*8.73*	
		For Elevated Installation >35' To 40', Add	*10.91*	
		For Elevated Installation >40', Add	*12.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.55*	
26 05 33 13-1312	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	188.19	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1313	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	205.58	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1314	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) STTTB Knockout Hub	217.42	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	

26 05 33 13-1315 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions *(26 05 33 13-0848)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1316	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	95.91	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1317	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	104.37	18.79
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.02*	
		For Elevated Installation >35' To 40', Add	*18.78*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-1318	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	135.61	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-1319	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	197.46	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-1320	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	234.45	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-1321	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	298.34	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	
26 05 33 13-1322	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	397.29	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-1323	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	516.06	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-1324	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	664.87	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1325	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	855.99	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-1326	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,560.05	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-1327	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union	1,942.87	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-1328 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions *(26 05 33 13-0848)*

26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	98.12	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	112.81	18.79
		For Work In Restricted Working Space, Add	*11.27*	
		For Elevated Installation >10' To 15', Add	*3.76*	
		For Elevated Installation >15' To 20', Add	*7.51*	
		For Elevated Installation >20' To 25', Add	*9.39*	
		For Elevated Installation >25' To 30', Add	*13.15*	
		For Elevated Installation >30' To 35', Add	*15.02*	
		For Elevated Installation >35' To 40', Add	*18.78*	
		For Elevated Installation >40', Add	*20.66*	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	140.11	23.03
		For Work In Restricted Working Space, Add	*13.82*	
		For Elevated Installation >10' To 15', Add	*4.61*	
		For Elevated Installation >15' To 20', Add	*9.21*	
		For Elevated Installation >20' To 25', Add	*11.51*	
		For Elevated Installation >25' To 30', Add	*16.12*	
		For Elevated Installation >30' To 35', Add	*18.42*	
		For Elevated Installation >35' To 40', Add	*23.03*	
		For Elevated Installation >40', Add	*25.33*	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	205.72	26.66
		For Work In Restricted Working Space, Add	*16.00*	
		For Elevated Installation >10' To 15', Add	*5.33*	
		For Elevated Installation >15' To 20', Add	*10.66*	
		For Elevated Installation >20' To 25', Add	*13.33*	
		For Elevated Installation >25' To 30', Add	*18.66*	
		For Elevated Installation >30' To 35', Add	*21.33*	
		For Elevated Installation >35' To 40', Add	*26.66*	
		For Elevated Installation >40', Add	*29.33*	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	245.91	30.30
		For Work In Restricted Working Space, Add	*18.18*	
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	323.10	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.66*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	450.27	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	569.93	41.81
		For Work In Restricted Working Space, Add	*25.09*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.91*	
		For Elevated Installation >25' To 30', Add	*29.27*	
		For Elevated Installation >30' To 35', Add	*33.45*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	762.26	64.23
		For Work In Restricted Working Space, Add	*38.54*	
		For Elevated Installation >10' To 15', Add	*12.85*	
		For Elevated Installation >15' To 20', Add	*25.69*	
		For Elevated Installation >20' To 25', Add	*32.12*	
		For Elevated Installation >25' To 30', Add	*44.96*	
		For Elevated Installation >30' To 35', Add	*51.38*	
		For Elevated Installation >35' To 40', Add	*64.23*	
		For Elevated Installation >40', Add	*70.65*	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	953.03	83.62
		For Work In Restricted Working Space, Add	*50.17*	
		For Elevated Installation >10' To 15', Add	*16.72*	
		For Elevated Installation >15' To 20', Add	*33.45*	
		For Elevated Installation >20' To 25', Add	*41.81*	
		For Elevated Installation >25' To 30', Add	*58.53*	
		For Elevated Installation >30' To 35', Add	*66.89*	
		For Elevated Installation >35' To 40', Add	*83.62*	
		For Elevated Installation >40', Add	*91.98*	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	1,737.93	136.33
		For Work In Restricted Working Space, Add	*81.80*	
		For Elevated Installation >10' To 15', Add	*27.27*	
		For Elevated Installation >15' To 20', Add	*54.53*	
		For Elevated Installation >20' To 25', Add	*68.17*	
		For Elevated Installation >25' To 30', Add	*95.43*	
		For Elevated Installation >30' To 35', Add	*109.07*	
		For Elevated Installation >35' To 40', Add	*136.34*	
		For Elevated Installation >40', Add	*149.97*	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union	2,230.08	204.81
		For Work In Restricted Working Space, Add	*122.88*	
		For Elevated Installation >10' To 15', Add	*40.96*	
		For Elevated Installation >15' To 20', Add	*81.92*	
		For Elevated Installation >20' To 25', Add	*102.40*	
		For Elevated Installation >25' To 30', Add	*143.36*	
		For Elevated Installation >30' To 35', Add	*163.84*	
		For Elevated Installation >35' To 40', Add	*204.81*	
		For Elevated Installation >40', Add	*225.29*	

26 05 33 13-1341 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Reducing Couplings *(26 05 33 13-0848)*

26 05 33 13-1342	EA	3/4" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	54.08	4.84
		For Work In Restricted Working Space, Add	*2.91*	
		For Elevated Installation >10' To 15', Add	*0.97*	
		For Elevated Installation >15' To 20', Add	*1.94*	
		For Elevated Installation >20' To 25', Add	*2.42*	
		For Elevated Installation >25' To 30', Add	*3.39*	
		For Elevated Installation >30' To 35', Add	*3.88*	
		For Elevated Installation >35' To 40', Add	*4.85*	
		For Elevated Installation >40', Add	*5.33*	
26 05 33 13-1343	EA	1" x 1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	59.17	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	
26 05 33 13-1344	EA	1" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	67.46	6.06
		For Work In Restricted Working Space, Add	*3.64*	
		For Elevated Installation >10' To 15', Add	*1.21*	
		For Elevated Installation >15' To 20', Add	*2.42*	
		For Elevated Installation >20' To 25', Add	*3.03*	
		For Elevated Installation >25' To 30', Add	*4.24*	
		For Elevated Installation >30' To 35', Add	*4.85*	
		For Elevated Installation >35' To 40', Add	*6.06*	
		For Elevated Installation >40', Add	*6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1345	EA	1-1/4" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	83.54	6.67
		For Work In Restricted Working Space, Add	*4.00*	
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.67*	
		For Elevated Installation >20' To 25', Add	*3.33*	
		For Elevated Installation >25' To 30', Add	*4.67*	
		For Elevated Installation >30' To 35', Add	*5.33*	
		For Elevated Installation >35' To 40', Add	*6.67*	
		For Elevated Installation >40', Add	*7.33*	
26 05 33 13-1346	EA	1-1/4" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	88.32	6.67
		For Work In Restricted Working Space, Add	*4.00*	
		For Elevated Installation >10' To 15', Add	*1.33*	
		For Elevated Installation >15' To 20', Add	*2.67*	
		For Elevated Installation >20' To 25', Add	*3.33*	
		For Elevated Installation >25' To 30', Add	*4.67*	
		For Elevated Installation >30' To 35', Add	*5.33*	
		For Elevated Installation >35' To 40', Add	*6.67*	
		For Elevated Installation >40', Add	*7.33*	
26 05 33 13-1347	EA	1-1/2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	75.42	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
26 05 33 13-1348	EA	1-1/2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	86.10	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
26 05 33 13-1349	EA	1-1/2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	134.12	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
26 05 33 13-1350	EA	2" x 3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	149.01	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
26 05 33 13-1351	EA	2" x 1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	144.87	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
26 05 33 13-1352	EA	2" x 1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	152.57	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
26 05 33 13-1353	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	171.94	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1354	EA	2-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	170.38	10.90
		For Work In Restricted Working Space, Add	*6.55*	
		For Elevated Installation >10' To 15', Add	*2.18*	
		For Elevated Installation >15' To 20', Add	*4.36*	
		For Elevated Installation >20' To 25', Add	*5.46*	
		For Elevated Installation >25' To 30', Add	*7.64*	
		For Elevated Installation >30' To 35', Add	*8.73*	
		For Elevated Installation >35' To 40', Add	*10.91*	
		For Elevated Installation >40', Add	*12.00*	
26 05 33 13-1355	EA	3" x 2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	216.99	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
26 05 33 13-1356	EA	3-1/2" x 2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	320.50	17.57
		For Work In Restricted Working Space, Add	*10.55*	
		For Elevated Installation >10' To 15', Add	*3.52*	
		For Elevated Installation >15' To 20', Add	*7.03*	
		For Elevated Installation >20' To 25', Add	*8.79*	
		For Elevated Installation >25' To 30', Add	*12.30*	
		For Elevated Installation >30' To 35', Add	*14.06*	
		For Elevated Installation >35' To 40', Add	*17.58*	
		For Elevated Installation >40', Add	*19.33*	
26 05 33 13-1357	EA	4" x 3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	428.65	24.23
		For Work In Restricted Working Space, Add	*14.54*	
		For Elevated Installation >10' To 15', Add	*4.85*	
		For Elevated Installation >15' To 20', Add	*9.70*	
		For Elevated Installation >20' To 25', Add	*12.12*	
		For Elevated Installation >25' To 30', Add	*16.97*	
		For Elevated Installation >30' To 35', Add	*19.39*	
		For Elevated Installation >35' To 40', Add	*24.24*	
		For Elevated Installation >40', Add	*26.66*	
26 05 33 13-1358	EA	5" x 4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Reducing Coupling	535.40	33.33
		For Work In Restricted Working Space, Add	*20.00*	
		For Elevated Installation >10' To 15', Add	*6.67*	
		For Elevated Installation >15' To 20', Add	*13.33*	
		For Elevated Installation >20' To 25', Add	*16.67*	
		For Elevated Installation >25' To 30', Add	*23.33*	
		For Elevated Installation >30' To 35', Add	*26.66*	
		For Elevated Installation >35' To 40', Add	*33.33*	
		For Elevated Installation >40', Add	*36.66*	

26 05 33 13-1359 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples *(26 05 33 13-0848)*

26 05 33 13-1360	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	33.15	7.27
		For Work In Restricted Working Space, Add	*4.36*	
		For Elevated Installation >10' To 15', Add	*1.45*	
		For Elevated Installation >15' To 20', Add	*2.91*	
		For Elevated Installation >20' To 25', Add	*3.64*	
		For Elevated Installation >25' To 30', Add	*5.09*	
		For Elevated Installation >30' To 35', Add	*5.82*	
		For Elevated Installation >35' To 40', Add	*7.27*	
		For Elevated Installation >40', Add	*8.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.36*	
26 05 33 13-1361	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	37.13	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1362	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.04	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1363	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.27	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1364	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.72	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1365	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.76	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1366	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.68	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1367	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.60	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.61*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.52*	
		For Elevated Installation >40', Add	*12.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1368	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	53.99	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1369	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.64	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.58*	
		For Elevated Installation >25' To 30', Add	*10.61*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1370	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	63.55	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1371	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	36.94	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1372	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.85	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1373	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.92	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1374	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	54.34	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1375	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	58.99	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1376	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.46	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1377	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.35	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1378	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.27	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1379	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.52	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1380	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	55.82	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1381	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	60.62	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1382	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.31	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1383	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	94.18	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-1384	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	121.77	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1385	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.53	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1386	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.60	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1387	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	48.87	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1388	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.29	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1389	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.24	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1390	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	70.16	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1391	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	96.69	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-1392	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	127.19	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1393	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	151.82	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.84*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.11*	
		For Elevated Installation >40', Add	*35.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1394	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	177.34	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1395	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	39.86	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1396	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.96	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1397	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.25	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1398	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	57.98	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1399	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	62.96	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1400	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.71	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1401	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	106.71	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-1402	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	135.30	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1403	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	153.55	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.84*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.11*	
		For Elevated Installation >40', Add	*35.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1404	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	181.96	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1405	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	268.11	57.56
		For Work In Restricted Working Space, Add	*34.54*	
		For Elevated Installation >10' To 15', Add	*11.51*	
		For Elevated Installation >15' To 20', Add	*23.02*	
		For Elevated Installation >20' To 25', Add	*28.78*	
		For Elevated Installation >25' To 30', Add	*40.29*	
		For Elevated Installation >30' To 35', Add	*46.05*	
		For Elevated Installation >35' To 40', Add	*57.56*	
		For Elevated Installation >40', Add	*63.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.54*	
26 05 33 13-1406	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	40.49	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1407	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.59	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1408	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	49.94	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1409	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.25	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1410	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.48	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1411	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	73.26	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1412	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	116.88	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-1413	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	146.08	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1414	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	163.26	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.84*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.11*	
		For Elevated Installation >40', Add	*35.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1415	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	198.34	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1416	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	292.59	57.56
		For Work In Restricted Working Space, Add	*34.54*	
		For Elevated Installation >10' To 15', Add	*11.51*	
		For Elevated Installation >15' To 20', Add	*23.02*	
		For Elevated Installation >20' To 25', Add	*28.78*	
		For Elevated Installation >25' To 30', Add	*40.29*	
		For Elevated Installation >30' To 35', Add	*46.05*	
		For Elevated Installation >35' To 40', Add	*57.56*	
		For Elevated Installation >40', Add	*63.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.54*	
26 05 33 13-1417	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	41.49	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1418	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	44.56	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1419	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	51.47	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1420	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	59.58	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1421	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	67.58	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1422	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	80.83	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1423	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	129.39	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-1424	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	160.82	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1425	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	187.56	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.84*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.11*	
		For Elevated Installation >40', Add	*35.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1426	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	222.92	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1427	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	309.36	57.56
		For Work In Restricted Working Space, Add	*34.54*	
		For Elevated Installation >10' To 15', Add	*11.51*	
		For Elevated Installation >15' To 20', Add	*23.02*	
		For Elevated Installation >20' To 25', Add	*28.78*	
		For Elevated Installation >25' To 30', Add	*40.29*	
		For Elevated Installation >30' To 35', Add	*46.05*	
		For Elevated Installation >35' To 40', Add	*57.56*	
		For Elevated Installation >40', Add	*63.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.54*	
26 05 33 13-1428	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	42.53	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1429	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	45.57	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1430	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	52.97	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1431	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	64.16	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	
26 05 33 13-1432	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	74.96	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1433	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	91.97	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1434	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	142.61	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1435	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	179.71	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1436	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	213.09	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.84*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.11*	
		For Elevated Installation >40', Add	*35.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1437	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	265.93	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1438	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	342.84	57.56
		For Work In Restricted Working Space, Add	*34.54*	
		For Elevated Installation >10' To 15', Add	*11.51*	
		For Elevated Installation >15' To 20', Add	*23.02*	
		For Elevated Installation >20' To 25', Add	*28.78*	
		For Elevated Installation >25' To 30', Add	*40.29*	
		For Elevated Installation >30' To 35', Add	*46.05*	
		For Elevated Installation >35' To 40', Add	*57.56*	
		For Elevated Installation >40', Add	*63.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.54*	
26 05 33 13-1439	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	43.60	7.87
		For Work In Restricted Working Space, Add	*4.73*	
		For Elevated Installation >10' To 15', Add	*1.58*	
		For Elevated Installation >15' To 20', Add	*3.15*	
		For Elevated Installation >20' To 25', Add	*3.94*	
		For Elevated Installation >25' To 30', Add	*5.52*	
		For Elevated Installation >30' To 35', Add	*6.30*	
		For Elevated Installation >35' To 40', Add	*7.88*	
		For Elevated Installation >40', Add	*8.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.73*	
26 05 33 13-1440	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	46.77	9.09
		For Work In Restricted Working Space, Add	*5.45*	
		For Elevated Installation >10' To 15', Add	*1.82*	
		For Elevated Installation >15' To 20', Add	*3.63*	
		For Elevated Installation >20' To 25', Add	*4.54*	
		For Elevated Installation >25' To 30', Add	*6.36*	
		For Elevated Installation >30' To 35', Add	*7.27*	
		For Elevated Installation >35' To 40', Add	*9.09*	
		For Elevated Installation >40', Add	*9.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.45*	
26 05 33 13-1441	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	56.78	11.51
		For Work In Restricted Working Space, Add	*6.91*	
		For Elevated Installation >10' To 15', Add	*2.30*	
		For Elevated Installation >15' To 20', Add	*4.60*	
		For Elevated Installation >20' To 25', Add	*5.76*	
		For Elevated Installation >25' To 30', Add	*8.06*	
		For Elevated Installation >30' To 35', Add	*9.21*	
		For Elevated Installation >35' To 40', Add	*11.51*	
		For Elevated Installation >40', Add	*12.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.91*	
26 05 33 13-1442	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	71.68	13.33
		For Work In Restricted Working Space, Add	*8.00*	
		For Elevated Installation >10' To 15', Add	*2.67*	
		For Elevated Installation >15' To 20', Add	*5.33*	
		For Elevated Installation >20' To 25', Add	*6.67*	
		For Elevated Installation >25' To 30', Add	*9.33*	
		For Elevated Installation >30' To 35', Add	*10.66*	
		For Elevated Installation >35' To 40', Add	*13.33*	
		For Elevated Installation >40', Add	*14.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1443	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	83.88	15.15
		For Work In Restricted Working Space, Add	*9.09*	
		For Elevated Installation >10' To 15', Add	*3.03*	
		For Elevated Installation >15' To 20', Add	*6.06*	
		For Elevated Installation >20' To 25', Add	*7.57*	
		For Elevated Installation >25' To 30', Add	*10.60*	
		For Elevated Installation >30' To 35', Add	*12.12*	
		For Elevated Installation >35' To 40', Add	*15.15*	
		For Elevated Installation >40', Add	*16.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.09*	
26 05 33 13-1444	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	100.91	16.96
		For Work In Restricted Working Space, Add	*10.18*	
		For Elevated Installation >10' To 15', Add	*3.39*	
		For Elevated Installation >15' To 20', Add	*6.79*	
		For Elevated Installation >20' To 25', Add	*8.48*	
		For Elevated Installation >25' To 30', Add	*11.88*	
		For Elevated Installation >30' To 35', Add	*13.57*	
		For Elevated Installation >35' To 40', Add	*16.97*	
		For Elevated Installation >40', Add	*18.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.18*	
26 05 33 13-1445	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	160.25	20.60
		For Work In Restricted Working Space, Add	*12.36*	
		For Elevated Installation >10' To 15', Add	*4.12*	
		For Elevated Installation >15' To 20', Add	*8.24*	
		For Elevated Installation >20' To 25', Add	*10.30*	
		For Elevated Installation >25' To 30', Add	*14.42*	
		For Elevated Installation >30' To 35', Add	*16.48*	
		For Elevated Installation >35' To 40', Add	*20.60*	
		For Elevated Installation >40', Add	*22.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.36*	
26 05 33 13-1446	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	208.03	28.48
		For Work In Restricted Working Space, Add	*17.09*	
		For Elevated Installation >10' To 15', Add	*5.70*	
		For Elevated Installation >15' To 20', Add	*11.39*	
		For Elevated Installation >20' To 25', Add	*14.24*	
		For Elevated Installation >25' To 30', Add	*19.93*	
		For Elevated Installation >30' To 35', Add	*22.78*	
		For Elevated Installation >35' To 40', Add	*28.48*	
		For Elevated Installation >40', Add	*31.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.09*	
26 05 33 13-1447	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	228.75	32.12
		For Work In Restricted Working Space, Add	*19.27*	
		For Elevated Installation >10' To 15', Add	*6.42*	
		For Elevated Installation >15' To 20', Add	*12.84*	
		For Elevated Installation >20' To 25', Add	*16.06*	
		For Elevated Installation >25' To 30', Add	*22.48*	
		For Elevated Installation >30' To 35', Add	*25.69*	
		For Elevated Installation >35' To 40', Add	*32.11*	
		For Elevated Installation >40', Add	*35.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.27*	
26 05 33 13-1448	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	279.13	41.81
		For Work In Restricted Working Space, Add	*25.08*	
		For Elevated Installation >10' To 15', Add	*8.36*	
		For Elevated Installation >15' To 20', Add	*16.72*	
		For Elevated Installation >20' To 25', Add	*20.90*	
		For Elevated Installation >25' To 30', Add	*29.26*	
		For Elevated Installation >30' To 35', Add	*33.44*	
		For Elevated Installation >35' To 40', Add	*41.81*	
		For Elevated Installation >40', Add	*45.99*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*25.08*	
26 05 33 13-1449	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple	347.62	57.56
		For Work In Restricted Working Space, Add	*34.54*	
		For Elevated Installation >10' To 15', Add	*11.51*	
		For Elevated Installation >15' To 20', Add	*23.02*	
		For Elevated Installation >20' To 25', Add	*28.78*	
		For Elevated Installation >25' To 30', Add	*40.29*	
		For Elevated Installation >30' To 35', Add	*46.05*	
		For Elevated Installation >35' To 40', Add	*57.56*	
		For Elevated Installation >40', Add	*63.32*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.54*	

26 05 33 13-1450 Aluminum Rigid Conduit (ARC) *(26 05 33 13-0059)*
Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1451 Aluminum Rigid Conduit (ARC) With Threaded Coupling *(26 05 33 13-1450)*
Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1452	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	5.74	1.87
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.70*	
		For Work In Restricted Working Space, Add	*1.40*	
26 05 33 13-1453	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	6.57	2.05
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.54*	
26 05 33 13-1454	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling	7.65	2.24
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.84*	
		For Work In Restricted Working Space, Add	*1.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1455	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	8.74	2.43
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.91*	
		For Work In Restricted Working Space, Add	*1.82*	
26 05 33 13-1456	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	9.86	2.61
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.98*	
		For Work In Restricted Working Space, Add	*1.96*	
26 05 33 13-1457	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	11.91	2.98
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.12*	
		For Work In Restricted Working Space, Add	*2.24*	
26 05 33 13-1458	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	16.35	3.73
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.40*	
		For Work In Restricted Working Space, Add	*2.80*	
26 05 33 13-1459	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling	20.42	4.47
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.68*	
		For Work In Restricted Working Space, Add	*3.35*	
26 05 33 13-1460	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling	25.07	5.60
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.10*	
		For Work In Restricted Working Space, Add	*4.19*	
26 05 33 13-1461	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling	30.85	7.08
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*2.66*	
		For Work In Restricted Working Space, Add	*5.31*	
26 05 33 13-1462	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling	41.18	8.95
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*3.36*	
		For Work In Restricted Working Space, Add	*6.71*	
26 05 33 13-1463	LF	6" Aluminum Rigid Conduit (ARC) With Threaded Coupling	52.71	11.18
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*4.19*	
		For Work In Restricted Working Space, Add	*8.39*	

26 05 33 13-1464 Aluminum 90 Degree Elbows *(26 05 33 13-1450)*

26 05 33 13-1465	EA	1" Aluminum 90 Degree Elbow	35.68	9.70
		For Work In Restricted Working Space, Add	*7.27*	
26 05 33 13-1466	EA	1-1/4" Aluminum 90 Degree Elbow	45.70	11.00
		For Work In Restricted Working Space, Add	*8.25*	
26 05 33 13-1467	EA	1-1/2" Aluminum 90 Degree Elbow	55.91	12.68
		For Work In Restricted Working Space, Add	*9.51*	
26 05 33 13-1468	EA	2" Aluminum 90 Degree Elbow	72.00	14.54
		For Work In Restricted Working Space, Add	*10.91*	
26 05 33 13-1469	EA	2-1/2" Aluminum 90 Degree Elbow	104.35	17.71
		For Work In Restricted Working Space, Add	*13.28*	
26 05 33 13-1470	EA	3" Aluminum 90 Degree Elbow	150.12	22.93
		For Work In Restricted Working Space, Add	*17.20*	
26 05 33 13-1471	EA	3-1/2" Aluminum 90 Degree Elbow	209.04	25.73
		For Work In Restricted Working Space, Add	*19.30*	
26 05 33 13-1472	EA	4" Aluminum 90 Degree Elbow	252.22	32.26
		For Work In Restricted Working Space, Add	*24.19*	
26 05 33 13-1473	EA	5" Aluminum 90 Degree Elbow	638.80	52.58
		For Work In Restricted Working Space, Add	*39.43*	
26 05 33 13-1474	EA	6" Aluminum 90 Degree Elbow	899.60	79.05
		For Work In Restricted Working Space, Add	*59.29*	

26 05 33 13-1475 Aluminum Bushing Set With Locknut *(26 05 33 13-1450)*

26 05 33 13-1476	EA	1/2" Aluminum Bushing Set With Locknut	10.19	3.73
		For Work In Restricted Working Space, Add	*2.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-1477	EA	3/4" Aluminum Bushing Set With Locknut	15.63	4.84
		For Work In Restricted Working Space, Add	*3.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-1478	EA	1" Aluminum Bushing Set With Locknut	15.47	5.97
		For Work In Restricted Working Space, Add	*4.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-1479	EA	1-1/4" Aluminum Bushing Set With Locknut	17.41	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-1480	EA	1-1/2" Aluminum Bushing Set With Locknut	21.32	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-1481	EA	2" Aluminum Bushing Set With Locknut	26.03	9.88
		For Work In Restricted Working Space, Add	*7.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.41*	
26 05 33 13-1482	EA	2-1/2" Aluminum Bushing Set With Locknut	32.09	11.75
		For Work In Restricted Working Space, Add	*8.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.81*	
26 05 33 13-1483	EA	3" Aluminum Bushing Set With Locknut	37.58	13.42
		For Work In Restricted Working Space, Add	*10.07*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.07*	
26 05 33 13-1484	EA	3-1/2" Aluminum Bushing Set With Locknut	40.64	14.54
		For Work In Restricted Working Space, Add	*10.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.91*	
26 05 33 13-1485	EA	4" Aluminum Bushing Set With Locknut	44.29	15.66
		For Work In Restricted Working Space, Add	*11.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1486	EA	5" Aluminum Bushing Set With Locknut	58.64	20.88
		For Work In Restricted Working Space, Add	*15.66*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.66*	
26 05 33 13-1487	EA	6" Aluminum Bushing Set With Locknut	87.13	31.32
		For Work In Restricted Working Space, Add	*23.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.49*	

26 05 33 13-1488 Schedule 40 Polyvinyl Chloride (PVC) Conduit *(26 05 33 13-0059)*

Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-1489 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings *(26 05 33 13-1488)*

Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-1490	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	4.84	1.51
		For Schedule 60, Add	*0.45*	
		For Schedule 80, Add	*0.75*	
26 05 33 13-1491	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	5.56	1.66
		For Schedule 60, Add	*0.56*	
		For Schedule 80, Add	*0.91*	
26 05 33 13-1492	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	6.96	1.94
		For Schedule 60, Add	*0.77*	
		For Schedule 80, Add	*1.22*	
26 05 33 13-1493	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	8.34	2.22
		For Schedule 60, Add	*0.98*	
		For Schedule 80, Add	*1.53*	
26 05 33 13-1494	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	9.82	2.58
		For Schedule 60, Add	*1.16*	
		For Schedule 80, Add	*1.82*	
26 05 33 13-1495	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	11.80	2.96
		For Schedule 60, Add	*1.47*	
		For Schedule 80, Add	*2.28*	
26 05 33 13-1496	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	15.83	3.52
		For Schedule 60, Add	*2.20*	
		For Schedule 80, Add	*3.34*	
26 05 33 13-1497	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	18.56	4.07
		For Schedule 60, Add	*2.61*	
		For Schedule 80, Add	*3.95*	
26 05 33 13-1498	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	22.74	4.81
		For Schedule 60, Add	*3.28*	
		For Schedule 80, Add	*4.95*	
26 05 33 13-1499	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	26.58	5.92
		For Schedule 60, Add	*3.69*	
		For Schedule 80, Add	*5.60*	
26 05 33 13-1500	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	37.98	8.33
		For Schedule 60, Add	*5.33*	
		For Schedule 80, Add	*8.09*	
26 05 33 13-1501	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End	50.42	11.10
		For Schedule 60, Add	*7.06*	
		For Schedule 80, Add	*10.71*	

26 05 33 13-1502 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows *(26 05 33 13-1488)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1503	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	20.04	7.39
		For Schedule 60, Add	*1.31*	
		For Schedule 80, Add	*2.39*	
26 05 33 13-1504	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	22.19	8.14
		For Schedule 60, Add	*1.48*	
		For Schedule 80, Add	*2.68*	
26 05 33 13-1505	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	26.00	9.25
		For Schedule 60, Add	*1.88*	
		For Schedule 80, Add	*3.32*	
26 05 33 13-1506	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	33.76	11.84
		For Schedule 60, Add	*2.52*	
		For Schedule 80, Add	*4.42*	
26 05 33 13-1507	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	42.64	14.80
		For Schedule 60, Add	*3.26*	
		For Schedule 80, Add	*5.67*	
26 05 33 13-1508	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	54.04	18.50
		For Schedule 60, Add	*4.26*	
		For Schedule 80, Add	*7.35*	
26 05 33 13-1509	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	69.30	22.20
		For Schedule 60, Add	*6.23*	
		For Schedule 80, Add	*10.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1510	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	87.31	25.90
		For Schedule 60, Add	*8.88*	
		For Schedule 80, Add	*14.37*	
26 05 33 13-1511	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	109.99	31.45
		For Schedule 60, Add	*11.77*	
		For Schedule 80, Add	*18.84*	
26 05 33 13-1512	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	132.85	37.00
		For Schedule 60, Add	*14.71*	
		For Schedule 80, Add	*23.38*	
26 05 33 13-1513	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	186.73	46.25
		For Schedule 60, Add	*23.56*	
		For Schedule 80, Add	*36.45*	
26 05 33 13-1514	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	229.41	55.50
		For Schedule 60, Add	*29.60*	
		For Schedule 80, Add	*45.61*	
26 05 33 13-1515		Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows *(26 05 33 13-1488)* See CSI section 26 05 33 13-2329 for conduit field bending.		
26 05 33 13-1516	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	20.04	7.39
		For Schedule 60, Add	*1.31*	
		For Schedule 80, Add	*2.39*	
26 05 33 13-1517	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	22.08	8.14
		For Schedule 60, Add	*1.45*	
		For Schedule 80, Add	*2.64*	
26 05 33 13-1518	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	25.85	9.25
		For Schedule 60, Add	*1.84*	
		For Schedule 80, Add	*3.27*	
26 05 33 13-1519	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	33.31	11.84
		For Schedule 60, Add	*2.41*	
		For Schedule 80, Add	*4.26*	
26 05 33 13-1520	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	41.64	14.80
		For Schedule 60, Add	*3.01*	
		For Schedule 80, Add	*5.32*	
26 05 33 13-1521	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	53.51	18.50
		For Schedule 60, Add	*4.13*	
		For Schedule 80, Add	*7.17*	
26 05 33 13-1522	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	68.29	22.20
		For Schedule 60, Add	*5.97*	
		For Schedule 80, Add	*10.03*	
26 05 33 13-1523	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	86.04	25.90
		For Schedule 60, Add	*8.56*	
		For Schedule 80, Add	*13.93*	
26 05 33 13-1524	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	106.42	31.45
		For Schedule 60, Add	*10.88*	
		For Schedule 80, Add	*17.59*	
26 05 33 13-1525	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	129.79	37.00
		For Schedule 60, Add	*13.95*	
		For Schedule 80, Add	*22.30*	
26 05 33 13-1526	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	182.76	46.25
		For Schedule 60, Add	*22.57*	
		For Schedule 80, Add	*35.06*	
26 05 33 13-1527	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow See CSI section 26 05 33 13-2329 for conduit field bending.	217.57	55.50
		For Schedule 60, Add	*26.64*	
		For Schedule 80, Add	*41.46*	
26 05 33 13-1528		Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow *(26 05 33 13-1488)*		
26 05 33 13-1529	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	74.63	23.03
		For Schedule 80, Add	*14.61*	
26 05 33 13-1530	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	87.51	26.66
		For Schedule 80, Add	*17.30*	
26 05 33 13-1531	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	99.05	30.30
		For Schedule 80, Add	*19.52*	
26 05 33 13-1532	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	118.18	33.33
		For Schedule 80, Add	*24.70*	
26 05 33 13-1533	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	155.76	41.81
		For Schedule 80, Add	*33.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1534	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	203.04	56.96
		For Schedule 80, Add	*42.59*	
26 05 33 13-1535	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	245.30	64.23
		For Schedule 80, Add	*53.74*	
26 05 33 13-1536	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow	292.54	83.62
		For Schedule 80, Add	*60.58*	
26 05 33 13-1537		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1538	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	79.88	23.03
		For Schedule 80, Add	*16.45*	
26 05 33 13-1539	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	100.14	26.66
		For Schedule 80, Add	*21.72*	
26 05 33 13-1540	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	117.13	30.30
		For Schedule 80, Add	*25.85*	
26 05 33 13-1541	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	127.13	33.33
		For Schedule 80, Add	*27.83*	
26 05 33 13-1542	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	183.34	41.81
		For Schedule 80, Add	*43.26*	
26 05 33 13-1543	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	243.15	56.96
		For Schedule 80, Add	*56.63*	
26 05 33 13-1544	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	269.99	64.23
		For Schedule 80, Add	*62.38*	
26 05 33 13-1545	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow	322.43	83.62
		For Schedule 80, Add	*71.04*	
26 05 33 13-1546		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1547	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	94.03	23.03
		For Schedule 80, Add	*21.40*	
26 05 33 13-1548	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	106.07	26.66
		For Schedule 80, Add	*23.79*	
26 05 33 13-1549	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	120.61	30.30
		For Schedule 80, Add	*27.07*	
26 05 33 13-1550	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	144.01	33.33
		For Schedule 80, Add	*33.74*	
26 05 33 13-1551	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	193.61	41.81
		For Schedule 80, Add	*46.86*	
26 05 33 13-1552	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	251.77	56.96
		For Schedule 80, Add	*59.64*	
26 05 33 13-1553	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	302.86	64.23
		For Schedule 80, Add	*73.89*	
26 05 33 13-1554	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow	351.95	83.62
		For Schedule 80, Add	*81.38*	
26 05 33 13-1555		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1556	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	96.92	23.03
		For Schedule 80, Add	*22.41*	
26 05 33 13-1557	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	123.61	26.66
		For Schedule 80, Add	*29.93*	
26 05 33 13-1558	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	134.53	30.30
		For Schedule 80, Add	*31.94*	
26 05 33 13-1559	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	144.63	33.33
		For Schedule 80, Add	*33.96*	
26 05 33 13-1560	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	216.24	41.81
		For Schedule 80, Add	*54.78*	
26 05 33 13-1561	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	302.48	56.96
		For Schedule 80, Add	*77.39*	
26 05 33 13-1562	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	349.04	64.23
		For Schedule 80, Add	*90.05*	
26 05 33 13-1563	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	406.64	83.62
		For Schedule 80, Add	*100.52*	
26 05 33 13-1564	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	650.31	136.10
		For Schedule 80, Add	*159.44*	
26 05 33 13-1565	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow	951.30	205.09
		For Schedule 80, Add	*230.55*	
26 05 33 13-1566		**Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow** *(26 05 33 13-1488)*		
26 05 33 13-1567	EA	1" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	108.01	23.03
		For Schedule 80, Add	*26.29*	
26 05 33 13-1568	EA	1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	126.58	26.66
		For Schedule 80, Add	*30.97*	
26 05 33 13-1569	EA	1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	143.46	30.30
		For Schedule 80, Add	*35.06*	
26 05 33 13-1570	EA	2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	175.47	33.33
		For Schedule 80, Add	*44.75*	
26 05 33 13-1571	EA	2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	238.33	41.81
		For Schedule 80, Add	*62.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1572	EA	3" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	338.76	56.96
		For Schedule 80, Add	*90.09*	
26 05 33 13-1573	EA	3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	383.73	64.23
		For Schedule 80, Add	*102.19*	
26 05 33 13-1574	EA	4" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	466.84	83.62
		For Schedule 80, Add	*121.59*	
26 05 33 13-1575	EA	5" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	685.53	136.10
		For Schedule 80, Add	*171.77*	
26 05 33 13-1576	EA	6" Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow	979.81	205.09
		For Schedule 80, Add	*240.53*	

26 05 33 13-1577 Polyvinyl Chloride (PVC) Conduit Female Adapters *(26 05 33 13-1488)*

26 05 33 13-1578	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	13.66	5.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-1579	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	15.76	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-1580	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter	17.97	6.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-1581	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter	20.32	7.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-1582	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	25.10	9.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.94*	
26 05 33 13-1583	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter	30.56	11.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1584	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	42.20	14.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1585	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter	53.34	18.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.88*	
26 05 33 13-1586	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter	69.12	24.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.04*	
26 05 33 13-1587	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter	83.39	29.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-1588	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter	111.46	37.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.75*	
26 05 33 13-1589	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter	138.51	46.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.68*	

26 05 33 13-1590 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug *(26 05 33 13-1488)*

26 05 33 13-1591	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	16.88	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.33*	
26 05 33 13-1592	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	19.14	5.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-1593	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	21.43	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-1594	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	25.76	6.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-1595	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	28.73	7.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-1596	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	34.71	8.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.38*	
26 05 33 13-1597	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	38.78	9.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.22*	
26 05 33 13-1598	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	43.76	11.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1599	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	51.98	12.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.71*	
26 05 33 13-1600	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	57.02	14.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1601	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	73.32	16.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.49*	
26 05 33 13-1602	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug	82.61	18.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.88*	

26 05 33 13-1603 Polyvinyl Chloride (PVC) Conduit Terminal Adapters *(26 05 33 13-1488)*

26 05 33 13-1604	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	14.82	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.27*	
26 05 33 13-1605	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	18.01	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.12*	
26 05 33 13-1606	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	20.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.68*	
26 05 33 13-1607	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	22.63	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.33*	
26 05 33 13-1608	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	24.85	9.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.94*	
26 05 33 13-1609	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	30.22	11.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1610	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	41.52	14.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1611	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	52.39	18.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1612	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	67.91	24.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.04*	
26 05 33 13-1613	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	82.15	29.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.20*	
26 05 33 13-1614	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	109.02	37.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.75*	
26 05 33 13-1615	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter	135.57	46.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.68*	

26 05 33 13-1616 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1617	EA	1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	43.61	14.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1618	EA	3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	50.97	16.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.49*	
26 05 33 13-1619	EA	1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	56.60	18.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.88*	
26 05 33 13-1620	EA	1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	70.28	22.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.65*	
26 05 33 13-1621	EA	1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	86.66	27.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.81*	
26 05 33 13-1622	EA	2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	113.91	33.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.97*	
26 05 33 13-1623	EA	2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	207.58	37.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.75*	
26 05 33 13-1624	EA	3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	220.83	40.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.52*	
26 05 33 13-1625	EA	3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	238.69	46.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.68*	
26 05 33 13-1626	EA	4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover	265.22	53.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.23*	

26 05 33 13-1627 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover *(26 05 33 13-1488)*

26 05 33 13-1628	EA	1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	55.40	18.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	
26 05 33 13-1629	EA	3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	62.30	20.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-1630	EA	1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	67.20	22.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.78*	
26 05 33 13-1631	EA	1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	85.61	26.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	
26 05 33 13-1632	EA	1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	103.27	31.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.77*	
26 05 33 13-1633	EA	2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover	128.35	37.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.97*	

26 05 33 13-1634 Polyvinyl Chloride (PVC) Conduit Expansion Joint *(26 05 33 13-1488)*

26 05 33 13-1635	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	102.72	18.50
26 05 33 13-1636	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	113.40	22.20
26 05 33 13-1637	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint	124.92	25.90
26 05 33 13-1638	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	135.60	29.60
26 05 33 13-1639	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	145.93	33.29
26 05 33 13-1640	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	158.97	37.00
26 05 33 13-1641	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	196.26	42.54
26 05 33 13-1642	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint	236.90	48.09
26 05 33 13-1643	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint	277.79	55.50
26 05 33 13-1644	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint	331.26	64.75
26 05 33 13-1645	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint	442.95	77.69
26 05 33 13-1646	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint	583.85	99.89

26 05 33 13-1647 Polyvinyl Chloride (PVC) Conduit End Caps *(26 05 33 13-1488)*

26 05 33 13-1648	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap	12.21	3.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.78*	
26 05 33 13-1649	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap	14.40	4.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.33*	
26 05 33 13-1650	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap	16.52	5.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-1651	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap	19.93	5.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-1652	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	23.40	6.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-1653	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap	27.93	7.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-1654	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	41.26	8.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.38*	
26 05 33 13-1655	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap	44.99	9.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.22*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1656		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap	58.56	10.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.05*	
26 05 33 13-1657		EA	4" Polyvinyl Chloride (PVC) Conduit End Cap	71.87	11.47
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.60*	
26 05 33 13-1658		EA	5" Polyvinyl Chloride (PVC) Conduit End Cap	83.77	12.95
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.71*	
26 05 33 13-1659		EA	6" Polyvinyl Chloride (PVC) Conduit End Cap	107.06	14.80
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	

26 05 33 13-1660 Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-1488)*

26 05 33 13-1661		EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200)	122.10	33.29
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.97*	
26 05 33 13-1662		EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121)	133.97	22.20
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.65*	
26 05 33 13-1663		EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251)	333.04	37.00
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.75*	
26 05 33 13-1664		EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401)	657.53	53.64
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*40.23*	

26 05 33 13-1665 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-0059)*

Note: Exposed installation. Excludes supporting strap, hanger and fastening.

26 05 33 13-1666 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1665)*

Note: Includes field bending conduit up to and including 1".

26 05 33 13-1667		LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	7.79	1.51
26 05 33 13-1668		LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	8.66	1.66
26 05 33 13-1669		LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	9.63	1.92
26 05 33 13-1670		LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	10.58	2.22
26 05 33 13-1671		LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	11.90	2.58
26 05 33 13-1672		LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	12.97	2.96
26 05 33 13-1673		LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	15.47	3.52
26 05 33 13-1674		LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	18.19	4.07
26 05 33 13-1675		LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	21.04	4.81
26 05 33 13-1676		LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	24.83	5.92
26 05 33 13-1677		LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	33.33	8.33
26 05 33 13-1678		LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit	43.40	11.10

26 05 33 13-1679 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1680		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	92.50	7.39
			For 24" Radius, Add	*6.48*	
			For 36" Radius, Add	*9.25*	
			For 48" Radius, Add	*12.03*	
26 05 33 13-1681		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	103.20	8.14
			For 24" Radius, Add	*7.23*	
			For 36" Radius, Add	*10.32*	
			For 48" Radius, Add	*13.41*	
26 05 33 13-1682		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	106.81	9.25
			For 24" Radius, Add	*7.43*	
			For 36" Radius, Add	*10.68*	
			For 48" Radius, Add	*13.93*	
26 05 33 13-1683		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	114.10	11.84
			For 24" Radius, Add	*7.82*	
			For 36" Radius, Add	*11.41*	
			For 48" Radius, Add	*15.00*	
26 05 33 13-1684		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	122.34	14.80
			For 24" Radius, Add	*8.25*	
			For 36" Radius, Add	*12.23*	
			For 48" Radius, Add	*16.22*	
26 05 33 13-1685		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	143.36	18.50
			For 24" Radius, Add	*9.60*	
			For 36" Radius, Add	*14.34*	
			For 48" Radius, Add	*19.08*	
26 05 33 13-1686		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	171.73	22.20
			For 24" Radius, Add	*11.49*	
			For 36" Radius, Add	*17.17*	
			For 48" Radius, Add	*22.85*	
26 05 33 13-1687		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	204.23	25.90
			For 24" Radius, Add	*13.70*	
			For 36" Radius, Add	*20.42*	
			For 48" Radius, Add	*27.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1688	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	235.54	31.45
		For 24" Radius, Add	*15.70*	
		For 36" Radius, Add	*23.55*	
		For 48" Radius, Add	*31.41*	
26 05 33 13-1689	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	266.84	37.00
		For 24" Radius, Add	*17.70*	
		For 36" Radius, Add	*26.68*	
		For 48" Radius, Add	*35.67*	
26 05 33 13-1690	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	333.55	46.25
		For 24" Radius, Add	*22.13*	
		For 36" Radius, Add	*33.36*	
		For 48" Radius, Add	*44.58*	
26 05 33 13-1691	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows	411.16	55.50
		For 24" Radius, Add	*27.37*	
		For 36" Radius, Add	*41.12*	
		For 48" Radius, Add	*54.86*	
26 05 33 13-1692		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1665)*		
26 05 33 13-1693	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	79.18	7.39
		For 24" Radius, Add	*5.48*	
		For 36" Radius, Add	*7.92*	
		For 48" Radius, Add	*10.36*	
26 05 33 13-1694	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	88.28	8.14
		For 24" Radius, Add	*6.11*	
		For 36" Radius, Add	*8.83*	
		For 48" Radius, Add	*11.54*	
26 05 33 13-1695	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	91.74	9.25
		For 24" Radius, Add	*6.30*	
		For 36" Radius, Add	*9.17*	
		For 48" Radius, Add	*12.05*	
26 05 33 13-1696	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	98.89	11.84
		For 24" Radius, Add	*6.68*	
		For 36" Radius, Add	*9.89*	
		For 48" Radius, Add	*13.10*	
26 05 33 13-1697	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	106.98	14.80
		For 24" Radius, Add	*7.10*	
		For 36" Radius, Add	*10.70*	
		For 48" Radius, Add	*14.30*	
26 05 33 13-1698	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	125.88	18.50
		For 24" Radius, Add	*8.28*	
		For 36" Radius, Add	*12.59*	
		For 48" Radius, Add	*16.89*	
26 05 33 13-1699	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	150.81	22.20
		For 24" Radius, Add	*9.92*	
		For 36" Radius, Add	*15.08*	
		For 48" Radius, Add	*20.24*	
26 05 33 13-1700	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	179.12	25.90
		For 24" Radius, Add	*11.82*	
		For 36" Radius, Add	*17.91*	
		For 48" Radius, Add	*24.01*	
26 05 33 13-1701	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	207.29	31.45
		For 24" Radius, Add	*13.58*	
		For 36" Radius, Add	*20.73*	
		For 48" Radius, Add	*27.88*	
26 05 33 13-1702	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	235.46	37.00
		For 24" Radius, Add	*15.35*	
		For 36" Radius, Add	*23.55*	
		For 48" Radius, Add	*31.74*	
26 05 33 13-1703	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	294.32	46.25
		For 24" Radius, Add	*19.18*	
		For 36" Radius, Add	*29.43*	
		For 48" Radius, Add	*39.68*	
26 05 33 13-1704	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	362.13	55.50
		For 24" Radius, Add	*23.69*	
		For 36" Radius, Add	*36.21*	
		For 48" Radius, Add	*48.73*	
26 05 33 13-1705		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows** *(26 05 33 13-1665)*		
26 05 33 13-1706	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	73.63	6.66
		For 24" Radius, Add	*5.11*	
		For 36" Radius, Add	*7.36*	
		For 48" Radius, Add	*9.62*	
26 05 33 13-1707	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	82.11	7.32
		For 24" Radius, Add	*5.70*	
		For 36" Radius, Add	*8.21*	
		For 48" Radius, Add	*10.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1708	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	85.25	8.33
		For 24" Radius, Add	*5.87*	
		For 36" Radius, Add	*8.53*	
		For 48" Radius, Add	*11.18*	
26 05 33 13-1709	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	91.71	10.65
		For 24" Radius, Add	*6.21*	
		For 36" Radius, Add	*9.17*	
		For 48" Radius, Add	*12.13*	
26 05 33 13-1710	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	99.00	13.32
		For 24" Radius, Add	*6.59*	
		For 36" Radius, Add	*9.90*	
		For 48" Radius, Add	*13.21*	
26 05 33 13-1711	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	116.40	16.65
		For 24" Radius, Add	*7.69*	
		For 36" Radius, Add	*11.64*	
		For 48" Radius, Add	*15.59*	
26 05 33 13-1712	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	139.45	19.98
		For 24" Radius, Add	*9.21*	
		For 36" Radius, Add	*13.95*	
		For 48" Radius, Add	*18.68*	
26 05 33 13-1713	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	165.67	23.31
		For 24" Radius, Add	*10.97*	
		For 36" Radius, Add	*16.57*	
		For 48" Radius, Add	*22.17*	
26 05 33 13-1714	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	191.59	28.30
		For 24" Radius, Add	*12.60*	
		For 36" Radius, Add	*19.16*	
		For 48" Radius, Add	*25.72*	
26 05 33 13-1715	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	217.49	33.29
		For 24" Radius, Add	*14.23*	
		For 36" Radius, Add	*21.75*	
		For 48" Radius, Add	*29.27*	
26 05 33 13-1716	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	271.86	41.62
		For 24" Radius, Add	*17.79*	
		For 36" Radius, Add	*27.19*	
		For 48" Radius, Add	*36.58*	
26 05 33 13-1717	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	334.63	49.95
		For 24" Radius, Add	*21.98*	
		For 36" Radius, Add	*33.46*	
		For 48" Radius, Add	*44.95*	

26 05 33 13-1718 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-1665)*

26 05 33 13-1719	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	69.93	6.66
		For 24" Radius, Add	*4.83*	
		For 36" Radius, Add	*6.99*	
		For 48" Radius, Add	*9.16*	
26 05 33 13-1720	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	77.97	7.32
		For 24" Radius, Add	*5.39*	
		For 36" Radius, Add	*7.80*	
		For 48" Radius, Add	*10.20*	
26 05 33 13-1721	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	81.07	8.33
		For 24" Radius, Add	*5.56*	
		For 36" Radius, Add	*8.11*	
		For 48" Radius, Add	*10.65*	
26 05 33 13-1722	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	87.48	10.65
		For 24" Radius, Add	*5.90*	
		For 36" Radius, Add	*8.75*	
		For 48" Radius, Add	*11.60*	
26 05 33 13-1723	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	94.74	13.32
		For 24" Radius, Add	*6.27*	
		For 36" Radius, Add	*9.47*	
		For 48" Radius, Add	*12.67*	
26 05 33 13-1724	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	111.54	16.65
		For 24" Radius, Add	*7.33*	
		For 36" Radius, Add	*11.15*	
		For 48" Radius, Add	*14.98*	
26 05 33 13-1725	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	133.64	19.98
		For 24" Radius, Add	*8.77*	
		For 36" Radius, Add	*13.36*	
		For 48" Radius, Add	*17.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1726	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	158.70	23.31
		For 24" Radius, Add	*10.45*	
		For 36" Radius, Add	*15.87*	
		For 48" Radius, Add	*21.29*	
26 05 33 13-1727	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	183.74	28.30
		For 24" Radius, Add	*12.01*	
		For 36" Radius, Add	*18.37*	
		For 48" Radius, Add	*24.74*	
26 05 33 13-1728	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	208.77	33.29
		For 24" Radius, Add	*13.58*	
		For 36" Radius, Add	*20.88*	
		For 48" Radius, Add	*28.18*	
26 05 33 13-1729	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	260.97	41.62
		For 24" Radius, Add	*16.97*	
		For 36" Radius, Add	*26.10*	
		For 48" Radius, Add	*35.22*	
26 05 33 13-1730	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	321.00	49.95
		For 24" Radius, Add	*20.95*	
		For 36" Radius, Add	*32.10*	
		For 48" Radius, Add	*43.25*	

26 05 33 13-1731 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1732	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	43.59	5.18
26 05 33 13-1733	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	48.94	5.92
26 05 33 13-1734	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	51.14	6.66
26 05 33 13-1735	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	53.28	7.39
26 05 33 13-1736	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	58.60	9.25
26 05 33 13-1737	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	69.99	11.10
26 05 33 13-1738	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	87.85	14.80
26 05 33 13-1739	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	107.27	18.50
26 05 33 13-1740	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	128.77	24.05
26 05 33 13-1741	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	150.27	29.60
26 05 33 13-1742	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	187.83	37.00
26 05 33 13-1743	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling	234.75	46.25

26 05 33 13-1744 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings *(26 05 33 13-1665)*

26 05 33 13-1745	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	30.24	5.18
26 05 33 13-1746	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	34.01	5.92
26 05 33 13-1747	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	36.06	6.66
26 05 33 13-1748	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	38.12	7.39
26 05 33 13-1749	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	42.94	9.25
26 05 33 13-1750	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	47.68	11.10
26 05 33 13-1751	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	60.92	14.80
26 05 33 13-1752	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	74.96	18.50
26 05 33 13-1753	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	92.42	24.05
26 05 33 13-1754	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	109.88	29.60
26 05 33 13-1755	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	137.39	37.00
26 05 33 13-1756	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling	171.69	46.25

26 05 33 13-1757 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings *(26 05 33 13-1665)*

26 05 33 13-1758	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	34.44	4.26
26 05 33 13-1759	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	38.69	5.92
26 05 33 13-1760	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	40.80	6.66
26 05 33 13-1761	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	42.79	7.39
26 05 33 13-1762	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	47.97	9.25
26 05 33 13-1763	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	57.32	11.10
26 05 33 13-1764	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	72.48	14.80
26 05 33 13-1765	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	88.82	18.50
26 05 33 13-1766	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	108.01	24.05
26 05 33 13-1767	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	127.19	29.60
26 05 33 13-1768	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	158.98	37.00
26 05 33 13-1769	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling	198.75	46.25

26 05 33 13-1770 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1771	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	69.93	18.50
26 05 33 13-1772	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	81.77	22.20
26 05 33 13-1773	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	91.31	25.90
26 05 33 13-1774	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	100.72	29.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1775	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	110.58	33.29
26 05 33 13-1776	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	125.03	37.00
26 05 33 13-1777	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	145.43	42.54
26 05 33 13-1778	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	167.11	48.09
26 05 33 13-1779	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	191.47	55.50
26 05 33 13-1780	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	220.44	64.75
26 05 33 13-1781	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	258.22	73.99
26 05 33 13-1782	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint	299.64	83.24

26 05 33 13-1783 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-1665)*

26 05 33 13-1784	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	79.55	18.50
26 05 33 13-1785	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	92.55	22.20
26 05 33 13-1786	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	102.15	25.90
26 05 33 13-1787	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	111.68	29.60
26 05 33 13-1788	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	121.63	33.29
26 05 33 13-1789	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	137.65	37.00
26 05 33 13-1790	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	160.56	42.54
26 05 33 13-1791	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	185.27	48.09
26 05 33 13-1792	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	211.91	55.50
26 05 33 13-1793	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	243.17	64.75
26 05 33 13-1794	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	286.70	73.99
26 05 33 13-1795	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint	335.23	83.24

26 05 33 13-1796 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-1665)*

26 05 33 13-1797	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	92.13	5.18
26 05 33 13-1798	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	102.76	5.92
26 05 33 13-1799	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	107.31	6.66
26 05 33 13-1800	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	111.98	7.39
26 05 33 13-1801	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	118.05	9.25
26 05 33 13-1802	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	131.71	11.10
26 05 33 13-1803	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	161.78	14.80
26 05 33 13-1804	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	195.90	18.50
26 05 33 13-1805	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	228.48	24.05
26 05 33 13-1806	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	261.07	29.60
26 05 33 13-1807	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	326.41	37.00
26 05 33 13-1808	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter	406.19	46.25

26 05 33 13-1809 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-1665)*

26 05 33 13-1810	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	96.27	18.50
26 05 33 13-1811	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	111.09	22.20
26 05 33 13-1812	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	133.42	25.90
26 05 33 13-1813	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	166.58	29.60
26 05 33 13-1814	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	210.16	33.29
26 05 33 13-1815	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	280.59	37.00
26 05 33 13-1816	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	402.36	42.54
26 05 33 13-1817	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	487.27	48.09
26 05 33 13-1818	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	590.13	55.50
26 05 33 13-1819	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	697.61	64.75
26 05 33 13-1820	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	821.37	73.99
26 05 33 13-1821	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint	1,288.47	83.24

26 05 33 13-1822 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover *(26 05 33 13-1665)*

26 05 33 13-1823	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	81.28	14.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1824	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	94.42	16.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.49*	
26 05 33 13-1825	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	126.76	18.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.88*	
26 05 33 13-1826	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	154.95	22.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.65*	
26 05 33 13-1827	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	197.23	27.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.81*	
26 05 33 13-1828	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	272.67	33.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.97*	
26 05 33 13-1829	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	452.31	38.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1830	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	584.59	44.40
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.30*	
26 05 33 13-1831	EA	3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover	703.71	51.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.85*	
26 05 33 13-1832	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	822.85	59.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.40*	
26 05 33 13-1833	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	971.58	66.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*49.94*	
26 05 33 13-1834	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover	1,102.57	73.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.50*	

26 05 33 13-1835 Explosion Proof Conduit Fittings *(26 05 33 13-0059)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.

26 05 33 13-1836 Explosion Proof Malleable Iron Conduit Unions *(26 05 33 13-1835)*

26 05 33 13-1837	EA	1/2" Explosion Proof Malleable Iron Conduit Union	36.69	7.78
26 05 33 13-1838	EA	3/4" Explosion Proof Malleable Iron Conduit Union	45.23	8.59
26 05 33 13-1839	EA	1" Explosion Proof Malleable Iron Conduit Union	71.76	11.45
26 05 33 13-1840	EA	1-1/4" Explosion Proof Malleable Iron Conduit Union	94.99	12.68
26 05 33 13-1841	EA	1-1/2" Explosion Proof Malleable Iron Conduit Union	119.54	15.54
26 05 33 13-1842	EA	2" Explosion Proof Malleable Iron Conduit Union	148.90	17.99
26 05 33 13-1843	EA	2-1/2" Explosion Proof Malleable Iron Conduit Union	226.59	25.72
26 05 33 13-1844	EA	3" Explosion Proof Malleable Iron Conduit Union	287.99	30.61
26 05 33 13-1845	EA	3-1/2" Explosion Proof Malleable Iron Conduit Union	483.60	36.74
26 05 33 13-1846	EA	4" Explosion Proof Malleable Iron Conduit Union	512.94	46.94

26 05 33 13-1847 Explosion Proof Malleable Iron Conduit Bodies *(26 05 33 13-1835)*

26 05 33 13-1848	EA	1/2" Explosion Proof Malleable Iron Two Hub Conduit Body	129.94	24.54
26 05 33 13-1849	EA	3/4" Explosion Proof Malleable Iron Two Hub Conduit Body	146.46	27.81
26 05 33 13-1850	EA	1" Explosion Proof Malleable Iron Two Hub Conduit Conduit Body	171.53	30.67
26 05 33 13-1851	EA	1/2" Explosion Proof Malleable Iron Three Hub Conduit Body	146.57	30.67
26 05 33 13-1852	EA	3/4" Explosion Proof Malleable Iron Three Hub Conduit Body	174.63	36.81
26 05 33 13-1853	EA	1" Explosion Proof Malleable Iron Three Hub Conduit Body	206.67	42.12

26 05 33 13-1854 Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical *(26 05 33 13-1835)*

Note: Includes sealing gasket and lock nut.

26 05 33 13-1855	EA	1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	107.46	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 05 33 13-1856	EA	3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	109.79	22.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.18*	
26 05 33 13-1857	EA	1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	119.83	24.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.71*	
26 05 33 13-1858	EA	1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	154.05	30.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*23.00*	
26 05 33 13-1859	EA	1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	196.72	35.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.99*	
26 05 33 13-1860	EA	2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	252.93	40.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.68*	
26 05 33 13-1861	EA	2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	359.99	61.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.92*	
26 05 33 13-1862	EA	3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	455.02	76.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.55*	
26 05 33 13-1863	EA	3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	643.15	84.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.37*	
26 05 33 13-1864	EA	4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical	830.25	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.88*	

26 05 33 13-1865 Explosion Proof Flexible Conduit Couplings *(26 05 33 13-1835)*

26 05 33 13-1866	EA	1/2" x 12" Explosion Proof Flexible Conduit Coupling	289.03	9.40
26 05 33 13-1867	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling	378.19	10.63

26 05 33 13-1868 Conduit Installed Below Grade *(26 05 33 13-0058)*

Note: By direct burial In trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.

26 05 33 13-1869 Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial *(26 05 33 13-1868)*

26 05 33 13-1870 Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial *(26 05 33 13-1869)*

Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1871	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.06	
		For Schedule 60, Add	*0.41*	
		For Schedule 80, Add	*0.67*	
26 05 33 13-1872	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	4.64	
		For Schedule 60, Add	*0.51*	
		For Schedule 80, Add	*0.81*	
26 05 33 13-1873	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	5.57	
		For Schedule 60, Add	*0.70*	
		For Schedule 80, Add	*1.08*	
26 05 33 13-1874	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	6.49	
		For Schedule 60, Add	*0.88*	
		For Schedule 80, Add	*1.35*	
26 05 33 13-1875	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	7.28	
		For Schedule 60, Add	*1.03*	
		For Schedule 80, Add	*1.57*	
26 05 33 13-1876	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	8.57	
		For Schedule 60, Add	*1.31*	
		For Schedule 80, Add	*1.96*	
26 05 33 13-1877	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	11.43	
		For Schedule 60, Add	*1.98*	
		For Schedule 80, Add	*2.90*	
26 05 33 13-1878	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	13.02	
		For Schedule 60, Add	*2.33*	
		For Schedule 80, Add	*3.40*	
26 05 33 13-1879	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	15.58	
		For Schedule 60, Add	*2.92*	
		For Schedule 80, Add	*4.24*	
26 05 33 13-1880	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	16.87	
		For Schedule 60, Add	*3.20*	
		For Schedule 80, Add	*4.63*	
26 05 33 13-1881	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	22.49	
		For Schedule 60, Add	*4.56*	
		For Schedule 80, Add	*6.54*	
26 05 33 13-1882	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial	28.23	
		For Schedule 60, Add	*5.95*	
		For Schedule 80, Add	*8.49*	

26 05 33 13-1883 Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

26 05 33 13-1884	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	24.66	
		For Schedule 60, Add	*1.54*	
		For Schedule 80, Add	*2.85*	
26 05 33 13-1885	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	29.58	
		For Schedule 60, Add	*1.85*	
		For Schedule 80, Add	*3.42*	
26 05 33 13-1886	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	35.25	
		For Schedule 60, Add	*2.34*	
		For Schedule 80, Add	*4.25*	
26 05 33 13-1887	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	41.16	
		For Schedule 60, Add	*2.89*	
		For Schedule 80, Add	*5.16*	
26 05 33 13-1888	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	47.26	
		For Schedule 60, Add	*3.49*	
		For Schedule 80, Add	*6.14*	
26 05 33 13-1889	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	54.04	
		For Schedule 60, Add	*4.26*	
		For Schedule 80, Add	*7.35*	
26 05 33 13-1890	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	64.67	
		For Schedule 60, Add	*5.99*	
		For Schedule 80, Add	*9.92*	
26 05 33 13-1891	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	78.06	
		For Schedule 60, Add	*8.42*	
		For Schedule 80, Add	*13.45*	
26 05 33 13-1892	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	96.12	
		For Schedule 60, Add	*11.08*	
		For Schedule 80, Add	*17.45*	
26 05 33 13-1893	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	114.35	
		For Schedule 60, Add	*13.79*	
		For Schedule 80, Add	*21.53*	
26 05 33 13-1894	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	154.36	
		For Schedule 60, Add	*21.94*	
		For Schedule 80, Add	*33.22*	
26 05 33 13-1895	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial	183.16	
		For Schedule 60, Add	*27.29*	
		For Schedule 80, Add	*40.98*	

26 05 33 13-1896 Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial *(26 05 33 13-1869)*

See CSI section 26 05 33 13-2329 for conduit field bending.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1897	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	24.66	
		For Schedule 60, Add	*1.54*	
		For Schedule 80, Add	*2.85*	
26 05 33 13-1898	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	29.47	
		For Schedule 60, Add	*1.82*	
		For Schedule 80, Add	*3.38*	
26 05 33 13-1899	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	35.10	
		For Schedule 60, Add	*2.30*	
		For Schedule 80, Add	*4.19*	
26 05 33 13-1900	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	40.71	
		For Schedule 60, Add	*2.78*	
		For Schedule 80, Add	*5.00*	
26 05 33 13-1901	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	46.26	
		For Schedule 60, Add	*3.24*	
		For Schedule 80, Add	*5.79*	
26 05 33 13-1902	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	53.51	
		For Schedule 60, Add	*4.13*	
		For Schedule 80, Add	*7.17*	
26 05 33 13-1903	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	63.66	
		For Schedule 60, Add	*5.74*	
		For Schedule 80, Add	*9.56*	
26 05 33 13-1904	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	76.79	
		For Schedule 60, Add	*8.10*	
		For Schedule 80, Add	*13.00*	
26 05 33 13-1905	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	92.55	
		For Schedule 60, Add	*10.19*	
		For Schedule 80, Add	*16.21*	
26 05 33 13-1906	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	111.29	
		For Schedule 60, Add	*13.02*	
		For Schedule 80, Add	*20.45*	
26 05 33 13-1907	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	150.39	
		For Schedule 60, Add	*20.95*	
		For Schedule 80, Add	*31.83*	
26 05 33 13-1908	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	171.32	
		For Schedule 60, Add	*24.33*	
		For Schedule 80, Add	*36.84*	

26 05 33 13-1909 Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1910	EA	1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	13.66	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.89*	
26 05 33 13-1911	EA	3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	15.76	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.44*	
26 05 33 13-1912	EA	1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	17.97	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.00*	
26 05 33 13-1913	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	20.32	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.55*	
26 05 33 13-1914	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	22.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.11*	
26 05 33 13-1915	EA	2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	25.02	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.66*	
26 05 33 13-1916	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	30.17	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.49*	
26 05 33 13-1917	EA	3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	34.83	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.32*	
26 05 33 13-1918	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	41.37	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.71*	
26 05 33 13-1919	EA	4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	46.40	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*11.10*	
26 05 33 13-1920	EA	5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	60.59	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.49*	
26 05 33 13-1921	EA	6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	69.15	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.88*	

26 05 33 13-1922 Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1923	EA	1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	16.88	
26 05 33 13-1924	EA	3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	19.14	
26 05 33 13-1925	EA	1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.43	
26 05 33 13-1926	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	27.61	
26 05 33 13-1927	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	30.58	
26 05 33 13-1928	EA	2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	34.71	
26 05 33 13-1929	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	38.78	
26 05 33 13-1930	EA	3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	43.76	
26 05 33 13-1931	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	51.98	
26 05 33 13-1932	EA	4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	57.02	
26 05 33 13-1933	EA	5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	73.32	
26 05 33 13-1934	EA	6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	82.61	

26 05 33 13-1935 Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial *(26 05 33 13-1869)*

26 05 33 13-1936	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	13.54	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1937		EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	15.76	
26 05 33 13-1938		EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	17.81	
26 05 33 13-1939		EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial	20.04	
26 05 33 13-1940		EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	22.08	
26 05 33 13-1941		EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	24.68	
26 05 33 13-1942		EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	29.49	
26 05 33 13-1943		EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	33.88	
26 05 33 13-1944		EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	40.16	
26 05 33 13-1945		EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	45.16	
26 05 33 13-1946		EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	58.15	
26 05 33 13-1947		EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial	66.21	

26 05 33 13-1948 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1868)*

Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).

26 05 33 13-1949 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial *(26 05 33 13-1948)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2319 for field bending >1".

26 05 33 13-1950		LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	11.08	1.96
			For >250 To 500, Deduct	*-0.43*	
			For >1,000, Deduct	*-0.98*	
			For >500 To 1,000, Deduct	*-0.70*	
26 05 33 13-1951		LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	12.49	2.43
			For >250 To 500, Deduct	*-0.48*	
			For >1,000, Deduct	*-1.11*	
			For >500 To 1,000, Deduct	*-0.80*	
26 05 33 13-1952		LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	15.45	2.71
			For >250 To 500, Deduct	*-0.61*	
			For >1,000, Deduct	*-1.38*	
			For >500 To 1,000, Deduct	*-1.00*	
26 05 33 13-1953		LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	18.77	3.63
			For >250 To 500, Deduct	*-0.75*	
			For >1,000, Deduct	*-1.69*	
			For >500 To 1,000, Deduct	*-1.22*	
26 05 33 13-1954		LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	22.14	4.10
			For >250 To 500, Deduct	*-0.90*	
			For >1,000, Deduct	*-2.00*	
			For >500 To 1,000, Deduct	*-1.45*	
26 05 33 13-1955		LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	28.17	4.47
			For >250 To 500, Deduct	*-1.15*	
			For >1,000, Deduct	*-2.56*	
			For >500 To 1,000, Deduct	*-1.86*	
26 05 33 13-1956		LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	41.16	6.71
			For >250 To 500, Deduct	*-1.71*	
			For >1,000, Deduct	*-3.77*	
			For >500 To 1,000, Deduct	*-2.74*	
26 05 33 13-1957		LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	52.92	8.39
			For >250 To 500, Deduct	*-2.18*	
			For >1,000, Deduct	*-4.83*	
			For >500 To 1,000, Deduct	*-3.50*	
26 05 33 13-1958		LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	65.22	8.86
			For >250 To 500, Deduct	*-2.68*	
			For >1,000, Deduct	*-5.94*	
			For >500 To 1,000, Deduct	*-4.31*	
26 05 33 13-1959		LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	77.38	9.79
			For >250 To 500, Deduct	*-3.17*	
			For >1,000, Deduct	*-7.04*	
			For >500 To 1,000, Deduct	*-5.10*	
26 05 33 13-1960		LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	123.01	13.52
			For >250 To 500, Deduct	*-5.26*	
			For >1,000, Deduct	*-11.42*	
			For >500 To 1,000, Deduct	*-8.34*	
26 05 33 13-1961		LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial	164.76	17.71
			For >250 To 500, Deduct	*-7.12*	
			For >1,000, Deduct	*-15.36*	
			For >500 To 1,000, Deduct	*-11.24*	

26 05 33 13-1962 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Couplings, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-1963		EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	11.88	2.80
26 05 33 13-1964		EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	14.03	3.73
26 05 33 13-1965		EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	17.87	4.66
26 05 33 13-1966		EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	20.22	5.13
26 05 33 13-1967		EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	23.97	6.06
26 05 33 13-1968		EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	31.32	6.99
26 05 33 13-1969		EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	59.69	8.39
26 05 33 13-1970		EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	75.42	11.66
26 05 33 13-1971		EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	93.89	13.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1972	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	115.46	18.65
26 05 33 13-1973	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	305.99	25.64
26 05 33 13-1974	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial	313.44	14.45
26 05 33 13-1975		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
		Note: 90, 45, or 30-degree.		
26 05 33 13-1976	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	45.31	11.66
26 05 33 13-1977	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	51.75	14.45
26 05 33 13-1978	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	61.64	17.71
26 05 33 13-1979	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	73.22	20.51
26 05 33 13-1980	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	86.19	23.30
26 05 33 13-1981	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	106.51	25.64
26 05 33 13-1982	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	168.39	32.16
26 05 33 13-1983	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	253.93	43.81
26 05 33 13-1984	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	317.04	49.41
26 05 33 13-1985	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	359.32	64.32
26 05 33 13-1986	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	765.63	104.88
26 05 33 13-1987	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial	1,208.61	157.55
26 05 33 13-1988		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1989	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	113.52	17.71
26 05 33 13-1990	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	127.39	20.51
26 05 33 13-1991	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	145.50	23.30
26 05 33 13-1992	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	174.94	25.64
26 05 33 13-1993	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial	245.85	32.16
26 05 33 13-1994		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-1995	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	127.56	17.71
26 05 33 13-1996	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	150.58	20.51
26 05 33 13-1997	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	162.12	23.30
26 05 33 13-1998	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	211.20	25.64
26 05 33 13-1999	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	280.81	32.16
26 05 33 13-2000	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial	357.59	43.81
26 05 33 13-2001		**Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial** *(26 05 33 13-1948)*		
26 05 33 13-2002	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	144.33	17.71
26 05 33 13-2003	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	162.65	20.51
26 05 33 13-2004	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	183.45	23.30
26 05 33 13-2005	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	223.22	25.64
26 05 33 13-2006	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	320.97	32.16
26 05 33 13-2007	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	404.75	43.81
26 05 33 13-2008	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	514.53	49.41
26 05 33 13-2009	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial	574.49	64.32

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2010		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2011	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	173.31	17.71
26 05 33 13-2012	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	191.00	20.51
26 05 33 13-2013	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	215.64	23.30
26 05 33 13-2014	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	269.56	25.64
26 05 33 13-2015	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	392.86	32.16
26 05 33 13-2016	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	484.65	43.81
26 05 33 13-2017	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	563.32	49.41
26 05 33 13-2018	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	664.05	64.32
26 05 33 13-2019		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2020	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	195.86	17.71
26 05 33 13-2021	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	217.38	20.51
26 05 33 13-2022	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	247.31	23.30
26 05 33 13-2023	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	309.91	25.64
26 05 33 13-2024	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	432.09	32.16
26 05 33 13-2025	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	548.56	43.81
26 05 33 13-2026	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	681.93	49.41
26 05 33 13-2027	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	746.26	64.32
26 05 33 13-2028	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	1,245.58	104.88
26 05 33 13-2029		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2030	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	225.35	17.71
26 05 33 13-2031	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	249.26	20.51
26 05 33 13-2032	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	282.04	23.30
26 05 33 13-2033	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	354.65	25.64
26 05 33 13-2034	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	497.45	32.16
26 05 33 13-2035	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	629.98	43.81
26 05 33 13-2036	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	741.37	49.41
26 05 33 13-2037	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	852.39	64.32
26 05 33 13-2038	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,319.96	104.88
26 05 33 13-2039	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	1,796.35	157.55
26 05 33 13-2040		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2041	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	266.41	17.71
26 05 33 13-2042	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	277.68	20.51
26 05 33 13-2043	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	328.51	23.30
26 05 33 13-2044	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	416.93	25.64
26 05 33 13-2045	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	585.58	32.16
26 05 33 13-2046	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	739.75	43.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2047	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	906.61	49.41
26 05 33 13-2048	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,058.86	64.32
26 05 33 13-2049	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,562.58	104.88
26 05 33 13-2050	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	1,907.72	157.55
26 05 33 13-2051		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2052	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	276.30	17.71
26 05 33 13-2053	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	325.75	20.51
26 05 33 13-2054	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	368.70	23.30
26 05 33 13-2055	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	435.66	25.64
26 05 33 13-2056	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	607.60	32.16
26 05 33 13-2057	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	773.51	43.81
26 05 33 13-2058	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	996.60	49.41
26 05 33 13-2059	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,105.69	64.32
26 05 33 13-2060	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,627.76	104.88
26 05 33 13-2061	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial	1,964.31	157.55
26 05 33 13-2062		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2063	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	88.91	11.66
26 05 33 13-2064	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	95.71	14.45
26 05 33 13-2065	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	124.99	17.71
26 05 33 13-2066	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	185.15	20.51
26 05 33 13-2067	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	220.47	23.30
26 05 33 13-2068	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	282.96	25.64
26 05 33 13-2069	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	377.99	32.16
26 05 33 13-2070	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	496.76	32.16
26 05 33 13-2071	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	635.23	49.41
26 05 33 13-2072	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	817.41	64.32
26 05 33 13-2073	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,497.12	104.88
26 05 33 13-2074	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial	1,848.34	157.55
26 05 33 13-2075		Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial *(26 05 33 13-1948)*		
26 05 33 13-2076	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	91.12	11.66
26 05 33 13-2077	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	104.15	14.45
26 05 33 13-2078	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	129.49	17.71
26 05 33 13-2079	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	193.41	20.51
26 05 33 13-2080	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	231.93	23.30
26 05 33 13-2081	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	307.72	25.64
26 05 33 13-2082	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	430.97	32.16
26 05 33 13-2083	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	550.63	32.16
26 05 33 13-2084	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	732.62	49.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2085	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	914.45	64.32
26 05 33 13-2086	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	1,675.00	104.88
26 05 33 13-2087	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial	2,135.55	157.55

26 05 33 13-2088 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial *(26 05 33 13-1948)*

26 05 33 13-2089	EA	1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	29.79	5.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-2090	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	32.94	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2091	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.72	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2092	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.12	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2093	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.72	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2094	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.12	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2095	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.49	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2096	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.28	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2097	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.84	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2098	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.64	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2099	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.72	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2100	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	33.30	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2101	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.66	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2102	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.61	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2103	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.19	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2104	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.00	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2105	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	56.63	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2106	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.71	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2107	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.08	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2108	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.21	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2109	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	49.67	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2110	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.63	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2111	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.48	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2112	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	84.68	15.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-2113	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	108.63	21.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2114	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	35.89	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2115	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.41	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2116	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.56	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2117	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.14	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2118	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.25	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2119	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.33	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2120	EA	2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	87.19	15.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-2121	EA	3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	114.05	21.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-2122	EA	3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	137.00	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-2123	EA	4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.04	32.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2124	EA	1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.22	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2125	EA	3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.77	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2126	EA	1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.94	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2127	EA	1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.83	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2128	EA	1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.97	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2129	EA	2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	63.88	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2130	EA	2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	97.21	15.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-2131	EA	3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	122.16	21.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-2132	EA	3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	138.73	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-2133	EA	4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	162.66	32.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2134	EA	5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	241.55	44.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	
26 05 33 13-2135	EA	1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	36.85	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2136	EA	3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.40	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2137	EA	1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.63	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2138	EA	1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.10	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2139	EA	1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.49	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2140	EA	2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.43	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2141	EA	2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	107.38	15.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2142	EA	3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.94	21.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-2143	EA	3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	148.44	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-2144	EA	4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	179.04	32.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2145	EA	5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	266.03	44.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	
26 05 33 13-2146	EA	1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	37.85	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2147	EA	3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.37	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2148	EA	1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.16	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2149	EA	1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.43	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2150	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.59	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2151	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.00	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2152	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	119.89	15.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-2153	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	147.68	21.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-2154	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	172.74	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-2155	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	203.62	32.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2156	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	282.80	44.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	
26 05 33 13-2157	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.89	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2158	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.38	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2159	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.66	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2160	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.01	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2161	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.97	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2162	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	84.14	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2163	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	133.11	15.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-2164	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	166.57	21.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-2165	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	198.27	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-2166	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	246.63	32.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2167	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	316.28	44.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	
26 05 33 13-2168	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.96	6.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.64*	
26 05 33 13-2169	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.58	6.99
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2170	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.47	8.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2171	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.53	10.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2172	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	76.89	11.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2173	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	93.08	13.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	
26 05 33 13-2174	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	150.75	15.85
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.51*	
26 05 33 13-2175	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	194.89	21.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.14*	
26 05 33 13-2176	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	213.93	24.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*14.82*	
26 05 33 13-2177	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	259.83	32.16
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.29*	
26 05 33 13-2178	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	321.06	44.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.57*	

26 05 33 13-2179 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-1868)*

Note: Direct burial or encased application.

26 05 33 13-2180 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit *(26 05 33 13-2179)*

Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-2329 for field bending >1".

26 05 33 13-2181	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.01	1.20
		For Work In Restricted Working Space, Add	*0.90*	
26 05 33 13-2182	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	7.74	1.29
		For Work In Restricted Working Space, Add	*0.97*	
26 05 33 13-2183	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.24	1.38
		For Work In Restricted Working Space, Add	*1.04*	
26 05 33 13-2184	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	8.73	1.48
		For Work In Restricted Working Space, Add	*1.11*	
26 05 33 13-2185	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.36	1.57
		For Work In Restricted Working Space, Add	*1.18*	
26 05 33 13-2186	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	9.74	1.66
		For Work In Restricted Working Space, Add	*1.25*	
26 05 33 13-2187	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	11.07	1.75
		For Work In Restricted Working Space, Add	*1.32*	
26 05 33 13-2188	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	12.65	1.85
		For Work In Restricted Working Space, Add	*1.39*	
26 05 33 13-2189	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	13.88	1.94
		For Work In Restricted Working Space, Add	*1.46*	
26 05 33 13-2190	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	15.12	2.03
		For Work In Restricted Working Space, Add	*1.53*	
26 05 33 13-2191	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	17.84	2.12
		For Work In Restricted Working Space, Add	*1.60*	
26 05 33 13-2192	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial	21.21	2.22
		For Work In Restricted Working Space, Add	*1.67*	

26 05 33 13-2193 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows *(26 05 33 13-2179)*

26 05 33 13-2194	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	97.12	9.25
		For Work In Restricted Working Space, Add	*6.94*	
		For 24" Radius, Add	*6.71*	
		For 36" Radius, Add	*9.71*	
		For 48" Radius, Add	*12.72*	
26 05 33 13-2195	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	110.59	11.10
		For Work In Restricted Working Space, Add	*8.32*	
		For 24" Radius, Add	*7.60*	
		For 36" Radius, Add	*11.06*	
		For 48" Radius, Add	*14.52*	
26 05 33 13-2196	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	116.06	12.95
		For Work In Restricted Working Space, Add	*9.71*	
		For 24" Radius, Add	*7.90*	
		For 36" Radius, Add	*11.61*	
		For 48" Radius, Add	*15.32*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2197		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	121.50	14.80
			For Work In Restricted Working Space, Add	*11.10*	
			For 24" Radius, Add	*8.19*	
			For 36" Radius, Add	*12.15*	
			For 48" Radius, Add	*16.11*	
26 05 33 13-2198		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	126.96	16.65
			For Work In Restricted Working Space, Add	*12.49*	
			For 24" Radius, Add	*8.48*	
			For 36" Radius, Add	*12.70*	
			For 48" Radius, Add	*16.91*	
26 05 33 13-2199		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	143.36	18.50
			For Work In Restricted Working Space, Add	*13.88*	
			For 24" Radius, Add	*9.60*	
			For 36" Radius, Add	*14.34*	
			For 48" Radius, Add	*19.08*	
26 05 33 13-2200		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	167.10	20.35
			For Work In Restricted Working Space, Add	*15.26*	
			For 24" Radius, Add	*11.26*	
			For 36" Radius, Add	*16.71*	
			For 48" Radius, Add	*22.16*	
26 05 33 13-2201		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	194.98	22.20
			For Work In Restricted Working Space, Add	*16.65*	
			For 24" Radius, Add	*13.24*	
			For 36" Radius, Add	*19.50*	
			For 48" Radius, Add	*25.76*	
26 05 33 13-2202		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	221.67	25.90
			For Work In Restricted Working Space, Add	*19.43*	
			For 24" Radius, Add	*15.01*	
			For 36" Radius, Add	*22.17*	
			For 48" Radius, Add	*29.33*	
26 05 33 13-2203		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	248.34	33.29
			For Work In Restricted Working Space, Add	*22.20*	
			For 24" Radius, Add	*16.78*	
			For 36" Radius, Add	*24.83*	
			For 48" Radius, Add	*32.89*	
26 05 33 13-2204		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	301.18	33.29
			For Work In Restricted Working Space, Add	*24.97*	
			For 24" Radius, Add	*20.51*	
			For 36" Radius, Add	*30.12*	
			For 48" Radius, Add	*39.73*	
26 05 33 13-2205		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial	364.91	37.00
			For Work In Restricted Working Space, Add	*27.75*	
			For 24" Radius, Add	*25.06*	
			For 36" Radius, Add	*36.49*	
			For 48" Radius, Add	*47.93*	

26 05 33 13-2206 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings *(26 05 33 13-2179)*

26 05 33 13-2207		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	43.59	5.18
			For Work In Restricted Working Space, Add	*3.89*	
26 05 33 13-2208		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	48.94	5.92
			For Work In Restricted Working Space, Add	*4.44*	
26 05 33 13-2209		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	51.14	6.66
			For Work In Restricted Working Space, Add	*5.00*	
26 05 33 13-2210		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	53.28	7.39
			For Work In Restricted Working Space, Add	*5.55*	
26 05 33 13-2211		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	55.83	8.14
			For Work In Restricted Working Space, Add	*6.11*	
26 05 33 13-2212		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	64.45	8.88
			For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-2213		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	75.82	9.99
			For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-2214		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	88.76	11.10
			For Work In Restricted Working Space, Add	*8.32*	
26 05 33 13-2215		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	101.02	12.95
			For Work In Restricted Working Space, Add	*9.71*	
26 05 33 13-2216		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	113.28	14.80
			For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-2217		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	136.96	16.65
			For Work In Restricted Working Space, Add	*12.49*	
26 05 33 13-2218		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial	165.39	18.50
			For Work In Restricted Working Space, Add	*13.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2219		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings** *(26 05 33 13-2179)*		
26 05 33 13-2220	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	30.24	5.18
		For Work In Restricted Working Space, Add	*3.89*	
26 05 33 13-2221	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	34.01	5.92
		For Work In Restricted Working Space, Add	*4.44*	
26 05 33 13-2222	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	36.06	6.66
		For Work In Restricted Working Space, Add	*5.00*	
26 05 33 13-2223	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	38.12	7.39
		For Work In Restricted Working Space, Add	*5.55*	
26 05 33 13-2224	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	40.17	8.14
		For Work In Restricted Working Space, Add	*6.11*	
26 05 33 13-2225	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	42.14	8.88
		For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-2226	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	48.89	9.99
		For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-2227	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	56.45	11.10
		For Work In Restricted Working Space, Add	*8.32*	
26 05 33 13-2228	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	64.67	12.95
		For Work In Restricted Working Space, Add	*9.71*	
26 05 33 13-2229	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	72.89	14.80
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-2230	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	86.52	16.65
		For Work In Restricted Working Space, Add	*12.49*	
26 05 33 13-2231	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial	102.33	18.50
		For Work In Restricted Working Space, Add	*13.88*	
26 05 33 13-2232		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** *(26 05 33 13-2179)*		
26 05 33 13-2233	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	28.88	2.96
		For Work In Restricted Working Space, Add	*2.22*	
26 05 33 13-2234	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	32.22	3.33
		For Work In Restricted Working Space, Add	*2.50*	
26 05 33 13-2235	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	33.40	3.70
		For Work In Restricted Working Space, Add	*2.78*	
26 05 33 13-2236	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	34.46	4.07
		For Work In Restricted Working Space, Add	*3.05*	
26 05 33 13-2237	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	35.95	4.44
		For Work In Restricted Working Space, Add	*3.33*	
26 05 33 13-2238	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	42.53	5.18
		For Work In Restricted Working Space, Add	*3.89*	
26 05 33 13-2239	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	51.20	6.29
		For Work In Restricted Working Space, Add	*4.72*	
26 05 33 13-2240	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	61.07	7.39
		For Work In Restricted Working Space, Add	*5.55*	
26 05 33 13-2241	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	71.01	9.25
		For Work In Restricted Working Space, Add	*6.94*	
26 05 33 13-2242	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	80.94	11.10
		For Work In Restricted Working Space, Add	*8.32*	
26 05 33 13-2243	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	98.86	12.95
		For Work In Restricted Working Space, Add	*9.71*	
26 05 33 13-2244	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial	120.14	14.80
		For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-2245		**Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints** *(26 05 33 13-2179)*		
26 05 33 13-2246	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	69.93	18.50
		For Work In Restricted Working Space, Add	*13.88*	
26 05 33 13-2247	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	81.77	22.20
		For Work In Restricted Working Space, Add	*16.65*	
26 05 33 13-2248	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	91.31	25.90
		For Work In Restricted Working Space, Add	*19.43*	
26 05 33 13-2249	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	100.72	29.60
		For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-2250	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	105.96	31.45
		For Work In Restricted Working Space, Add	*23.59*	
26 05 33 13-2251	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	115.78	33.29
		For Work In Restricted Working Space, Add	*24.97*	
26 05 33 13-2252	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	126.93	35.15
		For Work In Restricted Working Space, Add	*26.36*	
26 05 33 13-2253	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	139.36	37.00
		For Work In Restricted Working Space, Add	*27.75*	
26 05 33 13-2254	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	149.85	38.85
		For Work In Restricted Working Space, Add	*29.14*	
26 05 33 13-2255	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	160.32	40.70
		For Work In Restricted Working Space, Add	*30.52*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2256		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	179.60	42.54
			For Work In Restricted Working Space, Add	*31.91*	
26 05 33 13-2257		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial	202.54	44.40
			For Work In Restricted Working Space, Add	*33.30*	

26 05 33 13-2258 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints *(26 05 33 13-2179)*

26 05 33 13-2259		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	79.55	18.50
			For Work In Restricted Working Space, Add	*13.88*	
26 05 33 13-2260		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	92.55	22.20
			For Work In Restricted Working Space, Add	*16.65*	
26 05 33 13-2261		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	102.15	25.90
			For Work In Restricted Working Space, Add	*19.43*	
26 05 33 13-2262		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	111.68	29.60
			For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-2263		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	117.01	31.45
			For Work In Restricted Working Space, Add	*23.59*	
26 05 33 13-2264		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	128.40	33.29
			For Work In Restricted Working Space, Add	*24.97*	
26 05 33 13-2265		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	142.06	35.15
			For Work In Restricted Working Space, Add	*26.36*	
26 05 33 13-2266		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	157.52	37.00
			For Work In Restricted Working Space, Add	*27.75*	
26 05 33 13-2267		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	170.29	38.85
			For Work In Restricted Working Space, Add	*29.14*	
26 05 33 13-2268		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	183.05	40.70
			For Work In Restricted Working Space, Add	*30.52*	
26 05 33 13-2269		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	208.08	42.54
			For Work In Restricted Working Space, Add	*31.91*	
26 05 33 13-2270		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial	238.13	44.40
			For Work In Restricted Working Space, Add	*33.30*	

26 05 33 13-2271 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters *(26 05 33 13-2179)*

26 05 33 13-2272		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	92.13	5.18
			For Work In Restricted Working Space, Add	*3.89*	
26 05 33 13-2273		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	102.76	5.92
			For Work In Restricted Working Space, Add	*4.44*	
26 05 33 13-2274		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	107.31	6.66
			For Work In Restricted Working Space, Add	*5.00*	
26 05 33 13-2275		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	111.98	7.39
			For Work In Restricted Working Space, Add	*5.55*	
26 05 33 13-2276		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	115.28	8.14
			For Work In Restricted Working Space, Add	*6.11*	
26 05 33 13-2277		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	126.17	8.88
			For Work In Restricted Working Space, Add	*6.66*	
26 05 33 13-2278		EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	149.75	9.99
			For Work In Restricted Working Space, Add	*7.49*	
26 05 33 13-2279		EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	177.39	11.10
			For Work In Restricted Working Space, Add	*8.32*	
26 05 33 13-2280		EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	200.73	12.95
			For Work In Restricted Working Space, Add	*9.71*	
26 05 33 13-2281		EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	224.08	14.80
			For Work In Restricted Working Space, Add	*11.10*	
26 05 33 13-2282		EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	275.54	16.65
			For Work In Restricted Working Space, Add	*12.49*	
26 05 33 13-2283		EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial	336.83	18.50
			For Work In Restricted Working Space, Add	*13.88*	

26 05 33 13-2284 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints *(26 05 33 13-2179)*

26 05 33 13-2285		EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	96.27	18.50
			For Work In Restricted Working Space, Add	*13.88*	
26 05 33 13-2286		EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	111.09	22.20
			For Work In Restricted Working Space, Add	*16.65*	
26 05 33 13-2287		EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	133.42	25.90
			For Work In Restricted Working Space, Add	*19.43*	
26 05 33 13-2288		EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	166.58	29.60
			For Work In Restricted Working Space, Add	*22.20*	
26 05 33 13-2289		EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	205.54	31.45
			For Work In Restricted Working Space, Add	*23.59*	
26 05 33 13-2290		EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	271.34	33.29
			For Work In Restricted Working Space, Add	*24.97*	

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26 05 33 13-2291	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	383.86	35.15
		For Work In Restricted Working Space, Add	*26.36*	
26 05 33 13-2292	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	459.52	37.00
		For Work In Restricted Working Space, Add	*27.75*	
26 05 33 13-2293	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	548.51	38.85
		For Work In Restricted Working Space, Add	*29.14*	
26 05 33 13-2294	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	637.49	40.70
		For Work In Restricted Working Space, Add	*30.52*	
26 05 33 13-2295	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	742.75	42.54
		For Work In Restricted Working Space, Add	*31.91*	
26 05 33 13-2296	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial	1,191.37	44.40
		For Work In Restricted Working Space, Add	*33.30*	

26 05 33 13-2297 Spacers *(26 05 33 13-1868)*

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1868 for conduit.

26 05 33 13-2298	EA	1" Base Spacers, Average 4" Wide, Direct Burial	10.24
26 05 33 13-2299	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial	10.95
26 05 33 13-2300	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial	12.14
26 05 33 13-2301	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial	13.00
26 05 33 13-2302	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial	12.28
26 05 33 13-2303	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	13.10
26 05 33 13-2304	EA	2" Base Spacer, Average 4" Wide, Direct Burial	15.11
26 05 33 13-2305	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial	14.03
26 05 33 13-2306	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial	16.67
26 05 33 13-2307	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	16.14
26 05 33 13-2308	EA	3" Base Spacer, Average 4" Wide, Direct Burial	19.00
26 05 33 13-2309	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial	18.21
26 05 33 13-2310	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial	20.59
26 05 33 13-2311	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial	19.73
26 05 33 13-2312	EA	4" Base Spacer, Average 4" Wide, Direct Burial	21.26
26 05 33 13-2313	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial	20.29
26 05 33 13-2314	EA	5" Base Spacer, Average 4" Wide, Direct Burial	23.52
26 05 33 13-2315	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial	22.37
26 05 33 13-2316	EA	6" Base Spacer, Average 4" Wide, Direct Burial	26.91
26 05 33 13-2317	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial	25.92

26 05 33 13-2318 Conduit Field Bending *(26 05 33 13-0058)*

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

26 05 33 13-2319 Metallic Conduit Field Bending *(26 05 33 13-2318)*

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

26 05 33 13-2320	EA	1-1/4" Metallic Conduit Field Bending	16.86
		For Aluminum Conduit Bending, Add	*11.13*
26 05 33 13-2321	EA	1-1/2" Metallic Conduit Field Bending	21.07
		For Aluminum Conduit Bending, Add	*13.91*
26 05 33 13-2322	EA	2" Metallic Conduit Field Bending	26.34
		For Aluminum Conduit Bending, Add	*17.38*
26 05 33 13-2323	EA	2-1/2" Metallic Conduit Field Bending	36.87
		For Aluminum Conduit Bending, Add	*24.33*
26 05 33 13-2324	EA	3" Metallic Conduit Field Bending	47.41
		For Aluminum Conduit Bending, Add	*31.29*
26 05 33 13-2325	EA	3-1/2" Metallic Conduit Field Bending	63.21
		For Aluminum Conduit Bending, Add	*41.72*
26 05 33 13-2326	EA	4" Metallic Conduit Field Bending	73.75
		For Aluminum Conduit Bending, Add	*48.68*
26 05 33 13-2327	EA	5" Metallic Conduit Field Bending	84.29
		For Aluminum Conduit Bending, Add	*55.63*
26 05 33 13-2328	EA	6" Metallic Conduit Field Bending	100.09
		For Aluminum Conduit Bending, Add	*66.06*

26 05 33 13-2329 Plastic Conduit Field Bending *(26 05 33 13-2318)*

Note: For PVC conduits.

26 05 33 13-2330	EA	1" Plastic Conduit Field Bending	24.23
26 05 33 13-2331	EA	1-1/4" Plastic Conduit Field Bending	26.34
26 05 33 13-2332	EA	1-1/2" Plastic Conduit Field Bending	31.60
26 05 33 13-2333	EA	2" Plastic Conduit Field Bending	42.14
26 05 33 13-2334	EA	2-1/2" Plastic Conduit Field Bending	52.68
26 05 33 13-2335	EA	3" Plastic Conduit Field Bending	63.21
26 05 33 13-2336	EA	3-1/2" Plastic Conduit Field Bending	73.75
26 05 33 13-2337	EA	4" Plastic Conduit Field Bending	84.29
26 05 33 13-2338	EA	5" Plastic Conduit Field Bending	94.81
26 05 33 13-2339	EA	6" Plastic Conduit Field Bending	105.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2340		**Cut And Thread Existing In-Place Threaded Conduit** *(26 05 33 13-0058)* Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-2341	EA	1/2", Cut And Thread Existing In-Place Threaded Conduit	30.67	
		For Work In Restricted Working Space, Add	*9.20*	
26 05 33 13-2342	EA	3/4", Cut And Thread Existing In-Place Threaded Conduit	33.74	
		For Work In Restricted Working Space, Add	*10.12*	
26 05 33 13-2343	EA	1", Cut And Thread Existing In-Place Threaded Conduit	36.81	
		For Work In Restricted Working Space, Add	*11.04*	
26 05 33 13-2344	EA	1-1/4", Cut And Thread Existing In-Place Threaded Conduit	39.87	
		For Work In Restricted Working Space, Add	*11.96*	
26 05 33 13-2345	EA	1-1/2", Cut And Thread Existing In-Place Threaded Conduit	41.92	
		For Work In Restricted Working Space, Add	*12.58*	
26 05 33 13-2346	EA	2", Cut And Thread Existing In-Place Threaded Conduit	43.96	
		For Work In Restricted Working Space, Add	*13.19*	
26 05 33 13-2347	EA	2-1/2", Cut And Thread Existing In-Place Threaded Conduit	46.01	
		For Work In Restricted Working Space, Add	*13.80*	
26 05 33 13-2348	EA	3", Cut And Thread Existing In-Place Threaded Conduit	48.06	
		For Work In Restricted Working Space, Add	*14.42*	
26 05 33 13-2349	EA	3-1/2", Cut And Thread Existing In-Place Threaded Conduit	49.07	
		For Work In Restricted Working Space, Add	*14.72*	
26 05 33 13-2350	EA	4", Cut And Thread Existing In-Place Threaded Conduit	50.10	
		For Work In Restricted Working Space, Add	*15.03*	
26 05 33 13-2351	EA	5", Cut And Thread Existing In-Place Threaded Conduit	52.15	
		For Work In Restricted Working Space, Add	*15.65*	
26 05 33 13-2352	EA	6", Cut And Thread Existing In-Place Threaded Conduit	54.19	
		For Work In Restricted Working Space, Add	*16.26*	
26 05 33 13-2353		**Flexible Conduit** *(26 05 33 13-0058)*		
26 05 33 13-2354		**Flexible Liquid Tight Metallic Conduit And Connectors** *(26 05 33 13-2353)* Note: Steel inner core with PVC cover.		
26 05 33 13-2355		**Flexible Liquid Tight Metallic Conduit** *(26 05 33 13-2354)*		
26 05 33 13-2356	LF	3/8" Flexible Liquid Tight Metallic Conduit	4.22	1.12
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.42*	
		For Work In Restricted Working Space, Add	*0.84*	
26 05 33 13-2357	LF	1/2" Flexible Liquid Tight Metallic Conduit	4.43	1.12
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.42*	
		For Work In Restricted Working Space, Add	*0.84*	
26 05 33 13-2358	LF	3/4" Flexible Liquid Tight Metallic Conduit	5.94	1.49
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 33 13-2359	LF	1" Flexible Liquid Tight Metallic Conduit	7.07	1.49
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.56*	
		For Work In Restricted Working Space, Add	*1.12*	
26 05 33 13-2360	LF	1-1/4" Flexible Liquid Tight Metallic Conduit	9.21	1.87
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.70*	
		For Work In Restricted Working Space, Add	*1.40*	
26 05 33 13-2361	LF	1-1/2" Flexible Liquid Tight Metallic Conduit	11.98	2.24
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.84*	
		For Work In Restricted Working Space, Add	*1.68*	
26 05 33 13-2362	LF	2" Flexible Liquid Tight Metallic Conduit	15.72	2.98
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.12*	
		For Work In Restricted Working Space, Add	*2.24*	
26 05 33 13-2363	LF	2-1/2" Flexible Liquid Tight Metallic Conduit	22.03	3.36
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.26*	
		For Work In Restricted Working Space, Add	*2.52*	
26 05 33 13-2364	LF	3" Flexible Liquid Tight Metallic Conduit	33.19	4.10
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.54*	
		For Work In Restricted Working Space, Add	*3.08*	
26 05 33 13-2365	LF	4" Flexible Liquid Tight Metallic Conduit	45.80	5.22
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.96*	
		For Work In Restricted Working Space, Add	*3.92*	
26 05 33 13-2366		**Straight Liquid Tight Connector** *(26 05 33 13-2354)*		
26 05 33 13-2367	EA	3/8" Straight Liquid Tight Connector	11.51	2.98
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2368	EA	1/2" Straight Liquid Tight Connector	11.51	2.98
		For Work In Restricted Working Space, Add	*2.24*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2369	EA	3/4" Straight Liquid Tight Connector	14.19	3.36
		For Work In Restricted Working Space, Add	*2.52*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.52*	
26 05 33 13-2370	EA	1" Straight Liquid Tight Connector	19.67	3.73
		For Work In Restricted Working Space, Add	*2.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-2371	EA	1-1/4" Straight Liquid Tight Connector	25.89	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2372	EA	1-1/2" Straight Liquid Tight Connector	33.50	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-2373	EA	2" Straight Liquid Tight Connector	47.05	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-2374	EA	2-1/2" Straight Liquid Tight Connector	171.14	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-2375	EA	3" Straight Liquid Tight Connector	222.13	7.08
		For Work In Restricted Working Space, Add	*5.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2376	EA	4" Straight Liquid Tight Connector	270.23	10.44
		For Work In Restricted Working Space, Add	*7.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.83*	

26 05 33 13-2377 90 Degree Angle Liquid Tight Connector *(26 05 33 13-2354)*

26 05 33 13-2378	EA	3/8" 90 Degree Angle Liquid Tight Connector	17.01	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2379	EA	1/2" 90 Degree Angle Liquid Tight Connector	17.88	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2380	EA	3/4" 90 Degree Angle Liquid Tight Connector	20.36	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-2381	EA	1" 90 Degree Angle Liquid Tight Connector	29.74	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-2382	EA	1-1/4" 90 Degree Angle Liquid Tight Connector	38.38	5.60
		For Work In Restricted Working Space, Add	*4.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2383	EA	1-1/2" 90 Degree Angle Liquid Tight Connector	47.32	5.97
		For Work In Restricted Working Space, Add	*4.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-2384	EA	2" 90 Degree Angle Liquid Tight Connector	63.71	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-2385	EA	2-1/2" 90 Degree Angle Liquid Tight Connector	241.23	7.08
		For Work In Restricted Working Space, Add	*5.31*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2386	EA	3" 90 Degree Angle Liquid Tight Connector	285.21	8.20
		For Work In Restricted Working Space, Add	*6.15*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.15*	
26 05 33 13-2387	EA	4" 90 Degree Angle Liquid Tight Connector	392.95	13.05
		For Work In Restricted Working Space, Add	*9.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.79*	

26 05 33 13-2388 45 Degree Angle Connector *(26 05 33 13-2354)*

26 05 33 13-2389	EA	3/8" 45 Degree Angle Liquid Tight Connector	16.72	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2390	EA	1/2" 45 Degree Angle Liquid Tight Connector	16.92	4.10
		For Work In Restricted Working Space, Add	*3.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2391	EA	3/4" 45 Degree Angle Liquid Tight Connector	20.36	4.47
		For Work In Restricted Working Space, Add	*3.35*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-2392	EA	1" 45 Degree Angle Liquid Tight Connector	32.12	5.22
		For Work In Restricted Working Space, Add	*3.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-2393	EA	1-1/4" 45 Degree Angle Liquid Tight Connector	36.84	5.60
		For Work In Restricted Working Space, Add	*4.19*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2394	EA	1-1/2" 45 Degree Angle Liquid Tight Connector	41.57	5.97
		For Work In Restricted Working Space, Add	*4.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	

26 05 33 13-2395 Flexible Metallic Conduit And Connectors *(26 05 33 13-2353)*

26 05 33 13-2396 Flexible Steel Conduit *(26 05 33 13-2395)*

26 05 33 13-2397	LF	3/8" Flexible Metallic Conduit	3.82	1.22
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.45*	
		For Work In Restricted Working Space, Add	*0.90*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.75*	
		For Flexible Aluminum Conduit, Add	*0.14*	
		For Installation In Metal Stud Wall, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2398	LF	1/2" Flexible Metallic Conduit	3.98	1.22
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.46*	
		For Work In Restricted Working Space, Add	*0.92*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.77*	
		For Flexible Aluminum Conduit, Add	*0.15*	
		For Installation In Metal Stud Wall, Add	*0.31*	
26 05 33 13-2399	LF	3/4" Flexible Metallic Conduit	4.57	1.63
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.50*	
		For Work In Restricted Working Space, Add	*1.00*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.83*	
		For Flexible Aluminum Conduit, Add	*0.21*	
		For Installation In Metal Stud Wall, Add	*0.33*	
26 05 33 13-2400	LF	1" Flexible Metallic Conduit	5.90	1.63
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.54*	
		For Work In Restricted Working Space, Add	*1.07*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.89*	
		For Flexible Aluminum Conduit, Add	*0.38*	
		For Installation In Metal Stud Wall, Add	*0.36*	
26 05 33 13-2401	LF	1-1/4" Flexible Metallic Conduit	6.82	2.05
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.57*	
		For Work In Restricted Working Space, Add	*1.13*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.95*	
		For Flexible Aluminum Conduit, Add	*0.50*	
		For Installation In Metal Stud Wall, Add	*0.38*	
26 05 33 13-2402	LF	1-1/2" Flexible Metallic Conduit	9.26	2.45
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.59*	
		For Work In Restricted Working Space, Add	*1.18*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*0.98*	
		For Flexible Aluminum Conduit, Add	*0.88*	
		For Installation In Metal Stud Wall, Add	*0.39*	
26 05 33 13-2403	LF	2" Flexible Metallic Conduit	10.62	3.27
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.61*	
		For Work In Restricted Working Space, Add	*1.22*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.02*	
		For Flexible Aluminum Conduit, Add	*1.08*	
		For Installation In Metal Stud Wall, Add	*0.41*	
26 05 33 13-2404	LF	2-1/2" Flexible Steel Conduit	13.01	3.67
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.77*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.28*	
		For Flexible Aluminum Conduit, Add	*1.31*	
		For Installation In Metal Stud Wall, Add	*0.51*	
26 05 33 13-2405	LF	3" Flexible Metallic Conduit	19.87	4.49
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*0.92*	
		For Work In Restricted Working Space, Add	*1.84*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.53*	
		For Flexible Aluminum Conduit, Add	*2.27*	
		For Installation In Metal Stud Wall, Add	*0.61*	
26 05 33 13-2406	LF	3-1/2" Flexible Metallic Conduit	24.46	4.90
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.07*	
		For Work In Restricted Working Space, Add	*2.14*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*1.79*	
		For Flexible Aluminum Conduit, Add	*2.86*	
		For Installation In Metal Stud Wall, Add	*0.71*	
26 05 33 13-2407	LF	4" Flexible Metallic Conduit	28.15	5.72
		For Installation In Concrete Beam, Slab, etc. (Excludes Concrete), Add	*1.22*	
		For Work In Restricted Working Space, Add	*2.45*	
		For Installation In Wood Stud Wall (Includes Drilling), Add	*2.04*	
		For Flexible Aluminum Conduit, Add	*3.30*	
		For Installation In Metal Stud Wall, Add	*0.82*	

26 05 33 13-2408 Plain Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2409	EA	3/8" Flexible Straight Connectors, Plain	6.70	3.27
		For Work In Restricted Working Space, Add	*1.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	
26 05 33 13-2410	EA	1/2" Flexible Straight Connectors, Plain	8.45	3.67
		For Work In Restricted Working Space, Add	*1.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.53*	
26 05 33 13-2411	EA	3/4" Flexible Straight Connectors, Plain	9.66	4.49
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2412	EA	1" Flexible Straight Connectors, Plain	15.90	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2413	EA	1-1/4" Flexible Straight Connectors, Plain	22.88	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2414	EA	1-1/2" Flexible Straight Connectors, Plain	30.34	6.94
		For Work In Restricted Working Space, Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-2415	EA	2" Flexible Straight Connectors, Plain	40.33	6.94
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2416	EA	2-1/2" Flexible Straight Connectors, Plain	67.01	8.57
		For Work In Restricted Working Space, Add	*5.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.36*	
26 05 33 13-2417	EA	3" Flexible Straight Connectors, Plain	88.55	9.38
		For Work In Restricted Working Space, Add	*6.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 33 13-2418	EA	3-1/2" Flexible Straight Connectors, Plain	286.50	11.02
		For Work In Restricted Working Space, Add	*6.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.89*	
26 05 33 13-2419	EA	4" Flexible Straight Connectors, Plain	358.91	13.47
		For Work In Restricted Working Space, Add	*7.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	

26 05 33 13-2420 Insulated Throat Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2421	EA	1/2" Flexible Straight Connectors, Insulated	9.60	3.67
		For Work In Restricted Working Space, Add	*1.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.53*	
26 05 33 13-2422	EA	3/4" Flexible Straight Connectors, Insulated	11.17	4.49
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2423	EA	1" Flexible Straight Connectors, Insulated	17.96	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2424	EA	1-1/4" Flexible Straight Connectors, Insulated	26.66	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2425	EA	1-1/2" Flexible Straight Connectors, Insulated	37.07	6.13
		For Work In Restricted Working Space, Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-2426	EA	2" Flexible Straight Connectors, Insulated	52.21	6.94
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 33 13-2427	EA	2-1/2" Flexible Straight Connectors, Insulated	92.42	8.57
		For Work In Restricted Working Space, Add	*5.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.36*	
26 05 33 13-2428	EA	3" Flexible Straight Connectors, Insulated	118.51	9.38
		For Work In Restricted Working Space, Add	*6.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 33 13-2429	EA	3-1/2" Flexible Straight Connectors, Insulated	332.67	11.02
		For Work In Restricted Working Space, Add	*6.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.89*	
26 05 33 13-2430	EA	4" Flexible Straight Connectors, Insulated	428.34	13.47
		For Work In Restricted Working Space, Add	*7.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	

26 05 33 13-2431 Plain Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2432	EA	3/8" Flexible 90 Degree Connector, Plain	9.51	4.08
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2433	EA	1/2" Flexible 90 Degree Connector, Plain	12.79	4.49
		For Work In Restricted Working Space, Add	*2.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.14*	
26 05 33 13-2434	EA	3/4" Flexible 90 Degree Connector, Plain	17.01	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2435	EA	1" Flexible 90 Degree Connector, Plain	24.18	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2436	EA	1-1/4" Flexible 90 Degree Connector, Plain	38.76	6.13
		For Work In Restricted Working Space, Add	*3.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.67*	
26 05 33 13-2437	EA	1-1/2" Flexible 90 Degree Connector, Plain	61.66	7.14
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 33 13-2438	EA	2" Flexible 90 Degree Connector, Plain	74.66	8.77
		For Work In Restricted Working Space, Add	*5.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.21*	
26 05 33 13-2439	EA	2-1/2" Flexible 90 Degree Connector, Plain	169.80	9.38
		For Work In Restricted Working Space, Add	*6.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 33 13-2440	EA	3" Flexible 90 Degree Connector, Plain	219.08	11.02
		For Work In Restricted Working Space, Add	*6.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.89*	
26 05 33 13-2441	EA	3-1/2" Flexible 90 Degree Connector, Plain	471.51	13.47
		For Work In Restricted Working Space, Add	*7.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 05 33 13-2442	EA	4" Flexible 90 Degree Connector, Plain	846.74	15.31
		For Work In Restricted Working Space, Add	*9.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	

26 05 33 13-2443 Insulated Throat Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2444	EA	1/2" Flexible 90 Degree Connector, Insulated	14.39	4.49
		For Work In Restricted Working Space, Add	*2.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.14*	
26 05 33 13-2445	EA	3/4" Flexible 90 Degree Connector, Insulated	18.98	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2446	EA	1" Flexible 90 Degree Connector, Insulated	24.18	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2447	EA	1-1/4" Flexible 90 Degree Connector, Insulated	45.77	6.13
		For Work In Restricted Working Space, Add	*3.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.67*	
26 05 33 13-2448	EA	1-1/2" Flexible 90 Degree Connector, Insulated	74.39	7.14
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 33 13-2449	EA	2" Flexible 90 Degree Connector, Insulated	95.36	8.77
		For Work In Restricted Working Space, Add	*5.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.21*	
26 05 33 13-2450	EA	2-1/2" Flexible 90 Degree Connector, Insulated	234.50	9.38
		For Work In Restricted Working Space, Add	*6.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 05 33 13-2451	EA	3" Flexible 90 Degree Connector, Insulated	289.18	11.02
		For Work In Restricted Working Space, Add	*6.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.89*	
26 05 33 13-2452	EA	3-1/2" Flexible 90 Degree Connector, Insulated	789.22	13.47
		For Work In Restricted Working Space, Add	*7.65*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 05 33 13-2453	EA	4" Flexible 90 Degree Connector, Insulated	1,179.50	15.31
		For Work In Restricted Working Space, Add	*9.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	

26 05 33 13-2454 Plain Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2455	EA	3/8" Flexible 45 Degree Connector, Plain	10.80	4.08
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2456	EA	1/2" Flexible 45 Degree Connector, Plain	14.86	4.49
		For Work In Restricted Working Space, Add	*2.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.14*	
26 05 33 13-2457	EA	3/4" Flexible 45 Degree Connector, Plain	19.32	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	

26 05 33 13-2458 Insulated Squeeze Type 45 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2459	EA	3/8" Flexible 45 Degree Connector, Insulated	11.69	4.90
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2460	EA	1/2" Flexible 45 Degree Connector, Insulated	16.32	4.49
		For Work In Restricted Working Space, Add	*2.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.14*	
26 05 33 13-2461	EA	3/4" Flexible 45 Degree Connector, Insulated	21.39	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	

26 05 33 13-2462 Plain Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2463	EA	3/8" Flexible Steel Screw-in Connector, Plain	5.37	3.27
		For Work In Restricted Working Space, Add	*1.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	
26 05 33 13-2464	EA	1/2" Flexible Steel Screw-in Connector, Plain	5.75	3.67
		For Work In Restricted Working Space, Add	*1.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.53*	
26 05 33 13-2465	EA	3/4" Flexible Steel Screw-in Connector, Plain	7.44	4.49
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2466	EA	1" Flexible Steel Screw-in Connector, Plain	10.80	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2467	EA	1-1/4" Flexible Steel Screw-in Connector, Plain	16.39	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2468	EA	1-1/2" Flexible Steel Screw-in Connector, Plain	19.95	6.13
		For Work In Restricted Working Space, Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-2469	EA	2" Flexible Steel Screw-in Connector, Plain	30.25	6.94
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	

26 05 33 13-2470 Insulated Screw-In Connector *(26 05 33 13-2395)*

26 05 33 13-2471	EA	3/8" Flexible Steel Screw-in Connector, Insulated	5.75	3.27
		For Work In Restricted Working Space, Add	*1.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2472	EA	1/2" Flexible Steel Screw-in Connector, Insulated	6.05	3.67
		For Work In Restricted Working Space, Add	*1.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.53*	
26 05 33 13-2473	EA	3/4" Flexible Steel Screw-in Connector, Insulated	8.23	4.49
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2474	EA	1" Flexible Steel Screw-in Connector, Insulated	12.00	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2475	EA	1-1/4" Flexible Steel Screw-in Connector, Insulated	18.09	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2476	EA	1-1/2" Flexible Steel Screw-in Connector, Insulated	21.99	6.13
		For Work In Restricted Working Space, Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-2477	EA	2" Flexible Steel Screw-in Connector, Insulated	32.05	6.94
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	

26 05 33 13-2478 Screw-In Coupling *(26 05 33 13-2395)*

26 05 33 13-2479	EA	1/2" Flexible Steel Screw-in Coupling	6.50	3.67
		For Work In Restricted Working Space, Add	*1.53*	
26 05 33 13-2480	EA	3/4" Flexible Steel Screw-in Coupling	8.68	4.49
		For Work In Restricted Working Space, Add	*1.84*	

26 05 33 13-2481 Flexible To Electrical Metallic Tubing (EMT) Coupling *(26 05 33 13-2395)*

26 05 33 13-2482	EA	3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	9.34	3.27
		For Work In Restricted Working Space, Add	*1.38*	
26 05 33 13-2483	EA	1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	13.02	3.67
		For Work In Restricted Working Space, Add	*1.53*	
26 05 33 13-2484	EA	3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling	17.39	4.49
		For Work In Restricted Working Space, Add	*1.84*	

26 05 33 13-2485 Die Cast Squeeze Type Straight Connector *(26 05 33 13-2395)*

26 05 33 13-2486	EA	3/8" Flexible Straight Connector, Die Cast	5.61	3.27
		For Work In Restricted Working Space, Add	*1.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.38*	
26 05 33 13-2487	EA	1/2" Flexible Straight Connector, Die Cast	6.37	3.67
		For Work In Restricted Working Space, Add	*1.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.53*	
26 05 33 13-2488	EA	3/4" Flexible Straight Connector, Die Cast	7.97	4.49
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2489	EA	1" Flexible Straight Connector, Die Cast	12.27	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2490	EA	1-1/4" Flexible Straight Connector, Die Cast	16.75	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2491	EA	1-1/2" Flexible Straight Connector, Die Cast	23.02	6.13
		For Work In Restricted Working Space, Add	*3.83*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.83*	
26 05 33 13-2492	EA	2" Flexible Straight Connector, Die Cast	30.08	6.94
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	

26 05 33 13-2493 Die Cast Squeeze Type 90 Degree Connector *(26 05 33 13-2395)*

26 05 33 13-2494	EA	3/8" Flexible 90 Degree Connector, Die Cast	7.43	4.08
		For Work In Restricted Working Space, Add	*1.84*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1.84*	
26 05 33 13-2495	EA	1/2" Flexible 90 Degree Connector, Die Cast	9.32	4.49
		For Work In Restricted Working Space, Add	*2.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.14*	
26 05 33 13-2496	EA	3/4" Flexible 90 Degree Connector, Die Cast	11.44	4.90
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2497	EA	1" Flexible 90 Degree Connector, Die Cast	18.88	5.72
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2498	EA	1-1/4" Flexible 90 Degree Connector, Die Cast	27.38	6.13
		For Work In Restricted Working Space, Add	*3.67*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.67*	
26 05 33 13-2499	EA	1-1/2" Flexible 90 Degree Connector, Die Cast	43.56	7.14
		For Work In Restricted Working Space, Add	*4.59*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 05 33 13-2500	EA	2" Flexible 90 Degree Connector, Die Cast	52.34	8.77
		For Work In Restricted Working Space, Add	*5.21*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.21*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2501			**Flexible Liquid Tight Non-Metallic Conduit And Connectors** *(26 05 33 13-2353)*		
26 05 33 13-2502			**Flexible Liquid Tight Non-Metallic Conduit** *(26 05 33 13-2501)*		
26 05 33 13-2503		LF	3/8" Flexible Liquid Tight Non-Metallic Conduit	3.70	1.12
			For Work In Restricted Working Space, Add	*0.84*	
26 05 33 13-2504		LF	1/2" Flexible Liquid Tight Non-Metallic Conduit	3.78	1.12
			For Work In Restricted Working Space, Add	*0.84*	
26 05 33 13-2505		LF	3/4" Flexible Liquid Tight Non-Metallic Conduit	5.08	1.49
			For Work In Restricted Working Space, Add	*1.12*	
26 05 33 13-2506		LF	1" Flexible Liquid Tight Non-Metallic Conduit	6.47	1.49
			For Work In Restricted Working Space, Add	*1.12*	
26 05 33 13-2507		LF	1-1/4" Flexible Liquid Tight Non-Metallic Conduit	8.22	1.87
			For Work In Restricted Working Space, Add	*1.40*	
26 05 33 13-2508		LF	1-1/2" Flexible Liquid Tight Non-Metallic Conduit	10.56	2.24
			For Work In Restricted Working Space, Add	*1.68*	
26 05 33 13-2509		LF	2" Flexible Liquid Tight Non-Metallic Conduit	13.50	2.98
			For Work In Restricted Working Space, Add	*2.24*	
26 05 33 13-2510			**Liquid Tight Non-Metallic Straight Connector** *(26 05 33 13-2501)*		
26 05 33 13-2511		EA	3/8" Liquid Tight Non-Metallic Straight Connector	10.79	2.98
			For Work In Restricted Working Space, Add	*2.24*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2512		EA	1/2" Liquid Tight Non-Metallic Straight Connector	10.79	2.98
			For Work In Restricted Working Space, Add	*2.24*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.24*	
26 05 33 13-2513		EA	3/4" Liquid Tight Non-Metallic Straight Connector	13.32	3.36
			For Work In Restricted Working Space, Add	*2.52*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.52*	
26 05 33 13-2514		EA	1" Liquid Tight Non-Metallic Straight Connector	16.73	3.73
			For Work In Restricted Working Space, Add	*2.80*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 33 13-2515		EA	1-1/4" Liquid Tight Non-Metallic Straight Connector	23.54	4.10
			For Work In Restricted Working Space, Add	*3.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2516		EA	1-1/2" Liquid Tight Non-Metallic Straight Connector	29.68	4.47
			For Work In Restricted Working Space, Add	*3.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-2517		EA	2" Liquid Tight Non-Metallic Straight Connector	46.99	5.22
			For Work In Restricted Working Space, Add	*3.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-2518			**Liquid Tight Non-Metallic 90 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2519		EA	3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector	15.67	4.10
			For Work In Restricted Working Space, Add	*3.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2520		EA	1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	15.67	4.10
			For Work In Restricted Working Space, Add	*3.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2521		EA	3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	19.52	4.47
			For Work In Restricted Working Space, Add	*3.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-2522		EA	1" Liquid Tight Non-Metallic 90 Degree Angle Connector	28.10	5.22
			For Work In Restricted Working Space, Add	*3.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-2523		EA	1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector	28.95	5.60
			For Work In Restricted Working Space, Add	*4.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	
26 05 33 13-2524		EA	1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector	47.01	5.97
			For Work In Restricted Working Space, Add	*4.47*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-2525		EA	2" Liquid Tight Non-Metallic 90 Degree Angle Connector	63.75	6.71
			For Work In Restricted Working Space, Add	*5.03*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-2526			**Liquid Tight Non-Metallic 45 Degree Angle Connector** *(26 05 33 13-2501)*		
26 05 33 13-2527		EA	3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector	15.67	4.10
			For Work In Restricted Working Space, Add	*3.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2528		EA	1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	15.67	4.10
			For Work In Restricted Working Space, Add	*3.08*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.08*	
26 05 33 13-2529		EA	3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	19.52	4.47
			For Work In Restricted Working Space, Add	*3.35*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.35*	
26 05 33 13-2530		EA	1" Liquid Tight Non-Metallic 45 Degree Angle Connector	28.10	5.22
			For Work In Restricted Working Space, Add	*3.92*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.92*	
26 05 33 13-2531		EA	1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector	28.95	5.60
			For Work In Restricted Working Space, Add	*4.19*	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2532	EA	1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector	47.01	5.97
		For Work In Restricted Working Space, Add	*4.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.47*	
26 05 33 13-2533	EA	2" Liquid Tight Non-Metallic 45 Degree Angle Connector	63.75	6.71
		For Work In Restricted Working Space, Add	*5.03*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.03*	
26 05 33 13-2534		**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2353)*		
		Note: Carlon - FLEX-PLUS.		
26 05 33 13-2535		**Blue ENT Electrical Non-Metallic Tubing** *(26 05 33 13-2534)*		
26 05 33 13-2536	LF	1/2" Blue ENT Electrical Non-Metallic Tubing	4.72	1.22
		For Work In Restricted Working Space, Add	*0.92*	
26 05 33 13-2537	LF	3/4" Blue ENT Electrical Non-Metallic Tubing	6.40	1.63
		For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-2538	LF	1" Blue ENT Electrical Non-Metallic Tubing	7.82	1.63
		For Work In Restricted Working Space, Add	*1.22*	
26 05 33 13-2539		**Terminal Adapter** *(26 05 33 13-2534)*		
26 05 33 13-2540	EA	1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	10.89	3.27
		For Work In Restricted Working Space, Add	*2.45*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.45*	
26 05 33 13-2541	EA	3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	14.17	3.67
		For Work In Restricted Working Space, Add	*2.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.75*	
26 05 33 13-2542	EA	1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing	16.63	4.08
		For Work In Restricted Working Space, Add	*3.06*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 05 33 13-2543		**Coupling** *(26 05 33 13-2534)*		
26 05 33 13-2544	EA	1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	10.54	3.27
		For Work In Restricted Working Space, Add	*2.45*	
26 05 33 13-2545	EA	3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	12.27	3.67
		For Work In Restricted Working Space, Add	*2.75*	
26 05 33 13-2546	EA	1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing	14.84	4.08
		For Work In Restricted Working Space, Add	*3.06*	
26 05 33 13-2547		**Metallic Conduit Bodies** *(26 05 33 13-0058)*		
26 05 33 13-2548		**Threaded, Cast Aluminum Conduit Body** *(26 05 33 13-2547)*		
		Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-2549		**Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover** *(26 05 33 13-2548)*		
26 05 33 13-2550	EA	1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	53.62	17.89
		For Work In Restricted Working Space, Add	*13.43*	
		For Elevated Installation >10' To 15', Add	*4.48*	
		For Elevated Installation >15' To 20', Add	*8.95*	
		For Elevated Installation >20' To 25', Add	*11.19*	
		For Elevated Installation >25' To 30', Add	*15.66*	
		For Elevated Installation >30' To 35', Add	*17.90*	
		For Elevated Installation >35' To 40', Add	*22.38*	
		For Elevated Installation >40', Add	*24.61*	
		For Mogul LB, Add	*4.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.43*	
26 05 33 13-2551	EA	3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.32	20.51
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Mogul LB, Add	*6.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2552	EA	1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	76.81	23.86
		For Work In Restricted Working Space, Add	*17.90*	
		For Elevated Installation >10' To 15', Add	*5.97*	
		For Elevated Installation >15' To 20', Add	*11.93*	
		For Elevated Installation >20' To 25', Add	*14.92*	
		For Elevated Installation >25' To 30', Add	*20.88*	
		For Elevated Installation >30' To 35', Add	*23.86*	
		For Elevated Installation >35' To 40', Add	*29.83*	
		For Elevated Installation >40', Add	*32.81*	
		For Mogul LB, Add	*9.88*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2553	EA	1-1/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	93.67	27.22
		For Work In Restricted Working Space, Add	*20.42*	
		For Elevated Installation >10' To 15', Add	*6.81*	
		For Elevated Installation >15' To 20', Add	*13.61*	
		For Elevated Installation >20' To 25', Add	*17.02*	
		For Elevated Installation >25' To 30', Add	*23.82*	
		For Elevated Installation >30' To 35', Add	*27.22*	
		For Elevated Installation >35' To 40', Add	*34.03*	
		For Elevated Installation >40', Add	*37.43*	
		For Mogul LB, Add	*15.80*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.42*	
26 05 33 13-2554	EA	1-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	107.61	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Mogul LB, Add	*21.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-2555	EA	2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	142.85	35.80
		For Work In Restricted Working Space, Add	*26.85*	
		For Elevated Installation >10' To 15', Add	*8.95*	
		For Elevated Installation >15' To 20', Add	*17.90*	
		For Elevated Installation >20' To 25', Add	*22.37*	
		For Elevated Installation >25' To 30', Add	*31.32*	
		For Elevated Installation >30' To 35', Add	*35.80*	
		For Elevated Installation >35' To 40', Add	*44.75*	
		For Elevated Installation >40', Add	*49.22*	
		For Mogul LB, Add	*35.55*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2556	EA	2-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	243.95	50.34
		For Work In Restricted Working Space, Add	*37.76*	
		For Elevated Installation >10' To 15', Add	*12.59*	
		For Elevated Installation >15' To 20', Add	*25.17*	
		For Elevated Installation >20' To 25', Add	*31.46*	
		For Elevated Installation >25' To 30', Add	*44.05*	
		For Elevated Installation >30' To 35', Add	*50.34*	
		For Elevated Installation >35' To 40', Add	*62.93*	
		For Elevated Installation >40', Add	*69.22*	
		For Mogul LB, Add	*82.28*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.76*	
26 05 33 13-2557	EA	3" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	320.29	67.12
		For Work In Restricted Working Space, Add	*50.34*	
		For Elevated Installation >10' To 15', Add	*16.78*	
		For Elevated Installation >15' To 20', Add	*33.56*	
		For Elevated Installation >20' To 25', Add	*41.95*	
		For Elevated Installation >25' To 30', Add	*58.73*	
		For Elevated Installation >30' To 35', Add	*67.12*	
		For Elevated Installation >35' To 40', Add	*83.90*	
		For Elevated Installation >40', Add	*92.29*	
		For Mogul LB, Add	*105.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 05 33 13-2558	EA	3-1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	427.83	83.90
		For Work In Restricted Working Space, Add	*62.92*	
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
		For Mogul LB, Add	*153.08*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2559	EA	4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	558.46	102.17
		For Work In Restricted Working Space, Add	*76.63*	
		For Elevated Installation >10' To 15', Add	*25.54*	
		For Elevated Installation >15' To 20', Add	*51.08*	
		For Elevated Installation >20' To 25', Add	*63.86*	
		For Elevated Installation >25' To 30', Add	*89.40*	
		For Elevated Installation >30' To 35', Add	*102.17*	
		For Elevated Installation >35' To 40', Add	*127.71*	
		For Elevated Installation >40', Add	*140.48*	
		For Mogul LB, Add	*214.51*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.63*	

26 05 33 13-2560 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2561	EA	1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	54.70	17.89
		For Work In Restricted Working Space, Add	*13.43*	
		For Elevated Installation >10' To 15', Add	*4.48*	
		For Elevated Installation >15' To 20', Add	*8.95*	
		For Elevated Installation >20' To 25', Add	*11.19*	
		For Elevated Installation >25' To 30', Add	*15.66*	
		For Elevated Installation >30' To 35', Add	*17.90*	
		For Elevated Installation >35' To 40', Add	*22.38*	
		For Elevated Installation >40', Add	*24.61*	
		For Mogul LB, Add	*5.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.43*	
26 05 33 13-2562	EA	3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	64.37	20.51
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Mogul LB, Add	*7.26*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2563	EA	1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	78.93	23.86
		For Work In Restricted Working Space, Add	*17.90*	
		For Elevated Installation >10' To 15', Add	*5.97*	
		For Elevated Installation >15' To 20', Add	*11.93*	
		For Elevated Installation >20' To 25', Add	*14.92*	
		For Elevated Installation >25' To 30', Add	*20.88*	
		For Elevated Installation >30' To 35', Add	*23.86*	
		For Elevated Installation >35' To 40', Add	*29.83*	
		For Elevated Installation >40', Add	*32.81*	
		For Mogul LB, Add	*11.47*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.90*	
26 05 33 13-2564	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	96.25	27.22
		For Work In Restricted Working Space, Add	*20.42*	
		For Elevated Installation >10' To 15', Add	*6.81*	
		For Elevated Installation >15' To 20', Add	*13.61*	
		For Elevated Installation >20' To 25', Add	*17.02*	
		For Elevated Installation >25' To 30', Add	*23.82*	
		For Elevated Installation >30' To 35', Add	*27.22*	
		For Elevated Installation >35' To 40', Add	*34.03*	
		For Elevated Installation >40', Add	*37.43*	
		For Mogul LB, Add	*17.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.42*	
26 05 33 13-2565	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	112.00	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Mogul LB, Add	*24.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-2566	EA	2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	152.29	35.80
		For Work In Restricted Working Space, Add	*26.85*	
		For Elevated Installation >10' To 15', Add	*8.95*	
		For Elevated Installation >15' To 20', Add	*17.90*	
		For Elevated Installation >20' To 25', Add	*22.37*	
		For Elevated Installation >25' To 30', Add	*31.32*	
		For Elevated Installation >30' To 35', Add	*35.80*	
		For Elevated Installation >35' To 40', Add	*44.75*	
		For Elevated Installation >40', Add	*49.22*	
		For Mogul LB, Add	*42.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2567	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	239.19	50.34
		For Work In Restricted Working Space, Add	*37.76*	
		For Elevated Installation >10' To 15', Add	*12.59*	
		For Elevated Installation >15' To 20', Add	*25.17*	
		For Elevated Installation >20' To 25', Add	*31.46*	
		For Elevated Installation >25' To 30', Add	*44.05*	
		For Elevated Installation >30' To 35', Add	*50.34*	
		For Elevated Installation >35' To 40', Add	*62.93*	
		For Elevated Installation >40', Add	*69.22*	
		For Mogul LB, Add	*78.71*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2568	EA	3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	304.28	67.12
		For Work In Restricted Working Space, Add	*50.34*	
		For Elevated Installation >10' To 15', Add	*16.78*	
		For Elevated Installation >15' To 20', Add	*33.56*	
		For Elevated Installation >20' To 25', Add	*41.95*	
		For Elevated Installation >25' To 30', Add	*58.73*	
		For Elevated Installation >30' To 35', Add	*67.12*	
		For Elevated Installation >35' To 40', Add	*83.90*	
		For Elevated Installation >40', Add	*92.29*	
		For Mogul LB, Add	*93.97*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 05 33 13-2569	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	441.46	83.90
		For Work In Restricted Working Space, Add	*62.92*	
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
		For Mogul LB, Add	*163.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2570	EA	4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	586.35	102.17
		For Work In Restricted Working Space, Add	*76.63*	
		For Elevated Installation >10' To 15', Add	*25.54*	
		For Elevated Installation >15' To 20', Add	*51.08*	
		For Elevated Installation >20' To 25', Add	*63.86*	
		For Elevated Installation >25' To 30', Add	*89.40*	
		For Elevated Installation >30' To 35', Add	*102.17*	
		For Elevated Installation >35' To 40', Add	*127.71*	
		For Elevated Installation >40', Add	*140.48*	
		For Mogul LB, Add	*235.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.63*	
26 05 33 13-2571		Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*		
26 05 33 13-2572	EA	1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	63.03	20.51
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2573	EA	3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	74.80	23.86
		For Work In Restricted Working Space, Add	*17.90*	
		For Elevated Installation >10' To 15', Add	*5.97*	
		For Elevated Installation >15' To 20', Add	*11.93*	
		For Elevated Installation >20' To 25', Add	*14.92*	
		For Elevated Installation >25' To 30', Add	*20.88*	
		For Elevated Installation >30' To 35', Add	*23.86*	
		For Elevated Installation >35' To 40', Add	*29.83*	
		For Elevated Installation >40', Add	*32.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.90*	
26 05 33 13-2574	EA	1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	86.69	26.10
		For Work In Restricted Working Space, Add	*19.58*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	
26 05 33 13-2575	EA	1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	107.05	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-2576	EA	1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	124.26	32.81
		For Work In Restricted Working Space, Add	*24.61*	
		For Elevated Installation >10' To 15', Add	*8.20*	
		For Elevated Installation >15' To 20', Add	*16.41*	
		For Elevated Installation >20' To 25', Add	*20.51*	
		For Elevated Installation >25' To 30', Add	*28.71*	
		For Elevated Installation >30' To 35', Add	*32.82*	
		For Elevated Installation >35' To 40', Add	*41.02*	
		For Elevated Installation >40', Add	*45.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2577	EA	2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	168.23	38.41
		For Work In Restricted Working Space, Add	*28.81*	
		For Elevated Installation >10' To 15', Add	*9.60*	
		For Elevated Installation >15' To 20', Add	*19.20*	
		For Elevated Installation >20' To 25', Add	*24.01*	
		For Elevated Installation >25' To 30', Add	*33.61*	
		For Elevated Installation >30' To 35', Add	*38.41*	
		For Elevated Installation >35' To 40', Add	*48.01*	
		For Elevated Installation >40', Add	*52.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.81*	
26 05 33 13-2578	EA	2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	267.42	55.93
		For Work In Restricted Working Space, Add	*41.95*	
		For Elevated Installation >10' To 15', Add	*13.98*	
		For Elevated Installation >15' To 20', Add	*27.97*	
		For Elevated Installation >20' To 25', Add	*34.96*	
		For Elevated Installation >25' To 30', Add	*48.94*	
		For Elevated Installation >30' To 35', Add	*55.93*	
		For Elevated Installation >35' To 40', Add	*69.92*	
		For Elevated Installation >40', Add	*76.91*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.95*	
26 05 33 13-2579	EA	3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	345.33	72.71
		For Work In Restricted Working Space, Add	*54.53*	
		For Elevated Installation >10' To 15', Add	*18.18*	
		For Elevated Installation >15' To 20', Add	*36.36*	
		For Elevated Installation >20' To 25', Add	*45.45*	
		For Elevated Installation >25' To 30', Add	*63.62*	
		For Elevated Installation >30' To 35', Add	*72.71*	
		For Elevated Installation >35' To 40', Add	*90.89*	
		For Elevated Installation >40', Add	*99.98*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.53*	
26 05 33 13-2580	EA	3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	563.41	89.49
		For Work In Restricted Working Space, Add	*67.12*	
		For Elevated Installation >10' To 15', Add	*22.37*	
		For Elevated Installation >15' To 20', Add	*44.74*	
		For Elevated Installation >20' To 25', Add	*55.93*	
		For Elevated Installation >25' To 30', Add	*78.30*	
		For Elevated Installation >30' To 35', Add	*89.49*	
		For Elevated Installation >35' To 40', Add	*111.86*	
		For Elevated Installation >40', Add	*123.05*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.12*	
26 05 33 13-2581	EA	4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover	643.42	107.77
		For Work In Restricted Working Space, Add	*80.82*	
		For Elevated Installation >10' To 15', Add	*26.94*	
		For Elevated Installation >15' To 20', Add	*53.88*	
		For Elevated Installation >20' To 25', Add	*67.35*	
		For Elevated Installation >25' To 30', Add	*94.29*	
		For Elevated Installation >30' To 35', Add	*107.76*	
		For Elevated Installation >35' To 40', Add	*134.70*	
		For Elevated Installation >40', Add	*148.17*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*80.82*	
26 05 33 13-2582		Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*		
26 05 33 13-2583	EA	1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	54.92	17.89
		For Work In Restricted Working Space, Add	*13.43*	
		For Elevated Installation >10' To 15', Add	*4.48*	
		For Elevated Installation >15' To 20', Add	*8.95*	
		For Elevated Installation >20' To 25', Add	*11.19*	
		For Elevated Installation >25' To 30', Add	*15.66*	
		For Elevated Installation >30' To 35', Add	*17.90*	
		For Elevated Installation >35' To 40', Add	*22.38*	
		For Elevated Installation >40', Add	*24.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.43*	
26 05 33 13-2584	EA	3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	63.62	20.51
		For Work In Restricted Working Space, Add	*15.38*	
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2585	EA	1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	77.14	23.49
		For Work In Restricted Working Space, Add	*17.62*	
		For Elevated Installation >10' To 15', Add	*5.87*	
		For Elevated Installation >15' To 20', Add	*11.75*	
		For Elevated Installation >20' To 25', Add	*14.68*	
		For Elevated Installation >25' To 30', Add	*20.56*	
		For Elevated Installation >30' To 35', Add	*23.49*	
		For Elevated Installation >35' To 40', Add	*29.37*	
		For Elevated Installation >40', Add	*32.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2586	EA	1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	95.22	27.22
		For Work In Restricted Working Space, Add	*20.42*	
		For Elevated Installation >10' To 15', Add	*6.81*	
		For Elevated Installation >15' To 20', Add	*13.61*	
		For Elevated Installation >20' To 25', Add	*17.02*	
		For Elevated Installation >25' To 30', Add	*23.82*	
		For Elevated Installation >30' To 35', Add	*27.22*	
		For Elevated Installation >35' To 40', Add	*34.03*	
		For Elevated Installation >40', Add	*37.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.42*	
26 05 33 13-2587	EA	1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	106.89	29.83
		For Work In Restricted Working Space, Add	*22.37*	
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-2588	EA	2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	142.93	35.80
		For Work In Restricted Working Space, Add	*26.85*	
		For Elevated Installation >10' To 15', Add	*8.95*	
		For Elevated Installation >15' To 20', Add	*17.90*	
		For Elevated Installation >20' To 25', Add	*22.37*	
		For Elevated Installation >25' To 30', Add	*31.32*	
		For Elevated Installation >30' To 35', Add	*35.80*	
		For Elevated Installation >35' To 40', Add	*44.75*	
		For Elevated Installation >40', Add	*49.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2589	EA	2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	235.18	50.34
		For Work In Restricted Working Space, Add	*37.76*	
		For Elevated Installation >10' To 15', Add	*12.59*	
		For Elevated Installation >15' To 20', Add	*25.17*	
		For Elevated Installation >20' To 25', Add	*31.46*	
		For Elevated Installation >25' To 30', Add	*44.05*	
		For Elevated Installation >30' To 35', Add	*50.34*	
		For Elevated Installation >35' To 40', Add	*62.93*	
		For Elevated Installation >40', Add	*69.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.76*	
26 05 33 13-2590	EA	3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	301.72	67.12
		For Work In Restricted Working Space, Add	*50.34*	
		For Elevated Installation >10' To 15', Add	*16.78*	
		For Elevated Installation >15' To 20', Add	*33.56*	
		For Elevated Installation >20' To 25', Add	*41.95*	
		For Elevated Installation >25' To 30', Add	*58.73*	
		For Elevated Installation >30' To 35', Add	*67.12*	
		For Elevated Installation >35' To 40', Add	*83.90*	
		For Elevated Installation >40', Add	*92.29*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 05 33 13-2591	EA	3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	433.26	83.90
		For Work In Restricted Working Space, Add	*62.92*	
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2592	EA	4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover	561.02	102.17
		For Work In Restricted Working Space, Add	*76.63*	
		For Elevated Installation >10' To 15', Add	*25.54*	
		For Elevated Installation >15' To 20', Add	*51.08*	
		For Elevated Installation >20' To 25', Add	*63.86*	
		For Elevated Installation >25' To 30', Add	*89.40*	
		For Elevated Installation >30' To 35', Add	*102.17*	
		For Elevated Installation >35' To 40', Add	*127.71*	
		For Elevated Installation >40', Add	*140.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.63*	

26 05 33 13-2593 Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2548)*

26 05 33 13-2594	EA	1/2"Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	73.17	23.49
		For Work In Restricted Working Space, Add	*17.62*	
		For Elevated Installation >10' To 15', Add	*5.87*	
		For Elevated Installation >15' To 20', Add	*11.75*	
		For Elevated Installation >20' To 25', Add	*14.68*	
		For Elevated Installation >25' To 30', Add	*20.56*	
		For Elevated Installation >30' To 35', Add	*23.49*	
		For Elevated Installation >35' To 40', Add	*29.37*	
		For Elevated Installation >40', Add	*32.30*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2595	EA	3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	84.79	26.10
		For Work In Restricted Working Space, Add	*19.58*	
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	
26 05 33 13-2596	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	104.82	28.72
		For Work In Restricted Working Space, Add	*21.53*	
		For Elevated Installation >10' To 15', Add	*7.18*	
		For Elevated Installation >15' To 20', Add	*14.36*	
		For Elevated Installation >20' To 25', Add	*17.95*	
		For Elevated Installation >25' To 30', Add	*25.12*	
		For Elevated Installation >30' To 35', Add	*28.71*	
		For Elevated Installation >35' To 40', Add	*35.89*	
		For Elevated Installation >40', Add	*39.48*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.53*	
26 05 33 13-2597	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	120.94	32.81
		For Work In Restricted Working Space, Add	*24.61*	
		For Elevated Installation >10' To 15', Add	*8.20*	
		For Elevated Installation >15' To 20', Add	*16.41*	
		For Elevated Installation >20' To 25', Add	*20.51*	
		For Elevated Installation >25' To 30', Add	*28.71*	
		For Elevated Installation >30' To 35', Add	*32.82*	
		For Elevated Installation >35' To 40', Add	*41.02*	
		For Elevated Installation >40', Add	*45.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.61*	
26 05 33 13-2598	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	157.62	35.80
		For Work In Restricted Working Space, Add	*26.85*	
		For Elevated Installation >10' To 15', Add	*8.95*	
		For Elevated Installation >15' To 20', Add	*17.90*	
		For Elevated Installation >20' To 25', Add	*22.37*	
		For Elevated Installation >25' To 30', Add	*31.32*	
		For Elevated Installation >30' To 35', Add	*35.80*	
		For Elevated Installation >35' To 40', Add	*44.75*	
		For Elevated Installation >40', Add	*49.22*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2599	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	190.34	44.00
		For Work In Restricted Working Space, Add	*33.00*	
		For Elevated Installation >10' To 15', Add	*11.00*	
		For Elevated Installation >15' To 20', Add	*22.00*	
		For Elevated Installation >20' To 25', Add	*27.50*	
		For Elevated Installation >25' To 30', Add	*38.50*	
		For Elevated Installation >30' To 35', Add	*44.00*	
		For Elevated Installation >35' To 40', Add	*55.00*	
		For Elevated Installation >40', Add	*60.50*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.00*	
26 05 33 13-2600	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	360.61	64.50
		For Work In Restricted Working Space, Add	*48.38*	
		For Elevated Installation >10' To 15', Add	*16.13*	
		For Elevated Installation >15' To 20', Add	*32.25*	
		For Elevated Installation >20' To 25', Add	*40.32*	
		For Elevated Installation >25' To 30', Add	*56.44*	
		For Elevated Installation >30' To 35', Add	*64.51*	
		For Elevated Installation >35' To 40', Add	*80.64*	
		For Elevated Installation >40', Add	*88.70*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.38*	
26 05 33 13-2601	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	443.26	83.90
		For Work In Restricted Working Space, Add	*62.92*	
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2602	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	637.65	103.66
		For Work In Restricted Working Space, Add	*78.31*	
		For Elevated Installation >10' To 15', Add	*26.10*	
		For Elevated Installation >15' To 20', Add	*52.20*	
		For Elevated Installation >20' To 25', Add	*65.26*	
		For Elevated Installation >25' To 30', Add	*91.36*	
		For Elevated Installation >30' To 35', Add	*104.41*	
		For Elevated Installation >35' To 40', Add	*130.51*	
		For Elevated Installation >40', Add	*143.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2603	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover	770.82	124.55
		For Work In Restricted Working Space, Add	*93.41*	
		For Elevated Installation >10' To 15', Add	*31.14*	
		For Elevated Installation >15' To 20', Add	*62.27*	
		For Elevated Installation >20' To 25', Add	*77.84*	
		For Elevated Installation >25' To 30', Add	*108.98*	
		For Elevated Installation >30' To 35', Add	*124.54*	
		For Elevated Installation >35' To 40', Add	*155.68*	
		For Elevated Installation >40', Add	*171.25*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.41*	

26 05 33 13-2604 Threaded, Malleable Iron Conduit Body *(26 05 33 13-2547)*

Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-2605 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2606	EA	1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	56.64	17.89
		For Elevated Installation >10' To 15', Add	*4.48*	
		For Elevated Installation >15' To 20', Add	*8.95*	
		For Elevated Installation >20' To 25', Add	*11.19*	
		For Elevated Installation >25' To 30', Add	*15.66*	
		For Elevated Installation >30' To 35', Add	*17.90*	
		For Elevated Installation >35' To 40', Add	*22.38*	
		For Elevated Installation >40', Add	*24.61*	
		For Work In Restricted Working Space, Add	*13.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.43*	
26 05 33 13-2607	EA	3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	65.84	20.51
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.50*	
		For Elevated Installation >35' To 40', Add	*25.63*	
		For Elevated Installation >40', Add	*28.19*	
		For Work In Restricted Working Space, Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2608	EA	1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	81.38	23.86
		For Elevated Installation >10' To 15', Add	*5.97*	
		For Elevated Installation >15' To 20', Add	*11.93*	
		For Elevated Installation >20' To 25', Add	*14.92*	
		For Elevated Installation >25' To 30', Add	*20.88*	
		For Elevated Installation >30' To 35', Add	*23.86*	
		For Elevated Installation >35' To 40', Add	*29.83*	
		For Elevated Installation >40', Add	*32.81*	
		For Work In Restricted Working Space, Add	*17.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.90*	
26 05 33 13-2609	EA	1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	107.03	27.22
		For Elevated Installation >10' To 15', Add	*6.81*	
		For Elevated Installation >15' To 20', Add	*13.61*	
		For Elevated Installation >20' To 25', Add	*17.01*	
		For Elevated Installation >25' To 30', Add	*23.82*	
		For Elevated Installation >30' To 35', Add	*27.22*	
		For Elevated Installation >35' To 40', Add	*34.03*	
		For Elevated Installation >40', Add	*37.43*	
		For Work In Restricted Working Space, Add	*20.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.42*	
26 05 33 13-2610	EA	1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	122.38	29.83
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Work In Restricted Working Space, Add	*22.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-2611	EA	2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	169.50	35.80
		For Elevated Installation >10' To 15', Add	*8.95*	
		For Elevated Installation >15' To 20', Add	*17.90*	
		For Elevated Installation >20' To 25', Add	*22.37*	
		For Elevated Installation >25' To 30', Add	*31.32*	
		For Elevated Installation >30' To 35', Add	*35.80*	
		For Elevated Installation >35' To 40', Add	*44.75*	
		For Elevated Installation >40', Add	*49.22*	
		For Work In Restricted Working Space, Add	*26.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2612	EA	2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	289.62	50.34
		For Elevated Installation >10' To 15', Add	*12.59*	
		For Elevated Installation >15' To 20', Add	*25.17*	
		For Elevated Installation >20' To 25', Add	*31.46*	
		For Elevated Installation >25' To 30', Add	*44.05*	
		For Elevated Installation >30' To 35', Add	*50.34*	
		For Elevated Installation >35' To 40', Add	*62.93*	
		For Elevated Installation >40', Add	*69.22*	
		For Work In Restricted Working Space, Add	*37.76*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2613	EA	3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	412.12	67.12
		For Elevated Installation >10' To 15', Add	*16.78*	
		For Elevated Installation >15' To 20', Add	*33.56*	
		For Elevated Installation >20' To 25', Add	*41.95*	
		For Elevated Installation >25' To 30', Add	*58.73*	
		For Elevated Installation >30' To 35', Add	*67.12*	
		For Elevated Installation >35' To 40', Add	*83.91*	
		For Elevated Installation >40', Add	*92.30*	
		For Work In Restricted Working Space, Add	*50.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 05 33 13-2614	EA	3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	571.43	83.90
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
		For Work In Restricted Working Space, Add	*62.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2615	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	683.13	102.17
		For Elevated Installation >10' To 15', Add	*25.54*	
		For Elevated Installation >15' To 20', Add	*51.09*	
		For Elevated Installation >20' To 25', Add	*63.86*	
		For Elevated Installation >25' To 30', Add	*89.40*	
		For Elevated Installation >30' To 35', Add	*102.17*	
		For Elevated Installation >35' To 40', Add	*127.72*	
		For Elevated Installation >40', Add	*140.49*	
		For Work In Restricted Working Space, Add	*76.63*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.63*	

26 05 33 13-2616 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2617	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	59.39	17.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.43*	
26 05 33 13-2618	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	66.65	20.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2619	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	85.59	23.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.90*	
26 05 33 13-2620	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	109.84	27.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.42*	
26 05 33 13-2621	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	125.82	29.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-2622	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	162.43	35.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2623	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	250.35	50.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.76*	
26 05 33 13-2624	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	341.51	67.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	
26 05 33 13-2625	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	613.01	83.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2626	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover	713.80	102.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.63*	

26 05 33 13-2627 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2628	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	70.90	20.51
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Work In Restricted Working Space, Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2629	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	83.55	23.86
		For Elevated Installation >10' To 15', Add	*6.06*	
		For Elevated Installation >15' To 20', Add	*12.12*	
		For Elevated Installation >20' To 25', Add	*15.15*	
		For Elevated Installation >25' To 30', Add	*21.21*	
		For Elevated Installation >30' To 35', Add	*24.24*	
		For Elevated Installation >35' To 40', Add	*30.30*	
		For Elevated Installation >40', Add	*33.32*	
		For Work In Restricted Working Space, Add	*18.18*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2630	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	99.98	26.10
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
		For Work In Restricted Working Space, Add	*19.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	
26 05 33 13-2631	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	127.44	29.83
		For Elevated Installation >10' To 15', Add	*7.36*	
		For Elevated Installation >15' To 20', Add	*14.73*	
		For Elevated Installation >20' To 25', Add	*18.41*	
		For Elevated Installation >25' To 30', Add	*25.77*	
		For Elevated Installation >30' To 35', Add	*29.46*	
		For Elevated Installation >35' To 40', Add	*36.82*	
		For Elevated Installation >40', Add	*40.50*	
		For Work In Restricted Working Space, Add	*22.09*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.09*	
26 05 33 13-2632	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	146.69	32.81
		For Elevated Installation >10' To 15', Add	*8.20*	
		For Elevated Installation >15' To 20', Add	*16.41*	
		For Elevated Installation >20' To 25', Add	*20.51*	
		For Elevated Installation >25' To 30', Add	*28.71*	
		For Elevated Installation >30' To 35', Add	*32.82*	
		For Elevated Installation >35' To 40', Add	*41.02*	
		For Elevated Installation >40', Add	*45.12*	
		For Work In Restricted Working Space, Add	*24.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.61*	
26 05 33 13-2633	EA	2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	197.30	38.41
		For Elevated Installation >10' To 15', Add	*9.60*	
		For Elevated Installation >15' To 20', Add	*19.20*	
		For Elevated Installation >20' To 25', Add	*24.01*	
		For Elevated Installation >25' To 30', Add	*33.61*	
		For Elevated Installation >30' To 35', Add	*38.41*	
		For Elevated Installation >35' To 40', Add	*48.01*	
		For Elevated Installation >40', Add	*52.81*	
		For Work In Restricted Working Space, Add	*28.81*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.81*	
26 05 33 13-2634	EA	2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	246.09	55.93
		For Elevated Installation >10' To 15', Add	*13.98*	
		For Elevated Installation >15' To 20', Add	*27.97*	
		For Elevated Installation >20' To 25', Add	*34.96*	
		For Elevated Installation >25' To 30', Add	*48.94*	
		For Elevated Installation >30' To 35', Add	*55.93*	
		For Elevated Installation >35' To 40', Add	*69.92*	
		For Elevated Installation >40', Add	*76.91*	
		For Work In Restricted Working Space, Add	*41.95*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.95*	
26 05 33 13-2635	EA	3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	358.36	72.71
		For Elevated Installation >10' To 15', Add	*18.18*	
		For Elevated Installation >15' To 20', Add	*36.36*	
		For Elevated Installation >20' To 25', Add	*45.45*	
		For Elevated Installation >25' To 30', Add	*63.62*	
		For Elevated Installation >30' To 35', Add	*72.71*	
		For Elevated Installation >35' To 40', Add	*90.89*	
		For Elevated Installation >40', Add	*99.98*	
		For Work In Restricted Working Space, Add	*54.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*54.53*	
26 05 33 13-2636	EA	3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	646.20	89.49
		For Elevated Installation >10' To 15', Add	*22.37*	
		For Elevated Installation >15' To 20', Add	*44.74*	
		For Elevated Installation >20' To 25', Add	*55.93*	
		For Elevated Installation >25' To 30', Add	*78.30*	
		For Elevated Installation >30' To 35', Add	*89.49*	
		For Elevated Installation >35' To 40', Add	*111.86*	
		For Elevated Installation >40', Add	*123.05*	
		For Work In Restricted Working Space, Add	*67.12*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.12*	
26 05 33 13-2637	EA	4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover	745.31	107.77
		For Elevated Installation >10' To 15', Add	*27.03*	
		For Elevated Installation >15' To 20', Add	*54.07*	
		For Elevated Installation >20' To 25', Add	*67.59*	
		For Elevated Installation >25' To 30', Add	*94.62*	
		For Elevated Installation >30' To 35', Add	*108.14*	
		For Elevated Installation >35' To 40', Add	*135.17*	
		For Elevated Installation >40', Add	*148.69*	
		For Work In Restricted Working Space, Add	*81.10*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*81.10*	

26 05 33 13-2638 Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2639	EA	1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	56.85	17.89
		For Elevated Installation >10' To 15', Add	*4.48*	
		For Elevated Installation >15' To 20', Add	*8.95*	
		For Elevated Installation >20' To 25', Add	*11.19*	
		For Elevated Installation >25' To 30', Add	*15.66*	
		For Elevated Installation >30' To 35', Add	*17.90*	
		For Elevated Installation >35' To 40', Add	*22.38*	
		For Elevated Installation >40', Add	*24.61*	
		For Work In Restricted Working Space, Add	*13.43*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.43*	
26 05 33 13-2640	EA	3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	69.41	20.51
		For Elevated Installation >10' To 15', Add	*5.13*	
		For Elevated Installation >15' To 20', Add	*10.25*	
		For Elevated Installation >20' To 25', Add	*12.82*	
		For Elevated Installation >25' To 30', Add	*17.94*	
		For Elevated Installation >30' To 35', Add	*20.51*	
		For Elevated Installation >35' To 40', Add	*25.64*	
		For Elevated Installation >40', Add	*28.20*	
		For Work In Restricted Working Space, Add	*15.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.38*	
26 05 33 13-2641	EA	1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	81.44	23.49
		For Elevated Installation >10' To 15', Add	*5.87*	
		For Elevated Installation >15' To 20', Add	*11.75*	
		For Elevated Installation >20' To 25', Add	*14.68*	
		For Elevated Installation >25' To 30', Add	*20.56*	
		For Elevated Installation >30' To 35', Add	*23.49*	
		For Elevated Installation >35' To 40', Add	*29.37*	
		For Elevated Installation >40', Add	*32.30*	
		For Work In Restricted Working Space, Add	*17.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.62*	
26 05 33 13-2642	EA	1-1/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	112.22	27.22
		For Elevated Installation >10' To 15', Add	*6.81*	
		For Elevated Installation >15' To 20', Add	*13.61*	
		For Elevated Installation >20' To 25', Add	*17.02*	
		For Elevated Installation >25' To 30', Add	*23.82*	
		For Elevated Installation >30' To 35', Add	*27.22*	
		For Elevated Installation >35' To 40', Add	*34.03*	
		For Elevated Installation >40', Add	*37.43*	
		For Work In Restricted Working Space, Add	*20.42*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*20.42*	
26 05 33 13-2643	EA	1-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	132.10	29.83
		For Elevated Installation >10' To 15', Add	*7.46*	
		For Elevated Installation >15' To 20', Add	*14.91*	
		For Elevated Installation >20' To 25', Add	*18.64*	
		For Elevated Installation >25' To 30', Add	*26.10*	
		For Elevated Installation >30' To 35', Add	*29.83*	
		For Elevated Installation >35' To 40', Add	*37.29*	
		For Elevated Installation >40', Add	*41.01*	
		For Work In Restricted Working Space, Add	*22.37*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.37*	
26 05 33 13-2644	EA	2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	172.28	35.80
		For Elevated Installation >10' To 15', Add	*8.95*	
		For Elevated Installation >15' To 20', Add	*17.90*	
		For Elevated Installation >20' To 25', Add	*22.37*	
		For Elevated Installation >25' To 30', Add	*31.32*	
		For Elevated Installation >30' To 35', Add	*35.80*	
		For Elevated Installation >35' To 40', Add	*44.75*	
		For Elevated Installation >40', Add	*49.22*	
		For Work In Restricted Working Space, Add	*26.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2645	EA	2-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	378.26	94.43
		For Elevated Installation >10' To 15', Add	*23.60*	
		For Elevated Installation >15' To 20', Add	*47.19*	
		For Elevated Installation >20' To 25', Add	*58.99*	
		For Elevated Installation >25' To 30', Add	*82.59*	
		For Elevated Installation >30' To 35', Add	*94.39*	
		For Elevated Installation >35' To 40', Add	*117.99*	
		For Elevated Installation >40', Add	*129.78*	
		For Work In Restricted Working Space, Add	*70.79*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*70.79*	
26 05 33 13-2646	EA	3" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	371.16	67.12
		For Elevated Installation >10' To 15', Add	*16.78*	
		For Elevated Installation >15' To 20', Add	*33.56*	
		For Elevated Installation >20' To 25', Add	*41.95*	
		For Elevated Installation >25' To 30', Add	*58.73*	
		For Elevated Installation >30' To 35', Add	*67.12*	
		For Elevated Installation >35' To 40', Add	*83.91*	
		For Elevated Installation >40', Add	*92.30*	
		For Work In Restricted Working Space, Add	*50.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*50.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2647	EA	3-1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	613.01	83.90
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
		For Work In Restricted Working Space, Add	*62.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2648	EA	4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover	713.78	102.17
		For Elevated Installation >10' To 15', Add	*25.54*	
		For Elevated Installation >15' To 20', Add	*51.08*	
		For Elevated Installation >20' To 25', Add	*63.85*	
		For Elevated Installation >25' To 30', Add	*89.39*	
		For Elevated Installation >30' To 35', Add	*102.16*	
		For Elevated Installation >35' To 40', Add	*127.71*	
		For Elevated Installation >40', Add	*140.48*	
		For Work In Restricted Working Space, Add	*76.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*76.62*	

26 05 33 13-2649 Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover *(26 05 33 13-2604)*

26 05 33 13-2650	EA	1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	80.49	23.49
		For Elevated Installation >10' To 15', Add	*5.87*	
		For Elevated Installation >15' To 20', Add	*11.75*	
		For Elevated Installation >20' To 25', Add	*14.68*	
		For Elevated Installation >25' To 30', Add	*20.56*	
		For Elevated Installation >30' To 35', Add	*23.49*	
		For Elevated Installation >35' To 40', Add	*29.37*	
		For Elevated Installation >40', Add	*32.30*	
		For Work In Restricted Working Space, Add	*17.62*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.62*	
26 05 33 13-2651	EA	3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	87.83	26.10
		For Elevated Installation >10' To 15', Add	*6.53*	
		For Elevated Installation >15' To 20', Add	*13.05*	
		For Elevated Installation >20' To 25', Add	*16.32*	
		For Elevated Installation >25' To 30', Add	*22.84*	
		For Elevated Installation >30' To 35', Add	*26.10*	
		For Elevated Installation >35' To 40', Add	*32.63*	
		For Elevated Installation >40', Add	*35.89*	
		For Work In Restricted Working Space, Add	*19.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.58*	
26 05 33 13-2652	EA	1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	102.76	28.72
		For Elevated Installation >10' To 15', Add	*7.18*	
		For Elevated Installation >15' To 20', Add	*14.36*	
		For Elevated Installation >20' To 25', Add	*17.95*	
		For Elevated Installation >25' To 30', Add	*25.12*	
		For Elevated Installation >30' To 35', Add	*28.71*	
		For Elevated Installation >35' To 40', Add	*35.89*	
		For Elevated Installation >40', Add	*39.48*	
		For Work In Restricted Working Space, Add	*21.53*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.53*	
26 05 33 13-2653	EA	1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	122.94	32.81
		For Elevated Installation >10' To 15', Add	*8.20*	
		For Elevated Installation >15' To 20', Add	*16.41*	
		For Elevated Installation >20' To 25', Add	*20.51*	
		For Elevated Installation >25' To 30', Add	*28.71*	
		For Elevated Installation >30' To 35', Add	*32.82*	
		For Elevated Installation >35' To 40', Add	*41.02*	
		For Elevated Installation >40', Add	*45.12*	
		For Work In Restricted Working Space, Add	*24.61*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.61*	
26 05 33 13-2654	EA	1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	142.86	35.80
		For Elevated Installation >10' To 15', Add	*8.95*	
		For Elevated Installation >15' To 20', Add	*17.90*	
		For Elevated Installation >20' To 25', Add	*22.37*	
		For Elevated Installation >25' To 30', Add	*31.32*	
		For Elevated Installation >30' To 35', Add	*35.80*	
		For Elevated Installation >35' To 40', Add	*44.75*	
		For Elevated Installation >40', Add	*49.22*	
		For Work In Restricted Working Space, Add	*26.85*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.85*	
26 05 33 13-2655	EA	2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	202.92	44.00
		For Elevated Installation >10' To 15', Add	*11.00*	
		For Elevated Installation >15' To 20', Add	*22.00*	
		For Elevated Installation >20' To 25', Add	*27.50*	
		For Elevated Installation >25' To 30', Add	*38.50*	
		For Elevated Installation >30' To 35', Add	*44.00*	
		For Elevated Installation >35' To 40', Add	*55.00*	
		For Elevated Installation >40', Add	*60.50*	
		For Work In Restricted Working Space, Add	*33.00*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2656	EA	2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	327.16	64.50
		For Elevated Installation >10' To 15', Add	*16.13*	
		For Elevated Installation >15' To 20', Add	*32.25*	
		For Elevated Installation >20' To 25', Add	*40.32*	
		For Elevated Installation >25' To 30', Add	*56.44*	
		For Elevated Installation >30' To 35', Add	*64.51*	
		For Elevated Installation >35' To 40', Add	*80.64*	
		For Elevated Installation >40', Add	*88.70*	
		For Work In Restricted Working Space, Add	*48.38*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.38*	
26 05 33 13-2657	EA	3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	485.42	83.90
		For Elevated Installation >10' To 15', Add	*20.97*	
		For Elevated Installation >15' To 20', Add	*41.95*	
		For Elevated Installation >20' To 25', Add	*52.44*	
		For Elevated Installation >25' To 30', Add	*73.41*	
		For Elevated Installation >30' To 35', Add	*83.90*	
		For Elevated Installation >35' To 40', Add	*104.87*	
		For Elevated Installation >40', Add	*115.36*	
		For Work In Restricted Working Space, Add	*62.92*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*62.92*	
26 05 33 13-2658	EA	3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	735.86	103.66
		For Elevated Installation >10' To 15', Add	*25.92*	
		For Elevated Installation >15' To 20', Add	*51.83*	
		For Elevated Installation >20' To 25', Add	*64.79*	
		For Elevated Installation >25' To 30', Add	*90.70*	
		For Elevated Installation >30' To 35', Add	*103.66*	
		For Elevated Installation >35' To 40', Add	*129.58*	
		For Elevated Installation >40', Add	*142.53*	
		For Work In Restricted Working Space, Add	*77.75*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.75*	
26 05 33 13-2659	EA	4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover	817.51	124.55
		For Elevated Installation >10' To 15', Add	*31.14*	
		For Elevated Installation >15' To 20', Add	*62.27*	
		For Elevated Installation >20' To 25', Add	*77.84*	
		For Elevated Installation >25' To 30', Add	*108.98*	
		For Elevated Installation >30' To 35', Add	*124.54*	
		For Elevated Installation >35' To 40', Add	*155.68*	
		For Elevated Installation >40', Add	*171.25*	
		For Work In Restricted Working Space, Add	*93.41*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*93.41*	

26 05 33 13-2660 Set Screw, Cast Aluminum Conduit Body *(26 05 33 13-2547)*

Note: For use with Electrical Metallic Tubing (EMT)

26 05 33 13-2661 Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2662	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	28.03	7.08
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2663	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	35.71	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2664	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	48.93	11.55
		For Work In Restricted Working Space, Add	*8.67*	
		For Elevated Installation >10' To 15', Add	*2.89*	
		For Elevated Installation >15' To 20', Add	*5.78*	
		For Elevated Installation >20' To 25', Add	*7.23*	
		For Elevated Installation >25' To 30', Add	*10.12*	
		For Elevated Installation >30' To 35', Add	*11.56*	
		For Elevated Installation >35' To 40', Add	*14.45*	
		For Elevated Installation >40', Add	*15.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.67*	
26 05 33 13-2665	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	63.92	14.17
		For Work In Restricted Working Space, Add	*10.63*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2666	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	85.32	16.41
		For Work In Restricted Working Space, Add	*12.30*	
		For Elevated Installation >10' To 15', Add	*4.10*	
		For Elevated Installation >15' To 20', Add	*8.20*	
		For Elevated Installation >20' To 25', Add	*10.25*	
		For Elevated Installation >25' To 30', Add	*14.35*	
		For Elevated Installation >30' To 35', Add	*16.40*	
		For Elevated Installation >35' To 40', Add	*20.51*	
		For Elevated Installation >40', Add	*22.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 33 13-2667	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	114.81	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

26 05 33 13-2668 Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*

26 05 33 13-2669	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	28.32	7.08
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2670	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	36.80	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2671	EA	1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	45.14	11.55
		For Work In Restricted Working Space, Add	*8.67*	
		For Elevated Installation >10' To 15', Add	*2.89*	
		For Elevated Installation >15' To 20', Add	*5.78*	
		For Elevated Installation >20' To 25', Add	*7.23*	
		For Elevated Installation >25' To 30', Add	*10.12*	
		For Elevated Installation >30' To 35', Add	*11.56*	
		For Elevated Installation >35' To 40', Add	*14.45*	
		For Elevated Installation >40', Add	*15.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.67*	
26 05 33 13-2672	EA	1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	63.60	14.17
		For Work In Restricted Working Space, Add	*10.63*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 05 33 13-2673	EA	1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	79.02	16.41
		For Work In Restricted Working Space, Add	*12.30*	
		For Elevated Installation >10' To 15', Add	*4.10*	
		For Elevated Installation >15' To 20', Add	*8.20*	
		For Elevated Installation >20' To 25', Add	*10.25*	
		For Elevated Installation >25' To 30', Add	*14.35*	
		For Elevated Installation >30' To 35', Add	*16.40*	
		For Elevated Installation >35' To 40', Add	*20.51*	
		For Elevated Installation >40', Add	*22.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 33 13-2674	EA	2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	114.27	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2675		Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*		
26 05 33 13-2676	EA	1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	36.30	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	
26 05 33 13-2677	EA	3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	47.63	11.55
		For Work In Restricted Working Space, Add	*8.67*	
		For Elevated Installation >10' To 15', Add	*2.89*	
		For Elevated Installation >15' To 20', Add	*5.78*	
		For Elevated Installation >20' To 25', Add	*7.23*	
		For Elevated Installation >25' To 30', Add	*10.12*	
		For Elevated Installation >30' To 35', Add	*11.56*	
		For Elevated Installation >35' To 40', Add	*14.45*	
		For Elevated Installation >40', Add	*15.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.67*	
26 05 33 13-2678	EA	1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	57.32	14.17
		For Work In Restricted Working Space, Add	*10.63*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 05 33 13-2679	EA	1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	80.67	16.41
		For Work In Restricted Working Space, Add	*12.86*	
		For Elevated Installation >10' To 15', Add	*4.29*	
		For Elevated Installation >15' To 20', Add	*8.58*	
		For Elevated Installation >20' To 25', Add	*10.72*	
		For Elevated Installation >25' To 30', Add	*15.01*	
		For Elevated Installation >30' To 35', Add	*17.15*	
		For Elevated Installation >35' To 40', Add	*21.44*	
		For Elevated Installation >40', Add	*23.58*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.86*	
26 05 33 13-2680	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	104.51	18.65
		For Work In Restricted Working Space, Add	*15.10*	
		For Elevated Installation >10' To 15', Add	*5.03*	
		For Elevated Installation >15' To 20', Add	*10.07*	
		For Elevated Installation >20' To 25', Add	*12.59*	
		For Elevated Installation >25' To 30', Add	*17.62*	
		For Elevated Installation >30' To 35', Add	*20.14*	
		For Elevated Installation >35' To 40', Add	*25.17*	
		For Elevated Installation >40', Add	*27.69*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.10*	
26 05 33 13-2681	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	142.92	20.88
		For Work In Restricted Working Space, Add	*17.34*	
		For Elevated Installation >10' To 15', Add	*5.78*	
		For Elevated Installation >15' To 20', Add	*11.56*	
		For Elevated Installation >20' To 25', Add	*14.45*	
		For Elevated Installation >25' To 30', Add	*20.23*	
		For Elevated Installation >30' To 35', Add	*23.12*	
		For Elevated Installation >35' To 40', Add	*28.90*	
		For Elevated Installation >40', Add	*31.78*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.34*	
26 05 33 13-2682		Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover *(26 05 33 13-2660)*		
26 05 33 13-2683	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	29.24	7.08
		For Work In Restricted Working Space, Add	*5.31*	
		For Elevated Installation >10' To 15', Add	*1.77*	
		For Elevated Installation >15' To 20', Add	*3.54*	
		For Elevated Installation >20' To 25', Add	*4.43*	
		For Elevated Installation >25' To 30', Add	*6.20*	
		For Elevated Installation >30' To 35', Add	*7.08*	
		For Elevated Installation >35' To 40', Add	*8.86*	
		For Elevated Installation >40', Add	*9.74*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*5.31*	
26 05 33 13-2684	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.21	9.32
		For Work In Restricted Working Space, Add	*6.99*	
		For Elevated Installation >10' To 15', Add	*2.33*	
		For Elevated Installation >15' To 20', Add	*4.66*	
		For Elevated Installation >20' To 25', Add	*5.83*	
		For Elevated Installation >25' To 30', Add	*8.16*	
		For Elevated Installation >30' To 35', Add	*9.32*	
		For Elevated Installation >35' To 40', Add	*11.65*	
		For Elevated Installation >40', Add	*12.82*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2685	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	50.30	11.55
		For Work In Restricted Working Space, Add	*8.67*	
		For Elevated Installation >10' To 15', Add	*2.89*	
		For Elevated Installation >15' To 20', Add	*5.78*	
		For Elevated Installation >20' To 25', Add	*7.23*	
		For Elevated Installation >25' To 30', Add	*10.12*	
		For Elevated Installation >30' To 35', Add	*11.56*	
		For Elevated Installation >35' To 40', Add	*14.45*	
		For Elevated Installation >40', Add	*15.90*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.67*	
26 05 33 13-2686	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	65.56	14.17
		For Work In Restricted Working Space, Add	*10.63*	
		For Elevated Installation >10' To 15', Add	*3.54*	
		For Elevated Installation >15' To 20', Add	*7.09*	
		For Elevated Installation >20' To 25', Add	*8.86*	
		For Elevated Installation >25' To 30', Add	*12.40*	
		For Elevated Installation >30' To 35', Add	*14.17*	
		For Elevated Installation >35' To 40', Add	*17.72*	
		For Elevated Installation >40', Add	*19.49*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.63*	
26 05 33 13-2687	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	80.15	16.41
		For Work In Restricted Working Space, Add	*12.30*	
		For Elevated Installation >10' To 15', Add	*4.10*	
		For Elevated Installation >15' To 20', Add	*8.20*	
		For Elevated Installation >20' To 25', Add	*10.25*	
		For Elevated Installation >25' To 30', Add	*14.35*	
		For Elevated Installation >30' To 35', Add	*16.40*	
		For Elevated Installation >35' To 40', Add	*20.51*	
		For Elevated Installation >40', Add	*22.56*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.30*	
26 05 33 13-2688	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	124.78	18.65
		For Work In Restricted Working Space, Add	*13.98*	
		For Elevated Installation >10' To 15', Add	*4.66*	
		For Elevated Installation >15' To 20', Add	*9.32*	
		For Elevated Installation >20' To 25', Add	*11.65*	
		For Elevated Installation >25' To 30', Add	*16.31*	
		For Elevated Installation >30' To 35', Add	*18.64*	
		For Elevated Installation >35' To 40', Add	*23.31*	
		For Elevated Installation >40', Add	*25.64*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.98*	

26 05 33 13-2689 Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways) *(26 05 33 13-2547)*

26 05 33 13-2690	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	155.28	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.32*	
26 05 33 13-2691	EA	1-1/2" To 2-1/2" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250)	606.76	37.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*28.33*	
26 05 33 13-2692	EA	3" To 4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400)	1,164.43	76.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*57.47*	

26 05 33 13-2693 Replacement Covers And Gaskets For Conduit Body *(26 05 33 13-2547)*

26 05 33 13-2694 Replacement Stamped Aluminum Conduit Body Cover *(26 05 33 13-2693)*

26 05 33 13-2695	EA	1/2" Replacement Stamped Aluminum Conduit Body Cover	10.18	3.63
26 05 33 13-2696	EA	3/4" Replacement Stamped Aluminum Conduit Body Cover	12.55	4.24
26 05 33 13-2697	EA	1" Replacement Stamped Aluminum Conduit Body Cover	16.05	5.46
26 05 33 13-2698	EA	1-1/4" Replacement Stamped Aluminum Conduit Body Cover	19.54	6.67
26 05 33 13-2699	EA	1-1/2" Replacement Stamped Aluminum Conduit Body Cover	24.17	7.87
26 05 33 13-2700	EA	2" Replacement Stamped Aluminum Conduit Body Cover	28.76	9.09
26 05 33 13-2701	EA	2-1/2" Replacement Stamped Aluminum Conduit Body Cover	38.92	10.30
26 05 33 13-2702	EA	3" Replacement Stamped Aluminum Conduit Body Cover	49.54	14.54
26 05 33 13-2703	EA	3-1/2" Replacement Stamped Aluminum Conduit Body Cover	53.73	16.36
26 05 33 13-2704	EA	4" Replacement Stamped Aluminum Conduit Body Cover	67.70	20.60

26 05 33 13-2705 Replacement Cast Steel Conduit Body Cover *(26 05 33 13-2693)*

26 05 33 13-2706	EA	1/2" Replacement Cast Steel Conduit Body Cover	12.15	3.63
26 05 33 13-2707	EA	3/4" Replacement Cast Steel Conduit Body Cover	14.27	4.24
26 05 33 13-2708	EA	1" Replacement Cast Steel Conduit Body Cover	20.31	5.46
26 05 33 13-2709	EA	1-1/4" Replacement Cast Steel Conduit Body Cover	25.30	6.67
26 05 33 13-2710	EA	1-1/2" Replacement Cast Steel Conduit Body Cover	30.88	7.87
26 05 33 13-2711	EA	2" Replacement Cast Steel Conduit Body Cover	36.44	9.09
26 05 33 13-2712	EA	2-1/2" Replacement Cast Steel Conduit Body Cover	41.96	10.30
26 05 33 13-2713	EA	3" Replacement Cast Steel Conduit Body Cover	56.74	14.54
26 05 33 13-2714	EA	3-1/2" Replacement Cast Steel Conduit Body Cover	65.06	16.36
26 05 33 13-2715	EA	4" Replacement Cast Steel Conduit Body Cover	82.04	20.60

26 05 33 13-2716 Replacement Velbuna Composition Conduit Body Gasket *(26 05 33 13-2693)*

26 05 33 13-2717	EA	1/2" Replacement Velbuna Composition Conduit Body Gasket	9.29	3.63
26 05 33 13-2718	EA	3/4" Replacement Velbuna Composition Conduit Body Gasket	10.57	4.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2719	EA	1" Replacement Velbuna Composition Conduit Body Gasket	13.84	5.46
26 05 33 13-2720	EA	1-1/4" Replacement Velbuna Composition Conduit Body Gasket	18.20	6.67
26 05 33 13-2721	EA	1-1/2" Replacement Velbuna Composition Conduit Body Gasket	20.63	7.87
26 05 33 13-2722	EA	2" Replacement Velbuna Composition Conduit Body Gasket	24.67	9.09
26 05 33 13-2723	EA	2-1/2" Replacement Velbuna Composition Conduit Body Gasket	33.33	10.30
26 05 33 13-2724	EA	3" Replacement Velbuna Composition Conduit Body Gasket	42.56	14.54
26 05 33 13-2725	EA	3-1/2" Replacement Velbuna Composition Conduit Body Gasket	47.12	16.36
26 05 33 13-2726	EA	4" Replacement Velbuna Composition Conduit Body Gasket	55.50	20.60

26 05 33 13-2727 Replacement Neoprene Conduit Body Gasket *(26 05 33 13-2693)*

26 05 33 13-2728	EA	1/2" Replacement Neoprene Conduit Body Gasket	10.66	3.63
26 05 33 13-2729	EA	3/4" Replacement Neoprene Conduit Body Gasket	11.88	4.24
26 05 33 13-2730	EA	1" Replacement Neoprene Conduit Body Gasket	15.57	5.46
26 05 33 13-2731	EA	1-1/4" Replacement Neoprene Conduit Body Gasket	19.08	6.67
26 05 33 13-2732	EA	1-1/2" Replacement Neoprene Conduit Body Gasket	21.51	7.87
26 05 33 13-2733	EA	2" Replacement Neoprene Conduit Body Gasket	24.76	9.09
26 05 33 13-2734	EA	2-1/2" Replacement Neoprene Conduit Body Gasket	33.54	10.30
26 05 33 13-2735	EA	3" Replacement Neoprene Conduit Body Gasket	42.77	14.54
26 05 33 13-2736	EA	3-1/2" Replacement Neoprene Conduit Body Gasket	48.58	16.36
26 05 33 13-2737	EA	4" Replacement Neoprene Conduit Body Gasket	56.96	20.60

26 05 33 13-2738 Cutting Knockouts In-Place Metal Boxes Or Enclosures *(26 05 33 13-0058)*

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2739	EA	1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	15.44
		For Work In Restricted Working Space, Add	*4.63*
26 05 33 13-2740	EA	3/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	17.38
		For Work In Restricted Working Space, Add	*5.21*
26 05 33 13-2741	EA	1", Cutting Knockouts In-Place Metal Boxes Or Enclosures	20.45
		For Work In Restricted Working Space, Add	*6.14*
26 05 33 13-2742	EA	1-1/4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	22.69
		For Work In Restricted Working Space, Add	*6.81*
26 05 33 13-2743	EA	1-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	25.56
		For Work In Restricted Working Space, Add	*7.67*
26 05 33 13-2744	EA	2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	30.27
		For Work In Restricted Working Space, Add	*9.08*
26 05 33 13-2745	EA	2-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	35.78
		For Work In Restricted Working Space, Add	*10.73*
26 05 33 13-2746	EA	3", Cutting Knockouts In-Place Metal Boxes Or Enclosures	40.90
		For Work In Restricted Working Space, Add	*12.27*
26 05 33 13-2747	EA	3-1/2", Cutting Knockouts In-Place Metal Boxes Or Enclosures	46.01
		For Work In Restricted Working Space, Add	*13.80*
26 05 33 13-2748	EA	4", Cutting Knockouts In-Place Metal Boxes Or Enclosures	51.12
		For Work In Restricted Working Space, Add	*15.34*

26 05 33 13-2749 Buried Pipe Or Conduit Wrap *(26 05 33 13)*

26 05 33 13-2750 All-Weather Corrosion Protection Tape For Pipe Or Conduit *(26 05 33 13-2749)*

Note: Priced by the linear feet of pipe or conduit the tape is installed on.

26 05 33 13-2751	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.42
26 05 33 13-2752	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	2.82
26 05 33 13-2753	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.29
26 05 33 13-2754	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	3.80
26 05 33 13-2755	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	4.34
26 05 33 13-2756	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.25
26 05 33 13-2757	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	5.81
26 05 33 13-2758	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	6.36
26 05 33 13-2759	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	7.95
26 05 33 13-2760	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	9.23
26 05 33 13-2761	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 10 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 50)	10.52
26 05 33 13-2762	LF	Pipe Or Conduit Wrap For 1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.44
26 05 33 13-2763	LF	Pipe Or Conduit Wrap For 3/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	2.94
26 05 33 13-2764	LF	Pipe Or Conduit Wrap For 1" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	3.46
26 05 33 13-2765	LF	Pipe Or Conduit Wrap For 1-1/4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.01
26 05 33 13-2766	LF	Pipe Or Conduit Wrap For 1-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	4.61
26 05 33 13-2767	LF	Pipe Or Conduit Wrap For 2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	5.63
26 05 33 13-2768	LF	Pipe Or Conduit Wrap For 2-1/2" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	6.41
26 05 33 13-2769	LF	Pipe Or Conduit Wrap For 3" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	7.22
26 05 33 13-2770	LF	Pipe Or Conduit Wrap For 4" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	9.12
26 05 33 13-2771	LF	Pipe Or Conduit Wrap For 5" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	10.70
26 05 33 13-2772	LF	Pipe Or Conduit Wrap For 6" Diameter Pipe, 20 Mil, All-Weather Corrosion Protection Tape (3M Scotchrap 51)	12.27

26 05 33 16 Boxes for Electrical Systems *(26 05 33)*

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0001		**Steel Junction, Device, And Fixture Boxes, Rings And Covers** *(26 05 33 16)* Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0128 for steel box/switch assemblies.		
26 05 33 16-0002		**4" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box	33.00	15.31
		For Stud Bracket, Add	*0.59*	
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box	34.08	15.31
		For Stud Bracket, Add	*1.05*	
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box	37.80	15.31
		For Stud Bracket, Add	*1.15*	
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring	25.71	10.21
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring	21.95	10.21
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	11.35	5.10
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring	11.52	5.10
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring	11.64	5.10
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring	12.05	5.10
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring	12.17	5.10
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring	13.45	5.10
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	11.83	5.10
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring	11.96	5.10
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring	12.11	5.10
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring	13.43	5.10
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring	13.70	5.10
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring	15.37	5.10
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings	12.48	5.10
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings	13.54	5.10
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover	11.82	5.10
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover	11.91	5.10
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover	11.79	5.10
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover	12.07	5.10
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover	12.31	5.10
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.26	5.10
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.27	5.10
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover	15.26	5.10
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.27	5.10
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover	12.96	5.10
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.26	5.10
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover	15.26	5.10
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover	10.97	5.10
26 05 33 16-0035		**4-11/16" Square Steel Boxes, Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box	37.00	15.31
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box	34.55	15.31
		For Stud Bracket, Add	*0.55*	
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box	46.86	15.31
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring	26.74	10.21
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring	27.34	10.21
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	13.80	5.10
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	13.83	5.10
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	14.87	5.10
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	14.45	5.10
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	14.36	5.10
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring	18.71	5.10
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	14.63	5.10
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	14.85	5.10
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	14.87	5.10
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.41	5.10
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	16.73	5.10
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring	20.45	5.10
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	14.43	5.10
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring	14.54	5.10
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover	17.42	5.10
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover	18.23	5.10
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	17.18	5.10
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover	16.30	5.10
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover	19.25	5.10
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	18.22	5.10
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	18.22	5.10
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover	18.22	5.10
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover	11.63	5.10
26 05 33 16-0064		**Steel Square Box Brackets** *(26 05 33 16-0001)*		
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes	16.44	7.66
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box	11.93	5.11
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes	19.05	7.66
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes	20.39	7.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0069		**4" Octagon Steel Boxes And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box	27.46	12.75
		For Stud Bracket, Add	*1.42*	
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box	28.41	12.75
26 05 33 16-0072	EA	Flat, 4" Octagon Steel Exposed Work Cover	10.91	5.10
26 05 33 16-0073		**4" Steel Octagonal Concrete Rings And Steel Covers** *(26 05 33 16-0001)*		
		Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA	2" Depth, 4" Steel Octagonal Concrete Ring	45.11	
26 05 33 16-0075	EA	2-1/2" Depth, 4" Steel Octagonal Concrete Ring	47.85	
26 05 33 16-0076	EA	3" Depth, 4" Steel Octagonal Concrete Ring	50.07	
26 05 33 16-0077	EA	3-1/2" Depth, 4" Steel Octagonal Concrete Ring	52.24	
26 05 33 16-0078	EA	4" Depth, 4" Steel Octagonal Concrete Ring	56.89	
26 05 33 16-0079	EA	5" Depth, 4" Steel Octagonal Concrete Ring	61.70	
26 05 33 16-0080	EA	6" Depth, 4" Steel Octagonal Concrete Ring	65.48	
26 05 33 16-0081	EA	Flat, 4" Steel Octagonal Concrete Cover	12.22	5.10
26 05 33 16-0082		**4-1/2" Steel Gang Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0083	EA	2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	40.89	12.75
26 05 33 16-0084	EA	3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	44.88	13.78
26 05 33 16-0085	EA	4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	53.81	15.31
26 05 33 16-0086	EA	5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	69.85	16.83
26 05 33 16-0087	EA	6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box	102.78	18.37
26 05 33 16-0088	EA	2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	55.52	12.75
26 05 33 16-0089	EA	3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	60.48	13.78
26 05 33 16-0090	EA	4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	80.14	15.31
26 05 33 16-0091	EA	5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	102.60	16.83
26 05 33 16-0092	EA	6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box	167.53	18.37
26 05 33 16-0093	EA	2 Device, Gang Box Mud Ring	17.82	5.10
26 05 33 16-0094	EA	3 Device, Gang Box Mud Ring	18.07	5.10
26 05 33 16-0095	EA	4 Device, Gang Box Mud Ring	20.89	5.10
26 05 33 16-0096	EA	5 Device, Gang Box Mud Ring	25.74	5.10
26 05 33 16-0097	EA	6 Device, Gang Box Mud Ring	36.37	5.10
26 05 33 16-0098	EA	2 Device, Gang Box Flat Cover	15.40	5.10
26 05 33 16-0099	EA	3 Device, Gang Box Flat Cover	18.04	5.10
26 05 33 16-0100	EA	4 Device, Gang Box Flat Cover	21.55	5.10
26 05 33 16-0101	EA	5 Device, Gang Box Flat Cover	26.01	5.10
26 05 33 16-0102	EA	6 Device, Gang Box Flat Cover	37.13	5.10
26 05 33 16-0103		**Steel Switch Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0104	EA	2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	29.29	12.75
26 05 33 16-0105	EA	2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box	29.70	12.75
26 05 33 16-0106	EA	3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box	31.81	12.75
26 05 33 16-0107	EA	2-1/2" Depth, 2 Device, Stud Bracket, Steel Box	36.56	12.75
26 05 33 16-0108	EA	2-1/2" Depth, 3 Device, Stud Bracket, Steel Box	36.97	12.75
26 05 33 16-0109	EA	2-1/2" Depth, 4 Device, Stud Bracket, Steel Box	43.40	12.75
26 05 33 16-0110		**4" x 2" Steel Handy Boxes, Extension Rings And Covers** *(26 05 33 16-0001)*		
26 05 33 16-0111	EA	1-1/2" Deep, 4" x 2" Steel Handy Box	27.36	12.75
		For Stud Bracket, Add	*2.29*	
26 05 33 16-0112	EA	1-7/8" Deep, 4" x 2" Steel Handy Box	27.80	12.75
		For Stud Bracket, Add	*0.99*	
26 05 33 16-0113	EA	2-1/8" Deep, 4" x 2" Steel Handy Box	28.77	12.75
		For Stud Bracket, Add	*1.34*	
26 05 33 16-0114	EA	1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring	17.97	7.65
26 05 33 16-0115	EA	1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring	17.53	7.65
26 05 33 16-0116	EA	GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover	6.06	2.55
26 05 33 16-0117	EA	1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	6.14	2.55
26 05 33 16-0118	EA	Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	5.73	2.55
26 05 33 16-0119	EA	Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover	5.76	2.55
26 05 33 16-0120	EA	1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover	6.59	2.55
26 05 33 16-0121	EA	Flat, 2" x 4" Steel Handy Box Exposed Work Cover	5.76	2.55
26 05 33 16-0122		**3-1/2" Depth, 3-3/4" Steel Masonry Boxes** *(26 05 33 16-0001)*		
26 05 33 16-0123	EA	1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	40.86	17.86
26 05 33 16-0124	EA	2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	45.52	18.88
26 05 33 16-0125	EA	3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	51.96	20.41
26 05 33 16-0126	EA	4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box	59.05	22.45
26 05 33 16-0127		**Cast Boxes** *(26 05 33 16)*		
		Note: For flush or surface mount.		
26 05 33 16-0128		**Cast Iron Alloy Boxes** *(26 05 33 16-0127)*		
		See CSI section 26 27 26 00-0265 for box covers.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0129		**Shallow, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	97.32	30.61
26 05 33 16-0131	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	102.80	35.71
26 05 33 16-0132	EA	1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box Note: One hub.	120.08	43.37
26 05 33 16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	119.72	40.82
26 05 33 16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	155.80	48.47
26 05 33 16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hub.	119.10	40.82
26 05 33 16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	143.69	48.47
26 05 33 16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	123.00	40.82
26 05 33 16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	143.74	48.47
26 05 33 16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	119.10	40.82
26 05 33 16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box Note: Two hubs.	138.93	48.47
26 05 33 16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	140.16	51.02
26 05 33 16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	165.24	61.23
26 05 33 16-0143	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	147.63	51.02
26 05 33 16-0144	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	193.74	61.23
26 05 33 16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	152.51	51.02
26 05 33 16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	182.02	61.23
26 05 33 16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	139.52	51.02
26 05 33 16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box Note: Three hubs.	185.32	61.23
26 05 33 16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	180.67	61.23
26 05 33 16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box Note: Four hubs.	217.89	73.98
26 05 33 16-0151		**Deep, Single Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		
26 05 33 16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	102.82	30.61
26 05 33 16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	118.07	35.71
26 05 33 16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box Note: One hub.	137.70	43.37
26 05 33 16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	129.78	40.82
26 05 33 16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	148.86	48.47
26 05 33 16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	178.63	58.67
26 05 33 16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box Note: Two hubs.	162.58	48.47
26 05 33 16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box Note: Three hubs.	209.99	61.23
26 05 33 16-0160		**Shallow, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: Up to 2" deep boxes.		
26 05 33 16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	119.73	33.17
26 05 33 16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	131.55	38.27
26 05 33 16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box Note: One hub.	151.76	45.92
26 05 33 16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	142.78	43.37
26 05 33 16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box Note: Two hubs.	160.91	51.02
26 05 33 16-0166		**Deep, Two Gang Cast Iron Alloy Boxes** *(26 05 33 16-0128)* Note: >2" deep boxes.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	136.25	33.17
26 05 33 16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box Note: One hub.	147.09	38.27
26 05 33 16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	167.65	43.37
26 05 33 16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box Note: Two hubs.	187.18	51.02
26 05 33 16-0171		Cast Aluminum Boxes *(26 05 33 16-0127)* See CSI section 26 27 26 00-0265 for box covers.		
26 05 33 16-0172		Shallow, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0173	EA	1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	87.11	25.51
26 05 33 16-0174	EA	3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	98.76	30.61
26 05 33 16-0175	EA	1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box Note: One hub.	106.70	38.27
26 05 33 16-0176	EA	1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	80.70	25.51
26 05 33 16-0177	EA	3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box Note: One hub.	103.28	30.61
26 05 33 16-0178	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	108.14	35.71
26 05 33 16-0179	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	129.59	43.37
26 05 33 16-0180	EA	1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	163.23	53.57
26 05 33 16-0181	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	119.29	35.71
26 05 33 16-0182	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	124.16	43.37
26 05 33 16-0183	EA	1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	112.95	35.71
26 05 33 16-0184	EA	3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	127.95	43.37
26 05 33 16-0185	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	108.85	35.71
26 05 33 16-0186	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	127.95	43.37
26 05 33 16-0187	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	99.39	35.71
26 05 33 16-0188	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box Note: Two hubs.	138.01	43.37
26 05 33 16-0189	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	126.33	45.92
26 05 33 16-0190	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	153.26	56.13
26 05 33 16-0191	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	136.13	45.92
26 05 33 16-0192	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	187.22	56.13
26 05 33 16-0193	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	135.31	45.92
26 05 33 16-0194	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	166.18	56.13
26 05 33 16-0195	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box Note: Three hubs.	169.09	56.13
26 05 33 16-0196	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	164.90	56.13
26 05 33 16-0197	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box Note: Four hubs.	201.01	68.88
26 05 33 16-0198		Deep, Single Gang Cast Aluminum Boxes *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0199	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	98.48	25.51
26 05 33 16-0200	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	117.94	30.61
26 05 33 16-0201	EA	1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box Note: One hub.	133.08	38.27
26 05 33 16-0202	EA	3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box Note: One hub.	128.33	30.61
26 05 33 16-0203	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	122.84	35.71
26 05 33 16-0204	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	147.64	43.37
26 05 33 16-0205	EA	1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	161.53	53.57
26 05 33 16-0206	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box Note: Two hubs.	150.05	43.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0207	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box Note: Three hubs.	181.33	56.13
26 05 33 16-0208		**Shallow, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	119.51	28.06
26 05 33 16-0210	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	136.12	33.17
26 05 33 16-0211	EA	1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box Note: One hub.	142.46	40.82
26 05 33 16-0212	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	147.09	38.27
26 05 33 16-0213	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	145.11	45.92
26 05 33 16-0214	EA	1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box Note: Two hubs.	179.67	56.13
26 05 33 16-0215		**Deep, Two Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0216	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	119.38	28.06
26 05 33 16-0217	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box Note: One hub.	137.67	33.17
26 05 33 16-0218	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	150.64	38.27
26 05 33 16-0219	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	168.88	45.92
26 05 33 16-0220	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	150.64	38.27
26 05 33 16-0221	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box Note: Two hubs.	168.88	45.92
26 05 33 16-0222		**Shallow, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: Up to 2" deep boxes.		
26 05 33 16-0223	EA	1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	157.64	40.82
26 05 33 16-0224	EA	3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box Note: Two hubs.	174.97	48.47
26 05 33 16-0225		**Deep, Three Gang Cast Aluminum Boxes** *(26 05 33 16-0171)* Note: >2" deep boxes.		
26 05 33 16-0226	EA	3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	187.44	35.71
26 05 33 16-0227	EA	1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box Note: One hub.	206.40	43.37
26 05 33 16-0228		**Cast Aluminum Explosion Proof Outlet Bodies** *(26 05 33 16-0127)* Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.		
26 05 33 16-0229	EA	1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	191.19	40.82
26 05 33 16-0230	EA	3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	240.37	45.92
26 05 33 16-0231	EA	1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body	213.33	51.02
26 05 33 16-0232	EA	1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body	211.39	45.92
26 05 33 16-0233	EA	3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA	261.35	51.02
26 05 33 16-0234		**Non-Metallic (PVC) Boxes** *(26 05 33 16)* See CSI section 26 27 26 00-0265 for box covers.		
26 05 33 16-0235		**Shallow, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0236	EA	1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	55.36	21.43
26 05 33 16-0237	EA	3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	62.89	25.01
26 05 33 16-0238	EA	1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box Note: One hub.	70.33	30.36
26 05 33 16-0239	EA	1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	70.04	28.58
26 05 33 16-0240	EA	3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	82.03	33.93
26 05 33 16-0241	EA	1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	99.55	41.08
26 05 33 16-0242	EA	1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	70.37	28.58
26 05 33 16-0243	EA	3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	81.15	33.93
26 05 33 16-0244	EA	1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	96.54	41.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0245	EA	1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	89.12	35.71
26 05 33 16-0246	EA	3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	99.91	42.86
26 05 33 16-0247	EA	1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box Note: Three hubs.	116.73	51.79
26 05 33 16-0248		**Deep, Single Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0249	EA	No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box Note: No hubs.	56.33	21.43
26 05 33 16-0250	EA	1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	54.63	21.43
26 05 33 16-0251	EA	3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	65.21	25.01
26 05 33 16-0252	EA	1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box Note: One hub.	71.27	30.36
26 05 33 16-0253	EA	1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	71.95	28.58
26 05 33 16-0254	EA	3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	79.52	33.93
26 05 33 16-0255	EA	1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box Note: Two hubs.	94.67	41.08
26 05 33 16-0256		**Shallow, Two Gang Non-Metallic (PVC) Boxes** *(26 05 33 16-0234)*		
26 05 33 16-0257	EA	1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	59.44	23.21
26 05 33 16-0258	EA	3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	67.94	26.79
26 05 33 16-0259	EA	1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box Note: One hub.	74.07	32.14
26 05 33 16-0260	EA	1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	71.49	30.36
26 05 33 16-0261	EA	3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	89.76	35.71
26 05 33 16-0262	EA	1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	105.76	42.86
26 05 33 16-0263	EA	1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	73.75	30.36
26 05 33 16-0264	EA	3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	96.03	35.71
26 05 33 16-0265	EA	1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box Note: Two hubs.	100.73	42.86
26 05 33 16-0266	EA	1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	89.88	37.50
26 05 33 16-0267	EA	3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	121.78	44.65
26 05 33 16-0268	EA	1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box Note: Three hubs.	120.15	53.57
26 05 33 16-0269		**Poke Thru Units** *(26 05 33 16)*		
26 05 33 16-0270		**Surface Poke Thru Units** *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0271	EA	Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	512.61	38.27
26 05 33 16-0272	EA	Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	327.09	
26 05 33 16-0273	EA	20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC37REC.	43.25	10.21
26 05 33 16-0274	EA	Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit Note: Wiremold RC3APTCBK.	54.61	5.10
26 05 33 16-0275	EA	Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	580.56	40.82
26 05 33 16-0276	EA	Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	305.74	
26 05 33 16-0277	EA	Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4REC2.	74.84	15.31
26 05 33 16-0278	EA	Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold RC4APTCBK.	54.61	5.10
26 05 33 16-0279	EA	Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit Note: Wiremold ABPLUG4.	160.64	10.21
26 05 33 16-0280	EA	Four Jack RC9AMD Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	458.29	35.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0281	EA	Abandonment Plate For RC9 Series Communications Poke Thru Unit Note: Wiremold RC9APTCBK.	37.45	5.10
26 05 33 16-0282	EA	Eight Jack AMD8 Communications Poke Thru Unit Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	456.12	35.71
26 05 33 16-0283	EA	Communication Conduit Adapter For Poke Thru Units Note: Includes two conduit connections for communication systems. Wiremold COM75.	52.73	5.10
26 05 33 16-0284		Recessed Poke Thru Units *(26 05 33 16-0269)* Note: Excludes concrete drilling.		
26 05 33 16-0285		Evolution 6AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0286	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	824.48	40.82
26 05 33 16-0287	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	824.58	40.82
26 05 33 16-0288	EA	Recessed Assembly With Surface Style Cover (Wiremold 6ATC) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	785.30	40.82
26 05 33 16-0289	EA	Recessed Assembly With Flush Style Cover (Wiremold 6AT) Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	785.30	40.82
26 05 33 16-0290	EA	Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	824.48	40.82
26 05 33 16-0291	EA	Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA) Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	824.48	40.82
26 05 33 16-0292	EA	Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF) Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	752.13	40.82
26 05 33 16-0293	EA	Recessed Assembly With Disposable Plate (Wiremold 6STC) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	468.08	38.27
26 05 33 16-0294	EA	Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	502.74	38.27
26 05 33 16-0295	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP) Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	506.17	38.27
26 05 33 16-0296	EA	6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	140.86	20.41
26 05 33 16-0297	EA	Surface Style Cover Assembly (Wiremold 6CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	334.02	10.21
26 05 33 16-0298	EA	Flush Style Cover Assembly (Wiremold 6CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	334.02	10.21
26 05 33 16-0299	EA	Furniture Feed Cover Assembly (Wiremold 6CFFTC) Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	277.19	10.21
26 05 33 16-0300	EA	Tile Shim (Wiremold 6TS) Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	39.80	2.55
26 05 33 16-0301	EA	Device Mounting Plate (Wiremold 6AAP) Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	18.45	5.10
26 05 33 16-0302	EA	Device Mounting Plate (Wiremold 6ACT8A) Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.53	5.10
26 05 33 16-0303	EA	Device Mounting Plate (Wiremold 6B) Note: Device plate used to blank off center compartment, when no devices are used.	18.36	5.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0304	EA	Device Mounting Plate (Wiremold 6DEC) Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or A/V devices. For use in the center compartment only. Devices supplied by others.	18.42	5.10
26 05 33 16-0305	EA	Device Mounting Plate (Wiremold 6DP) Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	18.29	5.10
26 05 33 16-0306	EA	Device Mounting Plate (Wiremold 6MAAP) Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	21.86	5.10
26 05 33 16-0307	EA	Device Mounting Plate (Wiremold 6MAAP2A) Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	21.61	5.10
26 05 33 16-0308	EA	Mosaic Mounting Plate (Wiremold 6MOS) Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	22.17	5.10
26 05 33 16-0309	EA	Device Mounting Plate (Wiremold 6S1) Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	17.99	5.10
26 05 33 16-0310	EA	Device Mounting Plate (Wiremold 6S2) Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	18.01	5.10
26 05 33 16-0311	EA	Device Mounting Plate (Wiremold 6SER) Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	17.74	5.10
26 05 33 16-0312	EA	Device Mounting Plate (Wiremold 6TRAC) Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	17.74	5.10
26 05 33 16-0313	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	44.01	7.65
26 05 33 16-0314	EA	Device Mounting Plate (Wiremold 68B) Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	16.12	5.10
26 05 33 16-0315	EA	Device Mounting Plate (Wiremold 68MAAP) Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	16.56	5.10
26 05 33 16-0316	EA	20 Amperes, Duplex Receptacles (Wiremold 68REC-25) Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	142.53	9.18
26 05 33 16-0317	EA	Device Mounting Plate (Wiremold 682A) Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	21.33	5.10
26 05 33 16-0318	EA	Bottom Housing Assembly (Wiremold 5PTHA) Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	22.28	5.10
26 05 33 16-0319	EA	Bottom Housing Assembly (Wiremold 5BLH) Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	22.96	5.10
26 05 33 16-0320	EA	Bottom Housing Assembly (Wiremold 152CHA) Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	34.61	10.21
26 05 33 16-0321	EA	Bottom Housing Assembly (Wiremold 575CHA) Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	39.35	12.75
26 05 33 16-0322	EA	Bottom Housing Assembly (Wiremold 175CHA) Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	43.76	12.75
26 05 33 16-0323	EA	Bottom Housing Assembly (Wiremold 1125CHA) Note: One-gang 1 1/4" trade size conduit housing assembly.	33.12	10.21
26 05 33 16-0324	EA	Bottom Housing Assembly (Wiremold 1PTHA) Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	22.12	5.10
26 05 33 16-0325	EA	Bottom Housing Assembly (Wiremold 1BLH) Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	22.12	5.10
26 05 33 16-0326	EA	Bottom Housing Assembly (Wiremold 15FFHA) Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	23.39	5.10
26 05 33 16-0327	EA	Bottom Housing Assembly (Wiremold 1BHA) Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	24.24	5.10
26 05 33 16-0328		Evolution 8AT Poke Thru Units *(26 05 33 16-0284)* Note: Excludes concrete drilling.		
26 05 33 16-0329	EA	Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,085.13	40.82
26 05 33 16-0330	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,032.25	40.82
26 05 33 16-0331	EA	Recessed Prewired Assembly With Flush Style Cover (Wiremold 8AT2P) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,097.10	40.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0332	EA	Recessed Assembly With Surface Style Cover (Wiremold 8ATC) Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,022.30	40.82
26 05 33 16-0333	EA	Recessed Assembly With Flush Style Cover (Wiremold 8AT) Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,012.87	40.82
26 05 33 16-0334	EA	Recessed Assembly With Disposable Plate (Wiremold 8STC) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	607.99	38.27
26 05 33 16-0335	EA	Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	682.49	38.27
26 05 33 16-0336	EA	8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	169.93	20.41
26 05 33 16-0337	EA	Surface Style Cover Assembly (Wiremold 8CTC) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	361.45	10.21
26 05 33 16-0338	EA	Flush Style Cover Assembly (Wiremold 8CT) Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	361.45	10.21
26 05 33 16-0339	EA	Tile Shim (Wiremold 8TS) Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	62.42	2.55
26 05 33 16-0340	EA	Device Mounting Plate (Wiremold 8B) Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	19.11	5.10
26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DP) Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.23	5.10
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8DEC) Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCIs, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	19.36	5.10
26 05 33 16-0343	EA	Device Mounting Plate (Wiremold 8ACT6A) Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	22.67	5.10
26 05 33 16-0344	EA	Mosaic Mounting Plate (Wiremold 8MOS) Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.	27.75	5.10
26 05 33 16-0345	EA	Crestron Double Gang Plate (Wiremold 8CREST) Note: Device plate accepts Crestron double-gang decorator style devices.	27.71	5.10
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S1) Note: Receptacle opening 1 3/8". For 8" poke-thru units only.	18.49	5.10
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8S2) Note: Receptacle opening 1 9/16". For 8" poke-thru units only.	18.75	5.10
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8TRAC) Note: Singlegang device plate that will accept up to six (6) Ortronics TracJack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.49	5.10
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8SER) Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	18.49	5.10
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8MAAP) Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	27.30	5.10
26 05 33 16-0351	EA	Device Mounting Plate (Wiremold 8AAP) Note: Twogang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.	22.52	5.10
26 05 33 16-0352	EA	8" Divider (Wiremold 8DIV) Note: Divider allows for separation of services when required.	26.18	5.10
26 05 33 16-0353	EA	Bottom Housing Assembly (Wiremold 22CHA) Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.	34.61	10.21

26 05 33 23 Surface Raceways for Electrical Systems *(26 05 33)*

26 05 33 23-0001 Raceways *(26 05 33 23)*

26 05 33 23-0002 Wireway With Screw Cover *(26 05 33 23-0001)*

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover	26.17	4.66
		For Combination Hinged Screw Cover, Add	*0.84*	
		For Concrete Or Masonry Surface, Add	*0.47*	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover	20.09	6.99
		For Combination Hinged Screw Cover, Add	*0.31*	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover	23.54	8.72
		For Combination Hinged Screw Cover, Add	*0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover	50.54	16.31
		For Combination Hinged Screw Cover, Add	*0.90*	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover	86.21	16.31
		For Combination Hinged Screw Cover, Add	*2.68*	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover	128.18	23.21
		For Combination Hinged Screw Cover, Add	*4.09*	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover	144.07	25.64
		For Combination Hinged Screw Cover, Add	*4.64*	

26 05 33 23-0011 4" x 4", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover	31.99	5.88
		For Combination Hinged Screw Cover, Add	*1.02*	
		For Concrete Or Masonry Surface, Add	*0.58*	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover	59.66	5.88
		For Combination Hinged Screw Cover, Add	*2.40*	
		For Concrete Or Masonry Surface, Add	*0.58*	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover	16.62	5.13
		For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover	25.95	9.79
		For Combination Hinged Screw Cover, Add	*0.32*	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover	59.34	19.95
		For Combination Hinged Screw Cover, Add	*0.97*	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover	98.56	19.95
		For Combination Hinged Screw Cover, Add	*2.93*	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover	140.71	25.92
		For Combination Hinged Screw Cover, Add	*4.44*	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover	162.39	30.30
		For Combination Hinged Screw Cover, Add	*5.09*	

26 05 33 23-0020 6" x 6", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover	48.63	6.99
		For Combination Hinged Screw Cover, Add	*1.73*	
		For Concrete Or Masonry Surface, Add	*0.70*	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover	97.16	6.99
		For Combination Hinged Screw Cover, Add	*4.16*	
		For Concrete Or Masonry Surface, Add	*0.70*	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover	21.44	5.60
		For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0024	EA	6" x 6", Coupling For Surface Mounted Wireway With Screw Cover	33.56	11.66
		For Combination Hinged Screw Cover, Add	*0.51*	
26 05 33 23-0025	EA	6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover	86.19	23.21
		For Combination Hinged Screw Cover, Add	*1.99*	
26 05 33 23-0026	EA	6" x 6", Elbow For Surface Mounted Wireway With Screw Cover	127.60	23.21
		For Combination Hinged Screw Cover, Add	*4.06*	
26 05 33 23-0027	EA	6" x 6", Tee For Surface Mounted Wireway With Screw Cover	203.96	28.99
		For Combination Hinged Screw Cover, Add	*7.30*	
26 05 33 23-0028	EA	6" x 6", Cross For Surface Mounted Wireway With Screw Cover	220.06	33.56
		For Combination Hinged Screw Cover, Add	*7.65*	

26 05 33 23-0029 8" x 8", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0030	LF	8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover	80.16	7.64
		For Combination Hinged Screw Cover, Add	*3.25*	
		For Concrete Or Masonry Surface, Add	*0.76*	
26 05 33 23-0031	LF	8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover	149.26	7.64
		For Combination Hinged Screw Cover, Add	*6.70*	
		For Concrete Or Masonry Surface, Add	*0.76*	
26 05 33 23-0032	EA	8" x 8", End Plate For Surface Mounted Wireway With Screw Cover	23.66	6.06
		For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0033	EA	8" x 8", Coupling For Surface Mounted Wireway With Screw Cover	36.71	12.59
		For Combination Hinged Screw Cover, Add	*0.58*	
26 05 33 23-0034	EA	8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover	96.32	25.55
		For Combination Hinged Screw Cover, Add	*2.26*	
26 05 33 23-0035	EA	8" x 8", Elbow For Surface Mounted Wireway With Screw Cover	163.58	25.55
		For Combination Hinged Screw Cover, Add	*5.62*	
26 05 33 23-0036	EA	8" x 8", Tee For Surface Mounted Wireway With Screw Cover	246.82	31.51
		For Combination Hinged Screw Cover, Add	*9.19*	
26 05 33 23-0037	EA	8" x 8", Cross For Surface Mounted Wireway With Screw Cover	347.21	38.22
		For Combination Hinged Screw Cover, Add	*13.54*	

26 05 33 23-0038 10" x 10", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0039	LF	10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover	117.39	8.86
		For Combination Hinged Screw Cover, Add	*4.98*	
		For Concrete Or Masonry Surface, Add	*0.89*	
26 05 33 23-0040	LF	10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover	210.90	8.86
		For Combination Hinged Screw Cover, Add	*9.66*	
		For Concrete Or Masonry Surface, Add	*0.89*	
26 05 33 23-0041	EA	10" x 10", End Plate For Surface Mounted Wireway With Screw Cover	33.79	6.99
		For Combination Hinged Screw Cover, Add	*0.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0042	EA	10" x 10", Coupling For Surface Mounted Wireway With Screw Cover	47.77	13.98
		For Combination Hinged Screw Cover, Add	*0.99*	
26 05 33 23-0043	EA	10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover	131.36	27.78
		For Combination Hinged Screw Cover, Add	*3.79*	
26 05 33 23-0044	EA	10" x 10", Elbow For Surface Mounted Wireway With Screw Cover	264.80	27.78
		For Combination Hinged Screw Cover, Add	*10.46*	
26 05 33 23-0045	EA	10" x 10", Tee For Surface Mounted Wireway With Screw Cover	403.70	35.06
		For Combination Hinged Screw Cover, Add	*16.68*	
26 05 33 23-0046	EA	10" x 10", Cross For Surface Mounted Wireway With Screw Cover	580.67	39.62
		For Combination Hinged Screw Cover, Add	*25.07*	

26 05 33 23-0047 12" x 12", Wireway With Screw Cover *(26 05 33 23-0002)*

26 05 33 23-0048	LF	12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover	137.72	10.72
		For Combination Hinged Screw Cover, Add	*5.81*	
		For Concrete Or Masonry Surface, Add	*1.07*	
26 05 33 23-0049	LF	12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover	231.69	10.72
		For Combination Hinged Screw Cover, Add	*10.51*	
		For Concrete Or Masonry Surface, Add	*1.07*	
26 05 33 23-0050	EA	12" x 12", End Plate For Surface Mounted Wireway With Screw Cover	45.20	7.46
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0051	EA	12" x 12", Coupling For Surface Mounted Wireway With Screw Cover	60.12	14.91
		For Combination Hinged Screw Cover, Add	*1.51*	
26 05 33 23-0052	EA	12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover	175.11	30.30
		For Combination Hinged Screw Cover, Add	*5.73*	
26 05 33 23-0053	EA	12" x 12", Elbow For Surface Mounted Wireway With Screw Cover	351.83	30.30
		For Combination Hinged Screw Cover, Add	*14.56*	
26 05 33 23-0054	EA	12" x 12", Tee For Surface Mounted Wireway With Screw Cover	454.55	37.29
		For Combination Hinged Screw Cover, Add	*19.00*	
26 05 33 23-0055	EA	12" x 12", Cross For Surface Mounted Wireway With Screw Cover	749.21	41.95
		For Combination Hinged Screw Cover, Add	*33.27*	

26 05 33 23-0056 Surface Metal Raceways *(26 05 33 23-0001)*

Note: Exposed on flat wall surface.

26 05 33 23-0057 One Piece Surface Metal Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0058 3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0059	LF	3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)	4.45	1.39
		For Concrete Or Masonry Surface, Add	*0.14*	
26 05 33 23-0060	EA	Bushing (Wiremold #502)	4.13	1.87
26 05 33 23-0061	EA	One Or Two Hole Strap (Wiremold #504)	4.17	1.87
26 05 33 23-0062	EA	Connection Cover (Wiremold #506)	4.36	1.87
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511)	6.90	2.24
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512)	12.15	2.33
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517)	8.61	2.80
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518)	8.39	2.80

26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700) *(26 05 33 23-0057)*

Note: Available in ivory and white.

26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700)	5.58	1.87
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0069	EA	Bushing (Wiremold #702)	4.25	1.87
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704)	4.41	1.87
26 05 33 23-0071	EA	Connection Cover (Wiremold #706)	4.46	1.87
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711)	9.99	3.73
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712)	16.75	3.73
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717)	10.92	3.73
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718)	10.50	3.73

26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings) *(26 05 33 23-0057)*

Note: Available in ivory.

26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F)	33.84	2.80
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701)	4.39	1.87
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703)	4.39	1.87
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709)	14.00	2.80
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC)	11.62	2.80
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Ell (Wiremold #5711)	12.92	3.73
26 05 33 23-0083	EA	Tee (Wiremold #5715)	14.31	4.66
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719)	26.99	3.73
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242)	20.36	3.73
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731)	10.79	2.33
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733)	25.63	3.73
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735)	25.52	3.73
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736)	11.49	2.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737)	23.02	3.73
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A)	22.15	3.73
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738)	22.36	3.73
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A)	22.36	3.73
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF)	25.52	3.73
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739)	25.19	3.73
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A)	27.00	3.73
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240)	29.54	6.06
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G)	45.73	11.66
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741)	21.58	6.06
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744)	35.94	6.06
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2)	41.64	6.06
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3)	64.82	6.06
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S)	32.74	5.13
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2)	36.85	5.13
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3)	60.67	5.13
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745)	22.67	6.06
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747)	19.56	6.06
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2)	28.77	6.06
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3)	58.89	6.06
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748)	21.12	6.06
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2)	30.63	6.06
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3)	57.15	6.06
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4)	86.33	6.06
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5)	144.35	6.06
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6)	146.94	6.06
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S)	20.82	6.06
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751)	20.16	6.06
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2)	27.84	6.06
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3)	57.74	6.06
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A)	22.04	6.06
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752)	29.45	6.06
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753)	43.79	6.06
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760)	15.10	2.33
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780)	14.33	2.33
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781)	9.13	2.33
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A)	18.05	2.80
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782)	9.22	2.33
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A)	22.98	2.80
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784)	20.43	2.80
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785)	10.73	2.80
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786)	18.87	2.80
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B)	9.38	2.33
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791)	8.41	1.87
26 05 33 23-0134		1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0135	LF	1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10)	8.25	2.33
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0136	EA	Wire Clip (Wiremold #1500WC)	4.91	1.87
26 05 33 23-0137	EA	Bushing (Wiremold #1502)	5.76	2.33
26 05 33 23-0138	EA	2-Hole Strap (Wiremold #1504)	6.43	2.80
26 05 33 23-0139	EA	Flat Elbow (Wiremold #1511)	25.92	8.86
26 05 33 23-0140	EA	Internal Elbow (Wiremold #1517)	26.93	8.86
26 05 33 23-0141	EA	Adapter Fitting (Wiremold #1517B)	29.30	8.86
26 05 33 23-0142	EA	External Elbow (Wiremold #1518)	29.10	8.86
26 05 33 23-0143	EA	Utility Box (Wiremold #1528)	27.30	6.06
26 05 33 23-0144	EA	Junction Box (Wiremold #1542D)	28.25	6.06
26 05 33 23-0145	EA	Duplex Receptacle (Wiremold #1543GL)	55.47	11.66
26 05 33 23-0146	EA	Single Receptacle Box (Wiremold #1546A)	29.18	6.06
26 05 33 23-0147	EA	Duplex Receptacle Box (Wiremold #1546B)	36.40	6.06
26 05 33 23-0148	EA	Telephone Box (Wiremold #1546T)	35.65	6.06
26 05 33 23-0149	EA	Combination Connection (Wiremold #1585)	17.31	2.80
26 05 33 23-0150		2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600) *(26 05 33 23-0057)*		
		Note: Galvanized finish.		
26 05 33 23-0151	LF	2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10)	13.97	4.19
		For Concrete Or Masonry Surface, Add	*0.42*	
26 05 33 23-0152	EA	Wire Clip (Wiremold #2600WC)	5.07	1.87
26 05 33 23-0153	EA	Fiber Bushing (Wiremold #2602)	5.82	1.87
26 05 33 23-0154	EA	2-5/8", 90 Degree Flat Elbow (Wiremold #2611)	23.20	3.26
26 05 33 23-0155	EA	5" Diameter, Junction Box (Wiremold #2642D)	34.88	4.66
26 05 33 23-0156	EA	Service Fitting (Wiremold #2686FO)	33.49	5.60

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0157		Two Piece Surface Metal Raceways *(26 05 33 23-0056)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 05 33 23-0158		1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000) *(26 05 33 23-0157)*		
26 05 33 23-0159	LF	1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC)	7.63	2.33
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0160	EA	Wire Clip (Wiremold #2000WC)	3.57	1.87
26 05 33 23-0161	EA	Coupling (Wiremold #2001)	9.35	2.33
26 05 33 23-0162	EA	Supporting Clip (Wiremold #2003)	4.75	1.39
26 05 33 23-0163	EA	Cover Clip (Wiremold #2006)	4.37	1.39
26 05 33 23-0164	EA	Ground Clamp (Wiremold #2009)	11.77	2.33
26 05 33 23-0165	EA	Entrance End Fitting (Wiremold #2010A2)	22.49	6.99
26 05 33 23-0166	EA	Entrance End Fitting (Wiremold #2010A3)	39.34	9.32
26 05 33 23-0167	EA	Blank End Fitting (Wiremold #2010B)	5.81	2.33
26 05 33 23-0168	EA	Flat 90 Degree Elbow (Wiremold #2011)	19.32	6.06
26 05 33 23-0169	EA	Tee (Wiremold #2015)	36.21	8.77
26 05 33 23-0170	EA	Internal Corner Coupling (Wiremold #2017TC)	12.13	4.66
26 05 33 23-0171	EA	Single Gang Device Box (Wiremold #2048)	29.53	8.29
26 05 33 23-0172	EA	2-Gang device Box (Wiremold #2048-2)	47.88	9.23
26 05 33 23-0173	EA	Flush Plate Adapter (Wiremold #2051H)	31.92	9.23
26 05 33 23-0174	EA	Side Reducing Connector (Wiremold #2089)	27.33	4.66
26 05 33 23-0175	EA	#2089E End Reducing Connector	11.14	2.33
26 05 33 23-0176		1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400) *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF	1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B)	6.44	2.33
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0178	LF	1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD)	7.16	2.33
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0179	LF	Raceway Cover (Wiremold #2400C)	2.76	0.46
26 05 33 23-0180	EA	Wire Clip (Wiremold #2400WC)	3.58	1.87
26 05 33 23-0181	EA	Coupling (Wiremold #2401)	9.28	2.33
26 05 33 23-0182	EA	Divided Raceway Coupling (Wiremold #2401D)	8.09	2.33
26 05 33 23-0183	EA	Cover Clip (Wiremold #2406)	4.44	1.39
26 05 33 23-0184	EA	Device Bracket Frame (Wiremold #2407-2CM)	34.38	6.99
26 05 33 23-0185	EA	Device Bracket Frame (Wiremold #2407-2TJ)	32.81	6.99
26 05 33 23-0186	EA	Ground Clamp (Wiremold #2409)	9.17	1.87
26 05 33 23-0187	EA	End Fitting (Wiremold #2410A)	21.61	6.99
26 05 33 23-0188	EA	Blank End (Wiremold #2410B)	5.89	2.33
26 05 33 23-0189	EA	Divided Blank End Fitting (Wiremold #2410BD)	5.98	2.33
26 05 33 23-0190	EA	Entrance End Fitting (Wiremold #2410C)	34.23	6.99
26 05 33 23-0191	EA	Divided Entrance End Fitting (Wiremold #2410D)	32.72	6.99
26 05 33 23-0192	EA	Divided Entrance End Fitting (Wiremold #2410DFO)	55.33	6.99
26 05 33 23-0193	EA	Full Cap Entrance End Fitting (Wiremold #2410FC)	41.77	6.99
26 05 33 23-0194	EA	Divided Flat 90 Degree Elbow (Wiremold #2411D)	24.55	6.99
26 05 33 23-0195	EA	Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO)	40.93	6.99
26 05 33 23-0196	EA	Radiused Flat 90 Degree Elbow (Wiremold #2411FO)	36.40	6.90
26 05 33 23-0197	EA	Flat 90 Degree Elbow (Wiremold #2411M)	23.28	6.99
26 05 33 23-0198	EA	Radiused Divided Tee (Wiremold #2415DFO)	44.13	6.90
26 05 33 23-0199	EA	Radiused Tee (Wiremold #2415FO)	41.83	6.90
26 05 33 23-0200	EA	Tee (Wiremold #2415M)	28.11	6.90
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D)	23.01	6.90
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO)	37.67	6.90
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO)	36.47	6.90
26 05 33 23-0204	EA	Radiused Divided External Coupling (Wiremold #2418DFO)	41.18	6.90
26 05 33 23-0205	EA	Radiused External Coupling (Wiremold #2418FO)	40.47	6.90
26 05 33 23-0206	EA	Internal Coupling (Wiremold #2417M)	22.21	6.90
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M)	27.59	6.90
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444)	37.55	6.06
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2)	41.96	6.06
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS)	42.18	6.06
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D)	40.32	6.06
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A)	57.90	6.06
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N)	50.68	6.06
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448)	25.58	6.06
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2)	40.98	6.06
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450)	12.41	2.33
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H)	28.82	6.99
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D)	91.33	6.99
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489)	25.90	3.73
26 05 33 23-0220		2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000) *(26 05 33 23-0157)* Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B)	13.00	4.19
		For Concrete Or Masonry Surface, Add	*0.42*	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE)	3.33	0.46
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC)	5.06	1.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0224	EA	Couplings (Wiremold #3001)	12.81	1.87
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A)	13.51	2.33
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003)	9.69	2.33
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E)	5.32	1.87
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C)	14.28	3.73
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C)	14.62	2.80
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE)	32.98	8.86
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B)	11.85	3.73
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C)	36.95	8.86
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E)	56.33	11.55
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C)	38.67	11.66
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E)	78.08	14.45
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE)	36.01	8.86
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE)	45.36	8.86
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE)	31.24	8.86
26 05 33 23-0239	EA	Utility Box (Wiremold #3028)	55.70	8.86
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE)	18.22	2.33
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE)	20.03	2.33
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE)	18.17	2.33
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE)	21.23	2.80
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE)	52.89	12.12
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2)	63.22	8.86
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE)	18.10	2.80
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2)	21.10	2.33
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD)	85.59	5.60
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ)	214.25	5.60
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU)	74.05	5.60
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S)	80.44	5.60
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U)	80.44	5.60
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R)	24.91	2.80

26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10)	16.15	4.19
		For Concrete Or Masonry Surface, Add	*0.45*	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C)	5.98	0.46
26 05 33 23-0257	LF	Divider (Wiremold #4000D)	2.79	0.46
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC)	6.33	2.33
26 05 33 23-0259	EA	Couplings (Wiremold #4001A)	16.22	2.80
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D)	7.28	2.80
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006)	7.43	2.80
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R)	34.07	6.06
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B)	17.57	3.73
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO)	67.42	14.35
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011)	63.45	11.66
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO)	75.90	11.66
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX)	68.30	14.45
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A)	93.20	14.45
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015)	104.14	14.45
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D)	108.53	14.45
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO)	130.87	14.45
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO)	131.30	14.45
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017)	54.28	14.45
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO)	102.20	14.45
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N)	60.87	14.45
26 05 33 23-0276	EA	Internal Corner Coupling (Wiremold #4017TCA)	50.79	14.45
26 05 33 23-0277	EA	External Elbow (Wiremold #4018)	84.22	14.45
26 05 33 23-0278	EA	Radiused External Elbow (Wiremold #4018FO)	98.78	14.45
26 05 33 23-0279	EA	Single Locking Receptacle And Two RJ11/45 Modulaular Connectors Outlet Cover (Wiremold #4046ARJ)	86.36	6.06
26 05 33 23-0280	EA	Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2)	91.74	6.06
26 05 33 23-0281	EA	Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ)	91.74	6.06
26 05 33 23-0282	EA	Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2)	123.59	6.06
26 05 33 23-0283	EA	Tap-Off Fitting (Wiremold #4046H-2)	23.74	6.06
26 05 33 23-0284	EA	Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ)	79.84	2.80
26 05 33 23-0285	EA	Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ)	93.97	6.06
26 05 33 23-0286	EA	1 Gang Device Plate (Wiremold #G4047C-1)	24.18	6.06
26 05 33 23-0287	EA	2 Gang Device Plate (Wiremold #G4047C-2)	28.57	6.06
26 05 33 23-0288	EA	Device Mounting Bracket (Wiremold #4050)	27.71	4.66
26 05 33 23-0289	EA	#4000 To #3000 Take-off Connector (Wiremold #4074A)	132.98	14.45
26 05 33 23-0290	EA	Bridge Fitting (Wiremold #4075D)	119.17	14.45
26 05 33 23-0291	EA	Bridge Fitting (Wiremold #4075DA)	119.17	14.45
26 05 33 23-0292	EA	Panel Connector (Wiremold #4086A)	88.59	27.50
26 05 33 23-0293	EA	Reducing Connector Fitting (Wiremold #4089)	55.65	14.45

26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000) *(26 05 33 23-0157)*

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF	4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10)	24.29	5.13
		For Concrete Or Masonry Surface, Add	*0.51*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0296	LF	Raceway Cover (Wiremold #6000C)	7.13	1.39
26 05 33 23-0297	LF	Divider (Wiremold #6000DA)	7.65	1.39
26 05 33 23-0298	EA	Wire Clips For Conductors (Wiremold #6000WC)	7.45	2.33
26 05 33 23-0299	EA	Couplings (Wiremold #6001A)	19.70	4.66
26 05 33 23-0300	EA	Divider Clip (Wiremold #6001D)	9.24	2.33
26 05 33 23-0301	EA	Converter Coupling (Wiremold #6001TX)	25.79	6.06
26 05 33 23-0302	EA	Connection Cover (Wiremold #6006)	24.33	6.06
26 05 33 23-0303	EA	Single Gang Device Plate (Wiremold #6007C-1)	25.66	6.06
26 05 33 23-0304	EA	Two Gang Device Plate (Wiremold #6007C-2)	28.36	6.06
26 05 33 23-0305	EA	C-Hanger (Wiremold #6008A)	41.19	8.86
26 05 33 23-0306	EA	Blank End Fittings (Wiremold #6010B)	42.33	13.98
26 05 33 23-0307	EA	Combination Flat Elbow (Wiremold #6011TX)	85.24	13.98
26 05 33 23-0308	EA	Internal-External 45 Degree Elbow (Wiremold #6012TX)	87.06	13.42
26 05 33 23-0309	EA	Connector Fitting (Wiremold #6014A)	126.47	14.45
26 05 33 23-0310	EA	Combination Internal-External Elbow (Wiremold #6017TX)	87.67	15.85
26 05 33 23-0311	EA	Circuit Breaker Housing (Wiremold #6046KD)	158.30	15.85
26 05 33 23-0312	EA	#6000 To #6000 Take-off Connector (Wiremold #6074)	153.37	13.98
26 05 33 23-0313	EA	#6000 To #4000 Take-off Connector (Wiremold #6074A)	166.48	13.98
26 05 33 23-0314	EA	Panel Connector (Wiremold #6086)	89.57	32.44

26 05 33 23-0315 Two Piece Surface Aluminum Raceways *(26 05 33 23-0056)*

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000) *(26 05 33 23-0315)*

26 05 33 23-0317	LF	1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B)	10.40	2.33
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0318	LF	Aluminum Raceway Cover (Wiremold #AL2000C)	5.49	0.46
26 05 33 23-0319	EA	Wire Clip (Wiremold #AL2000WC)	4.94	1.87
26 05 33 23-0320	EA	Coupling (Wiremold #AL2001)	10.41	2.33
26 05 33 23-0321	EA	Supporting Clip (Wiremold #AL2003)	5.39	1.39
26 05 33 23-0322	EA	Cover Clip (Wiremold #AL2006)	6.99	1.39
26 05 33 23-0323	EA	Ground Clamp (Wiremold #AL2009)	9.87	2.33
26 05 33 23-0324	EA	Entrance End Fitting (Wiremold #AL2010A)	27.37	6.99
26 05 33 23-0325	EA	Blank End Fitting (Wiremold #AL2010B)	8.82	2.33
26 05 33 23-0326	EA	Flat 90 Degree Elbow (Wiremold #AL2011)	32.60	6.06
26 05 33 23-0327	EA	Tee (Wiremold #AL2015)	43.95	8.77
26 05 33 23-0328	EA	Internal Corner Elbow (Wiremold #AL2017)	29.87	4.66
26 05 33 23-0329	EA	External Corner Elbow (Wiremold #AL2018)	29.80	4.66
26 05 33 23-0330	EA	2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043)	48.01	9.23
26 05 33 23-0331	EA	4-13/16" Round Fixture Box (Wiremold #AL2038)	116.86	8.29
26 05 33 23-0332	EA	4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044)	49.97	8.29
26 05 33 23-0333	EA	4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2)	106.94	9.23
26 05 33 23-0334	EA	Single Gang Shallow Device Box (Wiremold #AL2047)	51.87	8.29
26 05 33 23-0335	EA	2-Gang Shallow Device Box (Wiremold #AL2047-2)	94.07	9.23
26 05 33 23-0336	EA	Flush Plate Adapter (Wiremold #AL2051H)	38.03	9.23

26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400) *(26 05 33 23-0315)*

26 05 33 23-0338	LF	2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B)	11.60	2.33
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0339	LF	Aluminum Raceway Cover (Wiremold #AL2400C)	5.55	0.46
26 05 33 23-0340	EA	Wire Clip (Wiremold #AL2400WC)	6.86	1.87
26 05 33 23-0341	EA	Coupling (Wiremold #AL2401)	12.24	2.33
26 05 33 23-0342	EA	Cover Clip (Wiremold #AL2406)	9.09	1.39
26 05 33 23-0343	EA	Ground Clamp (Wiremold #AL2409)	7.93	1.87
26 05 33 23-0344	EA	Blank End (Wiremold #AL2410B)	9.74	2.33
26 05 33 23-0345	EA	End Fitting (Wiremold #AL2410B2)	20.14	6.99
26 05 33 23-0346	EA	Flat 90 Degree Elbow (Wiremold #AL2411)	38.86	6.99
26 05 33 23-0347	EA	Tee (Wiremold #AL2415)	42.64	6.90
26 05 33 23-0348	EA	Fourway Fitting (Wiremold #AL2416)	50.54	6.90
26 05 33 23-0349	EA	Internal Coupling (Wiremold #AL2417)	38.74	6.90
26 05 33 23-0350	EA	External Coupling (Wiremold #AL2418)	41.91	6.90
26 05 33 23-0351	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H)	34.40	6.99

26 05 33 23-0352 2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300) *(26 05 33 23-0315)*

26 05 33 23-0353	LF	2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B)	21.28	4.19
		For Concrete Or Masonry Surface, Add	*0.42*	
26 05 33 23-0354	LF	Aluminum Raceway Cover (Wiremold #AL3300CE)	6.78	0.46
26 05 33 23-0355	LF	Raceway Divider (Wiremold #AL3300D)	5.54	4.19
26 05 33 23-0356	EA	Wire Clips For Conductors (Wiremold #AL3300WC)	10.50	1.87
26 05 33 23-0357	EA	Couplings (Wiremold #AL3301)	17.99	1.87
26 05 33 23-0358	EA	Divider Coupling (Wiremold #AL3301D)	15.75	2.33
26 05 33 23-0359	EA	Ground Clamp (Wiremold #AL3309)	10.39	1.87
26 05 33 23-0360	EA	Blank End Fittings (Wiremold #AL3310B)	21.71	3.73
26 05 33 23-0361	EA	End Fitting (Wiremold #AL3310B1)	33.41	8.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0362	EA	Flat 90 Degree Elbow (Wiremold #AL3311) Note: Includes two (2) AL3301 couplings.	111.87	11.55
26 05 33 23-0363	EA	Tee Fitting (Wiremold #AL3315) Note: Includes three (3) AL3301 couplings.	127.52	14.45
26 05 33 23-0364	EA	Cross Fitting (Wiremold #AL3316) Note: Includes four (4) AL3301 couplings.	145.48	14.45
26 05 33 23-0365	EA	Internal Elbow (Wiremold #AL3317) Note: Includes two (2) AL3301 couplings.	106.13	8.86
26 05 33 23-0366	EA	External Elbow (Wiremold #AL3318) Note: Includes two (2) AL3301 couplings.	106.25	8.86
26 05 33 23-0367	EA	Duplex Receptacle Cover (Wiremold #AL3346D)	23.00	2.80
26 05 33 23-0368	EA	Single Receptacle Cover (Wiremold #AL3346E)	22.84	2.80
26 05 33 23-0369	EA	GFCI/Surge Receptacle Cover (Wiremold #AL3346G)	22.58	2.80
26 05 33 23-0370	EA	Single Device Cover Plate (Wiremold #AL3356R)	22.90	2.33
26 05 33 23-0371		5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200) *(26 05 33 23-0315)*		
26 05 33 23-0372	LF	5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10)	25.89	4.19
		For Concrete Or Masonry Surface, Add	*0.45*	
26 05 33 23-0373	LF	Aluminum Raceway Cover (Wiremold #AL5200C)	11.16	0.46
26 05 33 23-0374	LF	Divider (Wiremold #AL5200D)	6.45	0.46
26 05 33 23-0375	EA	Wire Clips For Conductors (Wiremold #AL5200WC)	8.62	2.33
26 05 33 23-0376	EA	Wire Clips For Conductors (Wiremold #AL5200WC2)	7.12	2.33
26 05 33 23-0377	EA	Wire Clips For Conductors (Wiremold #AL5200WC3)	7.06	2.33
26 05 33 23-0378	EA	Couplings (Wiremold #AL5201)	16.07	2.80
26 05 33 23-0379	EA	Cover Clip (Wiremold #AL5206)	14.73	2.80
26 05 33 23-0380	EA	Ground Adapter (Wiremold #AL5209)	17.96	2.80
26 05 33 23-0381	EA	Blank End Fittings (Wiremold #AL5210B)	19.33	3.73
26 05 33 23-0382	EA	Blank End Fittings (Wiremold #AL5210B1)	20.89	3.73
26 05 33 23-0383	EA	Blank End Fittings (Wiremold #AL5210B2)	21.24	3.73
26 05 33 23-0384	EA	Blank End Fittings (Wiremold #AL5210B3)	20.53	3.73
26 05 33 23-0385	EA	Flat 90 Degree Elbow (Wiemold #AL5211) Note: Includes two (2) pairs of AL5201 couplings.	111.37	11.66
26 05 33 23-0386	EA	Wall Box Connector (Wiremold #AL5214)	84.79	14.45
26 05 33 23-0387	EA	Tee Fitting (Wiremold #AL5215) Note: Includes three (3) pairs of AL5201 couplings.	129.90	14.45
26 05 33 23-0388	EA	Four Way Fitting (Wiremold #AL5216) Note: Includes four (4) pairs of AL5201 couplings.	143.24	14.45
26 05 33 23-0389	EA	Internal Elbow (Wiremold #AL5217) Note: Includes two (2) pairs of AL5201 couplings.	114.36	14.45
26 05 33 23-0390	EA	Internal Corner Coupling (Wiremold #AL5217A)	44.10	14.45
26 05 33 23-0391	EA	Inverted Internal Elbow (Wiremold #AL5217N)	117.76	14.45
26 05 33 23-0392	EA	External Elbow (Wiremold #AL5218) Note: Includes two (2) pairs of AL5201 couplings.	115.42	14.45
26 05 33 23-0393	EA	Blank Device Cover Plate (Wiremold #AL5246B)	24.91	2.80
26 05 33 23-0394	EA	Receptacle Device Cover Plate (Wiremold #AL5246D)	29.79	2.80
26 05 33 23-0395	EA	Double Receptacle Device Cover Plate (Wiremold #AL5246DD)	35.63	2.80
26 05 33 23-0396	EA	Device Cover Plate (Wiremold #AL5246F)	33.33	2.80
26 05 33 23-0397	EA	Device Cover Plate (Wiremold #AL5246G)	30.66	2.80
26 05 33 23-0398	EA	Offset Divider (Wiremold #AL5260)	27.64	6.06
26 05 33 23-0399		3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800) *(26 05 33 23-0315)*		
26 05 33 23-0400	LF	Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10)	22.79	4.19
26 05 33 23-0401	EA	Cover Clip (Wiremold #ALA3806)	10.55	2.80
26 05 33 23-0402	EA	Blank End Fittings (Wiremold #ALA3810B)	19.14	3.73
26 05 33 23-0403	EA	Entrance End Cap Fittings (Wiremold #ALA3810B1)	20.72	3.73
26 05 33 23-0404	EA	Flat 90 Degree Elbow (Wiremold #ALA3811) Note: Includes two (2) ALA01 couplings.	110.18	11.66
26 05 33 23-0405	EA	Flat Tee Fitting (Wiremold #ALA3815) Note: Includes three (3) ALA01 couplings.	112.37	14.45
26 05 33 23-0406	EA	Internal Elbow (Wiremold #ALA3817) Note: Includes two (2) ALA01 couplings.	109.37	14.45
26 05 33 23-0407	EA	Inverted Internal Elbow (Wiremold #ALA3817N) Note: Includes two (2) ALA01 couplings.	130.12	14.45
26 05 33 23-0408	EA	External Elbow (Wiremold #ALA3818) Note: Includes two (2) ALA01 couplings.	110.91	14.45
26 05 33 23-0409		6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800) *(26 05 33 23-0315)*		
26 05 33 23-0410	LF	Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10)	39.21	4.19
26 05 33 23-0411	EA	Cover Clip (Wiremold #ALA4806)	16.32	2.80
26 05 33 23-0412	EA	Blank End Fittings (Wiremold #ALA4810B)	21.32	3.73
26 05 33 23-0413	EA	Entrance End Cap Fittings (Wiremold #ALA4810B2)	24.06	3.73
26 05 33 23-0414	EA	Flat 90 Degree Elbow (Wiremold #ALA4811) Note: Includes four (4) ALA01 couplings.	148.55	11.66
26 05 33 23-0415	EA	Flat Tee Fitting (Wiremold #ALA4815) Note: Includes six (6) ALA01 couplings.	204.47	14.45
26 05 33 23-0416	EA	Internal Elbow (Wiremold #ALA4817) Note: Includes four (4) ALA01 couplings.	134.46	14.45

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0417	EA	Inverted Internal Elbow (Wiremold #ALA4817N) Note: Includes four (4) ALA01 couplings.	160.26	14.45
26 05 33 23-0418	EA	External Elbow (Wiremold #ALA4818) Note: Includes four (4) ALA01 couplings.	141.72	14.45
26 05 33 23-0419		Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800) *(26 05 33 23-0315)* See CSI section 26 27 26 00-0010 for receptacles.		
26 05 33 23-0420	LF	3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5) Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	8.49	0.46
26 05 33 23-0421	EA	Wire Clips (Wiremold #ALAWC)	7.23	2.33
26 05 33 23-0422	EA	Slide Couplings (Wiremold #ALA01)	17.57	2.80
26 05 33 23-0423	EA	Grounding Adapter (Wiremold #ALA09)	14.53	2.80
26 05 33 23-0424	EA	Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI)	39.35	11.66
26 05 33 23-0425	EA	Internal Corner Coupling (Wiremold #ALA17A)	46.53	14.45
26 05 33 23-0426	EA	Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI)	44.80	11.66
26 05 33 23-0427	EA	Blank Cover Plate (Wiremold #ALA-BL)	20.27	2.80
26 05 33 23-0428	EA	Duplex Receptacle Cover Plate (Wiremold #ALA-DR)	21.76	2.80
26 05 33 23-0429	EA	Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E)	22.74	2.80
26 05 33 23-0430	EA	Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F)	21.82	2.80
26 05 33 23-0431	EA	GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G)	21.96	2.80
26 05 33 23-0432	EA	Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J)	22.76	2.80
26 05 33 23-0433	EA	Toggle Switch Cover Plate (Wiremold #ALA-N)	23.41	2.80
26 05 33 23-0434	EA	Active LPB Cover Plate (Wiremold #ALA-LPB)	30.63	2.80
26 05 33 23-0435	EA	Active MAB Cover Plate (Wiremold #ALA-MAB)	28.66	2.80
26 05 33 23-0436	EA	Ortronics Cover Plate (Wiremold #ALA-MABRT)	33.37	2.80
26 05 33 23-0437	EA	1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG)	20.79	2.80
26 05 33 23-0438	EA	Active 2A Cover Plate (Wiremold #ALA-2A)	32.16	2.80
26 05 33 23-0439	EA	Ortronics Communications Cover Plate (Wiremold #ALA-ABRT)	29.24	2.80
26 05 33 23-0440	EA	3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z)	23.35	2.80
26 05 33 23-0441	EA	Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2)	29.53	2.80
26 05 33 23-0442		Surface Non-Metallic Raceways *(26 05 33 23-0001)* Note: Exposed on flat wall surface.		
26 05 33 23-0443		One Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)* Note: Exposed on flat wall surface. (Wiremold or approved equal).		
26 05 33 23-0444		7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400) *(26 05 33 23-0443)*		
26 05 33 23-0445	LF	7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)	5.64	1.87
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0446	EA	Wire Clip (Wiremold #400WC)	4.13	1.87
26 05 33 23-0447	EA	Cover Clip (Wiremold #406)	4.39	1.87
26 05 33 23-0448	EA	Blank End Clip (Wiremold #410B)	8.40	3.73
26 05 33 23-0449	EA	Flat 90 Degree Elbow (Wiremold #411)	9.99	3.73
26 05 33 23-0450	EA	Tee (Wiremold #415)	12.58	4.66
26 05 33 23-0451	EA	Internal Elbow (Wiremold #417)	9.79	3.73
26 05 33 23-0452	EA	External Elbow (Wiremold #418)	9.79	3.73
26 05 33 23-0453		1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800) *(26 05 33 23-0443)*		
26 05 33 23-0454	LF	1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)	6.63	1.87
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0455	EA	Wire Clip (Wiremold #800WC)	4.21	1.87
26 05 33 23-0456	EA	Cover Clip (Wiremold #806)	4.32	1.87
26 05 33 23-0457	EA	Entrance End Fitting (Wiremold #810A2)	13.91	3.73
26 05 33 23-0458	EA	Blank End Fitting (Wiremold #810B)	8.50	3.73
26 05 33 23-0459	EA	Flat 90 Degree Elbow (Wiremold #811)	10.07	3.73
26 05 33 23-0460	EA	Tee (Wiremold #815)	12.65	4.66
26 05 33 23-0461	EA	Internal Elbow (Wiremold #817)	9.84	3.73
26 05 33 23-0462	EA	External Elbow (Wiremold #818)	9.84	3.73
26 05 33 23-0463	EA	End Reducer, #800 To #400 (Wiremold #889A)	11.31	3.73
26 05 33 23-0464		2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300) *(26 05 33 23-0443)*		
26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC)	7.78	1.87
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD)	8.33	1.87
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC)	4.46	1.87
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306)	4.74	1.87
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A)	15.27	3.73
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B)	9.05	3.73
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO)	17.40	3.73
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311)	10.30	3.73
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO)	11.20	3.73
26 05 33 23-0474	EA	Tee (Wiremold #2315)	12.79	4.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317)	10.30	3.73
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO)	11.21	3.73
26 05 33 23-0477	EA	External Elbow (Wiremold #2318)	10.32	3.73
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO)	11.37	3.73
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389)	11.39	3.73
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A)	11.97	3.73
26 05 33 23-0481		One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300) *(26 05 33 23-0443)*		
26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336)	13.09	3.26
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A)	22.23	3.73
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233)	22.36	3.73
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344)	20.01	3.73
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2)	23.46	3.73
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D)	21.96	3.73
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A)	24.00	3.73
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347)	18.87	6.06
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2)	21.91	6.06
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348)	19.76	6.06
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2)	24.35	6.06
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3)	29.67	6.06
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP)	27.98	6.06
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D)	25.07	6.06
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51)	18.41	6.06
26 05 33 23-0497		3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700) *(26 05 33 23-0443)*		
26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700)	5.23	1.87
		For Concrete Or Masonry Surface, Add	*0.19*	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC)	2.19	0.93
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706)	3.46	0.93
26 05 33 23-0501	EA	Blank End (Wiremold #2710B)	5.31	1.87
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711)	6.28	2.33
26 05 33 23-0503	EA	Tee (Wiremold #2715)	10.02	4.19
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717)	7.22	2.80
26 05 33 23-0505	EA	External Elbow (Wiremold #2718)	7.20	2.80
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786)	8.52	3.26
26 05 33 23-0507		1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800) *(26 05 33 23-0443)*		
26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800)	6.83	2.33
		For Concrete Or Masonry Surface, Add	*0.23*	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC)	3.27	1.39
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806)	4.56	1.39
26 05 33 23-0511	EA	Blank End (Wiremold #2810B)	6.42	2.33
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811)	8.37	3.26
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO)	9.00	3.26
26 05 33 23-0514	EA	Tee (Wiremold #2815)	12.09	5.13
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817)	9.27	3.73
26 05 33 23-0516	EA	External Elbow (Wiremold #2818)	9.30	3.73
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO)	12.94	5.13
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO)	10.04	3.73
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO)	9.93	3.73
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886)	10.46	4.19
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889)	9.45	3.73
26 05 33 23-0522		1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900) *(26 05 33 23-0443)*		
26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900)	8.33	2.80
		For Concrete Or Masonry Surface, Add	*0.28*	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC)	4.31	1.87
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906)	5.62	1.87
26 05 33 23-0526	EA	Blank End (Wiremold #2910B)	7.49	2.80
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911)	9.37	3.73
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO)	10.37	3.73
26 05 33 23-0529	EA	Radiused Tee (Wiremold #2915FO)	14.11	5.60
26 05 33 23-0530	EA	Tee (Wiremold #2915)	13.09	5.60
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917)	10.30	4.19
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO)	11.34	4.19
26 05 33 23-0533	EA	External Elbow (Wiremold #2918)	10.28	4.19
26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)	11.63	4.19
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)	10.46	4.19
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)	11.62	4.66
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)	11.28	4.66
26 05 33 23-0538		Two Piece Surface Non-Metallic Raceways *(26 05 33 23-0442)*		
		Note: Exposed on flat wall surface. (Wiremold or approved equal).		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0539		**5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** *(26 05 33 23-0538)*		
26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)	12.87	4.19
		For Concrete Or Masonry Surface, Add	*0.42*	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)	12.18	4.19
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)	23.79	4.19
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)	19.20	4.19
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)	1.75	0.46
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)	7.58	0.46
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)	4.66	0.46
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)	11.68	4.66
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)	6.62	2.33
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)	8.92	2.80
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)	12.65	4.66
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)	11.76	4.66
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)	13.59	4.66
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)	24.41	9.32
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)	25.35	9.32
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)	21.08	8.86
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)	41.58	14.45
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)	28.48	11.66
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)	25.97	9.32
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)	17.65	6.99
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)	28.41	11.66
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)	26.22	9.32
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)	11.51	4.66
26 05 33 23-0563		**5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** *(26 05 33 23-0538)*		
26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)	14.20	4.19
		For Concrete Or Masonry Surface, Add	*0.42*	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)	5.19	0.46
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)	3.29	0.46
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)	5.28	2.33
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)	9.21	2.80
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)	7.65	2.80
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)	6.76	2.80
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)	52.85	14.45
26 05 33 23-0572	EA	End Cap (Wiremold #5410)	25.38	8.86
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)	50.61	14.45
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)	46.54	11.66
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)	53.41	14.45
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)	56.11	14.45
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)	43.52	14.45
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)	44.19	14.45
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)	44.82	14.45
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)	21.68	4.66
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)	29.04	4.66
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)	16.25	4.66
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)	46.08	14.45
26 05 33 23-0584		**6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)** *(26 05 33 23-0538)*		
26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)	18.05	4.19
		For Concrete Or Masonry Surface, Add	*0.42*	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)	6.86	0.46
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)	6.26	2.33
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)	10.45	2.80
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)	7.18	2.80
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)	9.69	2.80
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)	9.73	2.80
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)	9.79	2.80
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)	9.79	2.80
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)	9.68	2.80
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)	9.70	2.80
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)	9.62	2.80
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)	9.65	2.80
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)	9.73	2.80
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)	9.51	2.80
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)	26.19	4.66
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)	35.68	4.66
26 05 33 23-0602	EA	End Cap (Wiremold #5510)	27.76	8.86
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)	58.22	14.45
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)	53.56	11.66
26 05 33 23-0605	EA	Backfeed Connector (Wiremold #5514A)	42.35	11.66
26 05 33 23-0606	EA	Tee Fitting (Wiremold #5515)	61.37	14.45
26 05 33 23-0607	EA	Radiused Internal Elbow (Wiremold #5517FO)	48.38	14.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0608	EA	External Elbow (Wiremold #5518)	49.68	14.45
26 05 33 23-0609	EA	Radiused External Elbow (Wiremold #5518FO)	52.42	14.45
26 05 33 23-0610	EA	Transition Fitting (Wiremold #5574)	47.07	14.45
26 05 33 23-0611	EA	Transition Fitting (Wiremold #5574A)	64.81	14.45
26 05 33 23-0612		Surface Cable Protection System *(26 05 33 23)*		
26 05 33 23-0613	EA	35-1/2" Long x 18-9/16" Wide x 3" High, Three Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-3) Note: Modular interlocking design with hinged lid.	641.14	
26 05 33 23-0614	EA	35-3/4" Long x 19-3/4" Wide x 1-7/8" High, Five Channel, Heavy-Duty Polyurethene, Surface Cable Protector (Yellow Jacket® CP-YJHD-5) Note: Modular interlocking design with hinged lid.	482.47	

26 05 36 Cable Trays for Electrical Systems *(26 05)*

26 05 36 00-0001		Cable Trays *(26 05 36)* Note: Excludes supporting hangers.		
26 05 36 00-0002		Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0001)*		
26 05 36 00-0003		4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0002)*		
26 05 36 00-0004		4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0005	LF	6" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.99	9.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.18*	
26 05 36 00-0006	LF	9" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.27	10.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.45*	
26 05 36 00-0007	LF	12" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.35	11.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.79*	
26 05 36 00-0008	LF	18" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.05	12.04
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.31*	
26 05 36 00-0009	LF	24" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	58.65	12.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.83*	
26 05 36 00-0010	LF	30" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	71.87	14.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.99*	
26 05 36 00-0011	LF	36" Wide, 4" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	80.50	16.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-6.69*	
26 05 36 00-0012		6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0013	LF	6" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.51	9.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.95*	
26 05 36 00-0014	LF	9" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.69	10.21
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.22*	
26 05 36 00-0015	LF	12" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	43.33	11.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.41*	
26 05 36 00-0016	LF	18" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	47.76	11.73
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.80*	
26 05 36 00-0017	LF	24" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	51.76	12.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.17*	
26 05 36 00-0018	LF	30" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	60.98	13.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.93*	
26 05 36 00-0019	LF	36" Wide, 6" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	66.59	15.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-5.38*	
26 05 36 00-0020		9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0021	LF	6" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	36.05	9.49
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.82*	
26 05 36 00-0022	LF	9" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.09	9.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.89*	
26 05 36 00-0023	LF	12" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	41.09	10.41
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.24*	
26 05 36 00-0024	LF	18" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	45.22	10.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.61*	
26 05 36 00-0025	LF	24" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.35	11.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.00*	
26 05 36 00-0026	LF	30" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	53.81	12.24
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.36*	
26 05 36 00-0027	LF	36" Wide, 9" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	57.75	13.26
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-4.67*	
26 05 36 00-0028		12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*		
26 05 36 00-0029	LF	6" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	35.02	9.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0030	LF	9" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	35.75	9.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.80*	
26 05 36 00-0031	LF	12" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.89	9.80
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.97*	
26 05 36 00-0032	LF	18" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	40.18	10.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.16*	
26 05 36 00-0033	LF	24" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.07	10.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.35*	
26 05 36 00-0034	LF	30" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	46.63	11.12
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.74*	
26 05 36 00-0035	LF	36" Wide, 12" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	49.15	11.63
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.94*	

26 05 36 00-0036 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray *(26 05 36 00-0003)*

26 05 36 00-0037	LF	6" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	34.57	8.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.71*	
26 05 36 00-0038	LF	9" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	35.16	9.08
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.76*	
26 05 36 00-0039	LF	12" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	37.30	9.60
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-2.93*	
26 05 36 00-0040	LF	18" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.19	10.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.08*	
26 05 36 00-0041	LF	24" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	39.89	10.11
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.15*	
26 05 36 00-0042	LF	30" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	42.31	10.82
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.33*	
26 05 36 00-0043	LF	36" Wide, 18" Rung Spacing, 4-5/8" High, Straight Sections, Ladder Bottom Galvanized Steel Cable Tray	44.10	11.43
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-3.46*	

26 05 36 00-0044 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0045 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0046	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	298.38	102.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.31*	
26 05 36 00-0047	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	332.30	116.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.52*	
26 05 36 00-0048	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	364.91	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.75*	
26 05 36 00-0049	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.10	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.65*	
26 05 36 00-0050	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.44	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.03*	
26 05 36 00-0051	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.32	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.82*	
26 05 36 00-0052	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	725.65	233.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.13*	

26 05 36 00-0053 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0054	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.23	106.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.25*	
26 05 36 00-0055	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	475.87	122.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.39*	
26 05 36 00-0056	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	508.85	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.55*	
26 05 36 00-0057	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	585.99	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.52*	
26 05 36 00-0058	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	653.39	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.01*	
26 05 36 00-0059	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	725.94	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.05*	
26 05 36 00-0060	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	851.60	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0061		36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0062	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	477.64	111.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.49*	
26 05 36 00-0063	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	523.02	128.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.57*	
26 05 36 00-0064	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	562.89	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.28*	
26 05 36 00-0065	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	671.61	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.05*	
26 05 36 00-0066	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	760.69	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.33*	
26 05 36 00-0067	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	895.23	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.11*	
26 05 36 00-0068	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,011.23	287.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.15*	
26 05 36 00-0069		12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0070	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	223.04	74.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.12*	
		For 30 Degree Bend, Deduct	*-79.41*	
		For 60 Degree Bend, Deduct	*-45.18*	
26 05 36 00-0071	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.74	88.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.76*	
		For 30 Degree Bend, Deduct	*-86.57*	
		For 60 Degree Bend, Deduct	*-48.98*	
26 05 36 00-0072	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.64	102.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.26*	
		For 30 Degree Bend, Deduct	*-93.17*	
		For 60 Degree Bend, Deduct	*-52.50*	
26 05 36 00-0073	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	328.56	128.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.11*	
		For 30 Degree Bend, Deduct	*-105.49*	
		For 60 Degree Bend, Deduct	*-58.99*	
26 05 36 00-0074	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.39	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.78*	
		For 30 Degree Bend, Deduct	*-133.02*	
		For 60 Degree Bend, Deduct	*-74.54*	
26 05 36 00-0075	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	488.97	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.78*	
		For 30 Degree Bend, Deduct	*-163.14*	
		For 60 Degree Bend, Deduct	*-91.84*	
26 05 36 00-0076	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.64	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.22*	
		For 30 Degree Bend, Deduct	*-178.12*	
		For 60 Degree Bend, Deduct	*-99.77*	
26 05 36 00-0077		24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0078	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	253.31	76.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.96*	
		For 30 Degree Bend, Deduct	*-94.70*	
		For 60 Degree Bend, Deduct	*-54.27*	
26 05 36 00-0079	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.71	92.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.08*	
		For 30 Degree Bend, Deduct	*-104.42*	
		For 60 Degree Bend, Deduct	*-59.58*	
26 05 36 00-0080	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.71	106.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.89*	
		For 30 Degree Bend, Deduct	*-118.10*	
		For 60 Degree Bend, Deduct	*-67.31*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0081		EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.00	136.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.76*	
			For 30 Degree Bend, Deduct	*-130.18*	
			For 60 Degree Bend, Deduct	*-73.57*	
26 05 36 00-0082		EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.29	168.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.75*	
			For 30 Degree Bend, Deduct	*-159.00*	
			For 60 Degree Bend, Deduct	*-89.77*	
26 05 36 00-0083		EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	549.89	196.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.66*	
			For 30 Degree Bend, Deduct	*-188.11*	
			For 60 Degree Bend, Deduct	*-106.33*	
26 05 36 00-0084		EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.60	233.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.02*	
			For 30 Degree Bend, Deduct	*-218.42*	
			For 60 Degree Bend, Deduct	*-123.27*	

26 05 36 00-0085 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0086		EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.19	78.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.64*	
			For 30 Degree Bend, Deduct	*-125.65*	
			For 60 Degree Bend, Deduct	*-72.76*	
26 05 36 00-0087		EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	350.61	95.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.07*	
			For 30 Degree Bend, Deduct	*-136.89*	
			For 60 Degree Bend, Deduct	*-78.94*	
26 05 36 00-0088		EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.36	111.33
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.76*	
			For 30 Degree Bend, Deduct	*-144.26*	
			For 60 Degree Bend, Deduct	*-82.84*	
26 05 36 00-0089		EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	451.27	144.09
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.12*	
			For 30 Degree Bend, Deduct	*-164.12*	
			For 60 Degree Bend, Deduct	*-93.67*	
26 05 36 00-0090		EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	525.50	181.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.44*	
			For 30 Degree Bend, Deduct	*-183.23*	
			For 60 Degree Bend, Deduct	*-103.89*	
26 05 36 00-0091		EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.99	212.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.56*	
			For 30 Degree Bend, Deduct	*-229.46*	
			For 60 Degree Bend, Deduct	*-130.58*	
26 05 36 00-0092		EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	750.13	257.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.54*	
			For 30 Degree Bend, Deduct	*-262.25*	
			For 60 Degree Bend, Deduct	*-148.76*	

26 05 36 00-0093 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0094		EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	327.72	102.05
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.27*	
26 05 36 00-0095		EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.56	116.54
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.84*	
26 05 36 00-0096		EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	381.44	128.89
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.41*	
26 05 36 00-0097		EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.23	157.96
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.56*	
26 05 36 00-0098		EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.46	181.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.23*	
26 05 36 00-0099		EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	535.84	204.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.58*	
26 05 36 00-0100		EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	591.24	232.97
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.71*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0101		24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0102	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	400.28	106.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.16*	
26 05 36 00-0103	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	432.40	122.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.04*	
26 05 36 00-0104	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.13	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.07*	
26 05 36 00-0105	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.64	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.08*	
26 05 36 00-0106	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	589.39	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.61*	
26 05 36 00-0107	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.03	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.26*	
26 05 36 00-0108	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	741.14	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.64*	
26 05 36 00-0109		36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0110	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.19	111.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.35*	
26 05 36 00-0111	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	526.39	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.90*	
26 05 36 00-0112	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.50	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.54*	
26 05 36 00-0113	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.91	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.18*	
26 05 36 00-0114	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.09	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.17*	
26 05 36 00-0115	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.56	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.55*	
26 05 36 00-0116	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	896.28	287.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.65*	
26 05 36 00-0117		12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0118	EA	6" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	579.17	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.58*	
26 05 36 00-0119	EA	9" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	626.18	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.88*	
26 05 36 00-0120	EA	12" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	657.23	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.18*	
26 05 36 00-0121	EA	18" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	736.07	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.20*	
26 05 36 00-0122	EA	24" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	837.56	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.10*	
26 05 36 00-0123	EA	30" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	940.24	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.00*	
26 05 36 00-0124	EA	36" Wide, 12" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,064.06	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.21*	
26 05 36 00-0125		24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0126	EA	6" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	750.55	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0127	EA	9" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	803.47	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.90*	
26 05 36 00-0128	EA	12" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	837.83	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.37*	
26 05 36 00-0129	EA	18" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	916.71	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.01*	
26 05 36 00-0130	EA	24" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,015.25	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.01*	
26 05 36 00-0131	EA	30" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,094.21	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.22*	
26 05 36 00-0132	EA	36" Wide, 24" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,333.13	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.90*	

26 05 36 00-0133 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0134	EA	6" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	980.61	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.62*	
26 05 36 00-0135	EA	9" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,043.81	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.91*	
26 05 36 00-0136	EA	12" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,108.92	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.24*	
26 05 36 00-0137	EA	18" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,215.00	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.99*	
26 05 36 00-0138	EA	24" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,377.68	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.65*	
26 05 36 00-0139	EA	30" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,495.19	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.10*	
26 05 36 00-0140	EA	36" Wide, 36" Radius, Horizontal Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,672.52	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.17*	

26 05 36 00-0141 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0142	EA	6" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.92	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.08*	
26 05 36 00-0143	EA	9" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	747.59	188.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.05*	
26 05 36 00-0144	EA	12" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	763.84	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.05*	
26 05 36 00-0145	EA	18" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	799.54	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.21*	
26 05 36 00-0146	EA	24" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	823.06	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.77*	
26 05 36 00-0147	EA	30" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	890.59	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.65*	
26 05 36 00-0148	EA	36" Wide, 12" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	954.39	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.78*	

26 05 36 00-0149 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*

26 05 36 00-0150	EA	6" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,103.04	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.97*	
26 05 36 00-0151	EA	9" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,127.83	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.78*	
26 05 36 00-0152	EA	12" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,153.81	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.64*	
26 05 36 00-0153	EA	18" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,210.50	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0154	EA	24" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,252.40	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.83*	
26 05 36 00-0155	EA	30" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,319.97	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.34*	
26 05 36 00-0156	EA	36" Wide, 24" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,414.75	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.96*	
26 05 36 00-0157		36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0158	EA	6" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,805.82	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-162.84*	
26 05 36 00-0159	EA	9" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,840.64	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.52*	
26 05 36 00-0160	EA	12" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,877.59	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.31*	
26 05 36 00-0161	EA	18" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,937.02	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.23*	
26 05 36 00-0162	EA	24" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,979.51	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-175.29*	
26 05 36 00-0163	EA	30" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,093.14	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.80*	
26 05 36 00-0164	EA	36" Wide, 36" Radius, Vertical Tees, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,184.21	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.30*	
26 05 36 00-0165		12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0166	EA	6" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.99	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.69*	
26 05 36 00-0167	EA	9" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.38	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.26*	
26 05 36 00-0168	EA	12" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	811.18	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.46*	
26 05 36 00-0169	EA	18" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	872.40	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.22*	
26 05 36 00-0170	EA	24" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	981.14	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.92*	
26 05 36 00-0171	EA	30" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,106.33	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.51*	
26 05 36 00-0172	EA	36" Wide, 12" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,212.53	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.84*	
26 05 36 00-0173		24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0174	EA	6" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,059.92	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.34*	
26 05 36 00-0175	EA	9" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,106.06	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.58*	
26 05 36 00-0176	EA	12" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,154.70	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.96*	
26 05 36 00-0177	EA	18" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,229.89	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.79*	
26 05 36 00-0178	EA	24" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,359.51	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.53*	
26 05 36 00-0179	EA	30" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,460.46	408.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.03*	
26 05 36 00-0180	EA	36" Wide, 24" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,646.14	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.53*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0181			36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0182		EA	6" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,358.22	306.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.31*	
26 05 36 00-0183		EA	9" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,429.63	326.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.77*	
26 05 36 00-0184		EA	12" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,505.82	349.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.46*	
26 05 36 00-0185		EA	18" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,645.94	377.06
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.18*	
26 05 36 00-0186		EA	24" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,872.27	444.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.15*	
26 05 36 00-0187		EA	30" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,039.94	489.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.24*	
26 05 36 00-0188		EA	36" Wide, 36" Radius, Horizontal Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,226.97	544.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.30*	
26 05 36 00-0189			12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0190		EA	6" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	861.76	244.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.77*	
26 05 36 00-0191		EA	9" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	905.07	257.77
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.03*	
26 05 36 00-0192		EA	12" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	972.22	271.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.57*	
26 05 36 00-0193		EA	18" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,048.96	288.39
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.87*	
26 05 36 00-0194		EA	24" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,177.88	326.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.59*	
26 05 36 00-0195		EA	30" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,342.33	349.61
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.10*	
26 05 36 00-0196		EA	36" Wide, 12" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,474.63	376.55
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.08*	
26 05 36 00-0197			24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0198		EA	6" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,332.97	271.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.64*	
26 05 36 00-0199		EA	9" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,387.60	288.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.74*	
26 05 36 00-0200		EA	12" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,444.71	306.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.96*	
26 05 36 00-0201		EA	18" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,538.55	326.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.66*	
26 05 36 00-0202		EA	24" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,688.53	377.06
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.44*	
26 05 36 00-0203		EA	30" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,811.52	408.18
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.14*	
26 05 36 00-0204		EA	36" Wide, 24" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,053.17	444.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-168.24*	
26 05 36 00-0205			36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0044)*		
26 05 36 00-0206		EA	6" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,739.81	306.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0207	EA	9" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,828.19	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-155.62*	
26 05 36 00-0208	EA	12" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,921.33	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.01*	
26 05 36 00-0209	EA	18" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,103.85	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-178.97*	
26 05 36 00-0210	EA	24" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,381.06	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-201.03*	
26 05 36 00-0211	EA	30" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,591.13	489.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-218.36*	
26 05 36 00-0212	EA	36" Wide, 36" Radius, Vertical Crosses, 4" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,820.56	544.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-236.66*	

26 05 36 00-0213 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0214 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0215	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	280.12	102.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.49*	
26 05 36 00-0216	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.58	116.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.54*	
26 05 36 00-0217	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.46	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.61*	
26 05 36 00-0218	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	430.27	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.86*	
26 05 36 00-0219	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	490.13	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.90*	
26 05 36 00-0220	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	587.15	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.71*	
26 05 36 00-0221	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	677.53	233.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.31*	

26 05 36 00-0222 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0223	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.54	106.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.48*	
26 05 36 00-0224	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.02	122.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.51*	
26 05 36 00-0225	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.55	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.52*	
26 05 36 00-0226	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.51	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.17*	
26 05 36 00-0227	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.71	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.34*	
26 05 36 00-0228	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.20	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.98*	
26 05 36 00-0229	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	791.30	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.66*	

26 05 36 00-0230 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0231	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.89	111.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.32*	
26 05 36 00-0232	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	478.96	128.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0233	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	516.79	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.67*	
26 05 36 00-0234	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	618.85	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.77*	
26 05 36 00-0235	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	702.71	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.53*	
26 05 36 00-0236	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	825.65	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.16*	
26 05 36 00-0237	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	935.28	287.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.55*	
26 05 36 00-0238		**12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0239	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	208.83	74.18
		For 60 Degree Bend, Deduct	*-40.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.70*	
		For 30 Degree Bend, Deduct	*-71.60*	
26 05 36 00-0240	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	236.95	88.98
		For 60 Degree Bend, Deduct	*-44.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.28*	
		For 30 Degree Bend, Deduct	*-78.44*	
26 05 36 00-0241	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	262.27	102.05
		For 60 Degree Bend, Deduct	*-47.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.72*	
		For 30 Degree Bend, Deduct	*-84.72*	
26 05 36 00-0242	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	312.33	128.99
		For 60 Degree Bend, Deduct	*-53.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.49*	
		For 30 Degree Bend, Deduct	*-96.56*	
26 05 36 00-0243	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	388.52	157.96
		For 60 Degree Bend, Deduct	*-67.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.69*	
		For 30 Degree Bend, Deduct	*-121.54*	
26 05 36 00-0244	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.30	181.34
		For 60 Degree Bend, Deduct	*-83.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.12*	
		For 30 Degree Bend, Deduct	*-148.47*	
26 05 36 00-0245	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	521.81	212.87
		For 60 Degree Bend, Deduct	*-90.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.44*	
		For 30 Degree Bend, Deduct	*-162.81*	
26 05 36 00-0246		**24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0247	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	235.34	76.53
		For 60 Degree Bend, Deduct	*-48.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.16*	
		For 30 Degree Bend, Deduct	*-84.82*	
26 05 36 00-0248	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	268.57	92.25
		For 60 Degree Bend, Deduct	*-53.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.17*	
		For 30 Degree Bend, Deduct	*-93.89*	
26 05 36 00-0249	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	306.26	106.54
		For 60 Degree Bend, Deduct	*-60.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.75*	
		For 30 Degree Bend, Deduct	*-106.30*	
26 05 36 00-0250	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	358.97	136.03
		For 60 Degree Bend, Deduct	*-66.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.56*	
		For 30 Degree Bend, Deduct	*-118.06*	
26 05 36 00-0251	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	441.62	168.99
		For 60 Degree Bend, Deduct	*-80.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.08*	
		For 30 Degree Bend, Deduct	*-144.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0252	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	518.00	196.03
		For 60 Degree Bend, Deduct	*-95.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.47*	
		For 30 Degree Bend, Deduct	*-170.57*	
26 05 36 00-0253	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	608.07	233.38
		For 60 Degree Bend, Deduct	*-111.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.36*	
		For 30 Degree Bend, Deduct	*-198.32*	

26 05 36 00-0254 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0255	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	286.39	78.99
		For 60 Degree Bend, Deduct	*-64.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.06*	
		For 30 Degree Bend, Deduct	*-111.46*	
26 05 36 00-0256	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.36	95.92
		For 60 Degree Bend, Deduct	*-69.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.34*	
		For 30 Degree Bend, Deduct	*-121.90*	
26 05 36 00-0257	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.53	111.33
		For 60 Degree Bend, Deduct	*-73.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.98*	
		For 30 Degree Bend, Deduct	*-128.95*	
26 05 36 00-0258	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	421.12	144.09
		For 60 Degree Bend, Deduct	*-83.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.10*	
		For 30 Degree Bend, Deduct	*-147.54*	
26 05 36 00-0259	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.61	181.34
		For 60 Degree Bend, Deduct	*-93.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.25*	
		For 30 Degree Bend, Deduct	*-165.69*	
26 05 36 00-0260	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	601.82	212.87
		For 60 Degree Bend, Deduct	*-116.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.44*	
		For 30 Degree Bend, Deduct	*-206.81*	
26 05 36 00-0261	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	704.32	257.67
		For 60 Degree Bend, Deduct	*-133.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.96*	
		For 30 Degree Bend, Deduct	*-237.05*	

26 05 36 00-0262 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0263	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	315.11	102.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.01*	
26 05 36 00-0264	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	342.66	116.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.55*	
26 05 36 00-0265	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	368.10	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.07*	
26 05 36 00-0266	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	423.31	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.17*	
26 05 36 00-0267	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	468.97	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.78*	
26 05 36 00-0268	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.18	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.01*	
26 05 36 00-0269	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	575.00	232.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.09*	

26 05 36 00-0270 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0271	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	382.45	106.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.37*	
26 05 36 00-0272	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.14	122.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0273	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	445.14	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.18*	
26 05 36 00-0274	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	511.63	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.08*	
26 05 36 00-0275	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	568.37	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.50*	
26 05 36 00-0276	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	625.85	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.05*	
26 05 36 00-0277	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	716.21	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.15*	

26 05 36 00-0278 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0279	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	462.13	111.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.94*	
26 05 36 00-0280	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.46	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.41*	
26 05 36 00-0281	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	530.27	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.02*	
26 05 36 00-0282	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	615.66	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.45*	
26 05 36 00-0283	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	671.55	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.41*	
26 05 36 00-0284	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	768.25	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.42*	
26 05 36 00-0285	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	862.95	287.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.32*	

26 05 36 00-0286 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0287	EA	6" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	559.75	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.64*	
26 05 36 00-0288	EA	9" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	605.30	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.79*	
26 05 36 00-0289	EA	12" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	635.20	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.98*	
26 05 36 00-0290	EA	18" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	710.85	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.68*	
26 05 36 00-0291	EA	24" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	807.99	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.14*	
26 05 36 00-0292	EA	30" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.87	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.47*	
26 05 36 00-0293	EA	36" Wide, 12" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,024.05	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.21*	

26 05 36 00-0294 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0295	EA	6" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	720.11	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.27*	
26 05 36 00-0296	EA	9" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	771.58	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.71*	
26 05 36 00-0297	EA	12" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	804.78	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.07*	
26 05 36 00-0298	EA	18" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	881.05	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.45*	
26 05 36 00-0299	EA	24" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	976.40	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0300	EA	30" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,051.88	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.99*	
26 05 36 00-0301	EA	36" Wide, 24" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,278.92	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.47*	

26 05 36 00-0302 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0303	EA	6" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	935.09	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.06*	
26 05 36 00-0304	EA	9" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	996.55	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.18*	
26 05 36 00-0305	EA	12" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,058.47	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.19*	
26 05 36 00-0306	EA	18" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,160.79	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.57*	
26 05 36 00-0307	EA	24" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,316.51	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.53*	
26 05 36 00-0308	EA	30" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,428.51	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.43*	
26 05 36 00-0309	EA	36" Wide, 36" Radius, Horizontal Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,600.91	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.01*	

26 05 36 00-0310 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0311	EA	6" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	698.87	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.77*	
26 05 36 00-0312	EA	9" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	714.26	188.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.72*	
26 05 36 00-0313	EA	12" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	730.21	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.69*	
26 05 36 00-0314	EA	18" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	765.33	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.79*	
26 05 36 00-0315	EA	24" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	788.27	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.29*	
26 05 36 00-0316	EA	30" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	853.48	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.94*	
26 05 36 00-0317	EA	36" Wide, 12" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	915.84	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.93*	

26 05 36 00-0318 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*

26 05 36 00-0319	EA	6" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,043.32	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.00*	
26 05 36 00-0320	EA	9" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,067.24	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.72*	
26 05 36 00-0321	EA	12" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,092.35	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.49*	
26 05 36 00-0322	EA	18" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,147.30	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.29*	
26 05 36 00-0323	EA	24" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,187.46	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.34*	
26 05 36 00-0324	EA	30" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,253.29	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.67*	
26 05 36 00-0325	EA	36" Wide, 24" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,345.17	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.01*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0326			36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0327		EA	6" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,694.20	212.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.68*	
26 05 36 00-0328		EA	9" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,727.58	222.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-154.22*	
26 05 36 00-0329		EA	12" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,763.07	233.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-156.86*	
26 05 36 00-0330		EA	18" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,821.06	257.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.63*	
26 05 36 00-0331		EA	24" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,862.10	271.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.55*	
26 05 36 00-0332		EA	30" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,971.37	306.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-171.63*	
26 05 36 00-0333		EA	36" Wide, 36" Radius, Vertical Tees, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,061.00	349.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.98*	
26 05 36 00-0334			12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0335		EA	6" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.93	244.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.28*	
26 05 36 00-0336		EA	9" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	732.16	257.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.74*	
26 05 36 00-0337		EA	12" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	783.64	271.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.71*	
26 05 36 00-0338		EA	18" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	842.25	288.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.20*	
26 05 36 00-0339		EA	24" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	947.51	326.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.55*	
26 05 36 00-0340		EA	30" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,066.03	349.51
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.48*	
26 05 36 00-0341		EA	36" Wide, 12" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,167.59	377.06
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.34*	
26 05 36 00-0342			24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0343		EA	6" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,013.25	271.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.67*	
26 05 36 00-0344		EA	9" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,057.94	288.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.77*	
26 05 36 00-0345		EA	12" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,105.12	306.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.00*	
26 05 36 00-0346		EA	18" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,177.12	326.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.51*	
26 05 36 00-0347		EA	24" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,303.27	377.06
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.91*	
26 05 36 00-0348		EA	30" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,400.45	408.18
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.03*	
26 05 36 00-0349		EA	36" Wide, 24" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,576.56	444.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.58*	
26 05 36 00-0350			36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0213)*		
26 05 36 00-0351		EA	6" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,292.99	306.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0352	EA	9" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,361.50	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.95*	
26 05 36 00-0353	EA	12" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,434.79	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.36*	
26 05 36 00-0354	EA	18" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,567.67	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.35*	
26 05 36 00-0355	EA	24" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,785.29	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.45*	
26 05 36 00-0356	EA	30" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,945.72	489.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-153.82*	
26 05 36 00-0357	EA	36" Wide, 36" Radius, Horizontal Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,125.50	544.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.16*	
26 05 36 00-0358		**12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0359	EA	6" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	826.87	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.28*	
26 05 36 00-0360	EA	9" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	868.49	257.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.37*	
26 05 36 00-0361	EA	12" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	932.28	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.58*	
26 05 36 00-0362	EA	18" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.24	288.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.49*	
26 05 36 00-0363	EA	24" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,129.11	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.71*	
26 05 36 00-0364	EA	30" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,283.90	349.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.25*	
26 05 36 00-0365	EA	36" Wide, 12" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,409.48	376.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.57*	
26 05 36 00-0366		**24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0367	EA	6" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,265.29	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.87*	
26 05 36 00-0368	EA	9" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,317.81	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.76*	
26 05 36 00-0369	EA	12" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,372.83	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.77*	
26 05 36 00-0370	EA	18" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,462.05	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-119.01*	
26 05 36 00-0371	EA	24" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,606.98	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.28*	
26 05 36 00-0372	EA	30" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,724.51	408.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.44*	
26 05 36 00-0373	EA	36" Wide, 24" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,952.28	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.15*	
26 05 36 00-0374		**36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting** *(26 05 36 00-0213)*		
26 05 36 00-0375	EA	6" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,645.23	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.01*	
26 05 36 00-0376	EA	9" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,729.40	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.74*	
26 05 36 00-0377	EA	12" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,818.34	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.71*	
26 05 36 00-0378	EA	18" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,990.35	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.62*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0379		EA	24" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,254.95	444.92
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-188.41*	
26 05 36 00-0380		EA	30" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,454.51	489.00
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-204.70*	
26 05 36 00-0381		EA	36" Wide, 36" Radius, Vertical Crosses, 6" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,673.43	544.72
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-221.95*	

26 05 36 00-0382 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*

26 05 36 00-0383 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0384		EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	261.85	102.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.66*	
26 05 36 00-0385		EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	292.87	116.54
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.57*	
26 05 36 00-0386		EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	322.01	128.89
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.46*	
26 05 36 00-0387		EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.44	157.96
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.08*	
26 05 36 00-0388		EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	458.82	181.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.77*	
26 05 36 00-0389		EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	545.99	204.10
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.59*	
26 05 36 00-0390		EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.40	233.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.50*	

26 05 36 00-0391 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0392		EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	365.85	106.44
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.71*	
26 05 36 00-0393		EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	398.17	122.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.62*	
26 05 36 00-0394		EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	428.26	136.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.49*	
26 05 36 00-0395		EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	499.02	168.99
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.82*	
26 05 36 00-0396		EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.04	196.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.67*	
26 05 36 00-0397		EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.47	222.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.91*	
26 05 36 00-0398		EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.00	257.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.63*	

26 05 36 00-0399 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0400		EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	394.14	111.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.14*	
26 05 36 00-0401		EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	434.89	128.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.76*	
26 05 36 00-0402		EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	470.70	144.09
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.06*	
26 05 36 00-0403		EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	566.09	181.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.50*	
26 05 36 00-0404		EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	644.73	212.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0405	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	756.07	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.20*	
26 05 36 00-0406	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	859.32	287.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.96*	

26 05 36 00-0407 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0408	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	194.63	74.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.28*	
		For 60 Degree Bend, Deduct	*-35.80*	
		For 30 Degree Bend, Deduct	*-63.79*	
26 05 36 00-0409	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	222.17	88.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.81*	
		For 60 Degree Bend, Deduct	*-39.22*	
		For 30 Degree Bend, Deduct	*-70.31*	
26 05 36 00-0410	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	246.91	102.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.19*	
		For 60 Degree Bend, Deduct	*-42.36*	
		For 30 Degree Bend, Deduct	*-76.27*	
26 05 36 00-0411	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	296.09	128.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.86*	
		For 60 Degree Bend, Deduct	*-48.28*	
		For 30 Degree Bend, Deduct	*-87.63*	
26 05 36 00-0412	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	367.65	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.60*	
		For 60 Degree Bend, Deduct	*-60.77*	
		For 30 Degree Bend, Deduct	*-110.06*	
26 05 36 00-0413	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	435.63	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.45*	
		For 60 Degree Bend, Deduct	*-74.24*	
		For 30 Degree Bend, Deduct	*-133.80*	
26 05 36 00-0414	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	493.98	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.66*	
		For 60 Degree Bend, Deduct	*-81.40*	
		For 30 Degree Bend, Deduct	*-147.50*	

26 05 36 00-0415 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0416	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	217.36	76.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.36*	
		For 60 Degree Bend, Deduct	*-42.41*	
		For 30 Degree Bend, Deduct	*-74.93*	
26 05 36 00-0417	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	249.44	92.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.26*	
		For 60 Degree Bend, Deduct	*-46.95*	
		For 30 Degree Bend, Deduct	*-83.37*	
26 05 36 00-0418	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	284.81	106.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.60*	
		For 60 Degree Bend, Deduct	*-53.15*	
		For 30 Degree Bend, Deduct	*-94.51*	
26 05 36 00-0419	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	336.94	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.36*	
		For 60 Degree Bend, Deduct	*-59.03*	
		For 30 Degree Bend, Deduct	*-105.95*	
26 05 36 00-0420	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.95	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.42*	
		For 60 Degree Bend, Deduct	*-72.17*	
		For 30 Degree Bend, Deduct	*-129.67*	
26 05 36 00-0421	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	486.11	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.28*	
		For 60 Degree Bend, Deduct	*-85.28*	
		For 30 Degree Bend, Deduct	*-153.03*	
26 05 36 00-0422	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	571.54	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.71*	
		For 60 Degree Bend, Deduct	*-99.16*	
		For 30 Degree Bend, Deduct	*-178.23*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0423		36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0424	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	260.59	78.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.48*	
		For 60 Degree Bend, Deduct	*-55.73*	
		For 30 Degree Bend, Deduct	*-97.27*	
26 05 36 00-0425	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	296.11	95.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.62*	
		For 60 Degree Bend, Deduct	*-60.95*	
		For 30 Degree Bend, Deduct	*-106.91*	
26 05 36 00-0426	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	324.70	111.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.19*	
		For 60 Degree Bend, Deduct	*-64.48*	
		For 30 Degree Bend, Deduct	*-113.65*	
26 05 36 00-0427	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	390.97	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.09*	
		For 60 Degree Bend, Deduct	*-73.77*	
		For 30 Degree Bend, Deduct	*-130.96*	
26 05 36 00-0428	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	461.72	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.06*	
		For 60 Degree Bend, Deduct	*-82.85*	
		For 30 Degree Bend, Deduct	*-148.15*	
26 05 36 00-0429	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	560.66	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.33*	
		For 60 Degree Bend, Deduct	*-103.41*	
		For 30 Degree Bend, Deduct	*-184.18*	
26 05 36 00-0430	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	658.52	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.38*	
		For 60 Degree Bend, Deduct	*-118.53*	
		For 30 Degree Bend, Deduct	*-211.86*	
26 05 36 00-0431		12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0432	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	296.19	102.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.12*	
26 05 36 00-0433	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	323.31	116.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.62*	
26 05 36 00-0434	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	348.10	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.07*	
26 05 36 00-0435	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	402.44	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.08*	
26 05 36 00-0436	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	447.22	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.61*	
26 05 36 00-0437	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	496.70	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.66*	
26 05 36 00-0438	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	550.65	232.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.65*	
26 05 36 00-0439		24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0440	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	355.70	106.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.70*	
26 05 36 00-0441	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	386.74	122.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.47*	
26 05 36 00-0442	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	416.66	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.33*	
26 05 36 00-0443	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	481.63	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.08*	
26 05 36 00-0444	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	536.84	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0445	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	592.58	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.72*	
26 05 36 00-0446	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	678.81	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.41*	

26 05 36 00-0447 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0448	EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.03	111.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.33*	
26 05 36 00-0449	EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	464.06	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.67*	
26 05 36 00-0450	EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	492.44	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.23*	
26 05 36 00-0451	EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	574.78	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.36*	
26 05 36 00-0452	EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	630.23	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.28*	
26 05 36 00-0453	EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	721.28	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.72*	
26 05 36 00-0454	EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	812.94	287.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.32*	

26 05 36 00-0455 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0456	EA	6" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	520.90	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.76*	
26 05 36 00-0457	EA	9" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	563.55	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.61*	
26 05 36 00-0458	EA	12" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	591.13	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.57*	
26 05 36 00-0459	EA	18" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	660.40	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.63*	
26 05 36 00-0460	EA	24" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	748.85	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.23*	
26 05 36 00-0461	EA	30" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	834.13	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.39*	
26 05 36 00-0462	EA	36" Wide, 12" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	944.04	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.21*	

26 05 36 00-0463 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*

26 05 36 00-0464	EA	6" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	659.22	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.18*	
26 05 36 00-0465	EA	9" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	707.80	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.34*	
26 05 36 00-0466	EA	12" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	738.68	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.46*	
26 05 36 00-0467	EA	18" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	809.73	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.32*	
26 05 36 00-0468	EA	24" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	898.71	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.36*	
26 05 36 00-0469	EA	30" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	967.23	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.53*	
26 05 36 00-0470	EA	36" Wide, 24" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,170.49	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.63*	

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		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0471		36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0472	EA	6" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	844.06	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.96*	
26 05 36 00-0473	EA	9" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	902.04	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.73*	
26 05 36 00-0474	EA	12" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	957.58	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.10*	
26 05 36 00-0475	EA	18" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,052.36	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.72*	
26 05 36 00-0476	EA	24" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,194.17	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.29*	
26 05 36 00-0477	EA	30" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,295.15	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.10*	
26 05 36 00-0478	EA	36" Wide, 36" Radius, Horizontal Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,457.70	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.69*	
26 05 36 00-0479		12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0480	EA	6" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	632.77	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.16*	
26 05 36 00-0481	EA	9" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	647.58	188.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.05*	
26 05 36 00-0482	EA	12" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.96	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.96*	
26 05 36 00-0483	EA	18" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	696.91	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.95*	
26 05 36 00-0484	EA	24" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	718.69	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.33*	
26 05 36 00-0485	EA	30" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	779.26	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.52*	
26 05 36 00-0486	EA	36" Wide, 12" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	838.72	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.22*	
26 05 36 00-0487		24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0488	EA	6" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	923.87	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.05*	
26 05 36 00-0489	EA	9" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	946.06	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.60*	
26 05 36 00-0490	EA	12" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	969.43	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.20*	
26 05 36 00-0491	EA	18" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,020.90	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.65*	
26 05 36 00-0492	EA	24" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,057.58	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-85.35*	
26 05 36 00-0493	EA	30" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,119.93	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.34*	
26 05 36 00-0494	EA	36" Wide, 24" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,206.01	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.09*	
26 05 36 00-0495		36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0496	EA	6" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,470.97	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-129.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0497	EA	9" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,501.45	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.61*	
26 05 36 00-0498	EA	12" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,534.04	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.96*	
26 05 36 00-0499	EA	18" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,589.13	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.44*	
26 05 36 00-0500	EA	24" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,627.27	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.07*	
26 05 36 00-0501	EA	30" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,727.85	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-147.27*	
26 05 36 00-0502	EA	36" Wide, 36" Radius, Vertical Tees, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,814.58	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.34*	
26 05 36 00-0503		12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0504	EA	6" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	648.80	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.47*	
26 05 36 00-0505	EA	9" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	681.71	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.70*	
26 05 36 00-0506	EA	12" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	728.55	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.20*	
26 05 36 00-0507	EA	18" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	781.95	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.17*	
26 05 36 00-0508	EA	24" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	880.26	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.83*	
26 05 36 00-0509	EA	30" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	985.43	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.42*	
26 05 36 00-0510	EA	36" Wide, 12" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,077.72	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.35*	
26 05 36 00-0511		24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0512	EA	6" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	919.89	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-69.33*	
26 05 36 00-0513	EA	9" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	961.69	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.15*	
26 05 36 00-0514	EA	12" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,005.98	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.09*	
26 05 36 00-0515	EA	18" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,071.60	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.96*	
26 05 36 00-0516	EA	24" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,190.78	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.66*	
26 05 36 00-0517	EA	30" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,280.42	408.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.03*	
26 05 36 00-0518	EA	36" Wide, 24" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,437.40	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.66*	
26 05 36 00-0519		36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0520	EA	6" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,162.53	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.74*	
26 05 36 00-0521	EA	9" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,225.25	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.33*	
26 05 36 00-0522	EA	12" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,292.74	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.15*	
26 05 36 00-0523	EA	18" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,411.12	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0524	EA	24" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,611.35	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-124.05*	
26 05 36 00-0525	EA	30" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,757.28	489.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.97*	
26 05 36 00-0526	EA	36" Wide, 36" Radius, Horizontal Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,922.56	544.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-146.86*	
26 05 36 00-0527		12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0528	EA	6" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	757.09	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.30*	
26 05 36 00-0529	EA	9" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	795.35	257.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.05*	
26 05 36 00-0530	EA	12" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	852.41	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.59*	
26 05 36 00-0531	EA	18" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	917.80	288.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.75*	
26 05 36 00-0532	EA	24" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,031.59	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.96*	
26 05 36 00-0533	EA	30" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,167.03	349.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.57*	
26 05 36 00-0534	EA	36" Wide, 12" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,279.16	376.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.54*	
26 05 36 00-0535		24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0536	EA	6" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,129.93	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.34*	
26 05 36 00-0537	EA	9" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,178.25	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.80*	
26 05 36 00-0538	EA	12" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,229.06	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.39*	
26 05 36 00-0539	EA	18" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,309.03	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.71*	
26 05 36 00-0540	EA	24" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,443.88	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.97*	
26 05 36 00-0541	EA	30" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,550.47	408.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.03*	
26 05 36 00-0542	EA	36" Wide, 24" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,750.51	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.97*	
26 05 36 00-0543		36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0382)*		
26 05 36 00-0544	EA	6" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,456.06	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.09*	
26 05 36 00-0545	EA	9" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,531.83	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.99*	
26 05 36 00-0546	EA	12" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,612.36	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.11*	
26 05 36 00-0547	EA	18" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,763.36	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.92*	
26 05 36 00-0548	EA	24" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,002.73	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.19*	
26 05 36 00-0549	EA	30" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,181.27	489.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.37*	
26 05 36 00-0550	EA	36" Wide, 36" Radius, Vertical Crosses, 9" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,379.17	544.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-192.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0551		12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fittings *(26 05 36 00-0002)*		
26 05 36 00-0552		12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0553	EA	6" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	255.46	102.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.02*	
26 05 36 00-0554	EA	9" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	285.97	116.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.88*	
26 05 36 00-0555	EA	12" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.50	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.71*	
26 05 36 00-0556	EA	18" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.70	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.11*	
26 05 36 00-0557	EA	24" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	447.86	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.67*	
26 05 36 00-0558	EA	30" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	531.58	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.15*	
26 05 36 00-0559	EA	36" Wide, 12" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	612.56	233.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.82*	
26 05 36 00-0560		24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0561	EA	6" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	352.66	106.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.40*	
26 05 36 00-0562	EA	9" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	384.57	122.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.26*	
26 05 36 00-0563	EA	12" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	414.15	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.08*	
26 05 36 00-0564	EA	18" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	483.80	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.30*	
26 05 36 00-0565	EA	24" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	543.70	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.04*	
26 05 36 00-0566	EA	30" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	606.71	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.13*	
26 05 36 00-0567	EA	36" Wide, 24" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	709.89	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.51*	
26 05 36 00-0568		36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0569	EA	6" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	379.53	111.23
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.68*	
26 05 36 00-0570	EA	9" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	419.47	128.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.22*	
26 05 36 00-0571	EA	12" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	454.56	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.45*	
26 05 36 00-0572	EA	18" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	547.62	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.65*	
26 05 36 00-0573	EA	24" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.44	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.70*	
26 05 36 00-0574	EA	30" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	731.72	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.76*	
26 05 36 00-0575	EA	36" Wide, 36" Radius, Horizontal 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	832.74	287.78
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.30*	
26 05 36 00-0576		12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0577	EA	6" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	189.66	74.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.79*	
		For 30 Degree Bend, Deduct	*-61.05*	
		For 60 Degree Bend, Deduct	*-34.16*	
26 05 36 00-0578	EA	9" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	216.99	88.98
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.29*	
		For 30 Degree Bend, Deduct	*-67.46*	
		For 60 Degree Bend, Deduct	*-37.51*	
26 05 36 00-0579	EA	12" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	241.53	102.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.65*	
		For 30 Degree Bend, Deduct	*-73.31*	
		For 60 Degree Bend, Deduct	*-40.59*	
26 05 36 00-0580	EA	18" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	290.41	128.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.30*	
		For 30 Degree Bend, Deduct	*-84.50*	
		For 60 Degree Bend, Deduct	*-46.40*	
26 05 36 00-0581	EA	24" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	360.34	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.87*	
		For 30 Degree Bend, Deduct	*-106.04*	
		For 60 Degree Bend, Deduct	*-58.36*	
26 05 36 00-0582	EA	30" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	426.29	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.52*	
		For 30 Degree Bend, Deduct	*-128.67*	
		For 60 Degree Bend, Deduct	*-71.15*	
26 05 36 00-0583	EA	36" Wide, 12" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	484.24	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.68*	
		For 30 Degree Bend, Deduct	*-142.15*	
		For 60 Degree Bend, Deduct	*-78.19*	

26 05 36 00-0584 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0585	EA	6" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	211.07	76.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.73*	
		For 30 Degree Bend, Deduct	*-71.47*	
		For 60 Degree Bend, Deduct	*-40.33*	
26 05 36 00-0586	EA	9" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	242.74	92.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.59*	
		For 30 Degree Bend, Deduct	*-79.69*	
		For 60 Degree Bend, Deduct	*-44.74*	
26 05 36 00-0587	EA	12" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	277.30	106.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.85*	
		For 30 Degree Bend, Deduct	*-90.38*	
		For 60 Degree Bend, Deduct	*-50.67*	
26 05 36 00-0588	EA	18" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	329.22	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.58*	
		For 30 Degree Bend, Deduct	*-101.70*	
		For 60 Degree Bend, Deduct	*-56.49*	
26 05 36 00-0589	EA	24" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	405.61	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.48*	
		For 30 Degree Bend, Deduct	*-124.53*	
		For 60 Degree Bend, Deduct	*-69.09*	
26 05 36 00-0590	EA	30" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.95	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.16*	
		For 30 Degree Bend, Deduct	*-146.89*	
		For 60 Degree Bend, Deduct	*-81.60*	
26 05 36 00-0591	EA	36" Wide, 24" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	558.76	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.43*	
		For 30 Degree Bend, Deduct	*-171.20*	
		For 60 Degree Bend, Deduct	*-94.94*	

26 05 36 00-0592 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0593	EA	6" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	251.56	78.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.58*	
		For 30 Degree Bend, Deduct	*-92.31*	
		For 60 Degree Bend, Deduct	*-52.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0594	EA	9" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	286.57	95.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.66*	
		For 30 Degree Bend, Deduct	*-101.67*	
		For 60 Degree Bend, Deduct	*-57.80*	
26 05 36 00-0595	EA	12" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.96	111.33
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.22*	
		For 30 Degree Bend, Deduct	*-108.29*	
		For 60 Degree Bend, Deduct	*-61.26*	
26 05 36 00-0596	EA	18" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	380.42	144.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.03*	
		For 30 Degree Bend, Deduct	*-125.15*	
		For 60 Degree Bend, Deduct	*-70.29*	
26 05 36 00-0597	EA	24" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	450.56	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.94*	
		For 30 Degree Bend, Deduct	*-142.01*	
		For 60 Degree Bend, Deduct	*-79.16*	
26 05 36 00-0598	EA	30" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	546.25	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.88*	
		For 30 Degree Bend, Deduct	*-176.25*	
		For 60 Degree Bend, Deduct	*-98.65*	
26 05 36 00-0599	EA	36" Wide, 36" Radius, Horizontal 45 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	642.49	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.77*	
		For 30 Degree Bend, Deduct	*-203.05*	
		For 60 Degree Bend, Deduct	*-113.24*	

26 05 36 00-0600 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0601	EA	6" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	287.36	102.05
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.23*	
26 05 36 00-0602	EA	9" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	314.28	116.54
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.71*	
26 05 36 00-0603	EA	12" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	338.76	128.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.14*	
26 05 36 00-0604	EA	18" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	392.70	157.96
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.11*	
26 05 36 00-0605	EA	24" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	437.08	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.59*	
26 05 36 00-0606	EA	30" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	485.74	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.57*	
26 05 36 00-0607	EA	36" Wide, 12" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	539.28	232.97
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.51*	

26 05 36 00-0608 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0609	EA	6" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	343.22	106.44
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.45*	
26 05 36 00-0610	EA	9" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	373.96	122.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.19*	
26 05 36 00-0611	EA	12" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	403.37	136.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.00*	
26 05 36 00-0612	EA	18" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	467.62	168.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.68*	
26 05 36 00-0613	EA	24" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	522.13	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.88*	
26 05 36 00-0614	EA	30" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	577.06	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.17*	
26 05 36 00-0615	EA	36" Wide, 24" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	661.36	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.66*	

26 05 36 00-0616 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0617		EA	6" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	409.19	111.23
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.65*	
26 05 36 00-0618		EA	9" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	446.61	128.89
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.92*	
26 05 36 00-0619		EA	12" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	474.79	144.09
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.47*	
26 05 36 00-0620		EA	18" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	555.71	181.34
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.46*	
26 05 36 00-0621		EA	24" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	610.96	212.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.36*	
26 05 36 00-0622		EA	30" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	699.37	244.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.53*	
26 05 36 00-0623		EA	36" Wide, 36" Radius, Vertical 90 Degree Elbows, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	789.60	287.78
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.98*	

26 05 36 00-0624 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0625		EA	6" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	501.48	196.03
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.82*	
26 05 36 00-0626		EA	9" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	542.68	212.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.53*	
26 05 36 00-0627		EA	12" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	569.10	222.46
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.37*	
26 05 36 00-0628		EA	18" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	635.18	244.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.11*	
26 05 36 00-0629		EA	24" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	719.28	271.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.27*	
26 05 36 00-0630		EA	30" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.76	288.28
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.85*	
26 05 36 00-0631		EA	36" Wide, 12" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	904.03	326.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.21*	

26 05 36 00-0632 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0633		EA	6" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	628.78	212.87
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.14*	
26 05 36 00-0634		EA	9" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	675.91	233.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.15*	
26 05 36 00-0635		EA	12" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	705.63	244.91
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.15*	
26 05 36 00-0636		EA	18" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	774.07	271.85
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.75*	
26 05 36 00-0637		EA	24" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	859.86	306.14
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.47*	
26 05 36 00-0638		EA	30" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	924.90	326.35
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.29*	
26 05 36 00-0639		EA	36" Wide, 24" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,116.28	377.06
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.21*	

26 05 36 00-0640 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0641		EA	6" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	798.54	233.38
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.41*	
26 05 36 00-0642		EA	9" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	854.79	257.67
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0643	EA	12" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	907.14	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.06*	
26 05 36 00-0644	EA	18" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	998.15	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.30*	
26 05 36 00-0645	EA	24" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,133.00	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.18*	
26 05 36 00-0646	EA	30" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,228.47	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-91.43*	
26 05 36 00-0647	EA	36" Wide, 36" Radius, Horizontal Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,386.09	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.53*	

26 05 36 00-0648 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0649	EA	6" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	599.72	181.34
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.86*	
26 05 36 00-0650	EA	9" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	614.24	188.47
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-45.72*	
26 05 36 00-0651	EA	12" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	629.33	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.60*	
26 05 36 00-0652	EA	18" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	662.70	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.53*	
26 05 36 00-0653	EA	24" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	683.90	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.85*	
26 05 36 00-0654	EA	30" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	742.16	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.81*	
26 05 36 00-0655	EA	36" Wide, 12" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	800.16	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.36*	

26 05 36 00-0656 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0657	EA	6" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	864.15	196.03
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.08*	
26 05 36 00-0658	EA	9" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	885.47	204.10
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.54*	
26 05 36 00-0659	EA	12" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	907.97	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.06*	
26 05 36 00-0660	EA	18" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	957.70	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.33*	
26 05 36 00-0661	EA	24" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	992.64	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.86*	
26 05 36 00-0662	EA	30" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,053.25	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.67*	
26 05 36 00-0663	EA	36" Wide, 24" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,136.43	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.13*	

26 05 36 00-0664 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0665	EA	6" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,359.36	212.87
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.20*	
26 05 36 00-0666	EA	9" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,388.38	222.46
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-120.30*	
26 05 36 00-0667	EA	12" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,419.53	233.38
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.51*	
26 05 36 00-0668	EA	18" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,473.16	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.84*	
26 05 36 00-0669	EA	24" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,509.86	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-128.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0670	EA	30" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,606.09	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.10*	
26 05 36 00-0671	EA	36" Wide, 36" Radius, Vertical Tees, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,691.36	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.01*	

26 05 36 00-0672 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0673	EA	6" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	624.74	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.07*	
26 05 36 00-0674	EA	9" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	656.49	257.67
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.17*	
26 05 36 00-0675	EA	12" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	701.01	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.44*	
26 05 36 00-0676	EA	18" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	751.80	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.16*	
26 05 36 00-0677	EA	24" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	846.63	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.47*	
26 05 36 00-0678	EA	30" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	945.14	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.39*	
26 05 36 00-0679	EA	36" Wide, 12" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,032.78	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.86*	

26 05 36 00-0680 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0681	EA	6" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	873.22	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.67*	
26 05 36 00-0682	EA	9" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	913.56	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.33*	
26 05 36 00-0683	EA	12" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	956.40	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.13*	
26 05 36 00-0684	EA	18" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,018.83	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.69*	
26 05 36 00-0685	EA	24" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,134.54	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.04*	
26 05 36 00-0686	EA	30" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,220.41	408.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.03*	
26 05 36 00-0687	EA	36" Wide, 24" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,367.82	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.70*	

26 05 36 00-0688 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*

26 05 36 00-0689	EA	6" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,097.30	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.22*	
26 05 36 00-0690	EA	9" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,157.12	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.51*	
26 05 36 00-0691	EA	12" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,221.71	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.05*	
26 05 36 00-0692	EA	18" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,332.84	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.87*	
26 05 36 00-0693	EA	24" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,524.38	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.36*	
26 05 36 00-0694	EA	30" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,663.06	489.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.55*	
26 05 36 00-0695	EA	36" Wide, 36" Radius, Horizontal Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,821.09	544.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-136.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0696		12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0697	EA	6" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	722.20	244.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.81*	
26 05 36 00-0698	EA	9" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	758.78	257.77
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.40*	
26 05 36 00-0699	EA	12" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	812.48	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.60*	
26 05 36 00-0700	EA	18" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	874.09	288.39
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.38*	
26 05 36 00-0701	EA	24" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	982.82	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.08*	
26 05 36 00-0702	EA	30" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,108.60	349.61
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.72*	
26 05 36 00-0703	EA	36" Wide, 12" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,214.00	376.55
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.02*	
26 05 36 00-0704		24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0705	EA	6" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,062.25	271.85
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.57*	
26 05 36 00-0706	EA	9" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,108.47	288.28
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.83*	
26 05 36 00-0707	EA	12" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,157.18	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-90.21*	
26 05 36 00-0708	EA	18" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,232.52	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.05*	
26 05 36 00-0709	EA	24" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,362.32	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.81*	
26 05 36 00-0710	EA	30" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,463.46	408.18
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.33*	
26 05 36 00-0711	EA	36" Wide, 24" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,649.62	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.88*	
26 05 36 00-0712		36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting *(26 05 36 00-0551)*		
26 05 36 00-0713	EA	6" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,361.48	306.14
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.64*	
26 05 36 00-0714	EA	9" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,433.04	326.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.11*	
26 05 36 00-0715	EA	12" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,509.37	349.51
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-121.81*	
26 05 36 00-0716	EA	18" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,649.86	377.06
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-133.57*	
26 05 36 00-0717	EA	24" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	1,876.62	444.92
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.58*	
26 05 36 00-0718	EA	30" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,044.65	489.00
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-163.71*	
26 05 36 00-0719	EA	36" Wide, 36" Radius, Vertical Crosses, 12" Rung Spacing, 4-5/8" High, Ladder Bottom Galvanized Steel Cable Tray Fitting	2,232.04	544.72
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.81*	
26 05 36 00-0720		Dropout Or End Plates And Reducers *(26 05 36 00-0002)*		
26 05 36 00-0721		Straight Reducers *(26 05 36 00-0720)*		
26 05 36 00-0722	EA	9" To 6" Reducer, Steel Cable Tray	258.91	75.31
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.61*	
26 05 36 00-0723	EA	12" To 9" Reducer, Steel Cable Tray	272.18	81.53
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0724	EA	18" To 12" Reducer, Steel Cable Tray	293.16	94.09
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.47*	
26 05 36 00-0725	EA	24" To 18" Reducer, Steel Cable Tray	320.61	108.89
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.99*	
26 05 36 00-0726	EA	30" To 24" Reducer, Steel Cable Tray	346.16	122.45
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.41*	
26 05 36 00-0727	EA	36" To 30" Reducer, Steel Cable Tray	392.64	139.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.60*	
26 05 36 00-0728		**Reducers** *(26 05 36 00-0720)*		
26 05 36 00-0729	EA	18" To 6" Reducer, Steel Cable Tray	299.05	94.19
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.06*	
26 05 36 00-0730	EA	24" To 12" Reducer, Steel Cable Tray	326.66	108.99
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.58*	
26 05 36 00-0731	EA	30" To 12" Reducer, Steel Cable Tray	357.58	122.35
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.56*	
26 05 36 00-0732	EA	30" To 18" Reducer, Steel Cable Tray	363.22	122.25
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.13*	
26 05 36 00-0733	EA	36" To 12" Reducer, Steel Cable Tray	395.54	139.91
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.89*	
26 05 36 00-0734	EA	36" To 18" Reducer, Steel Cable Tray	407.47	143.58
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.78*	
26 05 36 00-0735	EA	36" To 24" Reducer, Steel Cable Tray	420.92	148.17
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.74*	
26 05 36 00-0736		**Dropout Or End Plate** *(26 05 36 00-0720)*		
26 05 36 00-0737	EA	6" Dropout Or End Plate, Steel Cable Tray	65.95	30.61
26 05 36 00-0738	EA	9" Dropout Or End Plate, Steel Cable Tray	75.81	35.00
26 05 36 00-0739	EA	12" Dropout Or End Plate, Steel Cable Tray	81.88	37.66
26 05 36 00-0740	EA	18" Dropout Or End Plate, Steel Cable Tray	96.65	44.50
26 05 36 00-0741	EA	24" Dropout Or End Plate, Steel Cable Tray	108.88	48.98
26 05 36 00-0742	EA	30" Dropout Or End Plate, Steel Cable Tray	120.59	54.39
26 05 36 00-0743	EA	36" Dropout Or End Plate, Steel Cable Tray	136.26	61.23
26 05 36 00-0744		**Ladder Bottom Aluminum Cable Tray** *(26 05 36 00-0001)* Note: 4-5/8" Height		
26 05 36 00-0745		**Straight Tray Sections** *(26 05 36 00-0744)*		
26 05 36 00-0746		**4" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0747	LF	6" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	117.03	7.14
		For Class 12C Instead Of Class 12B, Add	*16.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.11*	
26 05 36 00-0748	LF	9" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	123.78	7.55
		For Class 12C Instead Of Class 12B, Add	*17.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.75*	
26 05 36 00-0749	LF	12" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	130.51	7.86
		For Class 12C Instead Of Class 12B, Add	*18.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.39*	
26 05 36 00-0750	LF	18" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	145.07	8.57
		For Class 12C Instead Of Class 12B, Add	*20.32*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.79*	
26 05 36 00-0751	LF	24" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	167.98	9.18
		For Class 12C Instead Of Class 12B, Add	*23.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.04*	
26 05 36 00-0752	LF	30" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	184.40	9.80
		For Class 12C Instead Of Class 12B, Add	*26.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.63*	
26 05 36 00-0753	LF	36" Aluminum Cable Tray, 4" Rung Spacing, Straight Section	198.84	10.41
		For Class 12C Instead Of Class 12B, Add	*28.09*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.01*	
26 05 36 00-0754		**6" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0755	LF	6" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	107.48	7.14
		For Class 12C Instead Of Class 12B, Add	*14.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.15*	
26 05 36 00-0756	LF	9" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	113.67	7.55
		For Class 12C Instead Of Class 12B, Add	*15.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0757	LF	12" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	119.84	7.86
		For Class 12C Instead Of Class 12B, Add	*16.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.33*	
26 05 36 00-0758	LF	18" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	133.19	8.57
		For Class 12C Instead Of Class 12B, Add	*18.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.60*	
26 05 36 00-0759	LF	24" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	154.09	9.18
		For Class 12C Instead Of Class 12B, Add	*21.59*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.65*	
26 05 36 00-0760	LF	30" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	169.11	9.80
		For Class 12C Instead Of Class 12B, Add	*23.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*8.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.10*	
26 05 36 00-0761	LF	36" Aluminum Cable Tray, 6" Rung Spacing, Straight Section	182.35	10.41
		For Class 12C Instead Of Class 12B, Add	*25.61*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.37*	
26 05 36 00-0762		**9" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0763	LF	6" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	95.32	6.84
		For Class 12C Instead Of Class 12B, Add	*13.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.96*	
26 05 36 00-0764	LF	9" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	96.29	7.14
		For Class 12C Instead Of Class 12B, Add	*13.25*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.81*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.03*	
26 05 36 00-0765	LF	12" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	103.39	7.55
		For Class 12C Instead Of Class 12B, Add	*14.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.71*	
26 05 36 00-0766	LF	18" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	110.36	8.06
		For Class 12C Instead Of Class 12B, Add	*15.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.36*	
26 05 36 00-0767	LF	24" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	125.76	8.37
		For Class 12C Instead Of Class 12B, Add	*17.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.88*	
26 05 36 00-0768	LF	30" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	139.47	8.98
		For Class 12C Instead Of Class 12B, Add	*19.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.19*	
26 05 36 00-0769	LF	36" Aluminum Cable Tray, 9" Rung Spacing, Straight Section	147.77	9.80
		For Class 12C Instead Of Class 12B, Add	*20.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*7.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.96*	
26 05 36 00-0770		**12" Rung Spacing** *(26 05 36 00-0745)*		
26 05 36 00-0771	LF	6" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	93.52	6.64
		For Class 12C Instead Of Class 12B, Add	*12.92*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.80*	
26 05 36 00-0772	LF	9" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	94.39	6.84
		For Class 12C Instead Of Class 12B, Add	*13.01*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.87*	
26 05 36 00-0773	LF	12" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	97.86	7.25
		For Class 12C Instead Of Class 12B, Add	*13.47*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.18*	
26 05 36 00-0774	LF	18" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	103.69	7.65
		For Class 12C Instead Of Class 12B, Add	*14.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.73*	
26 05 36 00-0775	LF	24" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	114.12	7.76
		For Class 12C Instead Of Class 12B, Add	*15.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.76*	
26 05 36 00-0776	LF	30" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	122.35	8.57
		For Class 12C Instead Of Class 12B, Add	*16.93*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.52*	
26 05 36 00-0777	LF	36" Aluminum Cable Tray, 12" Rung Spacing, Straight Section	129.14	9.28
		For Class 12C Instead Of Class 12B, Add	*17.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.14*	
26 05 36 00-0778		**18" Rung Spacing** *(26 05 36 00-0745)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0779	LF	6" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	92.75	6.43
		For Class 12C Instead Of Class 12B, Add	*12.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.74*	
26 05 36 00-0780	LF	9" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	92.22	6.74
		For Class 12C Instead Of Class 12B, Add	*12.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-8.67*	
26 05 36 00-0781	LF	12" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	97.35	6.94
		For Class 12C Instead Of Class 12B, Add	*13.44*	
		For 6" Overall Height Instead Of 4-5/8", Add	*4.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.15*	
26 05 36 00-0782	LF	18" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	102.61	7.35
		For Class 12C Instead Of Class 12B, Add	*14.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-9.65*	
26 05 36 00-0783	LF	24" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	109.79	7.45
		For Class 12C Instead Of Class 12B, Add	*15.23*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.36*	
26 05 36 00-0784	LF	30" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	114.18	8.16
		For Class 12C Instead Of Class 12B, Add	*15.77*	
		For 6" Overall Height Instead Of 4-5/8", Add	*5.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-10.74*	
26 05 36 00-0785	LF	36" Aluminum Cable Tray, 18" Rung Spacing, Straight Section	120.14	8.87
		For Class 12C Instead Of Class 12B, Add	*16.54*	
		For 6" Overall Height Instead Of 4-5/8", Add	*6.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-11.27*	

26 05 36 00-0786 4" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-0787 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0788	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	323.83	102.35
		For 6" Overall Height Instead Of 4-5/8", Add	*16.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.86*	
26 05 36 00-0789	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	351.48	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*17.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.43*	
26 05 36 00-0790	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	401.03	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*20.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.37*	
26 05 36 00-0791	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	472.85	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*23.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.12*	
26 05 36 00-0792	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	562.29	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*28.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.12*	
26 05 36 00-0793	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	615.70	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*30.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.56*	
26 05 36 00-0794	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	722.54	233.28
		For 6" Overall Height Instead Of 4-5/8", Add	*36.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.82*	

26 05 36 00-0795 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0796	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	449.08	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*22.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.04*	
26 05 36 00-0797	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	487.24	122.35
		For 6" Overall Height Instead Of 4-5/8", Add	*24.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.53*	
26 05 36 00-0798	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	523.66	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*26.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.03*	
26 05 36 00-0799	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	603.71	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*30.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.29*	
26 05 36 00-0800	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	679.83	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*33.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.65*	
26 05 36 00-0801	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	756.95	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*37.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.16*	
26 05 36 00-0802	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	864.16	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*43.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.94*	

26 05 36 00-0803 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0804	EA	6" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	484.24	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*24.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0805	EA	9" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	521.15	128.78
		For 6" Overall Height Instead Of 4-5/8", Add	*26.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.39*	
26 05 36 00-0806	EA	12" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	581.74	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*29.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.16*	
26 05 36 00-0807	EA	18" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	686.48	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*34.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.53*	
26 05 36 00-0808	EA	24" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	789.49	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*39.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.21*	
26 05 36 00-0809	EA	30" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	885.54	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*44.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.15*	
26 05 36 00-0810	EA	36" Horizontal 90 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,026.75	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*51.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.70*	
26 05 36 00-0811		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0812	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	224.50	74.18
		For 30 Degree Bend, Deduct	*-80.22*	
		For 60 Degree Bend, Deduct	*-45.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.27*	
26 05 36 00-0813	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	253.03	88.98
		For 30 Degree Bend, Deduct	*-87.28*	
		For 60 Degree Bend, Deduct	*-49.40*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.89*	
26 05 36 00-0814	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	278.75	102.05
		For 30 Degree Bend, Deduct	*-93.78*	
		For 60 Degree Bend, Deduct	*-52.87*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.37*	
26 05 36 00-0815	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	342.99	128.99
		For 30 Degree Bend, Deduct	*-113.42*	
		For 60 Degree Bend, Deduct	*-63.76*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.55*	
26 05 36 00-0816	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	422.40	157.96
		For 30 Degree Bend, Deduct	*-140.17*	
		For 60 Degree Bend, Deduct	*-78.84*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.08*	
26 05 36 00-0817	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	484.67	181.34
		For 30 Degree Bend, Deduct	*-160.77*	
		For 60 Degree Bend, Deduct	*-90.42*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.35*	
26 05 36 00-0818	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	544.99	212.87
		For 30 Degree Bend, Deduct	*-175.56*	
		For 60 Degree Bend, Deduct	*-98.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.76*	
26 05 36 00-0819		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0786)*		
26 05 36 00-0820	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	263.32	76.53
		For 30 Degree Bend, Deduct	*-100.20*	
		For 60 Degree Bend, Deduct	*-57.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.96*	
26 05 36 00-0821	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	305.13	92.25
		For 30 Degree Bend, Deduct	*-114.00*	
		For 60 Degree Bend, Deduct	*-65.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.82*	
26 05 36 00-0822	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	332.78	106.54
		For 30 Degree Bend, Deduct	*-120.89*	
		For 60 Degree Bend, Deduct	*-68.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.40*	
26 05 36 00-0823	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	393.65	136.03
		For 30 Degree Bend, Deduct	*-137.14*	
		For 60 Degree Bend, Deduct	*-77.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.03*	
26 05 36 00-0824	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	475.64	168.99
		For 30 Degree Bend, Deduct	*-163.05*	
		For 60 Degree Bend, Deduct	*-92.20*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0825	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	559.52	196.03
		For 30 Degree Bend, Deduct	*-193.41*	
		For 60 Degree Bend, Deduct	*-109.51*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.62*	
26 05 36 00-0826	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	633.40	233.38
		For 30 Degree Bend, Deduct	*-212.26*	
		For 60 Degree Bend, Deduct	*-119.58*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.90*	

26 05 36 00-0827 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-0786)*

26 05 36 00-0828	EA	6" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	313.98	78.99
		For 30 Degree Bend, Deduct	*-126.64*	
		For 60 Degree Bend, Deduct	*-73.35*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.70*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.82*	
26 05 36 00-0829	EA	9" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	346.14	95.92
		For 30 Degree Bend, Deduct	*-134.43*	
		For 60 Degree Bend, Deduct	*-77.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.62*	
26 05 36 00-0830	EA	12" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	375.71	111.33
		For 30 Degree Bend, Deduct	*-141.70*	
		For 60 Degree Bend, Deduct	*-81.31*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.29*	
26 05 36 00-0831	EA	18" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	449.79	144.09
		For 30 Degree Bend, Deduct	*-163.31*	
		For 60 Degree Bend, Deduct	*-93.18*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.97*	
26 05 36 00-0832	EA	24" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	558.41	181.34
		For 30 Degree Bend, Deduct	*-201.33*	
		For 60 Degree Bend, Deduct	*-114.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.73*	
26 05 36 00-0833	EA	30" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	626.49	212.87
		For 30 Degree Bend, Deduct	*-220.38*	
		For 60 Degree Bend, Deduct	*-125.13*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.91*	
26 05 36 00-0834	EA	36" Horizontal 45 Degree Elbow, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	728.32	257.67
		For 30 Degree Bend, Deduct	*-250.25*	
		For 60 Degree Bend, Deduct	*-141.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*36.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.36*	

26 05 36 00-0835 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0836	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	360.66	102.05
		For 6" Overall Height Instead Of 4-5/8", Add	*18.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.56*	
26 05 36 00-0837	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	395.28	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*19.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.81*	
26 05 36 00-0838	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	419.18	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*20.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.18*	
26 05 36 00-0839	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	474.65	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*23.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.30*	
26 05 36 00-0840	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	524.04	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*26.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.29*	
26 05 36 00-0841	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	572.31	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*28.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.22*	
26 05 36 00-0842	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	627.39	232.97
		For 6" Overall Height Instead Of 4-5/8", Add	*31.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.32*	

26 05 36 00-0843 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0844	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	383.59	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*19.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.49*	
26 05 36 00-0845	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	418.94	122.45
		For 6" Overall Height Instead Of 4-5/8", Add	*20.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.69*	
26 05 36 00-0846	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	446.81	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*22.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0847	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	513.75	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*25.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.30*	
26 05 36 00-0848	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	572.68	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*28.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.94*	
26 05 36 00-0849	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	630.68	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*31.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.53*	
26 05 36 00-0850	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	706.70	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*35.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.20*	

26 05 36 00-0851 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0786)*

26 05 36 00-0852	EA	6" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	504.20	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*25.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.15*	
26 05 36 00-0853	EA	9" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	540.46	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*27.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.31*	
26 05 36 00-0854	EA	12" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	586.73	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*29.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.66*	
26 05 36 00-0855	EA	18" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	662.64	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*33.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.15*	
26 05 36 00-0856	EA	24" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	729.05	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*36.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.16*	
26 05 36 00-0857	EA	30" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	810.14	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*40.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.61*	
26 05 36 00-0858	EA	36" Vertical Riser 90 Degree, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	898.82	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*44.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.91*	

26 05 36 00-0859 12" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0860	EA	6" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	546.49	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*27.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.32*	
26 05 36 00-0861	EA	9" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	589.06	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*29.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.17*	
26 05 36 00-0862	EA	12" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	608.65	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*30.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.33*	
26 05 36 00-0863	EA	18" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	692.88	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*34.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.88*	
26 05 36 00-0864	EA	24" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	766.67	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*38.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.01*	
26 05 36 00-0865	EA	30" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	844.42	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*42.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.42*	
26 05 36 00-0866	EA	36" Horizontal Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	980.01	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*49.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.80*	

26 05 36 00-0867 24" Radius Horizontal Tees *(26 05 36 00-0786)*

26 05 36 00-0868	EA	6" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	729.61	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*36.48*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.22*	
26 05 36 00-0869	EA	9" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	785.31	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*39.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.09*	
26 05 36 00-0870	EA	12" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	815.40	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*40.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.13*	
26 05 36 00-0871	EA	18" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	896.40	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*44.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.98*	
26 05 36 00-0872	EA	24" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	993.13	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*49.66*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.80*	
26 05 36 00-0873	EA	30" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,073.71	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*53.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.17*	
26 05 36 00-0874	EA	36" Horizontal Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,439.20	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*71.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0875		**36" Radius Horizontal Tees** *(26 05 36 00-0786)*		
26 05 36 00-0876	EA	6" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	918.65	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*45.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.42*	
26 05 36 00-0877	EA	9" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	973.65	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*48.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.89*	
26 05 36 00-0878	EA	12" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,047.76	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*52.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.12*	
26 05 36 00-0879	EA	18" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,137.28	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*56.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-88.22*	
26 05 36 00-0880	EA	24" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,274.38	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*63.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.32*	
26 05 36 00-0881	EA	30" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,504.07	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*75.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.99*	
26 05 36 00-0882	EA	36" Horizontal Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,714.63	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*85.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-134.38*	
26 05 36 00-0883		**12" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0884	EA	6" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	795.98	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*39.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.48*	
26 05 36 00-0885	EA	9" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	822.31	188.47
		For 6" Overall Height Instead Of 4-5/8", Add	*41.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.52*	
26 05 36 00-0886	EA	12" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	838.39	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*41.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.51*	
26 05 36 00-0887	EA	18" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	877.36	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*43.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.00*	
26 05 36 00-0888	EA	24" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	936.59	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*46.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.12*	
26 05 36 00-0889	EA	30" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	984.78	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*49.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.07*	
26 05 36 00-0890	EA	36" Vertical Tee, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,047.76	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*52.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.12*	
26 05 36 00-0891		**24" Radius Vertical Tees** *(26 05 36 00-0786)*		
26 05 36 00-0892	EA	6" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,162.73	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*58.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.94*	
26 05 36 00-0893	EA	9" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,187.03	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*59.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-101.70*	
26 05 36 00-0894	EA	12" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,212.51	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*60.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.51*	
26 05 36 00-0895	EA	18" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,271.82	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*63.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.74*	
26 05 36 00-0896	EA	24" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,312.72	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*65.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.86*	
26 05 36 00-0897	EA	30" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,379.30	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*68.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-115.27*	
26 05 36 00-0898	EA	36" Vertical Tee, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,519.28	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*75.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.42*	
26 05 36 00-0899		**36" Radius Vertical Tee** *(26 05 36 00-0786)*		
26 05 36 00-0900	EA	6" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,945.33	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*97.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-176.79*	
26 05 36 00-0901	EA	9" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,981.96	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*99.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-179.66*	
26 05 36 00-0902	EA	12" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,020.71	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*101.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-182.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0903	EA	18" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,081.98	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*104.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-186.72*	
26 05 36 00-0904	EA	24" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,126.28	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*106.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-189.97*	
26 05 36 00-0905	EA	30" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,245.32	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*112.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-199.02*	
26 05 36 00-0906	EA	36" Vertical Tee, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,338.20	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*116.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-204.70*	

26 05 36 00-0907 12" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0908	EA	6" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	714.50	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*35.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.04*	
26 05 36 00-0909	EA	9" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	768.24	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*38.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.35*	
26 05 36 00-0910	EA	12" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	795.50	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*39.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.89*	
26 05 36 00-0911	EA	18" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	894.87	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*44.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.47*	
26 05 36 00-0912	EA	24" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	972.80	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*48.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.08*	
26 05 36 00-0913	EA	30" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,086.98	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*54.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.58*	
26 05 36 00-0914	EA	36" Horizontal Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,259.01	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*62.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.48*	

26 05 36 00-0915 24" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0916	EA	6" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,040.55	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*52.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.40*	
26 05 36 00-0917	EA	9" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,085.87	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*54.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.57*	
26 05 36 00-0918	EA	12" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,133.68	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*56.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.86*	
26 05 36 00-0919	EA	18" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,199.84	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*59.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.79*	
26 05 36 00-0920	EA	24" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,341.90	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*67.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.77*	
26 05 36 00-0921	EA	30" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,479.30	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*73.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.91*	
26 05 36 00-0922	EA	36" Horizontal Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,642.37	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*82.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.16*	

26 05 36 00-0923 36" Radius Horizontal Crosses *(26 05 36 00-0786)*

26 05 36 00-0924	EA	6" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,202.15	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*60.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.70*	
26 05 36 00-0925	EA	9" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,297.72	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*64.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.57*	
26 05 36 00-0926	EA	12" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,381.45	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*69.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-109.02*	
26 05 36 00-0927	EA	18" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,442.80	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*72.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.86*	
26 05 36 00-0928	EA	24" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,750.67	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*87.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-137.99*	
26 05 36 00-0929	EA	30" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,932.23	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*96.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.47*	
26 05 36 00-0930	EA	36" Horizontal Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,151.17	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*107.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-169.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0931		**12" Radius Vertical Cross** *(26 05 36 00-0786)*		
26 05 36 00-0932	EA	6" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	714.50	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*35.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.04*	
26 05 36 00-0933	EA	9" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	768.38	257.77
		For 6" Overall Height Instead Of 4-5/8", Add	*38.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.36*	
26 05 36 00-0934	EA	12" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	795.42	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*39.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.89*	
26 05 36 00-0935	EA	18" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	895.05	288.39
		For 6" Overall Height Instead Of 4-5/8", Add	*44.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.47*	
26 05 36 00-0936	EA	24" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	972.80	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*48.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.08*	
26 05 36 00-0937	EA	30" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,087.24	349.61
		For 6" Overall Height Instead Of 4-5/8", Add	*54.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.59*	
26 05 36 00-0938	EA	36" Vertical Cross, 4" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,258.24	376.55
		For 6" Overall Height Instead Of 4-5/8", Add	*62.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.44*	
26 05 36 00-0939		**24" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0940	EA	6" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,040.55	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*52.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-81.40*	
26 05 36 00-0941	EA	9" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,085.87	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*54.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-84.57*	
26 05 36 00-0942	EA	12" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,133.68	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*56.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.86*	
26 05 36 00-0943	EA	18" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,199.84	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*59.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.79*	
26 05 36 00-0944	EA	24" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,341.90	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*67.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.77*	
26 05 36 00-0945	EA	30" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,444.30	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*72.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-110.41*	
26 05 36 00-0946	EA	36" Vertical Cross, 4" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,602.91	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*80.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.21*	
26 05 36 00-0947		**36" Radius Vertical Crosses** *(26 05 36 00-0786)*		
26 05 36 00-0948	EA	6" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,513.51	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*75.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-125.84*	
26 05 36 00-0949	EA	9" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,589.04	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*79.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.71*	
26 05 36 00-0950	EA	12" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,690.25	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*84.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-139.90*	
26 05 36 00-0951	EA	18" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,809.30	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*90.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.51*	
26 05 36 00-0952	EA	24" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,204.74	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*110.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-183.39*	
26 05 36 00-0953	EA	30" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,434.95	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*121.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-202.74*	
26 05 36 00-0954	EA	36" Vertical Cross, 4" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,710.65	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*135.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-225.67*	
26 05 36 00-0955		**6" Rung Tray Fittings** *(26 05 36 00-0744)*		
26 05 36 00-0956		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0957	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	301.93	102.35
		For 6" Overall Height Instead Of 4-5/8", Add	*15.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.67*	
26 05 36 00-0958	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	329.02	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*16.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0959	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	374.41	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*18.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.70*	
26 05 36 00-0960	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	442.91	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*22.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.13*	
26 05 36 00-0961	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	525.15	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*26.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.40*	
26 05 36 00-0962	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	576.33	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*28.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.63*	
26 05 36 00-0963	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	674.86	233.28
		For 6" Overall Height Instead Of 4-5/8", Add	*33.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.05*	
26 05 36 00-0964		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0965	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	410.27	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*20.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.16*	
26 05 36 00-0966	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	446.77	122.35
		For 6" Overall Height Instead Of 4-5/8", Add	*22.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.48*	
26 05 36 00-0967	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	481.25	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*24.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.79*	
26 05 36 00-0968	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	557.69	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*27.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.69*	
26 05 36 00-0969	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	629.37	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*31.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.60*	
26 05 36 00-0970	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	701.79	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*35.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.64*	
26 05 36 00-0971	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	802.06	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*40.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.73*	
26 05 36 00-0972		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0973	EA	6" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	441.55	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*22.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.88*	
26 05 36 00-0974	EA	9" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	477.36	128.78
		For 6" Overall Height Instead Of 4-5/8", Add	*23.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.01*	
26 05 36 00-0975	EA	12" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	532.95	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*26.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.28*	
26 05 36 00-0976	EA	18" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	631.60	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*31.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.05*	
26 05 36 00-0977	EA	24" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	727.39	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*36.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.00*	
26 05 36 00-0978	EA	30" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	817.34	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*40.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-61.33*	
26 05 36 00-0979	EA	36" Horizontal 90 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	948.58	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*47.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.88*	
26 05 36 00-0980		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0981	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	210.09	74.18
		For 30 Degree Bend, Deduct	*-72.29*	
		For 60 Degree Bend, Deduct	*-40.90*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.83*	
26 05 36 00-0982	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	238.06	88.98
		For 30 Degree Bend, Deduct	*-79.05*	
		For 60 Degree Bend, Deduct	*-44.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.39*	
26 05 36 00-0983	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	263.22	102.05
		For 30 Degree Bend, Deduct	*-85.24*	
		For 60 Degree Bend, Deduct	*-47.74*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-0984	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	324.70	128.99
		For 30 Degree Bend, Deduct	*-103.36*	
		For 60 Degree Bend, Deduct	*-57.72*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.72*	
26 05 36 00-0985	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	399.67	157.96
		For 30 Degree Bend, Deduct	*-127.67*	
		For 60 Degree Bend, Deduct	*-71.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.80*	
26 05 36 00-0986	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	458.62	181.34
		For 30 Degree Bend, Deduct	*-146.45*	
		For 60 Degree Bend, Deduct	*-81.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.75*	
26 05 36 00-0987	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	517.82	212.87
		For 30 Degree Bend, Deduct	*-160.61*	
		For 60 Degree Bend, Deduct	*-89.27*	
		For 6" Overall Height Instead Of 4-5/8", Add	*25.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.04*	
26 05 36 00-0988		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0989	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	243.92	76.53
		For 30 Degree Bend, Deduct	*-89.53*	
		For 60 Degree Bend, Deduct	*-51.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.02*	
26 05 36 00-0990	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	283.50	92.25
		For 30 Degree Bend, Deduct	*-102.11*	
		For 60 Degree Bend, Deduct	*-58.19*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.66*	
26 05 36 00-0991	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	310.60	106.54
		For 30 Degree Bend, Deduct	*-108.69*	
		For 60 Degree Bend, Deduct	*-61.66*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.18*	
26 05 36 00-0992	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	369.81	136.03
		For 30 Degree Bend, Deduct	*-124.03*	
		For 60 Degree Bend, Deduct	*-69.88*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.64*	
26 05 36 00-0993	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	447.92	168.99
		For 30 Degree Bend, Deduct	*-147.80*	
		For 60 Degree Bend, Deduct	*-83.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*22.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.71*	
26 05 36 00-0994	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	526.25	196.03
		For 30 Degree Bend, Deduct	*-175.11*	
		For 60 Degree Bend, Deduct	*-98.53*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.29*	
26 05 36 00-0995	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	598.47	233.38
		For 30 Degree Bend, Deduct	*-193.04*	
		For 60 Degree Bend, Deduct	*-108.05*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.40*	
26 05 36 00-0996		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-0955)*		
26 05 36 00-0997	EA	6" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	287.93	78.99
		For 30 Degree Bend, Deduct	*-112.31*	
		For 60 Degree Bend, Deduct	*-64.75*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.21*	
26 05 36 00-0998	EA	9" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	319.52	95.92
		For 30 Degree Bend, Deduct	*-119.79*	
		For 60 Degree Bend, Deduct	*-68.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.96*	
26 05 36 00-0999	EA	12" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	348.54	111.33
		For 30 Degree Bend, Deduct	*-126.76*	
		For 60 Degree Bend, Deduct	*-72.34*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.58*	
26 05 36 00-1000	EA	18" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	419.85	144.09
		For 30 Degree Bend, Deduct	*-146.84*	
		For 60 Degree Bend, Deduct	*-83.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.97*	
26 05 36 00-1001	EA	24" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	521.82	181.34
		For 30 Degree Bend, Deduct	*-181.21*	
		For 60 Degree Bend, Deduct	*-102.68*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1002	EA	30" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	587.68	212.87
		For 30 Degree Bend, Deduct	*-199.04*	
		For 60 Degree Bend, Deduct	*-112.33*	
		For 6" Overall Height Instead Of 4-5/8", Add	*29.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.03*	
26 05 36 00-1003	EA	36" Horizontal 45 Degree Elbow, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	685.63	257.67
		For 30 Degree Bend, Deduct	*-226.78*	
		For 60 Degree Bend, Deduct	*-127.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*34.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.09*	

26 05 36 00-1004 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1005	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	345.42	102.05
		For 6" Overall Height Instead Of 4-5/8", Add	*17.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.04*	
26 05 36 00-1006	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	379.20	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*18.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.21*	
26 05 36 00-1007	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	402.83	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*20.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.55*	
26 05 36 00-1008	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	457.74	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*22.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.61*	
26 05 36 00-1009	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	506.30	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*25.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.52*	
26 05 36 00-1010	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	553.74	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*27.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.37*	
26 05 36 00-1011	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	608.27	232.97
		For 6" Overall Height Instead Of 4-5/8", Add	*30.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.41*	

26 05 36 00-1012 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1013	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	367.09	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*18.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.84*	
26 05 36 00-1014	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	401.75	122.45
		For 6" Overall Height Instead Of 4-5/8", Add	*20.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.97*	
26 05 36 00-1015	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	429.20	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*21.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.58*	
26 05 36 00-1016	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	495.18	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*24.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.44*	
26 05 36 00-1017	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	553.00	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*27.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.97*	
26 05 36 00-1018	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	609.89	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*30.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.45*	
26 05 36 00-1019	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	684.52	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*34.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.98*	

26 05 36 00-1020 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-0955)*

26 05 36 00-1021	EA	6" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	478.70	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*23.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.60*	
26 05 36 00-1022	EA	9" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	514.40	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*25.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.70*	
26 05 36 00-1023	EA	12" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	559.01	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*27.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.89*	
26 05 36 00-1024	EA	18" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	633.81	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*31.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.27*	
26 05 36 00-1025	EA	24" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	699.12	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*34.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.17*	
26 05 36 00-1026	EA	30" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	777.98	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*38.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.39*	
26 05 36 00-1027	EA	36" Vertical Riser 90 Degree, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	865.28	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*43.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.55*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1028			**12" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1029		EA	6" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	529.58	196.03
			For 6" Overall Height Instead Of 4-5/8", Add	*26.48*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.63*	
26 05 36 00-1030		EA	9" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	571.04	212.87
			For 6" Overall Height Instead Of 4-5/8", Add	*28.55*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.36*	
26 05 36 00-1031		EA	12" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	590.35	222.46
			For 6" Overall Height Instead Of 4-5/8", Add	*29.52*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.50*	
26 05 36 00-1032		EA	18" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	670.98	244.91
			For 6" Overall Height Instead Of 4-5/8", Add	*33.55*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.69*	
26 05 36 00-1033		EA	24" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	742.55	271.85
			For 6" Overall Height Instead Of 4-5/8", Add	*37.13*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.60*	
26 05 36 00-1034		EA	30" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	816.42	288.28
			For 6" Overall Height Instead Of 4-5/8", Add	*40.82*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.62*	
26 05 36 00-1035		EA	36" Horizontal Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	946.47	326.35
			For 6" Overall Height Instead Of 4-5/8", Add	*47.32*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.45*	
26 05 36 00-1036			**24" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1037		EA	6" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	700.78	212.87
			For 6" Overall Height Instead Of 4-5/8", Add	*35.04*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.34*	
26 05 36 00-1038		EA	9" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	754.82	233.38
			For 6" Overall Height Instead Of 4-5/8", Add	*37.74*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.04*	
26 05 36 00-1039		EA	12" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	784.08	244.91
			For 6" Overall Height Instead Of 4-5/8", Add	*39.20*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.00*	
26 05 36 00-1040		EA	18" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	862.30	271.85
			For 6" Overall Height Instead Of 4-5/8", Add	*43.12*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.57*	
26 05 36 00-1041		EA	24" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	955.98	306.14
			For 6" Overall Height Instead Of 4-5/8", Add	*47.80*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.09*	
26 05 36 00-1042		EA	30" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,032.96	326.35
			For 6" Overall Height Instead Of 4-5/8", Add	*51.65*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.10*	
26 05 36 00-1043		EA	36" Horizontal Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,376.83	377.06
			For 6" Overall Height Instead Of 4-5/8", Add	*68.84*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.27*	
26 05 36 00-1044			**36" Radius Horizontal Tees** *(26 05 36 00-0955)*		
26 05 36 00-1045		EA	6" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	877.90	233.38
			For 6" Overall Height Instead Of 4-5/8", Add	*43.90*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.35*	
26 05 36 00-1046		EA	9" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	931.80	257.67
			For 6" Overall Height Instead Of 4-5/8", Add	*46.59*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-71.71*	
26 05 36 00-1047		EA	12" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,002.02	271.85
			For 6" Overall Height Instead Of 4-5/8", Add	*50.10*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.55*	
26 05 36 00-1048		EA	18" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,089.05	306.14
			For 6" Overall Height Instead Of 4-5/8", Add	*54.45*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.39*	
26 05 36 00-1049		EA	24" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,221.15	349.51
			For 6" Overall Height Instead Of 4-5/8", Add	*61.06*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.99*	
26 05 36 00-1050		EA	30" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,436.71	377.06
			For 6" Overall Height Instead Of 4-5/8", Add	*71.84*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-112.25*	
26 05 36 00-1051		EA	36" Horizontal Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,639.78	444.92
			For 6" Overall Height Instead Of 4-5/8", Add	*81.99*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.90*	
26 05 36 00-1052			**12" Radius Vertical Tees** *(26 05 36 00-0955)*		
26 05 36 00-1053		EA	6" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	758.00	181.34
			For 6" Overall Height Instead Of 4-5/8", Add	*37.90*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.69*	
26 05 36 00-1054		EA	9" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	783.22	188.47
			For 6" Overall Height Instead Of 4-5/8", Add	*39.16*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.61*	
26 05 36 00-1055		EA	12" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	799.03	196.03
			For 6" Overall Height Instead Of 4-5/8", Add	*39.95*	
			For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1056	EA	18" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	837.17	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*41.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.98*	
26 05 36 00-1057	EA	24" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	893.06	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*44.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.77*	
26 05 36 00-1058	EA	30" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	940.42	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*47.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.63*	
26 05 36 00-1059	EA	36" Vertical Tee, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,002.02	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*50.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.55*	

26 05 36 00-1060 24" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1061	EA	6" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,098.41	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*54.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.51*	
26 05 36 00-1062	EA	9" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,121.88	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*56.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.18*	
26 05 36 00-1063	EA	12" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,146.53	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*57.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.91*	
26 05 36 00-1064	EA	18" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,203.90	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*60.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-100.95*	
26 05 36 00-1065	EA	24" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,243.14	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*62.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.91*	
26 05 36 00-1066	EA	30" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,308.06	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*65.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-108.15*	
26 05 36 00-1067	EA	36" Vertical Tee, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,441.66	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*72.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.65*	

26 05 36 00-1068 36" Radius Vertical Tees *(26 05 36 00-0955)*

26 05 36 00-1069	EA	6" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,822.98	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*91.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.56*	
26 05 36 00-1070	EA	9" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,858.02	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*92.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-167.26*	
26 05 36 00-1071	EA	12" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,895.18	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*94.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.07*	
26 05 36 00-1072	EA	18" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,954.87	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*97.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-174.01*	
26 05 36 00-1073	EA	24" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,997.58	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*99.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-177.10*	
26 05 36 00-1074	EA	30" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,111.85	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*105.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-185.67*	
26 05 36 00-1075	EA	36" Vertical Tee, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,203.14	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*110.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-191.19*	

26 05 36 00-1076 12" Radius Horizontal Crosses *(26 05 36 00-0955)*

26 05 36 00-1077	EA	6" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.93	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*34.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.68*	
26 05 36 00-1078	EA	9" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	742.18	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*37.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.74*	
26 05 36 00-1079	EA	12" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.16	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*38.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.26*	
26 05 36 00-1080	EA	18" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	862.99	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*43.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.28*	
26 05 36 00-1081	EA	24" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	939.82	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*46.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.78*	
26 05 36 00-1082	EA	30" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,048.17	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*52.41*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.69*	
26 05 36 00-1083	EA	36" Horizontal Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,210.50	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*60.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.63*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1084		**24" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1085	EA	6" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	995.36	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*49.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.88*	
26 05 36 00-1086	EA	9" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,039.30	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*51.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.91*	
26 05 36 00-1087	EA	12" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,085.72	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*54.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.06*	
26 05 36 00-1088	EA	18" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,149.39	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*57.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.74*	
26 05 36 00-1089	EA	24" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,287.01	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*64.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.28*	
26 05 36 00-1090	EA	30" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,385.53	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*69.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.54*	
26 05 36 00-1091	EA	36" Horizontal Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,536.66	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*76.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.59*	
26 05 36 00-1092		**36" Radius Horizontal Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1093	EA	6" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,148.92	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*57.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.38*	
26 05 36 00-1094	EA	9" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,209.27	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*60.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.73*	
26 05 36 00-1095	EA	12" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,287.68	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*64.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.65*	
26 05 36 00-1096	EA	18" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,380.15	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*69.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.60*	
26 05 36 00-1097	EA	24" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,673.05	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*83.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.22*	
26 05 36 00-1098	EA	30" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,846.29	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*92.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-143.88*	
26 05 36 00-1099	EA	36" Horizontal Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,055.53	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*102.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-160.16*	
26 05 36 00-1100		**12" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1101	EA	6" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.93	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*34.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.68*	
26 05 36 00-1102	EA	9" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	742.32	257.77
		For 6" Overall Height Instead Of 4-5/8", Add	*37.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.75*	
26 05 36 00-1103	EA	12" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	769.08	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*38.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.26*	
26 05 36 00-1104	EA	18" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	863.17	288.39
		For 6" Overall Height Instead Of 4-5/8", Add	*43.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.29*	
26 05 36 00-1105	EA	24" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	939.82	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*46.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-66.78*	
26 05 36 00-1106	EA	30" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,048.43	349.61
		For 6" Overall Height Instead Of 4-5/8", Add	*52.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.71*	
26 05 36 00-1107	EA	36" Vertical Cross, 6" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,209.73	376.55
		For 6" Overall Height Instead Of 4-5/8", Add	*60.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.59*	
26 05 36 00-1108		**24" Radius Vertical Crosses** *(26 05 36 00-0955)*		
26 05 36 00-1109	EA	6" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	995.36	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*49.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-76.88*	
26 05 36 00-1110	EA	9" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,039.30	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*51.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.91*	
26 05 36 00-1111	EA	12" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,085.72	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*54.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1112	EA	18" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,149.39	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*57.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.74*	
26 05 36 00-1113	EA	24" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,287.01	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*64.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-97.28*	
26 05 36 00-1114	EA	30" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,385.53	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*69.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.54*	
26 05 36 00-1115	EA	36" Vertical Cross, 6" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,536.66	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*76.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-116.59*	

26 05 36 00-1116 36" Radius Vertical Crosses *(26 05 36 00-0955)*

26 05 36 00-1117	EA	6" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,436.33	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*71.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.12*	
26 05 36 00-1118	EA	9" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,508.65	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*75.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-123.67*	
26 05 36 00-1119	EA	12" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,605.03	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*80.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.38*	
26 05 36 00-1120	EA	18" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,718.46	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*85.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.43*	
26 05 36 00-1121	EA	24" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,092.19	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*104.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-172.14*	
26 05 36 00-1122	EA	30" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,310.34	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*115.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-190.28*	
26 05 36 00-1123	EA	36" Vertical Cross, 6" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,571.97	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*128.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-211.80*	

26 05 36 00-1124 9" Rung Tray Fittings *(26 05 36 00-0744)*

26 05 36 00-1125 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1126	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	280.03	102.35
		For 6" Overall Height Instead Of 4-5/8", Add	*14.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.48*	
26 05 36 00-1127	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	306.57	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*15.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.94*	
26 05 36 00-1128	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	347.80	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*17.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.04*	
26 05 36 00-1129	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	412.97	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*20.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.13*	
26 05 36 00-1130	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	488.00	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*24.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.69*	
26 05 36 00-1131	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	536.97	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*26.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.69*	
26 05 36 00-1132	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	627.18	233.28
		For 6" Overall Height Instead Of 4-5/8", Add	*31.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.28*	

26 05 36 00-1133 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1134	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	371.46	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*18.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.28*	
26 05 36 00-1135	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	406.29	122.35
		For 6" Overall Height Instead Of 4-5/8", Add	*20.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.43*	
26 05 36 00-1136	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	438.84	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*21.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.55*	
26 05 36 00-1137	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	511.67	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*25.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.09*	
26 05 36 00-1138	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	578.92	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*28.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.56*	
26 05 36 00-1139	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	646.62	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*32.33*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1140	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	739.97	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*37.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.52*	

26 05 36 00-1141 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1142	EA	6" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	398.86	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*19.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.62*	
26 05 36 00-1143	EA	9" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	433.56	128.78
		For 6" Overall Height Instead Of 4-5/8", Add	*21.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.63*	
26 05 36 00-1144	EA	12" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	484.17	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*24.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.41*	
26 05 36 00-1145	EA	18" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	576.71	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*28.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.56*	
26 05 36 00-1146	EA	24" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	665.30	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*33.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.79*	
26 05 36 00-1147	EA	30" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	749.15	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*37.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.51*	
26 05 36 00-1148	EA	36" Horizontal 90 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	870.41	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*43.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.06*	

26 05 36 00-1149 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1150	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	195.67	74.18
		For 30 Degree Bend, Deduct	*-64.36*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.78*	
		For 60 Degree Bend, Deduct	*-36.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-13.39*	
26 05 36 00-1151	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	223.09	88.98
		For 30 Degree Bend, Deduct	*-70.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.15*	
		For 60 Degree Bend, Deduct	*-39.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.90*	
26 05 36 00-1152	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	247.70	102.05
		For 30 Degree Bend, Deduct	*-76.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.39*	
		For 60 Degree Bend, Deduct	*-42.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.27*	
26 05 36 00-1153	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	306.40	128.99
		For 30 Degree Bend, Deduct	*-93.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.32*	
		For 60 Degree Bend, Deduct	*-51.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.89*	
26 05 36 00-1154	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	376.94	157.96
		For 30 Degree Bend, Deduct	*-115.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.85*	
		For 60 Degree Bend, Deduct	*-63.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.53*	
26 05 36 00-1155	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	432.56	181.34
		For 30 Degree Bend, Deduct	*-132.11*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.63*	
		For 60 Degree Bend, Deduct	*-73.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.14*	
26 05 36 00-1156	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	490.65	212.87
		For 30 Degree Bend, Deduct	*-145.67*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.53*	
		For 60 Degree Bend, Deduct	*-80.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.32*	

26 05 36 00-1157 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1158	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	224.51	76.53
		For 30 Degree Bend, Deduct	*-78.86*	
		For 6" Overall Height Instead Of 4-5/8", Add	*11.23*	
		For 60 Degree Bend, Deduct	*-44.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-16.08*	
26 05 36 00-1159	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	261.88	92.25
		For 30 Degree Bend, Deduct	*-90.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.09*	
		For 60 Degree Bend, Deduct	*-51.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.50*	
26 05 36 00-1160	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	288.42	106.54
		For 30 Degree Bend, Deduct	*-96.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.42*	
		For 60 Degree Bend, Deduct	*-54.34*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1161	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	345.97	136.03
		For 30 Degree Bend, Deduct	*-110.91*	
		For 6" Overall Height Instead Of 4-5/8", Add	*17.30*	
		For 60 Degree Bend, Deduct	*-62.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.26*	
26 05 36 00-1162	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	420.20	168.99
		For 30 Degree Bend, Deduct	*-132.55*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.01*	
		For 60 Degree Bend, Deduct	*-73.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.94*	
26 05 36 00-1163	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	492.99	196.03
		For 30 Degree Bend, Deduct	*-156.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.65*	
		For 60 Degree Bend, Deduct	*-87.55*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.97*	
26 05 36 00-1164	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	563.54	233.38
		For 30 Degree Bend, Deduct	*-173.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*28.18*	
		For 60 Degree Bend, Deduct	*-96.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.91*	

26 05 36 00-1165 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1124)*

26 05 36 00-1166	EA	6" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	261.87	78.99
		For 30 Degree Bend, Deduct	*-97.98*	
		For 6" Overall Height Instead Of 4-5/8", Add	*13.09*	
		For 60 Degree Bend, Deduct	*-56.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.61*	
26 05 36 00-1167	EA	9" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	292.91	95.92
		For 30 Degree Bend, Deduct	*-105.15*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.65*	
		For 60 Degree Bend, Deduct	*-59.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.30*	
26 05 36 00-1168	EA	12" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	321.37	111.33
		For 30 Degree Bend, Deduct	*-111.81*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.07*	
		For 60 Degree Bend, Deduct	*-63.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.86*	
26 05 36 00-1169	EA	18" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	389.91	144.09
		For 30 Degree Bend, Deduct	*-130.37*	
		For 6" Overall Height Instead Of 4-5/8", Add	*19.50*	
		For 60 Degree Bend, Deduct	*-73.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.98*	
26 05 36 00-1170	EA	24" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	485.23	181.34
		For 30 Degree Bend, Deduct	*-161.08*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.26*	
		For 60 Degree Bend, Deduct	*-90.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.41*	
26 05 36 00-1171	EA	30" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	548.87	212.87
		For 30 Degree Bend, Deduct	*-177.69*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.44*	
		For 60 Degree Bend, Deduct	*-99.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.15*	
26 05 36 00-1172	EA	36" Horizontal 45 Degree Elbow, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	642.94	257.67
		For 30 Degree Bend, Deduct	*-203.30*	
		For 6" Overall Height Instead Of 4-5/8", Add	*32.15*	
		For 60 Degree Bend, Deduct	*-113.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.82*	

26 05 36 00-1173 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1174	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	322.55	102.05
		For 6" Overall Height Instead Of 4-5/8", Add	*16.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.75*	
26 05 36 00-1175	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	355.08	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*17.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.79*	
26 05 36 00-1176	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	378.29	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*18.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.09*	
26 05 36 00-1177	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	432.38	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*21.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.07*	
26 05 36 00-1178	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	479.68	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*23.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.85*	
26 05 36 00-1179	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	525.88	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*26.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.58*	
26 05 36 00-1180	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	579.58	232.97
		For 6" Overall Height Instead Of 4-5/8", Add	*28.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-38.54*	

26 05 36 00-1181 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1124)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1182	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	342.35	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*17.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.36*	
26 05 36 00-1183	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	375.97	122.45
		For 6" Overall Height Instead Of 4-5/8", Add	*18.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.39*	
26 05 36 00-1184	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	402.80	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*20.14*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.94*	
26 05 36 00-1185	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	467.32	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*23.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.65*	
26 05 36 00-1186	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	523.48	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*26.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.02*	
26 05 36 00-1187	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	578.71	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*28.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.33*	
26 05 36 00-1188	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	651.26	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*32.56*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.65*	

26 05 36 00-1189 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1124)*

26 05 36 00-1190	EA	6" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	440.44	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*22.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.77*	
26 05 36 00-1191	EA	9" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	475.32	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*23.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.80*	
26 05 36 00-1192	EA	12" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	517.43	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*25.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.73*	
26 05 36 00-1193	EA	18" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	590.57	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*29.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.94*	
26 05 36 00-1194	EA	24" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	654.21	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*32.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.68*	
26 05 36 00-1195	EA	30" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	729.74	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*36.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.57*	
26 05 36 00-1196	EA	36" Vertical Riser 90 Degree, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	814.96	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*40.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.52*	

26 05 36 00-1197 12" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1198	EA	6" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	495.76	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*24.79*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.24*	
26 05 36 00-1199	EA	9" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	535.01	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*26.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.76*	
26 05 36 00-1200	EA	12" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	553.76	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*27.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.84*	
26 05 36 00-1201	EA	18" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	627.18	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*31.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-42.31*	
26 05 36 00-1202	EA	24" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	694.31	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*34.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.77*	
26 05 36 00-1203	EA	30" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	760.42	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*38.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.02*	
26 05 36 00-1204	EA	36" Horizontal Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	879.38	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*43.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.74*	

26 05 36 00-1205 24" Radius Horizontal Tees *(26 05 36 00-1124)*

26 05 36 00-1206	EA	6" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	643.12	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*32.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.57*	
26 05 36 00-1207	EA	9" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	693.83	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*34.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.94*	
26 05 36 00-1208	EA	12" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	721.43	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*36.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.73*	
26 05 36 00-1209	EA	18" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	794.11	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*39.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1210	EA	24" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	881.69	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*44.08*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.66*	
26 05 36 00-1211	EA	30" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	951.46	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*47.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.95*	
26 05 36 00-1212	EA	36" Horizontal Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,252.08	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*62.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.79*	
26 05 36 00-1213		**36" Radius Horizontal Tees** *(26 05 36 00-1124)*		
26 05 36 00-1214	EA	6" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	796.40	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*39.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.20*	
26 05 36 00-1215	EA	9" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	848.08	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*42.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.33*	
26 05 36 00-1216	EA	12" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	910.54	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*45.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.40*	
26 05 36 00-1217	EA	18" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	992.58	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*49.63*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.75*	
26 05 36 00-1218	EA	24" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,114.70	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*55.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.35*	
26 05 36 00-1219	EA	30" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,301.98	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*65.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-98.78*	
26 05 36 00-1220	EA	36" Horizontal Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,490.09	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*74.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-111.93*	
26 05 36 00-1221		**12" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1222	EA	6" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	682.05	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*34.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.09*	
26 05 36 00-1223	EA	9" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	705.05	188.47
		For 6" Overall Height Instead Of 4-5/8", Add	*35.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.80*	
26 05 36 00-1224	EA	12" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	720.30	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*36.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.70*	
26 05 36 00-1225	EA	18" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	756.78	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*37.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.94*	
26 05 36 00-1226	EA	24" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	806.02	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*40.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-62.06*	
26 05 36 00-1227	EA	30" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	851.72	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*42.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.76*	
26 05 36 00-1228	EA	36" Vertical Tee, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	910.54	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*45.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.40*	
26 05 36 00-1229		**24" Radius Vertical Tees** *(26 05 36 00-1124)*		
26 05 36 00-1230	EA	6" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	969.79	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*48.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.65*	
26 05 36 00-1231	EA	9" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	991.59	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*49.58*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.15*	
26 05 36 00-1232	EA	12" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,014.58	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*50.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.72*	
26 05 36 00-1233	EA	18" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,068.07	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*53.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.36*	
26 05 36 00-1234	EA	24" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,103.98	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*55.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-89.99*	
26 05 36 00-1235	EA	30" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,165.57	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*58.28*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-93.90*	
26 05 36 00-1236	EA	36" Vertical Tee, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,286.42	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*64.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.13*	
26 05 36 00-1237		**36" Radius Vertical Tees** *(26 05 36 00-1124)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1238	EA	6" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,578.29	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*78.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-140.09*	
26 05 36 00-1239	EA	9" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,610.15	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*80.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-142.48*	
26 05 36 00-1240	EA	12" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,644.14	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*82.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-144.97*	
26 05 36 00-1241	EA	18" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,700.64	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*85.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-148.59*	
26 05 36 00-1242	EA	24" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,740.17	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*87.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-151.36*	
26 05 36 00-1243	EA	30" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,844.92	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*92.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-158.98*	
26 05 36 00-1244	EA	36" Vertical Tee, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,933.03	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*96.65*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-164.18*	

26 05 36 00-1245 12" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1246	EA	6" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	643.81	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*32.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.97*	
26 05 36 00-1247	EA	9" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.07	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*34.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.53*	
26 05 36 00-1248	EA	12" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	716.49	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*35.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.99*	
26 05 36 00-1249	EA	18" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	799.23	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*39.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.90*	
26 05 36 00-1250	EA	24" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	873.84	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*43.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.19*	
26 05 36 00-1251	EA	30" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	970.55	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*48.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.93*	
26 05 36 00-1252	EA	36" Horizontal Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,113.48	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*55.67*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.93*	

26 05 36 00-1253 24" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1254	EA	6" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	904.99	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*45.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.84*	
26 05 36 00-1255	EA	9" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	946.15	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*47.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.59*	
26 05 36 00-1256	EA	12" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	989.80	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*49.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.47*	
26 05 36 00-1257	EA	18" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,048.48	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*52.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.65*	
26 05 36 00-1258	EA	24" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,177.24	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*58.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.31*	
26 05 36 00-1259	EA	30" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,268.00	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*63.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.78*	
26 05 36 00-1260	EA	36" Horizontal Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,404.15	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*70.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.33*	

26 05 36 00-1261 36" Radius Horizontal Crosses *(26 05 36 00-1124)*

26 05 36 00-1262	EA	6" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,042.47	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*52.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-78.74*	
26 05 36 00-1263	EA	9" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,098.38	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*54.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.64*	
26 05 36 00-1264	EA	12" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,170.15	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*58.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.89*	
26 05 36 00-1265	EA	18" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,254.86	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*62.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1266	EA	24" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,517.81	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*75.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.70*	
26 05 36 00-1267	EA	30" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,674.42	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*83.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-126.69*	
26 05 36 00-1268	EA	36" Horizontal Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,864.26	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*93.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-141.03*	

26 05 36 00-1269 12" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1270	EA	6" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	643.81	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*32.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.97*	
26 05 36 00-1271	EA	9" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.07	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*34.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-47.53*	
26 05 36 00-1272	EA	12" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	716.49	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*35.82*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.99*	
26 05 36 00-1273	EA	18" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	799.23	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*39.96*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-55.90*	
26 05 36 00-1274	EA	24" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	873.84	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*43.69*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.19*	
26 05 36 00-1275	EA	30" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	970.55	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*48.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.93*	
26 05 36 00-1276	EA	36" Vertical Cross, 9" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,111.94	376.04
		For 6" Overall Height Instead Of 4-5/8", Add	*55.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-79.85*	

26 05 36 00-1277 24" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1278	EA	6" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	904.99	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*45.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-67.84*	
26 05 36 00-1279	EA	9" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	946.15	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*47.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-70.59*	
26 05 36 00-1280	EA	12" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	989.80	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*49.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.47*	
26 05 36 00-1281	EA	18" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,048.48	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*52.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.65*	
26 05 36 00-1282	EA	24" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,177.24	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*58.86*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.31*	
26 05 36 00-1283	EA	30" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,268.00	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*63.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.78*	
26 05 36 00-1284	EA	36" Vertical Cross, 9" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,404.15	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*70.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-103.33*	

26 05 36 00-1285 36" Radius Vertical Crosses *(26 05 36 00-1124)*

26 05 36 00-1286	EA	6" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,281.98	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*64.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-102.69*	
26 05 36 00-1287	EA	9" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,347.87	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*67.39*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-107.59*	
26 05 36 00-1288	EA	12" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,434.61	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*71.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-114.34*	
26 05 36 00-1289	EA	18" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,536.78	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*76.84*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-122.26*	
26 05 36 00-1290	EA	24" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,867.09	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*93.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-149.63*	
26 05 36 00-1291	EA	30" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,061.13	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*103.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-165.36*	
26 05 36 00-1292	EA	36" Vertical Cross, 9" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,294.63	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*114.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-184.07*	

26 05 36 00-1293 12" Rung Tray Fittings *(26 05 36 00-0744)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1294		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1295	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	272.36	102.35
		For 6" Overall Height Instead Of 4-5/8", Add	*13.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.71*	
26 05 36 00-1296	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	298.71	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*14.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.16*	
26 05 36 00-1297	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	338.49	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*16.92*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.11*	
26 05 36 00-1298	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	402.50	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*20.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.09*	
26 05 36 00-1299	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	475.00	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*23.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.39*	
26 05 36 00-1300	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	523.19	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*26.16*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.31*	
26 05 36 00-1301	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	610.49	233.28
		For 6" Overall Height Instead Of 4-5/8", Add	*30.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.61*	
26 05 36 00-1302		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1303	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	357.87	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*17.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.92*	
26 05 36 00-1304	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	392.13	122.35
		For 6" Overall Height Instead Of 4-5/8", Add	*19.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.02*	
26 05 36 00-1305	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	423.99	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*21.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.06*	
26 05 36 00-1306	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	495.57	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*24.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.48*	
26 05 36 00-1307	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	561.26	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*28.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-39.79*	
26 05 36 00-1308	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	627.32	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*31.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.19*	
26 05 36 00-1309	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	718.23	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*35.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.35*	
26 05 36 00-1310		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1311	EA	6" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	383.92	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*19.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-29.12*	
26 05 36 00-1312	EA	9" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	418.23	128.78
		For 6" Overall Height Instead Of 4-5/8", Add	*20.91*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.10*	
26 05 36 00-1313	EA	12" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	467.09	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*23.35*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.70*	
26 05 36 00-1314	EA	18" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	557.50	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*27.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.64*	
26 05 36 00-1315	EA	24" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	643.56	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*32.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.62*	
26 05 36 00-1316	EA	30" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	725.28	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*36.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.12*	
26 05 36 00-1317	EA	36" Horizontal 90 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	843.05	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*42.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.33*	
26 05 36 00-1318		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1293)*		
26 05 36 00-1319	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	190.63	74.18
		For 30 Degree Bend, Deduct	*-61.59*	
		For 60 Degree Bend, Deduct	*-34.48*	
		For 6" Overall Height Instead Of 4-5/8", Add	*9.53*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-12.88*	
26 05 36 00-1320	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	217.85	88.98
		For 30 Degree Bend, Deduct	*-67.93*	
		For 60 Degree Bend, Deduct	*-37.80*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-14.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1321	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	242.27	102.05
		For 30 Degree Bend, Deduct	*-73.72*	
		For 60 Degree Bend, Deduct	*-40.83*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.11*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.72*	
26 05 36 00-1322	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	300.00	128.99
		For 30 Degree Bend, Deduct	*-89.78*	
		For 60 Degree Bend, Deduct	*-49.57*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.25*	
26 05 36 00-1323	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	368.98	157.96
		For 30 Degree Bend, Deduct	*-110.79*	
		For 60 Degree Bend, Deduct	*-61.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.73*	
26 05 36 00-1324	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	423.44	181.34
		For 30 Degree Bend, Deduct	*-127.10*	
		For 60 Degree Bend, Deduct	*-70.21*	
		For 6" Overall Height Instead Of 4-5/8", Add	*21.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.23*	
26 05 36 00-1325	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	481.14	212.87
		For 30 Degree Bend, Deduct	*-140.44*	
		For 60 Degree Bend, Deduct	*-77.17*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.06*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.37*	

26 05 36 00-1326 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1327	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	217.72	76.53
		For 30 Degree Bend, Deduct	*-75.12*	
		For 60 Degree Bend, Deduct	*-42.52*	
		For 6" Overall Height Instead Of 4-5/8", Add	*10.89*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-15.40*	
26 05 36 00-1328	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	254.31	92.25
		For 30 Degree Bend, Deduct	*-86.05*	
		For 60 Degree Bend, Deduct	*-48.56*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-17.74*	
26 05 36 00-1329	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	280.66	106.54
		For 30 Degree Bend, Deduct	*-92.22*	
		For 60 Degree Bend, Deduct	*-51.78*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.03*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.19*	
26 05 36 00-1330	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	337.63	136.03
		For 30 Degree Bend, Deduct	*-106.33*	
		For 60 Degree Bend, Deduct	*-59.26*	
		For 6" Overall Height Instead Of 4-5/8", Add	*16.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.42*	
26 05 36 00-1331	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	410.49	168.99
		For 30 Degree Bend, Deduct	*-127.21*	
		For 60 Degree Bend, Deduct	*-70.70*	
		For 6" Overall Height Instead Of 4-5/8", Add	*20.52*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.97*	
26 05 36 00-1332	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	481.34	196.03
		For 30 Degree Bend, Deduct	*-150.41*	
		For 60 Degree Bend, Deduct	*-83.71*	
		For 6" Overall Height Instead Of 4-5/8", Add	*24.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.80*	
26 05 36 00-1333	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	551.32	233.38
		For 30 Degree Bend, Deduct	*-167.11*	
		For 60 Degree Bend, Deduct	*-92.49*	
		For 6" Overall Height Instead Of 4-5/8", Add	*27.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.69*	

26 05 36 00-1334 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1293)*

26 05 36 00-1335	EA	6" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	252.75	78.99
		For 30 Degree Bend, Deduct	*-92.96*	
		For 60 Degree Bend, Deduct	*-53.14*	
		For 6" Overall Height Instead Of 4-5/8", Add	*12.64*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.70*	
26 05 36 00-1336	EA	9" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	283.60	95.92
		For 30 Degree Bend, Deduct	*-100.03*	
		For 60 Degree Bend, Deduct	*-56.82*	
		For 6" Overall Height Instead Of 4-5/8", Add	*14.18*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.37*	
26 05 36 00-1337	EA	12" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	311.86	111.33
		For 30 Degree Bend, Deduct	*-106.58*	
		For 60 Degree Bend, Deduct	*-60.24*	
		For 6" Overall Height Instead Of 4-5/8", Add	*15.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-21.91*	
26 05 36 00-1338	EA	18" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	379.44	144.09
		For 30 Degree Bend, Deduct	*-124.62*	
		For 60 Degree Bend, Deduct	*-69.96*	
		For 6" Overall Height Instead Of 4-5/8", Add	*18.97*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1339	EA	24" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	472.42	181.34
		For 30 Degree Bend, Deduct	*-154.04*	
		For 60 Degree Bend, Deduct	*-86.38*	
		For 6" Overall Height Instead Of 4-5/8", Add	*23.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.13*	
26 05 36 00-1340	EA	30" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	535.28	212.87
		For 30 Degree Bend, Deduct	*-170.22*	
		For 60 Degree Bend, Deduct	*-95.03*	
		For 6" Overall Height Instead Of 4-5/8", Add	*26.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.79*	
26 05 36 00-1341	EA	36" Horizontal 45 Degree Elbow, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	628.00	257.67
		For 30 Degree Bend, Deduct	*-195.08*	
		For 60 Degree Bend, Deduct	*-108.46*	
		For 6" Overall Height Instead Of 4-5/8", Add	*31.40*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.33*	

26 05 36 00-1342 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1343	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	307.30	102.05
		For 6" Overall Height Instead Of 4-5/8", Add	*15.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.23*	
26 05 36 00-1344	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	339.00	116.54
		For 6" Overall Height Instead Of 4-5/8", Add	*16.95*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.19*	
26 05 36 00-1345	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	361.94	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*18.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.46*	
26 05 36 00-1346	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	415.47	157.96
		For 6" Overall Height Instead Of 4-5/8", Add	*20.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-28.38*	
26 05 36 00-1347	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	461.94	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*23.10*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.08*	
26 05 36 00-1348	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	507.31	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*25.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.72*	
26 05 36 00-1349	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	560.45	232.97
		For 6" Overall Height Instead Of 4-5/8", Add	*28.02*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.63*	

26 05 36 00-1350 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1351	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	325.86	106.44
		For 6" Overall Height Instead Of 4-5/8", Add	*16.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.72*	
26 05 36 00-1352	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	358.78	122.45
		For 6" Overall Height Instead Of 4-5/8", Add	*17.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.67*	
26 05 36 00-1353	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	385.20	136.03
		For 6" Overall Height Instead Of 4-5/8", Add	*19.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.18*	
26 05 36 00-1354	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	448.75	168.99
		For 6" Overall Height Instead Of 4-5/8", Add	*22.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-30.80*	
26 05 36 00-1355	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	503.80	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*25.19*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.05*	
26 05 36 00-1356	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	557.92	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*27.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-37.25*	
26 05 36 00-1357	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	629.08	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*31.45*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.43*	

26 05 36 00-1358 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1293)*

26 05 36 00-1359	EA	6" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	414.94	111.23
		For 6" Overall Height Instead Of 4-5/8", Add	*20.75*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-32.22*	
26 05 36 00-1360	EA	9" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	449.26	128.89
		For 6" Overall Height Instead Of 4-5/8", Add	*22.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-34.19*	
26 05 36 00-1361	EA	12" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	489.71	144.09
		For 6" Overall Height Instead Of 4-5/8", Add	*24.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-36.96*	
26 05 36 00-1362	EA	18" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	561.74	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*28.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.06*	
26 05 36 00-1363	EA	24" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	624.27	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*31.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.69*	
26 05 36 00-1364	EA	30" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	697.59	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*34.88*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1365	EA	36" Vertical Riser 90 Degree, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	781.42	287.78
		For 6" Overall Height Instead Of 4-5/8", Add	*39.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-54.17*	

26 05 36 00-1366 12" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1367	EA	6" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	478.85	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*23.94*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-31.55*	
26 05 36 00-1368	EA	9" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	516.99	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*25.85*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-33.96*	
26 05 36 00-1369	EA	12" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	535.46	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*26.77*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-35.01*	
26 05 36 00-1370	EA	18" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	605.28	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*30.26*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-40.12*	
26 05 36 00-1371	EA	24" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	670.20	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*33.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.36*	
26 05 36 00-1372	EA	30" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	732.42	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*36.62*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.22*	
26 05 36 00-1373	EA	36" Horizontal Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	845.84	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*42.29*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.39*	

26 05 36 00-1374 24" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1375	EA	6" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	614.29	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*30.71*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-43.69*	
26 05 36 00-1376	EA	9" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	663.34	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*33.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.89*	
26 05 36 00-1377	EA	12" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	690.10	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*34.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-48.60*	
26 05 36 00-1378	EA	18" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	760.01	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*38.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.34*	
26 05 36 00-1379	EA	24" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	844.55	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*42.23*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-58.94*	
26 05 36 00-1380	EA	30" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	910.71	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*45.54*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.87*	
26 05 36 00-1381	EA	36" Horizontal Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,189.71	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*59.49*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.55*	

26 05 36 00-1382 36" Radius Horizontal Tees *(26 05 36 00-1293)*

26 05 36 00-1383	EA	6" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	755.65	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*37.78*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.12*	
26 05 36 00-1384	EA	9" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	806.22	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*40.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-59.15*	
26 05 36 00-1385	EA	12" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	864.80	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*43.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.82*	
26 05 36 00-1386	EA	18" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	944.34	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*47.22*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.92*	
26 05 36 00-1387	EA	24" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,061.48	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*53.07*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.03*	
26 05 36 00-1388	EA	30" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,234.62	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*61.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-92.04*	
26 05 36 00-1389	EA	36" Horizontal Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,415.24	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*70.76*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-104.44*	

26 05 36 00-1390 12" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1391	EA	6" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	644.07	181.34
		For 6" Overall Height Instead Of 4-5/8", Add	*32.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-49.29*	
26 05 36 00-1392	EA	9" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	665.96	188.47
		For 6" Overall Height Instead Of 4-5/8", Add	*33.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-50.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1393	EA	12" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	680.94	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*34.05*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-51.76*	
26 05 36 00-1394	EA	18" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	716.58	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*35.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-53.92*	
26 05 36 00-1395	EA	24" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	762.50	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*38.13*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-57.71*	
26 05 36 00-1396	EA	30" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	807.36	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*40.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-60.33*	
26 05 36 00-1397	EA	36" Vertical Tee, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	864.80	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*43.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.82*	

26 05 36 00-1398 24" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1399	EA	6" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	905.48	196.03
		For 6" Overall Height Instead Of 4-5/8", Add	*45.27*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-74.22*	
26 05 36 00-1400	EA	9" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	926.45	204.10
		For 6" Overall Height Instead Of 4-5/8", Add	*46.32*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.64*	
26 05 36 00-1401	EA	12" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	948.60	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*47.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.12*	
26 05 36 00-1402	EA	18" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,000.15	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*50.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.57*	
26 05 36 00-1403	EA	24" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,034.40	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*51.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-83.03*	
26 05 36 00-1404	EA	30" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,094.33	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*54.72*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.78*	
26 05 36 00-1405	EA	36" Vertical Tee, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,208.80	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*60.44*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-95.37*	

26 05 36 00-1406 36" Radius Vertical Tees *(26 05 36 00-1293)*

26 05 36 00-1407	EA	6" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,455.94	212.87
		For 6" Overall Height Instead Of 4-5/8", Add	*72.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-127.85*	
26 05 36 00-1408	EA	9" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,486.22	222.46
		For 6" Overall Height Instead Of 4-5/8", Add	*74.31*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-130.08*	
26 05 36 00-1409	EA	12" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,518.61	233.38
		For 6" Overall Height Instead Of 4-5/8", Add	*75.93*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-132.42*	
26 05 36 00-1410	EA	18" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,573.52	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*78.68*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-135.88*	
26 05 36 00-1411	EA	24" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,611.47	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*80.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.49*	
26 05 36 00-1412	EA	30" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,711.45	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*85.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-145.63*	
26 05 36 00-1413	EA	36" Vertical Tee, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,797.97	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*89.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-150.67*	

26 05 36 00-1414 12" Radius Horizontal Crosses *(26 05 36 00-1293)*

26 05 36 00-1415	EA	6" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	620.25	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*31.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.62*	
26 05 36 00-1416	EA	9" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	664.01	257.67
		For 6" Overall Height Instead Of 4-5/8", Add	*33.20*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.93*	
26 05 36 00-1417	EA	12" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.16	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*34.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.36*	
26 05 36 00-1418	EA	18" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	767.35	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*38.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.71*	
26 05 36 00-1419	EA	24" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	840.85	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*42.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.89*	
26 05 36 00-1420	EA	30" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	931.75	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*46.59*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1421	EA	36" Horizontal Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,064.97	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*53.25*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.08*	
26 05 36 00-1422		**24" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1423	EA	6" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	859.81	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*42.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.32*	
26 05 36 00-1424	EA	9" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	899.58	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*44.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.94*	
26 05 36 00-1425	EA	12" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	941.85	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*47.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.67*	
26 05 36 00-1426	EA	18" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	998.03	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*49.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.61*	
26 05 36 00-1427	EA	24" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,122.35	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*56.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.82*	
26 05 36 00-1428	EA	30" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,209.23	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*60.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.91*	
26 05 36 00-1429	EA	36" Horizontal Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,337.90	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*66.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.71*	
26 05 36 00-1430		**36" Radius Horizontal Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1431	EA	6" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	989.25	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*49.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-73.41*	
26 05 36 00-1432	EA	9" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,042.94	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*52.15*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-77.10*	
26 05 36 00-1433	EA	12" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,111.38	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*55.57*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-82.02*	
26 05 36 00-1434	EA	18" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,192.21	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*59.61*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-87.80*	
26 05 36 00-1435	EA	24" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,440.19	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*72.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-106.94*	
26 05 36 00-1436	EA	30" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,588.49	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*79.42*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-118.10*	
26 05 36 00-1437	EA	36" Horizontal Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,768.62	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*88.43*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-131.47*	
26 05 36 00-1438		**12" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1439	EA	6" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	620.25	244.91
		For 6" Overall Height Instead Of 4-5/8", Add	*31.01*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-41.62*	
26 05 36 00-1440	EA	9" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	664.15	257.77
		For 6" Overall Height Instead Of 4-5/8", Add	*33.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-44.93*	
26 05 36 00-1441	EA	12" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	690.08	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*34.50*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-46.36*	
26 05 36 00-1442	EA	18" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	767.53	288.39
		For 6" Overall Height Instead Of 4-5/8", Add	*38.38*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-52.72*	
26 05 36 00-1443	EA	24" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	840.85	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*42.04*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-56.89*	
26 05 36 00-1444	EA	30" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	932.01	349.61
		For 6" Overall Height Instead Of 4-5/8", Add	*46.60*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-64.07*	
26 05 36 00-1445	EA	36" Vertical Cross, 12" Rung Spacing, 12" Radius, Aluminum Cable Tray	1,064.20	376.55
		For 6" Overall Height Instead Of 4-5/8", Add	*53.21*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-75.04*	
26 05 36 00-1446		**24" Radius Vertical Crosses** *(26 05 36 00-1293)*		
26 05 36 00-1447	EA	6" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	859.81	271.85
		For 6" Overall Height Instead Of 4-5/8", Add	*42.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-63.32*	
26 05 36 00-1448	EA	9" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	899.58	288.28
		For 6" Overall Height Instead Of 4-5/8", Add	*44.98*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-65.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1449	EA	12" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	941.85	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*47.09*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-68.67*	
26 05 36 00-1450	EA	18" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	998.03	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*49.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-72.61*	
26 05 36 00-1451	EA	24" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,122.35	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*56.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-80.82*	
26 05 36 00-1452	EA	30" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,209.23	408.18
		For 6" Overall Height Instead Of 4-5/8", Add	*60.46*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-86.91*	
26 05 36 00-1453	EA	36" Vertical Cross, 12" Rung Spacing, 24" Radius, Aluminum Cable Tray	1,337.90	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*66.90*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-96.71*	

26 05 36 00-1454 36" Radius Vertical Crosses *(26 05 36 00-1293)*

26 05 36 00-1455	EA	6" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,204.81	306.14
		For 6" Overall Height Instead Of 4-5/8", Add	*60.24*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-94.97*	
26 05 36 00-1456	EA	9" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,267.48	326.35
		For 6" Overall Height Instead Of 4-5/8", Add	*63.37*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-99.55*	
26 05 36 00-1457	EA	12" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,349.39	349.51
		For 6" Overall Height Instead Of 4-5/8", Add	*67.47*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-105.82*	
26 05 36 00-1458	EA	18" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,445.94	377.06
		For 6" Overall Height Instead Of 4-5/8", Add	*72.30*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-113.18*	
26 05 36 00-1459	EA	24" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,754.55	444.92
		For 6" Overall Height Instead Of 4-5/8", Add	*87.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-138.37*	
26 05 36 00-1460	EA	30" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	1,936.53	489.00
		For 6" Overall Height Instead Of 4-5/8", Add	*96.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-152.90*	
26 05 36 00-1461	EA	36" Vertical Cross, 12" Rung Spacing, 36" Radius, Aluminum Cable Tray	2,155.95	544.72
		For 6" Overall Height Instead Of 4-5/8", Add	*107.80*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-170.20*	

26 05 36 00-1462 Dropout Or End Plates And Reducers *(26 05 36 00-0744)*

26 05 36 00-1463 Straight Reducers *(26 05 36 00-1462)*

26 05 36 00-1464	EA	9" To 6" Reducer, Aluminum Cable Tray	250.29	75.31
		For 6" Overall Height Instead Of 4-5/8", Add	*12.51*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-18.75*	
26 05 36 00-1465	EA	12" To 9" Reducer, Aluminum Cable Tray	263.44	81.53
		For 6" Overall Height Instead Of 4-5/8", Add	*13.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-19.55*	
26 05 36 00-1466	EA	18" To 12" Reducer, Aluminum Cable Tray	287.19	94.09
		For 6" Overall Height Instead Of 4-5/8", Add	*14.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.87*	
26 05 36 00-1467	EA	24" To 18" Reducer, Aluminum Cable Tray	314.51	108.89
		For 6" Overall Height Instead Of 4-5/8", Add	*15.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.38*	
26 05 36 00-1468	EA	30" To 24" Reducer, Aluminum Cable Tray	339.93	122.45
		For 6" Overall Height Instead Of 4-5/8", Add	*17.00*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.79*	
26 05 36 00-1469	EA	36" To 30" Reducer, Aluminum Cable Tray	377.34	139.91
		For 6" Overall Height Instead Of 4-5/8", Add	*18.87*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.07*	

26 05 36 00-1470 Reducers *(26 05 36 00-1462)*

26 05 36 00-1471	EA	18" To 6" Reducer, Aluminum Cable Tray	287.28	94.19
		For 6" Overall Height Instead Of 4-5/8", Add	*14.36*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-20.88*	
26 05 36 00-1472	EA	24" To 12" Reducer, Aluminum Cable Tray	314.77	108.99
		For 6" Overall Height Instead Of 4-5/8", Add	*15.74*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-22.39*	
26 05 36 00-1473	EA	30" To 12" Reducer, Aluminum Cable Tray	339.76	122.35
		For 6" Overall Height Instead Of 4-5/8", Add	*16.99*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-23.78*	
26 05 36 00-1474	EA	30" To 18" Reducer, Aluminum Cable Tray	342.38	122.25
		For 6" Overall Height Instead Of 4-5/8", Add	*17.12*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-24.05*	
26 05 36 00-1475	EA	36" To 12" Reducer, Aluminum Cable Tray	374.57	139.91
		For 6" Overall Height Instead Of 4-5/8", Add	*18.73*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-25.80*	
26 05 36 00-1476	EA	36" To 18" Reducer, Aluminum Cable Tray	383.47	143.58
		For 6" Overall Height Instead Of 4-5/8", Add	*19.17*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-26.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1477	EA	36" To 24" Reducer, Aluminum Cable Tray	396.66	148.17
		For 6" Overall Height Instead Of 4-5/8", Add	*19.83*	
		For 3-5/8" Overall Height Instead Of 4-5/8", Deduct	*-27.32*	
26 05 36 00-1478		**Dropout Or End Plate** *(26 05 36 00-1462)*		
26 05 36 00-1479	EA	6" Dropout Or End Plate, Aluminum Cable Tray	67.51	30.61
26 05 36 00-1480	EA	9" Dropout Or End Plate, Aluminum Cable Tray	75.87	35.00
26 05 36 00-1481	EA	12" Dropout Or End Plate, Aluminum Cable Tray	81.88	37.66
26 05 36 00-1482	EA	18" Dropout Or End Plate, Aluminum Cable Tray	99.82	44.50
26 05 36 00-1483	EA	24" Dropout Or End Plate, Aluminum Cable Tray	111.71	48.98
26 05 36 00-1484	EA	30" Dropout Or End Plate, Aluminum Cable Tray	126.49	54.39
26 05 36 00-1485	EA	36" Dropout Or End Plate, Aluminum Cable Tray	141.83	61.23
26 05 36 00-1486		**Solid Bottom Cable Tray** *(26 05 36 00-0001)*		
		Note: 3-5/8" Height.		
26 05 36 00-1487		**Solid Bottom Galvanized Steel Straight Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1488	LF	6" Solid Bottom Steel Cable Tray, Straight Section	29.80	7.96
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.13*	
26 05 36 00-1489	LF	12" Solid Bottom Steel Cable Tray, Straight Section	37.22	9.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.95*	
26 05 36 00-1490	LF	18" Solid Bottom Steel Cable Tray, Straight Section	49.15	14.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.02*	
26 05 36 00-1491	LF	24" Solid Bottom Steel Cable Tray, Straight Section	56.94	16.12
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.85*	
26 05 36 00-1492	LF	30" Solid Bottom Steel Cable Tray, Straight Section	68.16	19.49
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*6.97*	
26 05 36 00-1493	LF	36" Solid Bottom Steel Cable Tray, Straight Section	88.29	22.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*9.52*	
26 05 36 00-1494		**Solid Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1495		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1496	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	294.75	102.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.19*	
26 05 36 00-1497	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	379.06	143.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.90*	
26 05 36 00-1498	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	461.71	181.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.03*	
26 05 36 00-1499	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	565.66	222.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.71*	
26 05 36 00-1500	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	661.89	258.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.26*	
26 05 36 00-1501	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	744.51	288.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.63*	
26 05 36 00-1502		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1503	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	354.16	106.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.40*	
26 05 36 00-1504	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	462.14	153.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.78*	
26 05 36 00-1505	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	565.81	196.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.21*	
26 05 36 00-1506	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	687.19	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*62.26*	
26 05 36 00-1507	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	805.88	287.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.93*	
26 05 36 00-1508	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	910.16	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.13*	
26 05 36 00-1509		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1510	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	444.22	111.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.12*	
26 05 36 00-1511	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	564.03	163.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.35*	
26 05 36 00-1512	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	711.55	213.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.20*	
26 05 36 00-1513	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	839.27	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.58*	
26 05 36 00-1514	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,007.32	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.70*	
26 05 36 00-1515	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,147.48	376.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.44*	
26 05 36 00-1516		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1494)*		
26 05 36 00-1517	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	263.73	102.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*22.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1518	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	344.18	143.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.67*	
26 05 36 00-1519	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	421.49	181.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.03*	
26 05 36 00-1520	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	516.53	222.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.40*	
26 05 36 00-1521	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	603.97	258.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.57*	
26 05 36 00-1522	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Steel Cable Tray	677.59	287.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.68*	

26 05 36 00-1523 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1524	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	310.07	106.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.77*	
26 05 36 00-1525	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	410.20	153.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.02*	
26 05 36 00-1526	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	506.43	196.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.26*	
26 05 36 00-1527	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	617.44	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.80*	
26 05 36 00-1528	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	725.20	288.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.74*	
26 05 36 00-1529	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Steel Cable Tray	818.61	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.40*	

26 05 36 00-1530 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1494)*

26 05 36 00-1531	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	379.72	111.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.42*	
26 05 36 00-1532	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	465.81	148.27
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.15*	
26 05 36 00-1533	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	622.49	213.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.84*	
26 05 36 00-1534	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	743.54	272.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.14*	
26 05 36 00-1535	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	891.48	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.33*	
26 05 36 00-1536	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Steel Cable Tray	1,018.85	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.99*	

26 05 36 00-1537 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1538	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	321.70	101.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.28*	
26 05 36 00-1539	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	398.99	143.68
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*35.89*	
26 05 36 00-1540	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	464.20	181.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*39.40*	
26 05 36 00-1541	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	560.68	222.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.97*	
26 05 36 00-1542	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	632.00	258.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.78*	
26 05 36 00-1543	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Steel Cable Tray	688.80	287.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*55.37*	

26 05 36 00-1544 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1545	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	391.53	106.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.00*	
26 05 36 00-1546	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	489.54	153.17
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*47.89*	
26 05 36 00-1547	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	580.76	196.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.45*	
26 05 36 00-1548	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	684.70	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.89*	
26 05 36 00-1549	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	771.01	287.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.70*	
26 05 36 00-1550	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Steel Cable Tray	862.83	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.03*	

26 05 36 00-1551 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1494)*

26 05 36 00-1552	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	476.61	111.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*52.98*	
26 05 36 00-1553	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	574.03	148.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.34*	
26 05 36 00-1554	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	711.55	213.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.20*	
26 05 36 00-1555	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	844.26	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.33*	
26 05 36 00-1556	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	969.95	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1557	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Steel Cable Tray	1,090.18	376.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.85*	

26 05 36 00-1558 12" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1559	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	501.04	196.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.49*	
26 05 36 00-1560	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	596.86	244.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*48.78*	
26 05 36 00-1561	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	704.65	288.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*57.65*	
26 05 36 00-1562	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	835.40	350.22
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.93*	
26 05 36 00-1563	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	914.85	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.39*	
26 05 36 00-1564	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Steel Cable Tray	1,070.46	444.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.41*	

26 05 36 00-1565 24" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1566	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	626.36	212.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.47*	
26 05 36 00-1567	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	769.52	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.11*	
26 05 36 00-1568	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	895.22	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.89*	
26 05 36 00-1569	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,156.13	408.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.39*	
26 05 36 00-1570	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,259.79	444.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*114.81*	
26 05 36 00-1571	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,468.40	544.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*129.47*	

26 05 36 00-1572 36" Radius Horizontal Tees *(26 05 36 00-1494)*

26 05 36 00-1573	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	814.89	233.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*83.34*	
26 05 36 00-1574	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	986.05	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*96.88*	
26 05 36 00-1575	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,146.53	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.14*	
26 05 36 00-1576	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,406.77	444.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*136.85*	
26 05 36 00-1577	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,540.12	490.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.25*	
26 05 36 00-1578	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,767.81	612.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*163.13*	

26 05 36 00-1579 12" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1580	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	613.15	196.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*59.31*	
26 05 36 00-1581	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	707.12	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.25*	
26 05 36 00-1582	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	757.06	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.25*	
26 05 36 00-1583	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	813.36	287.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.05*	
26 05 36 00-1584	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	900.20	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.63*	
26 05 36 00-1585	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Steel Cable Tray	997.05	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.72*	

26 05 36 00-1586 24" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1587	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	778.32	212.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*81.27*	
26 05 36 00-1588	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	896.57	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.17*	
26 05 36 00-1589	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	976.08	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*95.39*	
26 05 36 00-1590	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,032.23	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.44*	
26 05 36 00-1591	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,163.96	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*111.76*	
26 05 36 00-1592	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Steel Cable Tray	1,302.14	444.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.16*	

26 05 36 00-1593 36" Radius Vertical Tees *(26 05 36 00-1494)*

26 05 36 00-1594	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,048.46	232.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*118.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1595	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,182.85	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*126.40*	
26 05 36 00-1596	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,304.90	349.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*137.49*	
26 05 36 00-1597	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,375.71	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*143.52*	
26 05 36 00-1598	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,613.53	444.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*167.87*	
26 05 36 00-1599	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Steel Cable Tray	1,736.81	489.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*179.01*	

26 05 36 00-1600 12" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1601	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	617.44	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.80*	
26 05 36 00-1602	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	707.14	288.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.03*	
26 05 36 00-1603	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	849.02	349.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*69.11*	
26 05 36 00-1604	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	979.25	408.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.86*	
26 05 36 00-1605	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,148.89	489.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*90.83*	
26 05 36 00-1606	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Steel Cable Tray	1,274.08	544.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*100.32*	

26 05 36 00-1607 24" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1608	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	835.09	272.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.87*	
26 05 36 00-1609	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	969.95	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*91.10*	
26 05 36 00-1610	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,156.13	408.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*105.39*	
26 05 36 00-1611	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,428.02	490.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*132.44*	
26 05 36 00-1612	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,568.04	544.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*144.42*	
26 05 36 00-1613	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Steel Cable Tray	1,717.99	612.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*155.65*	

26 05 36 00-1614 36" Radius Horizontal Crosses *(26 05 36 00-1494)*

26 05 36 00-1615	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,133.03	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*118.93*	
26 05 36 00-1616	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,313.43	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*134.18*	
26 05 36 00-1617	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,565.03	490.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*152.99*	
26 05 36 00-1618	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,792.25	544.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*178.05*	
26 05 36 00-1619	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	1,979.56	612.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*194.89*	
26 05 36 00-1620	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Steel Cable Tray	2,186.29	698.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*211.45*	

26 05 36 00-1621 Straight Reducers *(26 05 36 00-1494)*

26 05 36 00-1622	EA	12" To 6" Reducer, Solid Bottom, Steel Cable Tray	258.13	81.63
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.11*	
26 05 36 00-1623	EA	18" To 12" Reducer, Solid Bottom, Steel Cable Tray	278.33	92.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.37*	
26 05 36 00-1624	EA	24" To 18" Reducer, Solid Bottom, Steel Cable Tray	306.71	106.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.29*	
26 05 36 00-1625	EA	30" To 24" Reducer, Solid Bottom, Steel Cable Tray	343.61	122.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.13*	
26 05 36 00-1626	EA	36" To 30" Reducer, Solid Bottom, Steel Cable Tray	370.85	135.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.99*	

26 05 36 00-1627 Reducers *(26 05 36 00-1494)*

26 05 36 00-1628	EA	18" To 6" Reducer, Solid Bottom, Steel Cable Tray	278.43	92.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.38*	
26 05 36 00-1629	EA	24" To 12" Reducer, Solid Bottom, Steel Cable Tray	304.59	106.54
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.93*	
26 05 36 00-1630	EA	30" To 12" Reducer, Solid Bottom, Steel Cable Tray	338.45	122.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.37*	
26 05 36 00-1631	EA	30" To 18" Reducer, Solid Bottom, Steel Cable Tray	340.78	122.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.74*	
26 05 36 00-1632	EA	36" To 12" Reducer, Solid Bottom, Steel Cable Tray	368.36	135.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.62*	
26 05 36 00-1633	EA	36" To 18" Reducer, Solid Bottom, Steel Cable Tray	370.85	135.83
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1634	EA	36" To 24" Reducer, Solid Bottom, Steel Cable Tray	373.75	136.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.39*	
26 05 36 00-1635		**Dropout Or End Plate** *(26 05 36 00-1494)*		
26 05 36 00-1636	EA	6" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	76.43	30.61
26 05 36 00-1637	EA	12" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	93.89	37.35
26 05 36 00-1638	EA	18" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	107.76	44.29
26 05 36 00-1639	EA	24" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	121.61	48.98
26 05 36 00-1640	EA	30" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	135.47	54.39
26 05 36 00-1641	EA	36" Dropout Or End Plate, Solid Bottom, Steel Cable Tray	150.01	61.23
26 05 36 00-1642		**Solid Bottom Aluminum Straight Cable Tray Sections** *(26 05 36 00-1486)*		
26 05 36 00-1643	LF	6" Solid Bottom Aluminum Cable Tray, Straight Section	26.68	6.43
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*2.93*	
26 05 36 00-1644	LF	12" Solid Bottom Aluminum Cable Tray, Straight Section	33.48	7.55
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*3.77*	
26 05 36 00-1645	LF	18" Solid Bottom Aluminum Cable Tray, Straight Section	42.68	9.80
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*4.76*	
26 05 36 00-1646	LF	24" Solid Bottom Aluminum Cable Tray, Straight Section	51.14	10.82
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*5.88*	
26 05 36 00-1647	LF	30" Solid Bottom Aluminum Cable Tray, Straight Section	62.40	13.98
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*7.03*	
26 05 36 00-1648	LF	36" Solid Bottom Steel Aluminum Tray, Straight Section	74.69	15.31
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*8.65*	
26 05 36 00-1649		**Solid Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1486)*		
26 05 36 00-1650		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1651	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	298.54	102.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.76*	
26 05 36 00-1652	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	358.78	128.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.38*	
26 05 36 00-1653	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	416.48	143.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.47*	
26 05 36 00-1654	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	484.45	169.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*44.48*	
26 05 36 00-1655	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	573.75	196.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*53.36*	
26 05 36 00-1656	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	648.11	222.76
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.08*	
26 05 36 00-1657		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1658	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	359.79	106.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.24*	
26 05 36 00-1659	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	443.57	136.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*43.84*	
26 05 36 00-1660	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	501.80	153.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.76*	
26 05 36 00-1661	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	607.10	181.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.84*	
26 05 36 00-1662	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	703.29	212.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.06*	
26 05 36 00-1663	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	809.28	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.57*	
26 05 36 00-1664		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1665	EA	6" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	455.88	111.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.87*	
26 05 36 00-1666	EA	12" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	565.34	144.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.76*	
26 05 36 00-1667	EA	18" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	657.61	163.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*71.39*	
26 05 36 00-1668	EA	24" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	739.37	195.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*78.28*	
26 05 36 00-1669	EA	30" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	856.18	233.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*89.54*	
26 05 36 00-1670	EA	36" Horizontal 90 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	999.84	271.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*104.74*	
26 05 36 00-1671		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1649)*		
26 05 36 00-1672	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	270.42	102.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*23.53*	
26 05 36 00-1673	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	327.01	128.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.61*	
26 05 36 00-1674	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	377.43	143.89
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*32.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1675	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	439.27	168.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*37.76*	
26 05 36 00-1676	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	519.48	196.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*45.22*	
26 05 36 00-1677	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 12" Radius, Aluminum Cable Tray	586.14	222.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.89*	

26 05 36 00-1678 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1679	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	319.76	106.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.22*	
26 05 36 00-1680	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	395.71	136.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*36.68*	
26 05 36 00-1681	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	448.04	153.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.64*	
26 05 36 00-1682	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	540.04	181.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.78*	
26 05 36 00-1683	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	627.50	213.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.59*	
26 05 36 00-1684	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 24" Radius, Aluminum Cable Tray	721.04	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*67.34*	

26 05 36 00-1685 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-1649)*

26 05 36 00-1686	EA	6" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	396.59	111.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*40.95*	
26 05 36 00-1687	EA	12" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	493.41	143.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.01*	
26 05 36 00-1688	EA	18" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	572.90	163.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.68*	
26 05 36 00-1689	EA	24" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	649.31	196.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.69*	
26 05 36 00-1690	EA	30" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	753.38	233.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*74.12*	
26 05 36 00-1691	EA	36" Horizontal 45 Degree Elbow, Solid Bottom, 36" Radius, Aluminum Cable Tray	880.99	272.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.75*	

26 05 36 00-1692 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1693	EA	6" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	322.16	101.84
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.35*	
26 05 36 00-1694	EA	12" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	372.81	128.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.48*	
26 05 36 00-1695	EA	18" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	418.49	143.99
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*38.77*	
26 05 36 00-1696	EA	24" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	470.42	169.09
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*42.37*	
26 05 36 00-1697	EA	30" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	527.62	196.24
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.44*	
26 05 36 00-1698	EA	36" Vertical Riser 90 Degree, Solid Bottom, 12" Radius, Aluminum Cable Tray	576.84	222.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*49.50*	

26 05 36 00-1699 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1700	EA	6" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	393.88	106.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*41.35*	
26 05 36 00-1701	EA	12" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	461.62	136.23
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.55*	
26 05 36 00-1702	EA	18" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	507.81	153.07
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.66*	
26 05 36 00-1703	EA	24" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	577.02	181.34
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.33*	
26 05 36 00-1704	EA	30" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	645.13	212.56
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.34*	
26 05 36 00-1705	EA	36" Vertical Riser 90 Degree, Solid Bottom, 24" Radius, Aluminum Cable Tray	729.06	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.54*	

26 05 36 00-1706 90 Degree, 36" Radius Vertical Risers *(26 05 36 00-1649)*

26 05 36 00-1707	EA	6" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	469.92	111.13
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*51.97*	
26 05 36 00-1708	EA	12" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	561.33	144.29
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*60.15*	
26 05 36 00-1709	EA	18" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	621.52	163.58
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*65.97*	
26 05 36 00-1710	EA	24" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	689.23	195.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*70.76*	
26 05 36 00-1711	EA	30" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	790.00	233.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.61*	
26 05 36 00-1712	EA	36" Vertical Riser 90 Degree, Solid Bottom, 36" Radius, Aluminum Cable Tray	869.48	271.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1713		**12" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1714	EA	6" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	525.20	196.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*46.11*	
26 05 36 00-1715	EA	12" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	610.93	222.15
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*54.61*	
26 05 36 00-1716	EA	18" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	678.92	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.02*	
26 05 36 00-1717	EA	24" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	756.77	272.37
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.12*	
26 05 36 00-1718	EA	30" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	892.92	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*79.54*	
26 05 36 00-1719	EA	36" Horizontal Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,081.41	408.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*94.18*	
26 05 36 00-1720		**24" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1721	EA	6" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	681.71	212.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*66.77*	
26 05 36 00-1722	EA	12" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	777.19	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.76*	
26 05 36 00-1723	EA	18" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	870.28	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*85.23*	
26 05 36 00-1724	EA	24" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,055.36	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*103.91*	
26 05 36 00-1725	EA	30" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,261.90	408.18
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*121.25*	
26 05 36 00-1726	EA	36" Horizontal Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,395.56	446.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*134.96*	
26 05 36 00-1727		**36" Radius Horizontal Tees** *(26 05 36 00-1649)*		
26 05 36 00-1728	EA	6" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	920.35	233.38
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.16*	
26 05 36 00-1729	EA	12" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,034.73	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.90*	
26 05 36 00-1730	EA	18" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,182.07	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*126.29*	
26 05 36 00-1731	EA	24" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,408.96	376.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*148.66*	
26 05 36 00-1732	EA	30" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,680.04	490.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*170.24*	
26 05 36 00-1733	EA	36" Horizontal Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,870.52	544.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*189.79*	
26 05 36 00-1734		**12" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1735	EA	6" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	609.43	196.03
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*58.75*	
26 05 36 00-1736	EA	12" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	659.59	222.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*61.86*	
26 05 36 00-1737	EA	18" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	689.12	232.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*64.54*	
26 05 36 00-1738	EA	24" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	728.41	244.50
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*68.51*	
26 05 36 00-1739	EA	30" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	802.10	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*75.00*	
26 05 36 00-1740	EA	36" Vertical Tee, Solid Bottom, 12" Radius, Aluminum Cable Tray	912.97	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*82.55*	
26 05 36 00-1741		**24" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1742	EA	6" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	771.96	212.87
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*80.31*	
26 05 36 00-1743	EA	12" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	849.39	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.59*	
26 05 36 00-1744	EA	18" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	900.78	257.67
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*92.17*	
26 05 36 00-1745	EA	24" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	964.54	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.37*	
26 05 36 00-1746	EA	30" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,071.77	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*109.74*	
26 05 36 00-1747	EA	36" Vertical Tee, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,218.44	376.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*120.08*	
26 05 36 00-1748		**36" Radius Vertical Tees** *(26 05 36 00-1649)*		
26 05 36 00-1749	EA	6" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,040.08	232.97
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*117.18*	
26 05 36 00-1750	EA	12" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,129.45	268.59
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*124.66*	
26 05 36 00-1751	EA	18" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,201.52	287.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*132.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1752	EA	24" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,252.26	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*136.82*	
26 05 36 00-1753	EA	30" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,384.66	349.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*149.45*	
26 05 36 00-1754	EA	36" Vertical Tee, Solid Bottom, 36" Radius, Aluminum Cable Tray	829.86	444.92
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*50.32*	
26 05 36 00-1755		**12" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1756	EA	6" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	623.49	222.46
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*56.44*	
26 05 36 00-1757	EA	12" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	692.96	244.91
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*63.13*	
26 05 36 00-1758	EA	18" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	804.43	287.78
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*72.71*	
26 05 36 00-1759	EA	24" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	951.47	349.51
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*84.47*	
26 05 36 00-1760	EA	30" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,043.96	376.04
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*93.91*	
26 05 36 00-1761	EA	36" Horizontal Cross, Solid Bottom, 12" Radius, Aluminum Cable Tray	1,205.04	446.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*106.38*	
26 05 36 00-1762		**24" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1763	EA	6" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	850.05	245.32
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*86.62*	
26 05 36 00-1764	EA	12" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	964.54	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*99.37*	
26 05 36 00-1765	EA	18" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,099.48	326.35
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*110.53*	
26 05 36 00-1766	EA	24" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,353.97	409.30
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*134.88*	
26 05 36 00-1767	EA	30" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,485.81	446.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*148.49*	
26 05 36 00-1768	EA	36" Horizontal Cross, Solid Bottom, 24" Radius, Aluminum Cable Tray	1,679.99	544.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*161.21*	
26 05 36 00-1769		**36" Radius Horizontal Crosses** *(26 05 36 00-1649)*		
26 05 36 00-1770	EA	6" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,205.20	271.85
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*135.47*	
26 05 36 00-1771	EA	12" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,322.45	306.14
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*147.34*	
26 05 36 00-1772	EA	18" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,530.83	377.06
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*166.79*	
26 05 36 00-1773	EA	24" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,800.37	490.64
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*188.29*	
26 05 36 00-1774	EA	30" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	1,970.79	544.72
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*204.83*	
26 05 36 00-1775	EA	36" Horizontal Cross, Solid Bottom, 36" Radius, Aluminum Cable Tray	2,263.86	612.28
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*237.53*	
26 05 36 00-1776		**Straight Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1777	EA	12" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	241.05	70.00
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*24.49*	
26 05 36 00-1778	EA	18" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	264.20	81.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*26.05*	
26 05 36 00-1779	EA	24" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	290.14	92.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*28.14*	
26 05 36 00-1780	EA	30" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	325.82	106.44
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*31.13*	
26 05 36 00-1781	EA	36" To 30" Reducer, Solid Bottom, Aluminum Cable Tray	360.20	122.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.65*	
26 05 36 00-1782		**Reducers** *(26 05 36 00-1649)*		
26 05 36 00-1783	EA	18" To 6" Reducer, Solid Bottom, Aluminum Cable Tray	262.27	81.53
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*25.75*	
26 05 36 00-1784	EA	24" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	288.42	92.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*27.86*	
26 05 36 00-1785	EA	30" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	321.69	106.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.52*	
26 05 36 00-1786	EA	30" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	323.57	106.33
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*30.82*	
26 05 36 00-1787	EA	36" To 12" Reducer, Solid Bottom, Aluminum Cable Tray	360.20	122.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.65*	
26 05 36 00-1788	EA	36" To 18" Reducer, Solid Bottom, Aluminum Cable Tray	362.20	122.25
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*33.95*	
26 05 36 00-1789	EA	36" To 24" Reducer, Solid Bottom, Aluminum Cable Tray	366.54	122.45
		For 4-5/8" Overall Height Instead Of 3-5/8", Add	*34.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1790		**Dropout Or End Plate** *(26 05 36 00-1649)*		
26 05 36 00-1791	EA	6" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	76.39	30.61
26 05 36 00-1792	EA	12" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	90.93	37.35
26 05 36 00-1793	EA	18" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	108.17	44.29
26 05 36 00-1794	EA	24" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	119.43	48.98
26 05 36 00-1795	EA	30" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	134.75	54.39
26 05 36 00-1796	EA	36" Dropout Or End Plate, Solid Bottom, Aluminum Cable Tray	153.19	61.23
26 05 36 00-1797		**Vented Bottom Cable Tray** *(26 05 36 00-0001)* Note: 6" Height.		
26 05 36 00-1798		**Vented Bottom Galvanized Steel Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1799	LF	6" Vented Bottom Steel Cable Tray, Straight Section	38.13	10.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-2.92*	
26 05 36 00-1800	LF	12" Vented Bottom Steel Cable Tray, Straight Section	45.05	12.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.49*	
26 05 36 00-1801	LF	18" Vented Bottom Steel Cable Tray, Straight Section	53.18	14.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.14*	
26 05 36 00-1802	LF	24" Vented Bottom Steel Cable Tray, Straight Section	61.04	16.12
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.76*	
26 05 36 00-1803	LF	30" Vented Bottom Steel Cable Tray, Straight Section	81.44	19.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.52*	
26 05 36 00-1804	LF	36" Vented Bottom Steel Cable Tray, Straight Section	95.63	24.49
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.52*	
26 05 36 00-1805		**Vented Bottom Galvanized Steel Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1806		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1807	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	339.51	128.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-23.21*	
26 05 36 00-1808	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	438.77	174.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.33*	
26 05 36 00-1809	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	540.80	222.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.54*	
26 05 36 00-1810	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	663.53	272.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.66*	
26 05 36 00-1811	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	748.78	306.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.32*	
26 05 36 00-1812	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	858.58	350.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.67*	
26 05 36 00-1813		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1814	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	410.53	135.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-29.73*	
26 05 36 00-1815	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	526.10	188.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.90*	
26 05 36 00-1816	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	664.34	244.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.03*	
26 05 36 00-1817	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	798.99	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.39*	
26 05 36 00-1818	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	860.11	316.24
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.66*	
26 05 36 00-1819	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	1,066.88	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.67*	
26 05 36 00-1820		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1821	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	514.34	143.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.46*	
26 05 36 00-1822	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	654.98	204.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.47*	
26 05 36 00-1823	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	831.20	272.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.42*	
26 05 36 00-1824	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	980.68	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.95*	
26 05 36 00-1825	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,127.43	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.73*	
26 05 36 00-1826	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,313.42	489.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.59*	
26 05 36 00-1827		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1828	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	312.28	129.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.47*	
26 05 36 00-1829	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	406.23	174.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.08*	
26 05 36 00-1830	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	502.87	222.15
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1831	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	616.62	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.01*	
26 05 36 00-1832	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	696.53	306.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-44.09*	
26 05 36 00-1833	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Steel Cable Tray	796.80	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.56*	
26 05 36 00-1834		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1835	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	370.27	136.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.69*	
26 05 36 00-1836	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	479.47	188.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.24*	
26 05 36 00-1837	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	608.65	245.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.42*	
26 05 36 00-1838	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	735.47	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.04*	
26 05 36 00-1839	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	843.54	350.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.16*	
26 05 36 00-1840	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Steel Cable Tray	981.84	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.17*	
26 05 36 00-1841		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1805)*		
26 05 36 00-1842	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	454.34	143.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.43*	
26 05 36 00-1843	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	584.92	203.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.51*	
26 05 36 00-1844	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	748.20	272.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.12*	
26 05 36 00-1845	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	894.40	350.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.25*	
26 05 36 00-1846	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,029.06	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.89*	
26 05 36 00-1847	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Steel Cable Tray	1,206.39	490.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.76*	
26 05 36 00-1848		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1849	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	375.06	128.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.79*	
26 05 36 00-1850	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	470.20	174.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.48*	
26 05 36 00-1851	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	552.44	222.46
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.70*	
26 05 36 00-1852	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	661.20	272.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.42*	
26 05 36 00-1853	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	723.17	306.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.75*	
26 05 36 00-1854	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Steel Cable Tray	806.02	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.48*	
26 05 36 00-1855		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1856	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	457.11	135.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.38*	
26 05 36 00-1857	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	558.70	188.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.16*	
26 05 36 00-1858	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	678.31	244.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.42*	
26 05 36 00-1859	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	789.68	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.46*	
26 05 36 00-1860	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	896.84	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.56*	
26 05 36 00-1861	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Steel Cable Tray	1,008.66	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.85*	
26 05 36 00-1862		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1805)*		
26 05 36 00-1863	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	551.60	143.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-43.18*	
26 05 36 00-1864	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	671.28	204.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.10*	
26 05 36 00-1865	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	821.88	272.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.49*	
26 05 36 00-1866	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	976.02	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.48*	
26 05 36 00-1867	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,083.18	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.30*	
26 05 36 00-1868	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Steel Cable Tray	1,262.19	489.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1869		**12" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1870	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	596.81	244.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.27*	
26 05 36 00-1871	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	718.81	305.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.42*	
26 05 36 00-1872	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	821.32	350.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-52.94*	
26 05 36 00-1873	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	955.10	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.49*	
26 05 36 00-1874	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,056.00	444.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.52*	
26 05 36 00-1875	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,159.72	489.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.22*	
26 05 36 00-1876		**24" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1877	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	765.19	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.86*	
26 05 36 00-1878	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	922.46	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.12*	
26 05 36 00-1879	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,059.90	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.97*	
26 05 36 00-1880	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,308.76	489.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.12*	
26 05 36 00-1881	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,443.49	544.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.96*	
26 05 36 00-1882	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,611.96	612.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-110.17*	
26 05 36 00-1883		**36" Radius Horizontal Tees** *(26 05 36 00-1805)*		
26 05 36 00-1884	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	957.35	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.22*	
26 05 36 00-1885	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,190.31	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.02*	
26 05 36 00-1886	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,374.25	490.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-96.54*	
26 05 36 00-1887	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,691.14	612.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-118.09*	
26 05 36 00-1888	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,880.52	702.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-129.54*	
26 05 36 00-1889	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,195.35	814.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-151.69*	
26 05 36 00-1890		**12" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1891	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	722.56	244.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.85*	
26 05 36 00-1892	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	829.27	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.42*	
26 05 36 00-1893	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	869.98	326.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.80*	
26 05 36 00-1894	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	927.11	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.59*	
26 05 36 00-1895	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	993.97	377.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.98*	
26 05 36 00-1896	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Steel Cable Tray	1,114.22	444.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.34*	
26 05 36 00-1897		**24" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1898	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	874.64	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.81*	
26 05 36 00-1899	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,024.92	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.37*	
26 05 36 00-1900	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,091.78	377.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.76*	
26 05 36 00-1901	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,178.66	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-83.85*	
26 05 36 00-1902	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,265.59	444.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-89.48*	
26 05 36 00-1903	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Steel Cable Tray	1,476.09	544.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-102.22*	
26 05 36 00-1904		**36" Radius Vertical Tees** *(26 05 36 00-1805)*		
26 05 36 00-1905	EA	6" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,179.90	305.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.53*	
26 05 36 00-1906	EA	12" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,367.29	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-102.71*	
26 05 36 00-1907	EA	18" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,451.89	444.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1908	EA	24" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,574.52	490.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.57*	
26 05 36 00-1909	EA	30" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	1,781.16	544.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-132.72*	
26 05 36 00-1910	EA	36" Vertical Tee, Vented Bottom, 36" Radius, Steel Cable Tray	2,049.83	698.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-146.74*	
26 05 36 00-1911		**12" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1912	EA	6" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	752.42	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.73*	
26 05 36 00-1913	EA	12" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	828.31	350.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.64*	
26 05 36 00-1914	EA	18" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	952.77	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.26*	
26 05 36 00-1915	EA	24" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,101.51	489.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-69.40*	
26 05 36 00-1916	EA	30" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,226.04	542.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.37*	
26 05 36 00-1917	EA	36" Horizontal Cross, Vented Bottom, 12" Radius, Steel Cable Tray	1,381.42	612.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.12*	
26 05 36 00-1918		**24" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1919	EA	6" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	963.38	350.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.15*	
26 05 36 00-1920	EA	12" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,078.53	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-73.84*	
26 05 36 00-1921	EA	18" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,252.87	489.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.53*	
26 05 36 00-1922	EA	24" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,577.03	612.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.68*	
26 05 36 00-1923	EA	30" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	1,779.70	698.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-119.72*	
26 05 36 00-1924	EA	36" Horizontal Cross, Vented Bottom, 24" Radius, Steel Cable Tray	2,009.05	814.23
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-133.06*	
26 05 36 00-1925		**36" Radius Horizontal Crosses** *(26 05 36 00-1805)*		
26 05 36 00-1926	EA	6" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,320.71	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-98.06*	
26 05 36 00-1927	EA	12" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,490.69	490.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-108.19*	
26 05 36 00-1928	EA	18" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	1,707.44	612.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-119.72*	
26 05 36 00-1929	EA	24" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,190.95	818.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-150.88*	
26 05 36 00-1930	EA	30" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	2,543.57	981.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-172.59*	
26 05 36 00-1931	EA	36" Horizontal Cross, Vented Bottom, 36" Radius, Steel Cable Tray	3,019.00	1,224.56
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-199.85*	
26 05 36 00-1932		**Straight Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1933	EA	12" To 6" Reducer, Vented Bottom, Steel Cable Tray	291.39	104.29
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-20.45*	
26 05 36 00-1934	EA	18" To 12" Reducer, Vented Bottom, Steel Cable Tray	316.41	116.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.93*	
26 05 36 00-1935	EA	24" To 18" Reducer, Vented Bottom, Steel Cable Tray	356.77	135.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.36*	
26 05 36 00-1936	EA	30" To 24" Reducer, Vented Bottom, Steel Cable Tray	390.19	153.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.26*	
26 05 36 00-1937	EA	36" To 30" Reducer, Vented Bottom, Steel Cable Tray	425.35	168.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.49*	
26 05 36 00-1938		**Reducers** *(26 05 36 00-1805)*		
26 05 36 00-1939	EA	18" To 6" Reducer, Vented Bottom, Steel Cable Tray	316.41	116.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-21.93*	
26 05 36 00-1940	EA	24" To 12" Reducer, Vented Bottom, Steel Cable Tray	354.85	136.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.15*	
26 05 36 00-1941	EA	30" To 12" Reducer, Vented Bottom, Steel Cable Tray	387.60	152.86
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.02*	
26 05 36 00-1942	EA	30" To 18" Reducer, Vented Bottom, Steel Cable Tray	389.68	152.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-26.24*	
26 05 36 00-1943	EA	36" To 12" Reducer, Vented Bottom, Steel Cable Tray	423.02	168.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.25*	
26 05 36 00-1944	EA	36" To 18" Reducer, Vented Bottom, Steel Cable Tray	425.35	168.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.49*	
26 05 36 00-1945	EA	36" To 24" Reducer, Vented Bottom, Steel Cable Tray	428.30	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1946		**Dropout Or End Plate** *(26 05 36 00-1805)*		
26 05 36 00-1947	EA	6" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	90.81	37.66
26 05 36 00-1948	EA	12" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	107.93	44.19
26 05 36 00-1949	EA	18" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	118.91	48.78
26 05 36 00-1950	EA	24" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	133.93	54.39
26 05 36 00-1951	EA	30" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	148.27	61.13
26 05 36 00-1952	EA	36" Dropout Or End Plate, Vented Bottom, Steel Cable Tray	173.06	73.06
26 05 36 00-1953		**Vented Bottom Aluminum Cable Tray** *(26 05 36 00-1797)*		
26 05 36 00-1954	LF	6" Vented Bottom Aluminum Cable Tray, Straight Section	37.09	7.96
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.04*	
26 05 36 00-1955	LF	9" Vented Bottom Aluminum Cable Tray, Straight Section	41.22	8.77
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.39*	
26 05 36 00-1956	LF	12" Vented Bottom Aluminum Cable Tray, Straight Section	46.12	9.80
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-3.80*	
26 05 36 00-1957	LF	18" Vented Bottom Aluminum Cable Tray, Straight Section	53.96	10.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-4.48*	
26 05 36 00-1958	LF	24" Vented Bottom Aluminum Cable Tray, Straight Section	62.20	12.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-5.21*	
26 05 36 00-1959	LF	30" Vented Bottom Aluminum Cable Tray, Straight Section	79.78	13.98
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-6.81*	
26 05 36 00-1960	LF	36" Vented Bottom Aluminum Cable Tray, Straight Section	88.31	16.43
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-7.47*	
26 05 36 00-1961		**Vented Bottom Aluminum Cable Tray Fittings** *(26 05 36 00-1797)*		
26 05 36 00-1962		**90 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1963	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	407.97	128.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.05*	
26 05 36 00-1964	EA	9" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	443.25	140.01
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-32.65*	
26 05 36 00-1965	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	486.57	157.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.52*	
26 05 36 00-1966	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	551.42	174.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.58*	
26 05 36 00-1967	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	657.48	213.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-47.98*	
26 05 36 00-1968	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	780.96	245.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.65*	
26 05 36 00-1969	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	859.63	272.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.27*	
26 05 36 00-1970		**90 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1971	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	506.35	135.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.31*	
26 05 36 00-1972	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	608.94	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.81*	
26 05 36 00-1973	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	691.89	188.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.48*	
26 05 36 00-1974	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	819.17	232.97
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.50*	
26 05 36 00-1975	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	944.76	271.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.86*	
26 05 36 00-1976	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,041.82	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-78.67*	
26 05 36 00-1977		**90 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1978	EA	6" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	634.05	143.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.43*	
26 05 36 00-1979	EA	12" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	753.08	181.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.18*	
26 05 36 00-1980	EA	18" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	852.61	204.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-68.23*	
26 05 36 00-1981	EA	24" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	989.06	257.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-77.43*	
26 05 36 00-1982	EA	30" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,073.67	249.71
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.56*	
26 05 36 00-1983	EA	36" Horizontal 90 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,295.91	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-100.47*	
26 05 36 00-1984		**45 Degree, 12" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1985	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	365.68	129.09
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.81*	
26 05 36 00-1986	EA	9" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	397.29	140.21
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.05*	
26 05 36 00-1987	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	437.33	157.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-30.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-1988	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	493.85	174.50
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.84*	
26 05 36 00-1989	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	590.51	212.87
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-41.31*	
26 05 36 00-1990	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	699.09	245.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.47*	
26 05 36 00-1991	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 12" Radius, Aluminum Cable Tray	769.58	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-54.30*	
26 05 36 00-1992		**45 Degree, 24" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-1993	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	445.00	136.03
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.16*	
26 05 36 00-1994	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	536.92	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-39.61*	
26 05 36 00-1995	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	609.18	188.79
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-45.19*	
26 05 36 00-1996	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	724.98	233.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.05*	
26 05 36 00-1997	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	838.03	272.37
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-61.11*	
26 05 36 00-1998	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 24" Radius, Aluminum Cable Tray	924.87	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.98*	
26 05 36 00-1999		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-1961)*		
26 05 36 00-2000	EA	6" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	547.71	143.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.77*	
26 05 36 00-2001	EA	12" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	653.27	181.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.23*	
26 05 36 00-2002	EA	18" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	739.97	204.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-56.97*	
26 05 36 00-2003	EA	24" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	866.68	258.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.16*	
26 05 36 00-2004	EA	30" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	993.29	288.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-75.31*	
26 05 36 00-2005	EA	36" Horizontal 45 Degree Elbow, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,140.28	350.22
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-84.84*	
26 05 36 00-2006		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2007	EA	6" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	449.40	128.58
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-34.22*	
26 05 36 00-2008	EA	9" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	481.78	139.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-36.54*	
26 05 36 00-2009	EA	12" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	514.55	157.66
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-38.32*	
26 05 36 00-2010	EA	18" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	551.42	174.70
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-40.58*	
26 05 36 00-2011	EA	24" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	643.49	213.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-46.58*	
26 05 36 00-2012	EA	30" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	711.01	245.32
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-50.66*	
26 05 36 00-2013	EA	36" Vertical Riser 90 Degree, Vented Bottom, 12" Radius, Aluminum Cable Tray	758.11	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.15*	
26 05 36 00-2014		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2015	EA	6" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	542.72	135.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-42.94*	
26 05 36 00-2016	EA	12" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	625.73	168.99
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-48.49*	
26 05 36 00-2017	EA	18" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	689.09	188.47
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-53.20*	
26 05 36 00-2018	EA	24" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	769.41	233.38
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.50*	
26 05 36 00-2019	EA	30" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	853.23	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.67*	
26 05 36 00-2020	EA	36" Vertical Riser 90 Degree, Vented Bottom, 24" Radius, Aluminum Cable Tray	929.91	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.48*	
26 05 36 00-2021		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-1961)*		
26 05 36 00-2022	EA	6" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	631.25	143.68
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.15*	
26 05 36 00-2023	EA	12" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	722.30	181.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-57.10*	
26 05 36 00-2024	EA	18" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	810.64	204.40
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-64.03*	
26 05 36 00-2025	EA	24" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	938.70	257.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.40*	
26 05 36 00-2026	EA	30" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,040.01	288.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2027	EA	36" Vertical Riser 90 Degree, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,158.82	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-86.76*	
26 05 36 00-2028		**12" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2029	EA	6" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	701.96	244.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-49.79*	
26 05 36 00-2030	EA	9" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	731.66	257.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-51.69*	
26 05 36 00-2031	EA	12" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	779.69	271.44
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-55.35*	
26 05 36 00-2032	EA	18" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	891.76	306.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.61*	
26 05 36 00-2033	EA	24" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,018.93	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-72.77*	
26 05 36 00-2034	EA	30" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,147.55	408.18
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.74*	
26 05 36 00-2035	EA	36" Horizontal Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,273.21	444.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-90.24*	
26 05 36 00-2036		**24" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2037	EA	6" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	900.80	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.42*	
26 05 36 00-2038	EA	12" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,018.43	305.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-76.38*	
26 05 36 00-2039	EA	18" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,142.03	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-85.08*	
26 05 36 00-2040	EA	24" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,377.96	407.06
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-103.87*	
26 05 36 00-2041	EA	30" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,573.10	490.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-116.43*	
26 05 36 00-2042	EA	36" Horizontal Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,789.21	544.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-133.53*	
26 05 36 00-2043		**36" Radius Horizontal Tees** *(26 05 36 00-1961)*		
26 05 36 00-2044	EA	6" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,229.28	306.14
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-97.42*	
26 05 36 00-2045	EA	12" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,407.83	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.66*	
26 05 36 00-2046	EA	18" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,505.47	340.94
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-122.14*	
26 05 36 00-2047	EA	24" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,906.24	489.00
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-149.87*	
26 05 36 00-2048	EA	30" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,185.67	614.72
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-167.34*	
26 05 36 00-2049	EA	36" Horizontal Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,507.88	698.92
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-192.54*	
26 05 36 00-2050		**12" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2051	EA	6" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	811.07	244.91
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-60.70*	
26 05 36 00-2052	EA	9" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	835.18	257.67
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-62.04*	
26 05 36 00-2053	EA	12" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	889.61	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-66.30*	
26 05 36 00-2054	EA	18" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	919.70	288.28
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-67.95*	
26 05 36 00-2055	EA	24" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	959.68	305.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-70.51*	
26 05 36 00-2056	EA	30" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,014.00	326.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-74.20*	
26 05 36 00-2057	EA	36" Vertical Tee, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,116.45	376.04
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.30*	
26 05 36 00-2058		**24" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2059	EA	6" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,023.90	271.85
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-79.73*	
26 05 36 00-2060	EA	12" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,124.75	305.52
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-87.01*	
26 05 36 00-2061	EA	18" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,201.46	326.35
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-92.95*	
26 05 36 00-2062	EA	24" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,281.92	349.51
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-99.07*	
26 05 36 00-2063	EA	30" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,382.24	376.04
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-106.88*	
26 05 36 00-2064	EA	36" Vertical Tee, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,513.19	446.25
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.13*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2065			**36" Radius Vertical Tees** *(26 05 36 00-1961)*		
26 05 36 00-2066	EA		6" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,390.55	305.52
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-113.59*	
26 05 36 00-2067	EA		12" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,519.74	349.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-122.85*	
26 05 36 00-2068	EA		18" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,592.08	376.04
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-127.87*	
26 05 36 00-2069	EA		24" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,717.34	409.30
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-137.63*	
26 05 36 00-2070	EA		30" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,862.92	446.25
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-149.10*	
26 05 36 00-2071	EA		36" Vertical Tee, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,079.77	542.79
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-162.74*	
26 05 36 00-2072			**12" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2073	EA		6" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	819.66	271.85
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-59.31*	
26 05 36 00-2074	EA		9" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	872.14	288.28
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-63.19*	
26 05 36 00-2075	EA		12" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	914.14	306.76
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-65.85*	
26 05 36 00-2076	EA		18" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,004.94	349.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-71.37*	
26 05 36 00-2077	EA		24" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,148.54	407.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-80.93*	
26 05 36 00-2078	EA		30" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,310.23	443.69
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-94.05*	
26 05 36 00-2079	EA		36" Horizontal Cross, Vented Bottom, 12" Radius, Aluminum Cable Tray	1,596.15	544.72
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-114.22*	
26 05 36 00-2080			**24" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2081	EA		6" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,168.75	306.76
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-91.31*	
26 05 36 00-2082	EA		12" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,301.51	349.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-101.03*	
26 05 36 00-2083	EA		18" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,453.51	407.06
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-111.43*	
26 05 36 00-2084	EA		24" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,710.39	489.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-130.29*	
26 05 36 00-2085	EA		30" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	1,869.93	542.79
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-141.76*	
26 05 36 00-2086	EA		36" Horizontal Cross, Vented Bottom, 24" Radius, Aluminum Cable Tray	2,256.08	698.92
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-167.36*	
26 05 36 00-2087			**36" Radius Horizontal Crosses** *(26 05 36 00-1961)*		
26 05 36 00-2088	EA		6" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,659.64	349.51
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-136.84*	
26 05 36 00-2089	EA		12" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	1,829.25	409.30
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-148.82*	
26 05 36 00-2090	EA		18" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,060.12	489.00
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-165.26*	
26 05 36 00-2091	EA		24" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,465.46	614.72
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-195.32*	
26 05 36 00-2092	EA		30" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	2,737.05	702.18
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-215.19*	
26 05 36 00-2093	EA		36" Horizontal Cross, Vented Bottom, 36" Radius, Aluminum Cable Tray	3,175.61	814.23
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-249.71*	
26 05 36 00-2094			**Straight Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2095	EA		9" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	315.20	81.63
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-24.71*	
26 05 36 00-2096	EA		12" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	330.79	86.03
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.91*	
26 05 36 00-2097	EA		18" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	371.42	101.95
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.64*	
26 05 36 00-2098	EA		24" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	409.45	116.44
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.24*	
26 05 36 00-2099	EA		30" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	447.80	136.03
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.44*	
26 05 36 00-2100	EA		36" To 30" Reducer, Vented Bottom, Aluminum Cable Tray	484.03	152.76
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.67*	
26 05 36 00-2101			**Reducers** *(26 05 36 00-1961)*		
26 05 36 00-2102	EA		12" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	330.55	85.83
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-25.90*	
26 05 36 00-2103	EA		18" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	371.30	101.95
			For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2104	EA	18" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	371.30	101.95
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-28.64*	
26 05 36 00-2105	EA	24" To 6" Reducer, Vented Bottom, Aluminum Cable Tray	409.59	116.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.25*	
26 05 36 00-2106	EA	24" To 9" Reducer, Vented Bottom, Aluminum Cable Tray	409.59	116.54
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.25*	
26 05 36 00-2107	EA	24" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	409.89	116.64
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-31.27*	
26 05 36 00-2108	EA	30" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	453.19	135.93
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.99*	
26 05 36 00-2109	EA	30" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	447.39	135.83
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-33.42*	
26 05 36 00-2110	EA	36" To 12" Reducer, Vented Bottom, Aluminum Cable Tray	484.03	152.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.67*	
26 05 36 00-2111	EA	36" To 18" Reducer, Vented Bottom, Aluminum Cable Tray	484.03	152.76
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.67*	
26 05 36 00-2112	EA	36" To 24" Reducer, Vented Bottom, Aluminum Cable Tray	484.54	153.07
		For 4-5/8" Overall Height Instead Of 6", Deduct	*-35.70*	

26 05 36 00-2113 Dropout Or End Plate *(26 05 36 00-1961)*

26 05 36 00-2114	EA	6" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	99.40	37.66
26 05 36 00-2115	EA	9" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	108.48	41.13
26 05 36 00-2116	EA	12" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	116.95	44.19
26 05 36 00-2117	EA	18" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	133.48	48.78
26 05 36 00-2118	EA	24" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	153.68	54.39
26 05 36 00-2119	EA	30" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	169.08	61.13
26 05 36 00-2120	EA	36" Dropout Or End Plate, Vented Bottom, Aluminum Cable Tray	193.59	70.00

26 05 36 00-2121 Cable Tray Covers And Dividers *(26 05 36 00-0001)*

26 05 36 00-2122 Galvanized Steel Covers *(26 05 36 00-2121)*

26 05 36 00-2123 Ventilated Straight Sections *(26 05 36 00-2122)*

26 05 36 00-2124	LF	6" Steel Cable Tray Cover, Straight Section	10.45	1.83
26 05 36 00-2125	LF	9" Steel Cable Tray Cover, Straight Section	12.65	2.15
26 05 36 00-2126	LF	12" Steel Cable Tray Cover, Straight Section	14.90	2.45
26 05 36 00-2127	LF	18" Steel Cable Tray Cover, Straight Section	20.22	3.27
26 05 36 00-2128	LF	24" Steel Cable Tray Cover, Straight Section	25.52	4.39
26 05 36 00-2129	LF	30" Steel Cable Tray Cover, Straight Section	30.94	5.40
26 05 36 00-2130	LF	36" Steel Cable Tray Cover, Straight Section	127.28	61.33

26 05 36 00-2131 90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2132	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	65.66	6.53
26 05 36 00-2133	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	73.30	7.65
26 05 36 00-2134	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	79.11	9.08
26 05 36 00-2135	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	107.87	11.63
26 05 36 00-2136	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	131.84	14.80
26 05 36 00-2137	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	160.04	16.43
26 05 36 00-2138	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Steel Cable Tray Cover	193.38	19.59

26 05 36 00-2139 90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2140	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	102.85	7.25
26 05 36 00-2141	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	107.24	8.47
26 05 36 00-2142	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	120.68	10.21
26 05 36 00-2143	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	149.62	12.96
26 05 36 00-2144	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	183.28	16.32
26 05 36 00-2145	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	236.30	18.78
26 05 36 00-2146	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Steel Cable Tray Cover	274.68	22.25

26 05 36 00-2147 90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2148	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	146.28	8.16
26 05 36 00-2149	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	162.42	9.38
26 05 36 00-2150	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	175.45	11.63
26 05 36 00-2151	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	222.95	13.58
26 05 36 00-2152	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	268.92	18.88
26 05 36 00-2153	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	317.29	21.33
26 05 36 00-2154	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Steel Cable Tray Cover	371.44	24.49

26 05 36 00-2155 45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2156	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	49.83	6.53
		For 60 Degree Bend, Deduct	*-13.93*	
		For 30 Degree Bend, Deduct	*-23.58*	
26 05 36 00-2157	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	59.32	7.65
		For 60 Degree Bend, Deduct	*-16.64*	
		For 30 Degree Bend, Deduct	*-28.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2158	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	66.30	9.08
		For 60 Degree Bend, Deduct	*-18.41*	
		For 30 Degree Bend, Deduct	*-31.19*	
26 05 36 00-2159	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	80.24	11.12
		For 60 Degree Bend, Deduct	*-22.22*	
		For 30 Degree Bend, Deduct	*-37.65*	
26 05 36 00-2160	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	93.71	12.85
		For 60 Degree Bend, Deduct	*-25.97*	
		For 30 Degree Bend, Deduct	*-44.01*	
26 05 36 00-2161	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	109.74	14.80
		For 60 Degree Bend, Deduct	*-30.52*	
		For 30 Degree Bend, Deduct	*-51.70*	
26 05 36 00-2162	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Steel Cable Tray Cover	122.70	16.32
		For 60 Degree Bend, Deduct	*-34.23*	
		For 30 Degree Bend, Deduct	*-57.96*	

26 05 36 00-2163 45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2164	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	69.09	7.25
		For 60 Degree Bend, Deduct	*-20.03*	
		For 30 Degree Bend, Deduct	*-33.79*	
26 05 36 00-2165	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	78.13	8.47
		For 60 Degree Bend, Deduct	*-22.54*	
		For 30 Degree Bend, Deduct	*-38.04*	
26 05 36 00-2166	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	89.24	10.21
		For 60 Degree Bend, Deduct	*-25.53*	
		For 30 Degree Bend, Deduct	*-43.11*	
26 05 36 00-2167	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	103.11	12.24
		For 60 Degree Bend, Deduct	*-29.33*	
		For 30 Degree Bend, Deduct	*-49.56*	
26 05 36 00-2168	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	118.85	13.98
		For 60 Degree Bend, Deduct	*-33.85*	
		For 30 Degree Bend, Deduct	*-57.19*	
26 05 36 00-2169	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	148.37	16.32
		For 60 Degree Bend, Deduct	*-42.69*	
		For 30 Degree Bend, Deduct	*-72.06*	
26 05 36 00-2170	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Steel Cable Tray Cover	164.17	18.88
		For 60 Degree Bend, Deduct	*-46.95*	
		For 30 Degree Bend, Deduct	*-79.29*	

26 05 36 00-2171 45 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2122)*

26 05 36 00-2172	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	96.24	8.16
		For 60 Degree Bend, Deduct	*-28.64*	
		For 30 Degree Bend, Deduct	*-48.18*	
26 05 36 00-2173	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	108.86	9.38
		For 60 Degree Bend, Deduct	*-32.31*	
		For 30 Degree Bend, Deduct	*-54.37*	
26 05 36 00-2174	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	121.82	11.63
		For 60 Degree Bend, Deduct	*-35.75*	
		For 30 Degree Bend, Deduct	*-60.23*	
26 05 36 00-2175	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	139.16	12.96
		For 60 Degree Bend, Deduct	*-40.96*	
		For 30 Degree Bend, Deduct	*-68.99*	
26 05 36 00-2176	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	169.58	15.82
		For 60 Degree Bend, Deduct	*-49.90*	
		For 30 Degree Bend, Deduct	*-84.04*	
26 05 36 00-2177	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	187.46	18.88
		For 60 Degree Bend, Deduct	*-54.63*	
		For 30 Degree Bend, Deduct	*-92.10*	
26 05 36 00-2178	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Steel Cable Tray Cover	222.67	20.41
		For 60 Degree Bend, Deduct	*-65.65*	
		For 30 Degree Bend, Deduct	*-110.55*	

26 05 36 00-2179 90 Degree, 12" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2180	EA	6" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	56.54	6.53
26 05 36 00-2181	EA	9" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	59.32	7.65
26 05 36 00-2182	EA	12" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	65.14	9.08
26 05 36 00-2183	EA	18" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	75.61	11.12
26 05 36 00-2184	EA	24" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	82.22	14.39
26 05 36 00-2185	EA	30" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	91.34	16.43
26 05 36 00-2186	EA	36" Vertical Riser 90 Degree, 12" Radius, Steel Cable Tray Cover	115.29	19.59

26 05 36 00-2187 90 Degree, 24" Radius Vertical Risers *(26 05 36 00-2122)*

26 05 36 00-2188	EA	6" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	67.92	7.25
26 05 36 00-2189	EA	9" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	75.80	8.47
26 05 36 00-2190	EA	12" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	81.09	10.21
26 05 36 00-2191	EA	18" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	105.41	12.24
26 05 36 00-2192	EA	24" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	121.81	15.82
26 05 36 00-2193	EA	30" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	139.68	18.88
26 05 36 00-2194	EA	36" Vertical Riser 90 Degree, 24" Radius, Steel Cable Tray Cover	160.57	22.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2195		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2122)*		
26 05 36 00-2196	EA	6" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	78.74	8.16
26 05 36 00-2197	EA	9" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	98.38	9.38
26 05 36 00-2198	EA	12" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	112.57	11.63
26 05 36 00-2199	EA	18" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	139.16	12.96
26 05 36 00-2200	EA	24" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	160.58	18.06
26 05 36 00-2201	EA	30" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	191.54	21.33
26 05 36 00-2202	EA	36" Vertical Riser 90 Degree, 36" Radius, Steel Cable Tray Cover	224.73	24.49
26 05 36 00-2203		**12" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2204	EA	6" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	100.43	10.61
26 05 36 00-2205	EA	9" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	105.41	12.24
26 05 36 00-2206	EA	12" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	119.41	14.39
26 05 36 00-2207	EA	18" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	143.72	16.32
26 05 36 00-2208	EA	24" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	178.14	18.88
26 05 36 00-2209	EA	30" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	217.60	27.14
26 05 36 00-2210	EA	36" Horizontal Tee, 12" Radius, Steel Cable Tray Cover	261.56	32.56
26 05 36 00-2211		**24" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2212	EA	6" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	148.97	11.12
26 05 36 00-2213	EA	9" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	170.59	12.96
26 05 36 00-2214	EA	12" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	179.19	15.31
26 05 36 00-2215	EA	18" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	227.13	17.56
26 05 36 00-2216	EA	24" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	336.67	20.41
26 05 36 00-2217	EA	30" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	395.71	30.61
26 05 36 00-2218	EA	36" Horizontal Tee, 24" Radius, Steel Cable Tray Cover	442.34	37.66
26 05 36 00-2219		**36" Radius Horizontal Tees** *(26 05 36 00-2122)*		
26 05 36 00-2220	EA	6" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	254.59	11.63
26 05 36 00-2221	EA	9" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	262.52	13.58
26 05 36 00-2222	EA	12" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	292.72	16.32
26 05 36 00-2223	EA	18" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	343.53	18.88
26 05 36 00-2224	EA	24" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	447.01	22.25
26 05 36 00-2225	EA	30" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	503.25	35.10
26 05 36 00-2226	EA	36" Horizontal Tee, 36" Radius, Steel Cable Tray Cover	579.33	44.39
26 05 36 00-2227		**12" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2228	EA	6" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	147.40	14.39
26 05 36 00-2229	EA	9" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	155.92	15.31
26 05 36 00-2230	EA	12" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	172.83	16.32
26 05 36 00-2231	EA	18" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	203.76	18.88
26 05 36 00-2232	EA	24" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	254.82	27.14
26 05 36 00-2233	EA	30" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	294.10	32.56
26 05 36 00-2234	EA	36" Horizontal Cross, 12" Radius, Steel Cable Tray Cover	337.72	35.00
26 05 36 00-2235		**24" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2236	EA	6" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	260.75	15.31
26 05 36 00-2237	EA	9" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	283.41	16.32
26 05 36 00-2238	EA	12" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	303.98	17.56
26 05 36 00-2239	EA	18" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	362.28	20.41
26 05 36 00-2240	EA	24" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	451.56	30.61
26 05 36 00-2241	EA	30" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	514.46	37.66
26 05 36 00-2242	EA	36" Horizontal Cross, 24" Radius, Steel Cable Tray Cover	575.56	40.72
26 05 36 00-2243		**36" Radius Horizontal Crosses** *(26 05 36 00-2122)*		
26 05 36 00-2244	EA	6" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	420.80	16.32
26 05 36 00-2245	EA	9" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	436.72	17.56
26 05 36 00-2246	EA	12" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	459.97	18.88
26 05 36 00-2247	EA	18" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	530.84	22.25
26 05 36 00-2248	EA	24" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	687.18	35.00
26 05 36 00-2249	EA	30" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	749.66	44.60
26 05 36 00-2250	EA	36" Horizontal Cross, 36" Radius, Steel Cable Tray Cover	803.54	48.98
26 05 36 00-2251		**Reducers** *(26 05 36 00-2122)*		
26 05 36 00-2252	EA	9" To 6" Reducer, Steel Cable Tray Covers	65.16	7.65
26 05 36 00-2253	EA	12" To 6" Reducer, Steel Cable Tray Covers	69.83	9.08
26 05 36 00-2254	EA	12" To 9" Reducer, Steel Cable Tray Covers	69.83	9.08
26 05 36 00-2255	EA	18" To 6" Reducer, Steel Cable Tray Covers	76.78	11.12
26 05 36 00-2256	EA	18" To 12" Reducer, Steel Cable Tray Covers	76.78	11.12
26 05 36 00-2257	EA	24" To 12" Reducer, Steel Cable Tray Covers	94.93	12.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2258	EA	24" To 18" Reducer, Steel Cable Tray Covers	101.92	12.24
26 05 36 00-2259	EA	30" To 12" Reducer, Steel Cable Tray Covers	97.86	13.98
26 05 36 00-2260	EA	30" To 18" Reducer, Steel Cable Tray Covers	104.85	13.98
26 05 36 00-2261	EA	30" To 24" Reducer, Steel Cable Tray Covers	109.50	13.98
26 05 36 00-2262	EA	36" To 12" Reducer, Steel Cable Tray Covers	113.95	15.31
26 05 36 00-2263	EA	36" To 18" Reducer, Steel Cable Tray Covers	116.28	15.31
26 05 36 00-2264	EA	36" To 24" Reducer, Steel Cable Tray Covers	118.61	15.31
26 05 36 00-2265	EA	36" To 30" Reducer, Steel Cable Tray Covers	119.77	15.31
26 05 36 00-2266		Aluminum Covers *(26 05 36 00-2121)*		
26 05 36 00-2267		Ventilated Straight Sections *(26 05 36 00-2266)*		
26 05 36 00-2268	LF	6" Aluminum Cable Tray Cover, Straight Section	11.47	1.83
26 05 36 00-2269	LF	9" Aluminum Cable Tray Cover, Straight Section	13.71	2.15
26 05 36 00-2270	LF	12" Aluminum Cable Tray Cover, Straight Section	16.13	2.45
26 05 36 00-2271	LF	18" Aluminum Cable Tray Cover, Straight Section	21.47	3.27
26 05 36 00-2272	LF	24" Aluminum Cable Tray Cover, Straight Section	27.51	4.39
26 05 36 00-2273	LF	30" Aluminum Cable Tray Cover, Straight Section	31.12	5.40
26 05 36 00-2274	LF	36" Aluminum Cable Tray Cover, Straight Section	125.69	61.33
26 05 36 00-2275		90 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2276	EA	6" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	65.56	6.53
26 05 36 00-2277	EA	9" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	69.75	7.65
26 05 36 00-2278	EA	12" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	76.82	9.08
26 05 36 00-2279	EA	18" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	100.13	11.63
26 05 36 00-2280	EA	24" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	126.85	14.80
26 05 36 00-2281	EA	30" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	149.62	16.43
26 05 36 00-2282	EA	36" Horizontal 90 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	182.33	19.59
26 05 36 00-2283		90 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2284	EA	6" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	86.84	7.25
26 05 36 00-2285	EA	9" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	106.72	8.47
26 05 36 00-2286	EA	12" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	119.18	10.21
26 05 36 00-2287	EA	18" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	142.67	12.96
26 05 36 00-2288	EA	24" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	176.88	16.32
26 05 36 00-2289	EA	30" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	214.25	18.78
26 05 36 00-2290	EA	36" Horizontal 90 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	262.78	22.25
26 05 36 00-2291		90 Degree, 36" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2292	EA	6" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	141.79	8.16
26 05 36 00-2293	EA	9" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	155.84	9.38
26 05 36 00-2294	EA	12" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	178.55	11.63
26 05 36 00-2295	EA	18" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	212.69	13.58
26 05 36 00-2296	EA	24" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	261.77	18.88
26 05 36 00-2297	EA	30" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	301.52	21.33
26 05 36 00-2298	EA	36" Horizontal 90 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	351.89	24.49
26 05 36 00-2299		45 Degree, 12" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2300	EA	6" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	51.32	6.53
		For 30 Degree Bend, Deduct	*-24.40*	
		For 60 Degree Bend, Deduct	*-14.42*	
26 05 36 00-2301	EA	9" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	54.31	7.65
		For 30 Degree Bend, Deduct	*-25.41*	
		For 60 Degree Bend, Deduct	*-14.99*	
26 05 36 00-2302	EA	12" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	61.62	9.08
		For 30 Degree Bend, Deduct	*-28.62*	
		For 60 Degree Bend, Deduct	*-16.87*	
26 05 36 00-2303	EA	18" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	71.97	11.12
		For 30 Degree Bend, Deduct	*-33.10*	
		For 60 Degree Bend, Deduct	*-19.49*	
26 05 36 00-2304	EA	24" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	80.90	12.85
		For 30 Degree Bend, Deduct	*-36.96*	
		For 60 Degree Bend, Deduct	*-21.75*	
26 05 36 00-2305	EA	30" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	99.55	14.80
		For 30 Degree Bend, Deduct	*-46.09*	
		For 60 Degree Bend, Deduct	*-27.16*	
26 05 36 00-2306	EA	36" Horizontal 45 Degree Elbow, 12" Radius, Aluminum Cable Tray Cover	117.47	16.32
		For 30 Degree Bend, Deduct	*-55.08*	
		For 60 Degree Bend, Deduct	*-32.50*	
26 05 36 00-2307		45 Degree, 24" Radius Horizontal Elbows *(26 05 36 00-2266)*		
26 05 36 00-2308	EA	6" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	58.95	7.25
		For 30 Degree Bend, Deduct	*-28.21*	
		For 60 Degree Bend, Deduct	*-16.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2309	EA	9" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	73.47	8.47
		For 30 Degree Bend, Deduct	*-35.48*	
		For 60 Degree Bend, Deduct	*-21.00*	
26 05 36 00-2310	EA	12" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	78.80	10.21
		For 30 Degree Bend, Deduct	*-37.37*	
		For 60 Degree Bend, Deduct	*-22.08*	
26 05 36 00-2311	EA	18" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	95.25	12.24
		For 30 Degree Bend, Deduct	*-45.23*	
		For 60 Degree Bend, Deduct	*-26.73*	
26 05 36 00-2312	EA	24" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	116.00	13.98
		For 30 Degree Bend, Deduct	*-55.62*	
		For 60 Degree Bend, Deduct	*-32.90*	
26 05 36 00-2313	EA	30" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	134.16	16.32
		For 30 Degree Bend, Deduct	*-64.24*	
		For 60 Degree Bend, Deduct	*-38.00*	
26 05 36 00-2314	EA	36" Horizontal 45 Degree Elbow, 24" Radius, Aluminum Cable Tray Cover	154.93	18.88
		For 30 Degree Bend, Deduct	*-74.21*	
		For 60 Degree Bend, Deduct	*-43.90*	
26 05 36 00-2315		**45 Degree, 36" Radius Horizontal Elbows** *(26 05 36 00-2266)*		
26 05 36 00-2316	EA	6" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	94.32	8.16
		For 30 Degree Bend, Deduct	*-47.13*	
		For 60 Degree Bend, Deduct	*-28.00*	
26 05 36 00-2317	EA	9" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	103.59	9.38
		For 30 Degree Bend, Deduct	*-51.48*	
		For 60 Degree Bend, Deduct	*-30.57*	
26 05 36 00-2318	EA	12" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	111.99	11.63
		For 30 Degree Bend, Deduct	*-54.82*	
		For 60 Degree Bend, Deduct	*-32.50*	
26 05 36 00-2319	EA	18" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	133.19	12.96
		For 30 Degree Bend, Deduct	*-65.71*	
		For 60 Degree Bend, Deduct	*-38.99*	
26 05 36 00-2320	EA	24" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	161.74	15.82
		For 30 Degree Bend, Deduct	*-79.73*	
		For 60 Degree Bend, Deduct	*-47.31*	
26 05 36 00-2321	EA	30" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	185.81	18.88
		For 30 Degree Bend, Deduct	*-91.20*	
		For 60 Degree Bend, Deduct	*-54.09*	
26 05 36 00-2322	EA	36" Horizontal 45 Degree Elbow, 36" Radius, Aluminum Cable Tray Cover	209.80	20.41
		For 30 Degree Bend, Deduct	*-103.48*	
		For 60 Degree Bend, Deduct	*-61.40*	
26 05 36 00-2323		**90 Degree, 12" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2324	EA	6" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	57.45	6.53
26 05 36 00-2325	EA	9" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	59.66	7.65
26 05 36 00-2326	EA	12" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	66.13	9.08
26 05 36 00-2327	EA	18" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	77.94	11.12
26 05 36 00-2328	EA	24" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	85.75	14.39
26 05 36 00-2329	EA	30" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	90.24	16.43
26 05 36 00-2330	EA	36" Vertical Riser 90 Degree, 12" Radius, Aluminum Cable Tray Cover	108.62	19.59
26 05 36 00-2331		**90 Degree, 24" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2332	EA	6" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	65.47	7.25
26 05 36 00-2333	EA	9" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	72.28	8.47
26 05 36 00-2334	EA	12" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	79.99	10.21
26 05 36 00-2335	EA	18" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	96.41	12.24
26 05 36 00-2336	EA	24" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	109.46	15.82
26 05 36 00-2337	EA	30" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	138.27	18.88
26 05 36 00-2338	EA	36" Vertical Riser 90 Degree, 24" Radius, Aluminum Cable Tray Cover	153.53	22.25
26 05 36 00-2339		**90 Degree, 36" Radius Vertical Risers** *(26 05 36 00-2266)*		
26 05 36 00-2340	EA	6" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	75.29	8.16
26 05 36 00-2341	EA	9" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	91.71	9.38
26 05 36 00-2342	EA	12" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	107.30	11.63
26 05 36 00-2343	EA	18" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	128.44	12.96
26 05 36 00-2344	EA	24" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	156.05	18.06
26 05 36 00-2345	EA	30" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	194.64	21.33
26 05 36 00-2346	EA	36" Vertical Riser 90 Degree, 36" Radius, Aluminum Cable Tray Cover	211.76	24.49
26 05 36 00-2347		**12" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2348	EA	6" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	93.76	10.61
26 05 36 00-2349	EA	9" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	101.16	12.24
26 05 36 00-2350	EA	12" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	114.18	14.39
26 05 36 00-2351	EA	18" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	134.16	16.32
26 05 36 00-2352	EA	24" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	166.81	18.88
26 05 36 00-2353	EA	30" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	204.40	27.14
26 05 36 00-2354	EA	36" Horizontal Tee, 12" Radius, Aluminum Cable Tray Cover	246.68	32.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2355		**24" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2356	EA	6" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	142.06	11.12
26 05 36 00-2357	EA	9" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	159.30	12.96
26 05 36 00-2358	EA	12" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	179.87	15.31
26 05 36 00-2359	EA	18" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	209.70	17.56
26 05 36 00-2360	EA	24" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	321.31	20.41
26 05 36 00-2361	EA	30" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	369.32	30.61
26 05 36 00-2362	EA	36" Horizontal Tee, 24" Radius, Aluminum Cable Tray Cover	416.64	37.66
26 05 36 00-2363		**36" Radius Horizontal Tees** *(26 05 36 00-2266)*		
26 05 36 00-2364	EA	6" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	245.02	11.63
26 05 36 00-2365	EA	9" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	253.04	13.58
26 05 36 00-2366	EA	12" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	281.37	16.32
26 05 36 00-2367	EA	18" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	318.86	18.88
26 05 36 00-2368	EA	24" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	402.91	22.25
26 05 36 00-2369	EA	30" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	469.35	35.10
26 05 36 00-2370	EA	36" Horizontal Tee, 36" Radius, Aluminum Cable Tray Cover	537.13	44.39
26 05 36 00-2371		**12" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2372	EA	6" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	140.36	14.39
26 05 36 00-2373	EA	9" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	149.01	15.31
26 05 36 00-2374	EA	12" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	165.03	16.32
26 05 36 00-2375	EA	18" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	197.68	18.88
26 05 36 00-2376	EA	24" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	237.61	27.14
26 05 36 00-2377	EA	30" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	282.25	32.56
26 05 36 00-2378	EA	36" Horizontal Cross, 12" Radius, Aluminum Cable Tray Cover	321.90	35.00
26 05 36 00-2379		**24" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2380	EA	6" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	253.56	15.31
26 05 36 00-2381	EA	9" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	271.88	16.32
26 05 36 00-2382	EA	12" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	292.82	17.56
26 05 36 00-2383	EA	18" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	340.31	20.41
26 05 36 00-2384	EA	24" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	416.78	30.61
26 05 36 00-2385	EA	30" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	490.19	37.66
26 05 36 00-2386	EA	36" Horizontal Cross, 24" Radius, Aluminum Cable Tray Cover	531.03	40.72
26 05 36 00-2387		**36" Radius Horizontal Crosses** *(26 05 36 00-2266)*		
26 05 36 00-2388	EA	6" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	393.00	16.32
26 05 36 00-2389	EA	9" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	411.58	17.56
26 05 36 00-2390	EA	12" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	442.37	18.88
26 05 36 00-2391	EA	18" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	488.41	22.25
26 05 36 00-2392	EA	24" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	616.56	35.00
26 05 36 00-2393	EA	30" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	715.59	44.60
26 05 36 00-2394	EA	36" Horizontal Cross, 36" Radius, Aluminum Cable Tray Cover	782.28	48.98
26 05 36 00-2395		**Reducers** *(26 05 36 00-2266)*		
26 05 36 00-2396	EA	9" To 6" Reducer, Aluminum Cable Tray Covers	70.95	7.65
26 05 36 00-2397	EA	12" To 6" Reducer, Aluminum Cable Tray Covers	75.66	9.08
26 05 36 00-2398	EA	12" To 9" Reducer, Aluminum Cable Tray Covers	75.66	9.08
26 05 36 00-2399	EA	18" To 6" Reducer, Aluminum Cable Tray Covers	85.05	11.12
26 05 36 00-2400	EA	18" To 12" Reducer, Aluminum Cable Tray Covers	85.05	11.12
26 05 36 00-2401	EA	24" To 12" Reducer, Aluminum Cable Tray Covers	94.04	12.24
26 05 36 00-2402	EA	24" To 18" Reducer, Aluminum Cable Tray Covers	103.50	12.24
26 05 36 00-2403	EA	30" To 12" Reducer, Aluminum Cable Tray Covers	108.84	13.98
26 05 36 00-2404	EA	30" To 18" Reducer, Aluminum Cable Tray Covers	112.39	13.98
26 05 36 00-2405	EA	30" To 24" Reducer, Aluminum Cable Tray Covers	114.81	13.98
26 05 36 00-2406	EA	36" To 12" Reducer, Aluminum Cable Tray Covers	120.46	15.31
26 05 36 00-2407	EA	36" To 18" Reducer, Aluminum Cable Tray Covers	122.84	15.31
26 05 36 00-2408	EA	36" To 24" Reducer, Aluminum Cable Tray Covers	124.03	15.31
26 05 36 00-2409	EA	36" To 30" Reducer, Aluminum Cable Tray Covers	125.21	15.31
26 05 36 00-2410		**Galvanized Steel Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2411		**Straight Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2412	LF	3" Deep Galvanized Steel Divider Strip, Straight	10.48	2.45
26 05 36 00-2413	LF	4" Deep Galvanized Steel Divider Strip, Straight	12.42	2.66
26 05 36 00-2414	LF	6" Deep Galvanized Steel Divider Strip, Straight	15.46	3.06
26 05 36 00-2415		**3" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2416	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Steel Cable Tray	60.63	17.56
26 05 36 00-2417	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Steel Cable Tray	69.68	18.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2418	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Steel Cable Tray	73.35	18.88
26 05 36 00-2419	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Steel Cable Tray	85.06	19.59
26 05 36 00-2420	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Steel Cable Tray	80.40	19.59
26 05 36 00-2421	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Steel Cable Tray	87.54	20.41
26 05 36 00-2422	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Steel Cable Tray	103.04	21.33
26 05 36 00-2423	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Steel Cable Tray	129.14	22.25
26 05 36 00-2424	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Steel Cable	101.19	22.25
26 05 36 00-2425	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Steel Cable Tray	113.40	23.37
26 05 36 00-2426	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Steel Cable Tray	128.15	24.49
26 05 36 00-2427	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Steel Cable Tray	164.05	25.82
26 05 36 00-2428		**4" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2429	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Steel Cable Tray	70.26	18.17
26 05 36 00-2430	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Steel Cable Tray	78.00	18.88
26 05 36 00-2431	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Steel Cable Tray	85.06	19.59
26 05 36 00-2432	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Steel Cable Tray	98.02	20.41
26 05 36 00-2433	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Steel Cable Tray	98.02	20.41
26 05 36 00-2434	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Steel Cable Tray	115.85	21.33
26 05 36 00-2435	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Steel Cable Tray	127.97	22.25
26 05 36 00-2436	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Steel Cable Tray	159.97	23.37
26 05 36 00-2437	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Steel Cable Tray	110.03	21.33
26 05 36 00-2438	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Steel Cable Tray	122.15	22.25
26 05 36 00-2439	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Steel Cable Tray	146.00	23.37
26 05 36 00-2440	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Steel Cable Tray	186.37	24.49
26 05 36 00-2441		**6" Deep Vertical Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2442	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Steel Cable Tray	77.64	20.41
26 05 36 00-2443	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Steel Cable Tray	84.41	21.33
26 05 36 00-2444	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Steel Cable Tray	93.04	22.25
26 05 36 00-2445	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Steel Cable Tray	108.74	23.37
26 05 36 00-2446	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Steel Cable Tray	99.55	21.33
26 05 36 00-2447	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Steel Cable Tray	117.49	22.25
26 05 36 00-2448	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Steel Cable Tray	130.87	23.37
26 05 36 00-2449	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Steel Cable Tray	161.91	24.49
26 05 36 00-2450	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Steel Cable Tray	111.67	22.25
26 05 36 00-2451	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Steel Cable Tray	130.87	23.37
26 05 36 00-2452	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Steel Cable Tray	161.91	24.49
26 05 36 00-2453	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Steel Cable Tray	198.99	25.82
26 05 36 00-2454		**Horizontal Dividers** *(26 05 36 00-2410)*		
26 05 36 00-2455	EA	3" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	69.52	14.80
26 05 36 00-2456	EA	4" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	77.32	16.32
26 05 36 00-2457	EA	6" Deep Horizontal Fitting Divider Strip, Steel Cable Tray	94.25	18.17
26 05 36 00-2458		**Aluminum Dividers** *(26 05 36 00-2121)*		
26 05 36 00-2459		**Straight Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2460	LF	3" Deep Aluminum Divider Strip, Straight	10.41	2.35
26 05 36 00-2461	LF	4" Deep Aluminum Divider Strip, Straight	12.36	2.55
26 05 36 00-2462	LF	6" Deep Aluminum Divider Strip, Straight	15.37	2.86
26 05 36 00-2463		**3" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2464	EA	Vertical Divider, 3" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	54.18	16.94
26 05 36 00-2465	EA	Vertical Divider, 3" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	59.87	17.56
26 05 36 00-2466	EA	Vertical Divider, 3" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	66.12	18.17
26 05 36 00-2467	EA	Vertical Divider, 3" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	76.88	18.88
26 05 36 00-2468	EA	Vertical Divider, 3" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	74.61	18.88
26 05 36 00-2469	EA	Vertical Divider, 3" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	82.66	19.59
26 05 36 00-2470	EA	Vertical Divider, 3" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	96.48	20.41
26 05 36 00-2471	EA	Vertical Divider, 3" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	120.73	21.33
26 05 36 00-2472	EA	Vertical Divider, 3" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	101.41	21.33
26 05 36 00-2473	EA	Vertical Divider, 3" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	122.37	22.25
26 05 36 00-2474	EA	Vertical Divider, 3" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	149.10	23.37
26 05 36 00-2475	EA	Vertical Divider, 3" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	185.13	24.49
26 05 36 00-2476		**4" Deep Vertical Dividers** *(26 05 36 00-2458)*		
26 05 36 00-2477	EA	Vertical Divider, 4" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	65.89	17.56
26 05 36 00-2478	EA	Vertical Divider, 4" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	72.82	18.17
26 05 36 00-2479	EA	Vertical Divider, 4" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	80.29	18.88
26 05 36 00-2480	EA	Vertical Divider, 4" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	90.61	19.59
26 05 36 00-2481	EA	Vertical Divider, 4" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	89.47	19.59
26 05 36 00-2482	EA	Vertical Divider, 4" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	104.43	20.41
26 05 36 00-2483	EA	Vertical Divider, 4" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	118.46	21.33
26 05 36 00-2484	EA	Vertical Divider, 4" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	150.78	22.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2485	EA	Vertical Divider, 4" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	122.61	20.41
26 05 36 00-2486	EA	Vertical Divider, 4" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	149.14	21.33
26 05 36 00-2487	EA	Vertical Divider, 4" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	175.78	22.25
26 05 36 00-2488	EA	Vertical Divider, 4" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	213.87	23.37

26 05 36 00-2489 6" Deep Vertical Dividers *(26 05 36 00-2458)*

26 05 36 00-2490	EA	Vertical Divider, 6" Deep, 12" Radius, 30 Degree, Aluminum Cable Tray	72.88	19.59
26 05 36 00-2491	EA	Vertical Divider, 6" Deep, 12" Radius, 45 Degree, Aluminum Cable Tray	81.70	20.41
26 05 36 00-2492	EA	Vertical Divider, 6" Deep, 12" Radius, 60 Degree, Aluminum Cable Tray	85.51	21.33
26 05 36 00-2493	EA	Vertical Divider, 6" Deep, 12" Radius, 90 Degree, Aluminum Cable Tray	96.24	22.25
26 05 36 00-2494	EA	Vertical Divider, 6" Deep, 24" Radius, 30 Degree, Aluminum Cable Tray	93.07	20.41
26 05 36 00-2495	EA	Vertical Divider, 6" Deep, 24" Radius, 45 Degree, Aluminum Cable Tray	116.19	21.33
26 05 36 00-2496	EA	Vertical Divider, 6" Deep, 24" Radius, 60 Degree, Aluminum Cable Tray	125.78	22.25
26 05 36 00-2497	EA	Vertical Divider, 6" Deep, 24" Radius, 90 Degree, Aluminum Cable Tray	159.33	23.37
26 05 36 00-2498	EA	Vertical Divider, 6" Deep, 36" Radius, 30 Degree, Aluminum Cable Tray	125.28	21.33
26 05 36 00-2499	EA	Vertical Divider, 6" Deep, 36" Radius, 45 Degree, Aluminum Cable Tray	157.60	22.25
26 05 36 00-2500	EA	Vertical Divider, 6" Deep, 36" Radius, 60 Degree, Aluminum Cable Tray	180.92	23.37
26 05 36 00-2501	EA	Vertical Divider, 6" Deep, 36" Radius, 90 Degree, Aluminum Cable Tray	211.26	24.49

26 05 36 00-2502 Horizontal Dividers *(26 05 36 00-2458)*

26 05 36 00-2503	EA	3" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	64.73	13.98
26 05 36 00-2504	EA	4" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	70.96	15.31
26 05 36 00-2505	EA	6" Deep Horizontal Fitting Divider Strip, Aluminum Cable Tray	88.38	16.94

26 05 36 00-2506 Cable Tray Wall Brackets *(26 05 36 00-0001)*

26 05 36 00-2507 Wall Brackets *(26 05 36 00-2506)*

26 05 36 00-2508	EA	6" Wide Cable Tray Wall Bracket	84.71	20.41
26 05 36 00-2509	EA	9" Wide Cable Tray Wall Bracket	87.69	21.33
26 05 36 00-2510	EA	12" Wide Cable Tray Wall Bracket	96.58	22.25
26 05 36 00-2511	EA	18" Wide Cable Tray Wall Bracket	102.66	23.37
26 05 36 00-2512	EA	24" Wide Cable Tray Wall Bracket	111.85	24.49
26 05 36 00-2513	EA	30" Wide Cable Tray Wall Bracket	134.27	25.82
26 05 36 00-2514	EA	36" Wide Cable Tray Wall Bracket	161.88	27.55

26 05 36 00-2515 Fiberglass Cable Tray *(26 05 36 00-0001)*

26 05 36 00-2516 Ladder Bottom Fiberglass Cable Tray *(26 05 36 00-2515)*

Note: Excludes hangers and support system.

26 05 36 00-2517 Straight Tray Sections *(26 05 36 00-2516)*

26 05 36 00-2518	LF	6" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	13.23	2.76
		For Solid Bottom, Add	*3.36*	
		For 18" Rung Spacing, Deduct	*-0.23*	
		For 9" Rung Spacing, Add	*0.32*	
		For 6" Rung Spacing, Add	*1.37*	
		For 4" Rung Spacing, Add	*2.52*	
		For Vented Trough Bottom, Add	*4.17*	
26 05 36 00-2519	LF	9" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	14.55	3.37
		For Solid Bottom, Add	*3.60*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For 9" Rung Spacing, Add	*0.33*	
		For 6" Rung Spacing, Add	*1.42*	
		For 4" Rung Spacing, Add	*2.60*	
		For Vented Trough Bottom, Add	*4.42*	
26 05 36 00-2520	LF	12" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	15.84	4.08
		For Solid Bottom, Add	*3.83*	
		For 18" Rung Spacing, Deduct	*-0.24*	
		For 9" Rung Spacing, Add	*0.34*	
		For 6" Rung Spacing, Add	*1.46*	
		For 4" Rung Spacing, Add	*2.67*	
		For Vented Trough Bottom, Add	*4.65*	
26 05 36 00-2521	LF	18" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	18.60	5.40
		For Solid Bottom, Add	*4.36*	
		For 18" Rung Spacing, Deduct	*-0.26*	
		For 9" Rung Spacing, Add	*0.37*	
		For 6" Rung Spacing, Add	*1.57*	
		For 4" Rung Spacing, Add	*2.87*	
		For Vented Trough Bottom, Add	*5.20*	
26 05 36 00-2522	LF	24" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	21.36	6.84
		For Solid Bottom, Add	*4.88*	
		For 18" Rung Spacing, Deduct	*-0.28*	
		For 9" Rung Spacing, Add	*0.39*	
		For 6" Rung Spacing, Add	*1.67*	
		For 4" Rung Spacing, Add	*3.07*	
		For Vented Trough Bottom, Add	*5.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2523	LF	30" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	23.32	7.45
		For Solid Bottom, Add	*5.31*	
		For 18" Rung Spacing, Deduct	*-0.30*	
		For 9" Rung Spacing, Add	*0.42*	
		For 6" Rung Spacing, Add	*1.81*	
		For 4" Rung Spacing, Add	*3.32*	
		For Vented Trough Bottom, Add	*6.24*	
26 05 36 00-2524	LF	36" Fiberglass Cable Tray - Straight Section, 12" Rung Spacing	25.32	8.16
		For Solid Bottom, Add	*5.76*	
		For 18" Rung Spacing, Deduct	*-0.33*	
		For 9" Rung Spacing, Add	*0.46*	
		For 6" Rung Spacing, Add	*1.96*	
		For 4" Rung Spacing, Add	*3.60*	
		For Vented Trough Bottom, Add	*6.76*	
26 05 36 00-2525		**90 Degree Horizontal Elbows** *(26 05 36 00-2516)*		
26 05 36 00-2526	EA	6" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	67.62	20.41
		For 45 Degree Bend, Deduct	*-20.88*	
		For 60 Degree Bend, Deduct	*-15.27*	
		For Solid Bottom, Add	*15.69*	
		For 18" Rung Spacing, Deduct	*-0.93*	
		For 9" Rung Spacing, Add	*1.30*	
		For 6" Rung Spacing, Add	*5.55*	
		For 4" Rung Spacing, Add	*10.18*	
		For 30 Degree Bend, Deduct	*-26.48*	
		For Vented Trough Bottom, Add	*18.63*	
26 05 36 00-2527	EA	9" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	74.85	23.77
		For 45 Degree Bend, Deduct	*-22.58*	
		For 60 Degree Bend, Deduct	*-16.49*	
		For Solid Bottom, Add	*17.10*	
		For 18" Rung Spacing, Deduct	*-0.98*	
		For 9" Rung Spacing, Add	*1.37*	
		For 6" Rung Spacing, Add	*5.87*	
		For 4" Rung Spacing, Add	*10.76*	
		For 30 Degree Bend, Deduct	*-28.67*	
		For Vented Trough Bottom, Add	*20.12*	
26 05 36 00-2528	EA	12" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	86.16	29.90
		For 45 Degree Bend, Deduct	*-24.89*	
		For 60 Degree Bend, Deduct	*-18.11*	
		For Solid Bottom, Add	*19.11*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.19*	
		For 4" Rung Spacing, Add	*11.35*	
		For 30 Degree Bend, Deduct	*-31.67*	
		For Vented Trough Bottom, Add	*22.12*	
26 05 36 00-2529	EA	18" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	101.47	36.12
		For 45 Degree Bend, Deduct	*-28.96*	
		For 60 Degree Bend, Deduct	*-21.05*	
		For Solid Bottom, Add	*22.33*	
		For 18" Rung Spacing, Deduct	*-1.18*	
		For 9" Rung Spacing, Add	*1.66*	
		For 6" Rung Spacing, Add	*7.11*	
		For 4" Rung Spacing, Add	*13.03*	
		For 30 Degree Bend, Deduct	*-36.88*	
		For Vented Trough Bottom, Add	*25.72*	
26 05 36 00-2530	EA	24" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	114.34	41.53
		For 45 Degree Bend, Deduct	*-32.26*	
		For 60 Degree Bend, Deduct	*-23.42*	
		For Solid Bottom, Add	*24.97*	
		For 18" Rung Spacing, Deduct	*-1.30*	
		For 9" Rung Spacing, Add	*1.82*	
		For 6" Rung Spacing, Add	*7.82*	
		For 4" Rung Spacing, Add	*14.33*	
		For 30 Degree Bend, Deduct	*-41.10*	
		For Vented Trough Bottom, Add	*28.62*	
26 05 36 00-2531	EA	30" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	126.21	44.29
		For 45 Degree Bend, Deduct	*-36.30*	
		For 60 Degree Bend, Deduct	*-26.39*	
		For Solid Bottom, Add	*27.91*	
		For 18" Rung Spacing, Deduct	*-1.50*	
		For 9" Rung Spacing, Add	*2.10*	
		For 6" Rung Spacing, Add	*8.98*	
		For 4" Rung Spacing, Add	*16.47*	
		For 30 Degree Bend, Deduct	*-46.20*	
		For Vented Trough Bottom, Add	*32.24*	
26 05 36 00-2532	EA	36" Horizontal 90 Degree Elbow, Fiberglass Cable Tray	140.22	47.66
		For 45 Degree Bend, Deduct	*-40.98*	
		For 60 Degree Bend, Deduct	*-29.84*	
		For Solid Bottom, Add	*31.35*	
		For 18" Rung Spacing, Deduct	*-1.72*	
		For 9" Rung Spacing, Add	*2.41*	
		For 6" Rung Spacing, Add	*10.32*	
		For 4" Rung Spacing, Add	*18.91*	
		For 30 Degree Bend, Deduct	*-52.12*	
		For Vented Trough Bottom, Add	*36.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2533		**Inside Or Outside Vertical Risers** *(26 05 36 00-2516)*		
26 05 36 00-2534	EA	6" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	106.29	20.41
		For 45 Degree Bend, Deduct	*-37.89*	
		For 60 Degree Bend, Deduct	*-28.04*	
		For Solid Bottom, Add	*27.30*	
		For 18" Rung Spacing, Deduct	*-1.89*	
		For 9" Rung Spacing, Add	*2.65*	
		For 6" Rung Spacing, Add	*11.35*	
		For 4" Rung Spacing, Add	*20.81*	
		For 30 Degree Bend, Deduct	*-47.75*	
		For Vented Trough Bottom, Add	*34.10*	
26 05 36 00-2535	EA	9" Vertical Inside Or Outside Riser 90, Fiberglass	112.46	23.77
		For 45 Degree Bend, Deduct	*-39.13*	
		For 60 Degree Bend, Deduct	*-28.90*	
		For Solid Bottom, Add	*28.38*	
		For 18" Rung Spacing, Deduct	*-1.92*	
		For 9" Rung Spacing, Add	*2.69*	
		For 6" Rung Spacing, Add	*11.51*	
		For 4" Rung Spacing, Add	*21.11*	
		For 30 Degree Bend, Deduct	*-49.35*	
		For Vented Trough Bottom, Add	*35.16*	
26 05 36 00-2536	EA	12" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	122.70	29.90
		For 45 Degree Bend, Deduct	*-40.97*	
		For 60 Degree Bend, Deduct	*-30.16*	
		For Solid Bottom, Add	*30.08*	
		For 18" Rung Spacing, Deduct	*-1.95*	
		For 9" Rung Spacing, Add	*2.72*	
		For 6" Rung Spacing, Add	*11.67*	
		For 4" Rung Spacing, Add	*21.40*	
		For 30 Degree Bend, Deduct	*-51.77*	
		For Vented Trough Bottom, Add	*36.73*	
26 05 36 00-2537	EA	18" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	134.24	36.12
		For 45 Degree Bend, Deduct	*-43.38*	
		For 60 Degree Bend, Deduct	*-31.86*	
		For Solid Bottom, Add	*32.16*	
		For 18" Rung Spacing, Deduct	*-2.00*	
		For 9" Rung Spacing, Add	*2.81*	
		For 6" Rung Spacing, Add	*12.02*	
		For 4" Rung Spacing, Add	*22.04*	
		For 30 Degree Bend, Deduct	*-54.90*	
		For Vented Trough Bottom, Add	*38.82*	
26 05 36 00-2538	EA	24" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	144.52	41.53
		For 45 Degree Bend, Deduct	*-45.54*	
		For 60 Degree Bend, Deduct	*-33.38*	
		For Solid Bottom, Add	*34.02*	
		For 18" Rung Spacing, Deduct	*-2.06*	
		For 9" Rung Spacing, Add	*2.88*	
		For 6" Rung Spacing, Add	*12.34*	
		For 4" Rung Spacing, Add	*22.63*	
		For 30 Degree Bend, Deduct	*-57.70*	
		For Vented Trough Bottom, Add	*40.69*	
26 05 36 00-2539	EA	30" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	150.73	44.29
		For 45 Degree Bend, Deduct	*-47.09*	
		For 60 Degree Bend, Deduct	*-34.49*	
		For Solid Bottom, Add	*35.27*	
		For 18" Rung Spacing, Deduct	*-2.11*	
		For 9" Rung Spacing, Add	*2.95*	
		For 6" Rung Spacing, Add	*12.66*	
		For 4" Rung Spacing, Add	*23.21*	
		For 30 Degree Bend, Deduct	*-59.69*	
		For Vented Trough Bottom, Add	*42.05*	
26 05 36 00-2540	EA	36" Vertical Inside Or Outside Riser 90, Fiberglass Cable Tray	164.68	47.66
		For 45 Degree Bend, Deduct	*-51.74*	
		For 60 Degree Bend, Deduct	*-37.91*	
		For Solid Bottom, Add	*38.69*	
		For 18" Rung Spacing, Deduct	*-2.33*	
		For 9" Rung Spacing, Add	*3.26*	
		For 6" Rung Spacing, Add	*13.99*	
		For 4" Rung Spacing, Add	*25.64*	
		For 30 Degree Bend, Deduct	*-65.57*	
		For Vented Trough Bottom, Add	*46.23*	
26 05 36 00-2541		**Horizontal Tees** *(26 05 36 00-2516)*		
26 05 36 00-2542	EA	6" Horizontal Tee, Fiberglass Cable Tray	141.84	51.02
		For Solid Bottom, Add	*31.07*	
		For 18" Rung Spacing, Deduct	*-1.63*	
		For 9" Rung Spacing, Add	*2.29*	
		For 6" Rung Spacing, Add	*9.80*	
		For 4" Rung Spacing, Add	*17.96*	
		For Vented Trough Bottom, Add	*35.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2543	EA	9" Horizontal Tee, Fiberglass Cable Tray	157.70	59.90
		For Solid Bottom, Add	*33.84*	
		For 18" Rung Spacing, Deduct	*-1.70*	
		For 9" Rung Spacing, Add	*2.38*	
		For 6" Rung Spacing, Add	*10.18*	
		For 4" Rung Spacing, Add	*18.67*	
		For Vented Trough Bottom, Add	*38.38*	
26 05 36 00-2544	EA	12" Horizontal Tee, Fiberglass Cable Tray	177.64	71.43
		For Solid Bottom, Add	*37.22*	
		For 18" Rung Spacing, Deduct	*-1.76*	
		For 9" Rung Spacing, Add	*2.47*	
		For 6" Rung Spacing, Add	*10.57*	
		For 4" Rung Spacing, Add	*19.38*	
		For Vented Trough Bottom, Add	*41.59*	
26 05 36 00-2545	EA	18" Horizontal Tee, Fiberglass Cable Tray	197.99	80.31
		For Solid Bottom, Add	*41.33*	
		For 18" Rung Spacing, Deduct	*-1.94*	
		For 9" Rung Spacing, Add	*2.71*	
		For 6" Rung Spacing, Add	*11.64*	
		For 4" Rung Spacing, Add	*21.33*	
		For Vented Trough Bottom, Add	*46.08*	
26 05 36 00-2546	EA	24" Horizontal Tee, Fiberglass Cable Tray	208.74	83.68
		For Solid Bottom, Add	*43.79*	
		For 18" Rung Spacing, Deduct	*-2.08*	
		For 9" Rung Spacing, Add	*2.91*	
		For 6" Rung Spacing, Add	*12.48*	
		For 4" Rung Spacing, Add	*22.89*	
		For Vented Trough Bottom, Add	*48.98*	
26 05 36 00-2547	EA	30" Horizontal Tee, Fiberglass Cable Tray	224.61	88.47
		For Solid Bottom, Add	*47.48*	
		For 18" Rung Spacing, Deduct	*-2.30*	
		For 9" Rung Spacing, Add	*3.22*	
		For 6" Rung Spacing, Add	*13.79*	
		For 4" Rung Spacing, Add	*25.29*	
		For Vented Trough Bottom, Add	*53.36*	
26 05 36 00-2548	EA	36" Horizontal Tee, Fiberglass Cable Tray	244.45	95.31
		For Solid Bottom, Add	*51.90*	
		For 18" Rung Spacing, Deduct	*-2.54*	
		For 9" Rung Spacing, Add	*3.56*	
		For 6" Rung Spacing, Add	*15.24*	
		For 4" Rung Spacing, Add	*27.93*	
		For Vented Trough Bottom, Add	*58.49*	

26 05 36 00-2549 Horizontal Crosses *(26 05 36 00-2516)*

26 05 36 00-2550	EA	6" Horizontal Cross, Fiberglass Cable Tray	216.36	88.47
		For Solid Bottom, Add	*45.01*	
		For 18" Rung Spacing, Deduct	*-2.09*	
		For 9" Rung Spacing, Add	*2.93*	
		For 6" Rung Spacing, Add	*12.56*	
		For 4" Rung Spacing, Add	*23.02*	
		For Vented Trough Bottom, Add	*50.06*	
26 05 36 00-2551	EA	9" Horizontal Cross, Fiberglass Cable Tray	229.04	95.31
		For Solid Bottom, Add	*47.28*	
		For 18" Rung Spacing, Deduct	*-2.15*	
		For 9" Rung Spacing, Add	*3.02*	
		For 6" Rung Spacing, Add	*12.93*	
		For 4" Rung Spacing, Add	*23.70*	
		For Vented Trough Bottom, Add	*52.33*	
26 05 36 00-2552	EA	12" Horizontal Cross, Fiberglass Cable Tray	241.72	102.15
		For Solid Bottom, Add	*49.56*	
		For 18" Rung Spacing, Deduct	*-2.22*	
		For 9" Rung Spacing, Add	*3.10*	
		For 6" Rung Spacing, Add	*13.30*	
		For 4" Rung Spacing, Add	*24.38*	
		For Vented Trough Bottom, Add	*54.59*	
26 05 36 00-2553	EA	18" Horizontal Cross, Fiberglass Cable Tray	259.00	108.89
		For Solid Bottom, Add	*53.21*	
		For 18" Rung Spacing, Deduct	*-2.39*	
		For 9" Rung Spacing, Add	*3.35*	
		For 6" Rung Spacing, Add	*14.36*	
		For 4" Rung Spacing, Add	*26.32*	
		For Vented Trough Bottom, Add	*58.70*	
26 05 36 00-2554	EA	24" Horizontal Cross, Fiberglass Cable Tray	274.62	115.72
		For Solid Bottom, Add	*56.36*	
		For 18" Rung Spacing, Deduct	*-2.53*	
		For 9" Rung Spacing, Add	*3.54*	
		For 6" Rung Spacing, Add	*15.17*	
		For 4" Rung Spacing, Add	*27.81*	
		For Vented Trough Bottom, Add	*62.14*	
26 05 36 00-2555	EA	30" Horizontal Cross, Fiberglass Cable Tray	293.78	122.56
		For Solid Bottom, Add	*60.58*	
		For 18" Rung Spacing, Deduct	*-2.75*	
		For 9" Rung Spacing, Add	*3.85*	
		For 6" Rung Spacing, Add	*16.52*	
		For 4" Rung Spacing, Add	*30.28*	
		For Vented Trough Bottom, Add	*67.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2556	EA	36" Horizontal Cross, Fiberglass Cable Tray	318.59	131.33
		For Solid Bottom, Add	*66.03*	
		For 18" Rung Spacing, Deduct	*-3.04*	
		For 9" Rung Spacing, Add	*4.26*	
		For 6" Rung Spacing, Add	*18.24*	
		For 4" Rung Spacing, Add	*33.45*	
		For Vented Trough Bottom, Add	*73.27*	
26 05 36 00-2557		**Horizontal Wyes** *(26 05 36 00-2516)*		
26 05 36 00-2558	EA	6" Horizontal Wye, Fiberglass Cable Tray	135.23	51.02
		For Solid Bottom, Add	*29.09*	
		For 18" Rung Spacing, Deduct	*-1.47*	
		For 9" Rung Spacing, Add	*2.05*	
		For 6" Rung Spacing, Add	*8.81*	
		For 4" Rung Spacing, Add	*16.14*	
		For Vented Trough Bottom, Add	*33.05*	
26 05 36 00-2559	EA	9" Horizontal Wye, Fiberglass Cable Tray	142.72	54.49
		For Solid Bottom, Add	*30.57*	
		For 18" Rung Spacing, Deduct	*-1.53*	
		For 9" Rung Spacing, Add	*2.14*	
		For 6" Rung Spacing, Add	*9.16*	
		For 4" Rung Spacing, Add	*16.80*	
		For Vented Trough Bottom, Add	*34.64*	
26 05 36 00-2560	EA	12" Horizontal Wye, Fiberglass Cable Tray	170.57	71.43
		For Solid Bottom, Add	*35.10*	
		For 18" Rung Spacing, Deduct	*-1.59*	
		For 9" Rung Spacing, Add	*2.22*	
		For 6" Rung Spacing, Add	*9.51*	
		For 4" Rung Spacing, Add	*17.44*	
		For Vented Trough Bottom, Add	*38.76*	
26 05 36 00-2561	EA	18" Horizontal Wye, Fiberglass Cable Tray	190.21	80.31
		For Solid Bottom, Add	*39.00*	
		For 18" Rung Spacing, Deduct	*-1.74*	
		For 9" Rung Spacing, Add	*2.44*	
		For 6" Rung Spacing, Add	*10.47*	
		For 4" Rung Spacing, Add	*19.19*	
		For Vented Trough Bottom, Add	*42.97*	
26 05 36 00-2562	EA	24" Horizontal Wye, Fiberglass Cable Tray	200.26	83.68
		For Solid Bottom, Add	*41.25*	
		For 18" Rung Spacing, Deduct	*-1.87*	
		For 9" Rung Spacing, Add	*2.62*	
		For 6" Rung Spacing, Add	*11.21*	
		For 4" Rung Spacing, Add	*20.55*	
		For Vented Trough Bottom, Add	*45.59*	
26 05 36 00-2563	EA	30" Horizontal Wye, Fiberglass Cable Tray	215.41	88.47
		For Solid Bottom, Add	*44.72*	
		For 18" Rung Spacing, Deduct	*-2.07*	
		For 9" Rung Spacing, Add	*2.90*	
		For 6" Rung Spacing, Add	*12.41*	
		For 4" Rung Spacing, Add	*22.76*	
		For Vented Trough Bottom, Add	*49.68*	
26 05 36 00-2564	EA	36" Horizontal Wye, Fiberglass Cable Tray	234.29	95.31
		For Solid Bottom, Add	*48.86*	
		For 18" Rung Spacing, Deduct	*-2.29*	
		For 9" Rung Spacing, Add	*3.20*	
		For 6" Rung Spacing, Add	*13.71*	
		For 4" Rung Spacing, Add	*25.14*	
		For Vented Trough Bottom, Add	*54.43*	
26 05 36 00-2565		**Straight Reducers** *(26 05 36 00-2516)*		
26 05 36 00-2566	EA	9" To 6" Reducer, Fiberglass Cable Tray	63.85	20.41
		For Solid Bottom, Add	*14.56*	
		For 18" Rung Spacing, Deduct	*-0.83*	
		For 9" Rung Spacing, Add	*1.16*	
		For 6" Rung Spacing, Add	*4.99*	
		For 4" Rung Spacing, Add	*9.14*	
		For Vented Trough Bottom, Add	*17.12*	
26 05 36 00-2567	EA	12" To 9" Reducer, Fiberglass Cable Tray	69.44	23.77
		For Solid Bottom, Add	*15.48*	
		For 18" Rung Spacing, Deduct	*-0.84*	
		For 9" Rung Spacing, Add	*1.18*	
		For 6" Rung Spacing, Add	*5.06*	
		For 4" Rung Spacing, Add	*9.28*	
		For Vented Trough Bottom, Add	*17.96*	
26 05 36 00-2568	EA	18" To 12" Reducer, Fiberglass Cable Tray	75.01	27.24
		For Solid Bottom, Add	*16.38*	
		For 18" Rung Spacing, Deduct	*-0.85*	
		For 9" Rung Spacing, Add	*1.20*	
		For 6" Rung Spacing, Add	*5.13*	
		For 4" Rung Spacing, Add	*9.40*	
		For Vented Trough Bottom, Add	*18.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2569	EA	24" To 18" Reducer, Fiberglass Cable Tray	80.26	29.90
		For Solid Bottom, Add	*17.34*	
		For 18" Rung Spacing, Deduct	*-0.88*	
		For 9" Rung Spacing, Add	*1.24*	
		For 6" Rung Spacing, Add	*5.30*	
		For 4" Rung Spacing, Add	*9.72*	
		For Vented Trough Bottom, Add	*19.76*	
26 05 36 00-2570	EA	30" To 24" Reducer, Fiberglass Cable Tray	90.24	32.66
		For Solid Bottom, Add	*19.73*	
		For 18" Rung Spacing, Deduct	*-1.03*	
		For 9" Rung Spacing, Add	*1.44*	
		For 6" Rung Spacing, Add	*6.19*	
		For 4" Rung Spacing, Add	*11.35*	
		For Vented Trough Bottom, Add	*22.63*	
26 05 36 00-2571	EA	36" To 30" Reducer, Fiberglass Cable Tray	102.01	36.12
		For Solid Bottom, Add	*22.49*	
		For 18" Rung Spacing, Deduct	*-1.20*	
		For 9" Rung Spacing, Add	*1.68*	
		For 6" Rung Spacing, Add	*7.19*	
		For 4" Rung Spacing, Add	*13.18*	
		For Vented Trough Bottom, Add	*25.93*	

26 05 36 00-2572 Vertical Tees *(26 05 36 00-2516)*

26 05 36 00-2573	EA	6" Vertical Tee, Fiberglass Cable Tray	201.25	51.02
		For Solid Bottom, Add	*48.90*	
		For 18" Rung Spacing, Deduct	*-3.12*	
		For 9" Rung Spacing, Add	*4.37*	
		For 6" Rung Spacing, Add	*18.71*	
		For 4" Rung Spacing, Add	*34.30*	
		For Vented Trough Bottom, Add	*59.45*	
26 05 36 00-2574	EA	9" Vertical Tee, Fiberglass Cable Tray	207.90	54.49
		For Solid Bottom, Add	*50.13*	
		For 18" Rung Spacing, Deduct	*-3.16*	
		For 9" Rung Spacing, Add	*4.42*	
		For 6" Rung Spacing, Add	*18.94*	
		For 4" Rung Spacing, Add	*34.72*	
		For Vented Trough Bottom, Add	*60.71*	
26 05 36 00-2575	EA	12" Vertical Tee, Fiberglass Cable Tray	234.93	71.43
		For Solid Bottom, Add	*54.41*	
		For 18" Rung Spacing, Deduct	*-3.19*	
		For 9" Rung Spacing, Add	*4.47*	
		For 6" Rung Spacing, Add	*19.17*	
		For 4" Rung Spacing, Add	*35.14*	
		For Vented Trough Bottom, Add	*64.51*	
26 05 36 00-2576	EA	18" Vertical Tee, Fiberglass Cable Tray	251.74	80.31
		For Solid Bottom, Add	*57.46*	
		For 18" Rung Spacing, Deduct	*-3.28*	
		For 9" Rung Spacing, Add	*4.60*	
		For 6" Rung Spacing, Add	*19.70*	
		For 4" Rung Spacing, Add	*36.11*	
		For Vented Trough Bottom, Add	*67.58*	
26 05 36 00-2577	EA	24" Vertical Tee, Fiberglass Cable Tray	260.14	83.68
		For Solid Bottom, Add	*59.21*	
		For 18" Rung Spacing, Deduct	*-3.37*	
		For 9" Rung Spacing, Add	*4.71*	
		For 6" Rung Spacing, Add	*20.19*	
		For 4" Rung Spacing, Add	*37.02*	
		For Vented Trough Bottom, Add	*69.54*	
26 05 36 00-2578	EA	30" Vertical Tee, Fiberglass Cable Tray	270.34	88.47
		For Solid Bottom, Add	*61.20*	
		For 18" Rung Spacing, Deduct	*-3.44*	
		For 9" Rung Spacing, Add	*4.82*	
		For 6" Rung Spacing, Add	*20.65*	
		For 4" Rung Spacing, Add	*37.86*	
		For Vented Trough Bottom, Add	*71.65*	
26 05 36 00-2579	EA	36" Vertical Tee, Fiberglass Cable Tray	294.99	95.31
		For Solid Bottom, Add	*67.07*	
		For 18" Rung Spacing, Deduct	*-3.80*	
		For 9" Rung Spacing, Add	*5.32*	
		For 6" Rung Spacing, Add	*22.82*	
		For 4" Rung Spacing, Add	*41.83*	
		For Vented Trough Bottom, Add	*78.71*	

26 05 36 00-2580 Flextray™ Cable Tray *(26 05 36 00-0001)*

26 05 36 00-2581 Flextray™ Cable Tray Straight Sections *(26 05 36 00-2580)*

Note: Includes splicing and splice bars.

26 05 36 00-2582	LF	2" Deep x 2" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	19.86	6.43
26 05 36 00-2583	LF	2" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	24.83	6.86
26 05 36 00-2584	LF	2" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	26.08	7.16
26 05 36 00-2585	LF	2" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	27.41	7.53
26 05 36 00-2586	LF	2" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	29.35	7.90
26 05 36 00-2587	LF	2" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	31.51	8.26
26 05 36 00-2588	LF	2" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.24	8.63

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 36 00-2589		LF	2" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.46	8.87
26 05 36 00-2590		LF	2" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.18	9.12
26 05 36 00-2591		LF	4" Deep x 4" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	25.94	7.55
26 05 36 00-2592		LF	4" Deep x 6" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	28.21	7.86
26 05 36 00-2593		LF	4" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	30.57	8.26
26 05 36 00-2594		LF	4" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	32.45	8.67
26 05 36 00-2595		LF	4" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	34.51	9.08
26 05 36 00-2596		LF	4" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	37.26	9.49
26 05 36 00-2597		LF	4" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	39.41	9.80
26 05 36 00-2598		LF	4" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.99	10.00
26 05 36 00-2599		LF	4" Deep x 30" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	51.95	10.72
26 05 36 00-2600		LF	6" Deep x 8" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	33.94	9.08
26 05 36 00-2601		LF	6" Deep x 12" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	38.50	9.49
26 05 36 00-2602		LF	6" Deep x 16" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	40.28	9.90
26 05 36 00-2603		LF	6" Deep x 18" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	43.39	10.41
26 05 36 00-2604		LF	6" Deep x 20" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	44.79	10.61
26 05 36 00-2605		LF	6" Deep x 24" Wide Flextray™ Cable, Electroplated Zinc Galvanized Finish	54.64	10.92

26 05 36 00-2606 Flextray™ Cable Tray Bends *(26 05 36 00-2580)*

Note: Includes field fabricated bend and 90 degree kit.

26 05 36 00-2607		EA	2" Deep x 2" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	14.91	4.79
26 05 36 00-2608		EA	2" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	18.62	5.10
26 05 36 00-2609		EA	2" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	26.08	7.14
26 05 36 00-2610		EA	2" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	41.18	11.33
26 05 36 00-2611		EA	2" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	58.70	15.82
26 05 36 00-2612		EA	2" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	78.79	20.71
26 05 36 00-2613		EA	2" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	90.47	25.92
26 05 36 00-2614		EA	2" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	107.83	31.12
26 05 36 00-2615		EA	2" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	136.75	36.54
26 05 36 00-2616		EA	4" Deep x 4" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	19.41	5.61
26 05 36 00-2617		EA	4" Deep x 6" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	28.24	7.86
26 05 36 00-2618		EA	4" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	45.84	12.45
26 05 36 00-2619		EA	4" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	64.92	17.35
26 05 36 00-2620		EA	4" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	86.25	22.76
26 05 36 00-2621		EA	4" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	104.26	28.47
26 05 36 00-2622		EA	4" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	126.33	34.19
26 05 36 00-2623		EA	4" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	164.00	40.11
26 05 36 00-2624		EA	4" Deep x 30" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	259.86	53.57
26 05 36 00-2625		EA	6" Deep x 8" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	50.86	13.58
26 05 36 00-2626		EA	6" Deep x 12" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	77.04	18.98
26 05 36 00-2627		EA	6" Deep x 16" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	100.71	24.80
26 05 36 00-2628		EA	6" Deep x 18" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	121.06	31.12
26 05 36 00-2629		EA	6" Deep x 20" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	143.24	37.25
26 05 36 00-2630		EA	6" Deep x 24" Wide Flextray™ Cable Bend, Electroplated Zinc Galvanized Finish Note: Field Fabricated	218.52	43.77

26 05 36 00-2631 Flextray™ Cable Tray Brackets *(26 05 36 00-2580)*

26 05 36 00-2632		EA	6" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	37.31	13.47
26 05 36 00-2633		EA	8" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	39.77	13.47
26 05 36 00-2634		EA	12" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	43.95	13.47
26 05 36 00-2635		EA	16" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	53.62	14.70
26 05 36 00-2636		EA	18" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	57.27	14.70
26 05 36 00-2637		EA	20" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	58.50	14.70
26 05 36 00-2638		EA	24" Shelf Bracket, Electroplated Zinc Galvanized Finish, Flextray™	59.58	14.70

26 05 39 Underfloor Raceways for Electrical Systems *(26 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0001		**Underfloor Ducts** *(26 05 39)*		
26 05 39 00-0002		**Straight Duct Sections 10' Long, 14 Gauge Steel** *(26 05 39 00-0001)*		
26 05 39 00-0003		**Standard Ducts, 3.8 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0004	EA	Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches	104.28	17.96
26 05 39 00-0005	EA	Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches	132.54	21.03
26 05 39 00-0006		**Large Capacity Ducts, 8.9 Square Inches** *(26 05 39 00-0002)*		
26 05 39 00-0007	EA	Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches	179.35	22.76
26 05 39 00-0008	EA	Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches	206.13	25.21
26 05 39 00-0009		**Junction Boxes** *(26 05 39 00-0001)*		
26 05 39 00-0010		**One Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0011	EA	1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box	272.57	35.71
26 05 39 00-0012	EA	1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box	310.32	38.27
26 05 39 00-0013	EA	1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box Note: Isolate each duct and form a continuous raceway through the box in both directions.	519.30	35.71
26 05 39 00-0014	EA	1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box	342.50	38.27
26 05 39 00-0015	EA	1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box	551.71	50.31
26 05 39 00-0016	EA	1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct	786.58	54.69
26 05 39 00-0017		**Two Level Junction Boxes** *(26 05 39 00-0009)*		
26 05 39 00-0018	EA	2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.	1,235.24	36.12
26 05 39 00-0019	EA	2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts	1,423.82	38.27
26 05 39 00-0020		**Elbow Fittings** *(26 05 39 00-0001)*		
26 05 39 00-0021		**90 Degree Horizontal Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0022	EA	Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree	136.50	13.16
26 05 39 00-0023	EA	Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree	140.92	13.16
26 05 39 00-0024		**90 Degree Vertical Elbow** *(26 05 39 00-0020)*		
26 05 39 00-0025	EA	Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree	72.14	13.16
26 05 39 00-0026	EA	Underfloor Large Duct Vertical Elbow Fitting, 90 Degree	73.91	13.16
26 05 39 00-0027		**Offset Elbow** *(26 05 39 00-0020)* Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA	Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under	72.14	15.31
26 05 39 00-0029	EA	Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under	73.91	15.31
26 05 39 00-0030		**Couplings** *(26 05 39 00-0001)*		
26 05 39 00-0031		**Sleeve Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0032	EA	Underfloor Standard Duct Sleeve Coupling	42.22	20.41
26 05 39 00-0033	EA	Underfloor Large Duct Sleeve Coupling	64.32	20.41
26 05 39 00-0034		**Expansion Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0035	EA	Underfloor Standard Duct Expansion Coupling	101.42	20.41
26 05 39 00-0036	EA	Underfloor Large Duct Expansion Coupling	103.63	21.54
26 05 39 00-0037		**Reducing Couplings** *(26 05 39 00-0030)*		
26 05 39 00-0038	EA	Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling	112.04	3.06
26 05 39 00-0039		**Duct Supports** *(26 05 39 00-0001)*		
26 05 39 00-0040		**Combination Support And Coupling** *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA	1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	96.05	42.86
26 05 39 00-0042	EA	2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	106.49	42.86
26 05 39 00-0043	EA	3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	117.00	42.86
26 05 39 00-0044	EA	1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	106.49	47.97
26 05 39 00-0045	EA	2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet	127.75	47.97
26 05 39 00-0046	EA	1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	117.00	51.02
26 05 39 00-0047	EA	2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	117.00	51.02
26 05 39 00-0048	EA	1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet	127.75	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0049		Duct Support Only *(26 05 39 00-0039)* Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA	1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	87.65	37.76
26 05 39 00-0051	EA	2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	103.31	37.76
26 05 39 00-0052	EA	3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet	120.50	37.76
26 05 39 00-0053		Underfloor Duct Accessories *(26 05 39 00-0001)*		
26 05 39 00-0054		Plugs For Unused Junction Box Openings And Duct Ends *(26 05 39 00-0053)*		
26 05 39 00-0055	EA	Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends	29.31	3.06
26 05 39 00-0056	EA	Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends	29.85	3.06
26 05 39 00-0057		Conduit Adapters *(26 05 39 00-0053)*		
26 05 39 00-0058	EA	One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	40.68	5.10
26 05 39 00-0059	EA	Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	43.07	5.10
26 05 39 00-0060	EA	One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter	41.74	5.10
26 05 39 00-0061	EA	Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter	42.81	5.10
26 05 39 00-0062		Holders And Caps *(26 05 39 00-0053)*		
26 05 39 00-0063	EA	Tile Holder, Underfloor Duct Accessories	253.12	42.86
26 05 39 00-0064	EA	Terrazzo Holder, Underfloor Duct Accessories	508.10	42.86
26 05 39 00-0065	EA	Closing Caps For Inserts, Underfloor Duct Accessories	3.17	1.02
26 05 39 00-0066		Underfloor Dust Pans *(26 05 39 00-0001)*		
26 05 39 00-0067	EA	Underfloor Dust Carpet Pan	118.53	5.60

26 05 43 Underground Ducts and Raceways for Electrical Systems *(26 05)*

Note: Includes warning tape. See CSI section 33 71 19 23-0000 for underground trenched ductbank.

26 05 43 00-0001		Precast Concrete Trenches, One Piece Pedestrian Trench *(26 05 43)* Note: Rated for 200 PSF Pedestrian Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0002		10" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0003	LF	Base, Solid Bottom 10" Wide x 15" Deep Pedestrian Trench	92.23	
26 05 43 00-0004	LF	Base, Open Bottom 10" Wide x 15" Deep Pedestrian Trench	88.20	
26 05 43 00-0005	LF	Base, Solid Bottom 10" Wide x 24" Deep Pedestrian Trench	128.09	
26 05 43 00-0006	LF	Base, Open Bottom 10" Wide x 24" Deep Pedestrian Trench	122.49	
26 05 43 00-0007	EA	End Wall, 10" Wide x 15" Deep Pedestrian Trench	62.37	
26 05 43 00-0008	EA	End Wall, 10" Wide x 24" Deep Pedestrian Trench	73.87	
26 05 43 00-0009	LF	Lid, Concrete, 10" Wide Pedestrian Trench	61.49	
26 05 43 00-0010		20" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0011	LF	Base, Solid Bottom 20" Wide x 15" Deep Pedestrian Trench	116.89	
26 05 43 00-0012	LF	Base, Open Bottom 20" Wide x 15" Deep Pedestrian Trench	109.76	
26 05 43 00-0013	LF	Base, Solid Bottom 20" Wide x 24" Deep Pedestrian Trench	158.36	
26 05 43 00-0014	LF	Base, Open Bottom 20" Wide x 24" Deep Pedestrian Trench	151.86	
26 05 43 00-0015	EA	End Wall, 20" Wide x 15" Deep Pedestrian Trench	78.00	
26 05 43 00-0016	EA	End Wall, 20" Wide x 24" Deep Pedestrian Trench	113.67	
26 05 43 00-0017	LF	Lid, Concrete, 20" Wide Pedestrian Trench	76.89	
26 05 43 00-0018		30" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0019	LF	Base, Solid Bottom 30" Wide x 15" Deep Pedestrian Trench	149.25	
26 05 43 00-0020	LF	Base, Open Bottom 30" Wide x 15" Deep Pedestrian Trench	175.37	
26 05 43 00-0021	LF	Base, Solid Bottom 30" Wide x 24" Deep Pedestrian Trench	186.75	
26 05 43 00-0022	LF	Base, Open Bottom 30" Wide x 24" Deep Pedestrian Trench	179.36	
26 05 43 00-0023	EA	End Wall, 30" Wide x 15" Deep Pedestrian Trench	111.93	
26 05 43 00-0024	EA	End Wall, 30" Wide x 24" Deep Pedestrian Trench	151.87	
26 05 43 00-0025	LF	Lid, Concrete, 30" Wide Pedestrian Trench	95.99	
26 05 43 00-0026		40" Wide Pedestrian Trench *(26 05 43 00-0001)*		
26 05 43 00-0027	LF	Base, Solid Bottom 40" Wide x 15" Deep Pedestrian Trench	178.80	
26 05 43 00-0028	LF	Base, Open Bottom 40" Wide x 15" Deep Pedestrian Trench	172.07	
26 05 43 00-0029	LF	Base, Solid Bottom 40" Wide x 24" Deep Pedestrian Trench	218.79	
26 05 43 00-0030	LF	Base, Open Bottom 40" Wide x 24" Deep Pedestrian Trench	210.56	
26 05 43 00-0031	EA	End Wall, 40" Wide x 15" Deep Pedestrian Trench	143.28	
26 05 43 00-0032	EA	End Wall, 40" Wide x 24" Deep Pedestrian Trench	194.16	
26 05 43 00-0033	LF	Lid, Concrete, 40" Wide Pedestrian Trench	113.45	
26 05 43 00-0034		Precast Concrete Trenches, One Piece Medium Vehicle Trench *(26 05 43)* Note: Rated for 7,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0035		**10" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0036	LF	Base, Solid Bottom 10" Wide x 15" Deep Medium Vehicle Trench	112.02	
26 05 43 00-0037	LF	Base, Open Bottom 10" Wide x 15" Deep Medium Vehicle Trench	106.79	
26 05 43 00-0038	LF	Base, Solid Bottom 10" Wide x 24" Deep Medium Vehicle Trench	155.55	
26 05 43 00-0039	LF	Base Open Bottom 10" Wide x 24" Deep Medium Vehicle Trench	148.31	
26 05 43 00-0040	EA	End Wall, 10" Wide x 15" Deep Medium Vehicle Trench	73.37	
26 05 43 00-0041	EA	End Wall, 10" Wide x 24" Deep Medium Vehicle Trench	85.40	
26 05 43 00-0042	LF	Lid, Concrete 10" Wide Medium Vehicle Trench	74.68	
26 05 43 00-0043	LF	Lid, Galvanized Steel 10" Wide Medium Vehicle Trench	332.43	
26 05 43 00-0044		**20" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0045	LF	Base, Solid Bottom 20" Wide x 15" Deep Medium Vehicle Trench	141.05	
26 05 43 00-0046	LF	Base, Open Bottom 20" Wide x 15" Deep Medium Vehicle Trench	131.85	
26 05 43 00-0047	LF	Base, Solid Bottom 20" Wide x 24" Deep Medium Vehicle Trench	190.21	
26 05 43 00-0048	LF	Base Open Bottom 20" Wide x 24" Deep Medium Vehicle Trench	181.81	
26 05 43 00-0049	EA	End Wall, 20" Wide x 15" Deep Medium Vehicle Trench	90.73	
26 05 43 00-0050	EA	End Wall, 20" Wide x 24" Deep Medium Vehicle Trench	132.40	
26 05 43 00-0051	LF	Lid, Concrete 20" Wide Medium Vehicle Trench	93.38	
26 05 43 00-0052	LF	Lid, Galvanized Steel 20" Wide Medium Vehicle Trench	440.86	
26 05 43 00-0053		**30" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0054	LF	Base, Solid Bottom 30" Wide x 15" Deep Medium Vehicle Trench	141.91	
26 05 43 00-0055	LF	Base, Open Bottom 30" Wide x 15" Deep Medium Vehicle Trench	170.28	
26 05 43 00-0056	LF	Base, Solid Bottom 30" Wide x 24" Deep Medium Vehicle Trench	223.01	
26 05 43 00-0057	LF	Base Open Bottom 30" Wide x 24" Deep Medium Vehicle Trench	213.45	
26 05 43 00-0058	EA	End Wall, 30" Wide x 15" Deep Medium Vehicle Trench	129.49	
26 05 43 00-0059	EA	End Wall, 30" Wide x 24" Deep Medium Vehicle Trench	177.86	
26 05 43 00-0060	LF	Lid, Concrete 30" Wide Medium Vehicle Trench	116.89	
26 05 43 00-0061	LF	Lid, Galvanized Steel 30" Wide Medium Vehicle Trench	550.36	
26 05 43 00-0062		**40" Wide Medium Vehicle Trench** *(26 05 43 00-0034)*		
26 05 43 00-0063	LF	Base, Solid Bottom 40" Wide x 15" Deep Medium Vehicle Trench	211.75	
26 05 43 00-0064	LF	Base, Open Bottom 40" Wide x 15" Deep Medium Vehicle Trench	203.06	
26 05 43 00-0065	LF	Base, Solid Bottom 40" Wide x 24" Deep Medium Vehicle Trench	259.21	
26 05 43 00-0066	LF	Base Open Bottom 40" Wide x 24" Deep Medium Vehicle Trench	248.55	
26 05 43 00-0067	EA	End Wall, 40" Wide x 15" Deep Medium Vehicle Trench	165.77	
26 05 43 00-0068	EA	End Wall, 40" Wide x 24" Deep Medium Vehicle Trench	227.35	
26 05 43 00-0069	LF	Lid, Concrete 40" Wide Medium Vehicle Trench	137.61	
26 05 43 00-0070	LF	Lid, Galvanized Steel 40" Wide Medium Vehicle Trench	748.25	
26 05 43 00-0071		**Precast Concrete Trenches, One Piece H20 Road Crossing Trench** *(26 05 43)* Note: H20 Rated for 32,000 Lb. Gross Vehicle Weight. Excludes excavation, removal of dirt and sand bedding.		
26 05 43 00-0072		**10" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0073	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	242.51	
26 05 43 00-0074	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	230.79	
26 05 43 00-0075	LF	Base, Solid Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	302.93	
26 05 43 00-0076	LF	Base, Open Bottom for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	288.14	
26 05 43 00-0077	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	232.85	
26 05 43 00-0078	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	221.69	
26 05 43 00-0079	LF	Base, Solid Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	293.27	
26 05 43 00-0080	LF	Base, Open Bottom for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	279.07	
26 05 43 00-0081	EA	End Wall for Concrete Lid, 10" Wide x 16" Deep Road Crossing Trench	160.34	
26 05 43 00-0082	EA	End Wall for Concrete Lid, 10" Wide x 24" Deep Road Crossing Trench	217.03	
26 05 43 00-0083	EA	End Wall for Galvanized Steel Lid, 10" Wide x 16" Deep Road Crossing Trench	145.01	
26 05 43 00-0084	EA	End Wall for Galvanized Steel Lid, 10" Wide x 24" Deep Road Crossing Trench	201.36	
26 05 43 00-0085	LF	Lid, Concrete 10" Wide Road Crossing Trench	111.90	
26 05 43 00-0086	LF	Lid, Galvanized Steel 10" Wide Road Crossing Trench	360.75	
26 05 43 00-0087		**20" Wide H20 Road Crossing Trench** *(26 05 43 00-0071)*		
26 05 43 00-0088	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	257.05	
26 05 43 00-0089	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	245.02	
26 05 43 00-0090	LF	Base, Solid Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	340.03	
26 05 43 00-0091	LF	Base, Open Bottom for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	323.94	
26 05 43 00-0092	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	257.05	
26 05 43 00-0093	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	245.02	
26 05 43 00-0094	LF	Base, Solid Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	330.37	
26 05 43 00-0095	LF	Base, Open Bottom for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	314.87	
26 05 43 00-0096	EA	End Wall for Concrete Lid, 20" Wide x 16" Deep Road Crossing Trench	229.02	
26 05 43 00-0097	EA	End Wall for Concrete Lid, 20" Wide x 24" Deep Road Crossing Trench	311.67	
26 05 43 00-0098	EA	End Wall for Galvanized Steel Lid, 20" Wide x 16" Deep Road Crossing Trench	206.70	
26 05 43 00-0099	EA	End Wall for Galvanized Steel Lid, 20" Wide x 24" Deep Road Crossing Trench	289.35	
26 05 43 00-0100	LF	Lid, Concrete 20" Wide Road Crossing Trench	124.77	
26 05 43 00-0101	LF	Lid, Galvanized Steel 20" Wide Road Crossing Trench	535.16	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 43 00-0102		30" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
26 05 43 00-0103	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	303.47	
26 05 43 00-0104	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	289.70	
26 05 43 00-0105	LF	Base, Solid Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	375.23	
26 05 43 00-0106	LF	Base, Open Bottom for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	358.13	
26 05 43 00-0107	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	293.80	
26 05 43 00-0108	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	280.61	
26 05 43 00-0109	LF	Base, Solid Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	365.56	
26 05 43 00-0110	LF	Base, Open Bottom for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	348.74	
26 05 43 00-0111	EA	End Wall for Concrete Lid, 30" Wide x 16" Deep Road Crossing Trench	305.43	
26 05 43 00-0112	EA	End Wall for Concrete Lid, 30" Wide x 24" Deep Road Crossing Trench	404.45	
26 05 43 00-0113	EA	End Wall for Galvanized Steel Lid, 30" Wide x 16" Deep Road Crossing Trench	276.11	
26 05 43 00-0114	EA	End Wall for Galvanized Steel Lid, 30" Wide x 24" Deep Road Crossing Trench	375.13	
26 05 43 00-0115	LF	Lid, Concrete 30" Wide Road Crossing Trench	157.94	
26 05 43 00-0116	LF	Lid, Galvanized Steel 30" Wide Road Crossing Trench	671.08	
26 05 43 00-0117		40" Wide H20 Road Crossing Trench *(26 05 43 00-0071)*		
26 05 43 00-0118	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	334.98	
26 05 43 00-0119	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	320.19	
26 05 43 00-0120	LF	Base, Solid Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	412.40	
26 05 43 00-0121	LF	Base, Open Bottom for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	393.83	
26 05 43 00-0122	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	325.32	
26 05 43 00-0123	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	311.12	
26 05 43 00-0124	LF	Base, Solid Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	402.73	
26 05 43 00-0125	LF	Base, Open Bottom for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	384.74	
26 05 43 00-0126	EA	End Wall for Concrete Lid, 40" Wide x 16" Deep Road Crossing Trench	379.03	
26 05 43 00-0127	EA	End Wall for Concrete Lid, 40" Wide x 24" Deep Road Crossing Trench	501.60	
26 05 43 00-0128	EA	End Wall for Galvanized Steel Lid, 40" Wide x 16" Deep Road Crossing Trench	343.05	
26 05 43 00-0129	EA	End Wall for Galvanized Steel Lid, 40" Wide x 24" Deep Road Crossing Trench	465.61	
26 05 43 00-0130	LF	Lid, Concrete 40" Wide Road Crossing Trench	190.76	
26 05 43 00-0131	LF	Lid, Galvanized Steel 40" Wide Road Crossing Trench	912.53	

26 05 46 Utility Poles for Electrical Systems *(26 05)*

26 05 46 00-0001 Wood Poles *(26 05 46)*

26 05 46 00-0002 Wood Pole, Class 3, Penta-Treated To 8 Lb. Retention *(26 05 46 00-0001)*

Note: Machine dig and set.

26 05 46 00-0003	EA	25' Treated Wood Pole, Class 3, Machine Dig And Set	920.25	275.86
		For Class 2 Pole, Add	*73.69*	
		For Class 5 Pole, Deduct	*-110.53*	
		For Class 4 Pole, Deduct	*-36.84*	
		For Class 1 Pole, Add	*128.95*	
		For Class 6 Pole, Deduct	*-147.38*	
26 05 46 00-0004	EA	30' Treated Wood Pole, Class 3, Machine Dig And Set	1,112.40	306.06
		For Class 2 Pole, Add	*100.05*	
		For Class 5 Pole, Deduct	*-150.07*	
		For Class 4 Pole, Deduct	*-50.02*	
		For Class 1 Pole, Add	*175.08*	
		For Class 6 Pole, Deduct	*-200.09*	
26 05 46 00-0005	EA	35' Treated Wood Pole, Class 3, Machine Dig And Set	1,438.51	404.79
		For Class 2 Pole, Add	*125.81*	
		For Class 5 Pole, Deduct	*-188.71*	
		For Class 4 Pole, Deduct	*-62.90*	
		For Class 1 Pole, Add	*220.16*	
		For Class 6 Pole, Deduct	*-251.62*	
26 05 46 00-0006	EA	40' Treated Wood Pole, Class 3, Machine Dig And Set	1,654.25	445.23
		For Class 2 Pole, Add	*152.77*	
		For Class 5 Pole, Deduct	*-229.15*	
		For Class 4 Pole, Deduct	*-76.38*	
		For Class 1 Pole, Add	*267.34*	
		For Class 6 Pole, Deduct	*-305.53*	
26 05 46 00-0007	EA	45' Treated Wood Pole, Class 3, Machine Dig And Set	1,896.47	495.88
		For Class 2 Pole, Add	*180.92*	
		For Class 5 Pole, Deduct	*-271.38*	
		For Class 4 Pole, Deduct	*-90.46*	
		For Class 1 Pole, Add	*316.61*	
		For Class 6 Pole, Deduct	*-361.84*	
26 05 46 00-0008	EA	50' Treated Wood Pole, Class 3, Machine Dig And Set	2,161.42	556.53
		For Class 2 Pole, Add	*209.68*	
		For Class 5 Pole, Deduct	*-314.52*	
		For Class 4 Pole, Deduct	*-104.84*	
		For Class 1 Pole, Add	*366.94*	
		For Class 6 Pole, Deduct	*-419.36*	
26 05 46 00-0009	EA	55' Treated Wood Pole, Class 3, Machine Dig And Set	2,422.48	612.13
		For Class 2 Pole, Add	*239.63*	
		For Class 5 Pole, Deduct	*-359.45*	
		For Class 4 Pole, Deduct	*-119.82*	
		For Class 1 Pole, Add	*419.36*	
		For Class 6 Pole, Deduct	*-479.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0010	EA	60' Treated Wood Pole, Class 3, Machine Dig And Set	2,712.25	673.12
		For Class 2 Pole, Add	*273.18*	
		For Class 5 Pole, Deduct	*-409.77*	
		For Class 4 Pole, Deduct	*-136.59*	
		For Class 1 Pole, Add	*478.07*	
		For Class 6 Pole, Deduct	*-546.36*	
26 05 46 00-0011	EA	65' Treated Wood Pole, Class 3, Machine Dig And Set	4,614.65	733.66
		For Class 2 Pole, Add	*629.46*	
		For Class 5 Pole, Deduct	*-944.19*	
		For Class 4 Pole, Deduct	*-314.73*	
		For Class 1 Pole, Add	*1,101.55*	
		For Class 6 Pole, Deduct	*-1,258.92*	
26 05 46 00-0012	EA	70' Treated Wood Pole, Class 3, Machine Dig And Set	5,079.45	780.44
		For Class 2 Pole, Add	*703.71*	
		For Class 5 Pole, Deduct	*-1,055.57*	
		For Class 4 Pole, Deduct	*-351.86*	
		For Class 1 Pole, Add	*1,231.49*	
		For Class 6 Pole, Deduct	*-1,407.42*	
26 05 46 00-0013	EA	75' Treated Wood Pole, Class 3, Machine Dig And Set	5,594.95	833.56
		For Class 2 Pole, Add	*785.56*	
		For Class 5 Pole, Deduct	*-1,178.33*	
		For Class 4 Pole, Deduct	*-392.78*	
		For Class 1 Pole, Add	*1,374.72*	
		For Class 6 Pole, Deduct	*-1,571.11*	
26 05 46 00-0014		**Removal And Relocation Of Wood Poles With Cross Arm** *(26 05 46 00-0001)*		
26 05 46 00-0015	LF	Removal And Relocation Of Up To 75' Wood Pole With Cross Arms	23.51	
26 05 46 00-0016		**Crossarms** *(26 05 46)* Note: Includes hardware and braces.		
26 05 46 00-0017		**Wood Single Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0018	EA	3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces	209.12	82.27
26 05 46 00-0019	EA	3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces	252.02	82.27
26 05 46 00-0020	EA	3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces	264.15	105.78
26 05 46 00-0021		**Wood Double Arm Crossarms** *(26 05 46 00-0016)*		
26 05 46 00-0022	EA	3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces	535.88	229.20
26 05 46 00-0023	EA	3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces	571.36	229.20
26 05 46 00-0024	EA	3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces	594.00	229.20
26 05 46 00-0025		**Fiberglass Crossarms** *(26 05 46 00-0016)* Note: Includes hardware.		
26 05 46 00-0026		**Single Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0027	EA	Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 Lb.	259.01	
26 05 46 00-0028	EA	Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 Lb.	322.53	49.36
26 05 46 00-0029	EA	Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 Lb.	334.29	52.89
26 05 46 00-0030		**Two Phase, 15 Degree Angle** *(26 05 46 00-0025)*		
26 05 46 00-0031	EA	Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 Lb.	400.20	63.47
26 05 46 00-0032		**Fiberglass Crossarm Accessories** *(26 05 46 00-0025)*		
26 05 46 00-0033	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 Lb. Per Conductor	640.37	81.10
26 05 46 00-0034	EA	Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 Lb. Per Conductor	757.06	98.73
26 05 46 00-0035	EA	Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded	111.36	14.10
26 05 46 00-0036	EA	Three Phase Equipment Mounting Bracket	556.84	70.53
26 05 46 00-0037	EA	Fiberglass Bull Horn Crossarm	428.12	117.54
26 05 46 00-0038		**Insulator Support System** *(26 05 46 00-0016)*		
26 05 46 00-0039		**Epoxy Construction Units, In Place Mounting** *(26 05 46 00-0038)* Note: Includes hardware.		
26 05 46 00-0040	EA	1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting	128.43	
26 05 46 00-0041	EA	1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting	107.27	
26 05 46 00-0042	EA	Deadend Arms, In Place Mounting	330.26	
26 05 46 00-0043	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting	209.35	
26 05 46 00-0044		**Epoxy Construction Units, Grounding Mounting** *(26 05 46 00-0038)* Note: Includes hardware.		
26 05 46 00-0045	EA	1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting	94.41	
26 05 46 00-0046	EA	1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting	84.60	
26 05 46 00-0047	EA	Deadend Arms, Grounding Mounting	307.59	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0048		**Guying** *(26 05 46)* Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		**Down Guy** *(26 05 46 00-0048)*		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole	857.21	329.10
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole	875.85	329.10
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole	914.20	329.10
26 05 46 00-0053	EA	Guy Guard, Plastic	40.47	
26 05 46 00-0054		**Head Guy, 50' Spans** *(26 05 46 00-0048)*		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole	1,214.29	505.40
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole	1,214.29	505.40
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole	1,214.29	505.40
26 05 46 00-0058		**Guy Strain Insulators Additional Insulators** *(26 05 46 00-0048)* Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator	501.47	246.82
26 05 46 00-0060		**Insulators** *(26 05 46)*		
26 05 46 00-0061		**Pin Insulator With Pin** *(26 05 46 00-0060)*		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin	159.26	70.53
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin	164.70	70.53
26 05 46 00-0064		**Suspension Insulator** *(26 05 46 00-0060)* Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp	203.54	94.03
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp	218.34	94.03
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	308.89	117.54
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp	492.87	188.05
26 05 46 00-0069		**Spool Insulator With Clevis** *(26 05 46 00-0060)*		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis	67.77	29.38
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis	218.13	105.78
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis	282.65	105.78
26 05 46 00-0073		**Secondary Rack** *(26 05 46 00-0060)*		
26 05 46 00-0074	EA	1 Spool Secondary Rack	134.48	58.77
26 05 46 00-0075	EA	2 Spool Secondary Rack	139.25	74.99
26 05 46 00-0076	EA	3 Spool Secondary Rack	208.41	99.90
26 05 46 00-0077	EA	4 Spool Secondary Rack	233.88	99.90
26 05 46 00-0078		**Outdoor Load Break Switches** *(26 05 46)* Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		**7.2 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	5,008.42	399.62
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	9,968.58	399.62
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,862.14	675.83
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,105.18	675.83
26 05 46 00-0084		**14.4 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,162.91	399.62
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	11,821.40	399.62
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	14,862.14	675.83
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,105.18	675.83
26 05 46 00-0089		**23 KV Outdoor Load Break Switches** *(26 05 46 00-0078)*		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	6,783.39	464.26
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	12,925.01	464.26
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,480.30	799.24
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator	15,731.30	799.24
26 05 46 00-0094		**Square Distribution Poles** *(26 05 46)*		
26 05 46 00-0095		**Square Steel Tapered Shaft Distribution Poles** *(26 05 46 00-0094)*		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole	3,630.76	499.52
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole	4,058.03	528.91
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole	4,395.58	587.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole	4,866.39	646.45
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole	6,692.50	705.22
26 05 46 00-0101		Square Prestressed Concrete Distribution Poles *(26 05 46 00-0094)*		
26 05 46 00-0102	EA	30', Prestressed Concrete Square Pole For Distribution	5,042.88	892.89
26 05 46 00-0103	EA	35', Prestressed Concrete Square Pole For Distribution	5,725.31	979.29
26 05 46 00-0104	EA	40', Prestressed Concrete Square Pole For Distribution	6,740.10	1,094.51
26 05 46 00-0105	EA	45', Prestressed Concrete Square Pole For Distribution	7,600.75	1,209.72
26 05 46 00-0106	EA	50', Prestressed Concrete Square Pole For Distribution	5,644.84	1,468.95
26 05 46 00-0107	EA	55', Prestressed Concrete Square Pole For Distribution	10,726.87	1,728.17
26 05 46 00-0108	EA	60', Prestressed Concrete Square Pole For Distribution	12,683.85	1,958.59
26 05 46 00-0109	EA	65', Prestressed Concrete Square Pole For Distribution	15,292.17	2,419.43
26 05 46 00-0110	EA	70', Prestressed Concrete Square Pole For Distribution	17,145.78	2,649.86
26 05 46 00-0111		Aluminum Tapered Poles *(26 05 46)*		
26 05 46 00-0112		Aluminum Tapered Round Seamless Shaft Poles *(26 05 46 00-0111)*		
26 05 46 00-0113	EA	20', Aluminum Tapered Round Seamless Shaft Pole For Distribution	3,622.91	440.76
26 05 46 00-0114	EA	25', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,131.93	470.14
26 05 46 00-0115	EA	30', Aluminum Tapered Round Seamless Shaft Pole For Distribution	5,909.71	528.91
26 05 46 00-0116	EA	35', Aluminum Tapered Round Seamless Shaft Pole For Distribution	7,038.23	587.68
26 05 46 00-0117	EA	40', Aluminum Tapered Round Seamless Shaft Pole For Distribution	10,822.66	646.45
26 05 46 00-0118		Steel Service Poles Distribution *(26 05 46)*		
		Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.		
26 05 46 00-0119		Round Tapered Pole *(26 05 46 00-0118)*		
26 05 46 00-0120	EA	40', Galvanized Steel Tapered Round Pole For Distribution	4,978.07	705.22
26 05 46 00-0121	EA	45', Galvanized Steel Tapered Round Pole For Distribution	5,816.47	763.99
26 05 46 00-0122	EA	50', Galvanized Steel Tapered Round Pole For Distribution	6,192.33	822.75
26 05 46 00-0123	EA	55', Galvanized Steel Tapered Round Pole For Distribution	7,307.75	940.28
26 05 46 00-0124	EA	60', Galvanized Steel Tapered Round Pole For Distribution	9,095.55	1,057.82
26 05 46 00-0125	EA	65', Galvanized Steel Tapered Round Pole For Distribution	10,715.16	1,353.73
26 05 46 00-0126	EA	70', Galvanized Steel Tapered Round Pole For Distribution	11,910.85	1,535.76
26 05 46 00-0127	EA	75', Galvanized Steel Tapered Round Pole For Distribution	13,154.03	1,728.17
26 05 46 00-0128	EA	80', Galvanized Steel Tapered Round Pole For Distribution	14,738.43	1,958.59
26 05 46 00-0129	EA	85', Galvanized Steel Tapered Round Pole For Distribution	15,757.09	2,073.80
26 05 46 00-0130	EA	90', Galvanized Steel Tapered Round Pole For Distribution	17,064.24	2,304.22
26 05 46 00-0131	EA	95', Galvanized Steel Tapered Round Pole For Distribution	18,776.33	2,592.26
26 05 46 00-0132	EA	100', Galvanized Steel Tapered Round Pole For Distribution	20,663.46	2,937.89
26 05 46 00-0133		12 Sided Tapered *(26 05 46 00-0118)*		
26 05 46 00-0134	EA	40', Galvanized Steel Tapered 12 Sided Pole For Distribution	8,802.81	705.22
26 05 46 00-0135	EA	45', Galvanized Steel Tapered 12 Sided Pole For Distribution	9,724.07	763.99
26 05 46 00-0136	EA	50', Galvanized Steel Tapered 12 Sided Pole For Distribution	10,782.22	822.75
26 05 46 00-0137	EA	55', Galvanized Steel Tapered 12 Sided Pole For Distribution	11,825.18	940.28
26 05 46 00-0138	EA	60', Galvanized Steel Tapered 12 Sided Pole For Distribution	15,825.22	1,057.82
26 05 46 00-0139	EA	65', Galvanized Steel Tapered 12 Sided Pole For Distribution	17,486.22	1,353.73
26 05 46 00-0140	EA	70', Galvanized Steel Tapered 12 Sided Pole For Distribution	20,273.83	1,535.76
26 05 46 00-0141	EA	75', Galvanized Steel Tapered 12 Sided Pole For Distribution	21,780.61	1,728.17
26 05 46 00-0142	EA	80', Galvanized Steel Tapered 12 Sided Pole For Distribution	23,354.18	1,958.59
26 05 46 00-0143	EA	85', Galvanized Steel Tapered 12 Sided Pole For Distribution	24,740.39	2,073.80
26 05 46 00-0144	EA	90', Galvanized Steel Tapered 12 Sided Pole For Distribution	28,109.80	2,304.22
26 05 46 00-0145	EA	95', Galvanized Steel Tapered 12 Sided Pole For Distribution	29,790.93	2,592.26
26 05 46 00-0146	EA	100', Galvanized Steel Tapered 12 Sided Pole For Distribution	31,750.37	2,937.89
26 05 46 00-0147	EA	105', Galvanized Steel Tapered 12 Sided Pole For Distribution	33,857.27	3,283.53
26 05 46 00-0148		Standard Options For Round, 12 Sided and Octagonal Tapered Poles *(26 05 46 00-0118)*		
26 05 46 00-0149	EA	Ladder Clips	24.55	
26 05 46 00-0150	EA	Coal Tar Epoxy Coating From Base To 1' Above Ground Line	184.22	
26 05 46 00-0151	EA	Ground Sleeve-2' At Ground Line	185.29	
26 05 46 00-0152		Arms With Baseplates And Endplates *(26 05 46 00-0118)*		
26 05 46 00-0153	EA	4' Arm With Baseplate And Endplate	777.41	117.54
26 05 46 00-0154	EA	5' Arm With Baseplate And Endplate	850.95	117.54
26 05 46 00-0155	EA	6' Arm With Baseplate And Endplate	1,042.95	176.30
26 05 46 00-0156	EA	7' Arm With Baseplate And Endplate	1,107.27	176.30
26 05 46 00-0157	EA	8' Arm With Baseplate And Endplate	1,297.45	235.07
26 05 46 00-0158	EA	9' Arm With Baseplate And Endplate	1,370.95	235.07
26 05 46 00-0159	EA	10' Arm With Baseplate And Endplate	1,828.65	293.84
26 05 46 00-0160	EA	11' Arm With Baseplate And Endplate	1,911.16	293.84
26 05 46 00-0161		Standard Vangs Load Bearing At Any Angle *(26 05 46 00-0118)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0162	EA	15,000 Lb. Standard Vangs Load Bearing At Any Angle	295.72	117.54
26 05 46 00-0163	EA	30,000 Lb. Standard Vangs Load Bearing At Any Angle	340.77	117.54
26 05 46 00-0164	EA	45,000 Lb. Standard Vangs Load Bearing At Any Angle	402.38	117.54
26 05 46 00-0165		Armless Construction Brackets *(26 05 46 00-0118)*		
26 05 46 00-0166		Verticals Insulator And Equipment Bracket *(26 05 46 00-0165)*		
26 05 46 00-0167	EA	7" 1 Position Vertical Insulation And Equipment Bracket	303.06	117.54
26 05 46 00-0168	EA	12" 1 Position Vertical Insulation And Equipment Bracket	331.51	117.54
26 05 46 00-0169	EA	12" 3 Position Vertical Insulation And Equipment Bracket	377.72	117.54
26 05 46 00-0170	EA	18" 1 Position Vertical Insulation And Equipment Bracket	525.22	176.30
26 05 46 00-0171	EA	18" 3 Position Vertical Insulation And Equipment Bracket	552.21	176.30
26 05 46 00-0172		Horizontal And Multiple Insulator Brackets *(26 05 46 00-0165)*		
26 05 46 00-0173	EA	Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets	280.91	117.54
26 05 46 00-0174	EA	Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets	340.68	117.54
26 05 46 00-0175	EA	Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets	496.27	176.30
26 05 46 00-0176	EA	Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets	637.34	176.30
26 05 46 00-0177	EA	Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets	813.93	235.07
26 05 46 00-0178	EA	Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets	888.80	235.07
26 05 46 00-0179		Pole Top Bracket And Pins *(26 05 46 00-0165)*		
26 05 46 00-0180	EA	Pole Top Pin - 5"	289.59	117.54
26 05 46 00-0181	EA	Pole Top Bracket - 5"	304.10	117.54
26 05 46 00-0182		Angle Pins *(26 05 46 00-0165)*		
26 05 46 00-0183	EA	Angle Pin - 25 Degree, 6"	287.63	117.54
26 05 46 00-0184	EA	Angle Pin - 25 Degree, 7 1/4"	334.76	117.54
26 05 46 00-0185		Static And Neutral Wire Brackets *(26 05 46 00-0165)*		
26 05 46 00-0186	EA	Neutral Wire Extension Bracket	310.07	117.54
26 05 46 00-0187	EA	Static Wire Support Bracket	315.45	117.54
26 05 46 00-0188		Cutout, Arrestor And Terminator Brackets *(26 05 46 00-0165)*		
26 05 46 00-0189	EA	Cutout And Arrestor, With Mounting Bracket	271.62	117.54
26 05 46 00-0190	EA	Equipment Mounting T Bracket	295.53	117.54
26 05 46 00-0191	EA	15 KV Cutout	405.00	
26 05 46 00-0192	EA	9/10 KV Arrestor	371.35	117.54
26 05 46 00-0193		Spacer Cable, Conduit Support And Cluster Bracket *(26 05 46 00-0165)*		
26 05 46 00-0194	EA	Parallel Cable Spacer	348.67	117.54
26 05 46 00-0195	EA	Conduit Standoff Support Bracket	331.50	117.54
26 05 46 00-0196	EA	Three Transformer Pole Mounted Cluster Bracket	926.64	117.54
26 05 46 00-0197		15 KV, 200 Amperes, Solenoid Operated High Voltage Switch *(26 05 46 00-0165)*		
		Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA	15 KV, 1 Phase, Solenoid Switch With Pole Bracket	2,069.99	293.84
26 05 46 00-0199		Octagonal Tapered *(26 05 46 00-0118)*		
26 05 46 00-0200	EA	40', Galvanized Steel Tapered Octagonal Pole For Distribution	9,087.08	705.22
26 05 46 00-0201	EA	45', Galvanized Steel Tapered Octagonal Pole For Distribution	10,039.37	763.99
26 05 46 00-0202	EA	50', Galvanized Steel Tapered Octagonal Pole For Distribution	11,133.69	822.75
26 05 46 00-0203	EA	55', Galvanized Steel Tapered Octagonal Pole For Distribution	12,207.66	999.05
26 05 46 00-0204	EA	60', Galvanized Steel Tapered Octagonal Pole For Distribution	16,352.43	1,057.82
26 05 46 00-0205	EA	65', Galvanized Steel Tapered Octagonal Pole For Distribution	18,054.78	1,353.73
26 05 46 00-0206	EA	70', Galvanized Steel Tapered Octagonal Pole For Distribution	20,935.43	1,440.14
26 05 46 00-0207	EA	75', Galvanized Steel Tapered Octagonal Pole For Distribution	22,486.14	1,728.17
26 05 46 00-0208	EA	80', Galvanized Steel Tapered Octagonal Pole For Distribution	24,101.05	1,843.39
26 05 46 00-0209	EA	85', Galvanized Steel Tapered Octagonal Pole For Distribution	25,531.21	2,073.80
26 05 46 00-0210	EA	90', Galvanized Steel Tapered Octagonal Pole For Distribution	29,011.74	2,189.01
26 05 46 00-0211	EA	95', Galvanized Steel Tapered Octagonal Pole For Distribution	30,739.39	2,592.26
26 05 46 00-0212	EA	100', Galvanized Steel Tapered Octagonal Pole For Distribution	32,745.35	2,765.07
26 05 46 00-0213	EA	105', Galvanized Steel Tapered Octagonal Pole For Distribution	34,903.94	3,110.70
26 05 46 00-0214		Removal And Relocation Of Steel Service Poles *(26 05 46 00-0118)*		
26 05 46 00-0215	LF	Removal And Relocation Of Steel Service Poles With Arms Up To 60'	41.13	
26 05 46 00-0216		Special Steel Bases For Poles *(26 05 46 00-0118)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0217	EA	Spin-In Steel Base For Poles	266.87	
26 05 46 00-0218	EA	Series 3, 25' Pole And less	298.37	58.77
26 05 46 00-0219	EA	Series 4, 40' Pole And less	356.18	67.58
26 05 46 00-0220	EA	Series 5, 50' Pole And less	408.12	73.46

26 05 53 Identification for Electrical Systems *(26 05)*

26 05 53 00-0001 Conduit Markers Pressure-Sensitive *(26 05 53)*

Note: Stick-on, includes arrow tape.

26 05 53 00-0002	EA	1/2" Outside Diameter Pressure Sensitive Marker Stick-on	12.30	
26 05 53 00-0003	EA	3/4" Outside Diameter Pressure Sensitive Marker Stick-on	12.81	
26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on	13.84	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on	14.04	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	14.24	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on	14.55	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	17.53	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on	17.94	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	18.24	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on	18.56	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on	19.20	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on	19.88	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on	20.49	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on	21.09	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on	23.45	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on	24.57	

26 05 53 00-0018 Labeling Existing Electrical Wires *(26 05 53)*

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Existing Wire	3.15	

26 05 53 00-0020 Equipment Labeling *(26 05 53)*

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable	20.08	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required)	16.07	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required)	24.10	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable)	20.08	

26 05 83 Wiring Connections *(26 05)*

26 05 83 00-0001 Tape Wrapped Compression Connectors *(26 05 83)*

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	14.61	4.59
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	16.11	5.10
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	17.58	5.61
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	20.54	6.13
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	22.09	6.64
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	24.59	7.14
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	26.38	7.65
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	28.79	8.16
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	31.83	9.18
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	33.34	9.70
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	37.44	10.21
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	40.97	10.72
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	45.93	11.73
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt	53.48	13.26

26 05 83 00-0016 One Hole Compression Lugs *(26 05 83)*

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	18.02	13.26
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	18.19	13.26
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	20.62	14.29
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	25.96	15.82
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	36.22	20.41
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	42.11	20.41
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	48.46	20.41
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	59.41	30.61
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	69.39	30.61
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	81.10	30.61
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug	97.67	40.82
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	115.78	61.23
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	132.48	61.23
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	142.31	61.23
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	155.24	71.43
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	169.85	71.43
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	184.45	81.63
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug	218.28	91.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0035		**Two Hole Compression Lugs** *(26 05 83)*		
26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	37.04	17.35
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	39.90	18.47
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	41.91	18.47
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	48.24	21.23
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	59.18	26.53
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	69.15	31.53
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	80.83	36.94
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug	97.36	44.80
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	115.42	53.17
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	132.07	60.72
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	141.87	65.41
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	154.73	70.82
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	169.27	77.35
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	185.36	83.88
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug	230.69	102.05
26 05 83 00-0051		**Tape Wrapped Split Bolt Connectors** *(26 05 83)*		
26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	54.56	40.82
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	59.99	43.88
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	68.46	45.92
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	79.85	51.02
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	94.65	56.13
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	107.36	61.23
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	134.64	66.33
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	144.52	71.43
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	152.46	76.53
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	175.76	84.19
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	199.04	122.45
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	218.65	102.05
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	238.26	137.76
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	267.59	142.87
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Tape Wrapped, Low Voltage, To 600 Volt	306.41	153.07
26 05 83 00-0067		**Cable Termination Lugs Handwrapped, No Stress Cone** *(26 05 83)*		
26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	94.66	40.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.43*	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	104.80	40.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.30*	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	144.66	61.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*34.02*	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	163.51	61.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.25*	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	196.31	76.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*46.39*	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt	275.53	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.78*	
26 05 83 00-0074		**Terminal Blocks** *(26 05 83)*		
		Note: Labor excludes wire termination.		
26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt	945.74	377.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*226.77*	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block	274.28	51.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.97*	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block	305.98	51.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.30*	
26 05 83 00-0078		**Parallel Gutter Tap Or Motor Connection** *(26 05 83)*		
26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	37.03	18.47
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	39.90	18.47
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	41.91	18.47
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	48.24	21.23
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	59.18	26.53
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	69.15	31.53
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	80.83	36.94
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	97.36	44.80
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	115.42	53.17
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	132.07	60.72
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	141.87	65.41
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	154.73	70.82
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	169.27	77.35
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap	169.79	77.35
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover	37.03	18.47
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover	39.90	18.47
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover	41.91	18.47
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover	48.24	21.23
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	59.18	26.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	69.15	31.53
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	80.83	36.94
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover	97.36	44.80
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover	115.42	53.17
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover	132.07	60.72
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover	141.87	65.41
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover	154.73	70.82
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover	169.27	77.35
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover	169.79	77.35

26 05 83 00-0107 Copper Mechanical Lugs *(26 05 83)*

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs	29.71	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.66*	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs	35.61	15.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.24*	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs	41.11	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs	54.06	22.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.67*	
26 05 83 00-0112	EA	1/0 Copper Mechanical Lugs	72.82	30.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 05 83 00-0113	EA	2/0 Copper Mechanical Lugs	87.20	35.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*21.34*	
26 05 83 00-0114	EA	3/0 Copper Mechanical Lugs	102.29	40.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 05 83 00-0115	EA	4/0 Copper Mechanical Lugs	116.73	45.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.47*	
26 05 83 00-0116	EA	250 MCM Copper Mechanical Lugs	134.25	51.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.61*	
26 05 83 00-0117	EA	300 MCM Copper Mechanical Lugs	151.52	56.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.69*	
26 05 83 00-0118	EA	350 MCM Copper Mechanical Lugs	168.74	61.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 05 83 00-0119	EA	400 MCM Copper Mechanical Lugs	185.83	66.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.77*	
26 05 83 00-0120	EA	500 MCM Copper Mechanical Lugs	203.19	71.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.86*	
26 05 83 00-0121	EA	750 MCM Copper Mechanical Lugs	230.12	81.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.83*	
26 05 83 00-0122	EA	1,000 MCM Copper Mechanical Lugs	260.64	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	

26 05 83 00-0123 Gel Connectors *(26 05 83)*

26 05 83 00-0124	EA	3 Port, #14 to 2/0, Push On Gel Stub Splice Kit Note: Kit contains connector, gel filled cap and cap clamp.	67.18	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.07*	
26 05 83 00-0125	EA	4 Port, #14 to 2, Gel Tap Splice Kit	64.21	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.68*	

26 05 83 00-0126 Other Connections *(26 05 83)*

26 05 83 00-0127	EA	#14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	10.39	4.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 83 00-0128	EA	#12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	10.50	4.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	
26 05 83 00-0129	EA	#10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape	10.61	4.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2.80*	

26 05 83 00-0130 Motor/Equipment Connections And Terminations *(26 05 83)*

Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.

26 05 83 00-0131 AC Single Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0132	EA	<1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.45	25.51
26 05 83 00-0133	EA	1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.00	25.51
26 05 83 00-0134	EA	3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.75	30.61
26 05 83 00-0135	EA	1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.04	38.27
26 05 83 00-0136	EA	1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.95	38.27
26 05 83 00-0137	EA	2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	92.13	38.27
26 05 83 00-0138	EA	3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	95.10	38.27
26 05 83 00-0139	EA	5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	120.98	51.02
26 05 83 00-0140	EA	7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	124.32	51.02
26 05 83 00-0141	EA	10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.30	63.78

26 05 83 00-0142 AC Three Phase, 230 Volt *(26 05 83 00-0130)*

26 05 83 00-0143	EA	1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.00	25.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0144	EA	3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.75	30.61
26 05 83 00-0145	EA	1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.04	38.27
26 05 83 00-0146	EA	1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.95	38.27
26 05 83 00-0147	EA	2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	92.13	38.27
26 05 83 00-0148	EA	3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	95.10	38.27
26 05 83 00-0149	EA	5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	120.98	51.02
26 05 83 00-0150	EA	7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	124.32	51.02
26 05 83 00-0151	EA	10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.30	63.78
26 05 83 00-0152	EA	15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.81	63.78
26 05 83 00-0153	EA	20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	205.08	76.53
26 05 83 00-0154	EA	25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	211.94	76.53
26 05 83 00-0155	EA	30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	289.74	102.05
26 05 83 00-0156	EA	40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	363.30	127.55
26 05 83 00-0157	EA	50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	427.49	153.07
26 05 83 00-0158	EA	60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	509.70	178.58
26 05 83 00-0159	EA	75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	586.14	204.10
26 05 83 00-0160	EA	100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	727.04	255.12
26 05 83 00-0161	EA	125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	858.11	303.59
26 05 83 00-0162	EA	150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,017.57	354.10
26 05 83 00-0163	EA	200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,443.89	531.05

26 05 83 00-0164 AC Three Phase, 460 Volt *(26 05 83 00-0130)*

26 05 83 00-0165	EA	1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.00	25.51
26 05 83 00-0166	EA	3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	74.75	30.61
26 05 83 00-0167	EA	1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.04	38.27
26 05 83 00-0168	EA	1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	91.95	38.27
26 05 83 00-0169	EA	2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	92.13	38.27
26 05 83 00-0170	EA	3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	95.10	38.27
26 05 83 00-0171	EA	5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	120.98	51.02
26 05 83 00-0172	EA	7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	124.32	51.02
26 05 83 00-0173	EA	10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	157.30	63.78
26 05 83 00-0174	EA	15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	161.81	63.78
26 05 83 00-0175	EA	20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	205.09	76.53
26 05 83 00-0176	EA	25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	211.93	76.53
26 05 83 00-0177	EA	30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	289.74	102.05
26 05 83 00-0178	EA	40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	363.60	127.77
26 05 83 00-0179	EA	50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	427.49	153.07
26 05 83 00-0180	EA	60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	509.70	178.58
26 05 83 00-0181	EA	75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	586.14	204.10
26 05 83 00-0182	EA	100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	727.04	255.12
26 05 83 00-0183	EA	125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	858.39	303.69
26 05 83 00-0184	EA	150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,017.97	354.30
26 05 83 00-0185	EA	200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing	1,444.77	531.46

26 05 83 00-0186 AC Single Phase, 120 Volt *(26 05 83 00-0130)*

26 05 83 00-0187	EA	1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing	64.45	25.51

26 05 83 00-0188 Motor Moisture Sensor *(26 05 83 00-0130)*

26 05 83 00-0189	EA	Motor Moisture Sensor Located In Winding	773.66	

26 09 Instrumentation and Control for Electrical Systems *(26)*

Note: Includes testing of new devices and certification.

26 09 23 Lighting Control Devices *(26 09)*

26 09 23 00-0001 Lighting Contactors *(26 09 23)*

Note: Up to 600 volt.

26 09 23 00-0002 Electrically Held, Lighting Contactors *(26 09 23 00-0001)*

26 09 23 00-0003 NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0004 2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0005	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	521.01	81.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.98*	
26 09 23 00-0006	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	651.52	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0007	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,244.01	142.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.72*	
26 09 23 00-0008	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,961.32	193.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.33*	
26 09 23 00-0009	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,210.66	255.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.07*	

26 09 23 00-0010 3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0011	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	588.68	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0012	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	713.22	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0013	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,339.87	163.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.97*	
26 09 23 00-0014	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,114.19	214.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.58*	
26 09 23 00-0015	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	4,514.28	280.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.38*	

26 09 23 00-0016 4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0003)*

26 09 23 00-0017	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	698.27	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0018	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	846.64	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0019	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	1,632.29	183.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.21*	
26 09 23 00-0020	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	2,547.16	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.82*	
26 09 23 00-0021	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor	5,806.65	306.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.68*	

26 09 23 00-0022 NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0023 2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0024	EA	30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	882.56	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0025	EA	60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,817.54	142.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.72*	
26 09 23 00-0026	EA	100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,752.52	193.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.33*	

26 09 23 00-0027 3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0028	EA	30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,284.80	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0029	EA	60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,989.16	163.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.97*	
26 09 23 00-0030	EA	100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	3,033.02	214.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.58*	
26 09 23 00-0031	EA	200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	7,166.28	280.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.38*	

26 09 23 00-0032 4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0022)*

26 09 23 00-0033	EA	30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,202.51	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0034	EA	60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	1,984.08	183.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.21*	
26 09 23 00-0035	EA	100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor	2,724.84	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.82*	

26 09 23 00-0036 NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*

26 09 23 00-0037 2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*

26 09 23 00-0038	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	901.31	81.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.98*	
26 09 23 00-0039	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,155.72	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0040	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,249.47	142.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.72*	
26 09 23 00-0041	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,389.41	193.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.33*	
26 09 23 00-0042	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,648.13	255.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.07*	

26 09 23 00-0043 3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*

26 09 23 00-0044	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	929.23	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0045	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,217.42	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0046	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	2,348.27	163.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.97*	
26 09 23 00-0047	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,541.29	214.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.58*	
26 09 23 00-0048	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	6,950.76	280.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.38*	

26 09 23 00-0049 4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0036)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0050	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,002.29	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0051	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	1,350.85	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0052	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	3,032.85	183.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.21*	
26 09 23 00-0053	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	4,366.41	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.82*	
26 09 23 00-0054	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor	9,324.27	306.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.68*	
26 09 23 00-0055		NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0002)*		
26 09 23 00-0056		2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0057	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,767.64	142.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.72*	
26 09 23 00-0058	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,933.36	193.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.33*	
26 09 23 00-0059	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	3,639.51	255.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.07*	
26 09 23 00-0060		3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0061	EA	60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,950.73	163.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.97*	
26 09 23 00-0062	EA	100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	4,177.43	214.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.58*	
26 09 23 00-0063		4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors *(26 09 23 00-0055)*		
26 09 23 00-0064	EA	60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	1,457.57	183.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.21*	
26 09 23 00-0065	EA	100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor	2,026.86	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.82*	
26 09 23 00-0066		Mechanically Held, Lighting Contactors *(26 09 23 00-0001)*		
26 09 23 00-0067		NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0068		2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0069	EA	20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	798.18	81.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.98*	
26 09 23 00-0070	EA	30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	909.02	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0071	EA	60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,745.26	142.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.72*	
26 09 23 00-0072	EA	100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,436.04	193.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.33*	
26 09 23 00-0073	EA	200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	5,751.77	255.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.07*	
26 09 23 00-0074		3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0075	EA	20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	849.73	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0076	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	972.69	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0077	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,844.07	163.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.97*	
26 09 23 00-0078	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,589.89	214.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.58*	
26 09 23 00-0079	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	6,473.10	280.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.38*	
26 09 23 00-0080		4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0067)*		
26 09 23 00-0081	EA	20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	915.27	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0082	EA	30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	1,034.37	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0083	EA	60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	2,163.03	183.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.21*	
26 09 23 00-0084	EA	100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	3,051.36	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.82*	
26 09 23 00-0085	EA	200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor	7,839.18	306.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0086		NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0087		2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0088	EA	20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,226.82	81.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.98*	
26 09 23 00-0089	EA	30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,413.23	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0090	EA	60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,753.67	142.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.72*	
26 09 23 00-0091	EA	100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,864.12	193.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.33*	
26 09 23 00-0092	EA	200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,187.28	255.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.07*	
26 09 23 00-0093		3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0094	EA	20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,292.34	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0095	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,476.89	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0096	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	2,852.48	163.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*97.97*	
26 09 23 00-0097	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,018.95	214.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.58*	
26 09 23 00-0098	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	8,910.57	280.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.38*	
26 09 23 00-0099		4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0086)*		
26 09 23 00-0100	EA	20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,363.25	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0101	EA	30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	1,538.57	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0102	EA	60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	3,563.59	183.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.21*	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	4,870.62	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.82*	
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor	11,285.06	306.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.68*	
26 09 23 00-0105		NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0066)*		
26 09 23 00-0106		2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	739.43	91.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,382.59	163.28
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.72*	
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	1,884.38	193.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*116.33*	
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	4,505.82	255.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.07*	
26 09 23 00-0111		3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	784.83	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0113		4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors *(26 09 23 00-0105)*		
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor	6,101.43	306.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.68*	
26 09 23 00-0115		Combination Lighting Contactors *(26 09 23)* Note: Up to 600 volt.		
26 09 23 00-0116		Electrically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0117		NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0118		3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0117)*		
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,573.46	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,464.47	179.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,018.57	235.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.44*	
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,424.11	308.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.21*	
26 09 23 00-0123		NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0116)*		
26 09 23 00-0124		3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors *(26 09 23 00-0123)*		
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,916.53	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,534.35	179.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.76*	
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	7,630.55	235.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.44*	
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch	12,044.50	308.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.21*	
26 09 23 00-0129		Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0115)*		
26 09 23 00-0130		NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0131		3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0130)*		
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	1,726.79	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	2,995.21	179.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.76*	
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	4,521.30	235.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.44*	
26 09 23 00-0135	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,852.69	308.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.21*	
26 09 23 00-0136		NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0129)*		
26 09 23 00-0137		3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors *(26 09 23 00-0136)*		
26 09 23 00-0138	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	3,071.33	112.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*67.35*	
26 09 23 00-0139	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	5,068.04	179.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*107.76*	
26 09 23 00-0140	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	8,134.75	235.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.44*	
26 09 23 00-0141	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch	13,473.07	308.69
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.21*	
26 09 23 00-0142		Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket *(26 09 23)*		
26 09 23 00-0143	EA	105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	134.17	26.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 09 23 00-0144	EA	105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket	147.60	26.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 09 23 00-0145		Dimming Module System (Lutron Grafik Eye) *(26 09 23)*		
26 09 23 00-0146	EA	2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)	1,754.31	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0147	EA	4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)	2,280.81	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0148	EA	6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)	2,816.70	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.23*	
26 09 23 00-0149		Dimming Module Contol (Leviton) *(26 09 23)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0150	EA	5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)	227.19	12.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 09 23 00-0151		Light Control Panels *(26 09 23)*		
26 09 23 00-0152		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0151)*		
26 09 23 00-0153		Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0154	EA	4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4)	2,044.23	143.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.88*	
26 09 23 00-0155	EA	8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8)	1,904.77	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0156	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G)	2,154.59	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0157	EA	8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)	3,272.56	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0158	EA	8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G)	3,565.85	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0159	EA	4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4)	2,284.49	143.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.88*	
26 09 23 00-0160	EA	8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8)	2,451.46	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0161	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)	2,744.46	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0162	EA	8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)	3,389.77	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0163	EA	8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G)	3,683.05	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0164		Accessories For Lighting Control Panels (Watt Stopper) *(26 09 23 00-0152)*		
26 09 23 00-0165	EA	Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2)	190.40	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 09 23 00-0166	EA	Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)	146.03	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0167	EA	Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2)	70.66	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0168		Lighting Control Panels (Synergy) *(26 09 23 00-0151)*		
26 09 23 00-0169		Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0170	EA	8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S)	2,788.18	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0171		Accessories For Lighting Control Panels (Synergy) *(26 09 23 00-0168)*		
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL)	689.58	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20)	266.94	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT)	146.67	15.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 09 23 00-0175		Lighting Switching Panels (Lutron) *(26 09 23 00-0151)*		
26 09 23 00-0176		Lighting Switching Panels (Lutron) *(26 09 23 00-0175)*		
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT)	2,255.32	153.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.02*	
26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT)	3,114.35	163.60
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*98.15*	
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT)	4,097.38	173.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*104.29*	
26 09 23 00-0180		Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera) *(26 09 23 00-0151)*		
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z)	1,489.10	143.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.88*	
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z)	1,707.79	143.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.88*	
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z)	1,926.48	143.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*85.88*	
26 09 23 00-0184		Power Filters *(26 09 23 00-0151)*		
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure	41,904.08	850.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure	24,861.45	369.71
26 09 23 00-0187		**Signal Filters** *(26 09 23 00-0151)*		
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case	18,967.59	773.10
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case	13,005.86	472.47
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case	7,249.19	274.30
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case	9,929.41	274.30
26 09 23 00-0192		**Lighting Control Devices (Encelium)** *(26 09 23)*		
26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D) Note: Excludes GB II cable.	16,510.79	102.25
26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U) Note: Excludes GB II and Ethernet cable.	7,519.60	102.25
26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT) Note: Excludes GB II and Ethernet cable.	3,888.48	102.25
26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT) Note: Excludes GB II and Ethernet cable.	16,608.21	102.25
26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK) Note: Excludes GB II cable.	124.47	12.78
26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR) Note: Excludes GB II cable.	196.41	12.78
26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK) Note: Excludes GB II cable.	242.30	25.56
26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy-Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR) Note: Excludes GB II cable.	295.18	25.56
26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK) Note: Excludes GB II cable.	150.03	25.56
26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR) Note: Excludes GB II cable.	221.97	25.56
26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700) Note: Excludes cable.	565.96	51.12
26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700)	418.17	51.12
26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800)	789.70	51.12
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700)	251.15	51.12
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042) Note: Excludes cable.	888.67	51.12
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600) Note: Excludes cable.	9,497.58	204.49
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT) Note: Excludes cable.	7,085.15	51.12
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH) Note: Includes white finish. Excludes GB II cable.	259.46	12.78
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	317.90	12.78
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH) Note: Includes white finish. Excludes GB II cable.	303.80	12.78
26 09 23 00-0213	EA	5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) Note: Includes white finish. Excludes GB II cable.	317.90	12.78
26 09 23 00-0214	EA	6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH) Note: Includes white finish. Excludes GB II cable.	303.80	12.78
26 09 23 00-0215	EA	Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) Note: Includes white finish. Excludes GB II cable.	227.86	12.78
26 09 23 00-0216	EA	Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT) Note: Includes white finish. Excludes GB II cable.	317.90	12.78
26 09 23 00-0217	EA	3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) Note: Includes white finish. Excludes GB II cable.	303.80	12.78
26 09 23 00-0218	EA	Wired Key Switch Controller (Encelium KSW-300) Note: Excludes GB II cable.	222.18	12.78
26 09 23 00-0219	EA	Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) Note: Includes white finish.	90.65	12.78
26 09 23 00-0220	EA	1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2)	65.91	25.56
26 09 23 00-0221	EA	1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2)	66.53	25.56
26 09 23 00-0222	EA	5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2)	71.51	25.56
26 09 23 00-0223	EA	10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2)	76.43	25.56
26 09 23 00-0224	EA	15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2)	82.30	25.56
26 09 23 00-0225	EA	20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2)	87.59	25.56
26 09 23 00-0226	EA	25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2)	94.09	25.56
26 09 23 00-0227	EA	50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2)	123.48	25.56
26 09 23 00-0228	EA	1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2)	866.33	25.56
26 09 23 00-0229	EA	Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2)	200.27	25.56
26 09 23 00-0230	EA	1,000' Box, Category 5, Network Cable (Encelium NWC-400-B)	1,122.28	25.56
26 09 23 00-0231	EA	Indoor Wired Photo Sensor (Encelium PHS-700) Note: Excludes GB II cable.	637.84	51.12
26 09 23 00-0232	EA	Outdoor Wired Photo Sensor (Encelium PHS-800) Note: Excludes GB II cable.	637.84	51.12
26 09 23 00-0233	EA	Skylight Wired Photo Sensor (Encelium PHS-900) Note: Excludes GB II cable.	637.84	51.12
26 09 23 00-0234	EA	450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450) Note: Excludes GB II cable.	319.36	51.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0235	EA	1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500) Note: Excludes GB II cable.	308.68	51.12
26 09 23 00-0236	EA	2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00) Note: Excludes GB II cable.	315.80	51.12
26 09 23 00-0237	EA	High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY) Note: Excludes GB II cable.	351.39	51.12
26 09 23 00-0238	EA	Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) Note: Excludes GB II cable.	315.80	51.12
26 09 23 00-0239	EA	120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) Note: Excludes GB II cable.	244.63	51.12
26 09 23 00-0240	EA	High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPEM24V) Note: Excludes GB II cable.	260.90	51.12
26 09 23 00-0241	EA	High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V) Note: Excludes GB II cable.	260.90	51.12
26 09 23 00-0242	EA	360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLENS360) Note: Excludes GB II cable.	125.31	51.12
26 09 23 00-0243	EA	Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24) Note: Excludes GB II cable.	324.61	51.12
26 09 23 00-0244	EA	Hallway, Wired Occupancy Sensor (Encelium HW-13) Note: Excludes GB II cable.	469.70	51.12
26 09 23 00-0245	EA	500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500) Note: Excludes GB II cable.	408.34	51.12
26 09 23 00-0246	EA	1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000) Note: Excludes GB II cable.	436.81	51.12
26 09 23 00-0247	EA	2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000) Note: Excludes GB II cable.	451.06	51.12
26 09 23 00-0248	EA	1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200) Note: Excludes GB II cable.	404.78	51.12
26 09 23 00-0249	EA	120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) Note: Excludes GB II cable.	333.61	51.12
26 09 23 00-0250	EA	500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W) Note: Excludes GB II cable.	423.65	51.12
26 09 23 00-0251	EA	1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W) Note: Excludes GB II cable.	419.92	51.12
26 09 23 00-0252	EA	2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W) Note: Excludes GB II cable.	468.49	51.12
26 09 23 00-0253	EA	1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W) Note: Excludes GB II cable.	453.56	51.12
26 09 23 00-0254	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24) Note: Excludes GB II cable.	490.05	51.12
26 09 23 00-0255	EA	Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV) Note: Excludes GB II cable.	453.70	51.12
26 09 23 00-0256	EA	Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) Note: Excludes GB II cable.	453.70	51.12
26 09 23 00-0257	EA	10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C)	289.68	51.12
26 09 23 00-0258	EA	10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C)	312.05	51.12
26 09 23 00-0259	EA	20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P)	565.46	51.12
26 09 23 00-0260	EA	20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P)	606.54	51.12
26 09 23 00-0261	EA	10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D)	440.83	51.12
26 09 23 00-0262	EA	10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D)	460.68	51.12
26 09 23 00-0263	EA	24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2) Note: Excludes GB II cable and enclosure.	1,343.45	102.25
26 09 23 00-0264	EA	24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) Note: Excludes GB II cable.	4,153.48	408.97
26 09 23 00-0265	EA	12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) Note: Excludes GB II cable.	6,154.80	408.97
26 09 23 00-0266	EA	24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) Note: Excludes GB II cable.	8,156.10	408.97
26 09 23 00-0267	EA	Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2) Note: Excludes GB II cable.	671.73	51.12
26 09 23 00-0268	EA	Wired DALI Bridge (Encelium EN-DB-1L-GB2) Note: Excludes GB II cable.	773.43	51.12
26 09 23 00-0269	EA	Wireless Manager (Encelium EN-WM-ZB-P3D) Note: Includes white finish.	2,136.10	51.12
26 09 23 00-0270	EA	Wireless Control Module (Encelium EN-WCM-ZB)	281.62	25.56
26 09 23 00-0271	EA	Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR)	335.86	25.56
26 09 23 00-0272	EA	Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK)	337.21	25.56
26 09 23 00-0273	EA	Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR)	350.00	25.56
26 09 23 00-0274	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0275	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0276	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0277	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0278	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	256.06	12.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0279	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	264.87	12.78
26 09 23 00-0280	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	549.70	51.12
26 09 23 00-0281	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	332.75	51.12
26 09 23 00-0282	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	332.75	51.12
26 09 23 00-0283	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	386.99	51.12
26 09 23 00-0284	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	386.99	51.12
26 09 23 00-0285	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0286	EA	3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0287	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0288	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0289	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0290	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW) Note: Includes white finish.	264.87	12.78
26 09 23 00-0291	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	549.70	51.12
26 09 23 00-0292	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)	256.06	12.78
26 09 23 00-0293	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH)	256.06	12.78
26 09 23 00-0294	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)	256.06	12.78
26 09 23 00-0295	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	264.87	12.78
26 09 23 00-0296	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	549.70	51.12
26 09 23 00-0297	EA	450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB)	332.75	51.12
26 09 23 00-0298	EA	1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB)	332.75	51.12
26 09 23 00-0299	EA	1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR)	386.99	51.12
26 09 23 00-0300	EA	450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR)	386.99	51.12
26 09 23 00-0301	EA	2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0302	EA	3 Scene Control, Wireless, Wall Station (Encelium EN-WS-SC3-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0303	EA	3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0304	EA	5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0305	EA	6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH) Note: Includes white finish.	256.06	12.78
26 09 23 00-0306	EA	Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)	264.87	12.78
26 09 23 00-0307	EA	315 MHz, Wireless Photocell (Encelium TAP-17C)	549.70	51.12
26 09 23 00-0308	EA	Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB)	133.43	51.12
26 09 23 00-0309	EA	Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit)	728.12	51.12
26 09 23 00-0310		Lighting Control Sensors *(26 09 23)*		
26 09 23 00-0311	EA	DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI)	390.40	23.00
26 09 23 00-0312	EA	DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI)	390.40	23.00
26 09 23 00-0313	EA	Smart Multi-sensor (LG 9SD131VVDA.ALWB000)	340.41	23.00
26 09 23 00-0314	EA	Zigbee Dongle (LG 9CM2315VD2.AWP01U)	100.79	15.34
26 09 23 00-0315	EA	Clip for Performance Troffer (LG BKTTR015122.BUAAWAA)	7.20	
26 09 23 00-0316	EA	Clip for Downlight (BKTCE015123.BUAAWAA)	66.46	
26 09 23 00-0317	EA	Clip for Tube (LG BKTTU015121.BUAAWAA)	10.84	
26 09 23 00-0318		Radio Controlled Devices (Lutron) *(26 09 23)*		
26 09 23 00-0319		Tabletop Transmitters For Radio Controlled Devices *(26 09 23 00-0318)*		
26 09 23 00-0320		Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0321	EA	One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH)	524.33	15.34
26 09 23 00-0322	EA	Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH)	683.94	15.34
26 09 23 00-0323	EA	Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH)	863.50	15.34
26 09 23 00-0324		Dimmable Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0325	EA	One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH)	524.33	15.34
26 09 23 00-0326	EA	Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH)	624.09	15.34
26 09 23 00-0327	EA	Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH)	863.50	15.34
26 09 23 00-0328	EA	One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH)	524.33	15.34
26 09 23 00-0329	EA	Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH)	683.94	15.34
26 09 23 00-0330	EA	Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH)	863.50	15.34
26 09 23 00-0331		Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter *(26 09 23 00-0319)*		
26 09 23 00-0332	EA	One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH)	683.94	15.34
26 09 23 00-0333	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH)	863.50	15.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0334	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH)	863.50	15.34
26 09 23 00-0335		**Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0336	EA	One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH)	524.33	15.34
26 09 23 00-0337	EA	Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH)	683.94	15.34
26 09 23 00-0338	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH)	624.09	15.34
26 09 23 00-0339	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH)	763.75	15.34
26 09 23 00-0340	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH)	683.94	15.34
26 09 23 00-0341	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH)	823.60	15.34
26 09 23 00-0342	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH)	683.94	15.34
26 09 23 00-0343		**Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0344	EA	One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH)	524.33	15.34
26 09 23 00-0345	EA	Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH)	683.94	15.34
26 09 23 00-0346	EA	One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH)	683.94	15.34
26 09 23 00-0347	EA	Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH)	863.50	15.34
26 09 23 00-0348	EA	One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH)	683.94	15.34
26 09 23 00-0349	EA	One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH)	863.50	15.34
26 09 23 00-0350		**Output Switch Closure Controls, Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0351	EA	Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH)	524.33	15.34
26 09 23 00-0352	EA	Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH)	683.94	15.34
26 09 23 00-0353	EA	Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH)	863.50	15.34
26 09 23 00-0354		**Accessories For Tabletop Wireless Transmitter** *(26 09 23 00-0319)*		
26 09 23 00-0355	EA	Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH)	105.36	15.34
26 09 23 00-0356		**Wall Box Transmitters For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0357	EA	On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH)	484.43	15.34
26 09 23 00-0358	EA	Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH)	524.33	15.34
26 09 23 00-0359	EA	Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH)	524.33	15.34
26 09 23 00-0360	EA	Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH)	524.33	15.34
26 09 23 00-0361	EA	Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH)	524.33	15.34
26 09 23 00-0362	EA	Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH)	524.33	15.34
26 09 23 00-0363		**Interfaces For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	484.43	15.34
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000)	484.43	15.34
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000)	484.43	15.34
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8)	991.19	15.34
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232)	1,422.13	15.34
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI)	1,422.13	15.34
26 09 23 00-0370		**Fluorescent Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW)	624.09	15.34
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F)	703.89	15.34
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC)	823.60	15.34
26 09 23 00-0374		**AC Motor Group Controllers For Radio Controlled Devices** *(26 09 23 00-0318)*		
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC)	923.35	15.34
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC)	1,272.50	15.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0377		RF Wireless Technology, Switches And Dimmers (Lutron® Maestro Wireless®) *(26 09 23)*		
26 09 23 00-0378		RF Wireless Technology, Switches (Lutron® Maestro Wireless®) *(26 09 23 00-0377)*		
26 09 23 00-0379	EA	6 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Electronic Switch (Lutron® Maestro Wireless® MRF2-6ANS)	132.73	20.45
26 09 23 00-0380	EA	8 Amperes Lighting, 5.8 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8ANS-120)	158.13	20.45
26 09 23 00-0381	EA	8 Amperes Lighting, 3 Amperes Fan, RF Wireless Technology, Spec Grade Electronic Switch (Lutron® Maestro Wireless® MRF2-8S-DV)	252.80	20.45
26 09 23 00-0382	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS)	90.35	20.45
26 09 23 00-0383	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MA-AS-277)	112.54	20.45
26 09 23 00-0384	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS)	99.67	20.45
26 09 23 00-0385	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Switch (Lutron® Maestro Wireless® MSC-AS-277)	122.31	20.45
26 09 23 00-0386		RF Wireless Technology, Dimmers (Lutron® Maestro Wireless®) *(26 09 23 00-0377)*		
26 09 23 00-0387	EA	600 Watt, 120 Volt, RF Wireless Technology, Incandescent Dimmer (Lutron® Maestro Wireless® MRF2-600M)	126.87	20.45
26 09 23 00-0388	EA	600 Watt, 120 Volt, RF Wireless Technology, Magnetic Low Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6MLV)	138.59	20.45
26 09 23 00-0389	EA	600 Watt, 120 Volt, RF Wireless Technology, Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-6ND-120)	167.90	20.45
26 09 23 00-0390	EA	1,000 Watt, 120 Volt, RF Wireless Technology, Spec Grade Dimmer (Lutron® Maestro Wireless® MRF2-10D-120)	178.12	25.56
26 09 23 00-0391	EA	600 Watt, 120 Volt, RF Wireless Technology, Electronic Low-Voltage Dimmer (Lutron® Maestro Wireless® MRF2-6ELV-120)	225.53	20.45
26 09 23 00-0392	EA	120 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R)	67.76	20.45
26 09 23 00-0393	EA	277 Volt, Claro® Gloss Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MA-R-277)	83.88	20.45
26 09 23 00-0394	EA	120 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD)	73.64	20.45
26 09 23 00-0395	EA	277 Volt, Satin Colors® Satin Finish, RF Wireless Technology, Companion Dimmer (Lutron® Maestro Wireless® MSC-AD-277)	89.74	20.45
26 09 23 00-0396	EA	6 Amperes, 120/277 Volt, RF Wireless Technology, 3-Wire Fluorescent Spec Grade Neutral Wire Dimmer (Lutron® Maestro Wireless® MRF2-F6AN-DV)	247.41	35.78
26 09 23 00-0397		Removal And Reinstallation Of Occupancy Sensors *(26 09 23)*		
26 09 23 00-0398	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor Note: Includes storing and cleaning.	69.01	
26 09 23 00-0399	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor Note: Includes storing and cleaning.	46.01	
26 09 23 00-0400		Occupancy Sensors (Watt Stopper) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0401		Occupancy Sensors *(26 09 23 00-0400)* Note: Exclude boxes.		
26 09 23 00-0402		Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0401)*		
26 09 23 00-0403		Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*		
26 09 23 00-0404	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100)	143.87	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0405	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200)	171.20	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0406		Passive Infrared, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*		
26 09 23 00-0407	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100)	117.44	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0408	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS)	109.16	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0409	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100)	124.62	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0410	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200)	145.52	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0411	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD)	143.80	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0412		Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors *(26 09 23 00-0402)*		
26 09 23 00-0413	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100)	212.82	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0414	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200)	230.11	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0415		**Wall Switch Mounted Occupancy Sensor Accessories** *(26 09 23 00-0402)*		
26 09 23 00-0416	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	6.76	2.55
26 09 23 00-0417	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.14	2.55
26 09 23 00-0418	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP)	8.14	2.55
26 09 23 00-0419		**Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0401)*		
26 09 23 00-0420		**Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0421		**25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0420)*		
26 09 23 00-0422	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A)	182.82	23.00
26 09 23 00-0423	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A)	212.55	23.00
26 09 23 00-0424	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A)	242.50	23.00
26 09 23 00-0425	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H)	239.79	23.00
26 09 23 00-0426		**32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0420)*		
26 09 23 00-0427	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605)	200.42	23.00
26 09 23 00-0428	EA	1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105)	230.57	23.00
26 09 23 00-0429	EA	2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205)	259.12	23.00
26 09 23 00-0430	EA	90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255)	263.95	23.00
26 09 23 00-0431	EA	600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600)	218.44	23.00
26 09 23 00-0432	EA	1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100)	249.34	23.00
26 09 23 00-0433	EA	2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200)	280.12	23.00
26 09 23 00-0434	EA	90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250)	288.99	23.00
26 09 23 00-0435		**40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0420)*		
26 09 23 00-0436	EA	500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1)	209.13	23.00
26 09 23 00-0437	EA	1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2)	245.15	23.00
26 09 23 00-0438	EA	2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3)	275.30	23.00
26 09 23 00-0439	EA	500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1)	195.86	23.00
26 09 23 00-0440	EA	1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2)	241.25	23.00
26 09 23 00-0441	EA	2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3)	255.96	23.00
26 09 23 00-0442	EA	500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1)	211.00	23.00
26 09 23 00-0443	EA	1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2)	237.14	23.00
26 09 23 00-0444	EA	2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3)	269.42	23.00
26 09 23 00-0445		**Passive Infrared, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0446	EA	30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR)	148.12	23.00
26 09 23 00-0447	EA	HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24)	151.63	23.00
26 09 23 00-0448	EA	Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205)	159.95	23.00
26 09 23 00-0449	EA	Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355)	182.26	23.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0450	EA	Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305)	184.97	23.00
26 09 23 00-0451	EA	Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200)	196.64	23.00
26 09 23 00-0452	EA	Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300)	215.32	23.00
26 09 23 00-0453		**Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors** *(26 09 23 00-0419)*		
26 09 23 00-0454	EA	1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355)	258.87	23.00
26 09 23 00-0455	EA	1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300)	298.40	23.00
26 09 23 00-0456	EA	1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305)	250.48	23.00
26 09 23 00-0457		**Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0401)*		
26 09 23 00-0458		**Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0457)*		

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26 09 23 00-0459	EA	120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3)	322.08	23.00
26 09 23 00-0460	EA	2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100)	322.08	23.00
26 09 23 00-0461		**Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors** *(26 09 23 00-0457)*		
26 09 23 00-0462	EA	2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200)	298.40	23.00
26 09 23 00-0463		**Occupancy Sensor Power Packs** *(26 09 23 00-0400)*		
26 09 23 00-0464		**Single Voltage, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0465	EA	220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P)	96.17	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0466	EA	347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P)	86.13	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0467		**Auxiliary, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0468	EA	120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P)	77.86	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0469		**Universal Voltage, Power Packs For Occupancy Sensors** *(26 09 23 00-0463)*		
26 09 23 00-0470	EA	120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)	108.13	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0471		**Form C, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0472	EA	120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)	96.63	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0473	EA	277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)	96.71	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0474		**Two Relay, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0475	EA	120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)	125.73	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0476	EA	277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)	127.72	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0477		**Occupancy Sensor Power Supplies** *(26 09 23 00-0463)*		
26 09 23 00-0478	EA	120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)	108.69	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0479	EA	277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)	272.85	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0480		**Intelligent, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0481	EA	120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100)	366.17	20.45
26 09 23 00-0482		**DIN Rail Mounted, Occupancy Sensor Power Packs** *(26 09 23 00-0463)*		
26 09 23 00-0483	EA	120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100)	106.99	20.45
26 09 23 00-0484		**Occupancy Sensor Accessories** *(26 09 23 00-0400)*		
26 09 23 00-0485		**Protective Cages For Occupancy Sensors** *(26 09 23 00-0484)*		
26 09 23 00-0486	EA	Protective Cage For Occupancy Sensors (Watt Stopper WC)	64.64	7.66
26 09 23 00-0487		**Mounting Brackets For Occupancy Sensors** *(26 09 23 00-0484)*		
26 09 23 00-0488	EA	Mounting Bracket For Occupancy Sensor (Watt Stopper MB) Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	45.25	12.78
26 09 23 00-0489		**Occupancy/Lighting Logger** *(26 09 23 00-0484)* Note: Logs when a space is occupied/vacant and when lighting is on/off.		
26 09 23 00-0490	EA	Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200)	490.35	43.46
26 09 23 00-0491		**Digital Time Light Switches** *(26 09 23 00-0400)*		
26 09 23 00-0492	EA	Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400)	105.24	10.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0493		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor *(26 09 23 00-0400)*		
26 09 23 00-0494	EA	Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211)	223.01	33.23
26 09 23 00-0495		Occupancy Sensors (Sensor Switch) *(26 09 23)* Note: Includes testing of new devices and certification.		
26 09 23 00-0496		Occupancy Sensors (Sensor Switch) *(26 09 23 00-0495)* Note: Exclude boxes		
26 09 23 00-0497		Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*		
26 09 23 00-0498		Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)*		
26 09 23 00-0499	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV)	219.96	10.23
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
26 09 23 00-0500	EA	Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)	153.46	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0501	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)	146.14	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0502	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)	146.14	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0503	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)	186.71	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0504	EA	Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS)	186.71	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0505	EA	2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P)	228.29	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0506	EA	Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD)	186.71	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0507		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch) *(26 09 23 00-0497)* Note: Includes passive infrared and microphonics detection		
26 09 23 00-0508	EA	Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV)	286.46	10.23
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
26 09 23 00-0509	EA	Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL)	219.96	10.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0510	EA	Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT)	214.99	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0511	EA	Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA)	214.99	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0512	EA	2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P)	253.21	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 09 23 00-0513	EA	Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT)	253.21	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0514	EA	2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P)	273.16	10.23
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
26 09 23 00-0515		Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch) *(26 09 23 00-0497)*		
26 09 23 00-0516	EA	One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX)	18.41	2.55
26 09 23 00-0517	EA	One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX)	18.41	2.55
26 09 23 00-0518	EA	Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3)	38.36	2.55
26 09 23 00-0519	EA	Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3)	38.36	2.55
26 09 23 00-0520		360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0521		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0520)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0522	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9)	245.52	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0523	EA	Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9)	245.52	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0524	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9)	245.52	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0525	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9)	262.15	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0526	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9)	262.15	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0527	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9)	208.94	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0528	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P)	328.65	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0529	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P)	328.65	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0530	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P)	275.45	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0531	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10)	245.52	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0532	EA	Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10)	245.52	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0533	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10)	245.52	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0534	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10)	262.15	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0535	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10)	262.15	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0536	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10)	208.94	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0537	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P)	328.65	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0538	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P)	328.65	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0539	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P)	275.45	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

26 09 23 00-0540 Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch) *(26 09 23 00-0520)*

Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection

26 09 23 00-0541	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9)	312.02	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0542	EA	Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9)	312.02	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0543	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9)	312.02	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0544	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9)	295.40	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0545	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9)	295.40	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0546	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9)	242.19	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0547	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P)	361.90	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0548	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P)	361.90	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0549	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P)	308.70	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0550	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10)	312.02	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0551	EA	Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10)	312.02	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0552	EA	Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10)	312.02	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0553	EA	Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10)	295.40	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0554	EA	Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10)	295.40	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0555	EA	Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10)	242.19	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Photocell Option With Dimming Capability, Add	*45.34*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0556	EA	2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P)	361.90	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0557	EA	2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P)	361.90	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0558	EA	2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P)	308.70	23.00
		For Photocell Option With Dual Zone On/Off, Add	*45.34*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

26 09 23 00-0559 Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0560 Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0561	EA	Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16)	245.52	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
26 09 23 00-0562	EA	Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13)	278.77	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
26 09 23 00-0563	EA	Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13)	345.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Ceiling Mount, Add	*30.23*	
26 09 23 00-0564	EA	Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16)	328.65	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0565	EA	2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P)	395.15	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

26 09 23 00-0566 Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch) *(26 09 23 00-0559)*

Note: Includes passive infrared and microphonics detection

26 09 23 00-0567	EA	Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16)	312.02	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
26 09 23 00-0568	EA	Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16)	361.90	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0569	EA	2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P)	428.40	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Photocell (Inhibit Mode Only) Option, Add	*18.14*	
		For Ceiling Mount, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

26 09 23 00-0570 High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0496)*

26 09 23 00-0571 Passive Infrared, High Bay Occupancy Sensors (Sensor Switch) *(26 09 23 00-0570)*

26 09 23 00-0572	EA	Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6)	245.52	23.00
		For Photocell Option, Add	*30.23*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0573	EA	Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6)	245.52	23.00
		For Photocell Option, Add	*30.23*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0574	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6)	245.52	23.00
		For Photocell Option, Add	*30.23*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0575	EA	Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6)	208.94	23.00
		For Photocell Option, Add	*30.23*	
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0576	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6)	208.94	23.00
		For Photocell Option, Add	*30.23*	
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0577	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6)	208.94	23.00
		For Photocell Option, Add	*30.23*	
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0578	EA	2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P)	275.45	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0579	EA	2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P)	275.45	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0580	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P)	275.45	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0581	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208)	232.22	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0582	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208)	232.22	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0583	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208)	232.22	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0584	EA	480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480)	232.22	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0585	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480)	232.22	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0586	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480)	232.22	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0587	EA	Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50)	278.77	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0588	EA	Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50)	278.77	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0589	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50)	278.77	23.00
		For Photocell Option, Add	*30.23*	
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0590	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50)	341.95	23.00
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0591	EA	Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50)	341.95	23.00
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0592	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50)	341.95	23.00
		For Photocell Option, Add	*30.23*	
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0593	EA	2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P)	298.72	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0594	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P)	298.72	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0595	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208)	248.84	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0596	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208)	248.84	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0597	EA	480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480)	248.84	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0598	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480)	248.84	23.00
		For Photocell Option, Add	*30.23*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0599	EA	Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10)	278.77	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0600	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10)	278.77	23.00
		For Low Voltage Relay Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
26 09 23 00-0601	EA	Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10)	341.95	23.00
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0602	EA	Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10)	341.95	23.00
		For Start To High, HID Option, Add	*18.14*	
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Occupancy Controlled Dimming Option, Add	*30.23*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0603	EA	2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P)	328.65	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0604	EA	480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480)	295.40	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0605	EA	208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208)	295.40	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

26 09 23 00-0606 Occupancy Sensor Power Packs (Sensor Switch) *(26 09 23 00-0495)*

26 09 23 00-0607	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20)	134.00	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0608	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P)	200.51	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0609	EA	Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20)	100.75	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0610	EA	2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20)	90.78	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0611	EA	20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20)	124.03	20.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0612	EA	120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH)	207.16	20.45
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	
26 09 23 00-0613	EA	120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR)	207.16	20.45
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0614	EA	120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM)	207.16	20.45
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.27*	

26 09 23 00-0615 Daylighting Control (Sensor Switch) *(26 09 23 00-0495)*

26 09 23 00-0616	EA	Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0617	EA	Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0618	EA	Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0619	EA	Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For 480 Volt AC Option, Add	*21.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0620	EA	Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For 480 Volt AC Option, Add	*21.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0621	EA	Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For 480 Volt AC Option, Add	*21.16*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0622	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0623	EA	Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0624	EA	Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0625	EA	Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0626	EA	Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0627	EA	Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC)	212.27	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0628	EA	Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC)	312.02	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0629	EA	Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC)	312.02	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0630	EA	Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC)	312.02	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
26 09 23 00-0631	EA	Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC)	312.02	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0632	EA	Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC)	312.02	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 09 23 00-0633	EA	Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC)	312.02	23.00
		For Low Temp/High Humidity Option, Add	*15.11*	
		For Dual Zone Option, Add	*45.34*	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	

26 09 23 00-0634 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23)*

Note: Includes testing of new devices and certification.

26 09 23 00-0635 Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0634)*

Note: Excludes boxes.

26 09 23 00-0636 Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0637		Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0636)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0638	EA	Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX)	345.09	10.23
26 09 23 00-0639		360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0640		Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*		
		Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0641	EA	Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9)	402.75	23.00
26 09 23 00-0642	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10)	402.75	23.00
26 09 23 00-0643	EA	Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC)	402.75	23.00
26 09 23 00-0644		Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0639)*		
		Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0645	EA	Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9)	474.09	23.00
26 09 23 00-0646	EA	Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10)	474.09	23.00
26 09 23 00-0647	EA	2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P)	491.90	23.00
26 09 23 00-0648		Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0649		Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0648)*		
		Note: Includes passive infrared and microphonics detection		
26 09 23 00-0650	EA	Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16)	474.09	23.00
26 09 23 00-0651		High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0635)*		
26 09 23 00-0652		Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®) *(26 09 23 00-0651)*		
26 09 23 00-0653	EA	Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6)	402.75	23.00
26 09 23 00-0654		Occupancy Sensor Power Packs (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0655	EA	150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150)	130.08	20.45
26 09 23 00-0656	EA	250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250)	165.79	20.45
26 09 23 00-0657	EA	30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO)	226.40	20.45
26 09 23 00-0658	EA	System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16)	226.40	20.45
26 09 23 00-0659		Occupancy Sensor Accessories (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0660	EA	RS232 AV Integrator (Sensor Switch nLight® nIO X)	491.90	23.00
26 09 23 00-0661	EA	8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT)	393.61	23.00
26 09 23 00-0662		Daylighting Controls (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0663	EA	Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC)	331.40	23.00
26 09 23 00-0664		Controls (Sensor Switch nLight®) *(26 09 23 00-0634)*		
26 09 23 00-0665	EA	On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX)	213.68	23.00
26 09 23 00-0666	EA	1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB)	313.59	23.00
26 09 23 00-0667	EA	On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM)	741.65	23.00
26 09 23 00-0668	EA	3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX)	741.65	23.00
26 09 23 00-0669	EA	3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2)	2,810.73	23.00
26 09 23 00-0670		Occupancy Sensors (Lutron) *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0671		Wireless Occupancy Sensors *(26 09 23 00-0670)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0672	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH)	155.77	23.00
26 09 23 00-0673	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH)	163.15	23.00
26 09 23 00-0674	EA	Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH)	157.52	23.00
26 09 23 00-0675	EA	Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH)	167.28	23.00
26 09 23 00-0676	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH)	159.71	23.00
26 09 23 00-0677	EA	Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH)	167.28	23.00
26 09 23 00-0678	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH)	155.77	23.00
26 09 23 00-0679	EA	Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH)	159.71	23.00
26 09 23 00-0680	EA	Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V)	157.52	23.00
26 09 23 00-0681	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH)	249.37	23.00
26 09 23 00-0682	EA	Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH)	266.87	23.00
26 09 23 00-0683	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH)	306.23	23.00
26 09 23 00-0684	EA	Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH)	323.73	23.00
26 09 23 00-0685	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH)	332.48	23.00
26 09 23 00-0686	EA	Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH)	349.97	23.00
26 09 23 00-0687	EA	Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH)	194.26	23.00
26 09 23 00-0688	EA	Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH)	205.63	23.00
26 09 23 00-0689	EA	Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH)	242.81	23.00
26 09 23 00-0690	EA	Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH)	271.24	23.00
26 09 23 00-0691	EA	Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH)	293.11	23.00
26 09 23 00-0692	EA	Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH)	251.56	23.00
26 09 23 00-0693	EA	Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH)	230.32	23.00
26 09 23 00-0694	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH)	190.80	23.00
26 09 23 00-0695	EA	Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH)	237.40	23.00
26 09 23 00-0696	EA	Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C)	290.63	23.00
26 09 23 00-0697	EA	Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H)	309.16	23.00
26 09 23 00-0698	EA	Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K)	309.16	23.00
26 09 23 00-0699	EA	Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W)	309.16	23.00
26 09 23 00-0700	EA	Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V)	326.13	23.00
26 09 23 00-0701	EA	Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W)	531.02	33.23
26 09 23 00-0702		**Nodes And Modules** *(26 09 23 00-0670)*		
26 09 23 00-0703	EA	0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C)	260.31	23.00
26 09 23 00-0704	EA	0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J)	260.31	23.00
26 09 23 00-0705	EA	4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C)	332.48	23.00
26 09 23 00-0706	EA	4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J)	332.48	23.00
26 09 23 00-0707	EA	120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-120-WH)	427.25	25.56
26 09 23 00-0708	EA	120 Volt, Gang Box Mount, Switching Power Module (Lutron® PHPM-SW-DV-WH)	427.25	25.56
26 09 23 00-0709	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-120-WH)	521.29	25.56
26 09 23 00-0710	EA	120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-120-WH)	534.41	25.56
26 09 23 00-0711	EA	120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PHPM-3F-DV-WH)	663.44	25.56
26 09 23 00-0712	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PHPM-PA-DV-WH)	704.99	25.56
26 09 23 00-0713	EA	120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PHPM-WBX-DV-WH)	746.55	25.56
26 09 23 00-0714	EA	1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2)	2,033.63	40.90
26 09 23 00-0715	EA	2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4)	1,994.66	46.01
26 09 23 00-0716	EA	3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6)	2,934.34	51.12
26 09 23 00-0717		**Other Accessories** *(26 09 23 00-0670)*		
26 09 23 00-0718	EA	Pico® Wireless Control Wallplate Adapter (Lutron® PJ)	36.67	
26 09 23 00-0719	EA	Pico® Wireless Control (Lutron® PJ)	54.89	
26 09 23 00-0720	EA	4-Scene Wireless Remote Control (Lutron® GRX-IT-WH)	163.29	
26 09 23 00-0721	EA	8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH)	314.19	
26 09 23 00-0722	EA	4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL)	319.86	23.00
26 09 23 00-0723	EA	seeTouch® QS Wallstation (Lutron® QSWS2)	408.50	23.00
26 09 23 00-0724	EA	seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2)	408.50	23.00
26 09 23 00-0725	EA	120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S)	676.56	25.56
26 09 23 00-0726	EA	120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S)	932.44	25.56
26 09 23 00-0727	EA	Control Interface (Lutron® QSE-CI-NWK-E)	1,126.34	23.00
26 09 23 00-0728	EA	1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S)	1,117.61	23.00
26 09 23 00-0729	EA	2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S)	1,500.33	23.00
26 09 23 00-0730	MLF	5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S)	2,084.71	714.33
26 09 23 00-0731	MLF	5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S)	2,959.49	714.33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0732		**Fixture Mounted Occupancy Sensors (Leviton)** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0733	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW)	148.77	23.00
26 09 23 00-0734	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-I4W)	128.65	23.00
26 09 23 00-0735	EA	120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW)	165.40	23.00
26 09 23 00-0736	EA	480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W)	128.65	23.00
26 09 23 00-0737	EA	120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT)	228.91	10.21
26 09 23 00-0738		**Wireless Enabled Communication Devices For Streetlights** *(26 09 23)*		
		Note: Includes testing of new devices and certification.		
26 09 23 00-0739		**Wireless Enabled Communication Nodes For Streetlights (Roam®)** *(26 09 23 00-0738)*		
26 09 23 00-0740	EA	120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1)	350.27	
26 09 23 00-0741	EA	480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1)	492.96	
26 09 23 00-0742		**Wireless Enabled Communication Devices For Streetlights (Roam®)** *(26 09 23 00-0738)*		
26 09 23 00-0743	EA	Retrofit Receptacle Kit (Roam® DUR103)	54.19	
		Note: For adapting light fixtures for use with a NEMA locking type photocontrol.		
26 09 23 00-0744	EA	Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127)	14,386.27	58.39
26 09 23 00-0745		**Counter Mounted Consolets** *(26 09 23)*		
26 09 23 00-0746	EA	20" x 24" Type 12, Oil Tight Consolets, Counter Mounted (Schaefer's SPCL-20C24)	636.37	127.55
26 09 23 00-0747		**Lighting Console And Stations** *(26 09 23)*		
26 09 23 00-0748	EA	80 Channel, 40 Faders, Lighting Console (ETC ColorSource CS 40)	5,020.30	127.55
		For Lighting Console Dust Cover (ETC ColorSource CS40DC), Add	*110.19*	
		For Lighting Console Case (ETC ColorSourcePart 11866), Add	*1,174.91*	
26 09 23 00-0749	EA	10 Preset, Lighting Control Station (Doug Fleenor PRE10-A2)	3,473.66	76.53
26 09 23 00-0750		**Theatre Lighting Console** *(26 09 23)*		
26 09 23 00-0751	EA	Theatre Lighting Console (ETC Colorsource 20)	3,572.57	153.07
26 09 23 00-0752		**Emergency Lighting Controls** *(26 09 23)*		
26 09 23 00-0753		**Emergency Lighting Control Units (Watt Stopper ELCU)** *(26 09 23 00-0752)*		
		Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.		
26 09 23 00-0754	EA	DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100)	241.57	25.56
26 09 23 00-0755	EA	1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200)	241.57	25.56
26 09 23 00-0756		**Emergency Shunt Relays (Lighting Control & Design GR 2001™)** *(26 09 23 00-0752)*		
		Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.		
26 09 23 00-0757	EA	1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	393.84	35.78
26 09 23 00-0758	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™)	542.02	40.90
26 09 23 00-0759	EA	2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual)	736.53	46.01
		Note: Controls normal and emergency lighting from single-pole wall switch.		
26 09 23 00-0760		**Photocells** *(26 09 23)*		
26 09 23 00-0761	EA	Plug-In Photocell For Lighting Fixtures (Intermac® LC2000)	87.18	
26 09 23 00-0762	EA	Wired Photocell For Lighting Fixtures (Intermac® K4021C)	186.16	
26 09 23 00-0763		**Outdoor Lighting Motion Sensors** *(26 09 23)*		
26 09 23 00-0764	EA	70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000)	120.35	25.56
26 09 23 00-0765	EA	70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000)	132.90	25.56
26 09 23 00-0766	EA	30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR)	598.95	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0767		Street Light Controls *(26 09 23)*		
26 09 23 00-0768		Photo Controls *(26 09 23 00-0767)*		
26 09 23 00-0769	EA	Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014	91.79	
26 09 23 00-0770	EA	Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016	107.28	
26 09 23 00-0771		Connector Node *(26 09 23 00-0767)*		
26 09 23 00-0772	EA	Outdoor Lighting Connector Node (Philips City Touch LLC7260)	544.78	3.44

26 10 Medium-Voltage Electrical Distribution *(26)*

26 11 Substations *(26 10)*

26 11 13 Primary Unit Substations *(26 11)*

26 11 13 00-0001		"Switchyard" Substation Primary Incoming Section *(26 11 13)*		
26 11 13 00-0002		Outdoor Oil Circuit Breakers "Switchyard" *(26 11 13 00-0001)*		
		Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment		
26 11 13 00-0003	EA	14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	68,629.46	1,798.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,097.65*	
26 11 13 00-0004	EA	23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	84,162.56	2,274.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,372.06*	
26 11 13 00-0005	EA	34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	95,532.41	2,274.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,372.06*	
26 11 13 00-0006	EA	46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	109,969.17	2,274.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,463.53*	
26 11 13 00-0007	EA	69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation	124,731.80	2,803.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,688.69*	
26 11 13 00-0008		Accessories For Outdoor Oil Circuit Breakers *(26 11 13 00-0001)*		
26 11 13 00-0009	EA	Reclosure Relay, Adjustable, 3 Shot, #179	1,790.48	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.40*	
26 11 13 00-0010	EA	Overcurrent Relay, 1 Phase, #51/51N	524.46	135.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 11 13 00-0011	EA	Directional Overcurrent Relay, Three-Phase, Device No. 67	806.42	135.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*91.74*	
26 11 13 00-0012	EA	Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase	636.62	135.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*73.63*	
26 11 13 00-0013	EA	Differential Relay Package, Complete, Device No. 87	2,381.08	456.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*275.81*	
26 11 13 00-0014		"Switchyard", Substation Transformer Section *(26 11 13)*		
		Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range		
26 11 13 00-0015		14.4 KV Nominal Primary *(26 11 13 00-0014)*		
26 11 13 00-0016	EA	1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	39,048.94	1,798.55
		For External Control Panel, Add	*1,061.70*	
		For Forced Air-Cooling, Add	*4,246.81*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,769.51*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,308.52*	
		For 50 Hz Operation, Add	*4,246.81*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,423.76*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*353.90*	
26 11 13 00-0017	EA	2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	44,527.48	2,253.49
		For External Control Panel, Add	*1,198.62*	
		For Forced Air-Cooling, Add	*4,794.47*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,997.70*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,993.09*	
		For 50 Hz Operation, Add	*4,794.47*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,994.24*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*399.54*	
26 11 13 00-0018	EA	5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	68,674.88	3,173.92
		For External Control Panel, Add	*1,865.11*	
		For Forced Air-Cooling, Add	*7,460.43*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,108.51*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*9,325.54*	
		For 50 Hz Operation, Add	*7,460.43*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,771.29*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*621.70*	
26 11 13 00-0019	EA	7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	100,123.97	3,917.19
		For External Control Panel, Add	*2,750.25*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,583.76*	
		For Forced Air-Cooling, Add	*11,001.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,751.27*	
		For 50 Hz Operation, Add	*11,001.02*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,459.39*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*916.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0020	EA	10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	123,311.01	5,069.30
		For Forced Air-Cooling, Add	*13,530.00*	
		For External Control Panel, Add	*3,382.50*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,637.50*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,912.50*	
		For 50 Hz Operation, Add	*13,530.00*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,093.75*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,127.50*	
26 11 13 00-0021		**23 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0022	EA	1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	43,503.54	2,433.35
		For External Control Panel, Add	*1,167.90*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*1,946.50*	
		For Forced Air-Cooling, Add	*3,114.40*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*5,839.50*	
		For 50 Hz Operation, Add	*4,671.60*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*4,866.25*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*389.30*	
26 11 13 00-0023	EA	2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	49,575.13	2,433.35
		For External Control Panel, Add	*1,321.57*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,202.62*	
		For Forced Air-Cooling, Add	*3,524.19*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*6,607.85*	
		For 50 Hz Operation, Add	*5,286.28*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*5,506.55*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*440.52*	
26 11 13 00-0024	EA	5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	80,025.35	3,597.12
		For External Control Panel, Add	*2,181.23*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,635.38*	
		For Forced Air-Cooling, Add	*5,816.62*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*10,906.15*	
		For 50 Hz Operation, Add	*8,724.92*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,088.46*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*727.08*	
26 11 13 00-0025	EA	7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	107,504.93	5,069.30
		For Forced Air-Cooling, Add	*7,755.51*	
		For External Control Panel, Add	*2,908.32*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,847.19*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*14,541.58*	
		For 50 Hz Operation, Add	*11,633.27*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*12,117.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*969.44*	
26 11 13 00-0026	EA	10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	133,848.43	5,069.30
		For External Control Panel, Add	*3,698.62*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,164.37*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,493.11*	
		For 50 Hz Operation, Add	*14,794.49*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,410.92*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,232.87*	
		For Forced Air-Cooling, Add	*9,862.99*	
26 11 13 00-0027		**34.5 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0028	EA	1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	54,697.48	2,909.43
		For External Control Panel, Add	*1,475.24*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,458.74*	
		For Forced Air-Cooling, Add	*3,933.98*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*7,376.21*	
		For 50 Hz Operation, Add	*5,900.97*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*6,146.84*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*491.75*	
26 11 13 00-0029	EA	2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	66,071.81	4,549.29
		For External Control Panel, Add	*1,782.58*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*2,970.97*	
		For Forced Air-Cooling, Add	*4,753.55*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*8,912.91*	
		For 50 Hz Operation, Add	*7,130.33*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*7,427.43*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*594.19*	
26 11 13 00-0030	EA	5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	91,338.98	4,549.29
		For External Control Panel, Add	*2,465.76*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,109.60*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*12,328.79*	
		For 50 Hz Operation, Add	*9,863.03*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*10,273.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*821.92*	
		For Forced Air-Cooling, Add	*6,575.35*	
26 11 13 00-0031	EA	7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	118,042.26	4,954.09
		For Forced Air-Cooling, Add	*8,598.50*	
		For External Control Panel, Add	*3,224.44*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,374.06*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*16,122.18*	
		For 50 Hz Operation, Add	*12,897.75*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*13,435.15*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,074.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0032	EA	10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	205,298.59	6,336.62
		For External Control Panel, Add	*5,753.41*	
		For Forced Air-Cooling, Add	*15,342.44*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,589.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,767.07*	
		For 50 Hz Operation, Add	*23,013.66*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,972.56*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,917.80*	
26 11 13 00-0033		**46 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0034	EA	1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	84,443.79	3,385.52
		For Forced Air-Cooling, Add	*6,223.31*	
		For External Control Panel, Add	*2,333.74*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*3,889.57*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*11,668.71*	
		For 50 Hz Operation, Add	*9,334.97*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*9,723.92*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*777.91*	
26 11 13 00-0035	EA	2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	95,510.95	3,385.52
		For Forced Air-Cooling, Add	*7,055.46*	
		For External Control Panel, Add	*2,645.80*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*4,409.66*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*13,228.99*	
		For 50 Hz Operation, Add	*10,583.19*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*11,024.16*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*881.93*	
26 11 13 00-0036	EA	5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	132,613.97	4,549.29
		For External Control Panel, Add	*3,704.01*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,173.34*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*18,520.03*	
		For 50 Hz Operation, Add	*14,816.03*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*15,433.36*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,234.67*	
		For Forced Air-Cooling, Add	*9,877.35*	
26 11 13 00-0037	EA	7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	161,878.07	6,336.62
		For Forced Air-Cooling, Add	*11,868.80*	
		For External Control Panel, Add	*4,450.80*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*7,418.00*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*22,253.99*	
		For 50 Hz Operation, Add	*17,803.19*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*18,544.99*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,483.60*	
26 11 13 00-0038	EA	10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	231,707.36	6,336.62
		For Forced Air-Cooling, Add	*17,455.14*	
		For External Control Panel, Add	*6,545.68*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*10,909.46*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*32,728.38*	
		For 50 Hz Operation, Add	*26,182.71*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*27,273.65*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,181.89*	
26 11 13 00-0039		**69 KV Nominal Primary** *(26 11 13 00-0014)*		
26 11 13 00-0040	EA	1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	122,258.70	3,597.12
		For Forced Air-Cooling, Add	*9,195.28*	
		For External Control Panel, Add	*3,448.23*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*5,747.05*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*17,241.16*	
		For 50 Hz Operation, Add	*13,792.92*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*14,367.63*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,149.41*	
26 11 13 00-0041	EA	2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	140,187.43	4,549.29
		For Forced Air-Cooling, Add	*10,483.23*	
		For External Control Panel, Add	*3,931.21*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*6,552.02*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*19,656.05*	
		For 50 Hz Operation, Add	*15,724.84*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*16,380.04*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,310.40*	
26 11 13 00-0042	EA	5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	193,724.14	4,549.29
		For External Control Panel, Add	*5,537.31*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,228.85*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*27,686.56*	
		For 50 Hz Operation, Add	*22,149.25*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,072.13*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,845.77*	
		For Forced Air-Cooling, Add	*14,766.16*	
26 11 13 00-0043	EA	7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	204,532.38	6,336.62
		For Forced Air-Cooling, Add	*15,281.14*	
		For External Control Panel, Add	*5,730.43*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*9,550.71*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*28,652.14*	
		For 50 Hz Operation, Add	*22,921.71*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*23,876.78*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*1,910.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0044	EA	10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	269,014.90	6,336.62
		For External Control Panel, Add	*7,664.90*	
		For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	*12,774.84*	
		For Forced Air-Cooling, Add	*20,439.74*	
		For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	*38,324.52*	
		For 50 Hz Operation, Add	*30,659.61*	
		For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	*31,937.10*	
		For Internally Mounted Current Transformers And Linear Couplers, Add	*2,554.97*	
26 11 13 00-0045		Circuit Breakers Fluarc SF6 13.8 KV *(26 11 13)*		
26 11 13 00-0046	EA	1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	74,062.07	896.44
26 11 13 00-0047	EA	1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	81,373.34	896.44
26 11 13 00-0048	EA	1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	92,584.99	1,113.53
26 11 13 00-0049	EA	2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	86,380.94	1,338.96
26 11 13 00-0050	EA	2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	97,426.16	1,338.96
26 11 13 00-0051	EA	2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	111,130.41	1,555.58
26 11 13 00-0052	EA	3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	114,450.38	1,777.26
26 11 13 00-0053	EA	3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	128,202.31	1,777.26
26 11 13 00-0054	EA	3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section	134,286.53	1,995.87

26 11 16 Secondary Unit Substations *(26 11)*

26 11 16 11 Secondary Unit Substations with Switchgear Secondary *(26 11 16)*

26 11 16 11-0001 Substation Primary Incoming Section *(26 11 16 11)*

26 11 16 11-0002 Manual Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.

26 11 16 11-0003	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	40,681.82	1,316.39
26 11 16 11-0004	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position	47,045.50	1,316.39

26 11 16 11-0005 Automatic Transferring Fused Load Break Switches *(26 11 16 11-0001)*

Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.

26 11 16 11-0006	EA	112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	57,647.13	1,316.39
26 11 16 11-0007	EA	2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch	61,788.65	1,316.39

26 11 16 11-0008 Accessories For Substation Fused Load Break Switches *(26 11 16 11-0001)*

26 11 16 11-0009	EA	Primary Lightning Arrestors Accessories, Secondary Distribution Section	21,923.22	
26 11 16 11-0010	EA	Key Interlock Accessories, Secondary Distribution Section	2,133.94	

26 11 16 11-0011 Oil Filled Substation Transformers *(26 11 16 11)*

Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.

26 11 16 11-0012 Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0013	EA	75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	37,833.23	793.48
		For Internal Mounted Current Transformer And Linear Coupler, Add	*362.46*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,537.24*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,087.39*	
26 11 16 11-0014	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	56,042.96	952.17
		For Internal Mounted Current Transformer And Linear Coupler, Add	*541.39*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,789.70*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,624.16*	
26 11 16 11-0015	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	63,475.71	1,057.98
		For Internal Mounted Current Transformer And Linear Coupler, Add	*613.60*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,295.18*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,840.79*	
26 11 16 11-0016	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	74,950.53	1,322.47
		For Internal Mounted Current Transformer And Linear Coupler, Add	*723.06*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,061.39*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,169.17*	
26 11 16 11-0017	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	83,189.01	1,639.86
		For Internal Mounted Current Transformer And Linear Coupler, Add	*799.09*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,593.65*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,397.28*	
26 11 16 11-0018	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	88,374.35	2,010.15
		For Internal Mounted Current Transformer And Linear Coupler, Add	*843.54*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,904.78*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,530.62*	
26 11 16 11-0019	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	103,251.68	2,433.35
		For Internal Mounted Current Transformer And Linear Coupler, Add	*983.85*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,886.95*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,951.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0020	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	109,896.09	2,644.93
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,046.06*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,322.43*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,138.19*	
26 11 16 11-0021	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	122,907.75	2,909.43
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,170.89*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,196.22*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,512.67*	
26 11 16 11-0022	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	142,461.18	3,226.82
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,360.08*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*9,520.53*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,080.23*	
26 11 16 11-0023	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	156,492.15	3,517.77
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,494.57*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*10,461.96*	
		For Control Power Transformer On Fans And Auxiliary, Add	*4,483.70*	

26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ *(26 11 16 11-0011)*

26 11 16 11-0025	EA	75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	36,024.96	793.48
		For Internal Mounted Current Transformer And Linear Coupler, Add	*344.38*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*2,410.66*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,033.14*	
26 11 16 11-0026	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	55,139.22	793.48
		For Internal Mounted Current Transformer And Linear Coupler, Add	*535.52*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*3,748.66*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,606.57*	
26 11 16 11-0027	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	63,435.69	1,057.98
		For Internal Mounted Current Transformer And Linear Coupler, Add	*613.20*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*4,292.38*	
		For Control Power Transformer On Fans And Auxiliary, Add	*1,839.59*	
26 11 16 11-0028	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	75,019.37	1,322.47
		For Internal Mounted Current Transformer And Linear Coupler, Add	*723.74*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*5,066.21*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,171.23*	
26 11 16 11-0029	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	90,215.55	1,639.86
		For Internal Mounted Current Transformer And Linear Coupler, Add	*869.36*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,085.51*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,608.07*	
26 11 16 11-0030	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	97,123.65	2,010.15
		For Internal Mounted Current Transformer And Linear Coupler, Add	*931.03*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*6,517.23*	
		For Control Power Transformer On Fans And Auxiliary, Add	*2,793.10*	
26 11 16 11-0031	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	107,291.78	2,433.35
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,024.25*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,169.76*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,072.75*	
26 11 16 11-0032	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	116,855.52	2,644.93
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,115.66*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*7,809.59*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,346.97*	
26 11 16 11-0033	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof	131,907.36	2,909.43
		For Internal Mounted Current Transformer And Linear Coupler, Add	*1,260.89*	
		For Forced Air-Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	*8,826.20*	
		For Control Power Transformer On Fans And Auxiliary, Add	*3,782.66*	

26 11 16 11-0034 Accessories For Oil Filled Substation Transformers *(26 11 16 11-0011)*

26 11 16 11-0035	EA	Sudden Pressure Relay	10,986.10
26 11 16 11-0036	EA	Throats Or Flanges (HV Or LV)	21,811.14
26 11 16 11-0037	EA	Lightning Arrestors (3 - 1 Pole)	14,361.79
26 11 16 11-0038	EA	Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X)	79,700.75
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout	74,567.99

26 11 16 11-0040 Reinforced Concrete Curb With 6" Slab *(26 11 16 11-0011)*

Note: For transformer liquid containment area.

26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,451.12	1,423.11
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,451.12	1,423.11
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,451.12	1,423.11
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,451.12	1,423.11
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,451.12	1,423.11
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,451.12	1,423.11
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	8,451.12	1,423.11
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area	10,349.84	1,640.87

26 11 16 11-0049 Dry Type Substation Transformer *(26 11 16 11)*

Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.

26 11 16 11-0050 Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*

Note: Primary 4.160 or 4.8 KV (delta or wye).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,120.20	846.38
		For Gas Filled Transformers, Add	*39,256.46*	
		For Dry Type Unit, Add	*14,563.31*	
		For Single Phase Transformers, Deduct	*-1,635.69*	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,225.99	899.28
		For Gas Filled Transformers, Add	*39,256.46*	
		For Dry Type Unit, Add	*14,573.89*	
		For Single Phase Transformers, Deduct	*-1,635.69*	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	68,395.62	1,057.98
		For Gas Filled Transformers, Add	*39,767.80*	
		For Dry Type Unit, Add	*14,793.12*	
		For Single Phase Transformers, Deduct	*-1,656.99*	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,498.90	1,163.77
		For Gas Filled Transformers, Add	*43,902.82*	
		For Dry Type Unit, Add	*16,330.45*	
		For Single Phase Transformers, Deduct	*-1,829.28*	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	83,625.77	1,375.37
		For Gas Filled Transformers, Add	*48,525.02*	
		For Dry Type Unit, Add	*18,067.58*	
		For Single Phase Transformers, Deduct	*-2,021.88*	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	96,899.57	1,586.97
		For Gas Filled Transformers, Add	*56,235.39*	
		For Dry Type Unit, Add	*20,937.04*	
		For Single Phase Transformers, Deduct	*-2,343.14*	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	112,378.00	1,904.36
		For Gas Filled Transformers, Add	*65,141.57*	
		For Dry Type Unit, Add	*24,266.11*	
		For Single Phase Transformers, Deduct	*-2,714.23*	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	133,107.18	2,115.95
		For Gas Filled Transformers, Add	*77,325.17*	
		For Dry Type Unit, Add	*28,775.75*	
		For Single Phase Transformers, Deduct	*-3,221.88*	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	173,548.27	2,221.75
		For Gas Filled Transformers, Add	*101,462.86*	
		For Dry Type Unit, Add	*37,647.40*	
		For Single Phase Transformers, Deduct	*-4,227.62*	

26 11 16 11-0060 Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*

Note: Primary 4.16 or 4.8 KV (delta or wye).

26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	64,798.36	846.38
		For Gas Filled Transformers, Add	*37,863.36*	
		For Dry Type Unit, Add	*14,052.51*	
		For Single Phase Transformers, Deduct	*-1,577.64*	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	67,225.99	899.28
		For Gas Filled Transformers, Add	*39,256.46*	
		For Dry Type Unit, Add	*14,573.89*	
		For Single Phase Transformers, Deduct	*-1,635.69*	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	68,395.62	1,057.98
		For Gas Filled Transformers, Add	*39,767.80*	
		For Dry Type Unit, Add	*14,793.12*	
		For Single Phase Transformers, Deduct	*-1,656.99*	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	75,498.90	1,163.77
		For Gas Filled Transformers, Add	*43,902.82*	
		For Dry Type Unit, Add	*16,330.45*	
		For Single Phase Transformers, Deduct	*-1,829.28*	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	83,625.77	1,375.37
		For Gas Filled Transformers, Add	*48,525.02*	
		For Dry Type Unit, Add	*18,067.58*	
		For Single Phase Transformers, Deduct	*-2,021.88*	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	96,899.57	1,586.97
		For Gas Filled Transformers, Add	*56,235.39*	
		For Dry Type Unit, Add	*20,937.04*	
		For Single Phase Transformers, Deduct	*-2,343.14*	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	112,378.00	1,904.36
		For Gas Filled Transformers, Add	*65,141.57*	
		For Dry Type Unit, Add	*24,266.11*	
		For Single Phase Transformers, Deduct	*-2,714.23*	
26 11 16 11-0068	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	133,107.18	2,115.95
		For Gas Filled Transformers, Add	*77,325.17*	
		For Dry Type Unit, Add	*28,775.75*	
		For Single Phase Transformers, Deduct	*-3,221.88*	
26 11 16 11-0069	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	173,548.27	2,221.75
		For Gas Filled Transformers, Add	*101,462.86*	
		For Dry Type Unit, Add	*37,647.40*	
		For Single Phase Transformers, Deduct	*-4,227.62*	
26 11 16 11-0070	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	190,710.60	2,327.54
		For Gas Filled Transformers, Add	*111,633.31*	
		For Dry Type Unit, Add	*41,397.72*	
		For Single Phase Transformers, Deduct	*-4,651.39*	
26 11 16 11-0071	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	213,180.94	2,433.35
		For Gas Filled Transformers, Add	*124,988.56*	
		For Dry Type Unit, Add	*46,315.81*	
		For Single Phase Transformers, Deduct	*-5,207.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0072	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer	246,247.18	2,539.14
		For Gas Filled Transformers, Add	*144,701.34*	
		For Dry Type Unit, Add	*53,564.99*	
		For Single Phase Transformers, Deduct	*-6,029.22*	
26 11 16 11-0073		Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt *(26 11 16 11-0049)*		
26 11 16 11-0074	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	72,136.52	952.17
		For Gas Filled Transformers, Add	*42,139.30*	
		For Dry Type Unit, Add	*15,641.51*	
		For Single Phase Transformers, Deduct	*-1,755.80*	
26 11 16 11-0075	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	74,550.73	1,005.08
		For Gas Filled Transformers, Add	*43,524.35*	
		For Dry Type Unit, Add	*16,159.94*	
		For Single Phase Transformers, Deduct	*-1,813.51*	
26 11 16 11-0076	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	79,599.02	1,163.77
		For Gas Filled Transformers, Add	*46,362.89*	
		For Dry Type Unit, Add	*17,232.48*	
		For Single Phase Transformers, Deduct	*-1,931.79*	
26 11 16 11-0077	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	83,971.14	1,269.57
		For Gas Filled Transformers, Add	*48,859.20*	
		For Dry Type Unit, Add	*18,168.95*	
		For Single Phase Transformers, Deduct	*-2,035.80*	
26 11 16 11-0078	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	95,694.82	1,481.16
		For Gas Filled Transformers, Add	*55,639.49*	
		For Dry Type Unit, Add	*20,697.38*	
		For Single Phase Transformers, Deduct	*-2,318.31*	
26 11 16 11-0079	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	105,962.32	1,692.76
		For Gas Filled Transformers, Add	*61,546.08*	
		For Dry Type Unit, Add	*22,905.45*	
		For Single Phase Transformers, Deduct	*-2,564.42*	
26 11 16 11-0080	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	123,675.34	2,010.15
		For Gas Filled Transformers, Add	*71,793.02*	
		For Dry Type Unit, Add	*26,726.14*	
		For Single Phase Transformers, Deduct	*-2,991.38*	
26 11 16 11-0081	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	150,235.97	2,221.75
		For Gas Filled Transformers, Add	*87,475.48*	
		For Dry Type Unit, Add	*32,518.69*	
		For Single Phase Transformers, Deduct	*-3,644.81*	
26 11 16 11-0082	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer	182,201.67	2,327.54
		For Gas Filled Transformers, Add	*106,527.95*	
		For Dry Type Unit, Add	*39,525.76*	
		For Single Phase Transformers, Deduct	*-4,438.66*	
26 11 16 11-0083		Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt *(26 11 16 11-0049)*		
26 11 16 11-0084	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	72,136.52	952.17
		For Gas Filled Transformers, Add	*42,139.30*	
		For Dry Type Unit, Add	*15,641.51*	
		For Single Phase Transformers, Deduct	*-1,755.80*	
26 11 16 11-0085	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	74,550.73	1,005.08
		For Gas Filled Transformers, Add	*43,524.35*	
		For Dry Type Unit, Add	*16,159.94*	
		For Single Phase Transformers, Deduct	*-1,813.51*	
26 11 16 11-0086	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	79,599.02	1,163.77
		For Gas Filled Transformers, Add	*46,362.89*	
		For Dry Type Unit, Add	*17,232.48*	
		For Single Phase Transformers, Deduct	*-1,931.79*	
26 11 16 11-0087	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	83,971.14	1,269.57
		For Gas Filled Transformers, Add	*48,859.20*	
		For Dry Type Unit, Add	*18,168.95*	
		For Single Phase Transformers, Deduct	*-2,035.80*	
26 11 16 11-0088	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	95,694.82	1,481.16
		For Gas Filled Transformers, Add	*55,639.49*	
		For Dry Type Unit, Add	*20,697.38*	
		For Single Phase Transformers, Deduct	*-2,318.31*	
26 11 16 11-0089	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	92,541.31	1,692.76
		For Gas Filled Transformers, Add	*53,493.47*	
		For Dry Type Unit, Add	*19,952.83*	
		For Single Phase Transformers, Deduct	*-2,228.89*	
26 11 16 11-0090	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	96,103.36	2,010.15
		For Gas Filled Transformers, Add	*55,249.84*	
		For Dry Type Unit, Add	*20,660.30*	
		For Single Phase Transformers, Deduct	*-2,302.08*	
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	118,646.38	2,221.75
		For Gas Filled Transformers, Add	*68,521.73*	
		For Dry Type Unit, Add	*25,568.98*	
		For Single Phase Transformers, Deduct	*-2,855.07*	
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	141,257.39	2,327.54
		For Gas Filled Transformers, Add	*81,961.38*	
		For Dry Type Unit, Add	*30,518.02*	
		For Single Phase Transformers, Deduct	*-3,415.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	158,214.18	2,433.35
		For Gas Filled Transformers, Add	*92,008.50*	
		For Dry Type Unit, Add	*34,223.12*	
		For Single Phase Transformers, Deduct	*-3,833.69*	
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	186,324.09	2,539.14
		For Gas Filled Transformers, Add	*108,747.49*	
		For Dry Type Unit, Add	*40,381.91*	
		For Single Phase Transformers, Deduct	*-4,531.15*	
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer	229,346.24	2,644.93
		For Gas Filled Transformers, Add	*134,433.82*	
		For Dry Type Unit, Add	*49,821.39*	
		For Single Phase Transformers, Deduct	*-5,601.41*	

26 12 Medium-Voltage Transformers *(26 10)*

26 12 13 Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 13 00-0001 Removal And Relocation Of Transformers *(26 12 13)*

26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer	1,108.83	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers	2,040.54	

26 12 13 00-0004 Single Phase Oil Filled Distribution Transformers *(26 12 13)*

Note: Self-protected type, CSP, external secondary breaker handle, external tap changer.

26 12 13 00-0005 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0006	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	7,748.30	440.31
26 12 13 00-0007	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,257.12	550.38
26 12 13 00-0008	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,724.32	660.46
26 12 13 00-0009	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	13,934.28	825.57
26 12 13 00-0010	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,520.13	990.68
26 12 13 00-0011	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	23,328.34	1,155.79
26 12 13 00-0012	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	27,618.47	1,375.95

26 12 13 00-0013 Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt, 2-2.5 Percent Taps FCAN And FCBN. Rated To 5 KVA *(26 12 13 00-0004)*

26 12 13 00-0014	EA	10 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,748.30	440.31
26 12 13 00-0015	EA	15 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,445.71	550.38
26 12 13 00-0016	EA	25 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,724.32	660.46
26 12 13 00-0017	EA	37.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,934.28	825.57
26 12 13 00-0018	EA	50 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,520.13	990.68
26 12 13 00-0019	EA	75 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,389.89	1,155.79
26 12 13 00-0020	EA	100 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,634.10	1,375.95

26 12 13 00-0021 Primary 13.8/14.4 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*

26 12 13 00-0022	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,528.28	440.31
26 12 13 00-0023	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,659.94	550.38
26 12 13 00-0024	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,133.70	660.46
26 12 13 00-0025	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,797.98	825.57
26 12 13 00-0026	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	15,944.66	990.68
26 12 13 00-0027	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,753.35	1,155.79
26 12 13 00-0028	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,724.97	1,375.95

26 12 13 00-0029 Primary 13.8/14.4 KV Ground Y Secondary 240/480 Volt, 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0004)*

26 12 13 00-0030	EA	10 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,549.79	440.31
26 12 13 00-0031	EA	15 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,712.88	550.38
26 12 13 00-0032	EA	25 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,892.20	660.46
26 12 13 00-0033	EA	37.5 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,253.61	825.57
26 12 13 00-0034	EA	50 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,697.45	990.68
26 12 13 00-0035	EA	75 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	25,824.53	1,155.79
26 12 13 00-0036	EA	100 KVA Transformer Primary 13.8 / 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,297.21	1,375.95

26 12 13 00-0037 Transformer Platforms *(26 12 13 00-0004)*

26 12 13 00-0038	EA	Transformer Platforms, 75 - 167 KVA	4,939.90	743.57

26 12 13 00-0039 Primary 24.9 KV, Ground Y Secondary 240/480 Volt, 2-2.5 Percent Tops FCBN Auto FCAN *(26 12 13 00-0004)*

26 12 13 00-0040	EA	10 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	9,481.30	440.31
26 12 13 00-0041	EA	15 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,558.66	550.38
26 12 13 00-0042	EA	25 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,893.27	660.46
26 12 13 00-0043	EA	37.5 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	16,252.31	825.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 13 00-0044	EA	50 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	18,807.07	1,045.72
26 12 13 00-0045	EA	75 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	25,827.76	1,155.79
26 12 13 00-0046	EA	100 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	33,297.21	1,375.95
26 12 13 00-0047	EA	167 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	44,640.00	1,761.21
26 12 13 00-0048	EA	250 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	56,994.59	2,366.63
26 12 13 00-0049	EA	333 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	66,794.41	2,751.91
26 12 13 00-0050	EA	500 KVA Transformer Primary 24.9 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	85,521.90	2,972.06

26 12 13 00-0051 Primary 4.8 KV Ground Y Secondary 120/240V 4-2.5 Percent Taps FCBN, Class A, 95 KV BIL *(26 12 13 00-0004)*

26 12 13 00-0052	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	7,748.30	539.15
26 12 13 00-0053	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	9,257.12	673.89
26 12 13 00-0054	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	10,723.87	807.84
26 12 13 00-0055	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	13,935.34	1,012.37
26 12 13 00-0056	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	16,519.11	1,212.71
26 12 13 00-0057	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	23,326.95	1,412.38
26 12 13 00-0058	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 1 Phase	27,618.47	1,684.82

26 12 13 00-0059 Primary 4.8 KV Ground Y Secondary 120/240V 2-2.5 Percent Taps FCAN And FCBN *(26 12 13 00-0004)*

26 12 13 00-0060	EA	10 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,748.30	539.15
26 12 13 00-0061	EA	15 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	9,445.71	673.89
26 12 13 00-0062	EA	25 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,723.87	807.84
26 12 13 00-0063	EA	37.5 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,935.34	1,012.37
26 12 13 00-0064	EA	50 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	16,519.11	1,212.71
26 12 13 00-0065	EA	75 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	21,388.50	1,412.38
26 12 13 00-0066	EA	100 KVA Transformer Primary 4.8 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	26,634.10	1,684.82

26 12 13 00-0067 Primary 7.2 To 14.4 KV Ground Y *(26 12 13 00-0004)*

26 12 13 00-0068 Primary 7.2 To 14.4 KV Ground Y Secondary 120 / 240 V 2-2.5 Percent Taps FCBN And FCAN *(26 12 13 00-0067)*

26 12 13 00-0069	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	6,095.31	440.31
26 12 13 00-0070	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	7,229.82	550.38
26 12 13 00-0071	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	8,319.96	660.46
26 12 13 00-0072	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	10,939.96	825.57
26 12 13 00-0073	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	13,767.47	990.68
26 12 13 00-0074	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	22,308.58	1,155.79
26 12 13 00-0075	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 120/240 Volt, 2 Taps, Oil Filled, 1 Phase	25,610.88	1,375.95

26 12 13 00-0076 Primary 7.2 To 14.4 KV Ground Y Secondary 240 / 480 V 2-2.5 Pct Taps FCBN And FCAN *(26 12 13 00-0067)*

26 12 13 00-0077	EA	10 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	5,595.27	440.31
26 12 13 00-0078	EA	15 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	6,601.20	550.38
26 12 13 00-0079	EA	25 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	8,034.22	660.46
26 12 13 00-0080	EA	37.5 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	10,368.48	825.57
26 12 13 00-0081	EA	50 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	12,981.69	990.68
26 12 13 00-0082	EA	75 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	19,451.21	1,155.79
26 12 13 00-0083	EA	100 KVA Transformer Primary 7.2 - 14.4 KV Ground Y, Secondary 240/480 Volt, 2 Taps, Oil Filled, 1 Phase	22,753.51	1,375.95

26 12 16 Dry-Type, Medium-Voltage Transformers *(26 12)*

26 12 16 00-0001 Removal and Relocation of Transformers *(26 12 16)*

26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer	439.06	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer	1,951.37	

26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers *(26 12)*

26 12 19 00-0001 Single Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*

Note: Designed for residential and multi-family buildings. UL listed.

26 12 19 00-0002 Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled *(26 12 19 00-0001)*

Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.

26 12 19 00-0003 Primary, 4.16/4.8 KV Ground Y Or Delta *(26 12 19 00-0002)*

Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.

26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	18,844.29	528.99
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	20,403.48	634.78
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,349.27	740.59
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	30,334.13	793.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,529.02	846.38
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	45,180.47	1,110.87
26 12 19 00-0010		**Factory Modifications Material Cost Only** *(26 12 19 00-0002)*		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications	4,258.84	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,474.87	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications	4,922.35	
26 12 19 00-0014		**Distribution - Single Phase Multiple Building Transformer** *(26 12 19 00-0001)* Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		**Primary, 4.16/4.8 KVA Ground Y Or Delta** *(26 12 19 00-0014)* Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	24,018.23	528.99
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,917.49	528.99
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,813.97	724.71
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	36,211.26	724.71
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	40,690.69	952.17
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	48,742.08	952.17
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	79,432.13	1,322.47
26 12 19 00-0023		**Factory Modifications Material Cost Only** *(26 12 19 00-0014)*		
26 12 19 00-0024	EA	Loadbreaker Current Limiting Fuse Factory Modifications	5,678.45	
26 12 19 00-0025	EA	Lightning Arrestors, Factory Modifications	1,438.76	
26 12 19 00-0026	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications	4,474.87	
26 12 19 00-0027	EA	Loop Feed Air Switch, Factory Modifications	7,283.23	
26 12 19 00-0028	EA	Loadbreaker Inserts (Two), Factory Modifications	1,944.25	
26 12 19 00-0029	EA	Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications	1,681.93	
26 12 19 00-0030		**Primary, 12.47 KV Ground Y Or Delta** *(26 12 19 00-0014)* Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0031	EA	25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	26,111.08	528.99
26 12 19 00-0032	EA	37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	27,625.09	528.99
26 12 19 00-0033	EA	50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	28,540.22	724.71
26 12 19 00-0034	EA	75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	34,555.72	724.71
26 12 19 00-0035	EA	100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	44,149.16	952.17
26 12 19 00-0036	EA	167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	54,862.87	952.29
26 12 19 00-0037	EA	250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt	69,685.88	1,322.47
26 12 19 00-0038		**Oil Filled Distribution Transformer Single Phase Cluster Mounted** *(26 12 19 00-0001)* Note: Conventional type.		
26 12 19 00-0039		**13.8/14.4 KV Ground Y Or Delta Primary 120/240V** *(26 12 19 00-0038)* Note: 2.5 Taps FCBN and FCAN.		
26 12 19 00-0040	EA	10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	17,320.44	376.11
26 12 19 00-0041	EA	37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,336.26	528.91
26 12 19 00-0042	EA	50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	32,804.41	846.26
26 12 19 00-0043	EA	100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	59,510.87	846.26
26 12 19 00-0044	EA	167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	82,230.80	1,386.92
26 12 19 00-0045	EA	250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	111,081.01	1,386.92
26 12 19 00-0046		**Oil Filled Distribution Transformer Single Phase** *(26 12 19 00-0001)*		
26 12 19 00-0047		**7.2 KV Primary, 120/240 Volt Secondary** *(26 12 19 00-0046)*		
26 12 19 00-0048	EA	10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,763.22	399.62
26 12 19 00-0049	EA	15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,281.80	399.62
26 12 19 00-0050	EA	25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,620.11	564.17
26 12 19 00-0051	EA	37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,723.66	564.17

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0052	EA	50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,909.11	763.99
26 12 19 00-0053	EA	100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,087.81	1,175.35
26 12 19 00-0054	EA	167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	81,116.38	1,175.35
26 12 19 00-0055	EA	250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	109,360.78	1,469.19
26 12 19 00-0056		7.2 KV Primary, 240/480 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0057	EA	10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,763.22	399.62
26 12 19 00-0058	EA	15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,282.38	399.62
26 12 19 00-0059	EA	25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,620.11	564.17
26 12 19 00-0060	EA	37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,723.66	564.17
26 12 19 00-0061	EA	50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,909.11	763.99
26 12 19 00-0062	EA	75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,781.02	1,034.31
26 12 19 00-0063	EA	100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,087.81	1,034.31
26 12 19 00-0064	EA	167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	81,116.38	1,304.65
26 12 19 00-0065	EA	250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	109,360.78	1,469.19
26 12 19 00-0066		2.4 KV Primary, 277 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0067	EA	10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,511.82	399.62
26 12 19 00-0068	EA	15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	20,187.42	399.62
26 12 19 00-0069	EA	25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,879.43	564.17
26 12 19 00-0070	EA	37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	30,609.87	564.17
26 12 19 00-0071	EA	50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	35,227.60	763.99
26 12 19 00-0072	EA	75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	54,833.85	1,034.31
26 12 19 00-0073	EA	100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	64,198.47	1,034.31
26 12 19 00-0074	EA	167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	89,693.21	1,304.65
26 12 19 00-0075	EA	250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	120,987.69	1,469.19
26 12 19 00-0076		2.4 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0077	EA	10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,763.22	399.62
26 12 19 00-0078	EA	15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,281.80	399.62
26 12 19 00-0079	EA	25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,620.11	767.62
26 12 19 00-0080	EA	37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,723.66	1,034.31
26 12 19 00-0081	EA	50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,909.11	763.99
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,618.05	1,034.31
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,076.38	1,034.31
26 12 19 00-0084		2.4 KV Primary, 240/480 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	16,763.22	399.62
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,281.80	399.62
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	21,620.11	564.17
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	27,723.66	564.17
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	31,909.11	763.99
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	49,618.05	1,034.31
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	58,076.38	1,034.31
26 12 19 00-0092		2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary *(26 12 19 00-0046)*		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	14,045.54	411.38
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	15,212.47	458.39
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	18,656.86	505.40
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	23,537.40	705.22
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	26,119.38	822.75
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	36,676.49	963.79
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	44,331.74	1,104.84
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	70,477.84	1,410.42
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase	98,619.37	1,586.73
26 12 19 00-0102		3 Phase Pad Mounted Oil Filled Distribution Transformers *(26 12 19)*		
26 12 19 00-0103		Primary 4.16/4.8 KV Ground Y Secondary 120/240 Volt *(26 12 19 00-0102)* Note: 4-2.5 Percent taps FCBN, Class A, 95 KV BIL.		
26 12 19 00-0104	EA	112.5 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	28,259.78	1,541.06
26 12 19 00-0105	EA	150 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	35,699.99	1,651.14
26 12 19 00-0106	EA	225 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	47,503.26	2,091.45
26 12 19 00-0107	EA	300 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	62,118.49	2,641.82
26 12 19 00-0108	EA	500 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	92,584.85	2,972.06
26 12 19 00-0109	EA	750 KVA Transformer Primary 4.16 / 4.8 KV Ground Y, Secondary 120/240 Volt, 4 Taps, Oil Filled, 3 Phase	116,084.85	3,962.74
26 12 19 00-0110		Pad Mounted Commercial Type Distribution Transformers UL Listed *(26 12 19)*		
26 12 19 00-0111		Distribution 3 Phase Oil Filled Transformer *(26 12 19 00-0110)* Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0112		**Factory Modifications** *(26 12 19 00-0111)* Note: For use with series 4100 3 phase transformers.		
26 12 19 00-0113	EA	Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification	3,248.18	
26 12 19 00-0114	EA	Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification	528.19	
26 12 19 00-0115	EA	Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification	2,112.76	
26 12 19 00-0116	EA	Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification	6,086.98	
26 12 19 00-0117	EA	Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification	745.68	
26 12 19 00-0118	EA	Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification	590.33	
26 12 19 00-0119		**Accessories For Transformer Liquid Containment Area** *(26 12 19 00-0111)* Note: Reinforced concrete curb with 6" slab.		
26 12 19 00-0120	EA	Containment Area For 75 KVA	8,301.36	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,586.27*	
26 12 19 00-0121	EA	Containment Area For 112.5 KVA	8,301.36	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,586.27*	
26 12 19 00-0122	EA	Containment Area For 150 KVA	8,301.36	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,586.27*	
26 12 19 00-0123	EA	Containment Area For 225 KVA	8,301.36	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,586.27*	
26 12 19 00-0124	EA	Containment Area For 300 KVA	8,292.83	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,583.71*	
26 12 19 00-0125	EA	Containment Area For 500 KVA	8,292.83	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,583.71*	
26 12 19 00-0126	EA	Containment Area For 750 KVA	8,379.83	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,583.71*	
26 12 19 00-0127	EA	Containment Area For 1,000 KVA	9,641.27	2,379.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,583.71*	
26 12 19 00-0128		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0129	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,114.28	1,269.57
26 12 19 00-0130	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	20,978.47	1,269.57
26 12 19 00-0131	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,221.28	1,269.57
26 12 19 00-0132	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	25,949.68	1,269.57
26 12 19 00-0133	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,423.59	1,904.36
26 12 19 00-0134	EA	300 KVA, Primary4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	28,666.40	1,904.36
26 12 19 00-0135	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,580.00	1,904.36
26 12 19 00-0136	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	55,627.74	2,539.14
26 12 19 00-0137	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	71,784.14	2,539.14
26 12 19 00-0138		**Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL** *(26 12 19 00-0111)* Note: Rated to 5 KVA.		
26 12 19 00-0139	EA	45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	19,735.68	1,269.57
26 12 19 00-0140	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,221.28	1,269.57
26 12 19 00-0141	EA	112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	22,842.68	1,269.57
26 12 19 00-0142	EA	150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	23,464.08	1,269.57
26 12 19 00-0143	EA	225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	27,423.59	1,904.36
26 12 19 00-0144	EA	300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	29,909.20	1,904.36
26 12 19 00-0145	EA	500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	43,580.00	1,904.36
26 12 19 00-0146	EA	750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	56,249.14	2,539.14
26 12 19 00-0147	EA	1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	71,784.14	2,539.14
26 12 19 00-0148		**Primary 5 KV Or 15 KV, Secondary 277/480 Volt** *(26 12 19 00-0110)* Note: 4-2.5 Percent taps FCAN and FCBN. Pad mounted.		
26 12 19 00-0149	EA	150 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	68,420.98	1,695.17
26 12 19 00-0150	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	74,501.59	2,001.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 12 19 00-0151	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	83,338.15	2,445.89
26 12 19 00-0152	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	99,516.07	2,751.91
26 12 19 00-0153	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	123,132.10	2,896.65
26 12 19 00-0154	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	147,718.64	4,232.43
26 12 19 00-0155	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	174,210.93	4,788.31
26 12 19 00-0156	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	218,824.19	5,503.80
26 12 19 00-0157	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	242,643.42	5,778.99
26 12 19 00-0158	EA	3,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	255,337.85	6,439.67
26 12 19 00-0159	EA	3,750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, 3 Phase, Pad Mounted, Oil Filled, Commercial Type Distribution TransformersTransformer	294,382.59	6,879.97

26 12 19 00-0160 Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled *(26 12 19 00-0110)*

26 12 19 00-0161	EA	1,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	125,558.28	4,714.87
26 12 19 00-0162	EA	2,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	155,077.44	5,422.12
26 12 19 00-0163	EA	2,500 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	177,026.05	5,707.46
26 12 19 00-0164	EA	3,000 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	187,544.34	6,378.95
26 12 19 00-0165	EA	3,750 KVA, 15 KV - 480 Volt, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	211,138.38	6,572.24

26 12 19 00-0166 Silicone Filled Distribution Transformers, 3 Phase *(26 12 19 00-0110)*

Note: Primary 5 KV or 15 KV, secondary 277/480 V, 4-2.5 percent taps FCAN and FCBN. Pad mounted.

26 12 19 00-0167	EA	225 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	119,782.65	2,001.19
26 12 19 00-0168	EA	300 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	128,072.23	2,445.89
26 12 19 00-0169	EA	500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	150,241.63	2,751.91
26 12 19 00-0170	EA	750 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	182,844.87	2,896.65
26 12 19 00-0171	EA	1,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	217,832.34	4,232.43
26 12 19 00-0172	EA	1,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	278,119.23	4,788.31
26 12 19 00-0173	EA	2,000 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	338,855.61	5,503.80
26 12 19 00-0174	EA	2,500 KVA Primary 5 KV Or 15 KV, Secondary 277/480 Volt, 4 Taps, Silicon Filled, 3 Phase, Pad Mounted, Oil Filled, TransformersTransformer	388,543.76	5,778.99

26 13 Medium-Voltage Switchgear *(26 10)*

26 13 16 Medium-Voltage Fusible Interrupter Switchgear *(26 13)*

26 13 16 00-0001 "Switchyard", Substation Secondary Distribution Section *(26 13 16)*

Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.

26 13 16 00-0002 4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	15,562.96	1,222.37
		For Weatherproofing, Add	*3,252.45*	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	16,364.48	1,222.37
		For Weatherproofing, Add	*3,428.78*	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	22,388.33	1,557.35
		For Weatherproofing, Add	*4,719.23*	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	30,677.69	1,557.35
		For Weatherproofing, Add	*6,516.68*	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	44,213.41	1,880.57
		For Weatherproofing, Add	*9,463.25*	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	40,222.24	1,880.57
		For Weatherproofing, Add	*8,571.87*	

26 13 16 00-0009 7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section *(26 13 16 00-0001)*

26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	23,455.80	1,410.42
		For Weatherproofing, Add	*4,971.14*	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,751.51	1,763.03
		For Weatherproofing, Add	*6,078.26*	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	40,631.09	2,115.64
		For Weatherproofing, Add	*8,650.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0013		**13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	22,543.24	1,410.42
		For Weatherproofing, Add	*4,754.85*	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	31,186.49	1,410.42
		For Weatherproofing, Add	*6,622.55*	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	45,806.10	1,880.57
		For Weatherproofing, Add	*9,800.32*	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	28,346.82	1,880.57
		For Weatherproofing, Add	*5,975.11*	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	41,457.47	2,350.71
		For Weatherproofing, Add	*8,825.75*	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	58,301.83	2,350.71
		For Weatherproofing, Add	*12,495.98*	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	39,842.58	2,350.71
		For Weatherproofing, Add	*8,460.65*	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	55,539.65	2,350.71
		For Weatherproofing, Add	*11,880.14*	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section	72,228.21	2,350.71
		For Weatherproofing, Add	*15,519.60*	
26 13 16 00-0023		**4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0024	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	6,878.64	769.86
		For Weatherproofing, Add	*1,405.33*	
26 13 16 00-0025	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,051.59	769.86
		For Weatherproofing, Add	*1,883.38*	
26 13 16 00-0026	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,729.30	1,022.56
		For Weatherproofing, Add	*1,997.61*	
26 13 16 00-0027	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,056.53	1,263.51
		For Weatherproofing, Add	*2,475.50*	
26 13 16 00-0028	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	16,454.41	1,263.51
		For Weatherproofing, Add	*3,443.04*	
26 13 16 00-0029		**7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0030	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,748.99	1,175.35
		For Weatherproofing, Add	*1,801.80*	
26 13 16 00-0031	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	11,458.63	1,175.35
		For Weatherproofing, Add	*2,363.28*	
26 13 16 00-0032	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,645.85	1,175.35
		For Weatherproofing, Add	*3,690.30*	
26 13 16 00-0033		**13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section** *(26 13 16 00-0001)*		
26 13 16 00-0034	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,980.87	999.05
		For Weatherproofing, Add	*1,836.58*	
26 13 16 00-0035	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,609.74	999.05
		For Weatherproofing, Add	*1,974.93*	
26 13 16 00-0036	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,856.87	1,234.12
		For Weatherproofing, Add	*2,874.94*	
26 13 16 00-0037	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,175.07	1,480.95
		For Weatherproofing, Add	*2,470.75*	
26 13 16 00-0038	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,138.60	1,480.95
		For Weatherproofing, Add	*3,122.73*	
26 13 16 00-0039	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,393.89	1,727.77
		For Weatherproofing, Add	*3,583.96*	
26 13 16 00-0040	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	16,127.95	1,974.60
		For Weatherproofing, Add	*3,271.13*	
26 13 16 00-0041	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	18,158.65	1,974.60
		For Weatherproofing, Add	*3,717.88*	
26 13 16 00-0042	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	22,471.27	2,209.66
		For Weatherproofing, Add	*4,632.03*	
26 13 16 00-0043		**Accessories For Substation Secondary Distribution Sections** *(26 13 16 00-0001)*		
26 13 16 00-0044	EA	1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	4,248.95	744.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*446.90*	
26 13 16 00-0045	EA	2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	5,359.79	826.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*495.93*	
26 13 16 00-0046	EA	3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	7,034.97	994.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*596.63*	
26 13 16 00-0047	EA	3-Phase Pothead Termination Accessories, Secondary Distribution Section	4,050.31	1,495.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0048	EA	5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,665.78	93.22
26 13 16 00-0049	EA	5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,585.23	93.22
26 13 16 00-0050	EA	5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	13,933.57	93.22
26 13 16 00-0051	EA	15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	10,939.04	93.22
26 13 16 00-0052	EA	15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	11,946.64	93.22
26 13 16 00-0053	EA	15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	16,280.68	93.22
26 13 16 00-0054	EA	6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,538.11	93.22
26 13 16 00-0055	EA	9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,875.50	93.22
26 13 16 00-0056	EA	15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,394.65	93.22
26 13 16 00-0057	EA	Overcurrent Phase Protection, Time And Instantaneous Device 67	2,794.35	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 16 00-0058	EA	AC Ammeter With Switch	1,061.82	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 16 00-0059	EA	AC Voltmeter With Switch And Potential Transformer	1,061.82	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 16 00-0060	EA	Indicating Wattmeter	1,594.34	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 16 00-0061	EA	Indicating Varmeter	1,889.79	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 16 00-0062	EA	Indicating Watt-hour Meter, 2 Element	1,167.60	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 16 00-0063	EA	Ground Protection, Time Or Instantaneous Device 67N	2,864.00	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 16 00-0064	EA	Differential Generator Protection Single Phase NEMA Device 87	5,353.92	93.22
26 13 16 00-0065	EA	Current Transformers 5 And 15 KV Single Secondary	703.46	93.22
26 13 16 00-0066	EA	Potential Transformers 5 KV And 15 KV With Primary Fuses	3,555.75	93.22

26 13 19 Medium-Voltage Vacuum Interrupter Switchgear *(26 13)*

26 13 19 00-0001 Vacuum Circuit Breakers 13.8 KV *(26 13 19)*

26 13 19 00-0002	EA	1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	57,626.73	1,469.19
26 13 19 00-0003	EA	1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	63,597.59	1,857.06
26 13 19 00-0004	EA	1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	72,187.22	1,857.06
26 13 19 00-0005	EA	2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	66,126.67	1,469.19
26 13 19 00-0006	EA	2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	74,470.29	1,469.19
26 13 19 00-0007	EA	2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	84,866.90	1,727.77
26 13 19 00-0008	EA	3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	87,481.91	1,974.60
26 13 19 00-0009	EA	3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	95,867.90	1,974.60
26 13 19 00-0010	EA	3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section	104,725.26	2,221.42

26 13 29 Medium-Voltage Compartmentalized Switchgear *(26 13)*

26 13 29 00-0001 Substation Secondary Distribution Section *(26 13 29)*

Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.

26 13 29 00-0002 Switchgear Compartment Complete With Air Circuit Breaker *(26 13 29 00-0001)*

Note: With solid state long - time and instantaneous trips.

26 13 29 00-0003	EA	800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206	18,302.64	939.32
26 13 29 00-0004	EA	1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416	28,752.41	1,420.17
26 13 29 00-0005	EA	2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420	38,916.09	1,744.46
26 13 29 00-0006	EA	3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632	65,050.87	2,024.02
26 13 29 00-0007	EA	4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840	83,726.78	2,303.58

26 13 29 00-0008 Switchgear Compartment Without Circuit Breaker *(26 13 29 00-0001)*

26 13 29 00-0009	EA	800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	8,094.83	285.15
26 13 29 00-0010	EA	1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,353.91	285.15
26 13 29 00-0011	EA	2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,239.10	419.34
26 13 29 00-0012	EA	3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,562.00	419.34
26 13 29 00-0013	EA	4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	29,390.88	615.03

26 13 29 00-0014 Switchgear Compartment, Blank, Use As Filler Or Metering *(26 13 29 00-0001)*

Note: No provisions for future breaker.

26 13 29 00-0015	EA	600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section	8,210.44	318.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.23*	
26 13 29 00-0016	EA	3,000 Amperes, Blank Section Filler, Secondary Distribution Section	10,335.96	318.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*213.93*	
26 13 29 00-0017	EA	4,000 Amperes, Blank Section Filler, Secondary Distribution Section	13,365.67	492.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.52*	

26 13 29 00-0018 Accessories For Substation Secondary Distribution *(26 13 29 00-0001)*

26 13 29 00-0019	EA	Short Time Delay Accessories, Secondary Distribution Section	4,628.87	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 29 00-0020	EA	Key Interlock Accessories, Secondary Distribution Section	3,561.88	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 29 00-0021	EA	Ammeter And Switch Complete Accessories, Secondary Distribution Section	11,675.02	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 29 00-0022	EA	Voltmeter And Switch Complete Accessories, Secondary Distribution Section	11,675.02	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 29 00-0023	EA	Wattmeter - Complete Accessories, Secondary Distribution Section	15,500.08	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 29 00-0024	EA	Watt-hour Meter - Complete Accessories, Secondary Distribution Section	20,130.41	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 29 00-0025	EA	Circuit Breaker Lifting Device Accessories, Secondary Distribution Section	8,594.17	106.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.78*	
26 13 29 00-0026	EA	Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section	23,778.03	1,574.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*944.87*	
26 13 29 00-0027	EA	Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800	5,192.56	93.22
26 13 29 00-0028	EA	Potential Transformers Each With Fuses Accessories, Secondary Distribution Section	6,129.81	93.22
26 13 29 00-0029	EA	Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section	3,280.77	46.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*27.97*	
26 13 29 00-0030	EA	3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section	25,331.14	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 13 29 00-0031	EA	3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section	3,119.71	46.61

26 18 Medium-Voltage Circuit Protection Devices *(26 10)*

26 18 36 Medium-Voltage Enclosed Fuses *(26 18)*

26 18 36 00-0001 Sectionalizing Switch *(26 18 36)*

26 18 36 00-0002 Pad Mounted Metal Enclosed Oil Filled Switching Units *(26 18 36 00-0001)*
Note: 15 KV - 25 KV.

26 18 36 00-0003 Sectionalizing Tapping And Fusing Underground Feeders *(26 18 36 00-0002)*
Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.

26 18 36 00-0004	EA	3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	76,825.27	793.48
26 18 36 00-0005	EA	3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground	86,452.55	793.48

26 19 High-Voltage Circuit Protection *(26 10)*

26 19 18 Protection Devices *(26 19)*

26 19 18 00-0001 Primary Fuse Cutouts *(26 19 18)*
Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.

26 19 18 00-0002 Non-Loadbreak Current Limiting Primary Fuse Cutouts *(26 19 18 00-0001)*
Note: Includes the fuse and cutout switch.

26 19 18 00-0003 8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0004	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	702.88	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0005	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	820.42	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.30*	
26 19 18 00-0006	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	937.56	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.45*	
26 19 18 00-0007	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	959.67	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.57*	
26 19 18 00-0008	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting	959.67	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.57*	

26 19 18 00-0009 17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0010	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting	702.88	235.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	

26 19 18 00-0011 17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting *(26 19 18 00-0002)*

26 19 18 00-0012	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting	732.23	235.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	

26 19 18 00-0013 Fuseholders *(26 19 18 00-0002)*
Note: Including current limiting fuse.

26 19 18 00-0014	EA	15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	579.17	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0015	EA	25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	696.71	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.30*	
26 19 18 00-0016	EA	40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	813.85	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.45*	
26 19 18 00-0017	EA	100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	589.33	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0018	EA	200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	706.87	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.30*	
26 19 18 00-0019	EA	15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting	579.17	235.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	

26 19 18 00-0020 Accessories *(26 19 18 00-0002)*

26 19 18 00-0021	EA	Hot Line Clamp	89.06	26.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0022	EA	Stirrup	98.37	26.45
26 19 18 00-0023		**Loadbreak Current Limiting Primary Fuse Cutouts** *(26 19 18 00-0001)*		
		Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.		
26 19 18 00-0024		**8.3 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0025	EA	15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	931.42	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0026	EA	25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,048.96	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.30*	
26 19 18 00-0027	EA	40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,166.10	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.45*	
26 19 18 00-0028	EA	100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,209.51	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.57*	
26 19 18 00-0029	EA	200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting	1,209.51	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.57*	
26 19 18 00-0030		**17.1 KV-95 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0031	EA	15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting	931.42	235.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0032		**17.1 KV-125 KV BIL Loadbreak Current Limiting** *(26 19 18 00-0023)*		
26 19 18 00-0033	EA	15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting	931.42	235.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0034		**Fuseholders** *(26 19 18 00-0023)*		
		Note: Includes current limiting fuses.		
26 19 18 00-0035	EA	15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	589.65	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0036	EA	25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	707.19	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*176.30*	
26 19 18 00-0037	EA	40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	824.33	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*211.45*	
26 19 18 00-0038	EA	15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting	589.65	293.84
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*141.04*	
26 19 18 00-0039		**Pole Mounted Capacitors** *(26 19 18 00-0023)*		
26 19 18 00-0040	EA	Capacitors - Pole Mounted 6 KVAR	1,776.53	236.95
26 19 80		**Transmission and Distribution Accessories** *(26 19)*		
26 19 80 60		**Structure Assemblies** *(26 19 80)*		
26 19 80 60-0001		Pole Structure Assemblies *(26 19 80 60)*		
26 19 80 60-0002		5 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA	Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	489.67	223.31
26 19 80 60-0004	EA	Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	817.07	376.11
26 19 80 60-0005	EA	Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	997.39	293.84
26 19 80 60-0006	EA	Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	580.33	152.80
26 19 80 60-0007	EA	Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	725.89	211.57
26 19 80 60-0008	EA	Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,242.11	423.12
26 19 80 60-0009	EA	Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	982.96	317.35
26 19 80 60-0010	EA	Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,764.11	634.69
26 19 80 60-0011	EA	Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,010.02	716.96
26 19 80 60-0012	EA	Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,114.90	352.61
26 19 80 60-0013	EA	Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	909.33	376.11
26 19 80 60-0014	EA	Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,678.18	763.99
26 19 80 60-0015	EA	Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,340.47	458.39
26 19 80 60-0016	EA	Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	816.52	329.10
26 19 80 60-0017	EA	Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,505.28	669.95
26 19 80 60-0018	EA	Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,243.59	340.85
26 19 80 60-0019		15 KV Pole Structure Assemblies *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA	Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	519.02	223.31
26 19 80 60-0021	EA	Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	859.00	376.11
26 19 80 60-0022	EA	Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,139.97	293.84
26 19 80 60-0023	EA	Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	630.65	152.80
26 19 80 60-0024	EA	Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	797.18	199.81
26 19 80 60-0025	EA	Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,384.69	423.12
26 19 80 60-0026	EA	Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,087.80	317.35
26 19 80 60-0027	EA	Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,977.98	634.69
26 19 80 60-0028	EA	Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,299.37	716.96
26 19 80 60-0029	EA	Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,257.48	352.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0030	EA	Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	963.84	376.11
26 19 80 60-0031	EA	Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,732.69	763.99
26 19 80 60-0032	EA	Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,449.50	458.39
26 19 80 60-0033	EA	Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	871.03	317.35
26 19 80 60-0034	EA	Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,559.79	669.95
26 19 80 60-0035	EA	Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,352.62	411.38
26 19 80 60-0036		**25 KV Pole Structure Assemblies** *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA	Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,756.50	352.61
26 19 80 60-0038	EA	Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,095.49	176.30
26 19 80 60-0039	EA	Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,584.32	270.34
26 19 80 60-0040	EA	Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,981.35	552.42
26 19 80 60-0041	EA	Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,951.21	411.38
26 19 80 60-0042	EA	Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	3,065.69	811.00
26 19 80 60-0043	EA	Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,852.41	916.77
26 19 80 60-0044	EA	Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,048.45	534.79
26 19 80 60-0045	EA	Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,764.29	534.79
26 19 80 60-0046		**50 KV Pole Structure Assemblies** *(26 19 80 60-0001)*		
		Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA	Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,359.31	481.89
26 19 80 60-0048	EA	Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,293.82	246.82
26 19 80 60-0049	EA	Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	1,592.91	387.87
26 19 80 60-0050	EA	Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,967.76	787.49
26 19 80 60-0051	EA	Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,282.42	587.68
26 19 80 60-0052	EA	Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	4,359.38	1,175.35
26 19 80 60-0053	EA	Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	5,203.46	1,304.65
26 19 80 60-0054	EA	Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,669.90	634.69
26 19 80 60-0055	EA	Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,639.16	734.60
26 19 80 60-0056	EA	Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer	2,552.74	693.46
26 19 80 60-0057		**Overhead To Underground Conversion Structures** *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
26 19 80 60-0058		**5 KV Structures** *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0059	EA	(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,301.17	2,350.71
26 19 80 60-0060	EA	(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,301.17	2,350.71
26 19 80 60-0061	EA	(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,301.17	2,350.71
26 19 80 60-0062	EA	(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles	5,301.17	2,350.71
26 19 80 60-0063		**15 KV Structures** *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0064	EA	(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,498.48	2,350.71
26 19 80 60-0065	EA	(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,498.48	2,350.71
26 19 80 60-0066	EA	(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,498.48	2,350.71
26 19 80 60-0067	EA	(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles	5,498.48	2,350.71
26 19 80 60-0068		**25 KV Structures** *(26 19 80 60-0057)*		
		Note: Excludes pole.		
26 19 80 60-0069	EA	(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,713.74	2,350.71
26 19 80 60-0070	EA	(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,713.74	2,350.71
26 19 80 60-0071	EA	(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,713.74	2,350.71
26 19 80 60-0072	EA	(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles	5,713.74	2,350.71
26 19 80 60-0073		**Transformer Stations** *(26 19 80 60)*		
		Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
26 19 80 60-0074		**5 KV Station** *(26 19 80 60-0073)*		
26 19 80 60-0075	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	8,804.50	3,133.50
26 19 80 60-0076	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole	9,863.48	3,526.07
26 19 80 60-0077	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole	10,922.45	3,917.46
26 19 80 60-0078	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole	10,922.45	3,917.46
26 19 80 60-0079	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole	8,804.50	3,133.50
26 19 80 60-0080		**15 KV Stations** *(26 19 80 60-0073)*		
26 19 80 60-0081	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	9,109.46	3,132.61
26 19 80 60-0082	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole	10,168.44	3,526.07
26 19 80 60-0083	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole	11,227.41	3,917.46
26 19 80 60-0084	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole	11,227.41	3,917.46
26 19 80 60-0085	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole	9,109.46	3,133.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 80 60-0086		25 KV Stations *(26 19 80 60-0073)*		
26 19 80 60-0087	EA	(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	9,442.14	3,133.50
26 19 80 60-0088	EA	(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole	10,501.12	3,526.07
26 19 80 60-0089	EA	(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole	11,560.09	3,917.46
26 19 80 60-0090	EA	(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole	11,560.09	3,917.46
26 19 80 60-0091	EA	(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole	9,442.14	3,133.50

26 20 Low-Voltage Electrical Distribution *(26)*

26 21 Low-Voltage Electrical Service Entrance *(26 20)*

See CSI section 26 05 13 00-0000 for wire and cables.

26 21 13 Low-Voltage Overhead Electrical Service Entrance *(26 21)*

26 21 13 00-0001		Service Drop Cable And Weatherheads *(26 21 13)*		
26 21 13 00-0002		600 Volt Insulated Stranded Conductors *(26 21 13 00-0001)*		
26 21 13 00-0003		Aluminum Duplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0004	LF	#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	7.80	2.80
26 21 13 00-0005	LF	#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.50	3.31
26 21 13 00-0006	LF	#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.45	3.73
26 21 13 00-0007	LF	1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable	15.69	4.70
26 21 13 00-0008		Aluminum Triplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0009	LF	#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	9.68	3.31
26 21 13 00-0010	LF	#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.20	3.73
26 21 13 00-0011	LF	#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.30	4.70
26 21 13 00-0012	LF	1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	18.18	5.73
26 21 13 00-0013	LF	2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	23.56	7.58
26 21 13 00-0014	LF	4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	30.48	9.40
26 21 13 00-0015	LF	336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable	42.82	11.19
26 21 13 00-0016		Aluminum Quadruplex ACSR Neutral *(26 21 13 00-0002)*		
26 21 13 00-0017	LF	#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	11.25	3.73
26 21 13 00-0018	LF	#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	14.29	4.70
26 21 13 00-0019	LF	#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	18.52	6.02
26 21 13 00-0020	LF	1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	24.66	7.58
26 21 13 00-0021	LF	2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	27.53	8.39
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	32.31	9.40
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	37.79	11.19
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable	49.73	12.37
26 21 13 00-0025		Weatherproof Conduit Hubs *(26 21 13 00-0002)*		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs	47.57	17.96
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs	54.29	20.41
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs	63.29	22.86
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs	88.61	30.61
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs	97.60	33.07
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs	127.28	38.37
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs	169.06	43.26
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs	219.63	51.02
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs	385.89	102.05
26 21 13 00-0035		Galvanized Threaded Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service	53.61	17.96
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service	61.53	20.41
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	70.57	22.86
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	94.83	30.61
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service	107.60	33.07
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service	142.51	38.37
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service	244.50	43.26
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service	277.93	51.02
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service	452.94	102.05
26 21 13 00-0045		Aluminum Clamp-On Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	51.71	17.96
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	58.33	20.41
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service	66.24	22.76
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	87.99	30.61
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	98.36	33.07
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	116.11	38.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	194.99	43.26
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	253.03	51.02
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	355.18	76.53
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	423.30	102.05
26 21 13 00-0056		Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap *(26 21 13 00-0002)*		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service	49.30	17.96
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service	56.41	20.41
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service	64.09	22.76
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	85.36	30.61
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service	93.00	33.07
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service	114.19	38.37
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service	192.28	43.26
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service	215.29	51.02
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service	370.68	76.53
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service	513.66	102.05

26 21 16 Low-Voltage Underground Electrical Service Entrance *(26 21)*

26 21 16 00-0001 Aluminum Triplex For Underground Service, Direct Burial *(26 21 16)*
Note: Excludes excavation and backfill.

26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,288.74	1,044.78
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	4,994.27	1,106.24
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	6,028.96	1,175.35
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	7,353.30	1,175.35
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	8,237.21	1,253.75
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	9,827.20	1,446.63
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial	11,943.74	1,880.57

26 22 Low-Voltage Transformers *(26 20)*

26 22 13 Low-Voltage Distribution Transformers *(26 22)*

26 22 13 00-0001 Single Phase General Purpose "Dry Type" Transformers *(26 22 13)*
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.

26 22 13 00-0002 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.

26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,638.17	263.39
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,324.10	316.06
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,078.15	329.75
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,839.14	342.40
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	5,681.81	368.74
26 22 13 00-0008	EA	15 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,859.78	395.08
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*455.22*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*303.48*	
26 22 13 00-0009	EA	25 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,542.17	421.41
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*502.45*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*334.97*	
26 22 13 00-0010	EA	37.5 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,193.32	474.09
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*468.38*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*312.26*	
26 22 13 00-0011	EA	50 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,652.70	526.77
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*569.94*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*379.96*	
26 22 13 00-0012	EA	75 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	11,565.01	632.12
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*772.56*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*515.04*	
26 22 13 00-0013	EA	100 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,797.45	737.48
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*999.19*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*666.13*	
26 22 13 00-0014	EA	167 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	23,994.25	948.19
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,657.34*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,104.89*	
26 22 13 00-0015	EA	250 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	44,239.61	1,158.90
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,144.14*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,096.09*	
26 22 13 00-0016	EA	333 KVA, 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	70,268.50	1,316.92
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*5,072.60*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,381.73*	

26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers *(26 22 13 00-0001)*
Note: 1-10 Percent x 2-5 percent FCBN taps.

26 22 13 00-0018	EA	3 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,806.86	316.06
26 22 13 00-0019	EA	5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,249.33	329.24
26 22 13 00-0020	EA	7.5 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,912.66	342.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0021	EA	10 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,503.15	368.74
26 22 13 00-0022		**240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023	EA	15 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,163.26	395.08
26 22 13 00-0024	EA	25 KVA, 240 x 480 Volt - 120/240 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	7,877.14	421.41
26 22 13 00-0025		**208 x 230 Volt, 120 Volt, General Purpose Dry Type Transformers** *(26 22 13 00-0001)*		
		Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0026	EA	0.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,329.26	237.05
26 22 13 00-0027	EA	1 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	1,521.17	263.39
26 22 13 00-0028	EA	2 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,065.95	289.72
26 22 13 00-0029	EA	3 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,426.28	316.06
26 22 13 00-0030	EA	5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	2,768.18	329.75
26 22 13 00-0031	EA	7.5 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	3,231.51	342.40
26 22 13 00-0032	EA	10 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,291.99	368.74
26 22 13 00-0033	EA	15 KVA, 208/230 Volt - 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,069.21	395.08
26 22 13 00-0034		**1 Phase Mounting Brackets** *(26 22 13 00-0001)*		
26 22 13 00-0035	EA	1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA	555.44	186.44
26 22 13 00-0036		**1 Phase Weathershields** *(26 22 13 00-0001)*		
		Note: Use with types DT-3 and DS-3.		
26 22 13 00-0037	EA	37.5 KVA 1 Phase Weathershields, Set Of 2	218.65	
26 22 13 00-0038	EA	50 KVA 1 Phase Weathershields, Set Of 2	278.70	
26 22 13 00-0039	EA	75 KVA 1 Phase Weathershields, Set Of 2	332.34	
26 22 13 00-0040	EA	100 KVA 1 Phase Weathershields, Set Of 2	396.48	
26 22 13 00-0041	EA	167 KVA 1 Phase Weathershields, Set Of 2	536.41	
26 22 13 00-0042	EA	250 KVA 1 Phase Weathershields, Set Of 2	641.36	
26 22 13 00-0043	EA	333 KVA 1 Phase Weathershields, Set Of 2	787.13	
26 22 13 00-0044		**Packaged Power Supply** *(26 22 13 00-0001)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0045	EA	5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers	3,872.91	329.24
26 22 13 00-0046	EA	7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers	4,443.42	342.40
26 22 13 00-0047	EA	10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers	4,820.22	368.74
26 22 13 00-0048	EA	15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers	6,089.09	395.08
26 22 13 00-0049	EA	25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers	8,746.65	421.41
26 22 13 00-0050		**240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade** *(26 22 13 00-0001)*		
26 22 13 00-0051	EA	0.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	2,893.78	237.05
26 22 13 00-0052	EA	1 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,287.49	263.39
26 22 13 00-0053	EA	2.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	4,975.90	316.06
26 22 13 00-0054	EA	5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	5,556.14	329.24
26 22 13 00-0055	EA	7.5 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	6,340.46	342.40
26 22 13 00-0056	EA	10 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	8,375.53	368.74
26 22 13 00-0057	EA	15 KVA, 240 Volt - 120/240 Volt, 1 Phase, 60 Hertz, Isolation Transformer	11,098.60	395.08
26 22 13 00-0058		**600 Volt, 208/120 Volt, Dry General Purpose Transformer** *(26 22 13 00-0001)*		
26 22 13 00-0059	EA	15 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	13,910.94	395.08
26 22 13 00-0060	EA	25 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,398.52	421.41
26 22 13 00-0061	EA	30 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	14,932.35	447.75
26 22 13 00-0062	EA	37.5 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,017.47	474.09
26 22 13 00-0063	EA	45 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	20,780.57	500.44
26 22 13 00-0064	EA	50 KVA, 600 Volt, 208 Y / 120 Volt, 1 Phase, 60 Hertz, General Purpose Dry Type Transformer	28,088.01	526.77
26 22 13 00-0065		**3 Phase General Purpose "Dry Type" Transformer** *(26 22 13)*		
		Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0066		**Packaged Power Supply** *(26 22 13 00-0065)*		
		Note: 2-5 Percent FCBN taps.		
26 22 13 00-0067	EA	15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers	17,672.66	1,132.55
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,155.57*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*770.38*	
26 22 13 00-0068	EA	22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers	21,516.41	1,211.57
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,432.00*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*954.66*	
26 22 13 00-0069	EA	30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers	26,061.01	1,316.92
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,757.04*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,171.36*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0070		**Drive Isolation Transformers** *(26 22 13 00-0065)*			
		Note: Only use in step-up applications.			
26 22 13 00-0071		**230 Volt Drive Isolation Transformers** *(26 22 13 00-0070)*			
26 22 13 00-0072	EA	7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		9,004.43	421.41
26 22 13 00-0073	EA	11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		10,583.58	447.75
26 22 13 00-0074	EA	15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		10,941.55	474.09
26 22 13 00-0075	EA	20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		12,976.61	500.44
26 22 13 00-0076	EA	27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		13,395.40	553.11
26 22 13 00-0077	EA	34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		14,730.09	605.79
26 22 13 00-0078	EA	40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		16,683.50	658.46
26 22 13 00-0079	EA	51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		19,442.65	737.48
26 22 13 00-0080	EA	63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		21,078.81	763.81
26 22 13 00-0081	EA	75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		24,432.75	790.15
26 22 13 00-0082	EA	93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		30,929.21	816.49
26 22 13 00-0083	EA	118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		34,631.79	1,000.86
26 22 13 00-0084	EA	145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		38,697.85	1,053.54
26 22 13 00-0085	EA	175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		44,441.01	1,106.21
26 22 13 00-0086	EA	220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		54,245.19	1,316.92
26 22 13 00-0087	EA	275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		72,076.39	1,553.97
26 22 13 00-0088	EA	330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		75,999.01	1,712.00
26 22 13 00-0089	EA	440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		92,760.13	1,896.37
26 22 13 00-0090	EA	550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		114,747.67	2,107.08
26 22 13 00-0091		**208V Drive Isolation Transformers** *(26 22 13 00-0070)*			
26 22 13 00-0092	EA	7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		9,419.85	421.41
26 22 13 00-0093	EA	11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		11,076.70	447.75
26 22 13 00-0094	EA	15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		11,450.21	474.09
26 22 13 00-0095	EA	20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		13,586.18	500.44
26 22 13 00-0096	EA	27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		14,020.92	553.11
26 22 13 00-0097	EA	30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		15,365.51	579.45
26 22 13 00-0098	EA	45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		17,518.33	684.80
26 22 13 00-0099	EA	51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		20,357.20	737.48
26 22 13 00-0100	EA	63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		22,073.97	763.81
26 22 13 00-0101	EA	75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		25,595.94	790.15
26 22 13 00-0102	EA	93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		32,420.39	816.49
26 22 13 00-0103	EA	118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		36,292.66	1,000.86
26 22 13 00-0104	EA	145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		40,560.32	1,053.54
26 22 13 00-0105	EA	175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		46,590.45	1,106.21
26 22 13 00-0106	EA	220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers		56,872.21	1,316.92
26 22 13 00-0107		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps** *(26 22 13 00-0065)*			
26 22 13 00-0108	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer		6,187.18	434.59
26 22 13 00-0109	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer		8,245.14	474.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*364.85*		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*547.27*		
26 22 13 00-0110		**480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps** *(26 22 13 00-0065)*			
26 22 13 00-0111	EA	30 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer		9,174.40	579.45
		For K13 Factor Rating, Add	*8,015.50*		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*601.16*		
		For K4 Factor Rating, Add	*5,610.85*		
		For K20 Factor Rating, Add	*10,420.15*		
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*400.78*		
26 22 13 00-0112	EA	37.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer		11,171.85	632.12
		For K13 Factor Rating, Add	*9,907.60*		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*743.07*		
		For K4 Factor Rating, Add	*6,935.32*		
		For K20 Factor Rating, Add	*12,879.88*		
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*495.38*		
26 22 13 00-0113	EA	45 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer		11,646.31	684.80
		For K13 Factor Rating, Add	*10,276.71*		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*770.75*		
		For K4 Factor Rating, Add	*7,193.70*		
		For K20 Factor Rating, Add	*13,359.72*		
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*513.84*		
26 22 13 00-0114	EA	50 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer		15,520.93	737.48
		For K13 Factor Rating, Add	*14,045.98*		
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,053.45*		
		For K4 Factor Rating, Add	*9,832.19*		
		For K20 Factor Rating, Add	*18,259.77*		
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*702.30*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0115	EA	75 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	15,216.84	790.15
		For K13 Factor Rating, Add	*13,636.53*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,022.74*	
		For K4 Factor Rating, Add	*9,545.57*	
		For K20 Factor Rating, Add	*17,727.49*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*681.83*	
26 22 13 00-0116	EA	112.5 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,991.34	948.19
		For K13 Factor Rating, Add	*17,094.97*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,282.12*	
		For K4 Factor Rating, Add	*11,966.48*	
		For K20 Factor Rating, Add	*22,223.46*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*854.75*	
26 22 13 00-0117	EA	150 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	24,905.85	1,053.54
		For K13 Factor Rating, Add	*22,798.77*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,709.91*	
		For K4 Factor Rating, Add	*15,959.14*	
		For K20 Factor Rating, Add	*29,638.40*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,139.94*	
26 22 13 00-0118	EA	225 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	34,134.62	1,316.92
		For K13 Factor Rating, Add	*31,500.77*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,362.56*	
		For K4 Factor Rating, Add	*22,050.54*	
		For K20 Factor Rating, Add	*40,951.00*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,575.04*	
26 22 13 00-0119	EA	300 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	41,568.56	1,632.99
		For K13 Factor Rating, Add	*38,302.59*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,872.69*	
		For K4 Factor Rating, Add	*26,811.81*	
		For K20 Factor Rating, Add	*49,793.37*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,915.13*	
26 22 13 00-0120	EA	500 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	60,091.39	2,001.73
		For K13 Factor Rating, Add	*56,087.94*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,206.60*	
		For K4 Factor Rating, Add	*39,261.56*	
		For K20 Factor Rating, Add	*72,914.32*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,804.40*	
26 22 13 00-0121	EA	750 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	141,657.62	2,433.35
		For K13 Factor Rating, Add	*136,811.33*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*10,260.85*	
		For K4 Factor Rating, Add	*95,767.93*	
		For K20 Factor Rating, Add	*177,854.73*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*6,840.57*	
26 22 13 00-0122	EA	1,000 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	187,414.22	2,633.85
		For K13 Factor Rating, Add	*182,146.52*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*13,660.99*	
		For K4 Factor Rating, Add	*127,502.56*	
		For K20 Factor Rating, Add	*236,790.48*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*9,107.33*	

26 22 13 00-0123 480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0124	EA	6 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	4,961.31	408.25
		For K13 Factor Rating, Add	*4,144.82*	
		For K20 Factor Rating, Add	*5,388.27*	
		For K4 Factor Rating, Add	*2,901.37*	
26 22 13 00-0125	EA	9 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	6,187.18	434.59
		For K13 Factor Rating, Add	*5,318.01*	
		For K20 Factor Rating, Add	*6,913.41*	
		For K4 Factor Rating, Add	*3,722.61*	
26 22 13 00-0126	EA	15 KVA, 480 x 208 Y / 120 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	8,245.14	474.09
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*364.85*	
		For K13 Factor Rating, Add	*7,296.95*	
		For K20 Factor Rating, Add	*9,486.04*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*547.27*	
		For K4 Factor Rating, Add	*5,107.87*	

26 22 13 00-0127 480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps *(26 22 13 00-0065)*

26 22 13 00-0128	EA	30 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	16,416.74	579.45
		For K4 Factor Rating, Add	*10,680.49*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,144.34*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*762.89*	
		For K13 Factor Rating, Add	*15,257.84*	
		For K20 Factor Rating, Add	*19,835.19*	
26 22 13 00-0129	EA	45 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	18,348.54	684.80
		For K4 Factor Rating, Add	*11,885.26*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,273.42*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*848.95*	
		For K13 Factor Rating, Add	*16,978.94*	
		For K20 Factor Rating, Add	*22,072.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0130	EA	75 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	27,403.26	790.15
		For K4 Factor Rating, Add	*18,076.07*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*1,936.72*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,291.15*	
		For K13 Factor Rating, Add	*25,822.95*	
		For K20 Factor Rating, Add	*33,569.84*	
26 22 13 00-0131	EA	112.5 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	34,468.35	948.19
		For K4 Factor Rating, Add	*22,800.39*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,442.90*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,628.60*	
		For K13 Factor Rating, Add	*32,571.98*	
		For K20 Factor Rating, Add	*42,343.57*	
26 22 13 00-0132	EA	150 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	41,647.25	1,053.54
		For K4 Factor Rating, Add	*27,678.12*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*2,965.51*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*1,977.01*	
		For K13 Factor Rating, Add	*39,540.17*	
		For K20 Factor Rating, Add	*51,402.22*	
26 22 13 00-0133	EA	225 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	53,435.31	1,316.92
		For K4 Factor Rating, Add	*35,561.02*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*3,810.11*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*2,540.07*	
		For K13 Factor Rating, Add	*50,801.46*	
		For K20 Factor Rating, Add	*66,041.90*	
26 22 13 00-0134	EA	300 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	64,922.60	1,632.99
		For K4 Factor Rating, Add	*43,159.64*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*4,624.25*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*3,082.83*	
		For K13 Factor Rating, Add	*61,656.63*	
		For K20 Factor Rating, Add	*80,153.62*	
26 22 13 00-0135	EA	500 KVA, 480 x 480 Y / 277 Volt, 3 Phase, 60 Hertz, General Purpose Dry Type Transformer	105,271.16	2,001.73
		For K4 Factor Rating, Add	*70,887.40*	
		For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add	*7,595.08*	
		For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add	*5,063.39*	
		For K13 Factor Rating, Add	*101,267.71*	
		For K20 Factor Rating, Add	*131,648.02*	

26 22 13 00-0136 3 Phase 60 Hz K20 Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0137 3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise *(26 22 13 00-0136)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0138	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	7,658.55	474.09
26 22 13 00-0139	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	11,788.46	579.45
26 22 13 00-0140	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	17,555.67	684.80
26 22 13 00-0141	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	22,562.26	790.15
26 22 13 00-0142	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	34,262.07	948.19
26 22 13 00-0143	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	41,827.74	1,053.54
26 22 13 00-0144	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	48,504.07	1,316.92
26 22 13 00-0145	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 115 Degree C Temperature Rise, K20 Dry Type Transformer	77,743.83	1,632.99

26 22 13 00-0146 3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise *(26 22 13 00-0136)*

Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.

26 22 13 00-0147	EA	15 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	9,005.77	474.09
26 22 13 00-0148	EA	30 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	13,915.67	579.45
26 22 13 00-0149	EA	45 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	20,791.60	684.80
26 22 13 00-0150	EA	75 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	26,752.20	790.15
26 22 13 00-0151	EA	112.5 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	40,733.93	948.19
26 22 13 00-0152	EA	150 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	49,775.75	1,053.54
26 22 13 00-0153	EA	225 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	57,676.82	1,316.92
26 22 13 00-0154	EA	300 KVA, 480 Volt - 208 Y / 120 Volt, 3 Phase, 60 Hertz, 80 Degree C Temperature Rise, K20 Dry Type Transformer	92,640.69	1,632.99

26 22 13 00-0155 NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0065)*

26 22 13 00-0156 Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)*

Note: Two taps at 2.5%, four at -2.5%.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0157		150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0158	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,371.81	476.09
26 22 13 00-0159	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,112.99	581.89
26 22 13 00-0160	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,959.02	687.68
26 22 13 00-0161	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,664.83	793.48
26 22 13 00-0162	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,922.24	952.17
26 22 13 00-0163	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	11,105.70	1,057.98
26 22 13 00-0164	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	14,728.43	1,322.47
26 22 13 00-0165	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	20,744.82	1,639.86
26 22 13 00-0166		115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0167	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,099.81	476.09
26 22 13 00-0168	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,994.82	581.89
26 22 13 00-0169	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	6,034.36	687.68
26 22 13 00-0170	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	8,188.43	793.48
26 22 13 00-0171	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	10,494.84	952.17
26 22 13 00-0172	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	13,802.63	1,057.98
26 22 13 00-0173	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	18,353.72	1,322.47
26 22 13 00-0174	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	25,984.35	1,639.86
26 22 13 00-0175		80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0156)*		
26 22 13 00-0176	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,824.87	476.09
26 22 13 00-0177	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,879.10	581.89
26 22 13 00-0178	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,109.71	687.68
26 22 13 00-0179	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,709.59	793.48
26 22 13 00-0180	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,478.95	952.17
26 22 13 00-0181	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	16,499.55	1,057.98
26 22 13 00-0182	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	21,979.02	1,322.47
26 22 13 00-0183	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	31,223.88	1,639.86
26 22 13 00-0184		Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0155)* Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0185		150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0186	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	4,582.36	476.09
26 22 13 00-0187	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,585.16	581.89
26 22 13 00-0188	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,749.62	687.68
26 22 13 00-0189	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	9,202.53	793.48
26 22 13 00-0190	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,508.34	952.17
26 22 13 00-0191	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	15,693.66	1,057.98
26 22 13 00-0192	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	20,893.88	1,322.47
26 22 13 00-0193	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	29,658.63	1,639.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0194		115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0195	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	5,307.42	476.09
26 22 13 00-0196	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,469.44	581.89
26 22 13 00-0197	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,824.97	687.68
26 22 13 00-0198	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	10,726.15	793.48
26 22 13 00-0199	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	16,368.79	952.17
26 22 13 00-0200	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	20,656.39	1,057.98
26 22 13 00-0201	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	26,371.02	1,322.47
26 22 13 00-0202	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	39,331.80	1,639.86
26 22 13 00-0203		80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers *(26 22 13 00-0184)*		
26 22 13 00-0204	EA	15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	6,034.93	476.09
26 22 13 00-0205	EA	30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	7,353.71	581.89
26 22 13 00-0206	EA	45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	8,900.30	687.68
26 22 13 00-0207	EA	75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	12,247.29	793.48
26 22 13 00-0208	EA	112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	19,469.90	952.17
26 22 13 00-0209	EA	150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	25,156.17	1,057.98
26 22 13 00-0210	EA	225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	31,845.70	1,322.47
26 22 13 00-0211	EA	300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer	47,057.60	1,639.86
26 22 13 00-0212		3 Phase Weathershields *(26 22 13 00-0065)*		
		Note: Use with type DT-3 and DS-3.		
26 22 13 00-0213	EA	45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	1,772.67	
26 22 13 00-0214	EA	150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,010.31	
26 22 13 00-0215	EA	500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2	3,010.31	
26 22 13 00-0216		Three Phase Mounting Brackets *(26 22 13 00-0065)*		
26 22 13 00-0217	EA	3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA	1,319.16	186.44
26 22 13 00-0218		Foam Core Poly Transformer Pads *(26 22 13)*		
26 22 13 00-0219	EA	Single Phase Foam Core Poly Pads Note: Excludes site prep.	451.76	35.96

26 24 Switchboards and Panelboards *(26 20)*

26 24 13 Switchboards *(26 24)*

Note: Installation of free-standing building distribution switchboards. Switchboard sections to be mounted on 4" concrete pad. Includes material, handling, unloading at job site, assembly and installation, wiring connections, testing and cleanup. Exclude concrete pad and foundation.

26 24 13 00-0001		Fusible Switch Type 240 Volt, 3 Phase, 3 Wire *(26 24 13)*		
26 24 13 00-0002		Incoming Service Section Main Device Only *(26 24 13 00-0001)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,992.15	892.60
26 24 13 00-0004	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,438.32	944.13
26 24 13 00-0005	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,376.38	1,070.98
26 24 13 00-0006	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,948.44	1,148.12
26 24 13 00-0007	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,036.64	1,224.14
26 24 13 00-0008	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	14,567.37	1,301.60
26 24 13 00-0009	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,919.41	892.60
26 24 13 00-0010	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,392.53	944.13
26 24 13 00-0011	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,022.14	1,071.89
26 24 13 00-0012	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,486.96	1,148.12
26 24 13 00-0013	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,036.64	1,225.38
26 24 13 00-0014	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,567.37	1,301.60
26 24 13 00-0015	EA	2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	17,602.41	1,360.79

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0016	EA	3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	19,987.64	1,457.84
26 24 13 00-0017	EA	4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	23,664.84	1,571.52
26 24 13 00-0018	EA	400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,624.69	790.86
26 24 13 00-0019	EA	600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,916.01	841.98
26 24 13 00-0020	EA	800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,337.69	969.23
26 24 13 00-0021	EA	1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,612.18	1,009.95
26 24 13 00-0022	EA	1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,861.00	1,046.39
26 24 13 00-0023	EA	1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,242.86	1,121.90
26 24 13 00-0024	EA	2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,590.44	1,198.84

26 24 13 00-0025 Branch Breaker Units *(26 24 13 00-0001)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0026	EA	15 To 60 Amperes, 240 Volt, MC Branch Breaker	363.18	31.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.67*	
26 24 13 00-0027	EA	70 To 100 Amperes, 240 Volt, MC Branch Breaker	530.57	48.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.39*	
26 24 13 00-0028	EA	125 To 225 Amperes, 240 Volt, MC Branch Breaker	1,444.40	89.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.57*	
26 24 13 00-0029	EA	100 To 400 Amperes, 240 Volt, MC Branch Breaker	2,583.74	116.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.80*	
26 24 13 00-0030	EA	300 To 600 Amperes, 240 Volt, MC Branch Breaker	4,566.32	285.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.41*	
26 24 13 00-0031	EA	400 To 800 Amperes, 240 Volt, MC Branch Breaker	7,389.49	285.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.41*	
26 24 13 00-0032	EA	600 To 1,200 Amperes, 240 Volt, MC Branch Breaker	11,959.38	509.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.53*	

26 24 13 00-0033 Fusible Switch Type 480 Volt, 3 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0034 Incoming Service Section Main Device Only *(26 24 13 00-0033)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0035	EA	400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	5,670.63	1,158.23
26 24 13 00-0036	EA	600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,362.25	1,158.23
26 24 13 00-0037	EA	800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	9,648.54	1,505.18
26 24 13 00-0038	EA	1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch	10,974.11	1,505.18

26 24 13 00-0039 Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire *(26 24 13)*

26 24 13 00-0040 Incoming Service Section Main Device Only *(26 24 13 00-0039)*

Note: Copper bus, non-metering type, with fuses.

26 24 13 00-0041	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	3,597.90	790.86
26 24 13 00-0042	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	4,023.72	841.98
26 24 13 00-0043	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,311.57	969.23
26 24 13 00-0044	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch	6,860.97	1,045.57
26 24 13 00-0045	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	4,478.14	790.86
26 24 13 00-0046	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	5,727.78	841.98
26 24 13 00-0047	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	8,139.77	969.23
26 24 13 00-0048	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	11,847.13	1,045.57
26 24 13 00-0049	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker	13,933.07	1,173.53
26 24 13 00-0050	EA	200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,457.13	688.71
26 24 13 00-0051	EA	600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	2,768.19	739.94
26 24 13 00-0052	EA	800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,250.27	867.19
26 24 13 00-0053	EA	1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,510.43	907.90
26 24 13 00-0054	EA	1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	3,763.57	944.13
26 24 13 00-0055	EA	1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,090.75	1,009.95
26 24 13 00-0056	EA	2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	4,412.23	1,070.98
26 24 13 00-0057	EA	2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	5,478.63	1,326.60
26 24 13 00-0058	EA	3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	6,145.90	1,454.16
26 24 13 00-0059	EA	4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug	7,296.76	1,568.96

26 24 13 00-0060 Branch Breaker Units *(26 24 13 00-0039)*

Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.

26 24 13 00-0061	EA	15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker	190.63	27.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.22*	
26 24 13 00-0062	EA	70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker	301.97	44.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*26.94*	
26 24 13 00-0063	EA	125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker	953.10	62.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*37.66*	
26 24 13 00-0064	EA	100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker	2,785.03	80.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.37*	
26 24 13 00-0065	EA	300 To 600 Amperes, 120/240 Volt, MC Branch Breaker	4,355.82	196.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.86*	
26 24 13 00-0066	EA	400 To 800 Amperes, 120/240 Volt, MC Branch Breaker	6,229.16	196.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.86*	
26 24 13 00-0067	EA	600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker	10,248.46	375.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*225.04*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0068		**Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0069		**Incoming Service Section Main Device Only** *(26 24 13 00-0068)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	3,993.41	892.60
26 24 13 00-0071	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	4,436.92	944.13
26 24 13 00-0072	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,374.58	1,070.98
26 24 13 00-0073	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	7,946.37	1,148.12
26 24 13 00-0074	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	13,031.93	1,224.14
26 24 13 00-0075	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	14,567.37	1,301.60
26 24 13 00-0076	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	4,920.67	892.60
26 24 13 00-0077	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,391.13	944.13
26 24 13 00-0078	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,022.14	1,071.89
26 24 13 00-0079	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	12,484.89	1,148.12
26 24 13 00-0080	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,034.28	1,225.38
26 24 13 00-0081	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	14,567.37	1,301.60
26 24 13 00-0082	EA	400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,772.20	790.86
26 24 13 00-0083	EA	600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,119.03	841.98
26 24 13 00-0084	EA	800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,642.63	969.23
26 24 13 00-0085	EA	1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,934.64	1,009.95
26 24 13 00-0086	EA	1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,218.20	1,046.39
26 24 13 00-0087	EA	1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,585.43	1,121.90
26 24 13 00-0088	EA	2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,957.56	1,198.84
26 24 13 00-0089	EA	2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	5,912.98	1,362.32
26 24 13 00-0090	EA	3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	6,565.51	1,457.74
26 24 13 00-0091	EA	4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	7,823.53	1,566.41
26 24 13 00-0092		**Branch Breaker Units** *(26 24 13 00-0068)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0093	EA	15 To 60 Amperes, 120/208 Volt, MC Branch Breaker	363.18	31.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.67*	
26 24 13 00-0094	EA	70 To 100 Amperes, 120/208 Volt, MC Branch Breaker	530.57	48.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.39*	
26 24 13 00-0095	EA	125 To 225 Amperes, 120/208 Volt, MC Branch Breaker	1,444.40	89.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.57*	
26 24 13 00-0096	EA	100 To 400 Amperes, 120/208 Volt, MC Branch Breaker	2,583.74	116.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.80*	
26 24 13 00-0097	EA	300 To 600 Amperes, 120/208 Volt, MC Branch Breaker	4,566.32	285.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.41*	
26 24 13 00-0098	EA	400 To 800 Amperes, 120/208 Volt, MC Branch Breaker	7,389.49	285.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.41*	
26 24 13 00-0099	EA	600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker	11,959.38	509.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.53*	
26 24 13 00-0100		**Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire** *(26 24 13)*		
26 24 13 00-0101		**Incoming Service Section Main Device Only** *(26 24 13 00-0100)*		
		Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0102	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,145.48	1,224.14
26 24 13 00-0103	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	5,667.14	1,301.60
26 24 13 00-0104	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	8,245.41	1,452.83
26 24 13 00-0105	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch	9,028.36	1,555.59
26 24 13 00-0106	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	6,719.76	1,224.14
26 24 13 00-0107	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	9,195.64	1,301.60
26 24 13 00-0108	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	10,428.64	1,454.47
26 24 13 00-0109	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,299.79	1,555.59
26 24 13 00-0110	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	13,901.10	1,658.77
26 24 13 00-0111	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker	15,487.85	1,761.84
26 24 13 00-0112	EA	400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	2,772.20	790.86
26 24 13 00-0113	EA	600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,119.03	841.98
26 24 13 00-0114	EA	800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,642.63	969.23
26 24 13 00-0115	EA	1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	3,934.64	1,009.95
26 24 13 00-0116	EA	1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,218.20	1,046.39
26 24 13 00-0117	EA	1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,585.43	1,121.90
26 24 13 00-0118	EA	2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug	4,957.56	1,198.84
26 24 13 00-0119		**Branch Breaker Units** *(26 24 13 00-0100)*		
		Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0120	EA	15 To 60 Amperes, 480/277 Volt, MC Branch Breaker	767.56	31.12
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.67*	
26 24 13 00-0121	EA	70 To 100 Amperes, 480/277 Volt, MC Branch Breaker	878.53	48.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*29.39*	
26 24 13 00-0122	EA	125 To 225 Amperes, 480/277 Volt, MC Branch Breaker	1,592.99	89.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*53.57*	
26 24 13 00-0123	EA	100 To 400 Amperes, 480/277 Volt, MC Branch Breaker	2,583.74	116.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*69.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0124	EA	300 To 600 Amperes, 480/277 Volt, MC Branch Breaker	6,187.62	285.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.41*	
26 24 13 00-0125	EA	400 To 800 Amperes, 480/277 Volt, MC Branch Breaker	6,332.44	285.73
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*171.41*	
26 24 13 00-0126	EA	600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker	10,136.83	509.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*305.53*	

26 24 13 00-0127 Fusible Branch Circuit Switch *(26 24 13)*

Note: Includes switch fuses, and portion of distribution section occupied by that branch device.

26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0129	EA	30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	768.06	80.11
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0130	EA	30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	765.24	80.11
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0131	EA	60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	765.24	80.11
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0132	EA	60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,210.56	105.62
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0133	EA	100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit	1,210.56	105.62
		For Electrical Interlock Kit, Add	*328.81*	

26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0135	EA	100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	884.77	78.58
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0136	EA	200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	1,307.16	78.58
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0137	EA	400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit	3,355.15	211.75

26 24 13 00-0138 240 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0139	EA	30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	990.10	90.31
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0140	EA	30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	987.29	90.31
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0141	EA	60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	987.29	90.31
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0142	EA	60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,494.42	120.93
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0143	EA	100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit	1,494.42	120.93
		For Electrical Interlock Kit, Add	*328.81*	

26 24 13 00-0144 240 Volt, 3 Pole Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0145	EA	100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,074.63	88.78
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0146	EA	200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	1,763.20	88.78
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0147	EA	400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	4,515.69	237.05
26 24 13 00-0148	EA	600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	6,465.19	303.69
26 24 13 00-0149	EA	800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit	12,106.54	411.45

26 24 13 00-0150 600 Volt, 3 Pole Twin Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0151	EA	30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,416.49	90.31
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0152	EA	30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,413.64	90.31
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0153	EA	60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	1,416.49	90.31
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0154	EA	60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,137.77	120.93
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0155	EA	100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	2,185.38	120.93
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0156	EA	200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit	4,700.39	158.18
		For Electrical Interlock Kit, Add	*328.81*	

26 24 13 00-0157 600 Volt, 3 Pole, Single Branch Switch Units *(26 24 13 00-0127)*

26 24 13 00-0158	EA	100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	1,533.86	88.78
		For Electrical Interlock Kit, Add	*328.81*	
26 24 13 00-0159	EA	200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	2,346.21	88.78
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0160	EA	400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	5,698.29	237.05
		For Electrical Interlock Kit, Add	*314.99*	
26 24 13 00-0161	EA	600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	6,912.81	303.69
26 24 13 00-0162	EA	800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit	12,106.54	411.45

26 24 13 00-0163 Service And Distribution Structures *(26 24 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0164		Distribution Section 600 Volt, 250 Volt DC *(26 24 13 00-0163)*		
26 24 13 00-0165		600 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*		
26 24 13 00-0166	EA	14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,526.29	938.82
26 24 13 00-0167	EA	24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,044.95	938.82
26 24 13 00-0168	EA	34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,390.29	1,193.94
26 24 13 00-0169	EA	42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,719.95	1,193.94
26 24 13 00-0170		800 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*		
26 24 13 00-0171	EA	14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	2,826.30	1,086.79
26 24 13 00-0172	EA	24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,331.93	1,086.79
26 24 13 00-0173	EA	34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,719.95	1,347.02
26 24 13 00-0174	EA	42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,016.11	1,347.02
26 24 13 00-0175		1,200 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*		
26 24 13 00-0176	EA	14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,290.64	1,326.60
26 24 13 00-0177	EA	24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	3,807.42	1,326.60
26 24 13 00-0178	EA	34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,218.58	1,632.75
26 24 13 00-0179	EA	42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,652.45	1,632.75
26 24 13 00-0180		1,600 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*		
26 24 13 00-0181	EA	14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,151.94	1,454.16
26 24 13 00-0182	EA	24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,757.91	1,454.16
26 24 13 00-0183	EA	34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,243.23	1,796.02
26 24 13 00-0184	EA	42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,621.17	1,796.02
26 24 13 00-0185		2,000 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*		
26 24 13 00-0186	EA	14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,341.13	1,459.26
26 24 13 00-0187	EA	24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	4,991.54	1,642.94
26 24 13 00-0188	EA	34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,112.40	1,642.94
26 24 13 00-0189	EA	42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	5,312.64	1,734.78
26 24 13 00-0190		3,000 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*		
26 24 13 00-0191	EA	24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,140.56	1,642.94
26 24 13 00-0192	EA	34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,259.61	1,642.94
26 24 13 00-0193	EA	42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,459.85	1,734.78
26 24 13 00-0194		4,000 Amperes, 4 Wire, Main Bus *(26 24 13 00-0164)*		
26 24 13 00-0195	EA	24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,271.39	1,734.78
26 24 13 00-0196	EA	34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,459.85	1,734.78
26 24 13 00-0197	EA	42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus	6,532.17	1,734.78
26 24 13 00-0198		Pull Boy, Horizontal Mounted Across Top Of Switch Board *(26 24 13 00-0164)*		
26 24 13 00-0199	EA	18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard	570.10	122.45
26 24 13 00-0200	EA	Drilled Bottom For Pull Boy	642.06	122.45
26 24 13 00-0201	EA	Cable Supports In Pull Box	237.07	30.61
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*17.01*	
26 24 13 00-0202		Underground Pull Sections *(26 24 13 00-0164)*		
		Note: Excludes no bus or terminal.		
26 24 13 00-0203	EA	12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal	544.66	142.87
26 24 13 00-0204	EA	24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal	960.21	183.68
26 24 13 00-0205	EA	24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal	960.21	183.68
26 24 13 00-0206	EA	14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	712.70	142.87
26 24 13 00-0207	EA	28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal	1,031.23	209.20
26 24 13 00-0208	EA	14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,172.42	209.20
26 24 13 00-0209	EA	26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,223.09	270.42
26 24 13 00-0210	EA	38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal	1,284.84	270.42
26 24 13 00-0211		Switchboard Sections *(26 24 13 00-0163)*		
26 24 13 00-0212	EA	600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,462.65	850.35
26 24 13 00-0213	EA	800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	4,890.72	924.34
26 24 13 00-0214	EA	1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,124.73	1,181.08
26 24 13 00-0215	EA	1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	6,699.73	1,288.44
26 24 13 00-0216	EA	2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit	7,146.17	1,371.60
26 24 13 00-0217	EA	400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section	5,414.57	745.96
26 24 13 00-0218	EA	200 Amperes, Distribution Section Subfeeder Lug-Rated	2,970.36	708.61
26 24 13 00-0219	EA	400 Amperes, Distribution Section Subfeeder Lug-Rated	3,298.03	768.41
26 24 13 00-0220	EA	120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus	7,625.79	850.35
26 24 13 00-0221	EA	800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	8,170.73	852.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0222	EA	1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker	8,962.55	951.89
26 24 13 00-0223	EA	15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame	161.51	51.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*31.16*	
26 24 13 00-0224	EA	70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame	197.95	51.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.81*	
26 24 13 00-0225	EA	70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame	976.83	61.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.31*	
26 24 13 00-0226	EA	125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame	1,633.00	132.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*110.44*	
26 24 13 00-0227	EA	100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	636.88	184.09
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.78*	
26 24 13 00-0228	EA	225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker	1,865.45	106.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.31*	

26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt *(26 24 13 00-0163)*

26 24 13 00-0230	EA	225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	2,312.58	442.88
26 24 13 00-0231	EA	400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,301.97	598.91
26 24 13 00-0232	EA	600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	3,681.71	728.91
26 24 13 00-0233	EA	800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	4,602.83	1,020.46
26 24 13 00-0234	EA	1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	5,699.32	1,275.58
26 24 13 00-0235	EA	1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	6,333.43	1,275.58
26 24 13 00-0236	EA	2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	7,768.59	1,700.81
26 24 13 00-0237	EA	2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	8,984.48	1,700.81
26 24 13 00-0238	EA	3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	10,555.15	2,024.71
26 24 13 00-0239	EA	4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard	12,792.51	2,024.71

26 24 13 00-0240 Main Devices *(26 24 13)*

26 24 13 00-0241 Power Circuit Breakers *(26 24 13 00-0240)*

26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0243	EA	50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip	8,311.03	1,071.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*641.53*	
26 24 13 00-0244	EA	50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip	15,233.21	1,785.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,070.42*	
26 24 13 00-0245	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip	34,731.73	3,000.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,784.03*	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	55,888.62	4,857.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,966.47*	
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,044.81	
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	393.23	
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	515.89	
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	371.58	

26 24 13 00-0251 DSL Breaker Electrical Operated And Amptector *(26 24 13 00-0241)*

Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.

26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	9,788.32	1,122.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*676.70*	
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	18,270.57	1,887.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,127.17*	
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	39,105.38	3,112.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,875.86*	
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	60,233.12	5,102.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3,136.67*	

26 24 13 00-0256 DS Breakers With Amptector Static Trip, Manually Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.

26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	6,562.11	979.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.73*	
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	12,071.44	1,642.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*981.22*	
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	17,769.31	2,755.25
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,635.36*	
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	30,733.43	4,439.01
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,723.66*	
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	49,948.56	7,245.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,528.69*	

26 24 13 00-0262 DS Breakers With Amptector Static Trip, Electrically Operated *(26 24 13 00-0241)*

Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.

26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	7,831.46	938.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*561.52*	
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	14,691.93	1,571.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*935.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	20,765.99	2,612.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,561.94*	
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	34,255.23	4,255.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*2,603.22*	
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	53,379.66	7,296.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4,348.57*	

26 24 13 00-0268 Molded Case Circuit Breakers Conventional *(26 24 13 00-0241)*

26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	2,621.76	857.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*493.77*	
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,960.26	857.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*537.09*	
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,397.55	1,020.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*588.73*	
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,269.98	1,020.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*637.79*	
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	7,990.14	1,224.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*698.95*	
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	13,156.19	1,224.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*773.08*	
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	389.62	
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.19	

26 24 13 00-0277 Switchboard Branch Breaker 480 Volt *(26 24 13 00-0240)*

26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	586.09	73.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.37*	
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	686.79	98.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.88*	
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,042.44	147.77
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*88.69*	
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,703.87	185.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.24*	
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,262.60	248.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*149.19*	
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,932.51	318.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.34*	
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,336.45	485.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*291.56*	
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,336.45	485.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*291.56*	
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	8,887.78	680.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*408.19*	
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	11,018.78	1,020.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*612.28*	

26 24 13 00-0288 Switchboard 277/480 Volt Main Breaker *(26 24 13 00-0240)*

26 24 13 00-0289	EA	400 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,241.95	442.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.75*	
26 24 13 00-0290	EA	600 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,326.16	485.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*291.01*	
26 24 13 00-0291	EA	800 Amperes, 277/480 Volt, Main Breaker, Switchboard	7,813.94	728.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*437.34*	
26 24 13 00-0292	EA	1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,459.54	1,020.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*612.28*	
26 24 13 00-0293	EA	1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard	13,676.28	1,128.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*677.30*	
26 24 13 00-0294	EA	2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard	17,832.55	2,024.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*1,214.84*	

26 24 13 00-0295 Branch Or Distribution Devices *(26 24 13)*

26 24 13 00-0296 3 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*

Note: Includes certified refurbished circuit breakers.

26 24 13 00-0297	EA	15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	646.71	36.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 24 13 00-0298	EA	70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	647.35	45.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 24 13 00-0299	EA	125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	1,594.02	55.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 24 13 00-0300	EA	70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	2,317.20	71.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.45*	
26 24 13 00-0301	EA	125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	3,274.92	88.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.78*	
26 24 13 00-0302	EA	300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	4,297.32	103.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*68.88*	
26 24 13 00-0303	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker	6,586.94	116.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*77.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0304		2 Pole, Panel Mounted, Molded Case Circuit Breakers *(26 24 13 00-0295)*		
		Note: Includes certified refurbished circuit breakers.		
26 24 13 00-0305	EA	15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	444.14	27.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 24 13 00-0306	EA	70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	569.77	36.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 24 13 00-0307	EA	125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	1,594.27	45.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 24 13 00-0308	EA	70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,540.53	51.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.68*	
26 24 13 00-0309	EA	125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	2,676.02	66.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*44.39*	
26 24 13 00-0310	EA	900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker	6,100.54	96.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.29*	
26 24 13 00-0311		Meter Devices And Instrumentation *(26 24 13)*		
		Note: Factory installed accessories.		
26 24 13 00-0312		Compartments For Instrument Transformers And Metering Devices *(26 24 13 00-0311)*		
26 24 13 00-0313	EA	Compartment For, Up To 800 Amperes, Primary Current Transformer	470.79	
26 24 13 00-0314	EA	Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer	680.03	
26 24 13 00-0315	EA	Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer	800.89	
26 24 13 00-0316		Instruments *(26 24 13 00-0311)*		
26 24 13 00-0317	EA	AC Voltmeter	642.15	
26 24 13 00-0318	EA	AC Ammeter	642.15	
26 24 13 00-0319	EA	AC Wattmeter	1,715.41	
26 24 13 00-0320	EA	Variometer	1,937.28	
26 24 13 00-0321	EA	Power Factor Meter	1,547.66	
26 24 13 00-0322	EA	Frequency Meter	1,708.19	
26 24 13 00-0323	EA	200 Volt-Amperes Max Potential Transformer	577.21	
26 24 13 00-0324	EA	AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block	2,173.57	
26 24 13 00-0325	EA	AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2	3,636.45	
26 24 13 00-0326	EA	Weatherproof, Modify Meter	3,383.27	
26 24 13 00-0327	EA	Control Switch Resistor Type 130 V	76.03	
26 24 13 00-0328	EA	Metering Instrument: Voltage, Amperes And Watt Hour	4,386.48	
26 24 16		**Panelboards** *(26 24)*		
26 24 16 00-0001		Branch Circuit Panelboard *(26 24 16)*		
		Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.		
26 24 16 00-0002		Assembled Lighting And Power Panelboards *(26 24 16 00-0001)*		
		Note: Includes main lugs or breaker (as indicated). 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated). Panelboard box, trim and connection of main service cable from meter.		
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,215.22	290.83
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,375.32	290.83
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,556.77	403.08
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	1,742.29	403.08
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	1,915.33	505.13
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,092.94	505.13
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,265.01	581.67
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0011	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,711.94	744.94
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0012	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	2,848.52	744.94
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Six 20 Ampere Breakers	2,985.79	852.09
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,208.80	852.09
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,347.76	959.24
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	3,551.08	959.24
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	3,671.66	1,061.29
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	3,881.01	1,061.29
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,069.00	1,173.53
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,202.96	1,173.53
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,387.94	1,173.53
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0022		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0023	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,464.25	280.63
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0024	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,626.58	280.63
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0025	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,991.61	479.62
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0026	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,261.48	479.62
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,438.16	586.77
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Cpacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,621.80	586.77
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0029	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,786.01	704.12
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0030	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,377.70	704.12
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0031	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,522.53	862.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0032	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,678.92	862.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0033	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,849.22	969.45
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0034	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,989.30	969.45
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0035	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,137.96	1,061.29
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0036	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,296.50	1,061.29
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0037	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,466.56	1,255.18
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0038	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,650.08	1,255.18
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0039	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,849.52	1,255.18
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0040	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	4,975.61	1,326.60
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0041		**120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0042	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,473.28	331.65
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0043	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,647.89	331.65
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0044	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	1,847.26	443.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0045	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,058.29	443.91
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0046	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,246.45	545.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0047	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,446.92	545.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0048	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	2,636.68	647.99
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0049	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	2,829.49	647.99
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0050	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,012.44	760.25
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0051	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,223.21	760.25
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0052	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,434.80	877.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0053	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	3,645.51	877.59
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0054	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,056.65	1,061.29
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0055	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,193.37	1,061.29
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0056	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	4,441.02	1,178.63
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0057	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	4,660.71	1,178.63
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0058	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	4,820.53	1,285.79
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0059	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,034.84	1,285.79
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0060	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,957.97	1,140.88
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0061	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,109.06	1,199.05
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0062	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,366.95	1,262.83
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0063	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,601.81	1,336.81
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0064	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,770.33	1,377.63
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0065	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,034.29	1,461.82
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0066		120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0067	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,782.06	321.44
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0068	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,958.76	321.44
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0069	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,171.81	423.49
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0070	EA	50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,478.54	423.49
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0071	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,894.68	637.79
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0072	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,079.32	637.79
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0073	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,277.51	744.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0074	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,440.33	744.94
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0075	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	3,663.76	862.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0076	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,812.15	862.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0077	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,062.80	969.45
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0078	EA	100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,280.46	969.45
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0079	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,049.20	1,122.51
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0080	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,267.47	1,183.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0081	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,357.33	1,183.74
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0082	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	5,600.75	1,336.81
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0083	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,775.21	1,336.81
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0084	EA	225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two- 20 Ampere Breakers	5,883.32	1,336.81
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0085	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,975.55	1,229.66
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0086	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,212.72	1,301.10
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0087	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,305.27	1,336.81
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0088	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,567.08	1,418.44
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0089	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,740.20	1,459.26
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0090	EA	400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,898.56	1,510.29
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0091		**480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards** *(26 24 16 00-0002)*		
26 24 16 00-0092	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	1,681.24	326.55
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0093	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	1,914.87	326.55
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0094	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,139.75	449.01
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0095	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,373.36	449.01
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0096	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	2,592.67	561.25
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0097	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	2,822.61	561.25
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0098	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard WithTwenty 20 Ampere Breakers	3,061.63	678.61
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0099	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,282.49	678.61
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0100	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard WithTwenty-Four 20 Ampere Breakers	3,523.16	806.17
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0101	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	3,756.26	806.17
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0102	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	3,972.30	918.42
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0103	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,202.24	918.42
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0104	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	4,684.86	1,117.40
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0105	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	4,914.56	1,117.40
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0106	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	5,157.73	1,224.56
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0107	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty- Eight 20 Ampere Breakers	5,341.01	1,224.56
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0108	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	5,609.16	1,352.11
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0109	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	5,806.71	1,352.11
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0110 480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*

26 24 16 00-0111	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,150.00	346.96
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0112	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,378.78	377.57
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0113	EA	50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,609.86	469.41
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0114	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers,	3,130.52	571.46
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0115	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,349.13	632.69
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0116	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,549.80	683.72
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0117	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,769.33	744.94
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0118	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,981.18	806.17
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0119	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,176.37	857.19
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0120	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,384.60	908.21
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0121	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,608.63	969.45
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0122	EA	100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,851.99	1,045.98
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0123	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	6,169.02	1,163.32
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0124	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	6,403.04	1,234.76
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0125	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,574.08	1,265.37
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0126	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,835.18	1,347.02
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0127	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Cpacity Assembled Panelboard With Forty 20 Ampere Breakers	7,021.68	1,398.04
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0128	EA	225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	7,214.48	1,441.92
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0129		277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0130	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,061.25	357.16
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0131	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,325.56	357.16
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0132	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	2,583.67	474.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0133	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	2,843.69	474.52
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0134	EA	100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	3,107.53	586.77
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0135	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	3,366.43	586.77
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0136	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	3,629.17	704.12
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0137	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	3,890.92	704.12
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0138	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	4,174.60	826.58
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0139	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	4,416.27	826.58
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0140	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	4,670.18	831.67
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0141	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	4,938.93	831.67
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0142	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	5,618.78	1,153.13
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0143	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	5,894.07	1,153.13
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0144	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	6,112.55	1,214.35
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0145	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	6,410.76	1,295.99
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0146	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	6,642.25	1,295.99
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0147	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	6,970.38	1,418.44
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0148		277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards *(26 24 16 00-0002)*		
26 24 16 00-0149	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers	2,683.63	438.80
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0150	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers	2,953.61	438.80
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0151	EA	50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers	3,214.34	581.67
		For NEMA 3R Panelboard, Add	*1,579.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0152	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers	3,824.53	581.67
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0153	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers	4,072.95	734.74
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0154	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers	4,321.00	734.74
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0155	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers	4,561.36	841.88
		For NEMA 3R Panelboard, Add	*1,579.99*	
26 24 16 00-0156	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers	4,785.07	841.88
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0157	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers	5,021.81	959.24
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0158	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers	5,274.35	959.24
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0159	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers	5,494.41	1,061.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0160	EA	100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers	5,724.33	1,061.29
		For NEMA 3R Panelboard, Add	*1,737.56*	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0161	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers	7,568.91	1,255.18
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0162	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers	7,844.48	1,255.18
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0163	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers	8,053.33	1,372.52
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0164	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers	8,358.83	1,372.52
		For NEMA 3R Panelboard, Add	*2,052.47*	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0165	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers	8,584.89	1,500.08
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0166	EA	225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	8,817.93	1,500.08
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0167	EA	400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	10,519.85	1,670.50
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0168	EA	600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers	12,817.17	2,005.21
		For NEMA 3R Panelboard, Add	*2,136.20*	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0169 Unassembled Lighting And Power Panelboards *(26 24 16 00-0001)*

Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0170 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.

26 24 16 00-0171 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0172	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	674.87
26 24 16 00-0173	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	773.99
26 24 16 00-0174	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,042.81
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0175	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,201.38	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0176	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,357.37	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0177	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,513.06	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0178	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,640.71	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0179	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,794.31	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0180	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,911.20	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0181	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,037.04	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0182	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,218.78	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0183 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0184	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,000.77	
26 24 16 00-0185	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,129.71	
26 24 16 00-0186	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,801.57	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0187	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,995.31	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0188	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,175.26	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0189	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,843.31	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0190	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,050.24	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0191	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,240.06	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0192 Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0193	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,394.12	
26 24 16 00-0194	EA	100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,485.02	
26 24 16 00-0195	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,736.71	
26 24 16 00-0196	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,891.87	
26 24 16 00-0197	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,034.84	
26 24 16 00-0198	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,323.42	
26 24 16 00-0199	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,442.16	
26 24 16 00-0200	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,587.54	
26 24 16 00-0201	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,767.46	
26 24 16 00-0202	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,888.57	
26 24 16 00-0203	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	3,057.63	

26 24 16 00-0204 Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards *(26 24 16 00-0170)*

26 24 16 00-0205	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,711.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0206	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	1,831.84	
26 24 16 00-0207	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,628.37	
26 24 16 00-0208	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,805.67	
26 24 16 00-0209	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	2,973.29	
26 24 16 00-0210	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,624.21	
26 24 16 00-0211	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	4,822.92	
26 24 16 00-0212	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard	5,010.69	

26 24 16 00-0213 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers

26 24 16 00-0214 Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0215	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	758.58	
26 24 16 00-0216	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	890.18	
26 24 16 00-0217	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	998.19	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0218	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,122.07	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0219	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,290.16	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0220	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,426.76	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0221	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,643.89	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0222	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,769.01	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0223	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,905.90	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0224	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,057.08	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0225	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,275.18	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0226	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,705.33	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0227 Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*

26 24 16 00-0228	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,175.61	
26 24 16 00-0229	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,324.48	
26 24 16 00-0230	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,501.77	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0231	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,243.82	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0232	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,427.25	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0233	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,592.13	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0234	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,611.67	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0235	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,801.74	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0236	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,960.48	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0237		Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0238	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,477.83	
26 24 16 00-0239	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,601.21	
26 24 16 00-0240	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,700.32	
26 24 16 00-0241	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,815.98	
26 24 16 00-0242	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,980.64	
26 24 16 00-0243	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,104.23	
26 24 16 00-0244	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,454.25	
26 24 16 00-0245	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,570.46	
26 24 16 00-0246	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,699.14	
26 24 16 00-0247	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,913.34	
26 24 16 00-0248	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,115.68	
26 24 16 00-0249	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,545.82	
26 24 16 00-0250		Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards *(26 24 16 00-0213)*		
26 24 16 00-0251	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	1,886.64	
26 24 16 00-0252	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,026.61	
26 24 16 00-0253	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	2,199.11	
26 24 16 00-0254	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,070.61	
26 24 16 00-0255	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,237.61	
26 24 16 00-0256	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	3,390.16	
26 24 16 00-0257	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,110.72	
26 24 16 00-0258	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,307.92	
26 24 16 00-0259	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard	5,478.71	
26 24 16 00-0260		480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0169)*		
		Note: As manufactured by Square D or equal.		
26 24 16 00-0261		Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards *(26 24 16 00-0260)*		
26 24 16 00-0262	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,102.47	
26 24 16 00-0263	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,205.32	
26 24 16 00-0264	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,656.34	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0265	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,842.99	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0266	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,004.04	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0267	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,984.08	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0268	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,086.17	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0269	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,263.54	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0270	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,347.15	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0271	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,515.34	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0272	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,743.33	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0273		**Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0274	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,285.36	
26 24 16 00-0275	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,357.75	
26 24 16 00-0276	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,557.88	
26 24 16 00-0277	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,690.13	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0278	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,943.08	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0279	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,827.96	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0280	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,990.21	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0281	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,197.00	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0282	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,308.07	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0283	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,513.72	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0284	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,703.23	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0285		**Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0286	EA	125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,797.07	
26 24 16 00-0287	EA	125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	1,899.92	
26 24 16 00-0288	EA	250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,334.50	
26 24 16 00-0289	EA	250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,640.34	
26 24 16 00-0290	EA	250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,787.68	
26 24 16 00-0291	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,767.72	
26 24 16 00-0292	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,849.26	
26 24 16 00-0293	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	2,997.18	
26 24 16 00-0294	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,149.28	
26 24 16 00-0295	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,300.63	
26 24 16 00-0296	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,492.39	
26 24 16 00-0297		**Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards** *(26 24 16 00-0260)*		
26 24 16 00-0298	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,127.91	
26 24 16 00-0299	EA	100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,200.30	
26 24 16 00-0300	EA	125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,242.20	
26 24 16 00-0301	EA	125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,368.28	
26 24 16 00-0302	EA	125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	3,740.42	
26 24 16 00-0303	EA	250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,611.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0304	EA	250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,753.30	
26 24 16 00-0305	EA	250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	4,930.63	
26 24 16 00-0306	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,041.70	
26 24 16 00-0307	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,228.46	
26 24 16 00-0308	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard	5,415.01	

26 24 16 00-0309 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0169)*

Note: As manufactured by Square D or equal.

26 24 16 00-0310 Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0311	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,149.05	
26 24 16 00-0312	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,252.59	
26 24 16 00-0313	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,446.87	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0314	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,724.87	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0315	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	1,913.02	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0316	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,072.72	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0317	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,074.76	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0318	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,198.51	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0319	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,374.58	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0320	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,458.50	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0321	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,627.28	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0322	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard	2,856.03	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	

26 24 16 00-0323 Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards *(26 24 16 00-0309)*

26 24 16 00-0324	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,525.11	
26 24 16 00-0325	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,598.18	
26 24 16 00-0326	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,813.45	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0327	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	2,887.43	
26 24 16 00-0328	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,020.28	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0329	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	3,272.50	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0330	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,214.61	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	
26 24 16 00-0331	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,378.82	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0332	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,583.43	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0333	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,771.39	
		For Door-In-Door (Hinged) Trim Front, Add	*126.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0334	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	4,979.12	
		For Door-In-Door (Hinged) Trim Front, Add	*216.84*	
26 24 16 00-0335	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard	5,168.41	
		For Door-In-Door (Hinged) Trim Front, Add	*277.14*	
26 24 16 00-0336		**Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards** *(26 24 16 00-0309)*		
26 24 16 00-0337	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,843.65	
26 24 16 00-0338	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	1,947.18	
26 24 16 00-0339	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,131.19	
26 24 16 00-0340	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,403.03	
26 24 16 00-0341	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,710.36	
26 24 16 00-0342	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,856.36	
26 24 16 00-0343	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,860.46	
26 24 16 00-0344	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	2,961.60	
26 24 16 00-0345	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,108.21	
26 24 16 00-0346	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,260.63	
26 24 16 00-0347	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,412.29	
26 24 16 00-0348	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard	3,604.05	
26 24 16 00-0349		**Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards** *(26 24 16 00-0309)*		
26 24 16 00-0350	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,203.26	
26 24 16 00-0351	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,276.34	
26 24 16 00-0352	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,610.79	
26 24 16 00-0353	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,571.75	
26 24 16 00-0354	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	3,698.43	
26 24 16 00-0355	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,069.85	
26 24 16 00-0356	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	4,998.25	
26 24 16 00-0357	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,141.92	
26 24 16 00-0358	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,317.07	
26 24 16 00-0359	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,505.03	
26 24 16 00-0360	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,693.58	
26 24 16 00-0361	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard	5,879.44	
26 24 16 00-0362		**600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards** *(26 24 16 00-0169)* Note: Square D I-Line or equal.		
26 24 16 00-0363		**Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards** *(26 24 16 00-0362)*		
26 24 16 00-0364	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	1,888.20	303.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.06*	
26 24 16 00-0365	EA	400 Ampere Rating, 45" Breaker Mounted Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,231.60	303.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.01*	
26 24 16 00-0366	EA	400 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,490.17	303.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.01*	
26 24 16 00-0367	EA	600 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,780.63	498.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*298.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0368	EA	600 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	2,980.76	498.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*298.91*	
26 24 16 00-0369	EA	600 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,200.36	498.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*298.91*	
26 24 16 00-0370	EA	800 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,408.89	662.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*397.33*	
26 24 16 00-0371	EA	800 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,600.66	664.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*398.54*	
26 24 16 00-0372	EA	800 Ampere Rating, 63" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,679.85	662.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*397.33*	
26 24 16 00-0373	EA	800 Ampere Rating, 99" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,314.76	662.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*397.33*	
26 24 16 00-0374	EA	1,200 Ampere Rating, 27" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,571.00	996.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*597.81*	
26 24 16 00-0375	EA	1,200 Ampere Rating, 45" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,003.12	996.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*597.81*	
26 24 16 00-0376	EA	1,200 Ampere Rating, 63" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,356.44	996.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*597.81*	
26 24 16 00-0377	EA	1,200 Ampere Rating, 99" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Lugs, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	6,787.68	996.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*597.81*	

26 24 16 00-0378 Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboards *(26 24 16 00-0362)*

26 24 16 00-0379	EA	225 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	3,757.92	309.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*185.91*	
26 24 16 00-0380	EA	400 Ampere Rating, 27" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	4,955.10	351.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.88*	
26 24 16 00-0381	EA	400 Ampere Rating, 45" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,204.81	351.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.88*	
26 24 16 00-0382	EA	400 Ampere Rating, 81" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	5,939.77	351.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*210.88*	
26 24 16 00-0383	EA	600 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	7,700.56	576.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.68*	
26 24 16 00-0384	EA	600 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,112.72	577.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*346.60*	
26 24 16 00-0385	EA	600 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	8,453.24	576.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*345.68*	
26 24 16 00-0386	EA	800 Ampere Rating, 36" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	9,719.82	770.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*462.14*	
26 24 16 00-0387	EA	800 Ampere Rating, 72" Breaker Mounting Space, 250 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,209.38	767.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.50*	
26 24 16 00-0388	EA	800 Ampere Rating, 72" Breaker Mounting Space, 600 Ampere Maximum Branch Breaker Size, Main Breaker, NEMA 1, 600 Volt AC, 250 Volt DC, 3 Phase, Unassembled Panelboard	10,696.41	767.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*460.50*	

26 24 16 00-0389 Residential Lighting And Power Panelboards *(26 24 16 00-0001)*

See CSI section 26 28 16 13-0001 for circuit breakers.

26 24 16 00-0390 Residential Type Unassembled Load Center *(26 24 16 00-0389)*

Note: Interior box and cover, includes ground bar kit.

26 24 16 00-0391 Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt *(26 24 16 00-0390)*

26 24 16 00-0392	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	145.37	51.02
26 24 16 00-0393	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	472.55	204.10
26 24 16 00-0394	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	721.99	291.34
26 24 16 00-0395	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,547.99	612.38
26 24 16 00-0396	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,695.79	663.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0397		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0398	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	209.24	56.13
26 24 16 00-0399	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	392.37	61.23
26 24 16 00-0400		**Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0401	EA	40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	213.21	56.13
26 24 16 00-0402	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	238.43	61.23
26 24 16 00-0403	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	801.37	291.34
26 24 16 00-0404	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	1,816.59	663.30
26 24 16 00-0405		**Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0406	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	269.64	56.13
26 24 16 00-0407	EA	125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	1,769.06	612.38
26 24 16 00-0408		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt** *(26 24 16 00-0390)*		
26 24 16 00-0409	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	1,924.20	612.38
26 24 16 00-0410	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	2,089.25	663.30
26 24 16 00-0411	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard	7,933.63	1,020.46
26 24 16 00-0412		**Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0413	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	2,926.51	612.38
26 24 16 00-0414	EA	150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	3,194.24	663.30
26 24 16 00-0415	EA	300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard	8,777.00	1,020.46
26 24 16 00-0416		**Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof** *(26 24 16 00-0390)*		
26 24 16 00-0417	EA	125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,036.37	612.38
26 24 16 00-0418	EA	150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard	2,280.81	663.30
26 24 16 00-0419		**Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC** *(26 24 16 00-0390)* Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0420	EA	125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,112.54	612.38
26 24 16 00-0421	EA	155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard	3,214.43	663.30
26 24 16 00-0422		**Residential Type Assembled Load Center** *(26 24 16 00-0389)*		
26 24 16 00-0423		**Main Lug Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)* Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0424	EA	100 Ampere Rating, Main Lugs, Indoor 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	722.50	291.34
26 24 16 00-0425	EA	100 Ampere Rating, Main Lugs, Indoor 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	886.04	340.32
26 24 16 00-0426	EA	100 Ampere Rating, Main Lugs, Rainproof, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	741.49	291.34
26 24 16 00-0427	EA	100 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	891.22	340.32
26 24 16 00-0428	EA	200 Ampere Rating, Main Lugs, Indoor, 8 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,311.06	453.60
26 24 16 00-0429	EA	200 Ampere Rating, Main Lugs, Indoor, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,542.71	544.42
26 24 16 00-0430	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,761.75	628.10
26 24 16 00-0431	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,946.64	679.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0432	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,912.43	1,020.46
26 24 16 00-0433	EA	200 Ampere Rating, Main Lugs, Rainproof, 16 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,378.37	453.60
26 24 16 00-0434	EA	200 Ampere Rating, Main Lugs, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,606.56	544.42
26 24 16 00-0435	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,825.60	628.10
26 24 16 00-0436	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,007.04	679.94
26 24 16 00-0437	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,110.89	1,020.46
26 24 16 00-0438	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,639.65	1,133.84
26 24 16 00-0439	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,846.74	1,133.84
26 24 16 00-0440		**Main Lug Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0441	EA	125 Ampere Rating, Main Lugs, Indoor, 12 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	982.68	340.32
26 24 16 00-0442	EA	125 Ampere Rating, Main Lugs, Indoor, 18 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,463.97	510.23
26 24 16 00-0443	EA	125 Ampere Rating, Main Lugs, Rainproof, 12 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,039.63	340.32
26 24 16 00-0444	EA	125 Ampere Rating, Main Lugs, Rainproof, 18 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,515.75	510.23
26 24 16 00-0445	EA	200 Ampere Rating, Main Lugs, Indoor, 24 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,860.12	628.10
26 24 16 00-0446	EA	200 Ampere Rating, Main Lugs, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,033.66	680.35
26 24 16 00-0447	EA	200 Ampere Rating, Main Lugs, Indoor, 36 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,496.14	816.67
26 24 16 00-0448	EA	200 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,981.46	1,020.46
26 24 16 00-0449	EA	200 Ampere Rating, Main Lugs, Rainproof, 24 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,920.52	628.10
26 24 16 00-0450	EA	200 Ampere Rating, Main Lugs, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,101.96	679.94
26 24 16 00-0451	EA	200 Ampere Rating, Main Lugs, Rainproof, 36 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,728.06	816.06
26 24 16 00-0452	EA	200 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,214.43	1,020.46
26 24 16 00-0453	EA	400 Ampere Rating, Main Lugs, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,691.42	1,133.84
26 24 16 00-0454	EA	400 Ampere Rating, Main Lugs, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,898.51	1,133.84
26 24 16 00-0455		**Main Breaker Load Center, 3 Wire, 20 Amperes, 120/240 Volt, 1 Phase** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0456	EA	125 Ampere Rating, Main Breaker, Indoor, 12 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	975.78	340.32
26 24 16 00-0457	EA	125 Ampere Rating, Main Breaker, Indoor, 18 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,439.81	510.23
26 24 16 00-0458	EA	200 Ampere Rating, Main Breaker, Indoor, 20 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,684.22	544.42
26 24 16 00-0459	EA	200 Ampere Rating, Main Breaker, Indoor, 24 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,929.77	628.40
26 24 16 00-0460	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,128.57	680.35
26 24 16 00-0461	EA	200 Ampere Rating, Main Breaker, Indoor, 40 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,815.41	907.19
26 24 16 00-0462	EA	200 Ampere Rating, Main Breaker, Rainproof, 20 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,701.48	544.42
26 24 16 00-0463	EA	200 Ampere Rating, Main Breaker, Rainproof, 24 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	1,963.66	628.10
26 24 16 00-0464	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,136.47	679.94
26 24 16 00-0465	EA	200 Ampere Rating, Main Breaker, Rainproof, 40 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,720.49	907.19
26 24 16 00-0466	EA	400 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,417.16	1,133.84
26 24 16 00-0467	EA	400 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 3 Wire, 120/240 Volt, 1 Phase, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	5,762.31	1,133.84
26 24 16 00-0468		**Main Breaker Load Center, 4 Wire, 20 Amperes, 120/208 Volt** *(26 24 16 00-0422)*		
		Note: Includes 1 pole plug-in breaker.		
26 24 16 00-0469	EA	200 Ampere Rating, Main Breaker, Indoor, 30 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,611.78	680.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0470	EA	200 Ampere Rating, Main Breaker, Indoor, 42 Circuit, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,533.69	1,020.46
26 24 16 00-0471	EA	200 Ampere Rating, Main Breaker, Rainproof, 30 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	2,714.59	679.94
26 24 16 00-0472	EA	200 Ampere Rating, Main Breaker, Rainproof, 42 Circuits, 4 Wire, 120/208 Volt, Assembled Panelboard With 20 Ampere, 1 Pole Plug-In Breakers	3,637.24	1,020.46

26 24 16 00-0473 Panel Mounted Accessories And Fuseholders *(26 24 16 00-0001)*

26 24 16 00-0474 Midget Finger-Safe Fuse Holders *(26 24 16 00-0473)*

Note: 30 Amp capacity. Excludes fuse.

26 24 16 00-0475	EA	1 Pole Midget Finger-Safe Fuse Holder	71.10	18.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 24 16 00-0476	EA	1 Pole With Indicator Midget Finger-Safe Fuse Holder	85.44	18.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 24 16 00-0477	EA	2 Pole Midget Finger-Safe Fuse Holder	115.76	27.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 24 16 00-0478	EA	2 Pole With Indicators Midget Finger-Safe Fuse Holder	153.20	27.55
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 24 16 00-0479	EA	3 Pole Midget Finger-Safe Fuse Holder	172.03	36.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 24 16 00-0480	EA	3 Pole With Indicators Midget Finger-Safe Fuse Holder	221.75	36.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 24 16 00-0481	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder Note: With indicators.	263.34	36.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 24 16 00-0482	EA	3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder	208.20	36.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 24 16 00-0483	EA	4 Pole Midget Finger-Safe Fuse Holder	216.85	45.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 24 16 00-0484	EA	4 Pole With Indicator Midget Finger-Safe Fuse Holder	271.45	45.92
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 24 16 00-0485	EA	12 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	85.49	18.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 24 16 00-0486	EA	20 To 24 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	93.10	18.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 24 16 00-0487	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder Note: With indicator.	86.89	18.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	

26 24 16 00-0488 Removal And Reinstallation Of Panelboards *(26 24 16 00-0001)*

Note: Includes storage, cleaning and supply materials.

26 24 16 00-0489	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers Note: Includes removal and reinstallation of main wiring to panelboard.	1,282.54	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*382.67*	
26 24 16 00-0490	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage	68.33	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*19.90*	
26 24 16 00-0491	EA	Panelboard Filler Plate, Fits 1" Opening	5.19	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*0.96*	

26 24 19 Motor-Control Centers *(26 24)*

26 24 19 00-0001 Combination Starters With Molded Case Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.

26 24 19 00-0002 230 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit	2,494.48	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit	2,960.11	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit	4,425.22	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	8,052.53	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	16,266.94	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	27,390.96	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	

26 24 19 00-0009 480 Volt Combination With Molded Case Circuit, Full Volt *(26 24 19 00-0001)*

Note: 1-Speed non-reversing.

26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit	2,494.48	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit	2,960.11	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit	4,425.22	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit	8,052.53	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit	16,266.94	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit	27,390.96	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0016		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 1-Speed reversing.		
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit	3,634.01	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit	4,855.31	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit	6,977.10	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	12,234.04	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	24,125.39	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	41,601.34	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0023		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 1-Speed reversing.		
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit	3,634.01	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit	4,855.31	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit	6,977.10	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit	12,234.04	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit	24,125.39	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit	41,601.34	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0030		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0031	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	4,404.97	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0032	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	6,079.81	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0033	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	8,981.07	167.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.67*	
26 24 19 00-0034	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	16,099.09	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0035	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	26,712.29	223.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.24*	
26 24 19 00-0036		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0037	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	4,404.97	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0038	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	6,079.81	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0039	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	8,981.07	167.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.67*	
26 24 19 00-0040	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	16,099.09	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0041	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	26,712.29	223.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.24*	
26 24 19 00-0042		**230 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0043	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit	5,123.62	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0044	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit	7,643.79	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0045	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit	10,477.79	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0046	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	19,715.86	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0047	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	34,190.47	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0048		**480 Volt Combination With Molded Case Circuit, Full Volt** *(26 24 19 00-0001)*		
		Note: 2-Speed non-reversing, 1 wind.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0049	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit	5,123.62	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0050	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit	7,643.79	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0051	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit	10,477.79	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0052	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit	19,715.86	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0053	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit	34,190.47	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0054		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0055	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,595.50	97.89
26 24 19 00-0056	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,648.38	107.20
26 24 19 00-0057	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	19,660.33	121.19
26 24 19 00-0058	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	30,433.87	139.83
26 24 19 00-0059	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	52,088.92	186.44
26 24 19 00-0060		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, auto-transformer.		
26 24 19 00-0061	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,595.50	97.89
26 24 19 00-0062	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,648.38	107.20
26 24 19 00-0063	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	19,660.33	121.19
26 24 19 00-0064	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	30,433.87	139.83
26 24 19 00-0065	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	52,088.92	186.44
26 24 19 00-0066		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0067	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit	5,150.98	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0068	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit	6,663.04	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0069	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit	11,765.47	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0070	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	20,094.11	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0071	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	27,614.71	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0072		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, part winding.		
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit	5,150.98	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit	6,663.04	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit	11,765.47	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit	20,094.11	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit	27,614.71	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0078		**230 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit	21,502.42	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit	22,801.69	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit	25,175.65	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	38,148.60	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	52,039.71	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	70,629.72	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0085		**480 Volt Combination With Molded Case Circuit** *(26 24 19 00-0001)*		
		Note: Reducing volt, energy saver.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit	21,502.42	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit	22,801.69	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit	25,175.65	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit	38,148.60	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit	52,039.71	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit	70,629.72	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	

26 24 19 00-0092 Combination Starters With Current Limiting Circuit Breakers *(26 24 19)*

Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.

26 24 19 00-0093 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	3,351.55	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit	3,817.17	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit	5,924.48	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	10,947.24	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	19,632.43	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	32,019.11	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	

26 24 19 00-0100 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed non-reversing.

26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit	3,351.55	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit	3,817.17	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit	5,924.48	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit	10,947.24	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0105	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit	19,632.43	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0106	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit	32,019.11	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	

26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0108	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit	4,483.84	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0109	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit	5,695.47	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0110	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit	8,442.56	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0111	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	15,090.12	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0112	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	27,423.28	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	

26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit *(26 24 19 00-0092)*

Note: Full volt, 1-speed reversing.

26 24 19 00-0114	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit	4,483.84	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0115	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit	5,695.47	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0116	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit	8,442.56	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0117	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit	15,090.12	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0118	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit	27,423.28	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0119		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	5,240.31	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0121	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	6,903.07	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0122	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	10,422.39	167.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.67*	
26 24 19 00-0123	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	18,921.37	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0124	EA	230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	29,983.63	223.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.24*	
26 24 19 00-0125		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	5,240.31	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0127	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	6,903.07	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0128	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	10,422.39	167.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.67*	
26 24 19 00-0129	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	18,921.37	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0130	EA	480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	29,983.63	223.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.24*	
26 24 19 00-0131		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit	6,052.18	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0133	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit	8,555.10	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0134	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit	12,023.74	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0135	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	22,625.52	181.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.07*	
26 24 19 00-0136	EA	230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	37,545.79	214.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.65*	
26 24 19 00-0137		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit	6,052.18	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0139	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit	8,555.10	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0140	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit	12,023.74	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0141	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit	22,625.52	181.78
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*109.07*	
26 24 19 00-0142	EA	480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit	37,545.79	214.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*128.65*	
26 24 19 00-0143		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA	230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit	8,406.70	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0145	EA	230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit	13,560.48	107.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.32*	
26 24 19 00-0146	EA	230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	22,946.15	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0147	EA	230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	34,781.97	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0148	EA	230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	57,248.21	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0149		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA	480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit	8,406.70	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0151	EA	480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit	13,560.48	107.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.32*	
26 24 19 00-0152	EA	480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit	22,946.15	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0153	EA	480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit	34,781.97	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0154	EA	480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit	57,248.21	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0155		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0156	EA	230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit	5,986.32	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0157	EA	230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit	7,481.48	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0158	EA	230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit	13,197.14	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0159	EA	230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	23,420.97	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0160	EA	230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	34,572.63	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0161		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, part winding.		
26 24 19 00-0162	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit	5,986.32	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0163	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit	7,481.48	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0164	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit	13,197.14	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0165	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit	23,420.97	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0166	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit	34,572.63	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0167		**230 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0168	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit	22,195.31	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0169	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit	23,487.35	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0170	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit	25,837.16	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0171	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	38,696.64	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0172	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	52,464.62	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0173	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	73,543.74	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0174		**480 Volt Combination Starters With Current Limiting Circuit** *(26 24 19 00-0092)*		
		Note: Reduced volt, energy saving		
26 24 19 00-0175	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit	22,195.35	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.72*	
26 24 19 00-0176	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit	23,487.35	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0177	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit	25,837.16	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0178	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit	38,696.64	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0179	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit	52,464.62	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0180	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit	73,543.74	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0181		**Combination Starters With Fusible Switch** *(26 24 19)* Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
26 24 19 00-0182		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed non-reversing.		
26 24 19 00-0183	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,214.43	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0184	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,068.75	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0185	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,202.62	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0186	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,204.13	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0187	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	14,968.07	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0188	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,727.03	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0189		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed non-reversing.		
26 24 19 00-0190	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	2,214.43	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0191	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	3,068.75	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0192	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	5,202.62	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0193	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	9,204.13	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0194	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	14,968.07	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0195	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing	26,727.03	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0196		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed reversing.		
26 24 19 00-0197	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,602.63	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0198	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,386.45	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0199	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,642.95	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0200	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,107.51	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0201	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,725.60	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0202	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	36,953.87	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0203		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 1-Speed reversing.		
26 24 19 00-0204	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	3,602.63	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0205	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	5,386.45	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0206	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	8,642.95	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0207	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	14,107.51	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0208	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	21,725.60	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0209	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing	36,953.87	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0210		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)* Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,202.17	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0212	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,799.75	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0213	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,162.14	167.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0214	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,412.94	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0215	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,183.57	223.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.24*	
26 24 19 00-0216		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	4,202.17	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0218	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	5,799.75	158.48
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.09*	
26 24 19 00-0219	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	9,162.14	167.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.67*	
26 24 19 00-0220	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	16,412.94	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0221	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter	26,183.57	223.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.24*	
26 24 19 00-0222		**230 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA	7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,829.08	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0224	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,383.05	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0225	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,646.79	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0226	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,497.59	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0227		**480 Volt Combination Starters With Fusible Switch, Full Volt** *(26 24 19 00-0181)*		
		Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	4,829.08	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0229	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	7,383.05	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0230	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	10,646.79	102.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*61.52*	
26 24 19 00-0231	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter	21,497.59	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0232		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0233	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,332.35	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0234	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,973.82	107.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.32*	
26 24 19 00-0235	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,640.03	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0236	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,903.22	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0237	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,578.57	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0238		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Auto-transformer.		
26 24 19 00-0239	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	7,332.35	97.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.73*	
26 24 19 00-0240	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	12,973.82	107.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*64.32*	
26 24 19 00-0241	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	21,640.03	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0242	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	28,903.22	139.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*83.90*	
26 24 19 00-0243	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer	48,578.57	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0244		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0245	EA	10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,182.36	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0246	EA	25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,870.67	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0247	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,973.59	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0248	EA	75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	21,936.20	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0249		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Part winding.		
26 24 19 00-0250	EA	15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	5,182.36	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0251	EA	40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	6,870.67	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0252	EA	75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	10,973.59	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0253	EA	150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters	21,936.20	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0254		**230 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0255	EA	7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,500.00	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0256	EA	15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,801.69	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0257	EA	30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,175.65	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0258	EA	50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,148.60	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0259	EA	100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,039.71	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0260	EA	200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,629.72	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0261		**480 Volt Combination Starters With Fusible Switch, Reduced Volt** *(26 24 19 00-0181)*		
		Note: Energy saver.		
26 24 19 00-0262	EA	10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	21,500.00	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.71*	
26 24 19 00-0263	EA	25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	22,801.69	149.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*89.49*	
26 24 19 00-0264	EA	50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	25,175.65	172.46
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*103.47*	
26 24 19 00-0265	EA	100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	38,148.60	191.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.66*	
26 24 19 00-0266	EA	200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	52,039.71	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0267	EA	400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP	70,629.72	298.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.99*	
26 24 19 00-0268		**Starter Accessories** *(26 24 19)*		
		Note: Additional options or accessories for the Combination Starters		
26 24 19 00-0269		**Starter Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0270	EA	Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer	194.20	
26 24 19 00-0271	EA	Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer	376.63	
26 24 19 00-0272	EA	Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer	538.38	
26 24 19 00-0273	EA	Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes	135.20	
26 24 19 00-0274	EA	Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes	190.73	
26 24 19 00-0275	EA	Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes	321.10	
26 24 19 00-0276	EA	Overload Relay Heater Elements, 3 Per Starter	79.67	
26 24 19 00-0277	EA	N.O. Overload Relay Alarm	67.60	
26 24 19 00-0278	EA	Control Circuit Fuses, Primary/Secondary	131.54	
26 24 19 00-0279	EA	Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton	162.63	
26 24 19 00-0280	EA	Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton	318.09	
26 24 19 00-0281	EA	Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select	162.63	
26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V	186.55	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer	224.82	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To	265.48	
26 24 19 00-0285	EA	Blank Devices Panel	50.23	
26 24 19 00-0286	EA	Oversize Or Special Color Starter	78.93	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer	685.67	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable	621.10	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable	932.76	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press	78.93	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw	112.41	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard	78.93	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In	112.41	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility	112.41	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type	162.63	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay	404.19	
26 24 19 00-0297	EA	Heater Module	82.16	
26 24 19 00-0298	EA	LAM - Long Acceleration Module	510.40	
26 24 19 00-0299	EA	JAM - Jam Protection Module	585.09	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module	1,110.43	
26 24 19 00-0301	EA	ULM - Underload Module	532.81	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer	117.02	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit	219.10	
26 24 19 00-0304	EA	Type SIS Control Wire	92.12	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control	117.02	
26 24 19 00-0306	EA	Ring Terminals Power	117.02	
26 24 19 00-0307	EA	14 Gauge Control Wire	92.12	
26 24 19 00-0308	EA	Wiring Diagram On Door	69.71	
26 24 19 00-0309	EA	Special Color Or Type Control Wire	84.65	
26 24 19 00-0310	EA	Current Transformer 12.5 VA	664.76	
26 24 19 00-0311	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4	2,123.76	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6	2,390.16	

26 24 19 00-0313 Control Relays And Special Components *(26 24 19 00-0268)*

26 24 19 00-0314	EA	600 Volt, 2 Pole, Control Relays	595.53	
26 24 19 00-0315	EA	600 Volt, 4 Pole, Control Relays	699.99	
26 24 19 00-0316	EA	600 Volt, 6 Pole, Control Relays	813.77	
26 24 19 00-0317	EA	600 Volt, 8 Pole, Control Relays	902.64	
26 24 19 00-0318	EA	Pneumatic Timer, Control Relays	801.61	
26 24 19 00-0319	EA	Motor Driven Timer, Control Relays	2,088.88	
26 24 19 00-0320	EA	7 Days Time Switch, Control Relays	2,629.14	
26 24 19 00-0321	EA	24 Hour Time Switch, Control Relays	737.25	
26 24 19 00-0322	EA	Phase Voltage, Control Relays	1,254.11	
26 24 19 00-0323	EA	Two Circuit Alternator, Control Relays	1,755.36	
26 24 19 00-0324	EA	Manual 120 Volt, Control Relays	171.64	
26 24 19 00-0325	EA	Over-Current Relay, Control Relays	4,750.45	
26 24 19 00-0326	EA	UV-Relay, Control Relays	4,023.44	
26 24 19 00-0327	EA	Over-Current Relay, Control Relays	4,023.44	
26 24 19 00-0328	EA	Teleductor, Control Relays	1,293.11	
26 24 19 00-0329	EA	Current Transducer, Control Relays	3,477.56	
26 24 19 00-0330	EA	Watt Transducer, Control Relays	6,955.12	
26 24 19 00-0331	EA	Control Relays, Blank, Add For Each 1x	236.00	
26 24 19 00-0332	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway	353.02	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway	397.88	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway	442.74	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway	397.88	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway	442.74	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway	466.15	

26 24 19 00-0338 Circuit Breaker Modifications/Accessories *(26 24 19 00-0268)*

26 24 19 00-0339	EA	Shunt Trip, Circuit Breaker	482.15	
26 24 19 00-0340	EA	Auxiliary Switch, Circuit Breaker	166.54	
26 24 19 00-0341	EA	Key Interlock, Circuit Breaker	598.99	
26 24 19 00-0342	EA	GFR Ground Fault, Circuit Breaker	2,761.27	
26 24 19 00-0343	EA	Seltronic Breaker, Circuit Breaker	1,599.55	

26 24 19 00-0344 Incoming Line And Feeder Circuit Breakers *(26 24 19 00-0268)*

26 24 19 00-0345	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100	1,656.64	60.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150	2,877.08	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100	2,792.69	60.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150	4,010.74	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150	5,168.31	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250	3,153.08	121.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*72.72*	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400	5,156.83	130.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*78.32*	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600	6,804.95	167.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*100.64*	
26 24 19 00-0353	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800	7,967.75	256.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.86*	
26 24 19 00-0354	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200	11,269.05	386.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*232.31*	
26 24 19 00-0355	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000	24,915.04	512.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0356	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500	37,306.34	643.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*385.57*	
26 24 19 00-0357	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000	62,444.79	745.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*447.84*	
26 24 19 00-0358	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,998.65	60.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 24 19 00-0359	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150	3,209.52	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0360	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	1,998.65	60.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 24 19 00-0361	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50	3,209.52	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0362	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150	3,426.48	60.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.35*	
26 24 19 00-0363	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150	4,685.19	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0364	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50	5,828.41	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0365	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100	3,044.50	93.22
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0366	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400	7,699.88	256.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.86*	
26 24 19 00-0367	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225	7,699.88	256.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.86*	
26 24 19 00-0368	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400	10,412.82	279.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.73*	
26 24 19 00-0369	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600	13,017.25	326.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.68*	
26 24 19 00-0370	EA	Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800	14,971.37	386.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*232.31*	

26 24 19 00-0371 Incoming Line And Feeder Fusible Switches *(26 24 19 00-0268)*

26 24 19 00-0372	EA	30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	1,944.21	93.22
26 24 19 00-0373	EA	Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,037.21	93.22
26 24 19 00-0374	EA	100 Amperes, Incoming Line And Feeder Fusible Switches	2,859.12	116.52
26 24 19 00-0375	EA	200 Amperes, Incoming Line And Feeder Fusible Switches	4,678.02	139.83
26 24 19 00-0376	EA	400 Amperes, Incoming Line And Feeder Fusible Switches	9,277.69	177.11
26 24 19 00-0377	EA	600 Amperes, Incoming Line And Feeder Fusible Switches	13,022.44	233.05
26 24 19 00-0378	EA	800 Amperes, Incoming Line And Feeder Fusible Switches	31,818.83	312.29
26 24 19 00-0379	EA	1,200 Amperes, Incoming Line And Feeder Fusible Switches	35,852.59	433.48

26 24 19 00-0380 Dry Type Distribution Transformers *(26 24 19 00-0268)*

26 24 19 00-0381	EA	500 VA, Phase 1, Dry Type Distribution Transformers	1,631.13	
26 24 19 00-0382	EA	750 VA, Phase 1, Dry Type Distribution Transformers	1,683.74	
26 24 19 00-0383	EA	1,000 VA, Phase 1, Dry Type Distribution Transformers	1,738.75	
26 24 19 00-0384	EA	1,500 VA, Phase 1, Dry Type Distribution Transformers	1,994.66	
26 24 19 00-0385	EA	2,000 VA, Phase 1, Dry Type Distribution Transformers	2,162.08	
26 24 19 00-0386	EA	3,000 VA, Phase 1, Dry Type Distribution Transformers	2,671.50	
26 24 19 00-0387	EA	5,000 VA, Phase 1, Dry Type Distribution Transformers	2,941.77	
26 24 19 00-0388	EA	7,500 VA, Phase 1, Dry Type Distribution Transformers	3,314.87	
26 24 19 00-0389	EA	9,000 VA, Phase 3, Dry Type Distribution Transformers	7,706.00	
26 24 19 00-0390	EA	10,000 VA, Phase 1, Dry Type Distribution Transformers	4,089.77	
26 24 19 00-0391	EA	15,000 VA, Phase 1, Dry Type Distribution Transformers	5,665.89	
26 24 19 00-0392	EA	15,000 VA, Phase 3, Dry Type Distribution Transformers	8,830.09	
26 24 19 00-0393	EA	20,000 VA, Phase 1, Dry Type Distribution Transformers	8,177.16	
26 24 19 00-0394	EA	30,000 VA, Phase 1, Dry Type Distribution Transformers	11,331.78	
26 24 19 00-0395	EA	30,000 VA, Phase 3, Dry Type Distribution Transformers	12,772.43	
26 24 19 00-0396	EA	45,000 VA, Phase 1, Dry Type Distribution Transformers	17,692.19	

26 24 19 00-0397 Metering Equipment *(26 24 19 00-0268)*

26 24 19 00-0398	EA	Metering Equipment, Voltmeter, Panel Type	770.12	
26 24 19 00-0399	EA	Metering Equipment, Voltmeter, Switchboard Type	1,683.74	
26 24 19 00-0400	EA	Metering Equipment, Ammeter, Panel	693.59	
26 24 19 00-0401	EA	Metering Equipment, Ammeter, Switchboard Type	1,683.74	
26 24 19 00-0402	EA	Metering Equipment, Voltmeter/Ammeter, Switch	935.15	
26 24 19 00-0403	EA	Metering Equipment, Control Switch, 4 Circuits	992.55	
26 24 19 00-0404	EA	Add For Additional Circuits	136.94	
26 24 19 00-0405	EA	Metering Equipment, Indicating Wattmeter	3,472.72	
26 24 19 00-0406	EA	Metering Equipment, Indicating Power Factor	3,637.75	
26 24 19 00-0407	EA	Metering Equipment, Integrating Watt-hour	3,207.24	
26 24 19 00-0408	EA	Add For Demand Attachment	896.31	
26 24 19 00-0409	EA	800 Amperes, Metering Equipment, Current Transformer	959.06	
26 24 19 00-0410	EA	1,000 Amperes, Metering Equipment, Current Transformer	1,655.04	
26 24 19 00-0411	EA	2,000 Amperes, Metering Equipment, Current Transformer	1,927.70	
26 24 19 00-0412	EA	Metering Equipment, Potential Transformer	1,607.21	
26 24 19 00-0413	EA	Metering Equipment, Surge Arrester	1,729.19	
26 24 19 00-0414	EA	Metering Equipment, Ground Detector System	1,322.60	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0415		**Current Limiting Reactors** *(26 24 19 00-0268)*		
26 24 19 00-0416	EA	600 Amperes, Current Limiting Reactors	29,520.52	
26 24 19 00-0417	EA	800 Amperes, Current Limiting Reactors	42,990.46	
26 24 19 00-0418	EA	1,000 Amperes, Current Limiting Reactors	56,491.50	
26 24 19 00-0419	EA	1,200 Amperes, Current Limiting Reactors	85,990.50	
26 24 19 00-0420		**Incoming Line Cable Space Requirements, Main Lugs Only** *(26 24 19 00-0268)*		
26 24 19 00-0421	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Screw	523.90	
26 24 19 00-0422	EA	Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp	523.90	
26 24 19 00-0423	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Screw	724.28	
26 24 19 00-0424	EA	Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp	1,325.43	
26 24 19 00-0425	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Screw	724.28	
26 24 19 00-0426	EA	Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp	924.66	
26 24 19 00-0427	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Screw	924.66	
26 24 19 00-0428	EA	Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp	1,323.02	
26 24 19 00-0429	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Screw	924.66	
26 24 19 00-0430	EA	Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp	1,323.02	
26 24 19 00-0431	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Screw	1,125.05	
26 24 19 00-0432	EA	Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp	3,647.96	
26 24 19 00-0433	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw	1,125.05	
26 24 19 00-0434	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp	1,323.02	
26 24 19 00-0435	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw	3,647.96	
26 24 19 00-0436	EA	Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp	3,647.96	
26 24 19 00-0437	EA	Bus Duct Transition Pull Box	1,190.71	
26 24 19 00-0438	EA	Throat And Transition To Substation	2,298.64	
26 24 19 00-0439	EA	Service Entrance Label	497.80	
26 24 19 00-0440	EA	Type W To 5 Star - 10" Transition	1,040.54	
26 24 19 00-0441	EA	600 Amperes, Sub Feed Lugs On Main Bus	595.05	
26 24 19 00-0442		**Standard Structures And Structure Options/Modifications** *(26 24 19 00-0268)*		
26 24 19 00-0443	EA	Standard Structure Add For Each Additional 4" Of Structure Width	328.72	
26 24 19 00-0444	EA	Standard Structure Add For 8" Vertical Wireway In Lieu Of 4"	328.72	
26 24 19 00-0445	EA	Standard Structure Single Corner Section "L", 16" Depth	1,016.89	
26 24 19 00-0446	EA	Standard Structure Single Corner Section "L", 21" Depth	1,146.96	
26 24 19 00-0447	EA	Standard Structure Unused Space/Future Space	98.14	
26 24 19 00-0448	EA	Standard Structure NEMA 12 Dustproof	264.86	
26 24 19 00-0449	EA	Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure	55.57	
26 24 19 00-0450	EA	Standard Structure 150 Watt Space	238.85	
26 24 19 00-0451	EA	Standard Structure Thermostat For Space Heater Control	724.52	
26 24 19 00-0452	EA	Standard Structure Rear Hinged Structure Door, 72" High	238.85	
26 24 19 00-0453	EA	Standard Structure NEMA 2 Drip Shield On Top Of MCC	468.07	
26 24 19 00-0454	EA	Standard Structure NEMA 3R N-Walk In Front Mounted	6,677.52	
26 24 19 00-0455	EA	Standard Structure NEMA 3R N-Walk In Back-to-back	7,718.23	
26 24 19 00-0456	EA	Standard Structure NEMA 3R Walk-In Aisle Front Mounted	7,725.70	
26 24 19 00-0457		**Installation Hours For Vertical Sections** *(26 24 19 00-0268)*		
26 24 19 00-0458	EA	Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes	559.30	279.66
26 24 19 00-0459	EA	Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes	838.95	419.50
26 24 19 00-0460	EA	Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes	932.20	466.11
26 24 19 00-0461	EA	Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes	1,118.75	559.32
26 24 19 00-0462	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes	93.22	46.61
26 24 19 00-0463	EA	Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes	559.30	279.66
26 24 19 00-0464	EA	Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes	838.95	419.50
26 24 19 00-0465	EA	Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes	932.20	466.11
26 24 19 00-0466	EA	Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes	1,118.75	559.32
26 24 19 00-0467	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes	93.22	46.61
26 24 19 00-0468	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes	652.56	326.27
26 24 19 00-0469	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes	838.95	419.50
26 24 19 00-0470	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes	1,118.75	559.32
26 24 19 00-0471	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes	1,304.92	652.45
26 24 19 00-0472	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes	139.83	69.91
26 24 19 00-0473	EA	Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes	745.76	372.88
26 24 19 00-0474	EA	Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes	1,025.51	512.72
26 24 19 00-0475	EA	Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes	1,304.92	652.45
26 24 19 00-0476	EA	Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes	1,491.27	745.67
26 24 19 00-0477	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes	186.44	93.22
26 24 19 00-0478	EA	Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes	745.76	372.88
26 24 19 00-0479	EA	Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes	1,118.75	559.32
26 24 19 00-0480	EA	Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes	1,398.16	699.06
26 24 19 00-0481	EA	Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes	1,584.85	792.47
26 24 19 00-0482	EA	Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes	186.44	93.22
26 24 19 00-0483		**Motor Control Centers** *(26 24 19)*		
26 24 19 00-0484		**2.4 KV Motor Control Centers** *(26 24 19 00-0483)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0485	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp	17,901.85	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0486	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp	17,901.85	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0487	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp	17,901.85	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0488	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp	17,948.49	209.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.86*	
26 24 19 00-0489	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp	19,056.47	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0490	EA	2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp	19,103.06	256.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.81*	
26 24 19 00-0491	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp	19,149.66	279.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.79*	
26 24 19 00-0492	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp	19,242.92	326.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.77*	
26 24 19 00-0493	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp	19,336.12	372.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.73*	
26 24 19 00-0494	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp	32,659.13	419.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.69*	
26 24 19 00-0495	EA	2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp	35,046.69	466.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.66*	
26 24 19 00-0496	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp	26,603.09	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0497	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp	27,711.75	200.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*120.26*	
26 24 19 00-0498	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp	31,486.39	219.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*131.44*	
26 24 19 00-0499	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp	35,052.33	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0500	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp	38,128.83	270.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*162.21*	
26 24 19 00-0501	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp	41,779.10	288.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*173.39*	
26 24 19 00-0502	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp	45,427.21	307.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*184.57*	
26 24 19 00-0503	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp	49,752.33	335.59
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*201.36*	
26 24 19 00-0504	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp	57,904.15	372.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.73*	
26 24 19 00-0505	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp	62,738.85	396.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.73*	
26 24 19 00-0506	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp	95,878.13	466.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.66*	
26 24 19 00-0507	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp	102,146.78	512.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.65*	
26 24 19 00-0508	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp	107,600.56	559.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.63*	
26 24 19 00-0509	EA	2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp	117,167.04	606.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*363.62*	
26 24 19 00-0510	EA	2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp	25,095.70	186.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*111.86*	
26 24 19 00-0511	EA	2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp	25,142.34	209.74
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*125.86*	
26 24 19 00-0512	EA	2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp	25,188.93	233.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*139.83*	
26 24 19 00-0513	EA	2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp	25,235.52	256.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*153.81*	
26 24 19 00-0514	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp	25,286.41	279.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.79*	
26 24 19 00-0515	EA	2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP	25,333.06	302.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.79*	
26 24 19 00-0516	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp	25,379.67	326.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.77*	
26 24 19 00-0517	EA	2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp	25,566.06	419.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.69*	
26 24 19 00-0518	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp	43,677.17	466.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.66*	
26 24 19 00-0519	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp	43,770.48	512.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.65*	
26 24 19 00-0520	EA	2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp	46,145.16	559.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.63*	
26 24 19 00-0521	EA	Add For Reversing Starters, 100 To 700 HP	9,856.86	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0522	EA	Add For Reversing Starters, 1,000 To 1,500 Hp	10,157.05	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0523	EA	Add For Reversing Starters, 1,750 To 2,500 HP	15,571.20	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	

26 24 19 00-0524 4.8 KV Motor Control Centers *(26 24 19 00-0483)*

26 24 19 00-0525	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP	19,449.85	279.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0526	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP	19,496.50	302.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.79*	
26 24 19 00-0527	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP	19,543.11	326.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.77*	
26 24 19 00-0528	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP	19,589.74	349.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.76*	
26 24 19 00-0529	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP	20,686.98	372.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.73*	
26 24 19 00-0530	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP	20,733.64	396.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.73*	
26 24 19 00-0531	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP	20,780.17	419.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.69*	
26 24 19 00-0532	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP	20,826.86	442.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.69*	
26 24 19 00-0533	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP	20,873.42	466.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.66*	
26 24 19 00-0534	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP	35,444.50	606.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*363.62*	
26 24 19 00-0535	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP	35,537.34	652.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*391.48*	
26 24 19 00-0536	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP	37,914.17	699.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*419.45*	
26 24 19 00-0537	EA	4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP	38,007.28	745.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*447.38*	
26 24 19 00-0538	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP	27,093.98	279.66
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*167.79*	
26 24 19 00-0539	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP	27,440.83	302.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*181.79*	
26 24 19 00-0540	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP	32,011.73	326.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.77*	
26 24 19 00-0541	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP	35,585.60	349.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.76*	
26 24 19 00-0542	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP	38,634.07	372.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.73*	
26 24 19 00-0543	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP	42,293.74	396.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.73*	
26 24 19 00-0544	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP	45,728.13	419.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.69*	
26 24 19 00-0545	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP	50,266.96	442.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.69*	
26 24 19 00-0546	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP	58,247.12	466.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.66*	
26 24 19 00-0547	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP	63,667.16	489.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.65*	
26 24 19 00-0548	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP	69,133.81	536.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*321.62*	
26 24 19 00-0549	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP	73,659.75	559.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*335.63*	
26 24 19 00-0550	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP	77,928.23	582.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*349.58*	
26 24 19 00-0551	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP	83,903.81	606.03
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*363.62*	
26 24 19 00-0552	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP	133,092.59	745.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*447.38*	
26 24 19 00-0553	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP	148,024.15	792.47
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*475.46*	
26 24 19 00-0554	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP	177,975.41	838.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*503.37*	
26 24 19 00-0555	EA	4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP	188,278.37	838.98
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*503.37*	
26 24 19 00-0556	EA	4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP	26,732.67	326.27
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*195.77*	
26 24 19 00-0557	EA	4.8 KV CL 14-202, Synchronous Motor Control, 700 HP	26,779.30	349.57
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*209.76*	
26 24 19 00-0558	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP	26,825.87	372.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*223.73*	
26 24 19 00-0559	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP	26,872.53	396.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*237.73*	
26 24 19 00-0560	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP	29,179.07	419.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*251.69*	
26 24 19 00-0561	EA	4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP	29,225.76	442.80
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.69*	
26 24 19 00-0562	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP	29,272.32	466.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*279.66*	
26 24 19 00-0563	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP	29,318.95	489.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*293.65*	
26 24 19 00-0564	EA	4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP	29,365.63	512.72
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.65*	
26 24 19 00-0565	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP	29,645.04	652.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*391.48*	
26 24 19 00-0566	EA	4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP	48,056.32	699.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*419.45*	
26 24 19 00-0567	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP	50,422.30	745.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*447.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0568	EA	4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP	50,422.30	745.67
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*447.38*	
26 24 19 00-0569	EA	Add For Reversing Starters, 100 To 1,250 HP	11,074.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0570	EA	Add For Reversing Starters, 1,500 To 2,500 HP	11,412.79	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	
26 24 19 00-0571	EA	Add For Reversing Starters, 3,000 To 4,500 HP	17,508.81	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.93*	

26 24 19 00-0572 2.4/4.8 KV Motor Control Centers, Accessories *(26 24 19 00-0483)*

26 24 19 00-0573	EA	2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	14,375.64	186.44
26 24 19 00-0574	EA	2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes	17,244.31	279.66
26 24 19 00-0575	EA	2.4/4.8 KV NEMA 3 Weather Resistant	5,700.09	
26 24 19 00-0576	EA	2.4/4.8 KV Space Heaters	265.41	13.98
26 24 19 00-0577	EA	2.4/4.8 KV Potential Transformer Fused	1,651.36	
26 24 19 00-0578	EA	2.4/4.8 KV Current Transformer 600 Volt, 5 KVA	886.04	
26 24 19 00-0579	EA	2.4/4.8 KV Control Transformer 4 KVA Max	2,638.80	
26 24 19 00-0580	EA	2.4/4.8 KV Pushbuttons Each	169.00	
26 24 19 00-0581	EA	2.4/4.8 KV Selector Switch Each	560.11	
26 24 19 00-0582	EA	2.4/4.8 KV Indicating Light	169.00	
26 24 19 00-0583	EA	2.4/4.8 KV Push To Test Light	511.82	
26 24 19 00-0584	EA	2.4/4.8 KV AC Voltmeter, Switchboard Type	1,361.65	
26 24 19 00-0585	EA	2.4/4.8 KV AC Ammeter, Switchboard Type	1,361.65	
26 24 19 00-0586	EA	2.4/4.8 KV Power Factor Meter	4,072.87	
26 24 19 00-0587	EA	2.4/4.8 KV Watt Hr Meter, 2 Element Drawout	2,807.79	
26 24 19 00-0588	EA	2.4/4.8 KV Operation Counter	539.78	13.98
26 24 19 00-0589	EA	2.4/4.8 KV Phase Failure Protection	3,912.59	46.61
26 24 19 00-0590	EA	2.4/4.8 KV Ground Protection	7,511.53	23.30
26 24 19 00-0591	EA	2.4/4.8 KV Synchronous Motor DC Protection	2,971.32	23.30
26 24 19 00-0592	EA	2.4/4.8 KV Lightning Arresters	5,487.99	13.98
26 24 19 00-0593	EA	2.4/4.8 KV Portable Lifting Mechanism	7,958.93	
26 24 19 00-0594	EA	2.4/4.8 KV Auxiliary Timing Relay	686.23	46.61
26 24 19 00-0595	EA	2.4/4.8 KV Auxiliary Control Relay	485.37	46.61

26 24 19 00-0596 Incoming Section And Feeder Air Circuit Breakers *(26 24 19 00-0483)*

Note: 3 Pole. Includes structure.

26 24 19 00-0597	EA	Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included	1,213.67	279.60
26 24 19 00-0598	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included	2,100.39	494.93
26 24 19 00-0599	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	2,482.11	633.70
26 24 19 00-0600	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,003.93	1,020.46
26 24 19 00-0601	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	4,738.87	1,122.51
26 24 19 00-0602	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included	6,243.98	1,244.97
26 24 19 00-0603	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included	7,259.94	1,459.26
26 24 19 00-0604	EA	Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included	13,098.77	1,700.09

26 24 19 00-0605 Main Lugs Only *(26 24 19 00-0483)*

26 24 19 00-0606	EA	600 Amperes Incoming Section, Main Lugs	889.42	357.16
26 24 19 00-0607	EA	800 Amperes Incoming Section, Main Lugs	961.67	357.16
26 24 19 00-0608	EA	1,200 Amperes Incoming Section, Main Lugs	1,328.04	561.25
26 24 19 00-0609	EA	2,000 Amperes Incoming Section, Main Lugs	3,492.34	1,020.46
26 24 19 00-0610	EA	3,000 Amperes Incoming Section, Main Lugs	5,345.42	1,479.67
26 24 19 00-0611	EA	4,000 Amperes Incoming Section, Main Lugs	7,694.63	2,040.93

26 24 19 00-0612 Incoming Main Circuit Breaker Structure *(26 24 19 00-0483)*

Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0613	EA	225 Amperes, Main Circuit Breaker Section	7,116.78	493.81
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0614	EA	400 Amperes, Main Circuit Breaker Section	15,363.48	634.33
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0615	EA	600 Amperes, Main Circuit Breaker Section	15,748.01	988.01
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0616	EA	800 Amperes, Main Circuit Breaker Section	22,632.96	988.01
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0617	EA	1,200 Amperes, Main Circuit Breaker Section	32,951.81	1,117.92
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0618 Incoming Fusible Main Disconnect Section *(26 24 19 00-0483)*

Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.

26 24 19 00-0619	EA	200 Amperes, Fusible Main Disconnect Section	6,138.97	494.42
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0620	EA	400 Amperes, Fusible Main Disconnect Section	8,505.96	634.63
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0621	EA	600 Amperes, Fusible Main Disconnect Section	16,772.74	988.83
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0622	EA	800 Amperes, Fusible Main Disconnect Section	19,597.07	988.83
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	
26 24 19 00-0623	EA	1,200 Amperes, Fusible Main Disconnect Section	27,769.45	1,118.94
		For NEMA 1 With Gaskets, Add	*97.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For NEMA 12, Add	*245.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 20" Cabinet Depth, Add	*108.00*	

26 24 19 00-0624 Circuit Breaker Combination Starters *(26 24 19 00-0483)*

26 24 19 00-0625 Class I, Type A *(26 24 19 00-0624)*

26 24 19 00-0626	EA	Size 1, Class I, Type A Circuit Breaker Combination Starter	1,033.77	207.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*118.11*	
26 24 19 00-0627	EA	Size 2, Class I, Type A Circuit Breaker Combination Starter	1,208.76	207.15
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.83*	
26 24 19 00-0628	EA	Size 3, Class I, Type A Circuit Breaker Combination Starter	1,767.92	293.89
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.94*	
26 24 19 00-0629	EA	Size 4, Class I, Type A Circuit Breaker Combination Starter	2,930.40	386.76
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.92*	
26 24 19 00-0630	EA	Size 5, Class I, Type A Circuit Breaker Combination Starter	5,368.42	483.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*289.91*	

26 24 19 00-0631 Class I, Type B *(26 24 19 00-0624)*

26 24 19 00-0632	EA	Size 1, Class I, Type B Circuit Breaker Combination Starter	987.58	180.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.05*	
26 24 19 00-0633	EA	Size 2, Class I, Type B Circuit Breaker Combination Starter	1,155.73	180.62
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.92*	
26 24 19 00-0634	EA	Size 3, Class I, Type B Circuit Breaker Combination Starter	1,704.76	261.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.99*	
26 24 19 00-0635	EA	Size 4, Class I, Type B Circuit Breaker Combination Starter	2,865.98	354.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*212.60*	
26 24 19 00-0636	EA	Size 5, Class I, Type B Circuit Breaker Combination Starter	5,316.46	452.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.32*	

26 24 19 00-0637 Class I, Type C *(26 24 19 00-0624)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0638	EA	Size 1, Class I, Type C Circuit Breaker Combination Starter	1,054.70	167.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*92.43*	
26 24 19 00-0639	EA	Size 2, Class I, Type C Circuit Breaker Combination Starter	1,231.41	167.36
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*108.56*	
26 24 19 00-0640	EA	Size 3, Class I, Type C Circuit Breaker Combination Starter	1,839.98	250.02
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*150.07*	
26 24 19 00-0641	EA	Size 4, Class I, Type C Circuit Breaker Combination Starter	3,007.01	345.94
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*207.41*	
26 24 19 00-0642	EA	Size 5, Class I, Type C Circuit Breaker Combination Starter	5,450.93	443.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.75*	

26 24 19 00-0643 Class II, Type B *(26 24 19 00-0624)*

26 24 19 00-0644	EA	Size 1, Class II, Type B Circuit Breaker Combination Starter	1,016.40	247.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.18*	
26 24 19 00-0645	EA	Size 2, Class II, Type B Circuit Breaker Combination Starter	1,436.15	247.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.51*	
26 24 19 00-0646	EA	Size 3, Class II, Type B Circuit Breaker Combination Starter	2,055.68	330.63
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*197.76*	
26 24 19 00-0647	EA	Size 4, Class II, Type B Circuit Breaker Combination Starter	3,414.12	423.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*255.11*	
26 24 19 00-0648	EA	Size 5, Class II, Type B Circuit Breaker Combination Starter	6,285.03	517.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*311.12*	

26 24 19 00-0649 Class II, Type C *(26 24 19 00-0624)*

26 24 19 00-0650	EA	Size 1, Class II, Type C Circuit Breaker Combination Starter	1,302.95	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.27*	
26 24 19 00-0651	EA	Size 2, Class II, Type C Circuit Breaker Combination Starter	1,502.40	234.71
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*146.62*	
26 24 19 00-0652	EA	Size 3, Class II, Type C Circuit Breaker Combination Starter	2,196.54	320.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*191.82*	
26 24 19 00-0653	EA	Size 4, Class II, Type C Circuit Breaker Combination Starter	3,547.67	413.29
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*247.69*	
26 24 19 00-0654	EA	Size 5, Class II, Type C Circuit Breaker Combination Starter	6,433.22	510.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*307.37*	

26 24 19 00-0655 Fused Disconnect Combination Starter *(26 24 19 00-0483)*

26 24 19 00-0656 Class I, Type A *(26 24 19 00-0655)*

26 24 19 00-0657	EA	Size 1, Class I, Type A Fused Disconnect Combination Starter	937.79	190.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.92*	
26 24 19 00-0658	EA	Size 2, Class I, Type A Fused Disconnect Combination Starter	1,426.70	261.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.51*	
26 24 19 00-0659	EA	Size 3, Class I, Type A Fused Disconnect Combination Starter	2,301.25	339.81
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*204.09*	
26 24 19 00-0660	EA	Size 4, Class I, Type A Fused Disconnect Combination Starter	3,142.43	476.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*286.65*	
26 24 19 00-0661	EA	Size 5, Class I, Type A Fused Disconnect Combination Starter	5,609.05	607.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*364.45*	

26 24 19 00-0662 Class I, Type B *(26 24 19 00-0655)*

26 24 19 00-0663	EA	Size 1, Class I, Type B Fused Disconnect Combination Starter	966.32	170.42
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*102.05*	
26 24 19 00-0664	EA	Size 2, Class I, Type B Fused Disconnect Combination Starter	1,299.36	233.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*140.18*	
26 24 19 00-0665	EA	Size 3, Class I, Type B Fused Disconnect Combination Starter	1,937.45	312.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*187.58*	
26 24 19 00-0666	EA	Size 4, Class I, Type B Fused Disconnect Combination Starter	3,272.97	451.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*271.40*	
26 24 19 00-0667	EA	Size 5, Class I, Type B Fused Disconnect Combination Starter	5,725.74	573.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*344.75*	

26 24 19 00-0668 Class I, Type C *(26 24 19 00-0655)*

26 24 19 00-0669	EA	Size 1, Class I, Type C Fused Disconnect Combination Starter	1,032.09	159.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*95.55*	
26 24 19 00-0670	EA	Size 2, Class I, Type C Fused Disconnect Combination Starter	1,385.54	216.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.83*	
26 24 19 00-0671	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter	2,122.26	301.04
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*182.22*	
26 24 19 00-0672	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter	3,456.82	443.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.75*	
26 24 19 00-0673	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter	5,405.96	567.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*340.16*	

26 24 19 00-0674 Class II, Type B *(26 24 19 00-0655)*

26 24 19 00-0675	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter	1,207.87	238.79
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0676	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter	1,565.47	297.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*178.40*	
26 24 19 00-0677	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter	2,291.64	383.70
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*229.83*	
26 24 19 00-0678	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter	3,778.73	517.38
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*311.12*	
26 24 19 00-0679	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter	6,590.46	645.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*386.54*	
26 24 19 00-0680		**Class II, Type C** *(26 24 19 00-0655)*		
26 24 19 00-0681	EA	Size 1, Class II, Type C Fused Disconnect Combination Starter	1,265.14	224.50
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*134.27*	
26 24 19 00-0682	EA	Size 2, Class II, Type C Fused Disconnect Combination Starter	1,651.30	281.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*168.95*	
26 24 19 00-0683	EA	Size 3, Class II, Type C Fused Disconnect Combination Starter	2,450.65	366.34
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.93*	
26 24 19 00-0684	EA	Size 4, Class II, Type C Fused Disconnect Combination Starter	3,946.08	505.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*303.71*	
26 24 19 00-0685	EA	Size 5, Class II, Type C Fused Disconnect Combination Starter	6,755.28	625.54
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*375.17*	
26 24 19 00-0686		**Space Complete With Bus And Hardware** *(26 24 19 00-0483)*		
26 24 19 00-0687		**Circuit Breaker Type** *(26 24 19 00-0686)*		
26 24 19 00-0688	EA	Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware	284.77	69.39
26 24 19 00-0689	EA	Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware	284.77	69.39
26 24 19 00-0690	EA	Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware	424.10	101.03
26 24 19 00-0691	EA	Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware	496.61	132.66
26 24 19 00-0692	EA	Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware	844.89	202.05
26 24 19 00-0693		**Fused Disconnect Type** *(26 24 19 00-0686)*		
26 24 19 00-0694	EA	Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware	284.77	69.39
26 24 19 00-0695	EA	Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware	372.69	101.03
26 24 19 00-0696	EA	Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware	521.77	132.66
26 24 19 00-0697	EA	Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware	915.10	202.05
26 24 19 00-0698	EA	Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware	1,269.21	293.89
26 24 19 00-0699		**Blank Space For Future Expansion** *(26 24 19 00-0686)*		
		Note: Factory modified no labor costs.		
26 24 19 00-0700	EA	Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs	146.50	
26 24 19 00-0701	EA	Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs	146.50	
26 24 19 00-0702	EA	Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs	222.11	
26 24 19 00-0703	EA	Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs	222.11	
26 24 19 00-0704	EA	Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs	441.86	
26 24 19 00-0705		**Structure Combination Of Starters To 72" High** *(26 24 19 00-0686)*		
26 24 19 00-0706	EA	Structure Combination Of Starters To 72" High	3,455.71	537.07
26 24 19 00-0707		**Motor Control Center Basic Distribution Section** *(26 24 19 00-0483)*		
26 24 19 00-0708	EA	20" Wide Basic Section With Vertical Wireway	5,529.41	1,398.65
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
26 24 19 00-0709	EA	25" To 35" Wide Basic Section (No Vertical Wireway)	5,529.41	1,398.65
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	
26 24 19 00-0710	EA	25" Wide Basic Section With 9" Wide Vertical Wireway	6,173.19	1,398.65
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0711	EA	Corner Section	6,173.19	1,398.65
		For NEMA 12, Add	*245.00*	
		For 20" Cabinet Depth, Add	*108.00*	
		For 800 Amperes, Tin Plated Copper Bus, Add	*182.00*	
		For 600 Amperes, Tin Plated Copper Vertical, Add	*210.00*	
		For 1,200 Amperes, Tin Plated Copper Bus, Add	*334.00*	
		For 1,600 Amperes, Tin Plated Copper Bus, Add	*402.00*	
		For 2,000 Amperes, Tin Plated Copper Bus, Add	*506.00*	
		For NEMA 1 With Gasket, Add	*97.00*	

26 24 19 00-0712 Motor Control Center Starters With HMCP Circuit Breaker *(26 24 19 00-0483)*

Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.

26 24 19 00-0713 FVNR Starters With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0714	EA	Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker	1,513.04	196.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*117.86*	
26 24 19 00-0715	EA	Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker	1,684.44	217.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*130.72*	
26 24 19 00-0716	EA	Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker	2,960.18	292.87
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*175.74*	
26 24 19 00-0717	EA	Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker	4,311.80	386.14
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*231.71*	
26 24 19 00-0718	EA	Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker	10,016.44	482.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*289.58*	
26 24 19 00-0719	EA	Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker	23,731.17	482.58
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*289.58*	
26 24 19 00-0720	EA	Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker	1,540.93	169.91
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*101.94*	
26 24 19 00-0721	EA	Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker	1,738.03	191.33
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*114.80*	
26 24 19 00-0722	EA	Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker	3,044.52	261.24
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*156.74*	
26 24 19 00-0723	EA	Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker	4,329.72	354.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*212.48*	
26 24 19 00-0724	EA	Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker	10,047.63	457.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.32*	
26 24 19 00-0725	EA	Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker	23,909.93	457.17
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*274.32*	

26 24 19 00-0726 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0727	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,455.70	245.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.47*	
26 24 19 00-0728	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,026.64	271.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.19*	
26 24 19 00-0729	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,026.86	365.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.30*	
26 24 19 00-0730	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,716.31	483.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*289.91*	
26 24 19 00-0731	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	15,867.22	604.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*362.72*	
26 24 19 00-0732	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	2,511.70	212.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.34*	
26 24 19 00-0733	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	3,109.00	239.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.59*	
26 24 19 00-0734	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	5,138.72	327.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*196.25*	
26 24 19 00-0735	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	8,758.85	442.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.75*	
26 24 19 00-0736	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker	15,925.22	571.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*343.20*	

26 24 19 00-0737 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker *(26 24 19 00-0712)*

26 24 19 00-0738	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,701.84	245.83
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*147.47*	
26 24 19 00-0739	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,881.55	271.95
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*163.19*	
26 24 19 00-0740	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,394.67	365.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*219.30*	
26 24 19 00-0741	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,076.61	483.19
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*289.91*	
26 24 19 00-0742	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,371.48	604.53
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*362.72*	
26 24 19 00-0743	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	2,757.84	212.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*127.34*	
26 24 19 00-0744	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	3,963.91	239.30
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*143.59*	
26 24 19 00-0745	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	7,506.54	327.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*196.25*	
26 24 19 00-0746	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	10,119.15	442.88
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*265.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0747	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker	20,429.48	571.97
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*343.20*	
26 24 19 00-0748		**Motor Control Center Starters With Fusible Disconnect** *(26 24 19 00-0483)*		
		Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
26 24 19 00-0749		**FVNR Starters With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0750	EA	Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect	1,205.15	191.54
26 24 19 00-0751	EA	Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect	1,565.90	260.32
26 24 19 00-0752	EA	Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect	2,655.78	339.20
26 24 19 00-0753	EA	Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect	4,522.80	477.78
26 24 19 00-0754	EA	Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect	9,253.60	607.38
26 24 19 00-0755	EA	Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect	23,896.97	607.38
26 24 19 00-0756	EA	Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect	1,241.65	169.81
26 24 19 00-0757	EA	Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect	1,618.30	233.17
26 24 19 00-0758	EA	Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect	2,750.24	312.67
26 24 19 00-0759	EA	Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect	4,554.03	452.37
26 24 19 00-0760	EA	Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect	9,269.97	574.62
26 24 19 00-0761	EA	Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect	24,061.02	574.62
26 24 19 00-0762		**Two Speed 2-Winding (TS2W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0763	EA	Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,118.80	239.81
26 24 19 00-0764	EA	Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,956.27	325.42
26 24 19 00-0765	EA	Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,615.07	423.80
26 24 19 00-0766	EA	Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,810.79	598.91
26 24 19 00-0767	EA	Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,091.06	700.85
26 24 19 00-0768	EA	Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect	2,185.71	212.26
26 24 19 00-0769	EA	Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect	3,035.60	291.24
26 24 19 00-0770	EA	Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect	4,738.76	391.25
26 24 19 00-0771	EA	Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect	9,864.97	564.42
26 24 19 00-0772	EA	Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect	16,134.22	660.96
26 24 19 00-0773		**Two Speed 1-Winding (TS1W) With Fusible Disconnect** *(26 24 19 00-0748)*		
26 24 19 00-0774	EA	Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,489.64	239.81
26 24 19 00-0775	EA	Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,824.31	325.42
26 24 19 00-0776	EA	Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,007.50	423.80
26 24 19 00-0777	EA	Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,309.62	598.91
26 24 19 00-0778	EA	Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	19,679.70	700.85
26 24 19 00-0779	EA	Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect	2,557.65	212.26
26 24 19 00-0780	EA	Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect	3,903.64	291.24
26 24 19 00-0781	EA	Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect	7,131.19	391.25
26 24 19 00-0782	EA	Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect	10,363.80	564.42
26 24 19 00-0783	EA	Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect	19,722.87	660.96
26 24 19 00-0784		**Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit** *(26 24 19 00-0483)*		
		Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0785	EA	600 Amperes, Horizontal Tin Plated Copper Bus Kit	274.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 24 19 00-0786	EA	800 Amperes, Horizontal Tin Plated Copper Bus Kit	338.42	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.67*	
26 24 19 00-0787	EA	1,200 Amperes, Horizontal Tin Plated Copper Bus Kit	406.98	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 24 19 00-0788	EA	1,600 Amperes, Horizontal Tin Plated Copper Bus Kit	531.69	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.20*	
26 24 19 00-0789	EA	2,000 Amperes, Horizontal Tin Plated Copper Bus Kit	895.61	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.73*	
26 24 19 00-0790	EA	1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit	156.10	
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.14*	
26 24 19 00-0791		**Disconnect (Safety) Switch For Motor Control Centers** *(26 24 19 00-0483)*		
26 24 19 00-0792		**3 Pole Circuit Breaker Disconnect For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0793	EA	150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	985.56	147.46
26 24 19 00-0794	EA	150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	1,782.93	163.28
26 24 19 00-0795	EA	225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	2,162.40	219.91
26 24 19 00-0796	EA	400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	3,634.23	289.81
26 24 19 00-0797	EA	600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	6,363.96	362.26
26 24 19 00-0798	EA	800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	7,291.02	362.26
26 24 19 00-0799	EA	1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect	15,200.54	453.60
26 24 19 00-0800		**Fusible Disconnect (Safety) Switch For Motor Control Center** *(26 24 19 00-0791)*		
		Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0801	EA	30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips	828.24	143.38
26 24 19 00-0802	EA	60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips	965.18	195.42
26 24 19 00-0803	EA	100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips	1,330.32	250.02
26 24 19 00-0804	EA	200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips	2,526.33	358.18
26 24 19 00-0805	EA	400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips	4,565.41	455.54
26 24 19 00-0806	EA	600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips	10,735.18	455.54
26 24 19 00-0807	EA	800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips	13,268.42	569.42
26 24 19 00-0808	EA	1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips	19,727.00	569.42

26 24 19 00-0809 Control Circuit Transformer *(26 24 19 00-0483)*

26 24 19 00-0810	EA	Control Circuit Transformer, Size 1 Factory Installed	78.16	
26 24 19 00-0811	EA	Control Circuit Transformer, Size 2 Factory Installed	78.16	
26 24 19 00-0812	EA	Control Circuit Transformer, Size 3 Factory Installed	150.52	
26 24 19 00-0813	EA	Control Circuit Transformer, Size 4 Factory Installed	150.52	
26 24 19 00-0814	EA	Control Circuit Transformer, Size 5 Factory Installed	209.11	
26 24 19 00-0815	EA	Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay	52.36	11.55

26 24 19 00-0816 Cover Mounted Control Devices *(26 24 19 00-0483)*

26 24 19 00-0817	EA	Control Device, 2 Unit Push Button Station Cover Mounted	120.68	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.76*	
26 24 19 00-0818	EA	Control Device, 2-3 Unit Selector Switch Cover Mounted	134.20	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.95*	
26 24 19 00-0819	EA	Control Device, Pilot Light Cover Mounted	115.80	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 24 19 00-0820	EA	Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light	301.51	69.39
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*41.82*	
26 24 19 00-0821	EA	Auxiliary Contact Add Per Starter	389.33	26.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.86*	

26 24 19 00-0822 Extra Interlocks *(26 24 19 00-0483)*

Note: Per contact.

26 24 19 00-0823	EA	Extra Interlocks, Class I, Type A Per Contact	77.60	13.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 24 19 00-0824	EA	Extra Interlocks, Class I, Type B Per Contact	110.27	13.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.56*	
26 24 19 00-0825	EA	Extra Interlocks, Class I, Type C Per Contact	124.59	13.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.97*	
26 24 19 00-0826	EA	Extra Interlocks, Class II, Type B Per Contact	112.74	13.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.38*	
26 24 19 00-0827	EA	Extra Interlocks, Class II, Type C Per Contact	120.60	13.26
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.81*	

26 24 19 00-0828 Special Cabinet Provisions *(26 24 19 00-0483)*

26 24 19 00-0829	EA	Provisions For Bus Duct Entrance Special Cabinet Provisions	978.41	

26 24 19 00-0830 Nameplate Requirements *(26 24 19 00-0483)*

26 24 19 00-0831	EA	Special Cabinet Nameplate Requirements	34.74	

26 24 19 00-0832 Auxiliary Relays *(26 24 19 00-0483)*

26 24 19 00-0833	EA	Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts	179.77	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 24 19 00-0834	EA	Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay	169.32	23.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 24 19 00-0835	EA	General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base	91.32	23.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	

26 24 19 00-0836 Motor Control Center Accessories *(26 24 19 00-0483)*

26 24 19 00-0837 Lighting Transformer With Circuit Breaker *(26 24 19 00-0836)*

Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.

26 24 19 00-0838	EA	1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,525.16	329.24
26 24 19 00-0839	EA	1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	5,744.48	342.40
26 24 19 00-0840	EA	1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	6,287.65	368.74
26 24 19 00-0841	EA	1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	7,933.07	395.08
26 24 19 00-0842	EA	1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	10,712.94	421.41
26 24 19 00-0843	EA	1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	13,178.27	474.09
26 24 19 00-0844	EA	1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker	17,356.29	526.77
26 24 19 00-0845	EA	3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,083.94	434.59
26 24 19 00-0846	EA	3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	10,954.87	474.09
26 24 19 00-0847	EA	3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	12,535.82	526.77
26 24 19 00-0848	EA	3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	13,290.48	579.45
26 24 19 00-0849	EA	3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,063.37	632.12
26 24 19 00-0850	EA	3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker	16,560.71	684.80

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0851		**Bolt-On Lighting Panel** *(26 24 19 00-0836)* Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0852	EA	18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	2,123.49	531.05
26 24 19 00-0853	EA	30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	3,259.82	924.34
26 24 19 00-0854	EA	42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt	4,320.37	1,250.58
26 24 19 00-0855	EA	18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	2,210.56	574.62
26 24 19 00-0856	EA	30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	3,220.49	904.65
26 24 19 00-0857	EA	42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt	4,476.69	1,328.75
26 24 19 00-0858	EA	18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	3,732.54	615.95
26 24 19 00-0859	EA	30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	4,880.37	988.83
26 24 19 00-0860	EA	42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt	6,048.67	1,328.75
26 24 19 00-0861	EA	18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	3,829.42	664.32
26 24 19 00-0862	EA	30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	4,880.37	988.83
26 24 19 00-0863	EA	42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt	6,134.39	1,371.60
26 24 19 00-0864		**Factory Installed Bolt-On Branch Circuit Breaker** *(26 24 19 00-0836)* Note: For MCC lighting panel only.		
26 24 19 00-0865	EA	15 To 30 Amperes,1 Pole, Bolt-On Branch Circuit Breaker	27.70	
26 24 19 00-0866	EA	15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker	301.53	
26 24 19 00-0867	EA	15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	54.14	
26 24 19 00-0868	EA	60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker	124.65	
26 24 19 00-0869	EA	15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	146.05	
26 24 19 00-0870	EA	60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker	221.60	
26 24 19 00-0871		**Blank Unit Door (BUD)** *(26 24 19 00-0836)* Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0872	EA	6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	80.41	
26 24 19 00-0873	EA	12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	96.49	
26 24 19 00-0874	EA	18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	144.73	
26 24 19 00-0875	EA	24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	192.98	
26 24 19 00-0876	EA	30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	289.47	
26 24 19 00-0877	EA	48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	337.71	
26 24 19 00-0878	EA	72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure	385.96	

26 25 Enclosed Bus Assemblies *(26 20)*

26 25 13 Low-Voltage Busways *(26 25)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0001		**Plug-In Bus Duct** *(26 25 13)* Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
26 25 13 00-0002		**600 Volt, 3-Phase, 3-Wire, Copper Conductors** *(26 25 13 00-0001)*		
26 25 13 00-0003	LF	225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	275.27	30.61
		For Up To 25, Add	*68.82*	
		For >25 To 50, Add	*41.29*	
		For >50 To 100, Add	*20.65*	
26 25 13 00-0004	LF	400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	391.53	30.61
		For Up To 25, Add	*97.88*	
		For >25 To 50, Add	*58.73*	
		For >50 To 100, Add	*29.36*	
26 25 13 00-0005	LF	600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	496.80	40.82
		For Up To 25, Add	*124.20*	
		For >25 To 50, Add	*74.52*	
		For >50 To 100, Add	*37.26*	
26 25 13 00-0006	LF	800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	688.01	40.82
		For Up To 25, Add	*172.00*	
		For >25 To 50, Add	*103.20*	
		For >50 To 100, Add	*51.60*	
26 25 13 00-0007	LF	1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	725.68	51.02
		For Up To 25, Add	*181.42*	
		For >25 To 50, Add	*108.85*	
		For >50 To 100, Add	*54.43*	
26 25 13 00-0008	LF	1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,013.38	51.02
		For Up To 25, Add	*253.35*	
		For >25 To 50, Add	*152.01*	
		For >50 To 100, Add	*76.00*	
26 25 13 00-0009	LF	1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,187.17	53.57
		For Up To 25, Add	*296.79*	
		For >25 To 50, Add	*178.08*	
		For >50 To 100, Add	*89.04*	
26 25 13 00-0010	LF	2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,447.20	55.10
		For Up To 25, Add	*361.80*	
		For >25 To 50, Add	*217.08*	
		For >50 To 100, Add	*108.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0011	LF	2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	1,787.75	58.16
		For Up To 25, Add	*446.94*	
		For >25 To 50, Add	*268.16*	
		For >50 To 100, Add	*134.08*	
26 25 13 00-0012	LF	3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,064.12	67.86
		For Up To 25, Add	*516.03*	
		For >25 To 50, Add	*309.62*	
		For >50 To 100, Add	*154.81*	
26 25 13 00-0013	LF	4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors	2,389.49	73.98
		For Up To 25, Add	*597.37*	
		For >25 To 50, Add	*358.42*	
		For >50 To 100, Add	*179.21*	
26 25 13 00-0014		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0001)*		
26 25 13 00-0015	LF	225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	454.58	30.61
		For Up To 25, Add	*113.65*	
		For >25 To 50, Add	*68.19*	
		For >50 To 100, Add	*34.09*	
26 25 13 00-0016	LF	400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	657.87	30.61
		For Up To 25, Add	*164.47*	
		For >25 To 50, Add	*98.68*	
		For >50 To 100, Add	*49.34*	
26 25 13 00-0017	LF	600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	743.87	40.82
		For Up To 25, Add	*185.97*	
		For >25 To 50, Add	*111.58*	
		For >50 To 100, Add	*55.79*	
26 25 13 00-0018	LF	800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	946.88	40.82
		For Up To 25, Add	*236.72*	
		For >25 To 50, Add	*142.03*	
		For >50 To 100, Add	*71.02*	
26 25 13 00-0019	LF	1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,156.06	51.02
		For Up To 25, Add	*289.02*	
		For >25 To 50, Add	*173.41*	
		For >50 To 100, Add	*86.70*	
26 25 13 00-0020	LF	1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,499.83	51.02
		For Up To 25, Add	*374.96*	
		For >25 To 50, Add	*224.97*	
		For >50 To 100, Add	*112.49*	
26 25 13 00-0021	LF	1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	1,940.45	52.86
		For Up To 25, Add	*485.11*	
		For >25 To 50, Add	*291.07*	
		For >50 To 100, Add	*145.53*	
26 25 13 00-0022	LF	2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,338.49	55.10
		For Up To 25, Add	*584.62*	
		For >25 To 50, Add	*350.77*	
		For >50 To 100, Add	*175.39*	
26 25 13 00-0023	LF	2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	2,901.96	57.65
		For Up To 25, Add	*725.49*	
		For >25 To 50, Add	*435.29*	
		For >50 To 100, Add	*217.65*	
26 25 13 00-0024	LF	3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,349.78	67.86
		For Up To 25, Add	*837.45*	
		For >25 To 50, Add	*502.47*	
		For >50 To 100, Add	*251.23*	
26 25 13 00-0025	LF	4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors	3,883.83	73.98
		For Up To 25, Add	*970.96*	
		For >25 To 50, Add	*582.57*	
		For >50 To 100, Add	*291.29*	
26 25 13 00-0026		Cable Tap Boxes *(26 25 13 00-0001)*		
26 25 13 00-0027		600 Volt, 3-Phase, 3-Wire, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0028	EA	225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,287.47	142.87
26 25 13 00-0029	EA	400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,357.75	142.87
26 25 13 00-0030	EA	600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,544.99	193.89
26 25 13 00-0031	EA	800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,704.02	193.89
26 25 13 00-0032	EA	1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	2,896.79	255.12
26 25 13 00-0033	EA	1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire	3,172.59	255.12
26 25 13 00-0034		277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors *(26 25 13 00-0026)*		
26 25 13 00-0035	EA	225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,357.75	280.63
26 25 13 00-0036	EA	400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,556.70	280.63
26 25 13 00-0037	EA	600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	2,726.40	382.67
26 25 13 00-0038	EA	800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,062.66	382.67
26 25 13 00-0039	EA	1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,215.68	510.23
26 25 13 00-0040	EA	1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire	3,660.28	510.23
26 25 13 00-0041		Bus Duct Plug-In Circuit Breaker *(26 25 13 00-0001)*		
26 25 13 00-0042		240 Volt, 3-Phase *(26 25 13 00-0041)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0043	EA	60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	1,021.65	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.82*	
26 25 13 00-0044	EA	100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker	2,050.25	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.66*	
26 25 13 00-0045		**600 Volt, 3-Phase** *(26 25 13 00-0041)*		
26 25 13 00-0046	EA	60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	1,997.45	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.82*	
26 25 13 00-0047	EA	100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker	2,587.46	102.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*71.66*	
26 25 13 00-0048		**120/208 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0049	EA	60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,176.72	122.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.78*	
26 25 13 00-0050	EA	100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker	1,404.17	122.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.73*	
26 25 13 00-0051		**277/480 Volt, 3-Phase, 4-Wire** *(26 25 13 00-0041)*		
26 25 13 00-0052	EA	60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	1,351.02	122.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*63.78*	
26 25 13 00-0053	EA	100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	2,086.70	122.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*79.73*	
26 25 13 00-0054	EA	225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	3,018.22	423.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*183.54*	
26 25 13 00-0055	EA	400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	7,221.40	423.49
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*398.62*	
26 25 13 00-0056	EA	600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	8,019.00	1,224.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*554.60*	
26 25 13 00-0057	EA	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker	9,903.83	1,224.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*981.22*	
26 25 13 00-0058		**Bus Duct Plug-In Fusible Switch** *(26 25 13 00-0001)*		
26 25 13 00-0059		**240 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0060	EA	30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,019.25	102.05
26 25 13 00-0061	EA	60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,116.50	102.05
26 25 13 00-0062	EA	100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,547.09	122.45
26 25 13 00-0063	EA	200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,607.44	244.91
26 25 13 00-0064	EA	400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,613.22	551.05
26 25 13 00-0065	EA	600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	9,840.66	959.24
26 25 13 00-0066		**600 Volt, 3-Pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0067	EA	30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,063.38	112.25
26 25 13 00-0068	EA	60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,157.97	112.25
26 25 13 00-0069	EA	100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,562.75	112.25
26 25 13 00-0070	EA	200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,676.62	234.71
26 25 13 00-0071	EA	400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	6,585.96	530.64
26 25 13 00-0072	EA	600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,033.93	1,020.46
26 25 13 00-0073	EA	800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,563.33	1,326.60
26 25 13 00-0074		**120/208 Volt, 4-pole, 3 Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0075	EA	30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,180.87	132.66
26 25 13 00-0076	EA	60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,263.67	132.66
26 25 13 00-0077	EA	100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,709.10	132.66
26 25 13 00-0078	EA	200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	2,898.65	275.52
26 25 13 00-0079	EA	400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,248.83	612.28
26 25 13 00-0080	EA	600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,539.27	938.82
26 25 13 00-0081		**277/480 Volt, 4-pole, 3-Fuse** *(26 25 13 00-0058)*		
26 25 13 00-0082	EA	30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,220.96	132.66
26 25 13 00-0083	EA	60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,303.75	112.56
26 25 13 00-0084	EA	100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	1,826.11	153.07
26 25 13 00-0085	EA	200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	3,023.50	275.52
26 25 13 00-0086	EA	400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	7,248.83	612.28
26 25 13 00-0087	EA	600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	10,539.27	938.82
26 25 13 00-0088	EA	800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch	16,765.25	1,244.97

26 25 16 Low-Voltage Cablebus Systems *(26 25)*

26 25 16 00-0001 Feeder Bus Duct *(26 25 16)*

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0002		600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance *(26 25 16 00-0001)* Note: Copper conductors.		
26 25 16 00-0003	LF	800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	829.96	42.86
		For Up To 25, Add	*207.49*	
		For >25 To 50, Add	*124.49*	
		For >50 To 100, Add	*62.25*	
26 25 16 00-0004	LF	1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	840.53	42.86
		For Up To 25, Add	*210.13*	
		For >25 To 50, Add	*126.08*	
		For >50 To 100, Add	*63.04*	
26 25 16 00-0005	LF	1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,102.44	42.86
		For Up To 25, Add	*275.61*	
		For >25 To 50, Add	*165.37*	
		For >50 To 100, Add	*82.68*	
26 25 16 00-0006	LF	1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,325.53	42.86
		For Up To 25, Add	*331.38*	
		For >25 To 50, Add	*198.83*	
		For >50 To 100, Add	*99.41*	
26 25 16 00-0007	LF	2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	1,621.17	42.86
		For Up To 25, Add	*405.29*	
		For >25 To 50, Add	*243.18*	
		For >50 To 100, Add	*121.59*	
26 25 16 00-0008	LF	3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	2,211.68	102.05
		For Up To 25, Add	*552.92*	
		For >25 To 50, Add	*331.75*	
		For >50 To 100, Add	*165.88*	
26 25 16 00-0009	LF	4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,060.18	102.05
		For Up To 25, Add	*765.05*	
		For >25 To 50, Add	*459.03*	
		For >50 To 100, Add	*229.51*	
26 25 16 00-0010	LF	5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	3,620.44	102.05
		For Up To 25, Add	*905.11*	
		For >25 To 50, Add	*543.07*	
		For >50 To 100, Add	*271.53*	
26 25 16 00-0011	LF	6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports	4,461.83	102.05
		For Up To 25, Add	*1,115.46*	
		For >25 To 50, Add	*669.27*	
		For >50 To 100, Add	*334.64*	
26 25 16 00-0012		277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated *(26 25 16 00-0001)* Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF	800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	953.04	45.92
		For Up To 25, Add	*238.26*	
		For >25 To 50, Add	*142.96*	
		For >50 To 100, Add	*71.48*	
26 25 16 00-0014	LF	1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	966.75	45.92
		For Up To 25, Add	*241.69*	
		For >25 To 50, Add	*145.01*	
		For >50 To 100, Add	*72.51*	
26 25 16 00-0015	LF	1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,246.17	45.92
		For Up To 25, Add	*311.54*	
		For >25 To 50, Add	*186.93*	
		For >50 To 100, Add	*93.46*	
26 25 16 00-0016	LF	1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,477.43	45.92
		For Up To 25, Add	*369.36*	
		For >25 To 50, Add	*221.61*	
		For >50 To 100, Add	*110.81*	
26 25 16 00-0017	LF	2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	1,785.55	45.92
		For Up To 25, Add	*446.39*	
		For >25 To 50, Add	*267.83*	
		For >50 To 100, Add	*133.92*	
26 25 16 00-0018	LF	3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	2,746.49	78.58
		For Up To 25, Add	*686.62*	
		For >25 To 50, Add	*411.97*	
		For >50 To 100, Add	*205.99*	
26 25 16 00-0019	LF	4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	3,445.13	78.58
		For Up To 25, Add	*861.28*	
		For >25 To 50, Add	*516.77*	
		For >50 To 100, Add	*258.38*	
26 25 16 00-0020	LF	5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	4,075.85	145.92
		For Up To 25, Add	*1,018.96*	
		For >25 To 50, Add	*611.38*	
		For >50 To 100, Add	*305.69*	
26 25 16 00-0021	LF	6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports	5,029.94	145.92
		For Up To 25, Add	*1,257.49*	
		For >25 To 50, Add	*754.49*	
		For >50 To 100, Add	*377.25*	

26 27 Low-Voltage Distribution Equipment *(26 20)*

26 27 13 Electricity Metering *(26 27)*

26 27 13 00-0001 Revenue Metering *(26 27 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0002		**Meter Socket Base** *(26 27 13 00-0001)*		
		Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.		
26 27 13 00-0003	EA	100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	262.73	66.33
26 27 13 00-0004	EA	100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	280.25	66.33
26 27 13 00-0005	EA	150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	309.34	73.98
26 27 13 00-0006	EA	150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	320.59	73.98
26 27 13 00-0007	EA	200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass	355.97	81.63
26 27 13 00-0008	EA	200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass	360.95	81.63
26 27 13 00-0009	EA	200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	935.86	129.60
26 27 13 00-0010	EA	320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	1,211.40	144.91
26 27 13 00-0011	EA	400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release	2,751.49	160.21
26 27 13 00-0012	EA	Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base	2,675.37	510.23
26 27 13 00-0013		**Meter Device** *(26 27 13 00-0001)*		
		Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.		
26 27 13 00-0014	EA	100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	277.64	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.55*	
26 27 13 00-0015	EA	150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	330.02	21.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.71*	
26 27 13 00-0016	EA	200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter	405.99	21.43
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.86*	
26 27 13 00-0017	EA	200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	801.74	21.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.04*	
26 27 13 00-0018	EA	320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,126.56	23.00
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.80*	
26 27 13 00-0019	EA	400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter	1,833.08	25.56
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.34*	
26 27 13 00-0020		**Current Transformer Enclosure** *(26 27 13 00-0001)*		
26 27 13 00-0021	EA	18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure	533.95	132.66
26 27 13 00-0022		**120/240 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0023		**800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0024	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,091.15	63.78
26 27 13 00-0025	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,439.75	76.53
26 27 13 00-0026	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	1,786.47	89.29
26 27 13 00-0027	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,070.84	102.05
26 27 13 00-0028	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,704.73	114.80
26 27 13 00-0029	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	2,919.19	127.55
26 27 13 00-0030	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max	3,404.79	153.07
26 27 13 00-0031		**1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0032	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,035.87	63.78
26 27 13 00-0033	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	2,684.88	76.53
26 27 13 00-0034	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	3,699.52	102.05
26 27 13 00-0035	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	4,102.89	114.80
26 27 13 00-0036	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max	5,167.59	127.55
26 27 13 00-0037		**800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0038	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,674.99	89.29
26 27 13 00-0039	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,206.88	102.05
26 27 13 00-0040	EA	5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,704.73	114.80
26 27 13 00-0041	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,183.71	127.55
26 27 13 00-0042	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,021.67	140.32
26 27 13 00-0043	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,217.23	153.07
26 27 13 00-0044	EA	10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,231.84	178.58
26 27 13 00-0045		**1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole** *(26 27 13 00-0022)*		
26 27 13 00-0046	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,615.92	89.29
26 27 13 00-0047	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,434.99	102.05
26 27 13 00-0048	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,846.39	127.55
26 27 13 00-0049	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,193.10	140.32
26 27 13 00-0050	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,654.53	153.07
26 27 13 00-0051		**120/208 Volt Meter Center And Main Breaker, Indoor Housing** *(26 27 13 00-0001)*		
26 27 13 00-0052		**800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole** *(26 27 13 00-0051)*		
26 27 13 00-0053	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,184.68	76.53
26 27 13 00-0054	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,554.07	89.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0055	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	1,921.58	102.05
26 27 13 00-0056	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,232.38	114.80
26 27 13 00-0057	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,749.14	127.55
26 27 13 00-0058	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	2,963.59	140.32
26 27 13 00-0059	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max	3,657.02	165.83
26 27 13 00-0060		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0061	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,136.95	76.53
26 27 13 00-0062	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,823.77	89.29
26 27 13 00-0063	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,084.00	114.80
26 27 13 00-0064	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,487.40	127.55
26 27 13 00-0065	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,438.75	140.32
26 27 13 00-0066		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0067	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,768.54	102.05
26 27 13 00-0068	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,307.97	114.80
26 27 13 00-0069	EA	5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,862.53	127.55
26 27 13 00-0070	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,341.51	140.32
26 27 13 00-0071	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,217.26	153.07
26 27 13 00-0072	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,412.79	165.83
26 27 13 00-0073	EA	10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,503.02	191.33
26 27 13 00-0074		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0051)*		
26 27 13 00-0075	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,735.92	102.05
26 27 13 00-0076	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,611.67	114.80
26 27 13 00-0077	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,193.13	140.32
26 27 13 00-0078	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,426.46	153.07
26 27 13 00-0079	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,906.81	165.83
26 27 13 00-0080		120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0081		800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0082	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,091.15	63.78
26 27 13 00-0083	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,439.75	76.53
26 27 13 00-0084	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,070.84	102.05
26 27 13 00-0085	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,704.73	114.80
26 27 13 00-0086	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,353.76	127.55
26 27 13 00-0087		1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0088	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,035.86	63.78
26 27 13 00-0089	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,684.87	76.53
26 27 13 00-0090	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,888.45	102.05
26 27 13 00-0091	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,291.84	114.80
26 27 13 00-0092	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,167.59	127.55
26 27 13 00-0093		800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0094	EA	3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,674.99	89.29
26 27 13 00-0095	EA	4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,206.88	102.05
26 27 13 00-0096	EA	6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,183.71	127.55
26 27 13 00-0097	EA	7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,021.67	140.32
26 27 13 00-0098	EA	8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,217.23	153.07
26 27 13 00-0099		1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0080)*		
26 27 13 00-0100	EA	3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,615.93	89.29
26 27 13 00-0101	EA	4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,434.99	102.05
26 27 13 00-0102	EA	6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,846.39	127.55
26 27 13 00-0103	EA	7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,193.10	140.32
26 27 13 00-0104	EA	8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,654.57	153.07
26 27 13 00-0105		120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing *(26 27 13 00-0001)*		
26 27 13 00-0106		800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0107	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,184.68	76.53
26 27 13 00-0108	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	1,554.07	89.29
26 27 13 00-0109	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,232.38	114.80
26 27 13 00-0110	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,938.08	127.55
26 27 13 00-0111	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,341.48	140.32
26 27 13 00-0112		1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0113	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,136.94	76.53
26 27 13 00-0114	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	2,823.76	89.29
26 27 13 00-0115	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	3,895.06	114.80
26 27 13 00-0116	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	4,298.46	127.55
26 27 13 00-0117	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity	5,438.72	140.32
26 27 13 00-0118		800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0119	EA	3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	1,768.53	102.05
26 27 13 00-0120	EA	4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,307.95	114.80
26 27 13 00-0121	EA	6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,341.48	140.32
26 27 13 00-0122	EA	7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,217.23	153.07
26 27 13 00-0123	EA	8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	4,412.79	165.83
26 27 13 00-0124		1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole *(26 27 13 00-0105)*		
26 27 13 00-0125	EA	3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	2,735.91	102.05
26 27 13 00-0126	EA	4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	3,611.65	114.80
26 27 13 00-0127	EA	6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,193.10	140.32
26 27 13 00-0128	EA	7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	5,426.46	153.07
26 27 13 00-0129	EA	8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity	6,906.81	165.83
26 27 13 00-0130		Watt/Hour Meters *(26 27 13)*		
26 27 13 00-0131	EA	Single Phase M-90 Meter, Socket, NEMA 3R Enclosure	1,238.69	61.23
26 27 13 00-0132	EA	Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure	3,535.26	122.45
26 27 13 00-0133	EA	Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure	1,853.84	91.84
26 27 13 00-0134	EA	Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure	2,285.35	91.84
26 27 13 00-0135	EA	Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure	1,917.23	91.84
26 27 13 00-0136	EA	C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	1,308.19	84.70
26 27 13 00-0137	EA	P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure	2,232.07	153.07
26 27 13 00-0138		Watt/Hour Meter Systems *(26 27 13)* Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.		
26 27 13 00-0139		Watt/Hour Meter System Without Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0140	EA	400 Amperes System; 200 Amperes M-90 Meter And Enclosure	5,605.01	612.38
26 27 13 00-0141	EA	600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure	6,623.36	612.38
26 27 13 00-0142		Watt/Hour Meter System With Main Breaker *(26 27 13 00-0138)*		
26 27 13 00-0143	EA	400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	10,076.10	612.38
26 27 13 00-0144	EA	600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	12,296.67	612.38
26 27 13 00-0145	EA	800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure	13,238.40	612.38
26 27 16		**Electrical Cabinets and Enclosures** *(26 27)* Note: Can be used as enclosure or pull/junction boxes.		
26 27 16 00-0001		NEMA 1 Enclosures, Lockable *(26 27 16)*		
26 27 16 00-0002		Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0001)*		
26 27 16 00-0003		4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0002)*		
26 27 16 00-0004	EA	6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	68.33	20.41
26 27 16 00-0005	EA	6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	76.94	22.45
26 27 16 00-0006	EA	8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	85.63	24.49
26 27 16 00-0007	EA	8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	99.98	28.58
26 27 16 00-0008	EA	10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	109.25	30.61
26 27 16 00-0009	EA	10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	119.30	32.66
26 27 16 00-0010	EA	12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	118.90	32.66
26 27 16 00-0011	EA	12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	129.23	34.69
26 27 16 00-0012	EA	12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	140.15	36.74
26 27 16 00-0013	EA	16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	180.82	48.98
26 27 16 00-0014	EA	16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	219.51	59.19
26 27 16 00-0015	EA	18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure	207.91	57.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0016		**6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0002)*		
26 27 16 00-0017	EA	6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	86.41	24.49
26 27 16 00-0018	EA	8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	105.70	28.58
26 27 16 00-0019	EA	10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	125.78	34.69
26 27 16 00-0020	EA	10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	136.40	36.74
26 27 16 00-0021	EA	12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	147.27	38.78
26 27 16 00-0022	EA	12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	158.70	40.82
26 27 16 00-0023	EA	16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	200.67	53.06
26 27 16 00-0024	EA	16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	242.63	65.31
26 27 16 00-0025	EA	18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	233.79	63.27
26 27 16 00-0026	EA	18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	304.98	81.63
26 27 16 00-0027	EA	24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	398.93	93.89
26 27 16 00-0028	EA	24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	459.46	102.05
26 27 16 00-0029	EA	30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	515.22	108.17
26 27 16 00-0030	EA	36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure	565.89	112.25
26 27 16 00-0031	EA	24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L)	384.06	81.63
26 27 16 00-0032		**Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0001)*		
26 27 16 00-0033		**3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0034	EA	4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	46.78	14.29
26 27 16 00-0035	EA	6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	66.87	20.41
26 27 16 00-0036	EA	8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure	74.79	22.45
26 27 16 00-0037		**4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0038	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	52.09	16.32
26 27 16 00-0039	EA	6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	64.47	20.41
26 27 16 00-0040	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	72.24	22.45
26 27 16 00-0041	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	80.15	24.49
26 27 16 00-0042	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	93.52	28.58
26 27 16 00-0043	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	101.86	30.61
26 27 16 00-0044	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	110.70	32.66
26 27 16 00-0045	EA	12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	110.33	32.66
26 27 16 00-0046	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	119.61	34.69
26 27 16 00-0047	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	129.19	36.74
26 27 16 00-0048	EA	16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	168.41	48.98
26 27 16 00-0049	EA	16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	208.37	61.23
26 27 16 00-0050	EA	18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	193.14	57.15
26 27 16 00-0051	EA	18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	250.51	73.47
26 27 16 00-0052	EA	24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure	370.50	91.84
26 27 16 00-0053		**6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0054	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	80.68	24.49
26 27 16 00-0055	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	89.30	26.53
26 27 16 00-0056	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	102.90	30.61
26 27 16 00-0057	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	116.87	34.69
26 27 16 00-0058	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	126.30	36.74
26 27 16 00-0059	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	135.84	38.78
26 27 16 00-0060	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	145.83	40.82
26 27 16 00-0061	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	186.22	53.06
26 27 16 00-0062	EA	16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	228.74	65.31
26 27 16 00-0063	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	216.65	63.27
26 27 16 00-0064	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	282.08	81.63
26 27 16 00-0065	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	357.30	93.89
26 27 16 00-0066	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	412.94	102.05
26 27 16 00-0067	EA	30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	447.08	108.17
26 27 16 00-0068	EA	36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure	492.79	112.25
26 27 16 00-0069		**8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0070	EA	8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	116.87	34.69
26 27 16 00-0071	EA	12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	160.95	44.90
26 27 16 00-0072	EA	16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	204.57	57.15
26 27 16 00-0073	EA	16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	253.59	71.43
26 27 16 00-0074	EA	18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	241.67	69.39
26 27 16 00-0075	EA	18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	299.53	85.72
26 27 16 00-0076	EA	24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	332.57	97.97
26 27 16 00-0077	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	391.66	104.08
26 27 16 00-0078	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	455.52	112.25
26 27 16 00-0079	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	485.34	118.37
26 27 16 00-0080	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	511.08	122.45
26 27 16 00-0081	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure	526.62	122.45
26 27 16 00-0082		**10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures** *(26 27 16 00-0032)*		
26 27 16 00-0083	EA	18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	275.02	77.55
26 27 16 00-0084	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	363.23	100.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0085	EA	24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	364.62	106.13
26 27 16 00-0086	EA	24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	487.52	114.29
26 27 16 00-0087	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	564.16	126.54
26 27 16 00-0088	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	632.17	130.62
26 27 16 00-0089	EA	36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure	675.98	136.74
26 27 16 00-0090		12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures *(26 27 16 00-0032)*		
26 27 16 00-0091	EA	18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	401.12	110.21
26 27 16 00-0092	EA	24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	395.44	116.34
26 27 16 00-0093	EA	24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	535.48	126.54
26 27 16 00-0094	EA	24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	615.41	138.78
26 27 16 00-0095	EA	30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	697.26	144.91
26 27 16 00-0096	EA	36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure	736.55	151.03
26 27 16 00-0097		NEMA 1 Enclosures For Up To 6 Boards, Lockable *(26 27 16)*		
26 27 16 00-0098		4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures *(26 27 16 00-0097)*		
26 27 16 00-0099	EA	24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12)	1,204.99	89.81
26 27 16 00-0100		NEMA 12 Enclosures, Lockable *(26 27 16)*		
		Note: Dust-tight enclosures.		
26 27 16 00-0101		Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0102		4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0103	EA	4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	106.26	16.32
26 27 16 00-0104	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	137.53	22.45
26 27 16 00-0105	EA	8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	169.56	28.58
26 27 16 00-0106	EA	10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	183.81	30.61
26 27 16 00-0107	EA	12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	207.56	32.66
26 27 16 00-0108	EA	12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	223.94	34.69
26 27 16 00-0109		6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0101)*		
26 27 16 00-0110	EA	6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	153.00	24.49
26 27 16 00-0111	EA	8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure	168.89	26.53
26 27 16 00-0112		Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0113		4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0114	EA	4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	227.64	16.32
26 27 16 00-0115	EA	6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	270.81	22.45
26 27 16 00-0116	EA	8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	306.95	24.49
26 27 16 00-0117	EA	8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	350.74	28.58
26 27 16 00-0118	EA	10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	359.78	30.61
26 27 16 00-0119	EA	10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	427.66	32.66
26 27 16 00-0120	EA	12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	459.49	34.69
26 27 16 00-0121	EA	12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure	525.02	36.74
26 27 16 00-0122		6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0123	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	331.95	24.49
26 27 16 00-0124	EA	8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	376.17	26.53
26 27 16 00-0125	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	408.70	30.61
26 27 16 00-0126	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	482.97	36.74
26 27 16 00-0127	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	523.78	40.82
26 27 16 00-0128	EA	16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	730.20	53.06
26 27 16 00-0129	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,132.03	81.63
26 27 16 00-0130	EA	24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,493.09	93.89
26 27 16 00-0131	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,686.39	102.05
26 27 16 00-0132		8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0112)*		
26 27 16 00-0133	EA	24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,551.99	104.08
26 27 16 00-0134	EA	24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,794.65	112.25
26 27 16 00-0135	EA	30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	1,976.68	118.37
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,185.72	122.45
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure	2,154.30	122.45
26 27 16 00-0138		Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0100)*		
26 27 16 00-0139		8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,088.96	165.83

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0141		10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,147.38	183.68
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,207.75	196.44
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,430.39	244.91
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,520.50	288.79
26 27 16 00-0146		12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures *(26 27 16 00-0138)*		
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	7,565.23	288.79
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	8,443.37	306.14
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	9,603.39	326.55
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure	10,618.71	326.55
26 27 16 00-0151		NEMA 3 Enclosures, Lockable *(26 27 16)* Note: Can be used underground or encased in concrete.		
26 27 16 00-0152		2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	309.36	71.43
26 27 16 00-0154		3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	335.71	71.43
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	440.55	73.98
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	458.48	73.98
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	586.99	76.53
26 27 16 00-0159		4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	435.71	73.98
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	482.58	73.98
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	503.44	76.53
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	647.43	76.53
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	713.39	81.63
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	768.66	86.74
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	802.91	86.74
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	964.12	89.29
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,049.33	91.84
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,452.63	102.05
26 27 16 00-0170		6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	684.97	79.09
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	870.21	89.29
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,028.27	91.84
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,192.80	94.40
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,273.58	94.40
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,452.20	102.05
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,681.98	114.80
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,583.87	109.70
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,085.66	204.10
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	5,413.20	255.12
26 27 16 00-0181		8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,284.46	96.94
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,944.04	127.55
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	1,977.03	127.55
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	2,665.75	191.33
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	3,543.92	204.10
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	9,103.28	357.16
26 27 16 00-0188		10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	4,737.08	255.12
26 27 16 00-0190		12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures *(26 27 16 00-0151)*		
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	7,344.76	306.14
26 27 16 00-0192	EA	24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure	6,020.47	280.63
26 27 16 00-0193		NEMA 3R Enclosures, Lockable *(26 27 16)* Note: Rain-tight enclosures.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0194		Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0193)*		
26 27 16 00-0195		4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0196	EA	6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	96.37	20.41
26 27 16 00-0197	EA	6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	106.47	22.45
26 27 16 00-0198	EA	8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	164.79	24.49
26 27 16 00-0199		6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0200	EA	8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	207.61	30.61
26 27 16 00-0201	EA	10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	231.60	34.69
26 27 16 00-0202	EA	12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	273.33	38.78
26 27 16 00-0203	EA	12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	296.41	40.82
26 27 16 00-0204	EA	16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	385.97	53.06
26 27 16 00-0205	EA	16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	460.03	65.31
26 27 16 00-0206	EA	18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	519.65	81.63
26 27 16 00-0207		8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0208	EA	24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	805.66	104.08
26 27 16 00-0209	EA	24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	896.15	112.25
26 27 16 00-0210	EA	30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,015.39	118.37
26 27 16 00-0211	EA	30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,069.67	122.45
26 27 16 00-0212		10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0213	EA	12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,001.07	126.54
26 27 16 00-0214	EA	12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,130.91	142.87
26 27 16 00-0215	EA	12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,251.85	158.18
26 27 16 00-0216	EA	12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,379.65	174.50
26 27 16 00-0217	EA	12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,501.62	189.81
26 27 16 00-0218	EA	18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	637.16	100.00
26 27 16 00-0219	EA	24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,001.07	126.54
26 27 16 00-0220	EA	30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,201.18	130.62
26 27 16 00-0221	EA	36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,539.14	142.87
26 27 16 00-0222		12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0194)*		
26 27 16 00-0223	EA	12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	989.11	101.03
26 27 16 00-0224	EA	12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,108.75	113.27
26 27 16 00-0225	EA	12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,227.39	125.52
26 27 16 00-0226	EA	12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,358.03	138.78
26 27 16 00-0227	EA	12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,477.67	151.03
26 27 16 00-0228	EA	18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	738.84	75.52
26 27 16 00-0229	EA	18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	989.11	101.03
26 27 16 00-0230	EA	18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,108.75	113.27
26 27 16 00-0231	EA	18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,306.33	132.66
26 27 16 00-0232	EA	18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,477.67	151.03
26 27 16 00-0233	EA	30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,399.94	148.99
26 27 16 00-0234	EA	36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,477.67	151.03
26 27 16 00-0235	EA	36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,559.83	155.11
26 27 16 00-0236	EA	36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,745.37	163.28
26 27 16 00-0237	EA	42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure	1,897.67	171.44
26 27 16 00-0238		Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0193)*		
26 27 16 00-0239		4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0238)*		
26 27 16 00-0240	EA	4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	68.80	16.32
26 27 16 00-0241	EA	6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	82.51	20.41
26 27 16 00-0242	EA	6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	91.19	22.45
26 27 16 00-0243	EA	8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	101.50	24.49
26 27 16 00-0244	EA	8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	117.73	28.58
26 27 16 00-0245	EA	10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	128.83	30.61
26 27 16 00-0246	EA	10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	141.07	32.66
26 27 16 00-0247	EA	12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	140.30	32.66
26 27 16 00-0248	EA	12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	154.33	34.69
26 27 16 00-0249	EA	12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	166.57	36.74
26 27 16 00-0250	EA	18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	250.07	57.15
26 27 16 00-0251	EA	18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure	336.22	73.47
26 27 16 00-0252		6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures *(26 27 16 00-0238)*		
26 27 16 00-0253	EA	6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	93.86	24.49
26 27 16 00-0254	EA	8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	130.89	30.61
26 27 16 00-0255	EA	10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	148.27	34.69
26 27 16 00-0256	EA	10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	161.57	36.74
26 27 16 00-0257	EA	12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	160.43	36.74
26 27 16 00-0258	EA	12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	174.65	38.78
26 27 16 00-0259	EA	12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	189.02	40.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0260	EA	16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	246.89	53.06
26 27 16 00-0261	EA	18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	282.06	63.27
26 27 16 00-0262	EA	18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	379.15	81.63
26 27 16 00-0263	EA	24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	393.26	87.76
26 27 16 00-0264	EA	24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	455.92	93.89
26 27 16 00-0265	EA	24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure	517.27	102.05
26 27 16 00-0266		**8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0267	EA	12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	212.36	44.90
26 27 16 00-0268	EA	18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	303.18	69.39
26 27 16 00-0269	EA	18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	420.01	89.81
26 27 16 00-0270	EA	24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	504.28	104.08
26 27 16 00-0271	EA	24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	576.09	112.25
26 27 16 00-0272	EA	30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure	646.38	118.37
26 27 16 00-0273		**10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0274	EA	18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	462.43	100.00
26 27 16 00-0275	EA	24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	630.37	126.54
26 27 16 00-0276	EA	30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure	699.83	130.62
26 27 16 00-0277		**12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures** *(26 27 16 00-0238)*		
26 27 16 00-0278	EA	24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	697.40	138.78
26 27 16 00-0279	EA	30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,013.82	151.03
26 27 16 00-0280	EA	36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,048.78	155.11
26 27 16 00-0281	EA	36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure	1,244.80	163.28
26 27 16 00-0282		**NEMA 4 Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0283		**Hinge Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0284	EA	4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	107.08	14.29
26 27 16 00-0285	EA	6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure	124.60	17.35
26 27 16 00-0286	EA	8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure	155.57	22.45
26 27 16 00-0287	EA	6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	147.46	22.45
26 27 16 00-0288	EA	10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure	196.76	30.61
26 27 16 00-0289	EA	12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure	245.86	36.74
26 27 16 00-0290	EA	10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	226.73	34.69
26 27 16 00-0291	EA	12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	264.14	40.82
26 27 16 00-0292	EA	14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	311.37	46.94
26 27 16 00-0293	EA	16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure	376.25	59.19
26 27 16 00-0294		**Clamp Cover, Painted Steel NEMA 4 Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0295	EA	4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure	97.66	14.29
26 27 16 00-0296	EA	6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure	138.06	22.45
26 27 16 00-0297		**Screw Cover, Fiberglass NEMA 4 Or 4x Enclosures** *(26 27 16 00-0282)*		
26 27 16 00-0298	EA	6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	121.79	19.59
26 27 16 00-0299	EA	8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	129.17	21.23
26 27 16 00-0300	EA	10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	157.68	27.75
26 27 16 00-0301	EA	12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure	185.10	30.61
26 27 16 00-0302	EA	14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	240.07	38.78
26 27 16 00-0303	EA	16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure	280.43	45.92
26 27 16 00-0304	EA	18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure	390.17	73.47
26 27 16 00-0305		**NEMA 4X Enclosures, Lockable** *(26 27 16)*		
		Note: Water-tight enclosures.		
26 27 16 00-0306		**Clamp Cover, Aluminum NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0307	EA	6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure	219.53	16.32
26 27 16 00-0308	EA	6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	257.14	22.45
26 27 16 00-0309	EA	10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure	324.78	30.61
26 27 16 00-0310	EA	12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure	394.51	36.74
26 27 16 00-0311	EA	14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	485.52	46.94
26 27 16 00-0312	EA	16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure	571.37	59.19
26 27 16 00-0313		**Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures** *(26 27 16 00-0305)*		
26 27 16 00-0314	EA	4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	352.05	14.29
		For 316 Stainless Steel, Add	*50.61*	
26 27 16 00-0315	EA	6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	455.80	20.41
		For 316 Stainless Steel, Add	*64.76*	
26 27 16 00-0316	EA	6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	517.28	22.45
		For 316 Stainless Steel, Add	*73.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0317	EA	8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	593.40	24.49
		For 316 Stainless Steel, Add	*85.15*	
26 27 16 00-0318	EA	10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	728.18	30.61
		For 316 Stainless Steel, Add	*104.26*	
26 27 16 00-0319	EA	12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,029.13	38.78
		For 316 Stainless Steel, Add	*149.15*	
26 27 16 00-0320	EA	14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,284.58	46.94
		For 316 Stainless Steel, Add	*186.76*	
26 27 16 00-0321	EA	16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure	1,545.65	59.19
		For 316 Stainless Steel, Add	*223.63*	

26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0305)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0323	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	141.27	22.45
26 27 16 00-0324	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	159.82	24.49
26 27 16 00-0325	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	182.35	28.58
26 27 16 00-0326	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	198.65	30.61
26 27 16 00-0327	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	230.14	34.69
26 27 16 00-0328	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	214.45	34.69
26 27 16 00-0329	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	251.48	38.78
26 27 16 00-0330	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	316.77	46.94
26 27 16 00-0331	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	400.46	64.29
26 27 16 00-0332	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	506.13	92.55
26 27 16 00-0333	EA	6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	153.61	22.45
26 27 16 00-0334	EA	8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	174.39	24.49
26 27 16 00-0335	EA	8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	198.03	28.58
26 27 16 00-0336	EA	10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	217.69	30.61
26 27 16 00-0337	EA	12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	250.30	34.69
26 27 16 00-0338	EA	10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	233.51	34.69
26 27 16 00-0339	EA	12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	277.32	38.78
26 27 16 00-0340	EA	14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	330.22	46.94
26 27 16 00-0341	EA	16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	428.48	64.29
26 27 16 00-0342	EA	18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	536.37	92.55

26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures *(26 27 16 00-0305)*

Note: NEMA 3R, 4, 4X and 12 rated.

26 27 16 00-0344	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	176.01	22.45
26 27 16 00-0345	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	187.83	24.49
26 27 16 00-0346	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	212.59	28.58
26 27 16 00-0347	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	230.02	30.61
26 27 16 00-0348	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	273.84	34.69
26 27 16 00-0349	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	249.19	34.69
26 27 16 00-0350	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	309.80	38.78
26 27 16 00-0351	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	367.20	46.94
26 27 16 00-0352	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	444.17	64.29
26 27 16 00-0353	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover	563.26	92.55
26 27 16 00-0354	EA	6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	184.97	22.45
26 27 16 00-0355	EA	8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	204.63	24.49
26 27 16 00-0356	EA	8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	228.27	28.58
26 27 16 00-0357	EA	10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	246.82	30.61
26 27 16 00-0358	EA	12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	296.25	34.69
26 27 16 00-0359	EA	10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	268.23	34.69
26 27 16 00-0360	EA	12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	333.33	38.78
26 27 16 00-0361	EA	14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	378.40	46.94
26 27 16 00-0362	EA	16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	481.13	64.29
26 27 16 00-0363	EA	18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover	602.48	92.55

26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable *(26 27 16)*

Note: Nominal inside dimensions.

26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0366	EA	6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,513.99	114.80
		For Mounting Pan, Add	*67.99*	
26 27 16 00-0367	EA	6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	1,184.58	122.45
		For Mounting Pan, Add	*126.69*	
26 27 16 00-0368	EA	8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,389.97	137.76
		For Mounting Pan, Add	*174.69*	

26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0370	EA	8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,114.06	137.76
		For Mounting Pan, Add	*88.83*	
26 27 16 00-0371	EA	8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,782.15	141.59
		For Mounting Pan, Add	*174.69*	
26 27 16 00-0372	EA	8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,841.05	153.07
		For Mounting Pan, Add	*133.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0373	EA	10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	2,918.60	153.07
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0374	EA	10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,144.87	191.33
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0375	EA	12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,913.13	172.20
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0376	EA	12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,038.69	191.33
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,202.85	344.40
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,957.16	229.60
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,446.07	382.67
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,781.38	382.67
		For Mounting Pan, Add	*374.65*	

26 27 16 00-0381 8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,320.37	172.20
		For Mounting Pan, Add	*133.63*	
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,344.48	172.20
		For Mounting Pan, Add	*156.35*	
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,803.50	172.20
		For Mounting Pan, Add	*205.12*	
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,214.59	191.33
		For Mounting Pan, Add	*128.07*	
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,078.51	344.40
		For Mounting Pan, Add	*191.64*	
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,395.42	420.95
		For Mounting Pan, Add	*257.82*	
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,733.84	497.48
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,628.79	420.95
		For Mounting Pan, Add	*251.03*	
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,817.69	420.95
		For Mounting Pan, Add	*230.46*	
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,279.83	459.21
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,460.34	420.95
		For Mounting Pan, Add	*374.65*	
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,376.19	459.21
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,295.99	459.21
		For Mounting Pan, Add	*730.36*	
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	17,610.79	612.28
		For Mounting Pan, Add	*912.81*	
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,380.40	497.48
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	24,341.20	765.35
		For Mounting Pan, Add	*1,161.94*	

26 27 16 00-0398 10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,219.77	497.48
		For Mounting Pan, Add	*387.73*	
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,247.70	459.21
		For Mounting Pan, Add	*345.45*	
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,255.93	497.48
		For Mounting Pan, Add	*547.85*	
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	15,549.32	535.75
		For Mounting Pan, Add	*912.81*	
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	13,713.97	535.75
		For Mounting Pan, Add	*848.76*	
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	26,567.31	765.35
		For Mounting Pan, Add	*1,161.94*	

26 27 16 00-0405 12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures *(26 27 16 00-0364)*

26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,568.73	420.95
		For Mounting Pan, Add	*257.82*	

26 27 16 00-0407 Breaker Enclosures *(26 27 16)*

See CSI section 26 24 16 00-0001 for lighting and power panel boards.

26 27 16 00-0408 15 To 100 Amperes, F-Frame Breaker Enclosures *(26 27 16 00-0407)*

26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	376.80	81.63
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	728.16	81.63
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,841.17	112.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,511.18	122.45
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,814.12	122.45
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	602.99	112.25
26 27 16 00-0415		15 To 250 Amperes, H Or J-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	610.87	112.25
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,173.51	112.25
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,132.52	142.87
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	943.23	142.87
26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	931.39	224.50
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	2,318.81	224.50
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	6,980.57	285.73
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure	1,591.53	285.73
26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	1,829.95	428.60
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	3,296.37	428.60
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	12,540.73	551.05
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure	6,658.12	551.05
26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures *(26 27 16 00-0407)*		
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	2,280.72	428.60
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	4,009.24	428.60
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure	8,443.13	551.05
26 27 16 00-0434		Legend Plates *(26 27 16)*		
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters	19.70	5.10
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters	27.16	5.10
26 27 19		**Multi-Outlet Assemblies** *(26 27)*		
26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets *(26 27 19)* Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center	25.52	7.45
		For Concrete Or Masonry Surface, Add	*0.74*	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center	19.85	5.30
		For Concrete Or Masonry Surface, Add	*0.54*	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center	18.60	5.61
		For Concrete Or Masonry Surface, Add	*0.56*	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center	20.64	5.30
		For Concrete Or Masonry Surface, Add	*0.54*	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center	16.56	5.40
		For Concrete Or Masonry Surface, Add	*0.54*	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center	23.23	5.30
		For Concrete Or Masonry Surface, Add	*0.54*	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center	20.40	5.30
		For Concrete Or Masonry Surface, Add	*0.54*	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center	22.11	5.30
		For Concrete Or Masonry Surface, Add	*0.54*	
26 27 23		**Indoor Service Poles** *(26 27)*		
26 27 23 00-0001		Communication And Power Poles *(26 27 23)* Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.		
26 27 23 00-0002		Steel Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)*		
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	311.78	45.22
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	340.53	45.22
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	373.79	45.22
26 27 23 00-0008		Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles *(26 27 23 00-0003)* Note: Excludes receptacles, communication jacks and wiring.		
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle	63.81	9.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles	54.73	9.32
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	62.55	9.32
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices	45.21	9.32
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting	36.46	9.32
26 27 23 00-0014		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	410.39	45.22
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	472.20	45.22
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	505.55	45.22
26 27 23 00-0019		Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles *(26 27 23 00-0014)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA	Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle	41.34	9.32
26 27 23 00-0021	EA	Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle	36.73	9.32
26 27 23 00-0022	EA	Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices	40.03	9.32
26 27 23 00-0023		3" Width, Steel Communication And Power Poles *(26 27 23 00-0002)*		
26 27 23 00-0024		3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
26 27 23 00-0025	EA	3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole	541.36	45.22
26 27 23 00-0026	EA	3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole	615.76	45.22
26 27 23 00-0027	EA	3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole	664.79	45.22
26 27 23 00-0028		Additional Cover Plates For 3" Width, Steel Communication And Power Poles *(26 27 23 00-0023)*		
		Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA	Add-On 3" Width Steel Steel Cover Plate For One Single Receptacle	41.34	9.32
26 27 23 00-0030	EA	Add-On 3" Width Steel Cover Plate For One Duplex Receptacle	36.73	9.32
26 27 23 00-0031	EA	Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices	40.03	9.32
26 27 23 00-0032		Aluminum Communication And Power Poles *(26 27 23 00-0001)*		
26 27 23 00-0033		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0034		2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0035	EA	2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	429.74	45.22
26 27 23 00-0036	EA	2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	481.76	45.22
26 27 23 00-0037	EA	2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	540.06	45.22
26 27 23 00-0038		Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles *(26 27 23 00-0033)*		
26 27 23 00-0039	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle	65.58	9.32
26 27 23 00-0040	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles	67.05	9.32
26 27 23 00-0041	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle	71.94	9.32
26 27 23 00-0042	EA	Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices	47.95	9.32
26 27 23 00-0043	EA	Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting	36.46	9.32
26 27 23 00-0044		2-1/4" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0045	EA	2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	413.50	45.22
26 27 23 00-0046	EA	2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	466.85	45.22
26 27 23 00-0047	EA	2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	529.69	45.22
26 27 23 00-0048		5" Width, Aluminum Communication And Power Poles *(26 27 23 00-0032)*		
26 27 23 00-0049	EA	5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	888.66	45.22
26 27 23 00-0050	EA	5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,019.49	45.22
26 27 23 00-0051	EA	5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	1,166.02	45.22
26 27 23 00-0052		2" Diameter, Round Aluminum Communication And Power Pole *(26 27 23 00-0032)*		
26 27 23 00-0053	EA	2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole	473.12	45.22
26 27 23 00-0054	EA	2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole	446.76	45.22
26 27 23 00-0055	EA	2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole	578.34	45.22

26 27 26 Wiring Devices *(26 27)*

Note: Includes device, installation, wire connections, support clips (where necessary) and testing. Assemblies include outlet device, cover plate, mounting and appropriate box.

26 27 26 00-0001 Receptacles *(26 27 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0002		**General Use Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0003		**Receptacle Assemblies** *(26 27 26 00-0002)*		
		Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA	15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly	82.44	36.23
26 27 26 00-0005	EA	20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly	88.50	38.78
26 27 26 00-0006	EA	15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly	106.73	46.43
26 27 26 00-0007	EA	20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly	118.85	51.54
26 27 26 00-0008	EA	15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	95.39	36.23
26 27 26 00-0009	EA	20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly	102.14	38.78
26 27 26 00-0010		**Receptacle Components** *(26 27 26 00-0002)*		
26 27 26 00-0011	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle	23.94	10.21
26 27 26 00-0012	EA	15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle	23.19	10.21
26 27 26 00-0013	EA	15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle	27.64	10.21
26 27 26 00-0014	EA	15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle	30.22	10.21
26 27 26 00-0015	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle	38.60	12.75
26 27 26 00-0016	EA	15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle	47.06	12.75
26 27 26 00-0017	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle	24.94	10.21
26 27 26 00-0018	EA	20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle	24.14	10.21
26 27 26 00-0019	EA	20 Amperes, 120/277 Volt, Single Receptacle	35.76	10.21
26 27 26 00-0020	EA	20 Amperes, 120/277 Volt, Duplex Receptacle	29.41	10.21
26 27 26 00-0021	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle	38.60	12.75
26 27 26 00-0022	EA	20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle	47.06	12.75
26 27 26 00-0023	EA	20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle	74.20	12.75
26 27 26 00-0024	EA	20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle	74.20	12.75
26 27 26 00-0025	EA	25 Amperes, 120/277 Volt, Duplex Receptacle	61.88	15.31
26 27 26 00-0026		**Specialty Receptacles** *(26 27 26 00-0001)*		
26 27 26 00-0027		**Specialty Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0028	EA	30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle	54.91	17.86
26 27 26 00-0029	EA	30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle	54.91	17.86
26 27 26 00-0030	EA	30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles	78.80	17.86
26 27 26 00-0031	EA	30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle	84.40	17.86
26 27 26 00-0032	EA	30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle	89.51	20.41
26 27 26 00-0033	EA	50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle	82.47	20.41
26 27 26 00-0034	EA	50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle	80.49	20.41
26 27 26 00-0035	EA	50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle	70.27	20.41
26 27 26 00-0036	EA	50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle	95.99	20.41
26 27 26 00-0037	EA	50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle	100.33	20.41
26 27 26 00-0038	EA	50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle	105.43	22.96
26 27 26 00-0039	EA	60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle	115.93	25.51
26 27 26 00-0040	EA	60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle	126.14	30.61
26 27 26 00-0041	EA	100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete	1,202.04	239.81
26 27 26 00-0042	EA	400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete	2,979.83	293.38
26 27 26 00-0043	EA	30 Amperes, 230 Volt, Dryer Receptacle	65.65	20.41
26 27 26 00-0044	EA	60 Amperes, 230 Volt, Range Receptacle	96.01	30.61
26 27 26 00-0045	EA	15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle	62.48	12.75
26 27 26 00-0046	EA	Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete	1,253.67	310.71
26 27 26 00-0047		**Isolated Ground Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0048	EA	15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex Note: 2 Pole, 3 wire.	92.48	10.21
26 27 26 00-0049	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	52.85	12.75
26 27 26 00-0050	EA	20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex	52.65	12.75
26 27 26 00-0051	EA	30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex	72.84	20.41
26 27 26 00-0052	EA	Locking 15 Amperes, 250 Volt Isolated Ground Receptacles	59.36	12.75
26 27 26 00-0053	EA	Locking 15 Amperes, 277 Volt Isolated Ground Receptacles	54.29	12.75
26 27 26 00-0054	EA	Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles	75.24	15.31
26 27 26 00-0055	EA	Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles	59.46	15.31
26 27 26 00-0056	EA	Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles	77.11	15.31
26 27 26 00-0057	EA	Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles	94.32	15.31
26 27 26 00-0058	EA	Locking 30 Amperes, 277 Volt Isolated Ground Receptacles	92.39	20.41
26 27 26 00-0059		**Explosion Proof Receptacle Assembly** *(26 27 26 00-0026)*		
26 27 26 00-0060	EA	1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	974.02	25.51
26 27 26 00-0061	EA	3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly	894.69	28.06
26 27 26 00-0062	EA	3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,484.85	51.02
26 27 26 00-0063	EA	3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	1,878.41	51.02
26 27 26 00-0064	EA	1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,369.65	76.53
26 27 26 00-0065	EA	1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly	2,255.72	76.53
26 27 26 00-0066		**Ground Fault Circuit Interrupter (GFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0067	EA	15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	33.59	12.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0068	EA	20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle	47.98	15.31
26 27 26 00-0069	EA	15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	35.84	17.38
26 27 26 00-0070	EA	20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle	61.26	20.41
26 27 26 00-0071		**Arc Fault Circuit Interrupter (AFCI)** *(26 27 26 00-0026)*		
26 27 26 00-0072	EA	15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	61.84	12.75
26 27 26 00-0073	EA	20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle	68.11	12.75
26 27 26 00-0074		**Locking Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0075	EA	NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle	52.57	12.75
26 27 26 00-0076	EA	NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle	66.61	12.75
26 27 26 00-0077	EA	NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle	57.51	15.31
26 27 26 00-0078	EA	NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle	56.89	15.31
26 27 26 00-0079	EA	NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle	69.24	15.31
26 27 26 00-0080	EA	NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle	85.21	15.31
26 27 26 00-0081	EA	NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	83.44	15.31
26 27 26 00-0082	EA	NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle	71.77	15.31
26 27 26 00-0083	EA	NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle	79.87	20.41
26 27 26 00-0084	EA	NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking, Receptacle	81.36	20.41
26 27 26 00-0085	EA	NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle	99.36	20.41
26 27 26 00-0086		**Weathertight Pin And Sleeve Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0087	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W)	266.42	51.02
26 27 26 00-0088	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W)	265.74	51.02
26 27 26 00-0089	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W)	278.56	51.02
26 27 26 00-0090	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W)	343.13	56.13
26 27 26 00-0091	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W)	344.20	56.13
26 27 26 00-0092	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W)	341.73	56.13
26 27 26 00-0093	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W)	412.01	62.75
26 27 26 00-0094	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W)	391.16	62.75
26 27 26 00-0095	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W)	423.80	62.75
26 27 26 00-0096	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W)	425.12	68.88
26 27 26 00-0097	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W)	424.72	68.88
26 27 26 00-0098	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W)	427.67	68.88
26 27 26 00-0099	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W)	606.26	81.63
26 27 26 00-0100	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W)	581.01	81.63
26 27 26 00-0101	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W)	597.45	81.63
26 27 26 00-0102	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W)	665.38	90.82
26 27 26 00-0103	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W)	665.87	90.82
26 27 26 00-0104	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W)	666.35	90.82
26 27 26 00-0105	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W)	740.08	102.05
26 27 26 00-0106	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W)	772.45	102.05
26 27 26 00-0107	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W)	829.71	112.25
26 27 26 00-0108	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W)	827.28	112.25
26 27 26 00-0109	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W)	831.85	112.25
26 27 26 00-0110		**Corrosion Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0111	EA	15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles	65.56	10.21
26 27 26 00-0112	EA	15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles	132.20	12.75
26 27 26 00-0113		**Tamper Resistant Receptacle** *(26 27 26 00-0026)*		
26 27 26 00-0114	EA	15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour 3232-TR.	26.44	10.21
26 27 26 00-0115	EA	20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle Note: Pass & Seymour TR20.	29.54	10.21
26 27 26 00-0116	EA	15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5251.	38.45	10.21
26 27 26 00-0117	EA	20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour TR5351.	42.62	10.21
26 27 26 00-0118	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle Note: Pass & Seymour S1595-TR*CC8.	67.71	10.21
26 27 26 00-0119	EA	15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 1595-TRS.	73.70	10.21
26 27 26 00-0120	EA	20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle Note: Pass & Seymour 2095-TRS.	79.40	10.21
26 27 26 00-0121		**USB Charger/Duplex Tamper-Resistant Receptacles** *(26 27 26 00-0026)*		
26 27 26 00-0122	EA	15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	69.90	10.21
26 27 26 00-0123	EA	20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle	76.08	10.21
26 27 26 00-0124		**Television Receptacle** *(26 27 26 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0125	EA	TV Receptacle With Cover (Type F), Complete	66.35	23.67
26 27 26 00-0126		**Switches** *(26 27 26)*		
26 27 26 00-0127		**Switches** *(26 27 26 00-0126)*		
26 27 26 00-0128		**Switch Assemblies** *(26 27 26 00-0127)* Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0129	EA	1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	85.59	35.71
26 27 26 00-0130	EA	1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	92.18	38.78
26 27 26 00-0131	EA	2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	115.57	46.68
26 27 26 00-0132	EA	2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	126.71	51.79
26 27 26 00-0133	EA	3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	197.13	80.11
26 27 26 00-0134	EA	3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	213.85	87.76
26 27 26 00-0135	EA	4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly	227.52	90.57
26 27 26 00-0136	EA	4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly	249.80	100.77
26 27 26 00-0137		**Switch Components** *(26 27 26 00-0127)*		
26 27 26 00-0138	EA	15 Amperes, 120/277 Volt, SPST Switch	27.35	10.21
26 27 26 00-0139	EA	15 Amperes, 120/277 Volt, 3-Way Switch	34.63	12.75
26 27 26 00-0140	EA	15 Amperes, 120/277 Volt, 4-Way Switch	67.29	20.41
26 27 26 00-0141	EA	15 Amperes, 120/277 Volt, DPST Switch	31.39	10.21
26 27 26 00-0142	EA	15 Amperes, 120/277 Volt, Thermal Switch	60.02	12.75
26 27 26 00-0143	EA	20 Amperes, 120/277 Volt, SPST Switch	32.92	12.75
26 27 26 00-0144	EA	20 Amperes, 120/277 Volt, 3-Way Switch	40.74	15.31
26 27 26 00-0145	EA	20 Amperes, 120/277 Volt, 4-Way Switch	91.31	20.41
26 27 26 00-0146	EA	20 Amperes, 120/277 Volt, DPST Switch	39.39	12.75
26 27 26 00-0147	EA	20 Amperes, 120/277 Volt, DPDT Switch	42.26	12.75
26 27 26 00-0148	EA	15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch	86.80	12.78
26 27 26 00-0149	EA	15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch	110.42	12.78
26 27 26 00-0150	EA	Momentary Contact Switch With Separate Neon Pilot Note: Neon Pilot is 125 V, 1 / 125W.	82.60	15.34
26 27 26 00-0151	EA	20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off Note: Or 250 VAC 10 Amp, double throw BAT handle.	50.09	17.86
26 27 26 00-0152	EA	20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	61.77	20.41
26 27 26 00-0153	EA	20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	91.37	20.41
26 27 26 00-0154	EA	30 Amperes, 120/277 Volt, Single Pole, Local Switch	84.92	20.45
26 27 26 00-0155	EA	30 Amperes, 120/277 Volt, Double Pole, Local Switch	106.16	20.45
26 27 26 00-0156	EA	30 Amperes, 120/277 Volt, Three-Way Local Switch	109.72	25.56
26 27 26 00-0157	EA	30 Amperes, 120/277 Volt, Four-Way Local Switch	155.52	28.12
26 27 26 00-0158	EA	15 Amperes, 120/277 Volt, Local Switch With Neon Pilot	68.33	16.72
26 27 26 00-0159	EA	15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	100.69	16.72
26 27 26 00-0160	EA	15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch	86.74	16.72
26 27 26 00-0161	EA	15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch	81.94	16.72
26 27 26 00-0162	EA	6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch	96.98	8.28
26 27 26 00-0163	EA	6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch	103.49	8.28
26 27 26 00-0164	EA	15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch	105.92	31.90
26 27 26 00-0165	EA	Three Position, Center Off, Key Operated, Momentary Contact Switch Note: 15A, 120/277 V, Single Pole	129.54	31.90
26 27 26 00-0166	EA	Single Pole, Slide Dimmer (Leviton IP710-LFZ)	159.79	10.23
26 27 26 00-0167	EA	8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH)	84.03	10.23
26 27 26 00-0168	EA	120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH)	274.38	10.21
26 27 26 00-0169	EA	120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH)	47.40	10.21
26 27 26 00-0170	EA	1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV)	89.91	10.23
26 27 26 00-0171	EA	1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000)	103.99	10.23
26 27 26 00-0172	EA	2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000)	134.69	10.23
26 27 26 00-0173	EA	Wireless Single Rocker Remote Switch (Leviton WSS0S-S9)	164.72	10.23
26 27 26 00-0174		**Specialty Switches** *(26 27 26 00-0126)*		
26 27 26 00-0175		**Dimmers With SPST Switch** *(26 27 26 00-0174)*		
26 27 26 00-0176	EA	600 Watt Dimmers With SPST Switch	60.93	22.96
26 27 26 00-0177	EA	1,000 Watt Dimmers With SPST Switch	107.76	22.96
26 27 26 00-0178	EA	1,500 Watt Dimmers With SPST Switch	194.84	36.94
26 27 26 00-0179	EA	2,000 Watt Dimmers With SPST Switch	254.60	36.94
26 27 26 00-0180	EA	600 Watt Fluorescent Dimmer Switch	140.59	27.24
26 27 26 00-0181	EA	1,000 Watt Fluorescent Dimmer Switch	192.01	27.24
26 27 26 00-0182	EA	1,500 Watt Fluorescent Dimmer Switch	348.99	41.13
26 27 26 00-0183	EA	Remote Speed Switch For Paddle Fan	101.05	33.98
26 27 26 00-0184	EA	600 Watt Combination Remote Speed Switch/Incandescent Dimmer	167.62	50.71
26 27 26 00-0185		**Time Switches** *(26 27 26 00-0174)*		
26 27 26 00-0186	EA	40 Amperes, 125 Volt, SPST, Standard Time Switch	115.33	30.61
26 27 26 00-0187	EA	40 Amperes, 277 Volt, SPST, Standard Time Switch	118.03	30.61
26 27 26 00-0188	EA	40 Amperes, 125 Volt, DPST, Standard Time Switch	115.33	30.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0189	EA	40 Amperes, 277 Volt, DPST, Standard Time Switch	118.03	30.61
26 27 26 00-0190	EA	40 Amperes, 125 Volt, SPST, 7-Day Time Switch	133.36	30.61
26 27 26 00-0191	EA	40 Amperes, 277 Volt, SPST, 7-Day Time Switch	133.36	30.61
26 27 26 00-0192	EA	40 Amperes, 125 Volt, DPDT, 7-Day Time Switch	239.75	30.61
26 27 26 00-0193	EA	40 Amperes, 277 Volt, DPDT, 7-Day Time Switch	239.75	30.61
26 27 26 00-0194	EA	20 Amperes, 125 Volt, SPST, Programmable Time Switch	205.61	30.61
26 27 26 00-0195	EA	20 Amperes, 277 Volt, SPST, Programmable Time Switch	226.46	30.61
26 27 26 00-0196	EA	20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch	226.46	30.61
26 27 26 00-0197	EA	40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch	275.72	30.61
26 27 26 00-0198	EA	40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch	284.01	30.61
26 27 26 00-0199	EA	40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch	115.33	30.61
26 27 26 00-0200	EA	40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch	118.03	30.61
26 27 26 00-0201	EA	40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch	115.33	30.61
26 27 26 00-0202	EA	40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch	118.03	30.61
26 27 26 00-0203	EA	40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch	133.36	30.61
26 27 26 00-0204	EA	40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch	133.36	30.61
26 27 26 00-0205	EA	40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch	239.75	30.61
26 27 26 00-0206	EA	40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch	239.75	30.61
26 27 26 00-0207	EA	40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch	275.72	30.61
26 27 26 00-0208	EA	40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch	284.01	30.61
26 27 26 00-0209		**Low Voltage Switching** *(26 27 26 00-0174)*		
26 27 26 00-0210	EA	36 Pin Male Or Female Connector	195.30	10.21
26 27 26 00-0211		**Other Switches** *(26 27 26 00-0174)*		
26 27 26 00-0212	EA	Pull Chain Switch 120/277 Volt AC Installed In Light Fixture	33.97	15.31
26 27 26 00-0213	EA	SPST Locking Switch For Concealed Devices	104.88	40.82
26 27 26 00-0214	EA	3-Way Locking Switch For Concealed Devices	106.33	40.82
26 27 26 00-0215	EA	Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard	117.54	38.17
26 27 26 00-0216	EA	15 Amperes Momentary Contact Switch	111.63	38.17
26 27 26 00-0217	EA	20 Amperes Momentary Contact Switch	117.85	38.17
26 27 26 00-0218	EA	2-1/4" Handy Box Cover Units Fuseholder Switch	109.36	46.01
26 27 26 00-0219	EA	2-3/4" Handy Box Cover Units Fuseholder Switch	111.10	46.01
26 27 26 00-0220	EA	4" Square Box Cover Units With 2 Fuseholders And 2 Switches	136.75	56.24
26 27 26 00-0221	EA	4" Square Box Cover Units With 1 Fuseholder And 1 Switch	124.37	51.12
26 27 26 00-0222	EA	4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch	124.80	51.12
26 27 26 00-0223		**Plates And Covers** *(26 27 26)*		
26 27 26 00-0224		**Wall Plates** *(26 27 26 00-0223)*		
26 27 26 00-0225		**Nylon Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0226	EA	1 Gang Nylon Switch Wall Plates	1.79	0.51
26 27 26 00-0227	EA	2 Gang Nylon Switch Wall Plates	3.09	0.76
26 27 26 00-0228	EA	3 Gang Nylon Switch Wall Plates	4.43	1.02
26 27 26 00-0229	EA	4 Gang Nylon Switch Wall Plate	6.48	1.28
26 27 26 00-0230	EA	1 Gang Duplex Nylon Wall Plate	1.81	0.51
26 27 26 00-0231	EA	2 Gang Duplex Nylon Wall Plate	3.18	0.76
26 27 26 00-0232		**Plastic Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0233	EA	1 Gang Plastic Switch Wall Plates	1.64	0.51
26 27 26 00-0234	EA	2 Gang Plastic Switch Wall Plates	2.78	0.76
26 27 26 00-0235	EA	3 Gang Plastic Switch Wall Plates	3.93	1.02
26 27 26 00-0236	EA	4 Gang Plastic Switch Wall Plates	6.48	1.28
26 27 26 00-0237	EA	1 Gang Duplex Plastic Wall Plate	1.64	0.51
26 27 26 00-0238	EA	2 Gang Duplex Plastic Wall Plate	2.79	0.76
26 27 26 00-0239		**Brass Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0240	EA	1 Gang, 0.04" Brass Switch Wall Plates	19.17	2.30
26 27 26 00-0241	EA	2 Gang, 0.04" Brass Switch Wall Plates	36.93	2.66
26 27 26 00-0242	EA	3 Gang, 0.04" Brass Switch Wall Plates	54.60	2.96
26 27 26 00-0243	EA	4 Gang, 0.04" Brass Switch Wall Plates	85.79	3.22
26 27 26 00-0244	EA	5 Gang, 0.04" Brass Switch Wall Plates	104.80	3.43
26 27 26 00-0245	EA	6 Gang, 0.04" Brass Switch Wall Plates	121.53	3.58
26 27 26 00-0246	EA	1 Gang, 0.04" Brass Duplex Receptacle Wall Plate	19.17	2.30
26 27 26 00-0247	EA	2 Gang, 0.04" Brass Duplex Receptacle Wall Plate	43.56	2.66
26 27 26 00-0248	EA	3 Gang 0.04" Brass Duplex Receptacle Wall Plate	63.34	2.96
26 27 26 00-0249		**Stainless Steel Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0250	EA	1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	9.59	2.30
26 27 26 00-0251	EA	2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	16.00	2.66
26 27 26 00-0252	EA	3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	22.82	2.96
26 27 26 00-0253	EA	4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	34.18	3.22
26 27 26 00-0254	EA	5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	40.48	3.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0255	EA	6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates	49.31	3.58
26 27 26 00-0256	EA	1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	10.64	2.30
26 27 26 00-0257	EA	2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	18.48	2.66
26 27 26 00-0258	EA	3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	31.04	2.96
26 27 26 00-0259	EA	4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate	37.75	3.22
26 27 26 00-0260		**Chrome Wall Plates** *(26 27 26 00-0224)*		
26 27 26 00-0261	EA	1 Gang, 0.040" Chrome Switch Wall Plate	39.78	2.30
26 27 26 00-0262	EA	2 Gang 0.040" Chrome Switch Wall Plate	75.55	2.66
26 27 26 00-0263	EA	3 Gang 0.040" Chrome Switch Wall Plate	111.32	2.96
26 27 26 00-0264	EA	1 Gang 0.040" Chrome Duplex Receptacle Wall Plate	39.75	2.30
26 27 26 00-0265		**Weatherproof Covers** *(26 27 26 00-0223)*		
26 27 26 00-0266		**Stamped Metallic Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0267	EA	Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC)	13.61	0.51
26 27 26 00-0268	EA	Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC)	14.77	0.51
26 27 26 00-0269	EA	Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC)	14.77	0.51
26 27 26 00-0270	EA	Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC)	14.77	0.51
26 27 26 00-0271	EA	Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC)	18.03	0.76
26 27 26 00-0272	EA	Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC)	20.54	0.76
26 27 26 00-0273	EA	Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC)	20.80	0.76
26 27 26 00-0274	EA	Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC)	20.80	0.76
26 27 26 00-0275	EA	Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC)	28.47	0.76
26 27 26 00-0276	EA	Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB)	26.75	1.02
26 27 26 00-0277	EA	Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT)	29.32	1.02
26 27 26 00-0278		**Cast Metallic Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0279	EA	Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC)	16.74	0.51
26 27 26 00-0280	EA	Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA)	54.27	0.51
26 27 26 00-0281	EA	Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR)	60.90	0.51
26 27 26 00-0282	EA	Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG)	16.61	0.51
26 27 26 00-0283	EA	Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT)	45.95	0.51
26 27 26 00-0284	EA	Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT)	76.68	0.51
26 27 26 00-0285	EA	Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST)	97.72	0.51
26 27 26 00-0286	EA	Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC)	20.80	0.76
26 27 26 00-0287	EA	Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST)	154.41	0.76
26 27 26 00-0288	EA	Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC)	34.99	1.02
26 27 26 00-0289	EA	Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST)	147.30	1.02
26 27 26 00-0290		**Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0291	EA	Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027)	5.42	0.51
26 27 26 00-0292	EA	Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026)	7.03	0.51
26 27 26 00-0293	EA	Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032)	9.40	0.76
26 27 26 00-0294	EA	Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041)	10.23	0.76
26 27 26 00-0295	EA	Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042)	10.23	0.76
26 27 26 00-0296	EA	Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043)	11.44	0.76
26 27 26 00-0297		**Heavy-Duty Die Cast Aluminum Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes baked on lacquer finish and neoprene gasket.		
26 27 26 00-0298	EA	Duplex Receptacle, Single Gang, Heavy-Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510)	57.81	0.51
26 27 26 00-0299		**Polycarbonate Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0300	EA	Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.43	0.51
26 27 26 00-0301	EA	Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.43	0.51
26 27 26 00-0302	EA	Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730)	11.43	0.51
26 27 26 00-0303	EA	Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.07	0.76
26 27 26 00-0304	EA	Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775)	14.07	0.76
26 27 26 00-0305		**High Impact Thermoplastic Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes neoprene gasket.		
26 27 26 00-0306	EA	Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522)	94.63	0.51
26 27 26 00-0307		**Non-Metallic (PVC) Weatherproof Covers** *(26 27 26 00-0265)*		
		Note: Includes neoprene gasket.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0308	EA	Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.62	0.51
26 27 26 00-0309	EA	Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover	14.50	0.76
26 27 26 00-0310	EA	Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	13.66	0.51
26 27 26 00-0311	EA	Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	30.46	0.51
26 27 26 00-0312	EA	Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	35.35	0.51
26 27 26 00-0313	EA	20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	28.60	0.51
26 27 26 00-0314	EA	30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	21.24	0.51
26 27 26 00-0315	EA	50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover	24.91	0.51
26 27 26 00-0316	EA	Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover	22.24	0.51
26 27 26 00-0317	EA	Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover	32.01	0.76
26 27 26 00-0318		Removal And Reinstallation Of Wiring Devices *(26 27 26)*		
		Note: Includes storage and cleaning.		
26 27 26 00-0319	EA	Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device	67.14	
26 27 26 00-0320	EA	Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate	8.50	
26 27 26 00-0321		In Line Midget Fuseholders *(26 27 26)*		
		See CSI section 26 28 13 00-0078 for fuses.		
26 27 26 00-0322	EA	Single Pole Water Resistant In Line Midget Fuseholder	83.42	
26 27 26 00-0323	EA	Double Pole Water Resistant In Line Midget Fuseholder	208.10	
26 27 26 00-0324		Relay Systems *(26 27 26)*		
26 27 26 00-0325	EA	10 Amperes, 24 Volt Coil, 2 Position Relay	84.69	22.96
26 27 26 00-0326	EA	20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay	380.65	76.53
26 27 26 00-0327	EA	20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay	659.59	102.05
26 27 26 00-0328		Limit Switches *(26 27 26)*		
26 27 26 00-0329		Heavy-Duty Precision Oiltight *(26 27 26 00-0328)*		
26 27 26 00-0330		Lever Arm, Plunger, Wobble Stick Type *(26 27 26 00-0329)*		
26 27 26 00-0331	EA	Limit Switch, Heavy-Duty, Lever Arm Weatherproof, 10 Amperes Rated	436.32	64.29
26 27 33		**Power Distribution Units** *(26 27)*		
		Note: Includes wiring connections and testing.		
26 27 33 00-0001		Liebert Precision Power Center *(26 27 33)*		
		Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
26 27 33 00-0002	EA	PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C)	21,800.98	313.79
26 27 33 00-0003	EA	PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C)	26,346.88	340.12
26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,032.44	377.57
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,570.55	408.18
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	37,684.48	510.23
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,253.35	612.28
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	48,747.83	714.33
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,219.90	816.37
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,077.07	918.42
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,890.10	102.05
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,839.75	127.55
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,485.28	153.07
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit	1,632.75	
		Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.		
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,224.56	
26 27 73		**Door Chimes** *(26 27)*		
26 27 73 00-0001		Door Bell Chime And Door Button With Built-In Viewer *(26 27 73)*		
		Note: Non-electric chime, mounted on door		
26 27 73 00-0002	EA	Mechanical Door Bell Chime And Door Button With Built-In Viewer (Newhouse Hardware MCHBV)	91.42	20.02
26 27 73 00-0003		Wireless Door Bell System *(26 27 73)*		
26 27 73 00-0004	EA	Wireless Doorbell Chime And Push Button (Broan LA542WH)	133.83	
		Note: Includes 2 push buttons		
26 27 73 00-0005	EA	Wireless Doorbell Chime And Push Button (STI-3350G)	125.28	
		Note: Includes 2 push buttons		
26 27 73 00-0006	EA	Wireless Doorbell Chime And Push Button (GE 19300)	90.34	
		Note: Includes 2 push buttons		
26 27 73 00-0007		Door Bell Buzzer System, Wired *(26 27 73)*		
26 27 73 00-0008	EA	Door Bell, Push-Button And Transformer, Complete	571.34	212.56
26 27 73 00-0009	EA	Visual Flashing Doorbell Indicator, Wire To Existing System, Complete	239.26	51.02
26 27 73 00-0010	EA	Removal And Replacement Of Bell/Buzzer, Complete	96.10	25.51
		Note: Includes removal of existing.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 28 Low-Voltage Circuit Protective Devices *(26 20)*

26 28 13 Fuses *(26 28)*

26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses *(26 28 13)*

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	27.43	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	26.54	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.34	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	25.17	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	26.29	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	24.10	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	23.58	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.29	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	18.65	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.88	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse	19.02	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	

26 28 13 00-0013 Class RK1, Time Delay Fuses *(26 28 13)*

26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	48.49	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.61	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	47.32	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	46.96	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	44.26	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	42.64	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.36	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.03	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	38.38	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	37.94	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	56.19	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	54.90	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.87	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	55.07	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	53.90	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	

26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	106.43	9.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	105.79	9.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	118.89	9.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0034	EA	100 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	104.76	9.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0035	EA	110 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	320.41	9.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0036	EA	125 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	231.12	9.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0037	EA	150 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	210.13	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 28 13 00-0038	EA	200 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	222.03	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0039	EA	250 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	427.48	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 28 13 00-0040	EA	300 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	457.94	12.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 28 13 00-0041	EA	350 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	493.52	12.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 28 13 00-0042	EA	400 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	376.79	12.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 28 13 00-0043	EA	450 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	858.33	12.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 28 13 00-0044	EA	500 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	807.96	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0045	EA	600 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse	625.98	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	

26 28 13 00-0046 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0047	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	80.40	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0048	EA	2 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	74.23	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0049	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	69.06	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0050	EA	4 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	70.76	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0051	EA	5 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	69.29	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0052	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	69.82	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0053	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	64.18	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0054	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	63.62	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0055	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	62.86	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0056	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	63.97	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0057	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	97.44	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0058	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	97.70	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0059	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	95.59	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0060	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	96.59	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0061	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse	97.47	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	

26 28 13 00-0062 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuses *(26 28 13 00-0013)*

26 28 13 00-0063	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	189.02	9.18
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0064	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	192.74	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 28 13 00-0065	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	191.62	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 28 13 00-0066	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	192.50	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 28 13 00-0067	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	363.93	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 28 13 00-0068	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	369.63	10.11
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.74*	
26 28 13 00-0069	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	361.72	12.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 28 13 00-0070	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	360.78	12.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 28 13 00-0071	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	702.44	12.45
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*8.27*	
26 28 13 00-0072	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	703.28	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0073	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	795.56	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0074	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	718.97	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0075	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,306.98	15.20
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.10*	
26 28 13 00-0076	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,158.02	18.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0077	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse	1,006.98	18.37
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0078		**600 Volt AC, Class CC Midget Fuses** *(26 28 13)* Note: 250/300 Volt DC.		
26 28 13 00-0079	EA	1 Amperes, 600 Volt AC, Class CC Midget Fuse	57.31	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0080	EA	2 Amperes, 600 Volt AC, Class CC Midget Fuse	58.33	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0081	EA	3 Amperes, 600 Volt AC, Class CC Midget Fuse	58.04	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0082	EA	5 Amperes, 600 Volt AC, Class CC Midget Fuse	57.72	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0083	EA	6 Amperes, 600 Volt AC, Class CC Midget Fuse	62.56	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0084	EA	8 Amperes, 600 Volt AC, Class CC Midget Fuse	54.81	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0085	EA	10 Amperes, 600 Volt AC, Class CC Midget Fuse	63.92	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0086	EA	15 Amperes, 600 Volt AC, Class CC Midget Fuse	57.75	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0087	EA	20 Amperes, 600 Volt AC, Class CC Midget Fuse	56.48	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0088	EA	25 Amperes, 600 Volt AC, Class CC Midget Fuse	53.57	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0089	EA	30 Amperes, 600 Volt AC, Class CC Midget Fuse	56.04	7.35
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.90*	
26 28 13 00-0090		**200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse** *(26 28 13)*		
26 28 13 00-0091	EA	1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	80.52	5.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 28 13 00-0092	EA	3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	81.19	5.10
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.06*	
26 28 13 00-0093	EA	6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	67.92	6.13
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*3.67*	
26 28 13 00-0094	EA	10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	65.58	7.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 28 13 00-0095	EA	15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	67.20	7.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 28 13 00-0096	EA	20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	65.76	7.65
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*4.59*	
26 28 13 00-0097	EA	25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	83.20	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0098	EA	30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	67.07	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0099	EA	35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	127.27	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0100	EA	40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	106.52	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0101	EA	45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	124.09	10.21
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*6.12*	
26 28 13 00-0102	EA	50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	105.35	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.66*	
26 28 13 00-0103	EA	60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	103.11	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.66*	
26 28 13 00-0104	EA	70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	165.97	15.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.19*	
26 28 13 00-0105	EA	80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	178.28	15.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.19*	
26 28 13 00-0106	EA	90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	175.14	15.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.19*	
26 28 13 00-0107	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	147.60	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.72*	
26 28 13 00-0108	EA	110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	377.20	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.72*	
26 28 13 00-0109	EA	125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	317.03	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.72*	
26 28 13 00-0110	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	297.84	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0111	EA	175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	302.63	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0112	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	246.66	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0113	EA	225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	665.23	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0114	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	613.00	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0115	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	562.73	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0116	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	616.23	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0117	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	500.66	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0118	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	1,097.58	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0119	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	923.64	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 13 00-0120	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse	678.40	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 13 00-0121		600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses *(26 28 13)*		
26 28 13 00-0122	EA	100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,141.16	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 28 13 00-0123	EA	150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,145.42	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 28 13 00-0124	EA	200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,149.39	12.75
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*7.65*	
26 28 13 00-0125	EA	250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,139.24	15.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 28 13 00-0126	EA	300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,968.69	15.31
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*9.18*	
26 28 13 00-0127	EA	350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,104.68	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 28 13 00-0128	EA	400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,935.36	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 28 13 00-0129	EA	450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,167.23	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 28 13 00-0130	EA	500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,124.51	17.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*10.71*	
26 28 13 00-0131	EA	600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,884.03	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0132	EA	601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,935.42	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0133	EA	650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,581.31	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0134	EA	700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,874.72	20.41
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 13 00-0135	EA	750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,888.91	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0136	EA	800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,652.21	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0137	EA	900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,425.46	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0138	EA	1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,623.95	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0139	EA	1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	1,673.10	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0140	EA	1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,753.21	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0141	EA	1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,700.09	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0142	EA	1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,335.63	22.96
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*13.78*	
26 28 13 00-0143	EA	1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,070.60	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 13 00-0144	EA	1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,422.50	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 13 00-0145	EA	2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	2,820.26	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 13 00-0146	EA	2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	3,823.29	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 13 00-0147	EA	2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	6,534.57	25.51
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 13 00-0148	EA	3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	4,262.61	28.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	
26 28 13 00-0149	EA	3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	8,850.68	28.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	
26 28 13 00-0150	EA	3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	10,275.20	28.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	
26 28 13 00-0151	EA	4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	5,927.46	28.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	
26 28 13 00-0152	EA	5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	9,373.73	28.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	
26 28 13 00-0153	EA	6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse	15,539.10	28.06
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*16.84*	

26 28 16 Enclosed Switches and Circuit Breakers *(26 28)*

26 28 16 13 Enclosed Circuit Breakers *(26 28 16)*

26 28 16 13-0001 Branch Circuit Breakers *(26 28 16 13)*
Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*
Note: Includes connection of electrical wire.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0003	EA	1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	53.19	18.37
		For Bolt-On, Add	*13.79*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	53.19	18.37
		For Bolt-On, Add	*13.79*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	79.57	22.96
		For Bolt-On, Add	*18.87*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	128.65	22.96
		For Bolt-On, Add	*25.01*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	184.77	22.96
		For Bolt-On, Add	*32.02*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	216.77	22.96
		For Bolt-On, Add	*36.02*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	97.73	22.96
		For Bolt-On, Add	*21.14*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	89.78	27.55
		For Bolt-On, Add	*21.94*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	89.78	27.55
		For Bolt-On, Add	*21.94*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	138.73	36.74
		For Bolt-On, Add	*31.63*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	240.05	45.92
		For Bolt-On, Add	*47.87*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	285.45	51.02
		For Bolt-On, Add	*55.33*	
		For Installation In New Panelboard, Deduct	*-28.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.68*	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	248.78	32.66
		For Bolt-On, Add	*43.95*	
		For Installation In New Panelboard, Deduct	*-18.37*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.04*	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	340.58	32.66
		For Bolt-On, Add	*55.43*	
		For Installation In New Panelboard, Deduct	*-18.37*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*22.04*	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	181.55	36.74
		For Bolt-On, Add	*36.98*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	181.55	36.74
		For Bolt-On, Add	*36.98*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	239.51	45.92
		For Bolt-On, Add	*47.80*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	372.18	55.10
		For Bolt-On, Add	*67.95*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 28 16 13-0021	EA	3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	478.97	64.29
		For Bolt-On, Add	*84.87*	
		For Installation In New Panelboard, Deduct	*-35.72*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.86*	
26 28 16 13-0022		**Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On** *(26 28 16 13-0001)*		
		Note: Includes connection of electrical wire.		
26 28 16 13-0023	EA	1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	82.27	18.37
		For Bolt-On, Add	*17.43*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0024	EA	1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	82.27	18.37
		For Bolt-On, Add	*17.43*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0025	EA	1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	153.90	22.96
		For Bolt-On, Add	*28.17*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0026	EA	1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	248.27	22.96
		For Bolt-On, Add	*39.96*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0027	EA	2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	166.34	27.55
		For Bolt-On, Add	*31.51*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0028	EA	2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	166.34	27.55
		For Bolt-On, Add	*31.51*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0029	EA	2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	339.87	36.74
		For Bolt-On, Add	*56.77*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0030	EA	2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	465.94	45.92
		For Bolt-On, Add	*76.10*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0031	EA	2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	696.60	51.02
		For Bolt-On, Add	*106.72*	
		For Installation In New Panelboard, Deduct	*-28.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.68*	
26 28 16 13-0032	EA	3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	270.38	36.74
		For Bolt-On, Add	*48.08*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0033	EA	3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	270.38	36.74
		For Bolt-On, Add	*48.08*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0034	EA	3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	410.70	45.92
		For Bolt-On, Add	*69.20*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0035	EA	3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	591.47	55.10
		For Bolt-On, Add	*95.36*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0036	EA	3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	930.64	64.29
		For Bolt-On, Add	*141.33*	
		For Installation In New Panelboard, Deduct	*-35.72*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*42.86*	
26 28 16 13-0037	EA	3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,077.68	68.88
		For Bolt-On, Add	*161.50*	
		For Installation In New Panelboard, Deduct	*-38.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.92*	
26 28 16 13-0038	EA	3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,158.16	73.47
		For Bolt-On, Add	*173.34*	
		For Installation In New Panelboard, Deduct	*-40.82*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*48.98*	
26 28 16 13-0039	EA	3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity	1,376.70	78.06
		For Bolt-On, Add	*202.45*	
		For Installation In New Panelboard, Deduct	*-43.37*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*52.04*	

26 28 16 13-0040 Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0041	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	101.38	18.37
		For Bolt-On, Add	*19.82*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0042	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	101.38	18.37
		For Bolt-On, Add	*19.82*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0043	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	172.78	22.96
		For Bolt-On, Add	*30.53*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0044	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	216.14	27.55
		For Bolt-On, Add	*37.73*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0045	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	216.14	27.55
		For Bolt-On, Add	*37.73*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0046	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	387.63	36.74
		For Bolt-On, Add	*62.74*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0047	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,028.98	45.92
		For Bolt-On, Add	*146.48*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0048	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	352.57	36.74
		For Bolt-On, Add	*58.36*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0049	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	352.57	36.74
		For Bolt-On, Add	*58.36*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0050	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	470.53	45.92
		For Bolt-On, Add	*76.68*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0051	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity	1,275.06	55.10
		For Bolt-On, Add	*180.81*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	

26 28 16 13-0052 Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0053	EA	15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	117.61	18.37
		For Bolt-On, Add	*21.84*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0054	EA	35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	117.61	18.37
		For Bolt-On, Add	*21.84*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0055	EA	70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	137.67	22.96
		For Bolt-On, Add	*26.14*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0056	EA	15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	246.10	22.96
		For Bolt-On, Add	*39.69*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0057	EA	15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	258.48	27.55
		For Bolt-On, Add	*43.03*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0058	EA	35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	258.48	27.55
		For Bolt-On, Add	*43.03*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0059	EA	70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	310.93	36.74
		For Bolt-On, Add	*53.15*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0060	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	453.58	45.92
		For Bolt-On, Add	*74.56*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0061	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	593.40	51.02
		For Bolt-On, Add	*93.82*	
		For Installation In New Panelboard, Deduct	*-28.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.68*	
26 28 16 13-0062	EA	250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	743.43	59.70
		For Bolt-On, Add	*116.14*	
		For Installation In New Panelboard, Deduct	*-33.17*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.80*	
26 28 16 13-0063	EA	300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	798.71	68.88
		For Bolt-On, Add	*126.63*	
		For Installation In New Panelboard, Deduct	*-38.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.92*	
26 28 16 13-0064	EA	15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	311.64	36.74
		For Bolt-On, Add	*53.24*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0065	EA	35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	311.64	36.74
		For Bolt-On, Add	*53.24*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0066	EA	70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	363.41	45.92
		For Bolt-On, Add	*63.29*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0067	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	563.44	55.10
		For Bolt-On, Add	*91.86*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 28 16 13-0068	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	740.41	71.43
		For Bolt-On, Add	*120.23*	
		For Installation In New Panelboard, Deduct	*-39.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.45*	
26 28 16 13-0069	EA	250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	918.79	82.66
		For Bolt-On, Add	*146.99*	
		For Installation In New Panelboard, Deduct	*-45.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0070	EA	300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity	977.60	87.76
		For Bolt-On, Add	*156.13*	
		For Installation In New Panelboard, Deduct	*-48.47*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.17*	

26 28 16 13-0071 Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0072	EA	15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	269.05	27.55
		For Bolt-On, Add	*44.35*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0073	EA	35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	269.05	27.55
		For Bolt-On, Add	*44.35*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0074	EA	70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	413.18	36.74
		For Bolt-On, Add	*65.93*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0075	EA	110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	682.07	45.92
		For Bolt-On, Add	*103.12*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0076	EA	150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,073.67	57.15
		For Bolt-On, Add	*156.53*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 28 16 13-0077	EA	250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,221.29	59.70
		For Bolt-On, Add	*175.88*	
		For Installation In New Panelboard, Deduct	*-33.17*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.80*	
26 28 16 13-0078	EA	300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,331.59	68.88
		For Bolt-On, Add	*193.24*	
		For Installation In New Panelboard, Deduct	*-38.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.92*	
26 28 16 13-0079	EA	15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	388.92	36.74
		For Bolt-On, Add	*62.90*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0080	EA	35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	388.92	36.74
		For Bolt-On, Add	*62.90*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0081	EA	70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	490.20	45.92
		For Bolt-On, Add	*79.13*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0082	EA	110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	850.09	55.10
		For Bolt-On, Add	*127.69*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 28 16 13-0083	EA	150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,249.86	71.43
		For Bolt-On, Add	*183.91*	
		For Installation In New Panelboard, Deduct	*-39.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.45*	
26 28 16 13-0084	EA	250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,477.47	82.66
		For Bolt-On, Add	*216.83*	
		For Installation In New Panelboard, Deduct	*-45.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 28 16 13-0085	EA	300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity	1,600.23	87.76
		For Bolt-On, Add	*233.96*	
		For Installation In New Panelboard, Deduct	*-48.47*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.17*	

26 28 16 13-0086 Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0087	EA	2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	279.57	27.55
		For Bolt-On, Add	*45.66*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0088	EA	2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	279.57	27.55
		For Bolt-On, Add	*45.66*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0089	EA	2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	510.21	36.74
		For Bolt-On, Add	*78.06*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0090	EA	2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	951.13	45.92
		For Bolt-On, Add	*136.75*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0091	EA	2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,518.43	57.15
		For Bolt-On, Add	*212.13*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 28 16 13-0092	EA	2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,732.82	59.70
		For Bolt-On, Add	*239.82*	
		For Installation In New Panelboard, Deduct	*-33.17*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*39.80*	
26 28 16 13-0093	EA	2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	1,883.58	68.88
		For Bolt-On, Add	*262.23*	
		For Installation In New Panelboard, Deduct	*-38.27*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*45.92*	
26 28 16 13-0094	EA	3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	461.70	36.74
		For Bolt-On, Add	*72.00*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0095	EA	3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	461.70	36.74
		For Bolt-On, Add	*72.00*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0096	EA	3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperees Interrupting Capacity	616.35	45.92
		For Bolt-On, Add	*94.90*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0097	EA	3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,157.52	55.10
		For Bolt-On, Add	*166.12*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 28 16 13-0098	EA	3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	1,461.20	71.43
		For Bolt-On, Add	*210.33*	
		For Installation In New Panelboard, Deduct	*-39.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.45*	
26 28 16 13-0099	EA	3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,355.73	82.66
		For Bolt-On, Add	*326.61*	
		For Installation In New Panelboard, Deduct	*-45.92*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*55.10*	
26 28 16 13-0100	EA	3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity	2,509.56	87.76
		For Bolt-On, Add	*347.63*	
		For Installation In New Panelboard, Deduct	*-48.47*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*58.17*	

26 28 16 13-0101 Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0102	EA	1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	144.10	18.37
		For Bolt-On, Add	*25.16*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0103	EA	1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	144.10	18.37
		For Bolt-On, Add	*25.16*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0104	EA	1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	256.30	22.96
		For Bolt-On, Add	*40.97*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0105	EA	2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	322.61	27.55
		For Bolt-On, Add	*51.04*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0106	EA	2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	322.61	27.55
		For Bolt-On, Add	*51.04*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0107	EA	2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	599.28	36.74
		For Bolt-On, Add	*89.20*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0108	EA	2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,129.04	45.92
		For Bolt-On, Add	*158.99*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0109	EA	2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,221.11	57.15
		For Bolt-On, Add	*299.96*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 28 16 13-0110	EA	3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	539.36	36.74
		For Bolt-On, Add	*81.71*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0111	EA	3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	539.36	36.74
		For Bolt-On, Add	*81.71*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0112	EA	3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	724.25	45.92
		For Bolt-On, Add	*108.39*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0113	EA	3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	1,392.03	55.10
		For Bolt-On, Add	*195.43*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 28 16 13-0114	EA	3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity	2,761.75	71.43
		For Bolt-On, Add	*372.90*	
		For Installation In New Panelboard, Deduct	*-39.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.45*	

26 28 16 13-0115 Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0116	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	218.72	18.37
		For Bolt-On, Add	*34.48*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0117	EA	35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity	218.72	18.37
		For Bolt-On, Add	*34.48*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0118	EA	70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	335.66	22.96
		For Bolt-On, Add	*50.89*	
		For Installation In New Panelboard, Deduct	*-12.76*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*15.31*	
26 28 16 13-0119	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	408.95	27.55
		For Bolt-On, Add	*61.83*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0120	EA	35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	408.95	27.55
		For Bolt-On, Add	*61.83*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0121	EA	70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	785.16	36.74
		For Bolt-On, Add	*112.43*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0122	EA	110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,444.41	45.92
		For Bolt-On, Add	*198.41*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0123	EA	150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	2,918.27	51.02
		For Bolt-On, Add	*384.43*	
		For Installation In New Panelboard, Deduct	*-28.06*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*33.68*	
26 28 16 13-0124	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	712.38	36.74
		For Bolt-On, Add	*103.33*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0125	EA	35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	712.38	36.74
		For Bolt-On, Add	*103.33*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0126	EA	70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	991.57	45.92
		For Bolt-On, Add	*141.81*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0127	EA	110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	1,626.54	55.10
		For Bolt-On, Add	*224.75*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 28 16 13-0128	EA	150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity	3,675.81	71.43
		For Bolt-On, Add	*487.16*	
		For Installation In New Panelboard, Deduct	*-39.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.45*	

26 28 16 13-0129 Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On *(26 28 16 13-0001)*

Note: Includes connection of electrical wire.

26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	89.91	18.37
		For Bolt-On, Add	*18.38*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	199.57	27.55
		For Bolt-On, Add	*35.66*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	322.61	36.74
		For Bolt-On, Add	*54.61*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	205.93	18.37
		For Bolt-On, Add	*32.88*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	205.93	18.37
		For Bolt-On, Add	*32.88*	
		For Installation In New Panelboard, Deduct	*-10.21*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*12.25*	
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	409.94	36.74
		For Bolt-On, Add	*65.53*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	480.07	27.55
		For Bolt-On, Add	*70.72*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	480.07	27.55
		For Bolt-On, Add	*70.72*	
		For Installation In New Panelboard, Deduct	*-15.31*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*18.37*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	945.45	36.74
		For Bolt-On, Add	*132.47*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,622.31	45.92
		For Bolt-On, Add	*220.65*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,617.88	57.15
		For Bolt-On, Add	*474.56*	
		For Installation In New Panelboard, Deduct	*-31.89*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*38.27*	
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	814.12	36.74
		For Bolt-On, Add	*116.05*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	814.12	36.74
		For Bolt-On, Add	*116.05*	
		For Installation In New Panelboard, Deduct	*-20.41*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*24.49*	
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,139.27	45.92
		For Bolt-On, Add	*160.27*	
		For Installation In New Panelboard, Deduct	*-25.51*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*30.62*	
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,755.92	55.10
		For Bolt-On, Add	*240.92*	
		For Installation In New Panelboard, Deduct	*-30.61*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*36.74*	
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	4,498.94	71.43
		For Bolt-On, Add	*590.05*	
		For Installation In New Panelboard, Deduct	*-39.55*	
		Note: Also for use with new interiors in panelboards.		
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	*47.45*	

26 28 16 16 Enclosed Switches *(26 28 16)*

26 28 16 16-0001 Motor And Circuit Disconnects *(26 28 16 16)*

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.

26 28 16 16-0002 NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*

26 28 16 16-0003 Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*

Note: Includes fuses and neutral bar.

26 28 16 16-0004 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	428.72	102.05
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	695.20	122.96
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	969.95	143.89
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,682.62	226.54
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,652.70	352.06
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,138.25	520.44
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,429.62	612.28
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,379.25	714.33

26 28 16 16-0013 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0003)*

26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	676.43	113.38
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	816.27	136.64
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,331.04	159.70
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,958.81	252.05
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,364.97	391.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,822.78	577.99
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,189.28	679.94
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,997.97	793.71
26 28 16 16-0022		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	601.16	160.21
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	899.47	212.77
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,239.64	236.24
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,963.20	369.92
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,169.53	607.17
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,860.25	850.55
26 28 16 16-0029		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	803.99	177.05
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,015.56	236.24
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,543.24	265.83
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,264.53	405.12
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,184.60	654.12
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,404.45	944.95
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	13,590.26	1,122.51
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	17,463.19	1,275.58
26 28 16 16-0038		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	579.59	160.21
26 28 16 16-0040	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	871.59	212.77
26 28 16 16-0041	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,188.92	236.24
26 28 16 16-0042	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,032.95	369.92
26 28 16 16-0043	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,562.64	607.17
26 28 16 16-0044	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,451.65	850.55
26 28 16 16-0045	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,524.93	1,071.48
26 28 16 16-0046	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,497.33	1,224.56
26 28 16 16-0047		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0003)*		
26 28 16 16-0048	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	883.15	177.05
26 28 16 16-0049	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,112.83	236.24
26 28 16 16-0050	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,685.47	265.83
26 28 16 16-0051	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,477.45	405.12
26 28 16 16-0052	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,638.86	654.12
26 28 16 16-0053	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,206.73	944.95
26 28 16 16-0054	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,922.24	1,122.51
26 28 16 16-0055	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	18,902.01	1,275.58

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0056		Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0057		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0058	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	415.07	147.66
26 28 16 16-0059	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	654.08	205.42
26 28 16 16-0060	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	919.71	236.24
26 28 16 16-0061	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,437.94	377.98
26 28 16 16-0062	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,953.04	629.93
26 28 16 16-0063	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,895.21	859.03
26 28 16 16-0064	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,072.35	1,020.46
26 28 16 16-0065	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,399.92	1,190.99
26 28 16 16-0066		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0067	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	458.53	162.97
26 28 16 16-0068	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	741.65	230.53
26 28 16 16-0069	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,041.28	262.46
26 28 16 16-0070	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,615.06	410.84
26 28 16 16-0071	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,177.67	674.93
26 28 16 16-0072	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,414.94	944.85
26 28 16 16-0073	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,886.57	1,020.46
26 28 16 16-0074	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,514.97	1,190.99
26 28 16 16-0075		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0076	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	476.72	132.66
26 28 16 16-0077	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	739.84	184.70
26 28 16 16-0078	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,018.34	212.77
26 28 16 16-0079	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,596.54	340.32
26 28 16 16-0080	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,259.25	566.87
26 28 16 16-0081	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,331.62	773.00
26 28 16 16-0082	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,401.58	918.42
26 28 16 16-0083	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,319.96	1,071.48
26 28 16 16-0084		480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0056)*		
26 28 16 16-0085	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	519.20	146.43
26 28 16 16-0086	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	811.35	207.67
26 28 16 16-0087	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,107.94	236.24
26 28 16 16-0088	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,721.14	369.92
26 28 16 16-0089	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,492.04	607.17
26 28 16 16-0090	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,756.63	850.55
26 28 16 16-0091	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,940.59	918.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0092		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0093	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	559.36	146.64
26 28 16 16-0094	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	879.84	207.46
26 28 16 16-0095	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,219.34	236.24
26 28 16 16-0096	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,892.72	369.71
26 28 16 16-0097	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,732.05	607.38
26 28 16 16-0098	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,466.94	850.35
26 28 16 16-0099	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	10,751.15	918.42
26 28 16 16-0100	EA	1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	14,136.71	1,071.48
26 28 16 16-0101		**240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0102	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	862.50	132.87
26 28 16 16-0103	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,029.17	184.91
26 28 16 16-0104	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,615.09	212.56
26 28 16 16-0105	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,412.70	340.12
26 28 16 16-0106		**480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0107	EA	30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	932.63	146.43
26 28 16 16-0108	EA	60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,121.38	207.67
26 28 16 16-0109	EA	100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,747.34	236.24
26 28 16 16-0110	EA	200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,595.62	369.92
26 28 16 16-0111		**600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0056)*		
26 28 16 16-0112	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,044.43	146.64
26 28 16 16-0113	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,244.69	207.46
26 28 16 16-0114	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,969.08	236.24
26 28 16 16-0115	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,918.64	369.71
26 28 16 16-0116		**General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0002)* Note: Includes fuses and neutral bar.		
26 28 16 16-0117		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0116)*		
26 28 16 16-0118	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	288.08	88.78
26 28 16 16-0119	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	400.07	106.84
26 28 16 16-0120	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	636.15	124.91
26 28 16 16-0121	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,195.50	197.05
26 28 16 16-0122	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,929.17	305.63
26 28 16 16-0123	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,540.61	452.37
26 28 16 16-0124		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0116)*		
26 28 16 16-0125	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	389.19	139.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0126	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	555.73	184.91
26 28 16 16-0127	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	797.16	205.42
26 28 16 16-0128	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,445.78	321.54
26 28 16 16-0129	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,377.19	528.20
26 28 16 16-0130	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,120.56	739.43
26 28 16 16-0131		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0116)*		
26 28 16 16-0132	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	441.35	139.50
26 28 16 16-0133	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	639.83	184.91
26 28 16 16-0134	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	873.68	205.42
26 28 16 16-0135	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,638.58	321.54
26 28 16 16-0136	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	3,706.73	528.20
26 28 16 16-0137	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,329.45	739.43
26 28 16 16-0138		General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0002)*		
26 28 16 16-0139		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0140	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	392.45	123.47
26 28 16 16-0141	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	534.09	141.94
26 28 16 16-0142	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,255.61	226.85
26 28 16 16-0143	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,750.16	377.57
26 28 16 16-0144	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,834.03	514.52
26 28 16 16-0145		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0138)*		
26 28 16 16-0146	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	371.32	115.51
26 28 16 16-0147	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	507.50	160.72
26 28 16 16-0148	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	803.27	184.91
26 28 16 16-0149	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,394.32	295.84
26 28 16 16-0150	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,982.17	493.08
26 28 16 16-0151	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,151.56	672.07
26 28 16 16-0152		NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0153		Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0155	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	645.35	119.90
26 28 16 16-0156	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,051.22	143.89
26 28 16 16-0157	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,320.40	167.36
26 28 16 16-0158	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,927.43	255.12
26 28 16 16-0159	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,340.60	408.18
26 28 16 16-0160	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,697.14	544.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0161	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,647.37	612.28
26 28 16 16-0162	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	15,484.95	714.33
26 28 16 16-0163		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0164	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,135.08	159.81
26 28 16 16-0165	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,348.71	195.92
26 28 16 16-0166	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,942.18	225.01
26 28 16 16-0167	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,725.66	337.47
26 28 16 16-0168	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,027.07	552.17
26 28 16 16-0169	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,218.13	759.32
26 28 16 16-0170	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,620.49	874.34
26 28 16 16-0171	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,298.02	984.23
26 28 16 16-0172		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0173	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	804.35	188.79
26 28 16 16-0174	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,302.90	250.02
26 28 16 16-0175	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,584.58	274.50
26 28 16 16-0176	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,339.88	425.03
26 28 16 16-0177	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,170.92	708.71
26 28 16 16-0178	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,750.21	944.95
26 28 16 16-0179		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0180	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,265.50	223.79
26 28 16 16-0181	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,506.07	274.30
26 28 16 16-0182	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,043.84	314.92
26 28 16 16-0183	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,961.17	472.47
26 28 16 16-0184	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,352.30	773.10
26 28 16 16-0185	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,649.44	1,063.02
26 28 16 16-0186	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,638.18	1,224.56
26 28 16 16-0187	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	19,962.79	1,377.63
26 28 16 16-0188		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0153)*		
26 28 16 16-0189	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	892.80	188.79
26 28 16 16-0190	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,305.47	250.02
26 28 16 16-0191	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,708.95	274.50
26 28 16 16-0192	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,422.83	425.03
26 28 16 16-0193	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,247.01	708.71
26 28 16 16-0194	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	9,587.16	944.95
26 28 16 16-0195	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,267.83	1,071.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0196	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	20,336.49	1,224.56
26 28 16 16-0197		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0153)*		
26 28 16 16-0198	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,316.25	223.99
26 28 16 16-0199	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,563.13	274.50
26 28 16 16-0200	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,170.65	314.82
26 28 16 16-0201	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,043.60	472.47
26 28 16 16-0202	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,650.30	773.00
26 28 16 16-0203	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	11,991.83	1,062.81
26 28 16 16-0204	EA	800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,716.32	1,224.56
26 28 16 16-0205	EA	1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	21,383.92	1,377.63
26 28 16 16-0206		**Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)*		
26 28 16 16-0207		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0208	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	617.36	105.01
26 28 16 16-0209	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,021.92	145.41
26 28 16 16-0210	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,356.62	166.75
26 28 16 16-0211	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,779.36	270.02
26 28 16 16-0212	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,041.88	450.43
26 28 16 16-0213	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,488.51	600.55
26 28 16 16-0214	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,182.02	714.63
26 28 16 16-0215	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	16,149.49	816.67
26 28 16 16-0216		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0217	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	696.42	115.72
26 28 16 16-0218	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,159.56	161.95
26 28 16 16-0219	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,534.74	182.87
26 28 16 16-0220	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,983.45	283.48
26 28 16 16-0221	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,607.81	472.47
26 28 16 16-0222	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,094.94	629.93
26 28 16 16-0223	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,999.01	748.62
26 28 16 16-0224	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,227.63	850.35
26 28 16 16-0225		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0226	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	722.35	157.45
26 28 16 16-0227	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,167.28	218.07
26 28 16 16-0228	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,523.35	250.12
26 28 16 16-0229	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,049.33	405.02
26 28 16 16-0230	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,555.99	675.54
26 28 16 16-0231	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,213.81	900.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0232	EA	800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,035.97	1,071.48
26 28 16 16-0233	EA	1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	17,362.35	1,224.56
26 28 16 16-0234		**480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0235	EA	30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	783.59	173.48
26 28 16 16-0236	EA	60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,269.35	242.97
26 28 16 16-0237	EA	100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,644.85	274.30
26 28 16 16-0238	EA	200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,178.34	425.23
26 28 16 16-0239	EA	400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,850.96	708.61
26 28 16 16-0240	EA	600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,759.90	944.85
26 28 16 16-0241	EA	800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,915.89	1,122.51
26 28 16 16-0242	EA	1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,527.95	1,275.58
26 28 16 16-0243		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0206)*		
26 28 16 16-0244	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	380.11	173.48
26 28 16 16-0245	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,321.54	242.97
26 28 16 16-0246	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,717.62	274.30
26 28 16 16-0247	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,266.90	425.23
26 28 16 16-0248	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	5,080.25	708.61
26 28 16 16-0249	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,724.86	944.85
26 28 16 16-0250	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	13,896.26	1,122.51
26 28 16 16-0251	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	18,501.24	1,275.58
26 28 16 16-0252		**General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0152)* Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0253		**240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0254	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	378.27	104.29
26 28 16 16-0255	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	545.52	125.11
26 28 16 16-0256	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	727.50	145.52
26 28 16 16-0257	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,532.88	221.85
26 28 16 16-0258	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,849.45	354.92
26 28 16 16-0259	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	6,906.50	473.49
26 28 16 16-0260		**240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches** *(26 28 16 16-0252)*		
26 28 16 16-0261	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	499.02	164.40
26 28 16 16-0262	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	730.77	217.46
26 28 16 16-0263	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	913.24	238.59
26 28 16 16-0264	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,829.76	369.71
26 28 16 16-0265	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,374.55	616.16
26 28 16 16-0266	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,612.50	821.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0267		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0252)*		
26 28 16 16-0268	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	572.15	164.29
26 28 16 16-0269	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	804.01	217.46
26 28 16 16-0270	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,149.22	238.59
26 28 16 16-0271	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,982.20	369.71
26 28 16 16-0272	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	4,472.48	616.26
26 28 16 16-0273	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	8,377.43	821.88
26 28 16 16-0274	EA	800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	12,101.61	931.07
26 28 16 16-0275		General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0152)*		
26 28 16 16-0276		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0277	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	342.84	91.33
26 28 16 16-0278	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	573.34	126.43
26 28 16 16-0279	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	596.18	145.01
26 28 16 16-0280	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,559.32	234.71
26 28 16 16-0281	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	3,923.96	391.66
26 28 16 16-0282	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	7,007.29	522.17
26 28 16 16-0283		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches *(26 28 16 16-0275)*		
26 28 16 16-0284	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	539.85	136.95
26 28 16 16-0285	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	781.14	189.60
26 28 16 16-0286	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	1,175.83	217.46
26 28 16 16-0287	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch	2,032.55	352.16
26 28 16 16-0288		NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0289		Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)* Note: With fuses and neutral bar (stainless steel).		
26 28 16 16-0290		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0291	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,829.41	102.05
26 28 16 16-0292	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,197.39	122.96
26 28 16 16-0293	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,540.29	143.68
26 28 16 16-0294	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,264.78	226.75
26 28 16 16-0295	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	12,794.62	351.85
26 28 16 16-0296	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	18,383.57	520.24
26 28 16 16-0297		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0298	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,330.19	113.38
26 28 16 16-0299	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,585.66	136.54
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,906.68	159.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,920.38	252.05
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,273.46	391.25
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,023.18	577.99
26 28 16 16-0304		240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,031.24	160.42
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,539.77	212.56
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,935.77	236.24
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,998.16	369.71
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,705.74	607.38
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	19,568.02	850.35
26 28 16 16-0311		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,464.31	177.16
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,792.16	236.24
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,133.19	265.73
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,246.11	404.92
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,140.15	654.12
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	20,113.32	944.85
26 28 16 16-0318		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,444.80	160.42
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,056.78	212.56
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,970.29	236.24
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,412.82	369.71
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,489.98	607.38
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	23,394.24	850.35
26 28 16 16-0325		600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0289)*		
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,952.99	177.16
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,346.31	236.24
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,189.17	265.73
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,672.60	404.92
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,961.95	654.12
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	23,991.70	944.85
26 28 16 16-0332		Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0333		240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,753.09	102.05
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,124.46	141.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,053.91	163.28
26 28 16 16-0337	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	5,606.55	260.83
26 28 16 16-0338	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,228.44	434.31
26 28 16 16-0339	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	14,665.61	591.66
26 28 16 16-0340		600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0341	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,995.49	112.56
26 28 16 16-0342	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,421.72	159.19
26 28 16 16-0343	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,622.65	181.44
26 28 16 16-0344	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,378.29	283.48
26 28 16 16-0345	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,630.05	466.55
26 28 16 16-0346	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	16,714.65	653.09
26 28 16 16-0347		240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0348	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	1,814.74	132.87
26 28 16 16-0349	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,180.95	184.91
26 28 16 16-0350	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,265.69	212.56
26 28 16 16-0351	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,407.65	340.12
26 28 16 16-0352	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,218.69	566.97
26 28 16 16-0353	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	15,472.45	773.10
26 28 16 16-0354		600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0355	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,063.52	146.64
26 28 16 16-0356	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,518.24	207.46
26 28 16 16-0357	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,732.25	236.24
26 28 16 16-0358	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,550.71	369.71
26 28 16 16-0359	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	13,148.17	607.38
26 28 16 16-0360	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	17,616.54	850.35
26 28 16 16-0361		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0362	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,521.77	132.87
26 28 16 16-0363	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,010.25	184.91
26 28 16 16-0364	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,881.60	212.56
26 28 16 16-0365	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	10,489.43	340.12
26 28 16 16-0366		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0332)*		
26 28 16 16-0367	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	2,871.55	146.64
26 28 16 16-0368	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,432.56	207.46
26 28 16 16-0369	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,851.18	236.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0370	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	11,949.89	369.71
26 28 16 16-0371		Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0372		600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,335.92	177.05
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,784.39	236.24
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,886.37	265.83
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,932.26	405.12
26 28 16 16-0377		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0371)*		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,134.05	146.43
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,572.04	207.67
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	6,517.86	236.24
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	8,833.95	369.92
26 28 16 16-0382		Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0288)*		
26 28 16 16-0383		600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,827.97	177.05
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,334.99	236.24
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,927.63	265.83
26 28 16 16-0387		600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0382)*		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	3,599.61	146.43
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	4,093.37	207.67
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch	7,517.30	236.24
26 28 16 16-0391		NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0001)* Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		Heavy-Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches *(26 28 16 16-0391)* Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,993.63	204.10
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,373.79	242.97
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	3,738.88	274.30
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	8,017.08	425.23
26 28 16 16-0397		Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0391)*		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,280.48	242.97
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	2,674.13	274.30
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy-Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch	4,958.02	425.23
26 28 16 16-0401		NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0402		Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0401)* Note: With fuses and neutral bar.		
26 28 16 16-0403		240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0402)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	633.35	102.05
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	832.55	122.96
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,148.80	143.89
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,945.92	226.54
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,222.76	352.06
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,685.32	520.44
26 28 16 16-0410		**600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,019.34	113.27
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,040.58	136.74
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,518.57	159.70
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,374.63	252.05
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,265.32	390.84
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	10,520.31	578.10
26 28 16 16-0417		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	870.34	160.21
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,210.75	212.77
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,681.51	236.24
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,489.39	369.92
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,949.41	607.17
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,012.20	850.55
26 28 16 16-0424		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,178.61	177.05
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,315.73	236.24
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,983.47	265.83
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,876.92	405.12
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,133.43	654.12
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	11,692.23	944.95
26 28 16 16-0431		**240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	935.95	160.21
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,255.82	212.77
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,822.98	236.24
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,667.01	369.92
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,424.97	607.17
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,333.48	850.55
26 28 16 16-0438		**600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0402)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,254.68	177.05
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,518.64	236.24
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,122.99	265.83
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,143.21	405.12
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,564.58	654.12
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy-Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	12,047.29	944.95
26 28 16 16-0445		**Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0401)*		
26 28 16 16-0446		**240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0447	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	665.28	147.46
26 28 16 16-0448	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	878.62	205.62
26 28 16 16-0449	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,178.62	236.24
26 28 16 16-0450	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,665.72	378.08
26 28 16 16-0451	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,739.38	630.13
26 28 16 16-0452	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,973.84	859.23
26 28 16 16-0453		**600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0454	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	742.16	162.77
26 28 16 16-0455	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	975.78	230.63
26 28 16 16-0456	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,313.93	262.26
26 28 16 16-0457	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,809.78	410.74
26 28 16 16-0458	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,955.78	675.03
26 28 16 16-0459	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	6,600.62	944.95
26 28 16 16-0460		**240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0461	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	855.99	132.66
26 28 16 16-0462	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,120.42	184.70
26 28 16 16-0463	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,511.13	212.77
26 28 16 16-0464	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,135.85	340.32
26 28 16 16-0465	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,585.03	566.87
26 28 16 16-0466	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	7,305.29	773.00
26 28 16 16-0467		**600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches** *(26 28 16 16-0445)*		
26 28 16 16-0468	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	828.39	146.43
26 28 16 16-0469	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,207.39	207.67
26 28 16 16-0470	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,613.74	236.24
26 28 16 16-0471	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,090.01	369.92
26 28 16 16-0472	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	4,581.68	607.17
26 28 16 16-0473	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	8,738.79	850.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0474		240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0475	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,043.69	132.66
26 28 16 16-0476	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,227.17	184.70
26 28 16 16-0477	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,948.43	212.77
26 28 16 16-0478	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,087.94	340.32
26 28 16 16-0479	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,689.82	433.70
26 28 16 16-0480		600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches *(26 28 16 16-0445)*		
26 28 16 16-0481	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,079.48	146.43
26 28 16 16-0482	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	1,334.21	207.67
26 28 16 16-0483	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	2,076.60	236.24
26 28 16 16-0484	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	3,161.55	369.92
26 28 16 16-0485	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy-Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch	5,990.15	571.46
26 28 16 16-0486		Double Throw Safety Switches *(26 28 16 16-0001)*		
26 28 16 16-0487		NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0488		240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0489	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	793.32	131.13
26 28 16 16-0490	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,184.04	171.44
26 28 16 16-0491	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,669.67	223.99
26 28 16 16-0492	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,230.50	291.34
26 28 16 16-0493	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,563.70	364.31
26 28 16 16-0494	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,164.52	584.21
26 28 16 16-0495	EA	800 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,581.60	816.37
26 28 16 16-0496	EA	1,000 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,221.09	918.42
26 28 16 16-0497	EA	1,200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	20,324.61	1,020.46
26 28 16 16-0498		240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0499	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	991.32	183.68
26 28 16 16-0500	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,392.69	239.81
26 28 16 16-0501	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,122.05	313.79
26 28 16 16-0502	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,144.47	408.18
26 28 16 16-0503	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,662.37	510.23
26 28 16 16-0504	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,635.30	816.37
26 28 16 16-0505	EA	800 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,470.82	918.42
26 28 16 16-0506	EA	1,000 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,994.38	1,020.46
26 28 16 16-0507	EA	1,200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,381.16	1,122.51
26 28 16 16-0508		240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0509	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,324.98	229.60
26 28 16 16-0510	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,946.12	300.02
26 28 16 16-0511	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,529.30	391.86
26 28 16 16-0512	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	4,849.16	509.21
26 28 16 16-0513	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	9,982.21	637.79
26 28 16 16-0514	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,513.59	1,021.99
26 28 16 16-0515	EA	800 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	15,929.70	1,122.51
26 28 16 16-0516	EA	1,000 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	21,362.91	1,173.53
26 28 16 16-0517	EA	1,200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	24,011.64	1,224.56
26 28 16 16-0518		600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0519	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,381.76	171.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0520	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,096.11	223.99
26 28 16 16-0521	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,110.61	291.34
26 28 16 16-0522	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,509.57	364.31
26 28 16 16-0523	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,075.09	584.21
26 28 16 16-0524	EA	800 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	12,576.53	816.37
26 28 16 16-0525	EA	1,000 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,759.51	918.42
26 28 16 16-0526	EA	1,200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	22,152.98	1,020.46
26 28 16 16-0527		600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0528	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	1,518.33	239.81
26 28 16 16-0529	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,275.13	313.79
26 28 16 16-0530	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,343.34	408.18
26 28 16 16-0531	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	7,801.19	510.23
26 28 16 16-0532	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	11,541.03	816.37
26 28 16 16-0533	EA	800 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,534.22	918.42
26 28 16 16-0534	EA	1,000 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	18,754.06	1,020.46
26 28 16 16-0535	EA	1,200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,294.79	1,122.51
26 28 16 16-0536		600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0487)*		
26 28 16 16-0537	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	2,069.74	300.02
26 28 16 16-0538	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	3,708.63	391.86
26 28 16 16-0539	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	5,218.52	509.21
26 28 16 16-0540	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	10,770.58	637.79
26 28 16 16-0541	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	13,397.45	1,021.99
26 28 16 16-0542	EA	800 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	17,298.17	1,122.51
26 28 16 16-0543	EA	1,000 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	23,264.50	1,173.53
26 28 16 16-0544	EA	1,200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch	26,167.89	1,224.56
26 28 16 16-0545		NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0546		240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0547	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,117.99	223.99
26 28 16 16-0548	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,982.22	291.34
26 28 16 16-0549	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	16,648.65	364.31
26 28 16 16-0550	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	28,698.69	584.21
26 28 16 16-0551		240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0552	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,764.94	313.28
26 28 16 16-0553	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,519.22	407.67
26 28 16 16-0554	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	17,090.28	510.23
26 28 16 16-0555	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	18,425.43	817.90
26 28 16 16-0556		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0557	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,705.42	229.70
26 28 16 16-0558	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,346.38	299.82
26 28 16 16-0559	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,709.07	391.76
26 28 16 16-0560	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	6,841.06	509.42
26 28 16 16-0561	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,744.13	637.79
26 28 16 16-0562	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,545.08	1,022.09
26 28 16 16-0563		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0564	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	1,806.74	171.44
26 28 16 16-0565	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,770.65	223.99
26 28 16 16-0566	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,108.85	291.34
26 28 16 16-0567	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	9,940.07	364.31
26 28 16 16-0568	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,228.60	584.21
26 28 16 16-0569		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0570	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	2,021.04	239.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0571	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,072.19	313.28
26 28 16 16-0572	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	5,579.75	407.67
26 28 16 16-0573	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	10,716.54	510.23
26 28 16 16-0574	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	14,328.51	817.90
26 28 16 16-0575		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0545)*		
26 28 16 16-0576	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	3,375.05	299.82
26 28 16 16-0577	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	4,722.22	391.76
26 28 16 16-0578	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	7,023.63	509.42
26 28 16 16-0579	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	11,722.57	637.79
26 28 16 16-0580	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch	13,663.90	1,022.09
26 28 16 16-0581		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0486)*		
26 28 16 16-0582		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0583	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,194.64	131.23
26 28 16 16-0584	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,473.29	171.34
26 28 16 16-0585	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,781.75	223.89
26 28 16 16-0586	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,833.34	291.13
26 28 16 16-0587	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,263.19	364.41
26 28 16 16-0588	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,623.13	584.01
26 28 16 16-0589		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0590	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,503.47	183.68
26 28 16 16-0591	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	2,948.62	239.81
26 28 16 16-0592	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,482.98	313.28
26 28 16 16-0593	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,872.57	407.67
26 28 16 16-0594	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,011.45	510.23
26 28 16 16-0595	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	11,827.35	817.90
26 28 16 16-0596		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0597	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,765.64	229.70
26 28 16 16-0598	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,388.42	299.82
26 28 16 16-0599	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,027.46	391.76
26 28 16 16-0600	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,199.93	509.42
26 28 16 16-0601	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,351.59	637.79
26 28 16 16-0602	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	18,946.28	1,022.09
26 28 16 16-0603		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0604	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,293.59	171.34
26 28 16 16-0605	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,438.86	223.89
26 28 16 16-0606	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,594.46	291.13
26 28 16 16-0607	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	9,547.56	364.41
26 28 16 16-0608	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	12,766.15	584.01
26 28 16 16-0609		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0610	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,585.92	239.81
26 28 16 16-0611	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	3,775.45	313.28
26 28 16 16-0612	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	7,143.31	407.67
26 28 16 16-0613	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	10,303.00	510.23
26 28 16 16-0614	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	13,841.23	817.90
26 28 16 16-0615		600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches *(26 28 16 16-0581)*		
26 28 16 16-0616	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	4,435.15	299.82
26 28 16 16-0617	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	6,372.19	391.76
26 28 16 16-0618	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	8,403.12	509.42
26 28 16 16-0619	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	15,788.94	637.79
26 28 16 16-0620	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch	19,525.99	1,022.09
26 28 16 16-0621		Removal And Reinstallation Of Disconnect (Safety) Switches *(26 28 16 16-0001)* Note: Includes storage and cleaning.		
26 28 16 16-0622	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch	510.23	
26 28 16 16-0623	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch	663.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0624	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch	739.89	
26 28 16 16-0625	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch	867.45	
26 28 16 16-0626		Bolted Contact Switches *(26 28 16 16)* Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.		
26 28 16 16-0627		Electrical Trip, Bolted Contact Switches *(26 28 16 16-0626)*		
26 28 16 16-0628		Top Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0627)*		
26 28 16 16-0629	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480)	9,934.23	1,020.46
26 28 16 16-0630	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480)	10,681.07	1,224.56
26 28 16 16-0631	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480)	11,564.68	1,428.65
26 28 16 16-0632	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480)	12,135.68	1,632.75
26 28 16 16-0633	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480)	13,709.64	1,836.83
26 28 16 16-0634	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480)	17,354.59	2,040.93
26 28 16 16-0635	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480)	23,576.44	2,449.11
26 28 16 16-0636		Bottom Feed, Electrical Trip, Bolted Contact Switches *(26 28 16 16-0627)*		
26 28 16 16-0637	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480)	10,565.96	1,020.46
26 28 16 16-0638	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480)	11,436.53	1,224.56
26 28 16 16-0639	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480)	12,313.63	1,428.65
26 28 16 16-0640	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480)	13,210.26	1,632.75
26 28 16 16-0641	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480)	14,868.88	1,836.83
26 28 16 16-0642	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480)	19,529.81	2,040.93
26 28 16 16-0643	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480)	25,842.83	2,449.11
26 28 16 16-0644		Manually Operated, Bolted Contact Switches *(26 28 16 16-0626)*		
26 28 16 16-0645		Top Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0644)*		
26 28 16 16-0646	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480)	7,094.73	1,020.46
26 28 16 16-0647	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480)	7,875.43	1,224.56
26 28 16 16-0648	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480)	8,709.54	1,428.65
26 28 16 16-0649	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480)	9,535.84	1,632.75
26 28 16 16-0650	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480)	10,427.27	1,836.83
26 28 16 16-0651	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480)	14,072.23	2,040.93
26 28 16 16-0652	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480)	20,215.92	2,449.11
26 28 16 16-0653		Bottom Feed, Manually Operated, Bolted Contact Switches *(26 28 16 16-0644)*		
26 28 16 16-0654	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480)	7,512.84	1,020.46
26 28 16 16-0655	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480)	8,507.15	1,224.56
26 28 16 16-0656	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480)	9,321.73	1,428.65
26 28 16 16-0657	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480)	10,344.70	1,632.75
26 28 16 16-0658	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480)	11,443.24	1,836.83
26 28 16 16-0659	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480)	16,084.63	2,040.93
26 28 16 16-0660	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480)	22,326.01	2,449.11

26 29 Low-Voltage Controllers *(26 20)*

26 29 13 Enclosed Controllers *(26 29)*

26 29 13 13 Across-The-Line Motor Controllers *(26 29 13)*

26 29 13 13-0001		Manual Motor Starters *(26 29 13 13)*		
26 29 13 13-0002		Fractional HP Manual Motor Starters *(26 29 13 13-0001)*		
26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1)	221.97	51.12
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0004	EA	NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2)	291.06	66.46
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0005	EA	NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3)	255.37	51.12
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0006	EA	NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4)	324.47	66.46
		For Flush Cover Plate In Lieu Of NEMA 1, Deduct	*-3.34*	
		For Oversized Enclosure, Add	*33.41*	
		For Pilot Light, Add	*49.00*	
26 29 13 13-0007	EA	NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5)	236.44	51.12
		For Oversized Enclosure, Add	*33.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0008	EA	NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6)	309.99	66.46
		For Oversized Enclosure, Add	*33.41*	
26 29 13 13-0009	EA	NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1)	502.98	61.35
		For Pilot Light, Add	*128.06*	
26 29 13 13-0010	EA	NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2)	575.43	76.68
		For Pilot Light, Add	*128.06*	
26 29 13 13-0011	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1)	536.38	61.35
26 29 13 13-0012	EA	NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2)	605.49	76.68

26 29 13 13-0013 Non-Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0014	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1) Note: NEMA 1 or flush cover plate installation.	173.17	51.12
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0015	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2) Note: NEMA 1 or flush cover plate installation.	293.02	66.46
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0016	EA	NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5) Note: NEMA 1 or flush cover plate installation.	196.28	56.24
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0017	EA	NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6) Note: NEMA 1 or flush cover plate installation.	317.21	71.57
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0018	EA	NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3) Note: NEMA 1 or flush cover plate installation.	204.33	51.12
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0019	EA	NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4) Note: NEMA 1 or flush cover plate installation.	325.25	66.46
		For Oversize Enclosure, Add	*16.12*	
		For Pilot Light, Add	*77.36*	
26 29 13 13-0020	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1)	460.08	61.35
		For Pilot Light, Add	*122.49*	
26 29 13 13-0021	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2)	568.12	76.68
		For Pilot Light, Add	*122.49*	
26 29 13 13-0022	EA	NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5)	484.28	66.46
		For Pilot Light, Add	*122.49*	
26 29 13 13-0023	EA	NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6)	589.09	81.79
		For Pilot Light, Add	*122.49*	
26 29 13 13-0024	EA	NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1)	490.16	61.35
26 29 13 13-0025	EA	NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2)	606.80	76.68
26 29 13 13-0026	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1)	127.44	35.78
		For Pilot Light, Add	*77.36*	
26 29 13 13-0027	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2)	247.30	51.12
		For Pilot Light, Add	*77.36*	
26 29 13 13-0028	EA	Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5)	150.56	40.90
		For Pilot Light, Add	*77.36*	
26 29 13 13-0029	EA	Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6)	270.42	56.24
		For Pilot Light, Add	*77.36*	

26 29 13 13-0030 Reversing Manual Motor Starters *(26 29 13 13-0001)*

26 29 13 13-0031	EA	NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11)	492.42	92.02
		For Pilot Light, Add	*124.64*	
26 29 13 13-0032	EA	NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22)	719.24	122.69
		For Pilot Light, Add	*124.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0033		**Two Speed Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0034	EA	NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11)	492.42	92.02
26 29 13 13-0035	EA	NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22)	719.24	122.69
26 29 13 13-0036		**Non-Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0037	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1)	464.57	61.35
26 29 13 13-0038	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1)	464.57	61.35
26 29 13 13-0039	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11)	992.80	71.57
26 29 13 13-0040	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1)	992.80	71.57
26 29 13 13-0041	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1)	1,309.05	71.57
26 29 13 13-0042	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1)	595.26	71.57
26 29 13 13-0043	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1)	400.49	46.01
26 29 13 13-0044	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1)	554.98	66.46
26 29 13 13-0045	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1)	554.98	66.46
26 29 13 13-0046	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11)	1,193.45	76.68
26 29 13 13-0047	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1)	1,193.45	76.68
26 29 13 13-0048	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1)	1,534.19	76.68
26 29 13 13-0049	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1)	685.67	76.68
26 29 13 13-0050	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1)	490.90	51.12
26 29 13 13-0051	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2)	737.80	71.57
26 29 13 13-0052	EA	NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2)	737.80	71.57
26 29 13 13-0053	EA	NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12)	1,424.16	81.79
26 29 13 13-0054	EA	NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2)	1,424.16	81.79
26 29 13 13-0055	EA	NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2)	1,750.43	81.79
26 29 13 13-0056	EA	Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2)	871.84	81.79
26 29 13 13-0057	EA	Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2)	677.06	56.24
26 29 13 13-0058	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2)	574.88	76.68
26 29 13 13-0059	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2)	574.88	76.68
26 29 13 13-0060	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12)	1,103.10	86.91
26 29 13 13-0061	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2)	1,103.10	86.91
26 29 13 13-0062	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2)	1,428.26	86.91
26 29 13 13-0063	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2)	706.67	86.91
26 29 13 13-0064	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2)	514.13	61.35
26 29 13 13-0065	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3)	665.28	81.79
26 29 13 13-0066	EA	NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3)	665.28	81.79
26 29 13 13-0067	EA	NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13)	1,303.75	92.02
26 29 13 13-0068	EA	NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3)	1,303.75	92.02
26 29 13 13-0069	EA	NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3)	1,652.29	92.02
26 29 13 13-0070	EA	Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3)	795.97	92.02
26 29 13 13-0071	EA	Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3)	601.20	66.46
26 29 13 13-0072		**Reversing Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0073	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1)	1,382.30	107.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0074	EA	NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1)	1,382.30	107.36
26 29 13 13-0075	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1)	1,226.31	76.68
26 29 13 13-0076	EA	NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1)	1,639.94	117.59
26 29 13 13-0077	EA	Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1)	1,483.93	86.91
26 29 13 13-0078		**Two Speed Integral HP Manual Motor Starters** *(26 29 13 13-0001)*		
26 29 13 13-0079	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1)	1,382.30	107.36
26 29 13 13-0080	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1)	1,226.31	76.68
26 29 13 13-0081	EA	NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1)	1,639.94	117.59
26 29 13 13-0082	EA	Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1)	1,483.93	86.91
26 29 13 13-0083		**Magnetic Motor Starters** *(26 29 13 13)*		
26 29 13 13-0084		**Non-Reversing, Magnetic Contactors** *(26 29 13 13-0083)*		
26 29 13 13-0085		**Open Enclosure, Non-Reversing, Magnetic Contactors** *(26 29 13 13-0084)*		
26 29 13 13-0086	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11)	524.08	102.25
		For Factory Installed Accessory, Deduct	*-204.49*	
26 29 13 13-0087	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12)	591.30	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0088	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5)	570.85	102.25
		For Factory Installed Accessory, Deduct	*-204.49*	
26 29 13 13-0089	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1)	639.18	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0090	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2)	706.40	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0091	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3)	893.58	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0092	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4)	1,129.75	184.04
		For Factory Installed Accessory, Deduct	*-368.08*	
26 29 13 13-0093	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5)	669.25	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0094	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1)	736.47	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0095	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2)	805.90	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0096	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3)	1,024.87	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0097	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4)	1,259.93	209.61
		For Factory Installed Accessory, Deduct	*-419.20*	
26 29 13 13-0098	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1)	1,166.30	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0099	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2)	1,288.89	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0100	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3)	1,677.31	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0101	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1)	1,765.49	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0102	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2)	1,995.78	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0103	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3)	2,541.23	255.61
		For Factory Installed Accessory, Deduct	*-511.22*	
26 29 13 13-0104	EA	Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4)	3,659.03	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0105	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1)	4,032.27	255.61
		For Factory Installed Accessory, Deduct	*-511.22*	
26 29 13 13-0106	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2)	4,420.70	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0107	EA	Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3)	6,012.88	357.85
		For Factory Installed Accessory, Deduct	*-715.71*	
26 29 13 13-0108	EA	Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1)	8,243.53	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0109	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2)	9,115.04	408.97
		For Factory Installed Accessory, Deduct	*-817.96*	
26 29 13 13-0110	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2)	23,875.46	613.47
		For Factory Installed Accessory, Deduct	*-1,226.93*	
26 29 13 13-0111	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2)	34,164.59	920.20
		For Factory Installed Accessory, Deduct	*-1,840.40*	

26 29 13 13-0112 NEMA 1, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0113	EA	Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11)	558.60	102.25
		For Factory Installed Accessory, Deduct	*-204.49*	
26 29 13 13-0114	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12)	625.82	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0115	EA	Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5)	605.37	102.25
		For Factory Installed Accessory, Deduct	*-204.49*	
26 29 13 13-0116	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1)	674.82	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0117	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2)	742.03	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0118	EA	Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3)	931.44	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0119	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4)	1,168.72	184.04
		For Factory Installed Accessory, Deduct	*-368.08*	
26 29 13 13-0120	EA	Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5)	705.99	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0121	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1)	775.44	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0122	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2)	842.65	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0123	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3)	1,062.73	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0124	EA	Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4)	1,296.68	209.61
		For Factory Installed Accessory, Deduct	*-419.20*	
26 29 13 13-0125	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1)	1,331.10	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0126	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2)	1,454.81	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0127	EA	Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3)	1,842.11	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0128	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1)	2,089.54	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0129	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2)	2,318.71	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0130	EA	Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3)	2,865.27	255.61
		For Factory Installed Accessory, Deduct	*-511.22*	
26 29 13 13-0131	EA	Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1)	4,703.74	255.61
		For Factory Installed Accessory, Deduct	*-511.22*	
26 29 13 13-0132	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2)	5,092.18	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0133	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2)	10,338.83	408.97
		For Factory Installed Accessory, Deduct	*-817.96*	
26 29 13 13-0134	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2)	29,257.26	613.47
		For Factory Installed Accessory, Deduct	*-1,226.93*	
26 29 13 13-0135	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2)	39,561.97	920.20
		For Factory Installed Accessory, Deduct	*-1,840.40*	

26 29 13 13-0136 NEMA 12, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

26 29 13 13-0137	EA	Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1)	865.23	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0138	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2)	932.45	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0139	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2)	1,033.07	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0140	EA	Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1)	1,678.53	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0141	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2)	1,803.35	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0142	EA	Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1)	2,501.55	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0143	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2)	2,729.61	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0144	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2)	6,456.28	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0145	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2)	13,829.82	408.97
		For Factory Installed Accessory, Deduct	*-817.96*	
26 29 13 13-0146	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2)	33,537.75	613.47
		For Factory Installed Accessory, Deduct	*-1,226.93*	

26 29 13 13-0147 NEMA 4/4X, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Brushed stainless steel enclosure.

26 29 13 13-0148	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12)	1,297.70	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0149	EA	Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11)	1,346.69	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0150	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12)	1,413.90	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0151	EA	Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13)	1,633.98	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0152	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12)	2,597.32	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0153	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12)	3,935.59	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0154	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12)	7,852.67	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0155	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12)	13,829.82	408.97
		For Factory Installed Accessory, Deduct	*-817.96*	
26 29 13 13-0156	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2)	37,185.75	613.47
		For Factory Installed Accessory, Deduct	*-1,226.93*	

26 29 13 13-0157 NEMA 7/9, Non-Reversing, Magnetic Contactors *(26 29 13 13-0084)*

Note: Bolted cast iron enclosure.

26 29 13 13-0158	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2)	2,632.23	163.60
		For Factory Installed Accessory, Deduct	*-327.18*	

26 29 13 13-0159 Non-Reversing, Magnetic Starters *(26 29 13 13-0083)*

26 29 13 13-0160 Open Enclosure, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0161	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11)	634.32	102.25
		For Factory Installed Accessory, Deduct	*-204.49*	
26 29 13 13-0162	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12)	654.77	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0163	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1)	709.34	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0164	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2)	785.46	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0165	EA	Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4)	1,268.94	184.04
		For Factory Installed Accessory, Deduct	*-368.08*	
26 29 13 13-0166	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1)	809.96	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0167	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3)	956.23	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0168	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2)	1,003.00	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0169	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6)	1,267.63	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0170	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1)	1,432.54	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0171	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1)	2,232.97	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0172	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1)	4,785.95	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0173	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1)	11,009.19	408.97
		For Factory Installed Accessory, Deduct	*-817.96*	
26 29 13 13-0174	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2)	25,453.37	613.47
		For Factory Installed Accessory, Deduct	*-1,226.93*	
26 29 13 13-0175	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2)	36,650.04	920.20
		For Factory Installed Accessory, Deduct	*-1,840.40*	

26 29 13 13-0176 NEMA 1, Non-Reversing, Magnetic Starters *(26 29 13 13-0159)*

26 29 13 13-0177	EA	Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11)	671.07	102.25
		For Factory Installed Accessory, Deduct	*-204.49*	
26 29 13 13-0178	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12)	691.52	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0179	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1)	746.08	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0180	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2)	822.21	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0181	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1)	845.59	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0182	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3)	922.83	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0183	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2)	1,040.86	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0184	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6)	1,433.55	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0185	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1)	1,598.46	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0186	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1)	2,557.01	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0187	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1)	5,457.42	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0188	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1)	12,236.32	408.97
		For Factory Installed Accessory, Deduct	*-817.96*	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0189		**NEMA 12, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*			
26 29 13 13-0190	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1)		936.50	112.47
		For Factory Installed Accessory, Deduct		*-224.94*	
26 29 13 13-0191	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2)		1,012.63	122.69
		For Factory Installed Accessory, Deduct		*-245.39*	
26 29 13 13-0192	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1)		1,036.01	122.69
		For Factory Installed Accessory, Deduct		*-245.39*	
26 29 13 13-0193	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)		1,113.24	132.92
		For Factory Installed Accessory, Deduct		*-265.83*	
26 29 13 13-0194	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)		1,231.28	132.92
		For Factory Installed Accessory, Deduct		*-265.83*	
26 29 13 13-0195	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)		1,782.09	122.69
		For Factory Installed Accessory, Deduct		*-245.39*	
26 29 13 13-0196	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)		1,945.89	153.37
		For Factory Installed Accessory, Deduct		*-306.74*	
26 29 13 13-0197	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)		2,967.91	204.49
		For Factory Installed Accessory, Deduct		*-408.97*	
26 29 13 13-0198	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)		6,820.41	306.74
		For Factory Installed Accessory, Deduct		*-613.47*	
26 29 13 13-0199	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)		15,723.97	408.97
		For Factory Installed Accessory, Deduct		*-817.96*	
26 29 13 13-0200	EA	Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)		37,670.15	613.47
		For Factory Installed Accessory, Deduct		*-1,226.93*	
26 29 13 13-0201		**NEMA 3R, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*			
26 29 13 13-0202	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)		936.50	112.47
		For Factory Installed Accessory, Deduct		*-224.94*	
26 29 13 13-0203	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)		1,012.63	122.69
		For Factory Installed Accessory, Deduct		*-245.39*	
26 29 13 13-0204	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)		1,036.01	122.69
		For Factory Installed Accessory, Deduct		*-245.39*	
26 29 13 13-0205	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)		1,113.24	132.92
		For Factory Installed Accessory, Deduct		*-265.83*	
26 29 13 13-0206	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)		1,231.28	132.92
		For Factory Installed Accessory, Deduct		*-265.83*	
26 29 13 13-0207	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)		1,782.09	122.69
		For Factory Installed Accessory, Deduct		*-245.39*	
26 29 13 13-0208	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)		1,945.89	153.37
		For Factory Installed Accessory, Deduct		*-306.74*	
26 29 13 13-0209	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)		2,967.91	204.49
		For Factory Installed Accessory, Deduct		*-408.97*	
26 29 13 13-0210	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)		6,820.41	306.74
		For Factory Installed Accessory, Deduct		*-613.47*	
26 29 13 13-0211		**NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*			
		Note: Bolted cast aluminum enclosure.			
26 29 13 13-0212	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)		2,741.77	173.81
		For Factory Installed Accessory, Deduct		*-347.63*	
26 29 13 13-0213	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)		3,389.85	173.81
		For Factory Installed Accessory, Deduct		*-347.63*	
26 29 13 13-0214	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)		3,490.48	184.04
		For Factory Installed Accessory, Deduct		*-368.08*	
26 29 13 13-0215	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)		5,450.02	204.49
		For Factory Installed Accessory, Deduct		*-408.97*	
26 29 13 13-0216	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)		6,567.83	255.61
		For Factory Installed Accessory, Deduct		*-511.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0217	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)	10,490.47	357.85
		For Factory Installed Accessory, Deduct	*-715.71*	
26 29 13 13-0218		**NEMA 4/4X, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)	1,300.63	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0220	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)	1,377.87	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0221	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11)	1,416.85	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0222	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13)	1,494.08	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0223	EA	Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12)	1,612.11	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0224	EA	Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16)	2,573.83	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0225	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11)	4,172.78	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0226	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11)	8,215.69	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0227	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11)	18,406.51	408.97
		For Factory Installed Accessory, Deduct	*-817.96*	
26 29 13 13-0228		**NEMA 4X, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
		Note: Glass polyester enclosure.		
26 29 13 13-0229	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21)	2,740.96	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0230	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21)	5,114.84	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0231	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21)	10,117.64	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0232		**NEMA 7/9, Non-Reversing, Magnetic Starters** *(26 29 13 13-0159)*		
		Note: Bolted cast iron enclosure.		
26 29 13 13-0233	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1)	2,655.62	163.60
		For Factory Installed Accessory, Deduct	*-327.18*	
26 29 13 13-0234	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2)	2,741.77	173.81
		For Factory Installed Accessory, Deduct	*-347.63*	
26 29 13 13-0235	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1)	2,781.85	173.81
		For Factory Installed Accessory, Deduct	*-347.63*	
26 29 13 13-0236	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3)	2,863.55	184.04
		For Factory Installed Accessory, Deduct	*-368.08*	
26 29 13 13-0237	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2)	2,999.40	184.04
		For Factory Installed Accessory, Deduct	*-368.08*	
26 29 13 13-0238	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1)	4,443.37	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0239		**Reversing, Magnetic Starters** *(26 29 13 13-0083)*		
26 29 13 13-0240		**Open Enclosure, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
26 29 13 13-0241	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13)	1,226.83	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0242	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16)	1,296.98	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0243	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1)	1,437.69	143.14
		For Factory Installed Accessory, Deduct	*-286.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0244	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2)	1,489.33	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0245	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10)	1,528.31	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0246	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2)	1,635.60	163.60
		For Factory Installed Accessory, Deduct	*-327.18*	
26 29 13 13-0247	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3)	1,699.68	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0248	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7)	1,739.77	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0249	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1)	3,024.70	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0250	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1)	4,958.55	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0251	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1)	11,532.35	460.10
		For Factory Installed Accessory, Deduct	*-920.20*	
26 29 13 13-0252	EA	Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1)	21,614.95	613.47
		For Factory Installed Accessory, Deduct	*-1,226.93*	
26 29 13 13-0253	EA	Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1)	70,454.44	1,124.69
		For Factory Installed Accessory, Deduct	*-2,249.38*	

26 29 13 13-0254 NEMA 1, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0255	EA	Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13)	1,273.20	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0256	EA	Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15)	1,327.05	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0257	EA	Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16)	1,367.13	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0258	EA	Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1)	1,504.51	143.14
		For Factory Installed Accessory, Deduct	*-286.28*	
26 29 13 13-0259	EA	Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2)	1,558.37	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0260	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4)	1,598.46	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0261	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2)	1,735.82	163.60
		For Factory Installed Accessory, Deduct	*-327.18*	
26 29 13 13-0262	EA	Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6)	1,799.90	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0263	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8)	1,839.99	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0264	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2)	3,285.27	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	
26 29 13 13-0265	EA	Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2)	5,409.54	306.74
		For Factory Installed Accessory, Deduct	*-613.47*	
26 29 13 13-0266	EA	Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3)	12,360.83	460.10
		For Factory Installed Accessory, Deduct	*-920.20*	

26 29 13 13-0267 NEMA 12, Reversing, Magnetic Starters *(26 29 13 13-0239)*

26 29 13 13-0268	EA	Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2)	1,843.44	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0269	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4)	1,883.53	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0270	EA	Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4)	2,125.06	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	
26 29 13 13-0271	EA	Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1)	3,761.88	204.49
		For Factory Installed Accessory, Deduct	*-408.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0272		**NEMA 4X, Reversing, Magnetic Starters** *(26 29 13 13-0239)*		
		Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA	Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14)	2,326.72	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0274	EA	Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11)	2,751.38	163.60
		For Factory Installed Accessory, Deduct	*-327.18*	
26 29 13 13-0275		**Magnetic Contactor/Starters Accessories** *(26 29 13 13-0083)*		
26 29 13 13-0276	EA	NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2)	172.86	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0277	EA	NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3)	298.58	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0278	EA	NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2)	172.86	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0279	EA	NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8)	298.58	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0280	EA	NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R)	298.58	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0281	EA	Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11)	146.16	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0282	EA	External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6)	129.66	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0283	EA	External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8)	172.86	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0284	EA	External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13)	146.16	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0285	EA	External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15)	195.72	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0286	EA	30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6)	221.08	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0287	EA	45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11)	384.89	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0288	EA	60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21)	409.02	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0289	EA	30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8)	489.05	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0290	EA	45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13)	858.58	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0291	EA	60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23)	858.58	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0292	EA	Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1)	48.49	7.67
		For Factory Installed Accessory, Deduct	*-15.34*	
26 29 13 13-0293	EA	1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3)	101.72	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0294	EA	2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4)	134.77	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0295	EA	Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1)	104.29	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0296	EA	Terminal Block, Contactor/Starter Accessory (Square D 9999T7)	57.64	7.67
		For Factory Installed Accessory, Deduct	*-15.34*	
26 29 13 13-0297	EA	Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1)	33.51	7.67
		For Factory Installed Accessory, Deduct	*-15.34*	
26 29 13 13-0298	EA	1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39)	191.88	10.23
		For Factory Installed Accessory, Deduct	*-20.45*	
26 29 13 13-0299	EA	2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40)	334.13	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	
26 29 13 13-0300		**Definite Purpose Starters** *(26 29 13 13)*		
26 29 13 13-0301		**Open Enclosure, Definite Purpose Starter** *(26 29 13 13-0300)*		
26 29 13 13-0302	EA	Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13)	576.11	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0303	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22)	575.00	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0304	EA	Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23)	622.17	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0305	EA	Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32)	616.20	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0306	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33)	670.05	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0307	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42)	651.84	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0308	EA	Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43)	751.05	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0309	EA	Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52)	843.47	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0310	EA	Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53)	1,068.30	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	

26 29 13 13-0311 NEMA 1, Definite Purpose Starter *(26 29 13 13-0300)*

26 29 13 13-0312	EA	NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12)	594.64	112.47
		For Factory Installed Accessory, Deduct	*-224.94*	
26 29 13 13-0313	EA	NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13)	641.81	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0314	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22)	639.59	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0315	EA	NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23)	690.09	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32)	681.90	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33)	736.86	132.92
		For Factory Installed Accessory, Deduct	*-265.83*	
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42)	719.76	122.69
		For Factory Installed Accessory, Deduct	*-245.39*	
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43)	817.86	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52)	906.94	153.37
		For Factory Installed Accessory, Deduct	*-306.74*	
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53)	1,132.88	178.93
		For Factory Installed Accessory, Deduct	*-357.85*	

26 29 13 13-0322 Definite Purpose Starter Accessory *(26 29 13 13-0300)*

26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory Note: Or Hand-Off-Auto Selector Switch Kit	195.72	12.78
		For Factory Installed Accessory, Deduct	*-25.56*	

26 29 13 13-0324 Panel Mounted Miniature Contactor *(26 29 13 13)*

26 29 13 13-0325 Non-Reversing, Panel Mounted Miniature Contactor *(26 29 13 13-0324)*

26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	165.72	51.12
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	195.99	56.24
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	195.99	56.24
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K)	218.46	61.35
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	185.77	51.12
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	196.90	51.12
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	214.92	56.24
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	226.05	56.24
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	221.60	56.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	226.05	56.24
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	240.73	61.35
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	232.73	56.24
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K)	251.86	61.35
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	234.96	56.24
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	234.96	56.24
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	263.00	61.35
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K)	263.00	61.35
26 29 13 13-0343		**Reversing, Panel Mounted Miniature Contactor** *(26 29 13 13-0324)*		
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	247.01	51.12
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	269.28	51.12
26 29 13 13-0346	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	298.43	56.24
26 29 13 13-0347	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	298.43	56.24
26 29 13 13-0348	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	320.70	56.24
26 29 13 13-0349	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	335.38	61.35
26 29 13 13-0350	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K)	335.38	61.35
26 29 13 13-0351	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	288.21	51.12
26 29 13 13-0352	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	310.48	51.12
26 29 13 13-0353	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	337.41	56.24
26 29 13 13-0354	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	359.68	56.24
26 29 13 13-0355	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	381.03	61.35
26 29 13 13-0356	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K)	403.31	61.35
26 29 13 13-0357	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	325.16	56.24
26 29 13 13-0358	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	377.50	56.24
26 29 13 13-0359	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K)	427.80	61.35
26 29 13 13-0360		**Panel Mounted Miniature Contactor Accessories** *(26 29 13 13-0324)*		
26 29 13 13-0361	EA	2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02)	68.60	25.56
26 29 13 13-0362	EA	4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40)	77.20	25.56
26 29 13 13-0363	EA	Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U)	92.77	25.56
26 29 13 13-0364	EA	Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301)	123.74	25.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0365		**Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole** *(26 29 13 13)*		
26 29 13 13-0366		**NEMA 1 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0367	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	7,503.48	489.83
		For NEMA 4, Add	*812.88*	
26 29 13 13-0368	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	13,186.50	653.09
		For NEMA 4, Add	*1,484.78*	
26 29 13 13-0369	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	23,225.73	775.56
		For NEMA 4, Add	*2,709.95*	
26 29 13 13-0370	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	56,996.83	949.03
		For NEMA 4, Add	*6,888.39*	
26 29 13 13-0371	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing	91,046.08	1,214.35
		For NEMA 4, Add	*11,077.05*	
26 29 13 13-0372		**NEMA 12 Enclosure** *(26 29 13 13-0365)*		
26 29 13 13-0373	EA	Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	7,449.31	500.23
26 29 13 13-0374	EA	Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	13,087.57	654.12
26 29 13 13-0375	EA	Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	23,045.15	773.10
26 29 13 13-0376	EA	Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	56,537.82	944.85
26 29 13 13-0377	EA	Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing	90,307.96	1,214.86
26 29 13 13-0378		**Factory Modifications Pilot Devices** *(26 29 13 13-0365)*		
26 29 13 13-0379	EA	Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	191.52	
26 29 13 13-0380	EA	H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	211.22	
26 29 13 13-0381	EA	Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	359.54	
26 29 13 13-0382	EA	Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	195.35	
26 29 13 13-0383	EA	Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	280.89	
26 29 13 13-0384	EA	Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	140.44	
26 29 13 13-0385	EA	Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device	458.40	
26 29 13 13-0386		**Factory Modifications Meters** *(26 29 13 13-0365)*		
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,842.64	
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	1,779.73	
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	629.19	
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter	521.35	
26 29 13 13-0391		**Factory Modifications Main Circuit Breakers** *(26 29 13 13-0365)*		
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker	2,435.31	
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker	4,453.89	
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker	9,473.85	
26 29 13 13-0395		**Factory Modifications Addition** *(26 29 13 13-0365)*		
		Note: For reversing service auto transformer type.		
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase	408.99	
26 29 13 13-0400		**Combination Starters Non-Reversing** *(26 29 13 13)*		
26 29 13 13-0401		**240-600 Volt, 3-Pole** *(26 29 13 13-0400)*		
26 29 13 13-0402		**NEMA 1 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,757.16	234.71
		For Electronic Overloads, Add	*244.10*	
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,094.78	367.36
		For Electronic Overloads, Add	*257.51*	
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,996.28	428.60
		For Electronic Overloads, Add	*407.72*	
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,634.78	530.64
		For Electronic Overloads, Add	*678.64*	
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,590.26	846.98
		For Electronic Overloads, Add	*1,309.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	17,594.34	1,061.29
		For Electronic Overloads, Add	*2,938.99*	
26 29 13 13-0409		**NEMA 1 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,265.40	234.71
		For Electronic Overloads, Add	*340.66*	
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,603.02	367.36
		For Electronic Overloads, Add	*354.07*	
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,490.40	428.60
		For Electronic Overloads, Add	*501.60*	
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,903.02	530.64
		For Electronic Overloads, Add	*729.61*	
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,129.09	846.98
		For Electronic Overloads, Add	*1,601.38*	
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	21,674.38	1,061.29
		For Electronic Overloads, Add	*3,714.20*	
26 29 13 13-0416		**Factory Modifications For NEMA 1 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	231.45	
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	543.62	
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt	375.19	
26 29 13 13-0420		**NEMA 4 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,269.93	306.14
		For Electronic Overloads, Add	*501.60*	
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,560.99	428.60
		For Electronic Overloads, Add	*515.02*	
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	5,180.20	469.41
		For Electronic Overloads, Add	*804.71*	
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,348.03	571.46
		For Electronic Overloads, Add	*1,370.69*	
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	13,249.12	846.98
		For Electronic Overloads, Add	*2,194.18*	
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	29,481.51	1,061.29
		For Electronic Overloads, Add	*5,197.55*	
26 29 13 13-0427		**NEMA 4 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0428	EA	Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,778.17	306.14
		For Electronic Overloads, Add	*598.17*	
26 29 13 13-0429	EA	Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,069.23	428.60
		For Electronic Overloads, Add	*611.58*	
26 29 13 13-0430	EA	Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,674.33	469.41
		For Electronic Overloads, Add	*898.60*	
26 29 13 13-0431	EA	Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	8,616.27	571.46
		For Electronic Overloads, Add	*1,421.66*	
26 29 13 13-0432	EA	Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,787.96	846.98
		For Electronic Overloads, Add	*2,486.56*	
26 29 13 13-0433	EA	Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	27,886.20	1,061.29
		For Electronic Overloads, Add	*4,894.45*	
26 29 13 13-0434		**Factory Modifications For NEMA 4 Enclosure** *(26 29 13 13-0401)*		
26 29 13 13-0435	EA	Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	231.48	
26 29 13 13-0436	EA	H-0-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	543.62	
26 29 13 13-0437	EA	Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt	375.19	
26 29 13 13-0438		**NEMA 12 With Disconnect (Safety) Switch** *(26 29 13 13-0401)*		
26 29 13 13-0439	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	1,821.39	236.24
		For Electronic Overloads, Add	*256.30*	
26 29 13 13-0440	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	2,162.54	369.71
		For Electronic Overloads, Add	*270.38*	
26 29 13 13-0441	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	3,103.57	425.23
		For Electronic Overloads, Add	*428.11*	
26 29 13 13-0442	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	4,813.36	531.46
		For Electronic Overloads, Add	*712.57*	
26 29 13 13-0443	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	8,934.72	850.45
		For Electronic Overloads, Add	*1,374.45*	
26 29 13 13-0444	EA	Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase	18,367.74	1,062.91
		For Electronic Overloads, Add	*3,085.94*	
26 29 13 13-0445		**NEMA 12 With Circuit Breaker** *(26 29 13 13-0401)*		
26 29 13 13-0446	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,428.27	236.24
		For Electronic Overloads, Add	*371.61*	
26 29 13 13-0447	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	2,772.30	369.71
		For Electronic Overloads, Add	*386.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0448	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	3,730.22	425.23
		For Electronic Overloads, Add	*547.17*	
26 29 13 13-0449	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,251.83	531.46
		For Electronic Overloads, Add	*795.88*	
26 29 13 13-0450	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	10,894.70	850.45
		For Electronic Overloads, Add	*1,746.84*	
26 29 13 13-0451	EA	Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	23,450.11	1,062.91
		For Electronic Overloads, Add	*4,051.59*	
26 29 13 13-0452		Factory Modifications For NEMA 12 Enclosure *(26 29 13 13-0401)*		
26 29 13 13-0453	EA	Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	229.55	
26 29 13 13-0454	EA	H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	539.10	
26 29 13 13-0455	EA	Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt	372.06	
26 29 13 13-0456		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0401)*		
26 29 13 13-0457	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	4,332.50	489.83
26 29 13 13-0458	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	5,871.98	653.09
26 29 13 13-0459	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	6,342.84	898.01
26 29 13 13-0460	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	9,449.01	1,224.56
26 29 13 13-0461	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase	14,266.30	1,714.38
26 29 13 13-0462		Factory Modifications For NEMA 7 Or 9 Enclosure *(26 29 13 13-0401)*		
26 29 13 13-0463	EA	Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0464	EA	H-0-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0465	EA	Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt	1,376.45	
26 29 13 13-0466		Combination Starters Reversing *(26 29 13 13)*		
26 29 13 13-0467		240-600 Volt, 3 Pole *(26 29 13 13-0466)*		
26 29 13 13-0468		NEMA 1 With Disconnect (Safety) Switch *(26 29 13 13-0467)*		
26 29 13 13-0469	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,160.88	306.14
26 29 13 13-0470	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,483.87	428.60
26 29 13 13-0471	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,675.33	469.41
26 29 13 13-0472	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	5,658.42	571.46
26 29 13 13-0473	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	11,177.08	846.98
26 29 13 13-0474		NEMA 1 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0475	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,429.04	306.14
26 29 13 13-0476	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,770.12	428.60
26 29 13 13-0477	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,010.43	469.41
26 29 13 13-0478	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,197.07	571.46
26 29 13 13-0479	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,083.48	846.98
26 29 13 13-0480		NEMA 12 With Disconnect (Safety) Switch *(26 29 13 13-0467)*		
26 29 13 13-0481	EA	Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,316.82	315.02
26 29 13 13-0482	EA	Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	2,650.25	425.23
26 29 13 13-0483	EA	Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	3,953.44	472.47
26 29 13 13-0484	EA	Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	6,119.27	566.97
26 29 13 13-0485	EA	Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase	12,142.30	850.45
26 29 13 13-0486		NEMA 12 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0487	EA	Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,612.30	315.02
26 29 13 13-0488	EA	Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	2,965.66	425.23
26 29 13 13-0489	EA	Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	4,322.68	472.47
26 29 13 13-0490	EA	Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,610.94	566.97
26 29 13 13-0491	EA	Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	13,141.02	850.45
26 29 13 13-0492		NEMA 7 Or 9 With Circuit Breaker *(26 29 13 13-0467)*		
26 29 13 13-0493	EA	Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,239.51	653.09
26 29 13 13-0494	EA	Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	5,601.11	816.37
26 29 13 13-0495	EA	Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	8,081.42	1,061.29
26 29 13 13-0496	EA	Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	12,932.87	1,387.83
26 29 13 13-0497	EA	Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase	23,770.65	1,877.65
26 29 13 13-0498		Solid State Motor Controllers *(26 29 13 13)*		
26 29 13 13-0499		Adjustable Voltage Drives, DC Motors *(26 29 13 13-0498)*		
26 29 13 13-0500	EA	0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking	1,734.91	183.68
26 29 13 13-0501	EA	0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking	2,110.15	183.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0502		Removal And Reinstallation Of Motor Starters *(26 29 13 13)* Note: Includes storage and cleaning.		
26 29 13 13-0503	EA	Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect	728.90	
26 29 13 13-0504		Auxiliary Devices *(26 29 13 13)*		
26 29 13 13-0505	EA	Normally Open, Auxiliary Contact	496.25	102.05
26 29 13 13-0506	EA	Normally Closed, Auxiliary Contact	496.25	102.05
26 29 13 13-0507	EA	Pilot Light Kit	525.73	102.05
26 29 23		**Variable-Frequency Motor Controllers** *(26 29)*		
26 29 23 00-0001		208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)* Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA	3/4 HP, 208/230 Volt Variable Frequency Drive	2,149.47	428.72
		For 6-Pulse Drive Package, Deduct	*-710.56*	
26 29 23 00-0003	EA	1 HP, 208/230 Volt Variable Frequency Drive	2,420.11	468.57
		For 6-Pulse Drive Package, Deduct	*-818.03*	
26 29 23 00-0004	EA	1-1/2 HP, 208/230 Volt Variable Frequency Drive	2,812.01	515.22
		For 6-Pulse Drive Package, Deduct	*-979.86*	
26 29 23 00-0005	EA	2 HP, 208/230 Volt Variable Frequency Drive	2,964.00	495.24
		For 6-Pulse Drive Package, Deduct	*-1,085.44*	
26 29 23 00-0006	EA	3 HP, 208/230 Volt Variable Frequency Drive	3,177.55	539.95
		For 6-Pulse Drive Package, Deduct	*-1,153.71*	
26 29 23 00-0007	EA	5 HP, 208/230 Volt Variable Frequency Drive	3,436.16	539.95
		For 6-Pulse Drive Package, Deduct	*-1,295.95*	
26 29 23 00-0008	EA	7.5 HP, 208/230 Volt Variable Frequency Drive	4,105.42	644.70
		For 6-Pulse Drive Package, Deduct	*-1,548.82*	
26 29 23 00-0009	EA	10 HP, 208/230 Volt Variable Frequency Drive	4,478.97	644.70
		For 6-Pulse Drive Package, Deduct	*-1,754.27*	
26 29 23 00-0010	EA	15 HP, 208/230 Volt Variable Frequency Drive	5,906.86	970.71
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	
26 29 23 00-0011	EA	20 HP, 208/230 Volt Variable Frequency Drive	6,941.32	970.71
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0012	EA	25 HP, 208/230 Volt Variable Frequency Drive	8,469.57	1,289.50
		For 6-Pulse Drive Package, Deduct	*-3,239.87*	
26 29 23 00-0013	EA	30 HP, 208/230 Volt Variable Frequency Drive	9,762.64	1,289.50
		For 6-Pulse Drive Package, Deduct	*-3,951.06*	
26 29 23 00-0014	EA	40 HP, 208/230 Volt Variable Frequency Drive	10,883.31	1,289.50
		For 6-Pulse Drive Package, Deduct	*-4,567.43*	
26 29 23 00-0015	EA	50 HP, 208/230 Volt Variable Frequency Drive	14,351.79	1,630.10
		For 6-Pulse Drive Package, Deduct	*-6,100.44*	
26 29 23 00-0016	EA	60 HP, 208/230 Volt Variable Frequency Drive	17,304.71	1,928.37
		For 6-Pulse Drive Package, Deduct	*-7,396.39*	
26 29 23 00-0017	EA	75 HP, 208/230 Volt Variable Frequency Drive	19,603.51	1,928.37
		For 6-Pulse Drive Package, Deduct	*-8,660.73*	
26 29 23 00-0018		460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives *(26 29 23)* Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0019	EA	3 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,105.87	771.37
		For 6-Pulse Drive Package, Deduct	*-1,959.73*	
26 29 23 00-0020	EA	5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,278.28	771.37
		For 6-Pulse Drive Package, Deduct	*-2,054.55*	
26 29 23 00-0021	EA	7.5 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,774.78	919.10
		For 6-Pulse Drive Package, Deduct	*-2,165.19*	
26 29 23 00-0022	EA	10 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	5,803.51	919.10
		For 6-Pulse Drive Package, Deduct	*-2,180.99*	
26 29 23 00-0023	EA	15 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	7,786.66	1,393.38
		For 6-Pulse Drive Package, Deduct	*-2,749.94*	
26 29 23 00-0024	EA	20 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	8,188.95	1,393.38
		For 6-Pulse Drive Package, Deduct	*-2,971.20*	
26 29 23 00-0025	EA	25 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	9,854.30	1,838.19
		For 6-Pulse Drive Package, Deduct	*-3,397.91*	
26 29 23 00-0026	EA	30 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	11,291.06	1,838.19
		For 6-Pulse Drive Package, Deduct	*-4,188.13*	
26 29 23 00-0027	EA	40 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	12,785.28	1,838.19
		For 6-Pulse Drive Package, Deduct	*-5,009.95*	
26 29 23 00-0028	EA	50 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	16,738.48	2,334.95
		For 6-Pulse Drive Package, Deduct	*-6,637.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 23 00-0029	EA	60 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	22,319.14	2,768.96
		For 6-Pulse Drive Package, Deduct	*-9,229.68*	
26 29 23 00-0030	EA	75 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	23,698.42	2,768.96
		For 6-Pulse Drive Package, Deduct	*-9,988.29*	
26 29 23 00-0031	EA	100 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	27,434.73	3,085.47
		For 6-Pulse Drive Package, Deduct	*-11,695.15*	
26 29 23 00-0032	EA	125 HP, 460/480 Volt Variable Frequency Drive Note: Wall mounted.	28,928.95	3,085.47
		For 6-Pulse Drive Package, Deduct	*-12,516.97*	
26 29 23 00-0033	EA	150 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	32,032.33	3,085.47
		For 6-Pulse Drive Package, Deduct	*-14,223.83*	
26 29 23 00-0034	EA	200 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	36,987.17	3,723.80
		For 6-Pulse Drive Package, Deduct	*-16,246.77*	
26 29 23 00-0035	EA	250 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	46,266.49	3,889.99
		For 6-Pulse Drive Package, Deduct	*-21,167.58*	
26 29 23 00-0036	EA	300 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	54,259.60	4,463.63
		For 6-Pulse Drive Package, Deduct	*-24,932.79*	
26 29 23 00-0037	EA	350 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	62,415.32	4,840.94
		For 6-Pulse Drive Package, Deduct	*-29,003.33*	
26 29 23 00-0038	EA	400 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	72,329.98	5,227.22
		For 6-Pulse Drive Package, Deduct	*-34,031.61*	
26 29 23 00-0039	EA	450 HP, 460/480 Volt Variable Frequency Drive Note: Floor mounted.	77,954.78	5,668.36
		For 6-Pulse Drive Package, Deduct	*-36,639.94*	

26 29 33 Controllers for Fire Pump Drivers *(26 29)*

26 29 33 13 Full-Service Controllers for Fire Pump Electric-Motor Drivers *(26 29 33)*

26 29 33 13-0001 Electric Controllers For Fire Pumps *(26 29 33 13)*

26 29 33 13-0002 Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller *(26 29 33 13-0001)*

26 29 33 13-0003	EA	30 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	23,626.78	219.43
26 29 33 13-0004	EA	40 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	26,749.66	243.81
26 29 33 13-0005	EA	50 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	28,044.85	268.19
26 29 33 13-0006	EA	75 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	31,978.98	292.58
26 29 33 13-0007	EA	150 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	33,786.07	341.34
26 29 33 13-0008	EA	175 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	36,001.52	438.86
26 29 33 13-0009	EA	200 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	39,020.84	487.63
26 29 33 13-0010	EA	250 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	44,627.99	555.89
26 29 33 13-0011	EA	300 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	53,792.00	599.78
26 29 33 13-0012	EA	350 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	63,220.53	682.67
26 29 33 13-0013	EA	400 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	75,440.42	731.44
26 29 33 13-0014	EA	500 HP Wye-Delta (Star-Delta), Closed Transition Electric Fire Pump Controller With Automatic Transfer Switch	85,173.67	780.21

26 29 33 19 Controllers for Fire Pump Diesel Engine Drivers *(26 29 33)*

See CSI section 26 29 33 13-0000 for controllers for fire pump diesel engine drivers.

26 30 Facility Electrical Power Generating and Storing Equipment *(26)*

26 31 Photovoltaic Collectors *(26 30)*

26 31 00 00-0001 Rigid Photovoltaic Modules *(26 31)*

26 31 00 00-0002 Sanyo Rigid Photovoltaic Modules *(26 31 00 00-0001)*

26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6)	2,212.57	96.94
		For >25 To 50, Deduct	*-161.10*	
		For >50 To 100, Deduct	*-216.41*	
		For >100, Deduct	*-322.19*	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6)	2,321.99	96.94
		For >25 To 50, Deduct	*-169.30*	
		For >50 To 100, Deduct	*-227.35*	
		For >100, Deduct	*-338.60*	
26 31 00 00-0005	EA	215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6)	2,169.64	96.94
		For >25 To 50, Deduct	*-157.88*	
		For >50 To 100, Deduct	*-212.12*	
		For >100, Deduct	*-315.75*	

26 31 00 00-0006 Sharp Rigid Photovoltaic Modules *(26 31 00 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0007	EA	224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1)	1,719.84	96.94
		For >25 To 50, Deduct	*-124.14*	
		For >50 To 100, Deduct	*-167.14*	
		For >100, Deduct	*-248.28*	
26 31 00 00-0008	EA	230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3)	1,964.09	96.94
		For >25 To 50, Deduct	*-142.46*	
		For >50 To 100, Deduct	*-191.56*	
		For >100, Deduct	*-284.92*	
26 31 00 00-0009	EA	235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1)	2,002.78	96.94
		For >25 To 50, Deduct	*-145.36*	
		For >50 To 100, Deduct	*-195.43*	
		For >100, Deduct	*-290.72*	
26 31 00 00-0010	EA	240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1)	1,881.86	96.94
		For >25 To 50, Deduct	*-136.29*	
		For >50 To 100, Deduct	*-183.34*	
		For >100, Deduct	*-272.58*	

26 31 00 00-0011 BP Solar Rigid Photovoltaic Modules *(26 31 00 00-0001)*

Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.

26 31 00 00-0012	EA	50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J)	820.11	96.94
		For >25 To 50, Deduct	*-56.66*	
		For >50 To 100, Deduct	*-77.16*	
		For >100, Deduct	*-113.32*	
26 31 00 00-0013	EA	75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J)	1,025.66	96.94
		For >25 To 50, Deduct	*-72.08*	
		For >50 To 100, Deduct	*-97.72*	
		For >100, Deduct	*-144.15*	
26 31 00 00-0014	EA	80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J)	1,107.89	96.94
		For >25 To 50, Deduct	*-78.24*	
		For >50 To 100, Deduct	*-105.94*	
		For >100, Deduct	*-156.49*	

26 31 00 00-0015 Photovoltaic Inverters *(26 31)*

26 31 00 00-0016 Fronius Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0017	EA	3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1)	5,345.63	102.05
26 31 00 00-0018	EA	5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1)	7,069.76	102.05
26 31 00 00-0019	EA	6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1)	7,465.87	102.05
26 31 00 00-0020	EA	7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1)	8,354.60	102.05
26 31 00 00-0021	EA	10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1)	13,263.44	102.05
26 31 00 00-0022	EA	12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1)	15,427.30	102.05
26 31 00 00-0023	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta)	12,494.46	204.10
26 31 00 00-0024	EA	11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3)	15,844.07	204.10
26 31 00 00-0025	EA	Inverter Display Stand (Fronius 4,045,894)	444.72	51.02

26 31 00 00-0026 SMA Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0027	EA	4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22)	3,954.83	102.05
26 31 00 00-0028	EA	5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22)	4,758.77	102.05
26 31 00 00-0029	EA	6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22)	5,508.00	102.05
26 31 00 00-0030	EA	7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22)	6,079.97	102.05
26 31 00 00-0031	EA	8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12)	5,887.30	102.05

26 31 00 00-0032 PVPowered Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0033	EA	120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100)	4,908.01	102.05
26 31 00 00-0034	EA	240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000)	5,135.76	102.05
26 31 00 00-0035	EA	240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500)	5,680.44	102.05
26 31 00 00-0036	EA	240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500)	6,731.64	127.55
26 31 00 00-0037	EA	208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600)	8,208.68	153.07
26 31 00 00-0038	EA	240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200)	8,739.48	153.07
26 31 00 00-0039	EA	240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800)	8,278.02	153.07
26 31 00 00-0040	EA	208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	104,767.41	816.37
26 31 00 00-0041	EA	480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW)	104,906.69	816.37
26 31 00 00-0042	EA	208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	113,556.78	816.37
26 31 00 00-0043	EA	480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW)	105,239.07	816.37

26 31 00 00-0044 Solectria Photovoltaic Inverters *(26 31 00 00-0015)*

26 31 00 00-0045	EA	208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI)	16,432.92	204.10
26 31 00 00-0046	EA	208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI)	16,432.92	204.10
26 31 00 00-0047	EA	208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI)	16,916.88	204.10
26 31 00 00-0048	EA	480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI)	16,916.88	204.10
26 31 00 00-0049	EA	208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	51,503.51	612.28
26 31 00 00-0050	EA	480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI)	49,083.67	612.28
26 31 00 00-0051	EA	208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	56,343.20	612.28
26 31 00 00-0052	EA	480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI)	54,998.84	612.28
26 31 00 00-0053	EA	208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	59,838.53	612.28
26 31 00 00-0054	EA	480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI)	57,149.81	612.28
26 31 00 00-0055	EA	208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	62,935.43	816.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0056	EA	480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI)	59,977.84	816.37
26 31 00 00-0057	EA	208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	65,355.27	816.37
26 31 00 00-0058	EA	480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI)	61,859.94	816.37
26 31 00 00-0059		**Xantrex Photovoltaic Inverters** *(26 31 00 00-0015)*		
26 31 00 00-0060	EA	0.6 KW Photovoltaic Inverter (Xantrex 806-1206)	677.96	25.51
26 31 00 00-0061	EA	1 KW Photovoltaic Inverter (Xantrex 806-1210)	740.24	25.51
26 31 00 00-0062	EA	2 KW Photovoltaic Inverter (Xantrex 806-1220)	1,197.87	25.51
26 31 00 00-0063		**Photovoltaic DC-DC Converters** *(26 31)*		
26 31 00 00-0064	EA	15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) Note: Hazardous locations.	386.07	38.27
26 31 00 00-0065	EA	20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23)	250.65	38.27
26 31 00 00-0066	EA	60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60)	734.31	38.27
26 31 00 00-0067		**Photovoltaic Combiner Boxes** *(26 31)*		
26 31 00 00-0068		**Midnight Solar Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0069	EA	3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3)	432.45	102.05
26 31 00 00-0070	EA	6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6)	419.91	102.05
26 31 00 00-0071	EA	12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12)	673.11	153.07
26 31 00 00-0072	EA	6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250)	677.50	153.07
26 31 00 00-0073	EA	16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16)	1,084.31	153.07
26 31 00 00-0074		**SMA Photovoltaic Combiner Boxes** *(26 31 00 00-0067)*		
26 31 00 00-0075	EA	6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCB-6)	1,024.37	102.05
26 31 00 00-0076	EA	12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-12)	1,238.09	102.05
26 31 00 00-0077	EA	28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-28)	2,394.48	204.10
26 31 00 00-0078	EA	52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SCCB-52)	5,648.48	204.10
26 31 00 00-0079	EA	4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch)	908.71	102.05
26 31 00 00-0080		**Photovoltaic Charge Controller** *(26 31)*		
26 31 00 00-0081	EA	35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35)	303.85	38.27
26 31 00 00-0082	EA	40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40)	412.67	38.27
26 31 00 00-0083	EA	60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60)	485.22	38.27
26 31 00 00-0084	EA	Remote Digital Meter For Xantrex C-35, 40 And 60	366.73	38.27
26 31 00 00-0085	EA	MPPT Charge Controller (Xantrex XW SCC)	1,315.92	51.02
26 31 00 00-0086		**Photovoltaic Batteries** *(26 31)*		
26 31 00 00-0087		**Concorde Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0088	EA	34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T)	291.54	15.31
26 31 00 00-0089	EA	45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T)	366.98	20.41
26 31 00 00-0090	EA	49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T)	398.61	20.41
26 31 00 00-0091	EA	56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T)	452.62	30.61
26 31 00 00-0092	EA	69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T)	517.85	30.61
26 31 00 00-0093	EA	89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T)	615.03	35.71
26 31 00 00-0094	EA	104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T)	705.43	40.82
26 31 00 00-0095	EA	108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T)	696.99	40.82
26 31 00 00-0096	EA	210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T)	1,292.86	48.47
26 31 00 00-0097	EA	255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T)	1,498.01	51.02
26 31 00 00-0098		**Deka Photovoltaic Batteries** *(26 31 00 00-0086)*		
26 31 00 00-0099	EA	31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1)	300.20	25.56
26 31 00 00-0100	EA	50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF)	418.70	25.56
26 31 00 00-0101	EA	74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24)	624.26	25.56
26 31 00 00-0102	EA	86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27)	716.15	25.56
26 31 00 00-0103	EA	98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31)	718.57	25.56
26 31 00 00-0104	EA	183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D)	1,405.37	25.56
26 31 00 00-0105	EA	225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D)	1,627.85	25.56
26 31 00 00-0106		**Battery Enclosures** *(26 31 00 00-0086)*		
26 31 00 00-0107	EA	14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010)	341.22	25.51
26 31 00 00-0108	EA	22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC)	1,727.00	25.56
26 31 00 00-0109	EA	37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL)	1,623.02	25.56
26 31 00 00-0110	EA	37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC)	2,167.13	25.56
26 31 00 00-0111	EA	15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1)	957.98	25.56
26 31 00 00-0112	EA	31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP)	2,271.12	25.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0113		**Photovoltaic System Monitoring** *(26 31)*		
26 31 00 00-0114	EA	Solar Inverter Monitor (Xantrex 864-0203)	721.62	51.02
26 31 00 00-0115	EA	Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox)	1,536.46	25.51
26 31 00 00-0116	EA	Sun Radiation And Temperature Monitor (SMA Sunny SensorBox)	1,281.40	25.51
26 31 00 00-0117	EA	PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA)	224.70	25.51
26 31 00 00-0118	EA	Wind Sensor Accessory For Sunny SensorBox (SMA)	562.21	51.02
26 31 00 00-0119	EA	Sunny Boy Control with RS485 (SMA)	1,511.07	25.51
26 31 00 00-0120	EA	RS 485 Module (SMA)	332.49	25.51
26 31 00 00-0121	EA	RS 232 Module (SMA)	341.22	25.51
26 31 00 00-0122	EA	Wireless Monitor with Bluetooth (SMA Sunny Beam)	638.21	
26 31 00 00-0123	EA	Bluetooth Piggy-Back Computer Card (SMA)	345.92	25.51
26 31 00 00-0124	EA	RS485-N Communication Computer Card (SMA)	343.49	25.51
26 31 00 00-0125	EA	Bluetooth Repeater (SMA)	661.55	25.51
26 31 00 00-0126	EA	Sunny Boy PC Service Cable (SMA)	316.84	7.65
26 31 00 00-0127	EA	Integrated Revenue Grade Meter, Option (PVPowered)	6,202.94	
26 31 00 00-0128	EA	Data Monitoring Module (PVPowered PVM1010)	660.13	25.51
26 31 00 00-0129	EA	Wireless IG Personal Display (Fronius 4,240,108)	648.82	
26 31 00 00-0130	EA	DatCom Power Supply (Fronius 43,0001,2311)	213.87	
26 31 00 00-0131	EA	Wireless Card For IG Personal Display (Fronius 4,240,008,Z)	387.11	25.51
26 31 00 00-0132	EA	Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z)	325.20	25.51
26 31 00 00-0133	EA	Datalogger Pro Box (Fronius 4,240,102)	1,321.31	25.51
26 31 00 00-0134	EA	Datalogger Easy Box (Fronius 4,240,103)	854.22	25.51
26 31 00 00-0135	EA	Datalogger Interface Box (Fronius 4,240,105)	1,493.68	25.51
26 31 00 00-0136	EA	Datalogger Web (Fronius 4,240,122)	2,577.54	25.51
26 31 00 00-0137	EA	Interface Box (Fronius 4,240,109)	681.48	25.51
26 31 00 00-0138	EA	Interface Card (Fronius 4,240,009,Z)	481.92	25.51
26 31 00 00-0139	EA	Interface Card Easy (Fronius 4,240,013,Z)	312.64	25.51
26 31 00 00-0140	EA	Sensor Box (Fronius 4,240,104)	1,380.65	25.51
26 31 00 00-0141	EA	Ambient Temperature Sensor (Fronius 43,0001,1188)	139.66	25.51
26 31 00 00-0142	EA	Irradiance Sensor (Fronius 43,0001,1188)	469.64	25.51
26 31 00 00-0143	EA	Module Temperature Sensor (Fronius 43,0001,1190)	524.76	25.51
26 31 00 00-0144	EA	Wind Speed Sensor (Fronius 42,0411,0027)	255.44	51.02
26 31 00 00-0145		**Photovoltaic System Accessories** *(26 31)*		
26 31 00 00-0146	EA	Four Inverter Bypass Switch (OutBack AC-IOB-100Q)	999.80	51.02
26 31 00 00-0147	EA	Line Communication Filter (Enphase LCF)	2,184.69	102.05
26 31 00 00-0148	EA	15 Meter RS 485 Communication Cable (SMA)	167.66	7.65
26 31 00 00-0149	EA	15 Meter RS 232 Communication Cable (SMA)	254.72	7.65
26 31 00 00-0150	EA	24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	37.36	2.53
26 31 00 00-0151	EA	36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	40.28	2.53
26 31 00 00-0152	EA	48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	41.93	2.53
26 31 00 00-0153	EA	72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	46.50	2.53
26 31 00 00-0154	EA	120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	53.36	2.53
26 31 00 00-0155	EA	240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	83.87	5.05
26 31 00 00-0156	EA	360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	105.15	5.05
26 31 00 00-0157	EA	420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect	137.22	7.58
26 31 00 00-0158	EA	36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	47.64	2.53
26 31 00 00-0159	EA	120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	67.07	2.53
26 31 00 00-0160	EA	240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	97.58	5.05
26 31 00 00-0161	EA	360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	131.86	5.05
26 31 00 00-0162	EA	600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	212.29	10.11
26 31 00 00-0163	EA	1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect	221.97	10.11
26 31 00 00-0164	EA	Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery Note: Tamper proof enclosure.	3,954.17	275.52
26 31 00 00-0165		**Photovoltaic Mounting Systems** *(26 31)*		
26 31 00 00-0166	LF	Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard)	12.61	2.55
26 31 00 00-0167	EA	Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229)	33.09	12.75
26 31 00 00-0168	EA	Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216)	43.86	12.75
26 31 00 00-0169	EA	8" x 3/8" Hanger Bolt (UNIRAC 310046) Note: Supports mounting rail above tile or metal roof.	24.09	5.10
26 31 00 00-0170	EA	Mounting Rail Grounding Clip (UNIRAC 980006) Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.	10.66	3.83
26 31 00 00-0171	EA	Mounting Rail Grounding Lugs (UNIRAC 980012) Note: Two grounding lugs for each rail splice and one additional lug for each rail.	24.59	5.10
26 31 00 00-0172	EA	Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) Note: Four for each row of modules you plan to mount.	6.41	1.70
26 31 00 00-0173	EA	Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.	6.76	1.70
26 31 00 00-0174	EA	Photovoltaic Module Mount L-Feet (UNIRAC 310065)	16.24	5.10
26 31 00 00-0175	EA	12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	99.43	25.51
26 31 00 00-0176	EA	30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	111.62	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0177	EA	44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123) Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.	121.44	25.51
26 31 00 00-0178	EA	12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	145.60	38.27
26 31 00 00-0179	EA	44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	182.16	38.27
26 31 00 00-0180	EA	72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109) Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	215.34	38.27
26 31 00 00-0181	EA	18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	232.06	51.02
26 31 00 00-0182	EA	64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	319.41	51.02
26 31 00 00-0183	EA	104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110) Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.	446.26	76.53
26 31 00 00-0184	EA	Ballasted Photovoltaic Module Frame (UNIRAC 310351) Note: Excludes ballast.	217.37	
26 31 00 00-0185	EA	Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355) Note: Excludes ballast.	409.23	
26 31 00 00-0186	EA	3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051)	75.09	25.51
26 31 00 00-0187	EA	4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052)	76.21	25.51
26 31 00 00-0188	EA	6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053)	77.23	25.51
26 31 00 00-0189	EA	7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054)	79.80	25.51
26 31 00 00-0190	EA	3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553)	68.29	25.51
26 31 00 00-0191	EA	4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554)	69.58	25.51
26 31 00 00-0192	EA	6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555)	73.37	25.51
26 31 00 00-0193	EA	7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556)	72.29	25.51
26 31 00 00-0194	EA	3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390)	150.34	38.27
26 31 00 00-0195	EA	4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391)	151.12	38.27
26 31 00 00-0196	EA	7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394)	153.42	38.27
26 31 00 00-0197	EA	Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370)	151.01	38.27
26 31 00 00-0198	EA	Photovoltaic Module Standoff Flashing (UNIRAC 990103)	31.48	5.10
26 31 00 00-0199	EA	Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161)	19.72	5.10
26 31 00 00-0200	EA	1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100)	38.60	7.65
26 31 00 00-0201	EA	3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100)	40.36	7.65
26 31 00 00-0202	EA	Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100) Note: Mid or end clamp.	11.53	1.70
26 31 00 00-0203	EA	Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024)	54.11	5.10
26 31 00 00-0204	EA	Photovoltaic Module Wire Clip (UNIRAC 908002S-0100)	2.44	

26 32 Packaged Generator Assemblies *(26 30)*

26 32 13 Engine Generators *(26 32)*

See CSI section 23 13 23 13-0001 for fuel storage tanks.

26 32 13 13 Diesel-Engine-Driven Generator Sets *(26 32 13)*

See CSI section 01 22 23 00-0777 for fuel reimbursment for commissioning.

26 32 13 13-0001 Diesel Generator Sets (Cummins) *(26 32 13 13)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0756 for loadbank rental, 01 22 23 00-0777 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002	EA	20 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	33,662.34	921.69
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Single Phase, Add	*1,292.65*	
26 32 13 13-0003	EA	25 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	35,404.86	973.54
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
26 32 13 13-0004	EA	30 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	37,155.71	1,028.26
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
		For Single Phase, Add	*1,425.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0005	EA	35 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	37,872.81	1,134.83
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	38,601.53	1,244.28
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	45,366.04	1,428.62
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	48,897.29	1,641.76
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	57,494.72	1,924.03
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*18,944.48*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*25,259.31*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*5,129.38*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*13,060.29*	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	61,804.87	2,235.10
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	63,111.41	2,649.86
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	69,777.75	2,920.61
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	73,344.60	3,260.48
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	78,003.78	3,571.55
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	84,220.19	3,773.17
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*16,756.59*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*7,780.18*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*26,859.84*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*20,144.88*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*24,606.17*	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	87,832.70	3,928.71
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	95,690.25	4,141.84
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	97,719.55	4,326.19
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
26 32 13 13-0019	EA	350 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	110,364.39	4,838.88
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
26 32 13 13-0020	EA	400 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	118,893.49	5,299.73
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
26 32 13 13-0021	EA	450 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	134,502.64	5,708.73
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
26 32 13 13-0022	EA	500 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	141,536.66	6,083.16
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*50,456.40*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*68,293.77*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*55,869.88*	
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*91,058.36*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*74,493.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*61,196.04*	
26 32 13 13-0023	EA	600 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	206,822.48	6,699.54
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
26 32 13 13-0024	EA	750 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	237,006.75	7,367.77
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
26 32 13 13-0025	EA	800 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	247,569.22	7,529.06
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
26 32 13 13-0026	EA	900 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	302,464.78	8,116.64
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	
26 32 13 13-0027	EA	1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	337,798.91	8,640.85
		For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	*192,803.73*	
		For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	*144,602.80*	
		For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	*124,124.18*	
		For Weather Resistant Steel Diesel Generator Enclosure, Add	*103,073.17*	
		For Weather Resistant Aluminum Diesel Generator Enclosure, Add	*121,234.12*	
		For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	*165,498.90*	

26 32 13 13-0028 Diesel Particulate Filters *(26 32 13 13)*

26 32 13 13-0029	EA	Up To 50 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	36,871.89
26 32 13 13-0030	EA	>50 To 75 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	48,225.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0031	EA	>75 To 100 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	58,439.46	
26 32 13 13-0032	EA	>100 To 200 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	71,699.17	
26 32 13 13-0033	EA	>200 To 500 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	84,282.59	
26 32 13 13-0034	EA	>500 To 1,000 KW Diesel Generator, Active Diesel Particulate Filter With Stainless Steel Enclosure Note: Includes 304 stainless steel housing, CARB Level 3+ Verified, and 4KW rated. Requires 480 volt, 3 phase power to a supplied 20 amp CB.	105,300.34	

26 32 13 19 Natural Gas-Engine-Driven Generator Sets *(26 32 13)*

26 32 13 19-0001 Natural Gas Or Propane Generator Sets (Cummins) *(26 32 13 19)*

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0756 for loadbank rental, 01 22 23 00-0777 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.

26 32 13 19-0002	EA	20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA)	14,944.09	771.92
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*6,287.32*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0003	EA	25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB)	16,889.90	921.69
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*6,287.32*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0004	EA	29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC)	19,538.48	1,025.38
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*5,052.81*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*6,287.32*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*8,383.09*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0005	EA	35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA)	22,200.35	1,134.83
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0006	EA	40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB)	24,948.58	1,244.28
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0007	EA	45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC)	27,056.86	1,342.21
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0008	EA	60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE)	29,568.38	1,641.76
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0009	EA	70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF)	31,719.18	1,837.62
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*14,292.39*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*12,070.42*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*16,093.89*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*4,665.25*	
26 32 13 19-0010	EA	85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG)	41,829.10	1,964.35
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0011	EA	100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH)	50,488.87	2,212.06
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
26 32 13 19-0012	EA	125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLA)	57,770.45	2,649.86
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
26 32 13 19-0013	EA	150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGLB)	68,776.50	2,920.61
		For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add	*16,756.59*	
		For Quietsite Level 1 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*17,991.69*	
		For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add	*23,988.92*	
		For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add	*8,502.70*	
		For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add	*18,454.63*	
		For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add	*24,606.17*	
26 32 13 19-0014	EA	175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA)	111,835.77	7,768.59
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*55,835.78*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
26 32 13 19-0015	EA	205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB)	127,050.57	3,508.19
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*55,835.78*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
26 32 13 19-0016	EA	250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC)	136,592.98	3,928.71
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*55,835.78*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
26 32 13 19-0017	EA	300 KW Natural Gas Generator Set, 3 Phase (Cummins GFEA)	176,948.12	4,326.19
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*55,835.78*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
26 32 13 19-0018	EA	350 KW Natural Gas Generator Set, 3 Phase (Cummins GFEB)	189,891.53	4,838.88
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*49,611.87*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*55,835.78*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*74,447.71*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*50,228.52*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*45,374.87*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*66,971.36*	
26 32 13 19-0019	EA	450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)	267,207.71	5,708.73
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*119,288.48*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
26 32 13 19-0020	EA	500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)	342,047.99	6,083.16
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*119,288.48*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
26 32 13 19-0021	EA	550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)	382,904.90	6,411.52
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*119,288.48*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
26 32 13 19-0022	EA	600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)	436,375.34	6,699.54
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*119,288.48*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0023	EA	650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)	456,308.22	6,953.01
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*119,288.48*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	
26 32 13 19-0024	EA	725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)	482,641.72	7,431.14
		For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add	*112,535.23*	
		For Quietsite Level 1 Aluminum Natural Gas Generator Enclosure, Add	*119,288.48*	
		For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	*159,051.30*	
		For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add	*105,269.42*	
		For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add	*140,359.22*	
		For Weather Resistant Steel Natural Gas Generator Enclosure, Add	*99,077.80*	

26 32 13 19-0025 Small Natural Gas Or Propane Air-Cooled Generator Sets *(26 32 13 19)*

26 32 13 19-0026	EA	7.5 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,000.41	474.09
26 32 13 19-0027	EA	10 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,341.32	526.77
26 32 13 19-0028	EA	14 KW Natural Gas Or Propane Air-Cooled Generator Set Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,327.98	579.45

26 32 29 Rotary Converters *(26 32)*

26 32 29 00-0001 60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output *(26 32 29)*

26 32 29 00-0002	EA	3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	10,029.26	204.10
26 32 29 00-0003	EA	5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	12,242.35	204.10
26 32 29 00-0004	EA	7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,256.50	204.10
26 32 29 00-0005	EA	10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,385.32	204.10
26 32 29 00-0006	EA	15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,171.90	255.12
26 32 29 00-0007	EA	20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	19,692.50	255.12
26 32 29 00-0008	EA	25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,627.58	255.12
26 32 29 00-0009	EA	40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,101.66	336.75
26 32 29 00-0010	EA	50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	27,920.71	336.75

26 32 29 00-0011 60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output *(26 32 29)*

26 32 29 00-0012	EA	3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	11,631.42	204.10
26 32 29 00-0013	EA	5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	13,893.06	204.10
26 32 29 00-0014	EA	7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	15,907.90	204.10
26 32 29 00-0015	EA	10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	16,352.63	204.10
26 32 29 00-0016	EA	15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	18,508.36	255.12
26 32 29 00-0017	EA	20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	20,369.78	255.12
26 32 29 00-0018	EA	25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	21,047.06	255.12
26 32 29 00-0019	EA	40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	25,001.16	336.75
26 32 29 00-0020	EA	50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion	26,534.87	336.75

26 32 29 00-0021 460 Volt 3 Phase AC Motor Drive 250 Volt DC *(26 32 29)*

26 32 29 00-0022	EA	33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	27,605.22	4,032.40
26 32 29 00-0023	EA	40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	30,435.58	4,032.40
26 32 29 00-0024	EA	50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	34,524.90	5,760.57
26 32 29 00-0025	EA	65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	40,497.48	5,760.57
26 32 29 00-0026	EA	85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	46,137.41	5,760.57
26 32 29 00-0027	EA	100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	53,893.22	8,640.85
26 32 29 00-0028	EA	125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion	64,997.70	8,640.85

26 32 29 00-0029 4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC *(26 32 29)*

26 32 29 00-0030	EA	170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	96,772.04	11,521.14
26 32 29 00-0031	EA	200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	105,373.18	11,521.14
26 32 29 00-0032	EA	240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	126,869.06	14,977.48
26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	144,085.28	18,203.39
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	171,061.99	18,203.39
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	243,082.92	27,189.88
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	250,804.04	27,189.88
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion	289,288.08	31,683.13

26 33 Battery Equipment *(26 30)*

26 33 13 Batteries *(26 33)*

26 33 13 00-0001 Standby Batteries *(26 33 13)*

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery	1,228.23	25.56
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket	1,327.98	25.56
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery	358.25	25.56
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery	324.47	25.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery	565.33	25.56
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery	658.66	25.56

26 33 43 Battery Chargers *(26 33)*

26 33 43 00-0001 Solid State Chargers, Single Phase *(26 33 43)*

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,248.98	582.63
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt	3,819.23	582.63
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,208.92	582.63
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt	4,440.03	689.83

26 33 53 Static Uninterruptible Power Supply *(26 33)*

26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*

26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53 00-0001)*

26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 kVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) Note: Includes 12 minutes of battery backup at full load.	1,042.73	101.03
26 33 53 00-0005	EA	0.7 kVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) Note: Includes 6 minutes of battery backup at full load.	1,246.40	117.86
26 33 53 00-0006	EA	1 kVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) Note: Includes 5 minutes of battery backup at full load.	1,539.54	134.70
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) Note: Includes 5 minutes of battery backup at full load.	1,884.68	151.54
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) Note: Includes 4 minutes of battery backup at full load.	2,426.41	168.37
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) Note: Includes 4 minutes of battery backup at full load.	3,929.06	202.05

26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) Note: Includes 4 minutes of battery backup at full load.	3,855.58	202.05

26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) Note: Includes 5 minutes of battery backup at full load.	5,960.58	269.41
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) Note: Includes 4 minutes of battery backup at full load.	6,515.76	303.08
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) Note: Includes 7 minutes of battery backup at full load.	9,768.31	370.43
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) Note: Includes 4-1/2 minutes of battery backup at full load.	11,235.44	404.10

26 33 53 00-0017 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) *(26 33 53 00-0002)*

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0018	EA	0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230) Note: Includes 11 minutes of battery backup at full load.	1,246.40	117.86
26 33 53 00-0019	EA	1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230) Note: Includes 6 minutes of battery backup at full load.	1,539.54	134.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0020	EA	1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230) Note: Includes 4 minutes of battery backup at full load.	1,906.39	151.54
26 33 53 00-0021	EA	2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230) Note: Includes 4 minutes of battery backup at full load.	2,431.64	168.37
26 33 53 00-0022	EA	3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230) Note: Includes 4 minutes of battery backup at full load.	3,945.37	202.05
26 33 53 00-0023	EA	5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230) Note: Includes 9 minutes of battery backup at full load.	5,715.20	269.41
26 33 53 00-0024	EA	6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230) Note: Includes 6 minutes of battery backup at full load.	7,025.93	303.08
26 33 53 00-0025	EA	10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230) Note: Includes 3 minutes of battery backup at full load.	10,884.66	404.10
26 33 53 00-0026		Optional Accessories For Single Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0001)*		
26 33 53 00-0027	EA	External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT) Note: Rack mount or tower configuration.	705.98	30.61
26 33 53 00-0028	EA	External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT) Note: Rack mount or tower configuration.	926.71	30.61
26 33 53 00-0029	EA	External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT) Note: Rack mount or tower configuration.	902.14	30.61
26 33 53 00-0030	EA	External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT) Note: Rack mount or tower configuration.	610.90	30.61
26 33 53 00-0031	EA	Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT)	881.28	101.03
26 33 53 00-0032	EA	Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT)	983.32	134.70
26 33 53 00-0033		Three Phase, Uninterruptible Power Supply Systems (UPS) *(26 33 53)*		
26 33 53 00-0034		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery *(26 33 53 00-0033)* Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA	10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	42,808.79	404.10
26 33 53 00-0036	EA	15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	47,335.23	538.80
26 33 53 00-0037	EA	20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	52,866.10	673.51
26 33 53 00-0038	EA	30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	57,292.08	808.21
26 33 53 00-0039	EA	40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS)	68,950.11	942.91
26 33 53 00-0040		208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)* Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA	60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	93,385.47	1,607.23
26 33 53 00-0042	EA	80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	101,319.13	1,989.90
26 33 53 00-0043	EA	100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	111,982.32	2,321.56
26 33 53 00-0044	EA	120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	138,507.81	2,627.70
26 33 53 00-0045	EA	140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	143,646.52	2,933.83
26 33 53 00-0046	EA	160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	149,373.47	3,239.98
26 33 53 00-0047	EA	180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	156,305.78	3,546.11
26 33 53 00-0048	EA	200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	163,238.09	3,852.25
26 33 53 00-0049		480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery *(26 33 53 00-0033)* Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	87,224.80	1,326.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	112,584.99	2,331.76
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	154,210.74	2,694.02
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	181,841.12	2,959.35
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS)	212,886.63	3,265.48

26 33 53 00-0055 Optional Accessories For Three Phase, Uninterruptible Power Supply Systems *(26 33 53 00-0033)*

26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems	624.82	51.02
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems	1,012.08	51.02
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems	1,920.91	102.05
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems	5,940.78	408.18
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR)	649.56	51.02
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200)	351.54	51.02
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250)	395.03	51.02
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300)	438.52	51.02
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350)	516.79	51.02
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400)	542.89	51.02
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500)	677.70	51.02
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540)	710.32	51.02

26 33 53 00-0068 Other Uninterruptable Power Supply Equipment *(26 33 53)*

26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In	6,378.35	93.22
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In	7,632.36	186.44
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	30.40	5.60
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel	56.68	6.99
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel	110.06	6.99
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel	161.70	9.32
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel	232.16	9.32
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel	4,349.96	93.22
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board	1,420.89	69.91

26 35 Power Filters and Conditioners *(26 30)*

26 35 33 Power Factor Correction Equipment *(26 35)*

26 35 33 16 Low-Voltage Power Factor Correction Equipment *(26 35 33)*

26 35 33 16-0001 Power Factor Correction Capacitors *(26 35 33 16)*

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC	889.52
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC	985.17
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC	1,080.81
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC	1,172.64
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC	1,440.45
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC	1,759.91
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC	2,718.30
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC	3,301.74
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC	4,265.87
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC	4,851.23
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC	8,512.61
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC	12,799.52
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC	17,067.31
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit	791.96

26 35 43 Static-Frequency Converters *(26 35)*

26 35 43 00-0001 Rotary Phase Converter With NEMA 1 Indoor Enclosure *(26 35 43)*

26 35 43 00-0002	EA	750 Watt Output Rotary Phase Converter With NEMA 1 Enclosure	692.80	102.05
26 35 43 00-0003	EA	2 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,224.76	122.45
26 35 43 00-0004	EA	3 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,401.67	163.28
26 35 43 00-0005	EA	5 KW Output Rotary Phase Converter With NEMA 1 Enclosure	1,930.49	204.10
26 35 43 00-0006	EA	7 KW Output Rotary Phase Converter With NEMA 1 Enclosure	2,666.99	265.32
26 35 43 00-0007	EA	11 KW Output Rotary Phase Converter With NEMA 1 Enclosure	3,454.65	326.55
26 35 43 00-0008	EA	15 KW Output Rotary Phase Converter With NEMA 1 Enclosure	4,344.67	387.78
26 35 43 00-0009	EA	21 KW Output Rotary Phase Converter With NEMA 1 Enclosure	5,316.59	438.80
26 35 43 00-0010	EA	29 KW Output Rotary Phase Converter With NEMA 1 Enclosure	6,165.49	530.64
26 35 43 00-0011	EA	36 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,065.70	596.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 35 43 00-0012	EA	44 KW Output Rotary Phase Converter With NEMA 1 Enclosure	7,965.91	663.30
26 35 43 00-0013	EA	55 KW Output Rotary Phase Converter With NEMA 1 Enclosure	9,904.46	801.06
26 35 43 00-0014	EA	74 KW Output Rotary Phase Converter With NEMA 1 Enclosure	12,917.44	964.34
26 35 43 00-0015	EA	87 KW Output Rotary Phase Converter With NEMA 1 Enclosure	16,406.02	1,173.53
26 35 43 00-0016	EA	110 KW Output Rotary Phase Converter With NEMA 1 Enclosure	18,748.47	1,372.52
26 35 43 00-0017	EA	125 KW Output Rotary Phase Converter With NEMA 1 Enclosure	24,284.17	1,530.70
26 35 43 00-0018	EA	165 KW Output Rotary Phase Converter With NEMA 1 Enclosure	37,484.86	1,734.78
26 35 43 00-0019	EA	220 KW Output Rotary Phase Converter With NEMA 1 Enclosure	56,314.25	1,938.88

26 35 53 Voltage Regulators *(26 35)*

26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase *(26 35 53)*

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	6,726.91	1,622.54
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	7,571.26	2,040.93
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear	8,348.75	2,428.71

26 36 Transfer Switches *(26 30)*

26 36 13 Manual Transfer Switches *(26 36)*

26 36 13 00-0001 Fused Manual Transfer Switches *(26 36 13)*

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,358.13	178.58
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt	1,574.41	221.85

26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 13)*

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40)	3,560.53	263.39
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70)	3,928.56	316.06
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125)	4,452.41	368.74
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150)	5,552.76	421.41
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225)	6,904.95	474.09
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260)	7,767.45	526.77
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 12 Enclosure, Add	*1,123.62*	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300)	8,644.13	579.45
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400)	10,181.37	632.12
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600)	13,496.42	790.15
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800)	15,143.93	948.19
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000)	20,234.90	1,382.54
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 Automatic Transfer Switches *(26 36)*

26 36 23 00-0001 Automatic Transfer Switch *(26 36 23)*

26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	3,127.96	368.74
		For Level 2 Controller, Add	*185.26*	
		For Level 3 Controller, Add	*382.48*	
		For Level 4 Controller, Add	*555.79*	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	4,274.09	474.09
		For Level 2 Controller, Add	*257.76*	
		For Level 3 Controller, Add	*532.14*	
		For Level 4 Controller, Add	*773.27*	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	6,876.72	632.12
		For Level 2 Controller, Add	*434.97*	
		For Level 3 Controller, Add	*898.00*	
		For Level 4 Controller, Add	*1,304.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire	11,346.04	790.15
		For Level 2 Controller, Add	*756.84*	
		For Level 3 Controller, Add	*1,562.52*	
		For Level 4 Controller, Add	*2,270.53*	

26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40)	5,396.75	263.39
		For Level 2 Controller, Add	*377.42*	
		For Level 3 Controller, Add	*779.20*	
		For Level 4 Controller, Add	*1,132.27*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70)	6,221.89	316.06
		For Level 2 Controller, Add	*433.21*	
		For Level 3 Controller, Add	*894.36*	
		For Level 4 Controller, Add	*1,299.62*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0010	EA	100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100)	6,523.09	342.40
		For Level 2 Controller, Add	*452.47*	
		For Level 3 Controller, Add	*934.13*	
		For Level 4 Controller, Add	*1,357.40*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0011	EA	125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125)	6,824.29	368.74
		For Level 2 Controller, Add	*471.73*	
		For Level 3 Controller, Add	*973.89*	
		For Level 4 Controller, Add	*1,415.18*	
		For NEMA 3R Enclosure, Add	*1,193.86*	
		For NEMA 4 Enclosure, Add	*1,264.08*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0012	EA	150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150)	8,131.05	421.41
		For Level 2 Controller, Add	*564.84*	
		For Level 3 Controller, Add	*1,166.11*	
		For Level 4 Controller, Add	*1,694.51*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0013	EA	225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225)	9,289.72	474.09
		For Level 2 Controller, Add	*646.47*	
		For Level 3 Controller, Add	*1,334.64*	
		For Level 4 Controller, Add	*1,939.41*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0014	EA	260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260)	10,248.79	526.77
		For Level 2 Controller, Add	*712.63*	
		For Level 3 Controller, Add	*1,471.24*	
		For Level 4 Controller, Add	*2,137.90*	
		For NEMA 3R Enclosure, Add	*1,404.54*	
		For NEMA 4 Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0015	EA	300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300)	10,687.66	579.45
		For Level 2 Controller, Add	*738.48*	
		For Level 3 Controller, Add	*1,524.60*	
		For Level 4 Controller, Add	*2,215.44*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0016	EA	400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400)	12,103.86	632.12
		For Level 2 Controller, Add	*840.07*	
		For Level 3 Controller, Add	*1,734.34*	
		For Level 4 Controller, Add	*2,520.21*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0017	EA	600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600)	16,643.48	790.15
		For Level 2 Controller, Add	*1,167.40*	
		For Level 3 Controller, Add	*2,410.11*	
		For Level 4 Controller, Add	*3,502.19*	
		For NEMA 3R Enclosure, Add	*1,657.35*	
		For NEMA 4 Enclosure, Add	*1,966.35*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0018	EA	800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800)	18,619.35	948.19
		For Level 2 Controller, Add	*1,296.03*	
		For Level 3 Controller, Add	*2,675.68*	
		For Level 4 Controller, Add	*3,888.09*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0019	EA	1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000)	24,297.49	1,382.54
		For Level 2 Controller, Add	*1,668.76*	
		For Level 3 Controller, Add	*3,445.19*	
		For Level 4 Controller, Add	*5,006.29*	
		For NEMA 3R Enclosure, Add	*2,036.56*	
		For NEMA 4 Enclosure, Add	*2,247.26*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0020	EA	1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200)	31,728.40	1,497.75
		For Level 2 Controller, Add	*2,226.80*	
		For Level 3 Controller, Add	*4,597.27*	
		For Level 4 Controller, Add	*6,680.40*	
		For NEMA 3R Enclosure, Add	*4,494.50*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*2,106.80*	
26 36 23 00-0021	EA	1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600)	33,740.92	1,728.17
		For Level 2 Controller, Add	*2,347.05*	
		For Level 3 Controller, Add	*4,845.53*	
		For Level 4 Controller, Add	*7,041.16*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0022	EA	2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000)	38,589.91	1,958.59
		For Level 2 Controller, Add	*2,687.14*	
		For Level 3 Controller, Add	*5,547.64*	
		For Level 4 Controller, Add	*8,061.41*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
		For NEMA 4 Enclosure, Add	*8,988.98*	
		For NEMA 12 Enclosure, Add	*7,303.55*	
26 36 23 00-0023	EA	3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000)	46,571.53	2,419.43
		For Level 2 Controller, Add	*3,234.28*	
		For Level 3 Controller, Add	*6,677.22*	
		For Level 4 Controller, Add	*9,702.84*	
		For NEMA 3R Enclosure, Add	*7,303.55*	
26 36 23 00-0024	EA	4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000)	81,697.56	2,880.28
		For Level 2 Controller, Add	*5,885.12*	
		For Level 3 Controller, Add	*12,149.92*	
		For Level 4 Controller, Add	*17,655.35*	
		For NEMA 3R Enclosure, Add	*13,539.65*	

26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0026	EA	150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150)	26,326.28	2,001.73
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,730.02*	
		For Level 3 Controller, Add	*3,571.65*	
		For Level 4 Controller, Add	*5,190.06*	
26 36 23 00-0027	EA	225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225)	27,466.93	2,107.08
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,802.09*	
		For Level 3 Controller, Add	*3,720.44*	
		For Level 4 Controller, Add	*5,406.27*	
26 36 23 00-0028	EA	260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260)	28,790.26	2,212.44
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*1,888.32*	
		For Level 3 Controller, Add	*3,898.46*	
		For Level 4 Controller, Add	*5,664.96*	
26 36 23 00-0029	EA	300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300)	32,306.35	2,265.11
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,152.65*	
		For Level 3 Controller, Add	*4,444.18*	
		For Level 4 Controller, Add	*6,457.95*	
26 36 23 00-0030	EA	400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400)	37,538.08	2,317.79
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,334.32*	
		For Level 2 Controller, Add	*2,549.94*	
		For Level 3 Controller, Add	*5,264.40*	
		For Level 4 Controller, Add	*7,649.83*	
26 36 23 00-0031	EA	600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600)	45,377.91	2,423.14
		For NEMA 3R Enclosure, Add	*2,457.94*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
		For Level 2 Controller, Add	*3,141.20*	
		For Level 3 Controller, Add	*6,485.06*	
		For Level 4 Controller, Add	*9,423.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0032	EA	800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800)	50,146.30	2,528.50
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*3,494.42*	
		For Level 3 Controller, Add	*7,214.29*	
		For Level 4 Controller, Add	*10,483.26*	
26 36 23 00-0033	EA	1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000)	63,202.06	2,949.91
		For NEMA 3R Enclosure, Add	*2,528.16*	
		For NEMA 4 Enclosure, Add	*2,528.16*	
		For NEMA 12 Enclosure, Add	*1,544.99*	
		For Level 2 Controller, Add	*4,440.92*	
		For Level 3 Controller, Add	*9,168.36*	
		For Level 4 Controller, Add	*13,322.77*	
26 36 23 00-0034	EA	1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200)	83,625.02	3,456.34
		For NEMA 3R Enclosure, Add	*11,236.23*	
		For NEMA 4 Enclosure, Add	*14,045.28*	
		For NEMA 12 Enclosure, Add	*11,236.23*	
		For Level 2 Controller, Add	*5,945.21*	
		For Level 3 Controller, Add	*12,273.97*	
		For Level 4 Controller, Add	*17,835.62*	
26 36 23 00-0035	EA	1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600)	109,701.36	3,686.76
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*7,930.41*	
		For Level 3 Controller, Add	*16,372.45*	
		For Level 4 Controller, Add	*23,791.22*	
26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000)	124,674.13	4,032.40
		For NEMA 3R Enclosure, Add	*23,876.97*	
		For NEMA 4 Enclosure, Add	*23,876.97*	
		For NEMA 12 Enclosure, Add	*22,247.72*	
		For Level 2 Controller, Add	*9,037.22*	
		For Level 3 Controller, Add	*18,657.49*	
		For Level 4 Controller, Add	*27,111.67*	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000)	200,740.87	4,608.46
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*14,843.11*	
		For Level 3 Controller, Add	*30,643.83*	
		For Level 4 Controller, Add	*44,529.32*	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000)	216,524.88	5,184.51
		For NEMA 3R Enclosure, Add	*29,495.07*	
		For Level 2 Controller, Add	*15,977.08*	
		For Level 3 Controller, Add	*32,984.94*	
		For Level 4 Controller, Add	*47,931.24*	

26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure *(26 36 23 00-0001)*

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40)	8,940.41	263.39
		For Level 2 Controller, Add	*652.06*	
		For Level 3 Controller, Add	*1,346.18*	
		For Level 4 Controller, Add	*1,956.17*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70)	9,643.24	316.06
		For Level 2 Controller, Add	*698.36*	
		For Level 3 Controller, Add	*1,441.78*	
		For Level 4 Controller, Add	*2,095.09*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100)	9,994.02	342.40
		For Level 2 Controller, Add	*721.46*	
		For Level 3 Controller, Add	*1,489.48*	
		For Level 4 Controller, Add	*2,164.39*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125)	10,344.79	368.74
		For Level 2 Controller, Add	*744.57*	
		For Level 3 Controller, Add	*1,537.17*	
		For Level 4 Controller, Add	*2,233.70*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150)	12,440.88	421.41
		For Level 2 Controller, Add	*898.85*	
		For Level 3 Controller, Add	*1,855.69*	
		For Level 4 Controller, Add	*2,696.54*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225)	16,259.87	474.09
		For Level 2 Controller, Add	*1,186.66*	
		For Level 3 Controller, Add	*2,449.87*	
		For Level 4 Controller, Add	*3,559.97*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250)	17,293.63	526.77
		For Level 2 Controller, Add	*1,258.61*	
		For Level 3 Controller, Add	*2,598.41*	
		For Level 4 Controller, Add	*3,775.82*	
		For Four Pole Circuit Breaker, Add	*3,511.32*	
		For NEMA 3R Enclosure, Add	*702.27*	
		For NEMA 12 Enclosure, Add	*1,264.08*	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300)	17,959.14	579.45
		For Level 2 Controller, Add	*1,302.02*	
		For Level 3 Controller, Add	*2,688.04*	
		For Level 4 Controller, Add	*3,906.06*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0048	EA	400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400)	20,342.37	632.12
		For Level 2 Controller, Add	*1,478.55*	
		For Level 3 Controller, Add	*3,052.50*	
		For Level 4 Controller, Add	*4,435.66*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0049	EA	600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600)	24,664.38	790.15
		For Level 2 Controller, Add	*1,789.02*	
		For Level 3 Controller, Add	*3,693.45*	
		For Level 4 Controller, Add	*5,367.05*	
		For Four Pole Circuit Breaker, Add	*4,775.40*	
		For NEMA 3R Enclosure, Add	*1,825.89*	
		For NEMA 12 Enclosure, Add	*1,404.54*	
26 36 23 00-0050	EA	800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800)	25,593.36	948.19
		For Level 2 Controller, Add	*1,836.52*	
		For Level 3 Controller, Add	*3,791.52*	
		For Level 4 Controller, Add	*5,509.55*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	
26 36 23 00-0051	EA	1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000)	30,323.79	1,382.54
		For Level 2 Controller, Add	*2,135.80*	
		For Level 3 Controller, Add	*4,409.40*	
		For Level 4 Controller, Add	*6,407.40*	
		For Four Pole Circuit Breaker, Add	*6,811.96*	
		For NEMA 3R Enclosure, Add	*3,146.15*	
		For NEMA 12 Enclosure, Add	*1,966.35*	

26 36 23 00-0052 Accessories *(26 36 23)*

26 36 23 00-0053	EA	Auxiliary Contacts For Automatic Transfer Switch	325.86	
26 36 23 00-0054	EA	Battery Charger For Automatic Transfer Switch	2,668.61	
26 36 23 00-0055	EA	Elevator Relay Signal For Automatic Transfer Switch	969.13	

26 40 Electrical And Cathodic Protection *(26)*

26 43 Surge Protective Devices *(26 40)*

26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits *(26 43)*

26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*
Note: Liebert LPL

26 43 13 00-0002	EA	120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	239.06	25.51
26 43 13 00-0003	EA	208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	258.14	25.51
26 43 13 00-0004	EA	240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	268.35	30.61
26 43 13 00-0005	EA	277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	223.41	20.41
26 43 13 00-0006	EA	480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor	268.35	30.61

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0007		50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0008	EA	120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	333.08	25.51
26 43 13 00-0009	EA	208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	354.19	30.61
26 43 13 00-0010	EA	208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	343.98	25.51
26 43 13 00-0011	EA	480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor	354.19	30.61
26 43 13 00-0012		100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPL		
26 43 13 00-0013	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	403.93	25.51
26 43 13 00-0014	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	425.04	30.61
26 43 13 00-0015	EA	277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	377.38	20.41
26 43 13 00-0016	EA	480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor	425.04	30.61
26 43 13 00-0017		100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0018	EA	120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	477.51	25.51
26 43 13 00-0019	EA	208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	538.14	30.61
26 43 13 00-0020	EA	277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor	452.33	20.41
26 43 13 00-0021		160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert LPM		
26 43 13 00-0022	EA	208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	844.73	30.61
26 43 13 00-0023	EA	208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	834.52	25.51
26 43 13 00-0024	EA	480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor	844.73	30.61
26 43 13 00-0025		250 kA, 500 Joule Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Liebert Interceptor Hybrid.		
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	8,157.20	51.02
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor	9,983.60	51.02
26 43 13 00-0028		Class 1310 Transient Voltage Surge Suppression *(26 43 13)*		
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*		
		Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	3,949.32	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,354.78	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,369.98	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,479.91	204.10
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	12,551.62	280.63
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,121.92	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,544.38	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,662.91	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,860.35	204.10
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,138.68	280.63
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,121.92	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,544.38	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,662.86	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	8,860.35	204.10
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,138.68	280.63
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,294.54	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,736.43	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	6,958.26	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,243.28	204.10
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,728.13	280.63
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,495.09	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	4,935.79	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	7,266.98	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	9,644.38	204.10
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor	13,511.13	280.63
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	

26 43 13 00-0055 NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series.

26 43 13 00-0056	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,074.24	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0057	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,715.49	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0058	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,453.55	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0059	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,172.69	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0060	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,861.34	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0061	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,644.37	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0062	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,172.69	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0063	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,861.34	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0064	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,644.37	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0065	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,297.88	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0066	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,018.13	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0067	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	5,888.67	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0068	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	3,429.15	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0069	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	4,184.64	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0070	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor	6,145.13	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 43 13 00-0071 NEMA 4X Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EMA series. Stainless steel.

26 43 13 00-0072	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,097.91	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0073	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,503.37	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0074	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,518.57	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0075	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,270.51	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0076	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,692.97	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0077	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,811.50	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0078	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,270.51	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0079	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,692.97	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0080	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	7,811.45	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0081	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,443.13	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0082	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,885.02	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0083	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,106.85	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0084	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	5,643.68	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0085	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	6,084.38	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0086	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor	8,415.57	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	

26 43 13 00-0087 NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor *(26 43 13 00-0028)*

Note: Square D EBA series. Stainless steel.

26 43 13 00-0088	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,222.83	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0089	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,864.08	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0090	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,602.14	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0091	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,321.28	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0092	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,009.93	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0093	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,792.96	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0094	EA	120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,321.28	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0095	EA	160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,009.93	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0096	EA	240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	6,792.96	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0097	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,446.47	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0098	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,166.72	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0099	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,037.26	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0100	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	4,577.74	132.66
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0101	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	5,333.23	153.07
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	
26 43 13 00-0102	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor	7,293.72	178.58
		For Surge Counter, Add	*203.04*	
		For Integral Disconnect, Add	*265.68*	

26 43 23 Surge Protective Devices for Lightning Protection *(26 43)*

26 43 23 00-0001 Surge And Lightning Arrestors *(26 43 23)*

26 43 23 00-0002 Metal Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For outdoor construction, single phase.

26 43 23 00-0003	EA	3 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,085.25	235.07
26 43 23 00-0004	EA	4.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,180.93	235.07
26 43 23 00-0005	EA	6 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,180.93	235.07
26 43 23 00-0006	EA	7.5 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,358.63	235.07
26 43 23 00-0007	EA	9 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,358.63	235.07
26 43 23 00-0008	EA	10 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,506.26	235.07
26 43 23 00-0009	EA	12 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	1,506.26	235.07
26 43 23 00-0010	EA	15 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,061.21	293.84
26 43 23 00-0011	EA	18 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,137.76	293.84
26 43 23 00-0012	EA	21 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,342.38	352.61
26 43 23 00-0013	EA	24 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	2,539.22	352.61
26 43 23 00-0014	EA	27 KV, Lightning Arrestors, IMX, Metal Top For Outdoor Use, 1 Phase	3,034.04	352.61

26 43 23 00-0015 Porcelain Top Intermediate Type IMX *(26 43 23 00-0001)*

Note: For cubicle mounting, single phase.

26 43 23 00-0016	EA	3 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,085.25	235.07
26 43 23 00-0017	EA	4.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,180.93	235.07
26 43 23 00-0018	EA	6 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,180.93	235.07
26 43 23 00-0019	EA	7.5 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,358.63	235.07
26 43 23 00-0020	EA	9 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,358.63	235.07
26 43 23 00-0021	EA	10 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,506.26	235.07
26 43 23 00-0022	EA	12 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	1,506.26	235.07
26 43 23 00-0023	EA	15 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,061.21	293.84
26 43 23 00-0024	EA	18 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,137.76	293.84
26 43 23 00-0025	EA	21 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,342.38	352.61
26 43 23 00-0026	EA	24 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	2,539.22	352.61
26 43 23 00-0027	EA	27 KV, Lightning Arrestors, IMX, Porcelain Top For Cubicle Mounting, 1 Phase	3,034.04	352.61

26 43 23 00-0028 IMX Accessories *(26 43 23 00-0001)*

26 43 23 00-0029	EA	1 Crossarm Bracket Reversible 3-27 KV IMX	888.42	235.07
26 43 23 00-0030	EA	Single Unit Horizontal Pole Mounted Bracket (IMX)	877.48	235.07
26 43 23 00-0031	EA	3 Unit Horizontal Pole Mounted Bracket (IMX)	795.57	235.07

26 43 23 00-0032 Lightning Arrestor And Cutouts *(26 43 23 00-0001)*

26 43 23 00-0033	EA	3 KV La Distribution Class, Lightning Arrestor	582.23	235.07
26 43 23 00-0034	EA	3 KV La Interior Class, Lightning Arrestor	1,158.08	235.07
26 43 23 00-0035	EA	3 KV La Station Class, Lightning Arrestor	1,085.25	235.07
26 43 23 00-0036	EA	9 KV La Distribution Class, Lightning Arrestor	642.37	235.07
26 43 23 00-0037	EA	9 KV La Interior Class, Lightning Arrestor	1,317.52	235.07
26 43 23 00-0038	EA	9 KV La Station Class, Lightning Arrestor	1,358.63	235.07
26 43 23 00-0039	EA	5 KV Enclosed Fused Cutout	735.87	235.07
26 43 23 00-0040	EA	15 KV Open Fused Cutout	787.25	293.84
26 43 23 00-0041	EA	18 KV La Distribution Class, Lightning Arrestor	610.73	235.07
26 43 23 00-0042	EA	18 KV La Interior Class, Lightning Arrestor	1,402.74	235.07

26 50 Lighting *(26)*

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

26 51 Interior Lighting *(26 50)*

26 51 13 Incandescent Interior Lighting *(26 51)*

26 51 13 00-0001 Recessed Fixtures *(26 51 13)*

Note: Housing and trim priced separately.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 13 00-0002		Incandescent, Recessed Fixture Housings *(26 51 13 00-0001)*		
26 51 13 00-0003	EA	4" Round, Incandescent, T Or ICT Recessed Fixture Housing	77.82	29.19
		For ICAT Housing, Add	*4.38*	
26 51 13 00-0004	EA	5" Round, Incandescent, T Or ICT Recessed Fixture Housing	77.82	29.19
		For ICAT Housing, Add	*4.38*	
26 51 13 00-0005	EA	6" Round, Incandescent, T Or ICT Recessed Fixture Housing	82.79	30.61
		For ICAT Housing, Add	*4.75*	
26 51 13 00-0006	EA	7" Round, Incandescent, T Or ICT Recessed Fixture Housing	87.95	31.94
		For ICAT Housing, Add	*5.16*	
26 51 13 00-0007	EA	8" Round, Incandescent, T Or ICT Recessed Fixture Housing	93.12	33.27
		For ICAT Housing, Add	*5.56*	
26 51 13 00-0008	EA	10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing	94.37	35.31
		For ICAT Housing, Add	*5.33*	
26 51 13 00-0009		Recessed Fixture Trim *(26 51 13 00-0001)*		
26 51 13 00-0010	EA	Circular, Recessed Fixture Trim	63.43	14.29
26 51 13 00-0011	EA	Circular Clear Lens, Recessed Fixture Trim	71.12	14.29
26 51 13 00-0012	EA	Open/Baffle, Recessed Fixture Trim	84.45	14.29
26 51 13 00-0013	EA	Specular Reflector, Recessed Fixture Trim	91.51	14.29
26 51 13 00-0014	EA	Eyeball, Recessed Fixture Trim	71.23	14.29
26 51 13 00-0015	EA	10" To 12" Square, Clear Lens, Recessed Fixture Trim	67.10	14.29
26 51 13 00-0016	EA	10" To 12" Square, Drop Dish, Recessed Fixture Trim	71.84	14.29
26 51 13 00-0017		Track Lighting *(26 51 13)*		
26 51 13 00-0018		Incandescent Track Lighting Fixtures *(26 51 13 00-0017)*		
		See CSI section 26 51 19 00-0566 for track lighting tracks.		
26 51 13 00-0019	EA	Incandescent Track Lighting Fixture, 120 Volt	82.60	17.04
26 51 13 00-0020	EA	Par 20 Track Fixture, White Or Black Finish, 120 Volt	54.11	17.04
26 51 13 00-0021	EA	Par 30 Track Fixture, White Or Black Finish, 120 Volt	76.20	17.04
26 51 13 00-0022	EA	Par 38 Track Fixture, White Or Black Finish, 120 Volt	78.39	17.04
26 51 13 00-0023	EA	PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	64.11	17.04
26 51 13 00-0024	EA	PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	54.11	17.04
26 51 13 00-0025	EA	PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt Note: 120V.	63.06	17.04
26 51 13 00-0026	EA	PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt	80.58	17.04
26 51 13 00-0027		Wet Location, Dust Resistant, Vapor Tight Fixtures *(26 51 13)*		
26 51 13 00-0028		Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures *(26 51 13 00-0027)*		
26 51 13 00-0029	EA	100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	120.82	40.82
		For Wall Mounted, Add	*5.10*	
26 51 13 00-0030	EA	200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	139.63	40.82
		For Wall Mounted, Add	*5.10*	
26 51 16		**Fluorescent Interior Lighting** *(26 51)*		
26 51 16 00-0001		Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0002		Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0003		6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0004	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	185.58	29.18
26 51 16 00-0005	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture	210.16	29.18
26 51 16 00-0006		6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0007	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	210.79	30.39
26 51 16 00-0008	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture	237.72	30.39
26 51 16 00-0009		1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0010	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	252.61	34.12
26 51 16 00-0011	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	302.66	34.12
26 51 16 00-0012	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture	357.75	34.12
26 51 16 00-0013		2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0014	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	201.51	37.29
26 51 16 00-0015	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture	235.69	37.29
26 51 16 00-0016		2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures *(26 51 16 00-0002)*		
26 51 16 00-0017	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	323.34	43.44
26 51 16 00-0018	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	349.59	43.44
26 51 16 00-0019	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture	399.58	43.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0020		**Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0001)* Note: Includes prismatic lens.		
26 51 16 00-0021		**1' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0022	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	251.11	33.84
26 51 16 00-0023	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	418.11	33.84
26 51 16 00-0024	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture	479.18	33.84
26 51 16 00-0025		**2' x 2', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0026	EA	2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	400.07	37.29
26 51 16 00-0027	EA	3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	438.58	37.29
26 51 16 00-0028	EA	4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture	466.36	37.29
26 51 16 00-0029		**2' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0030	EA	2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	403.25	43.44
26 51 16 00-0031	EA	3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	444.32	43.44
26 51 16 00-0032	EA	4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	466.95	43.44
26 51 16 00-0033	EA	6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture	501.38	43.44
26 51 16 00-0034		**4' x 4', Surface Mounted, Box Type Fluorescent Fixtures** *(26 51 16 00-0020)*		
26 51 16 00-0035	EA	4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	813.98	55.93
26 51 16 00-0036	EA	6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	827.81	55.93
26 51 16 00-0037	EA	8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture	744.08	55.93
26 51 16 00-0038		**Recessed Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0039		**Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0040		**1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0041	EA	2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	405.18	29.18
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0042		**1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0043	EA	2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	540.02	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0044	EA	2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,031.90	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0045		**2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0046	EA	2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	544.74	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0047	EA	3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	631.49	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0048	EA	4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	637.39	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0049	EA	2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	689.35	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0050		**2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture** *(26 51 16 00-0039)*		
26 51 16 00-0051	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	515.11	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0052	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	746.75	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0053	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	753.67	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0054	EA	6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	845.30	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0055	EA	2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	715.19	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0056	EA	3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,005.45	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0057	EA	4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture	1,021.85	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0058		**Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0059		**1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0060	EA	1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	485.72	29.18
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0061	EA	2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	491.61	29.18
		For Drywall Or Plaster Ceilings, Add	*19.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0062	EA	3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	583.93	29.18
		For Drywall Or Plaster Ceilings, Add	*19.71*	
26 51 16 00-0063		**1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0064	EA	1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	552.85	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0065	EA	2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	559.77	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0066	EA	3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	637.69	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0067		**2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0068	EA	2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	563.51	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0069	EA	3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	569.40	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0070	EA	4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	660.30	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0071		**2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures** *(26 51 16 00-0058)*		
26 51 16 00-0072	EA	2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	515.11	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0073	EA	3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	613.13	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0074	EA	4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	706.13	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0075	EA	6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture	806.40	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0076		**Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0077		**1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0078	EA	1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,094.90	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0079	EA	2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,101.82	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0080	EA	1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,308.80	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0081	EA	2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,325.20	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0082		**2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0083	EA	2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	849.46	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0084	EA	3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	953.58	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0085	EA	2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture	1,178.23	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0086		**2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures** *(26 51 16 00-0076)*		
26 51 16 00-0087	EA	2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	951.59	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0088	EA	3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,191.88	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0089	EA	1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,273.95	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0090	EA	2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture	1,402.07	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0091		**Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0038)*		
26 51 16 00-0092		**1' x 4', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0093	EA	2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	843.09	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0094	EA	2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture	1,136.73	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0095		**2' x 2', Volumetric, Recessed Fluorescent Fixtures** *(26 51 16 00-0091)*		
26 51 16 00-0096	EA	2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	836.02	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0097	EA	2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture	967.32	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0098		2' x 4', Volumetric, Recessed Fluorescent Fixtures *(26 51 16 00-0091)*		
26 51 16 00-0099	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	926.49	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0100	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture	928.68	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0101		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0102		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0103	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	775.63	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0104		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0105	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	736.88	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0106		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0101)*		
26 51 16 00-0107	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	896.06	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0108	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	618.42	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0109	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	1,034.88	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0110		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0038)*		
26 51 16 00-0111		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0112	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	735.74	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
26 51 16 00-0113		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	735.93	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
26 51 16 00-0115		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures *(26 51 16 00-0110)*		
26 51 16 00-0116	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	918.45	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0117	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	933.14	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0118	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture	956.57	43.44
		For Drywall Or Plaster Ceilings, Add	*29.37*	
26 51 16 00-0119		Striplight Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0120		1 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0121	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	290.97	27.96
26 51 16 00-0122	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	367.17	27.96
26 51 16 00-0123	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	355.67	31.04
26 51 16 00-0124	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	360.23	34.12
26 51 16 00-0125	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	442.03	40.41
26 51 16 00-0126		2 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0127	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	360.44	31.04
26 51 16 00-0128	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	367.34	34.12
26 51 16 00-0129	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	371.81	37.29
26 51 16 00-0130		3 Lamp Cross Section, Striplight Fluorescent Fixtures *(26 51 16 00-0119)*		
26 51 16 00-0131	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	552.16	31.04
26 51 16 00-0132	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	525.61	34.12
26 51 16 00-0133	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	530.00	37.29
26 51 16 00-0134		Display Case Fluorescent Fixtures *(26 51 16 00-0119)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0135	EA	1 T8 Lamp, 1-1/2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU15W)	185.67	30.61
26 51 16 00-0136	EA	1 T8 Lamp, 2' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU20W)	259.86	30.61
26 51 16 00-0137	EA	1 T8 Lamp, 3' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU30W)	280.00	35.71
26 51 16 00-0138	EA	1 T8 Lamp, 4' Length, Undercabinet/Display Case Fluorescent Fixture (Lightolier TCU40W)	290.54	35.71
26 51 16 00-0139		Industrial Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0140		1 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0141	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	440.64	27.96
26 51 16 00-0142	EA	4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	459.41	34.12
26 51 16 00-0143	EA	8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	878.12	43.44
26 51 16 00-0144		2 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0145	EA	2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	451.19	31.04
26 51 16 00-0146	EA	4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	471.00	37.29
26 51 16 00-0147	EA	8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture	891.96	43.44
26 51 16 00-0148		3 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0149	EA	2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	470.05	31.04
26 51 16 00-0150	EA	4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	487.64	37.29
26 51 16 00-0151	EA	8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture	758.87	43.44
26 51 16 00-0152		4 Lamp Cross Section, Industrial Fluorescent Fixtures *(26 51 16 00-0139)*		
26 51 16 00-0153	EA	4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	692.92	37.29
26 51 16 00-0154	EA	8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture	1,032.00	43.44
26 51 16 00-0155		Flanged Fluorescent Fixture *(26 51 16 00-0001)* Note: For plaster or drywall application. With electronic ballast.		
26 51 16 00-0156	EA	2 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	628.83	55.93
26 51 16 00-0157	EA	3 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	765.39	55.93
26 51 16 00-0158	EA	4 T8 Lamps, 2' x 4', Prismatic Lensed, Flanged Fluorescent Fixture	772.31	55.93
26 51 16 00-0159		Undercabinet Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0160	EA	1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture	221.73	25.17
26 51 16 00-0161	EA	1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture	255.94	30.76
26 51 16 00-0162	EA	2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture	251.01	30.76
26 51 16 00-0163	EA	1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture	308.83	33.56
26 51 16 00-0164	EA	2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture	358.83	39.15
26 51 16 00-0165		Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0001)* Note: Includes acrylic drop dish diffuser.		
26 51 16 00-0166		2' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0167	EA	1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture	253.76	27.96
26 51 16 00-0168	EA	2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture	284.45	27.96
26 51 16 00-0169		3' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0170	EA	1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture	290.86	29.37
26 51 16 00-0171	EA	2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture	320.17	29.37
26 51 16 00-0172		4' Length, Corner Mounted, Fluorescent Fixtures *(26 51 16 00-0165)*		
26 51 16 00-0173	EA	1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture	286.02	30.76
26 51 16 00-0174	EA	2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture	316.38	30.76
26 51 16 00-0175		Wall Bracket, Fluorescent Fixtures *(26 51 16 00-0001)*		
26 51 16 00-0176		Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0175)* Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0177		2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0178	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	237.11	46.94
26 51 16 00-0179	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	242.14	46.94
26 51 16 00-0180		3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		
26 51 16 00-0181	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	314.54	46.94
26 51 16 00-0182	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	321.55	46.94
26 51 16 00-0183		4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) *(26 51 16 00-0176)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0184	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	326.54	46.94
26 51 16 00-0185	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W)	331.56	46.94
26 51 16 00-0186		**Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0175)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0187		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0186)*		
26 51 16 00-0188	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	673.56	46.94
26 51 16 00-0189	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	678.58	46.94
26 51 16 00-0190		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0186)*		
26 51 16 00-0191	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	522.71	46.94
26 51 16 00-0192	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	529.72	46.94
26 51 16 00-0193		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP)** *(26 51 16 00-0186)*		
26 51 16 00-0194	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	608.19	46.94
26 51 16 00-0195	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP)	613.21	46.94
26 51 16 00-0196		**Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0175)* Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.		
26 51 16 00-0197		**2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0196)*		
26 51 16 00-0198	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	226.00	46.94
26 51 16 00-0199	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	231.03	46.94
26 51 16 00-0200		**3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0196)*		
26 51 16 00-0201	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	227.99	46.94
26 51 16 00-0202	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	235.01	46.94
26 51 16 00-0203		**4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)** *(26 51 16 00-0196)*		
26 51 16 00-0204	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	217.49	46.94
26 51 16 00-0205	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC)	222.51	46.94
26 51 16 00-0206		**Low Occupancy, Industrial Fluorescent Fixtures** *(26 51 16 00-0001)*		
26 51 16 00-0207	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	282.72	34.12
26 51 16 00-0208	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP)	287.38	37.29
26 51 16 00-0209		**Ceiling Mounted Fluorescent Fixtures** *(26 51 16)*		
26 51 16 00-0210		**Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures** *(26 51 16 00-0209)*		
26 51 16 00-0211		**Glass Globe, Compact Fluorescent/Incandescent Fixtures** *(26 51 16 00-0210)*		
26 51 16 00-0212	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture	222.34	40.82
26 51 16 00-0213	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture	277.44	40.82
26 51 16 00-0214		**Ceiling Mounted, Circline Fluorescent Fixtures** *(26 51 16 00-0209)*		
26 51 16 00-0215		**Exposed Lamps, Circline Fluorescent Fixtures** *(26 51 16 00-0214)*		
26 51 16 00-0216	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	172.79	40.82
26 51 16 00-0217	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture	192.69	40.82
26 51 16 00-0218		**Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures** *(26 51 16 00-0214)*		
26 51 16 00-0219	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	295.37	40.82
26 51 16 00-0220	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	447.06	40.82
26 51 16 00-0221	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	552.16	40.82
26 51 16 00-0222	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	344.51	40.82
26 51 16 00-0223	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	450.17	40.82
26 51 16 00-0224	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture	552.16	40.82
26 51 16 00-0225		**Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0209)*		
26 51 16 00-0226		**Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures** *(26 51 16 00-0225)*		
26 51 16 00-0227	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	299.50	40.82
26 51 16 00-0228	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	410.98	40.82
26 51 16 00-0229	EA	19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	505.40	40.82
26 51 16 00-0230	EA	12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	229.30	40.82
26 51 16 00-0231	EA	15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	287.16	40.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0232	EA	19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture	396.80	40.82
26 51 16 00-0233		**Pendant Mounted, Compact Fluorescent/Incandescent Downlights** *(26 51 16 00-0209)*		
26 51 16 00-0234		**Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights** *(26 51 16 00-0233)*		
26 51 16 00-0235	EA	6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight	520.65	33.53
26 51 16 00-0236		**Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle** *(26 51 16 00-0233)*		
26 51 16 00-0237	EA	6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	604.53	33.53
26 51 16 00-0238	EA	8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle	875.15	33.53
26 51 16 00-0239		**Pendant Mounted, Horizontal Indirect Fluorescent Fixtures** *(26 51 16 00-0209)*		
26 51 16 00-0240	EA	1 T5HO Lamp, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	301.60	33.53
26 51 16 00-0241	EA	2 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	321.86	33.53
26 51 16 00-0242	EA	3 T5HO Lamps, 4' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	388.61	33.53
26 51 16 00-0243	EA	2 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	404.27	33.53
26 51 16 00-0244	EA	4 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	487.06	33.53
26 51 16 00-0245	EA	6 T5HO Lamps, 8' Length, Pendent Mounted, Horizontal Indirect Fluorescent Fixture	584.64	33.53
26 51 16 00-0246		**Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0247	EA	4" Round, Fluorescent, T Or ICT Recessed Fixture Housing	131.71	29.19
		For ICAT Housing, Add	*11.33*	
26 51 16 00-0248	EA	5" Round, Fluorescent, T Or ICT Recessed Fixture Housing	136.50	29.19
		For ICAT Housing, Add	*11.95*	
26 51 16 00-0249	EA	6" Round, Fluorescent, T Or ICT Recessed Fixture Housing	142.17	30.51
		For ICAT Housing, Add	*12.42*	
26 51 16 00-0250	EA	7" Round, Fluorescent, T Or ICT Recessed Fixture Housing	149.47	31.63
		For ICAT Housing, Add	*13.09*	
26 51 16 00-0251	EA	8" Round, Fluorescent, T Or ICT Recessed Fixture Housing	155.79	33.27
		For ICAT Housing, Add	*13.65*	
26 51 16 00-0252	EA	10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing	161.03	35.31
		For ICAT Housing, Add	*13.93*	
26 51 16 00-0253		**Compact Fluorescent, Recessed Fixture Housings** *(26 51 16)*		
26 51 16 00-0254	EA	4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	152.30	29.19
		For ICAT Housing, Add	*13.98*	
26 51 16 00-0255	EA	5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	157.01	29.19
		For ICAT Housing, Add	*14.59*	
26 51 16 00-0256	EA	6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	162.83	30.61
		For ICAT Housing, Add	*15.08*	
26 51 16 00-0257	EA	7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	167.43	31.94
		For ICAT Housing, Add	*15.41*	
26 51 16 00-0258	EA	8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	172.78	33.27
		For ICAT Housing, Add	*15.84*	
26 51 16 00-0259	EA	10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing	177.65	35.31
		For ICAT Housing, Add	*16.07*	
26 51 16 00-0260		**Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0261	EA	2L 18W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	296.67	17.04
26 51 16 00-0262	EA	2L 39W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	305.43	17.04
26 51 16 00-0263	EA	2L 40W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	310.90	17.04
26 51 16 00-0264	EA	2L 50W BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	189.77	17.04
26 51 16 00-0265	EA	2L, 55 Watt BX Track Fixture, Electronic Ballast Note: White or Black Finish, 120V.	332.36	17.04
26 51 16 00-0266		**Compact Fluorescent Track Lighting Fixtures** *(26 51 16)*		
26 51 16 00-0267	EA	Compact Fluorescent Track Lighting Fixture	98.12	17.04
26 51 16 00-0268		**Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 16)*		
26 51 16 00-0269	EA	13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	130.53	40.82
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0270	EA	22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	134.22	40.82
		For Wall Mounted, Add	*6.02*	
26 51 16 00-0271	EA	28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	143.37	40.82
		For Wall Mounted, Add	*6.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0272		Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0273		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0272)*		
26 51 16 00-0274		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW) *(26 51 16 00-0273)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0275	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	310.18	43.44
		For T5 Fixture Instead Of T8, Add	*28.04*	
26 51 16 00-0276	EA	2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	326.16	43.44
		For T5 Fixture Instead Of T8, Add	*29.87*	
26 51 16 00-0277	EA	3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	521.93	43.44
		For T5 Fixture Instead Of T8, Add	*52.29*	
26 51 16 00-0278	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	447.36	43.44
26 51 16 00-0279	EA	2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW)	732.02	43.44
26 51 16 00-0280		4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W) *(26 51 16 00-0273)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0281	EA	1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	362.40	43.44
26 51 16 00-0282	EA	2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	367.26	43.44
26 51 16 00-0283	EA	3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	543.90	43.44
26 51 16 00-0284	EA	1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	446.21	43.44
26 51 16 00-0285	EA	2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W)	467.29	43.44
26 51 16 00-0286		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures *(26 51 16 00-0272)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0287		8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW) *(26 51 16 00-0286)*		
		Note: Includes high impact acrylic molded lens.		
26 51 16 00-0288	EA	2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	595.72	59.01
		For T5 Fixture Instead Of T8, Add	*58.07*	
26 51 16 00-0289	EA	4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW)	620.92	59.01
		For T5 Fixture Instead Of T8, Add	*60.95*	
26 51 16 00-0290		High Bay Fluorescent Fixtures *(26 51 16)*		
26 51 16 00-0291		(T8) Fluorescent, High Bay Fixtures *(26 51 16 00-0290)*		
26 51 16 00-0292		(T8) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0291)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0293	EA	2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	491.58	95.08
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0294	EA	3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	512.92	105.34
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0295	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	581.02	120.25
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0296	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	704.64	126.68
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0297	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	768.89	132.56
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0298	EA	4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	421.08	120.25
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0299	EA	6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	444.24	126.68
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0300	EA	8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	512.80	132.56
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0301		(T5HO) Fluorescent, High Bay Fixtures *(26 51 16 00-0290)*		

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0302		(T5HO) Fluorescent, High Bay Fixtures (Lithonia) *(26 51 16 00-0301)*		
		Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0303	EA	2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	498.63	95.08
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0304	EA	3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	520.64	105.34
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0305	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	593.29	120.25
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0306	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)	728.29	126.68
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0307	EA	4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	448.84	120.25
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0308	EA	6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	498.51	126.68
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 16 00-0309	EA	8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)	587.95	132.56
		For Polycarbonate Lens, Add	*47.75*	
		For Wire Guard, Add	*40.50*	
		For Acrylic Lens, Add	*54.00*	
26 51 19		**LED Interior Lighting** *(26 51)*		
26 51 19 00-0001		LED Fixtures *(26 51 19)*		
26 51 19 00-0002		Undercabinet LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0003	EA	12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6)	132.69	25.17
		For >50 To 100, Deduct	*-4.37*	
		For >100 To 250, Deduct	*-7.68*	
		For >250 To 500, Deduct	*-13.27*	
		For >500, Deduct	*-18.85*	
26 51 19 00-0004	EA	18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6)	164.34	30.76
		For >50 To 100, Deduct	*-5.39*	
		For >100 To 250, Deduct	*-9.50*	
		For >250 To 500, Deduct	*-16.43*	
		For >500, Deduct	*-23.37*	
26 51 19 00-0005	EA	24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6)	165.43	30.76
		For >50 To 100, Deduct	*-5.42*	
		For >100 To 250, Deduct	*-9.55*	
		For >250 To 500, Deduct	*-16.54*	
		For >500, Deduct	*-23.53*	
26 51 19 00-0006	EA	24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30)	158.60	25.17
		For >50 To 100, Deduct	*-5.01*	
		For >100 To 250, Deduct	*-8.98*	
		For >250 To 500, Deduct	*-15.86*	
		For >500, Deduct	*-22.74*	
26 51 19 00-0007		Surface Mount Linear/Striplight LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0008		Striplight LED Fixtures (Lithonia CLX) *(26 51 19 00-0007)*		
		Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI		
26 51 19 00-0009	EA	2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	211.64	27.96
26 51 19 00-0010	EA	2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	217.58	27.96
26 51 19 00-0011	EA	4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	250.69	34.12
26 51 19 00-0012	EA	4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	256.64	34.12
26 51 19 00-0013	EA	4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	262.59	34.12
26 51 19 00-0014	EA	4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	268.53	34.12
26 51 19 00-0015	EA	4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	274.49	34.12
26 51 19 00-0016	EA	8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	352.20	40.36
26 51 19 00-0017	EA	8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	364.09	40.36
26 51 19 00-0018	EA	8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	377.47	40.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0019	EA	8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	389.37	40.36
26 51 19 00-0020	EA	8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	402.75	40.36
26 51 19 00-0021	EA	8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX) Note: With integral occupancy sensor	414.65	40.36
26 51 19 00-0022		**Striplight LED Fixtures (Lithonia ZL)** *(26 51 19 00-0007)*		
26 51 19 00-0023	EA	3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)	218.19	27.96
		For >50 To 100, Deduct	*-6.50*	
		For >100 To 250, Deduct	*-11.96*	
		For >250 To 500, Deduct	*-21.82*	
		For >500, Deduct	*-31.68*	
26 51 19 00-0024	EA	2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)	227.51	34.12
		For >50 To 100, Deduct	*-6.97*	
		For >100 To 250, Deduct	*-12.66*	
		For >250 To 500, Deduct	*-22.75*	
		For >500, Deduct	*-32.84*	
26 51 19 00-0025	EA	1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	236.18	27.96
		For >50 To 100, Deduct	*-6.95*	
		For >100 To 250, Deduct	*-12.86*	
		For >250 To 500, Deduct	*-23.62*	
		For >500, Deduct	*-34.38*	
26 51 19 00-0026	EA	2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	245.50	34.12
		For >50 To 100, Deduct	*-7.42*	
		For >100 To 250, Deduct	*-13.56*	
		For >250 To 500, Deduct	*-24.55*	
		For >500, Deduct	*-35.54*	
26 51 19 00-0027	EA	4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)	308.51	34.12
		For >50 To 100, Deduct	*-8.99*	
		For >100 To 250, Deduct	*-16.71*	
		For >250 To 500, Deduct	*-30.85*	
		For >500, Deduct	*-44.99*	
26 51 19 00-0028		**Striplight LED Fixtures (Mobern)** *(26 51 19 00-0007)*		
26 51 19 00-0029	EA	1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)	217.50	27.96
		For >50 To 100, Deduct	*-6.49*	
		For >100 To 250, Deduct	*-11.92*	
		For >250 To 500, Deduct	*-21.75*	
		For >500, Deduct	*-31.58*	
26 51 19 00-0030		**Striplight LED Fixtures (Eaton)** *(26 51 19 00-0007)*		
26 51 19 00-0031	EA	2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)	277.12	34.12
		For >50 To 100, Deduct	*-8.21*	
		For >100 To 250, Deduct	*-15.14*	
		For >250 To 500, Deduct	*-27.71*	
		For >500, Deduct	*-40.29*	
26 51 19 00-0032	EA	2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)	260.65	34.12
		For >50 To 100, Deduct	*-7.80*	
		For >100 To 250, Deduct	*-14.31*	
		For >250 To 500, Deduct	*-26.07*	
		For >500, Deduct	*-37.82*	
26 51 19 00-0033	EA	2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)	277.12	34.12
		For >50 To 100, Deduct	*-8.21*	
		For >100 To 250, Deduct	*-15.14*	
		For >250 To 500, Deduct	*-27.71*	
		For >500, Deduct	*-40.29*	
26 51 19 00-0034		**Lay-In/Troffer LED Fixtures** *(26 51 19 00-0001)*		
26 51 19 00-0035		**Prismatic Lensed, Lay-In/Troffer LED Fixtures** *(26 51 19 00-0034)*		
26 51 19 00-0036		**Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia)** *(26 51 19 00-0035)*		
26 51 19 00-0037	EA	1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)	600.18	33.84
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*42.83*	
		For >50 To 100, Deduct	*-16.29*	
		For >100 To 250, Deduct	*-31.29*	
		For >250 To 500, Deduct	*-60.02*	
		For >500, Deduct	*-88.75*	
26 51 19 00-0038	EA	2' x 2', 3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2)	325.19	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
		For >50 To 100, Deduct	*-9.53*	
		For >100 To 250, Deduct	*-17.66*	
		For >250 To 500, Deduct	*-32.52*	
		For >500, Deduct	*-47.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0039	EA	2' x 4', 4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4)	602.36	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*46.43*	
		For >50 To 100, Deduct	*-16.69*	
		For >100 To 250, Deduct	*-31.75*	
		For >250 To 500, Deduct	*-60.24*	
		For >500, Deduct	*-88.72*	

26 51 19 00-0040 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) *(26 51 19 00-0035)*

26 51 19 00-0041	EA	1' x 4', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4)	871.02	33.84
		For >50 To 100, Deduct	*-23.06*	
		For >100 To 250, Deduct	*-44.83*	
		For >250 To 500, Deduct	*-87.10*	
		For >500, Deduct	*-129.37*	
26 51 19 00-0042	EA	2' x 2', 3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5)	607.29	37.29
		For >50 To 100, Deduct	*-16.58*	
		For >100 To 250, Deduct	*-31.76*	
		For >250 To 500, Deduct	*-60.73*	
		For >500, Deduct	*-89.70*	
26 51 19 00-0043	EA	2' x 4', 4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4)	793.21	43.44
		For >50 To 100, Deduct	*-21.46*	
		For >100 To 250, Deduct	*-41.29*	
		For >250 To 500, Deduct	*-79.32*	
		For >500, Deduct	*-117.35*	

26 51 19 00-0044 Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) *(26 51 19 00-0035)*

26 51 19 00-0045	EA	2,591 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	394.91	37.29
		For >50 To 100, Deduct	*-11.27*	
		For >100 To 250, Deduct	*-21.14*	
		For >250 To 500, Deduct	*-39.49*	
		For >500, Deduct	*-57.84*	
26 51 19 00-0046	EA	3,883 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)	438.64	37.29
		For >50 To 100, Deduct	*-12.36*	
		For >100 To 250, Deduct	*-23.33*	
		For >250 To 500, Deduct	*-43.86*	
		For >500, Deduct	*-64.40*	
26 51 19 00-0047	EA	3,700 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40)	370.85	37.29
		For >50 To 100, Deduct	*-10.67*	
		For >100 To 250, Deduct	*-19.94*	
		For >250 To 500, Deduct	*-37.09*	
		For >500, Deduct	*-54.23*	
26 51 19 00-0048	EA	4,200 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45)	370.85	37.29
		For >50 To 100, Deduct	*-10.67*	
		For >100 To 250, Deduct	*-19.94*	
		For >250 To 500, Deduct	*-37.09*	
		For >500, Deduct	*-54.23*	
26 51 19 00-0049	EA	4,600 Lumens, 2' x 2', Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50)	399.28	37.29
		For >50 To 100, Deduct	*-11.38*	
		For >100 To 250, Deduct	*-21.36*	
		For >250 To 500, Deduct	*-39.93*	
		For >500, Deduct	*-58.49*	

26 51 19 00-0050 Volumetric, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0051 Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0050)*

26 51 19 00-0052	EA	1' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	501.33	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
		For >50 To 100, Deduct	*-13.82*	
		For >100 To 250, Deduct	*-26.35*	
		For >250 To 500, Deduct	*-50.13*	
		For >500, Deduct	*-73.92*	
26 51 19 00-0053	EA	1' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4)	681.56	33.84
		For Drywall Or Plaster Ceilings, Add	*23.07*	
		For >50 To 100, Deduct	*-18.32*	
		For >100 To 250, Deduct	*-35.36*	
		For >250 To 500, Deduct	*-68.16*	
		For >500, Deduct	*-100.95*	
26 51 19 00-0054	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	526.19	37.29
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*40.29*	
		For >50 To 100, Deduct	*-14.55*	
		For >100 To 250, Deduct	*-27.71*	
		For >250 To 500, Deduct	*-52.62*	
		For >500, Deduct	*-77.53*	
26 51 19 00-0055	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	606.19	37.29
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*44.29*	
		For >50 To 100, Deduct	*-16.55*	
		For >100 To 250, Deduct	*-31.71*	
		For >250 To 500, Deduct	*-60.62*	
		For >500, Deduct	*-89.53*	
26 51 19 00-0056	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2)	670.20	37.29
		For >50 To 100, Deduct	*-18.15*	
		For >100 To 250, Deduct	*-34.91*	
		For >250 To 500, Deduct	*-67.02*	
		For >500, Deduct	*-99.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0057	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	679.53	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*50.29*	
		For >50 To 100, Deduct	*-18.62*	
		For >100 To 250, Deduct	*-35.61*	
		For >250 To 500, Deduct	*-67.95*	
		For >500, Deduct	*-100.30*	
26 51 19 00-0058	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	743.53	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*53.49*	
		For >50 To 100, Deduct	*-20.22*	
		For >100 To 250, Deduct	*-38.81*	
		For >250 To 500, Deduct	*-74.35*	
		For >500, Deduct	*-109.90*	
26 51 19 00-0059	EA	2' x 4', 6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4)	807.54	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*56.69*	
		For >50 To 100, Deduct	*-21.82*	
		For >100 To 250, Deduct	*-42.01*	
		For >250 To 500, Deduct	*-80.75*	
		For >500, Deduct	*-119.50*	
26 51 19 00-0060	EA	2' x 2', 2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	462.20	37.29
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*37.09*	
		For >50 To 100, Deduct	*-12.95*	
		For >100 To 250, Deduct	*-24.51*	
		For >250 To 500, Deduct	*-46.22*	
		For >500, Deduct	*-67.93*	
26 51 19 00-0061	EA	2' x 2', 3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	542.19	37.29
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*41.09*	
		For >50 To 100, Deduct	*-14.95*	
		For >100 To 250, Deduct	*-28.51*	
		For >250 To 500, Deduct	*-54.22*	
		For >500, Deduct	*-79.93*	
26 51 19 00-0062	EA	2' x 2', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2)	590.19	37.29
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*43.49*	
		For >50 To 100, Deduct	*-16.15*	
		For >100 To 250, Deduct	*-30.91*	
		For >250 To 500, Deduct	*-59.02*	
		For >500, Deduct	*-87.13*	
26 51 19 00-0063	EA	2' x 4', 3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	583.53	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*45.49*	
		For >50 To 100, Deduct	*-16.22*	
		For >100 To 250, Deduct	*-30.81*	
		For >250 To 500, Deduct	*-58.35*	
		For >500, Deduct	*-85.90*	
26 51 19 00-0064	EA	2' x 4', 4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	615.52	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*47.09*	
		For >50 To 100, Deduct	*-17.02*	
		For >100 To 250, Deduct	*-32.41*	
		For >250 To 500, Deduct	*-61.55*	
		For >500, Deduct	*-90.70*	
26 51 19 00-0065	EA	2' x 4', 4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4)	679.53	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*50.29*	
		For >50 To 100, Deduct	*-18.62*	
		For >100 To 250, Deduct	*-35.61*	
		For >250 To 500, Deduct	*-67.95*	
		For >500, Deduct	*-100.30*	

26 51 19 00-0066 Architectural, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*

26 51 19 00-0067 Architectural, Lay-In/Troffer LED Fixtures (Lithonia) *(26 51 19 00-0066)*

Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0068	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	367.18	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*34.67*	
		For >50 To 100, Deduct	*-10.81*	
		For >100 To 250, Deduct	*-19.99*	
		For >250 To 500, Deduct	*-36.72*	
		For >500, Deduct	*-53.45*	
26 51 19 00-0069	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	431.47	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*37.89*	
		For >50 To 100, Deduct	*-12.42*	
		For >100 To 250, Deduct	*-23.21*	
		For >250 To 500, Deduct	*-43.15*	
		For >500, Deduct	*-63.09*	
26 51 19 00-0070	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4)	489.34	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*40.78*	
		For >50 To 100, Deduct	*-13.87*	
		For >100 To 250, Deduct	*-26.10*	
		For >250 To 500, Deduct	*-48.93*	
		For >500, Deduct	*-71.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0071		Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series) *(26 51 19 00-0066)*		
		Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0072	EA	1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	472.95	43.44
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*135.77*	
		For Surface Mount, Add	*261.68*	
		For >50 To 100, Deduct	*-13.46*	
		For >100 To 250, Deduct	*-25.28*	
		For >250 To 500, Deduct	*-47.30*	
		For >500, Deduct	*-69.31*	
26 51 19 00-0073	EA	1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	511.91	43.44
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*135.77*	
		For Surface Mount, Add	*261.68*	
		For >50 To 100, Deduct	*-14.43*	
		For >100 To 250, Deduct	*-27.23*	
		For >250 To 500, Deduct	*-51.19*	
		For >500, Deduct	*-75.16*	
26 51 19 00-0074	EA	1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	511.91	43.44
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*135.77*	
		For Surface Mount, Add	*261.68*	
		For >50 To 100, Deduct	*-14.43*	
		For >100 To 250, Deduct	*-27.23*	
		For >250 To 500, Deduct	*-51.19*	
		For >500, Deduct	*-75.16*	
26 51 19 00-0075	EA	1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™)	569.43	43.44
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*135.77*	
		For Surface Mount, Add	*261.68*	
		For >50 To 100, Deduct	*-15.87*	
		For >100 To 250, Deduct	*-30.10*	
		For >250 To 500, Deduct	*-56.94*	
		For >500, Deduct	*-83.78*	
26 51 19 00-0076	EA	2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	441.57	37.29
		Note: CCT 30K to 50K		
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*119.02*	
		For Surface Mount, Add	*246.83*	
		For >50 To 100, Deduct	*-12.44*	
		For >100 To 250, Deduct	*-23.48*	
		For >250 To 500, Deduct	*-44.16*	
		For >500, Deduct	*-64.84*	
26 51 19 00-0077	EA	2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™)	415.37	37.29
		Note: CCT 30K to 50K		
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*119.02*	
		For Surface Mount, Add	*246.83*	
		For >50 To 100, Deduct	*-11.78*	
		For >100 To 250, Deduct	*-22.17*	
		For >250 To 500, Deduct	*-41.54*	
		For >500, Deduct	*-60.91*	
26 51 19 00-0078	EA	2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	494.56	43.44
		Note: CCT 30K to 50K		
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*139.48*	
		For Surface Mount, Add	*285.80*	
		For >50 To 100, Deduct	*-14.00*	
		For >100 To 250, Deduct	*-26.36*	
		For >250 To 500, Deduct	*-49.46*	
		For >500, Deduct	*-72.55*	
26 51 19 00-0079	EA	2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	511.91	43.44
		Note: CCT 30K to 50K		
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*139.48*	
		For Surface Mount, Add	*285.80*	
		For >50 To 100, Deduct	*-14.43*	
		For >100 To 250, Deduct	*-27.23*	
		For >250 To 500, Deduct	*-51.19*	
		For >500, Deduct	*-75.16*	
26 51 19 00-0080	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™)	511.91	43.44
		Note: CCT 30K to 50K		
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*139.48*	
		For Surface Mount, Add	*285.80*	
		For >50 To 100, Deduct	*-14.43*	
		For >100 To 250, Deduct	*-27.23*	
		For >250 To 500, Deduct	*-51.19*	
		For >500, Deduct	*-75.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0081	EA	2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) Note: CCT 30K to 50K	658.49	43.44
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*139.48*	
		For Surface Mount, Add	*285.80*	
		For >50 To 100, Deduct	*-18.09*	
		For >100 To 250, Deduct	*-34.56*	
		For >250 To 500, Deduct	*-65.85*	
		For >500, Deduct	*-97.14*	
26 51 19 00-0082	EA	2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K	569.43	43.44
		For Expanded Size Junction Box For Through Wiring, Add	*5.20*	
		For Drywall Or Plaster Ceilings, Add	*139.48*	
		For Surface Mount, Add	*285.80*	
		For >50 To 100, Deduct	*-15.87*	
		For >100 To 250, Deduct	*-30.10*	
		For >250 To 500, Deduct	*-56.94*	
		For >500, Deduct	*-83.78*	
26 51 19 00-0083		Architectural, Lay-In/Troffer LED Fixtures (Metalux®) *(26 51 19 00-0066)* Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0084	EA	2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	261.91	37.29
		For >50 To 100, Deduct	*-7.95*	
		For >100 To 250, Deduct	*-14.49*	
		For >250 To 500, Deduct	*-26.19*	
		For >500, Deduct	*-37.89*	
26 51 19 00-0085	EA	2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC)	348.97	43.44
		For >50 To 100, Deduct	*-10.36*	
		For >100 To 250, Deduct	*-19.08*	
		For >250 To 500, Deduct	*-34.90*	
		For >500, Deduct	*-50.71*	
26 51 19 00-0086		Architectural, Lay-In/Troffer LED Fixtures (Finelite) *(26 51 19 00-0066)* Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0087	EA	2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	395.50	37.29
		For >50 To 100, Deduct	*-11.29*	
		For >100 To 250, Deduct	*-21.17*	
		For >250 To 500, Deduct	*-39.55*	
		For >500, Deduct	*-57.93*	
26 51 19 00-0088	EA	2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2)	539.02	43.81
		For >50 To 100, Deduct	*-15.11*	
		For >100 To 250, Deduct	*-28.58*	
		For >250 To 500, Deduct	*-53.90*	
		For >500, Deduct	*-79.22*	
26 51 19 00-0089		Shadow Box Style, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*		
26 51 19 00-0090		Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) *(26 51 19 00-0089)*		
26 51 19 00-0091	EA	2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2)	637.14	37.29
		For Drywall Or Plaster Ceilings, Add	*25.17*	
		For >50 To 100, Deduct	*-17.33*	
		For >100 To 250, Deduct	*-33.26*	
		For >250 To 500, Deduct	*-63.71*	
		For >500, Deduct	*-94.17*	
26 51 19 00-0092	EA	2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4)	872.24	43.44
		For Drywall Or Plaster Ceilings With Frame Kit, Add	*59.93*	
		For >50 To 100, Deduct	*-23.44*	
		For >100 To 250, Deduct	*-45.24*	
		For >250 To 500, Deduct	*-87.22*	
		For >500, Deduct	*-129.20*	
26 51 19 00-0093		Panel Type, Lay-In/Troffer LED Fixtures *(26 51 19 00-0034)*		
26 51 19 00-0094		Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) *(26 51 19 00-0093)*		
26 51 19 00-0095	EA	1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34)	427.80	43.44
		For >50 To 100, Deduct	*-12.33*	
		For >100 To 250, Deduct	*-23.02*	
		For >250 To 500, Deduct	*-42.78*	
		For >500, Deduct	*-62.54*	
26 51 19 00-0096	EA	2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34)	445.16	43.44
		For >50 To 100, Deduct	*-12.76*	
		For >100 To 250, Deduct	*-23.89*	
		For >250 To 500, Deduct	*-44.52*	
		For >500, Deduct	*-65.14*	
26 51 19 00-0097	EA	2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40)	560.22	43.44
		For >50 To 100, Deduct	*-15.64*	
		For >100 To 250, Deduct	*-29.64*	
		For >250 To 500, Deduct	*-56.02*	
		For >500, Deduct	*-82.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0098	EA	2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52)	560.22	43.44
		For >50 To 100, Deduct	*-15.64*	
		For >100 To 250, Deduct	*-29.64*	
		For >250 To 500, Deduct	*-56.02*	
		For >500, Deduct	*-82.40*	

26 51 19 00-0099 Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) *(26 51 19 00-0093)*

26 51 19 00-0100	EA	1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH)	217.84	43.44
		For Surface Mounting Kit (Sylvania SMKIT1A/14A/WH), Add	*57.00*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 250, Deduct	*-12.52*	
		For >250 To 500, Deduct	*-21.78*	
		For >500, Deduct	*-31.04*	
26 51 19 00-0101	EA	2' x 2', 3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH)	225.28	43.44
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 250, Deduct	*-12.90*	
		For >250 To 500, Deduct	*-22.53*	
		For >500, Deduct	*-32.16*	
26 51 19 00-0102	EA	2' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH)	228.68	43.44
		For Surface Mounting Kit (Sylvania SMKIT1A/24A/WH)	*71.25*	
		For >50 To 100, Deduct	*-7.35*	
		For >100 To 250, Deduct	*-13.07*	
		For >250 To 500, Deduct	*-22.87*	
		For >500, Deduct	*-32.67*	
26 51 19 00-0103	EA	2' x 4', 3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMKIT1A/24A/WH)	549.77	43.44
		For >50 To 100, Deduct	*-15.38*	
		For >100 To 250, Deduct	*-29.12*	
		For >250 To 500, Deduct	*-54.98*	
		For >500, Deduct	*-80.83*	

26 51 19 00-0104 Surface Mount LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0105 Surface Mount, Volumetric LED Fixtures (Lithonia STL) *(26 51 19 00-0104)*

26 51 19 00-0106	EA	2' Length, 2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2)	324.58	27.96
		For >50 To 100, Deduct	*-9.16*	
		For >100 To 250, Deduct	*-17.28*	
		For >250 To 500, Deduct	*-32.46*	
		For >500, Deduct	*-47.64*	
26 51 19 00-0107	EA	4' Length, 3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	290.37	34.12
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-15.80*	
		For >250 To 500, Deduct	*-29.04*	
		For >500, Deduct	*-42.27*	
26 51 19 00-0108	EA	4' Length, 4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4)	327.14	34.12
		For >50 To 100, Deduct	*-9.46*	
		For >100 To 250, Deduct	*-17.64*	
		For >250 To 500, Deduct	*-32.71*	
		For >500, Deduct	*-47.79*	

26 51 19 00-0109 Surface Mount, Wraparound LED Fixtures (Lithonia LBL) *(26 51 19 00-0104)*

26 51 19 00-0110	EA	2' Length, 2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2)	271.35	27.96
		For >50 To 100, Deduct	*-7.83*	
		For >100 To 250, Deduct	*-14.62*	
		For >250 To 500, Deduct	*-27.14*	
		For >500, Deduct	*-39.65*	
26 51 19 00-0111	EA	4' Length, 4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4)	357.56	34.12
		For >50 To 100, Deduct	*-10.22*	
		For >100 To 250, Deduct	*-19.16*	
		For >250 To 500, Deduct	*-35.76*	
		For >500, Deduct	*-52.35*	

26 51 19 00-0112 Surface Mount, Shadow Box Style LED Fixtures *(26 51 19 00-0104)*

26 51 19 00-0113 Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX) *(26 51 19 00-0112)*

26 51 19 00-0114	EA	2' x 2', 3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2)	821.66	37.29
		For >50 To 100, Deduct	*-21.94*	
		For >100 To 250, Deduct	*-42.48*	
		For >250 To 500, Deduct	*-82.17*	
		For >500, Deduct	*-121.85*	
26 51 19 00-0115	EA	2' x 4', 4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4)	1,056.76	43.44
		For >50 To 100, Deduct	*-28.05*	
		For >100 To 250, Deduct	*-54.47*	
		For >250 To 500, Deduct	*-105.68*	
		For >500, Deduct	*-156.88*	

26 51 19 00-0116 Surface Mount, Low Profile Fixtures *(26 51 19 00-0104)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0117	EA	6" Diameter, 993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90)	98.18	25.56
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-6.19*	
		For >250 To 500, Deduct	*-9.82*	
		For >500, Deduct	*-13.45*	
26 51 19 00-0118	EA	6" Diameter, 1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569)	77.75	25.56
		For >50 To 100, Deduct	*-3.22*	
		For >100 To 250, Deduct	*-5.17*	
		For >250 To 500, Deduct	*-7.78*	
		For >500, Deduct	*-10.38*	
26 51 19 00-0119	EA	13" Diameter, 1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329)	141.07	25.56
		For >50 To 100, Deduct	*-4.80*	
		For >100 To 250, Deduct	*-8.33*	
		For >250 To 500, Deduct	*-14.11*	
		For >500, Deduct	*-19.88*	
26 51 19 00-0120	EA	15" Diameter, 2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330)	173.76	25.56
		For >50 To 100, Deduct	*-5.62*	
		For >100 To 250, Deduct	*-9.97*	
		For >250 To 500, Deduct	*-17.38*	
		For >500, Deduct	*-24.79*	

26 51 19 00-0121 Recessed LED Downlights *(26 51 19 00-0001)*

26 51 19 00-0122 Recessed LED Downlights *(26 51 19 00-0121)*

26 51 19 00-0123 Recessed LED Downlights (Lithonia) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0124	EA	8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	366.70	44.90
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*77.44*	
		For >50 To 100, Deduct	*-10.85*	
		For >100 To 250, Deduct	*-20.02*	
		For >250 To 500, Deduct	*-36.67*	
		For >500, Deduct	*-53.32*	
26 51 19 00-0125	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED)	398.85	44.90
		For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	*77.44*	
		For >50 To 100, Deduct	*-11.66*	
		For >100 To 250, Deduct	*-21.63*	
		For >250 To 500, Deduct	*-39.89*	
		For >500, Deduct	*-58.14*	

26 51 19 00-0126 Recessed LED Downlights (Portfolio®) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0127	EA	4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413)	229.97	44.90
		For >50 To 100, Deduct	*-7.43*	
		For >100 To 250, Deduct	*-13.18*	
		For >250 To 500, Deduct	*-23.00*	
		For >500, Deduct	*-32.81*	

26 51 19 00-0128 Recessed LED Downlights (Gotham® EVO®) *(26 51 19 00-0122)*

Note: Includes housing and trim.

26 51 19 00-0129	EA	6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED)	298.68	44.90
		For >50 To 100, Deduct	*-9.15*	
		For >100 To 250, Deduct	*-16.62*	
		For >250 To 500, Deduct	*-29.87*	
		For >500, Deduct	*-43.12*	
26 51 19 00-0130	EA	6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED)	308.57	44.90
		For >50 To 100, Deduct	*-9.40*	
		For >100 To 250, Deduct	*-17.11*	
		For >250 To 500, Deduct	*-30.86*	
		For >500, Deduct	*-44.60*	
26 51 19 00-0131	EA	6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED)	349.15	44.90
		For >50 To 100, Deduct	*-10.41*	
		For >100 To 250, Deduct	*-19.14*	
		For >250 To 500, Deduct	*-34.92*	
		For >500, Deduct	*-50.69*	
26 51 19 00-0132	EA	6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED)	353.12	44.90
		For >50 To 100, Deduct	*-10.51*	
		For >100 To 250, Deduct	*-19.34*	
		For >250 To 500, Deduct	*-35.31*	
		For >500, Deduct	*-51.28*	
26 51 19 00-0133	EA	6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED)	387.75	44.90
		For >50 To 100, Deduct	*-11.38*	
		For >100 To 250, Deduct	*-21.07*	
		For >250 To 500, Deduct	*-38.78*	
		For >500, Deduct	*-56.48*	

26 51 19 00-0134 Recessed LED Downlights (Lightolier) *(26 51 19 00-0122)*

Note: Includes housing and trim.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0135	EA	4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL)	607.93	44.90
		For >50 To 100, Deduct	*-16.88*	
		For >100 To 250, Deduct	*-32.08*	
		For >250 To 500, Deduct	*-60.79*	
		For >500, Deduct	*-89.51*	
26 51 19 00-0136	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL)	716.32	44.90
		For >50 To 100, Deduct	*-19.59*	
		For >100 To 250, Deduct	*-37.50*	
		For >250 To 500, Deduct	*-71.63*	
		For >500, Deduct	*-105.76*	
26 51 19 00-0137	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	770.40	44.90
		For >50 To 100, Deduct	*-20.94*	
		For >100 To 250, Deduct	*-40.20*	
		For >250 To 500, Deduct	*-77.04*	
		For >500, Deduct	*-113.88*	
26 51 19 00-0138	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL)	770.40	44.90
		For >50 To 100, Deduct	*-20.94*	
		For >100 To 250, Deduct	*-40.20*	
		For >250 To 500, Deduct	*-77.04*	
		For >500, Deduct	*-113.88*	
26 51 19 00-0139	EA	7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	797.56	44.90
		For >50 To 100, Deduct	*-21.62*	
		For >100 To 250, Deduct	*-41.56*	
		For >250 To 500, Deduct	*-79.76*	
		For >500, Deduct	*-117.95*	
26 51 19 00-0140	EA	7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL)	824.74	44.90
		For >50 To 100, Deduct	*-22.30*	
		For >100 To 250, Deduct	*-42.92*	
		For >250 To 500, Deduct	*-82.47*	
		For >500, Deduct	*-122.03*	

26 51 19 00-0141 Recessed LED Downlights (Cooper) *(26 51 19 00-0122)*

26 51 19 00-0142	EA	600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827)	139.26	44.90
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.93*	
		For >500, Deduct	*-19.21*	
26 51 19 00-0143	EA	600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830)	139.26	44.90
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.93*	
		For >500, Deduct	*-19.21*	
26 51 19 00-0144	EA	600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835)	139.26	44.90
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.93*	
		For >500, Deduct	*-19.21*	
26 51 19 00-0145	EA	600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840)	139.26	44.90
		For >50 To 100, Deduct	*-5.17*	
		For >100 To 250, Deduct	*-8.65*	
		For >250 To 500, Deduct	*-13.93*	
		For >500, Deduct	*-19.21*	
26 51 19 00-0146	EA	900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827)	141.94	44.90
		For >50 To 100, Deduct	*-5.23*	
		For >100 To 250, Deduct	*-8.78*	
		For >250 To 500, Deduct	*-14.19*	
		For >500, Deduct	*-19.61*	
26 51 19 00-0147	EA	900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830)	141.94	44.90
		For >50 To 100, Deduct	*-5.23*	
		For >100 To 250, Deduct	*-8.78*	
		For >250 To 500, Deduct	*-14.19*	
		For >500, Deduct	*-19.61*	
26 51 19 00-0148	EA	900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835)	141.94	44.90
		For >50 To 100, Deduct	*-5.23*	
		For >100 To 250, Deduct	*-8.78*	
		For >250 To 500, Deduct	*-14.19*	
		For >500, Deduct	*-19.61*	
26 51 19 00-0149	EA	900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840)	141.94	44.90
		For >50 To 100, Deduct	*-5.23*	
		For >100 To 250, Deduct	*-8.78*	
		For >250 To 500, Deduct	*-14.19*	
		For >500, Deduct	*-19.61*	
26 51 19 00-0150	EA	1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827)	178.25	44.90
		For >50 To 100, Deduct	*-6.14*	
		For >100 To 250, Deduct	*-10.60*	
		For >250 To 500, Deduct	*-17.83*	
		For >500, Deduct	*-25.05*	
26 51 19 00-0151	EA	1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830)	176.41	44.90
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-17.64*	
		For >500, Deduct	*-24.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0152	EA	1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835)	176.41	44.90
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-17.64*	
		For >500, Deduct	*-24.78*	
26 51 19 00-0153	EA	1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840)	176.41	44.90
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 250, Deduct	*-10.50*	
		For >250 To 500, Deduct	*-17.64*	
		For >500, Deduct	*-24.78*	
26 51 19 00-0154	EA	5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB)	86.04	14.29
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-8.60*	
		For >500, Deduct	*-12.37*	
26 51 19 00-0155	EA	5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC)	52.81	14.29
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 250, Deduct	*-3.18*	
		For >250 To 500, Deduct	*-5.28*	
		For >500, Deduct	*-7.39*	
26 51 19 00-0156	EA	5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H)	67.11	14.29
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-3.89*	
		For >250 To 500, Deduct	*-6.71*	
		For >500, Deduct	*-9.53*	
26 51 19 00-0157	EA	5" LED Trim, White Reflector And Flange (Cooper Halo 592W)	55.69	14.29
		For >50 To 100, Deduct	*-1.93*	
		For >100 To 250, Deduct	*-3.32*	
		For >250 To 500, Deduct	*-5.57*	
		For >500, Deduct	*-7.82*	
26 51 19 00-0158	EA	5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB)	44.00	14.29
		For >50 To 100, Deduct	*-1.64*	
		For >100 To 250, Deduct	*-2.74*	
		For >250 To 500, Deduct	*-4.40*	
		For >500, Deduct	*-6.06*	
26 51 19 00-0159	EA	5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB)	55.17	14.29
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 250, Deduct	*-3.29*	
		For >250 To 500, Deduct	*-5.52*	
		For >500, Deduct	*-7.74*	
26 51 19 00-0160	EA	5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB)	61.97	14.29
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 250, Deduct	*-3.63*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.76*	
26 51 19 00-0161	EA	5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB)	68.04	14.29
		For >50 To 100, Deduct	*-2.24*	
		For >100 To 250, Deduct	*-3.94*	
		For >250 To 500, Deduct	*-6.80*	
		For >500, Deduct	*-9.67*	
26 51 19 00-0162	EA	5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB)	79.88	14.29
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.53*	
		For >250 To 500, Deduct	*-7.99*	
		For >500, Deduct	*-11.45*	
26 51 19 00-0163	EA	5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB)	80.26	14.29
		For >50 To 100, Deduct	*-2.54*	
		For >100 To 250, Deduct	*-4.55*	
		For >250 To 500, Deduct	*-8.03*	
		For >500, Deduct	*-11.50*	
26 51 19 00-0164	EA	5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB)	78.56	14.29
		For >50 To 100, Deduct	*-2.50*	
		For >100 To 250, Deduct	*-4.46*	
		For >250 To 500, Deduct	*-7.86*	
		For >500, Deduct	*-11.25*	
26 51 19 00-0165	EA	5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW)	97.99	14.29
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-9.80*	
		For >500, Deduct	*-14.16*	
26 51 19 00-0166	EA	5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB)	44.41	14.29
		For >50 To 100, Deduct	*-1.65*	
		For >100 To 250, Deduct	*-2.76*	
		For >250 To 500, Deduct	*-4.44*	
		For >500, Deduct	*-6.13*	
26 51 19 00-0167	EA	6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB)	83.20	14.29
		For >50 To 100, Deduct	*-2.62*	
		For >100 To 250, Deduct	*-4.70*	
		For >250 To 500, Deduct	*-8.32*	
		For >500, Deduct	*-11.94*	
26 51 19 00-0168	EA	6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC)	70.12	14.29
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.04*	
		For >250 To 500, Deduct	*-7.01*	
		For >500, Deduct	*-9.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0169	EA	6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H)	65.53	14.29
		For >50 To 100, Deduct	*-2.17*	
		For >100 To 250, Deduct	*-3.81*	
		For >250 To 500, Deduct	*-6.55*	
		For >500, Deduct	*-9.29*	
26 51 19 00-0170	EA	6" LED Trim, White Reflector And Flange (Cooper Halo 692W)	57.97	14.29
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 250, Deduct	*-3.43*	
		For >250 To 500, Deduct	*-5.80*	
		For >500, Deduct	*-8.16*	
26 51 19 00-0171	EA	6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB)	58.51	14.29
		For >50 To 100, Deduct	*-2.00*	
		For >100 To 250, Deduct	*-3.46*	
		For >250 To 500, Deduct	*-5.85*	
		For >500, Deduct	*-8.24*	
26 51 19 00-0172	EA	6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB)	63.37	14.29
		For >50 To 100, Deduct	*-2.12*	
		For >100 To 250, Deduct	*-3.70*	
		For >250 To 500, Deduct	*-6.34*	
		For >500, Deduct	*-8.97*	
26 51 19 00-0173	EA	6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB)	57.67	14.29
		For >50 To 100, Deduct	*-1.98*	
		For >100 To 250, Deduct	*-3.42*	
		For >250 To 500, Deduct	*-5.77*	
		For >500, Deduct	*-8.11*	
26 51 19 00-0174	EA	6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB)	73.15	14.29
		For >50 To 100, Deduct	*-2.36*	
		For >100 To 250, Deduct	*-4.19*	
		For >250 To 500, Deduct	*-7.32*	
		For >500, Deduct	*-10.44*	
26 51 19 00-0175	EA	6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB)	79.68	14.29
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 500, Deduct	*-7.97*	
		For >500, Deduct	*-11.42*	
26 51 19 00-0176	EA	6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB)	101.39	14.29
		For >50 To 100, Deduct	*-3.07*	
		For >100 To 250, Deduct	*-5.61*	
		For >250 To 500, Deduct	*-10.14*	
		For >500, Deduct	*-14.67*	
26 51 19 00-0177	EA	6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB)	98.67	14.29
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-5.47*	
		For >250 To 500, Deduct	*-9.87*	
		For >500, Deduct	*-14.26*	
26 51 19 00-0178	EA	6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW)	99.87	14.29
		For >50 To 100, Deduct	*-3.03*	
		For >100 To 250, Deduct	*-5.53*	
		For >250 To 500, Deduct	*-9.99*	
		For >500, Deduct	*-14.44*	
26 51 19 00-0179	EA	6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB)	59.17	14.29
		For >50 To 100, Deduct	*-2.02*	
		For >100 To 250, Deduct	*-3.49*	
		For >250 To 500, Deduct	*-5.92*	
		For >500, Deduct	*-8.34*	
26 51 19 00-0180	EA	6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT)	51.76	30.61
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 250, Deduct	*-3.74*	
		For >250 To 500, Deduct	*-5.18*	
		For >500, Deduct	*-6.62*	
26 51 19 00-0181	EA	6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT)	57.07	30.61
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.00*	
		For >250 To 500, Deduct	*-5.71*	
		For >500, Deduct	*-7.41*	
26 51 19 00-0182	EA	6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T)	54.94	30.61
		For >50 To 100, Deduct	*-2.52*	
		For >100 To 250, Deduct	*-3.90*	
		For >250 To 500, Deduct	*-5.49*	
		For >500, Deduct	*-7.09*	
26 51 19 00-0183	EA	6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP)	75.89	30.61
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 250, Deduct	*-4.94*	
		For >250 To 500, Deduct	*-7.59*	
		For >500, Deduct	*-10.24*	
26 51 19 00-0184	EA	6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT)	73.43	30.61
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-4.82*	
		For >250 To 500, Deduct	*-7.34*	
		For >500, Deduct	*-9.87*	
26 51 19 00-0185	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT)	57.80	30.61
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.04*	
		For >250 To 500, Deduct	*-5.78*	
		For >500, Deduct	*-7.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0186	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT)	61.38	30.61
		For >50 To 100, Deduct	*-2.68*	
		For >100 To 250, Deduct	*-4.22*	
		For >250 To 500, Deduct	*-6.14*	
		For >500, Deduct	*-8.06*	
26 51 19 00-0187	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT)	57.05	30.61
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.00*	
		For >250 To 500, Deduct	*-5.71*	
		For >500, Deduct	*-7.41*	
26 51 19 00-0188	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT)	60.97	30.61
		For >50 To 100, Deduct	*-2.67*	
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 500, Deduct	*-6.10*	
		For >500, Deduct	*-8.00*	
26 51 19 00-0189	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB)	57.70	30.61
		For >50 To 100, Deduct	*-2.59*	
		For >100 To 250, Deduct	*-4.03*	
		For >250 To 500, Deduct	*-5.77*	
		For >500, Deduct	*-7.51*	
26 51 19 00-0190	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB)	57.33	30.61
		For >50 To 100, Deduct	*-2.58*	
		For >100 To 250, Deduct	*-4.01*	
		For >250 To 500, Deduct	*-5.73*	
		For >500, Deduct	*-7.45*	
26 51 19 00-0191	EA	6" Non-IC, New Construction Housing (Cooper Halo H7T)	60.16	30.61
		For >50 To 100, Deduct	*-2.65*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-6.02*	
		For >500, Deduct	*-7.88*	
26 51 19 00-0192	EA	6" Non-IC, Remodel Housing (Cooper Halo H7RT)	61.70	30.61
		For >50 To 100, Deduct	*-2.69*	
		For >100 To 250, Deduct	*-4.23*	
		For >250 To 500, Deduct	*-6.17*	
		For >500, Deduct	*-8.11*	
26 51 19 00-0193	EA	6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB)	62.19	30.61
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.26*	
		For >250 To 500, Deduct	*-6.22*	
		For >500, Deduct	*-8.18*	
26 51 19 00-0194	EA	6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP)	85.92	30.61
		For >50 To 100, Deduct	*-3.30*	
		For >100 To 250, Deduct	*-5.44*	
		For >250 To 500, Deduct	*-8.59*	
		For >500, Deduct	*-11.74*	
26 51 19 00-0195	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT)	79.96	30.61
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 250, Deduct	*-5.15*	
		For >250 To 500, Deduct	*-8.00*	
		For >500, Deduct	*-10.85*	
26 51 19 00-0196	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT)	80.65	30.61
		For >50 To 100, Deduct	*-3.16*	
		For >100 To 250, Deduct	*-5.18*	
		For >250 To 500, Deduct	*-8.07*	
		For >500, Deduct	*-10.95*	
26 51 19 00-0197	EA	6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT)	84.63	30.61
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-8.46*	
		For >500, Deduct	*-11.55*	
26 51 19 00-0198	EA	6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT)	84.63	30.61
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-8.46*	
		For >500, Deduct	*-11.55*	
26 51 19 00-0199	EA	6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700)	84.63	30.61
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-8.46*	
		For >500, Deduct	*-11.55*	
26 51 19 00-0200	EA	6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R)	84.63	30.61
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-8.46*	
		For >500, Deduct	*-11.55*	
26 51 19 00-0201	EA	6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB)	84.63	30.61
		For >50 To 100, Deduct	*-3.26*	
		For >100 To 250, Deduct	*-5.38*	
		For >250 To 500, Deduct	*-8.46*	
		For >500, Deduct	*-11.55*	
26 51 19 00-0202	EA	6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB)	74.22	30.61
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-9.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0203	EA	6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U)	74.22	30.61
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-9.99*	
26 51 19 00-0204	EA	6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT)	74.22	30.61
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-9.99*	
26 51 19 00-0205	EA	6" Non-IC, New Construction Housing (Cooper Halo ET700)	74.22	30.61
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-9.99*	
26 51 19 00-0206	EA	6" Non-IC, Remodel Housing (Cooper Halo ET700R)	74.22	30.61
		For >50 To 100, Deduct	*-3.00*	
		For >100 To 250, Deduct	*-4.86*	
		For >250 To 500, Deduct	*-7.42*	
		For >500, Deduct	*-9.99*	
26 51 19 00-0207	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT)	74.98	30.61
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-7.50*	
		For >500, Deduct	*-10.10*	
26 51 19 00-0208	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT)	86.68	30.61
		For >50 To 100, Deduct	*-3.32*	
		For >100 To 250, Deduct	*-5.48*	
		For >250 To 500, Deduct	*-8.67*	
		For >500, Deduct	*-11.85*	
26 51 19 00-0209	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT)	74.98	30.61
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-4.90*	
		For >250 To 500, Deduct	*-7.50*	
		For >500, Deduct	*-10.10*	
26 51 19 00-0210	EA	6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT)	83.37	30.61
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 250, Deduct	*-5.32*	
		For >250 To 500, Deduct	*-8.34*	
		For >500, Deduct	*-11.36*	
26 51 19 00-0211	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T)	70.24	30.61
		For >50 To 100, Deduct	*-2.90*	
		For >100 To 250, Deduct	*-4.66*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-9.39*	
26 51 19 00-0212	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT)	71.39	30.61
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 250, Deduct	*-4.72*	
		For >250 To 500, Deduct	*-7.14*	
		For >500, Deduct	*-9.56*	
26 51 19 00-0213	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT)	79.57	30.61
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.79*	
26 51 19 00-0214	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700)	79.57	30.61
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.79*	
26 51 19 00-0215	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R)	79.57	30.61
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.79*	
26 51 19 00-0216	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700)	79.57	30.61
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.79*	
26 51 19 00-0217	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R)	79.57	30.61
		For >50 To 100, Deduct	*-3.14*	
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 500, Deduct	*-7.96*	
		For >500, Deduct	*-10.79*	
26 51 19 00-0218	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK)	67.80	14.29
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 500, Deduct	*-6.78*	
		For >500, Deduct	*-9.63*	
26 51 19 00-0219	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK)	70.18	14.29
		For >50 To 100, Deduct	*-2.29*	
		For >100 To 250, Deduct	*-4.04*	
		For >250 To 500, Deduct	*-7.02*	
		For >500, Deduct	*-9.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0220	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT)	65.06	30.61
		For >50 To 100, Deduct	*-2.77*	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 500, Deduct	*-6.51*	
		For >500, Deduct	*-8.61*	
26 51 19 00-0221	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT)	65.35	30.61
		For >50 To 100, Deduct	*-2.78*	
		For >100 To 250, Deduct	*-4.42*	
		For >250 To 500, Deduct	*-6.54*	
		For >500, Deduct	*-8.65*	
26 51 19 00-0222	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT)	60.41	30.61
		For >50 To 100, Deduct	*-2.66*	
		For >100 To 250, Deduct	*-4.17*	
		For >250 To 500, Deduct	*-6.04*	
		For >500, Deduct	*-7.91*	
26 51 19 00-0223	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT)	62.84	30.61
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.28*	
26 51 19 00-0224	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T)	62.04	30.61
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.25*	
		For >250 To 500, Deduct	*-6.20*	
		For >500, Deduct	*-8.16*	
26 51 19 00-0225	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT)	62.78	30.61
		For >50 To 100, Deduct	*-2.72*	
		For >100 To 250, Deduct	*-4.29*	
		For >250 To 500, Deduct	*-6.28*	
		For >500, Deduct	*-8.27*	
26 51 19 00-0226	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT)	73.18	30.61
		For >50 To 100, Deduct	*-2.98*	
		For >100 To 250, Deduct	*-4.81*	
		For >250 To 500, Deduct	*-7.32*	
		For >500, Deduct	*-9.83*	
26 51 19 00-0227	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT)	73.74	30.61
		For >50 To 100, Deduct	*-2.99*	
		For >100 To 250, Deduct	*-4.84*	
		For >250 To 500, Deduct	*-7.37*	
		For >500, Deduct	*-9.91*	
26 51 19 00-0228	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500)	76.54	30.61
		For >50 To 100, Deduct	*-3.06*	
		For >100 To 250, Deduct	*-4.98*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-10.33*	
26 51 19 00-0229	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R)	78.50	30.61
		For >50 To 100, Deduct	*-3.11*	
		For >100 To 250, Deduct	*-5.07*	
		For >250 To 500, Deduct	*-7.85*	
		For >500, Deduct	*-10.63*	
26 51 19 00-0230	EA	5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT)	87.11	30.61
		For >50 To 100, Deduct	*-3.33*	
		For >100 To 250, Deduct	*-5.50*	
		For >250 To 500, Deduct	*-8.71*	
		For >500, Deduct	*-11.92*	

26 51 19 00-0231 Recessed LED Downlights (Maxlite DLR) *(26 51 19 00-0122)*

26 51 19 00-0232	EA	4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410)	165.84	44.90
		For >50 To 100, Deduct	*-5.83*	
		For >100 To 250, Deduct	*-9.98*	
		For >250 To 500, Deduct	*-16.58*	
		For >500, Deduct	*-23.19*	
26 51 19 00-0233	EA	4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415)	168.37	44.90
		For >50 To 100, Deduct	*-5.89*	
		For >100 To 250, Deduct	*-10.10*	
		For >250 To 500, Deduct	*-16.84*	
		For >500, Deduct	*-23.57*	
26 51 19 00-0234	EA	4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420)	175.95	44.90
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 250, Deduct	*-10.48*	
		For >250 To 500, Deduct	*-17.60*	
		For >500, Deduct	*-24.71*	
26 51 19 00-0235	EA	6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615)	160.78	44.90
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 250, Deduct	*-9.72*	
		For >250 To 500, Deduct	*-16.08*	
		For >500, Deduct	*-22.43*	
26 51 19 00-0236	EA	6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620)	160.78	44.90
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 250, Deduct	*-9.72*	
		For >250 To 500, Deduct	*-16.08*	
		For >500, Deduct	*-22.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0237	EA	6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630)	160.78	44.90
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 250, Deduct	*-9.72*	
		For >250 To 500, Deduct	*-16.08*	
		For >500, Deduct	*-22.43*	
26 51 19 00-0238	EA	8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810)	175.95	44.90
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 250, Deduct	*-10.48*	
		For >250 To 500, Deduct	*-17.60*	
		For >500, Deduct	*-24.71*	
26 51 19 00-0239	EA	8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815)	178.47	44.90
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 250, Deduct	*-10.61*	
		For >250 To 500, Deduct	*-17.85*	
		For >500, Deduct	*-25.09*	
26 51 19 00-0240	EA	8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820)	183.51	44.90
		For >50 To 100, Deduct	*-6.27*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-18.35*	
		For >500, Deduct	*-25.84*	
26 51 19 00-0241	EA	8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830)	198.66	44.90
		For >50 To 100, Deduct	*-6.65*	
		For >100 To 250, Deduct	*-11.62*	
		For >250 To 500, Deduct	*-19.87*	
		For >500, Deduct	*-28.12*	
26 51 19 00-0242	EA	8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850)	218.87	44.90
		For >50 To 100, Deduct	*-7.16*	
		For >100 To 250, Deduct	*-12.63*	
		For >250 To 500, Deduct	*-21.89*	
		For >500, Deduct	*-31.15*	

26 51 19 00-0243 Recessed LED Downlight Retrofits And Trim (CREE®) *(26 51 19 00-0121)*

26 51 19 00-0244 Recessed LED Downlight Retrofits (CREE®) *(26 51 19 00-0243)*

Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.

26 51 19 00-0245	EA	4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L)	106.28	
		For >50 To 100, Deduct	*-3.29*	
		For >100 To 250, Deduct	*-5.95*	
		For >250 To 500, Deduct	*-10.63*	
		For >500, Deduct	*-15.30*	
26 51 19 00-0246	EA	6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L)	93.18	
		For >50 To 100, Deduct	*-2.97*	
		For >100 To 250, Deduct	*-5.30*	
		For >250 To 500, Deduct	*-9.32*	
		For >500, Deduct	*-13.34*	
26 51 19 00-0247	EA	6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L)	119.38	
		For >50 To 100, Deduct	*-3.62*	
		For >100 To 250, Deduct	*-6.61*	
		For >250 To 500, Deduct	*-11.94*	
		For >500, Deduct	*-17.27*	
26 51 19 00-0248	EA	6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277)	134.65	
		For >50 To 100, Deduct	*-4.00*	
		For >100 To 250, Deduct	*-7.37*	
		For >250 To 500, Deduct	*-13.47*	
		For >500, Deduct	*-19.56*	
26 51 19 00-0249	EA	6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR)	147.75	
		For >50 To 100, Deduct	*-4.33*	
		For >100 To 250, Deduct	*-8.03*	
		For >250 To 500, Deduct	*-14.78*	
		For >500, Deduct	*-21.52*	

26 51 19 00-0250 Recessed LED Downlight Retrofits Trim (CREE®) *(26 51 19 00-0243)*

Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.

26 51 19 00-0251	EA	6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX)	37.13	7.14
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.24*	
		For >250 To 500, Deduct	*-3.71*	
		For >500, Deduct	*-5.19*	
26 51 19 00-0252	EA	6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP)	45.87	7.14
		For >50 To 100, Deduct	*-1.53*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.59*	
		For >500, Deduct	*-6.50*	
26 51 19 00-0253	EA	6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB)	39.32	7.14
		For >50 To 100, Deduct	*-1.37*	
		For >100 To 250, Deduct	*-2.35*	
		For >250 To 500, Deduct	*-3.93*	
		For >500, Deduct	*-5.52*	

26 51 19 00-0254 Recessed LED Downlight Fixture Housings (CREE®) *(26 51 19 00-0243)*

Note: Excludes lamp and trim.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0255	EA	6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6)	98.32	30.61
		For >50 To 100, Deduct	*-3.61*	
		For >100 To 250, Deduct	*-6.06*	
		For >250 To 500, Deduct	*-9.83*	
		For >500, Deduct	*-13.60*	
26 51 19 00-0256	EA	6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6)	67.74	30.61
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-4.54*	
		For >250 To 500, Deduct	*-6.77*	
		For >500, Deduct	*-9.01*	
26 51 19 00-0257		Can Retrofit Or Surface Mount, LED Downlights *(26 51 19 00-0121)*		
26 51 19 00-0258	EA	6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6)	90.29	27.96
		For >50 To 100, Deduct	*-3.31*	
		For >100 To 250, Deduct	*-5.56*	
		For >250 To 500, Deduct	*-9.03*	
		For >500, Deduct	*-12.49*	
26 51 19 00-0259	EA	4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D)	71.50	27.96
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-7.15*	
		For >500, Deduct	*-9.68*	
26 51 19 00-0260	EA	6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D)	71.50	27.96
		For >50 To 100, Deduct	*-2.84*	
		For >100 To 250, Deduct	*-4.62*	
		For >250 To 500, Deduct	*-7.15*	
		For >500, Deduct	*-9.68*	
26 51 19 00-0261	EA	6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP)	132.11	27.96
		For Recessed IC/Non-IC Rated Housing For New Construction, Add	*46.73*	
		For >50 To 100, Deduct	*-4.35*	
		For >100 To 250, Deduct	*-7.65*	
		For >250 To 500, Deduct	*-13.21*	
		For >500, Deduct	*-18.77*	
26 51 19 00-0262	EA	4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840)	60.92	27.96
		For >50 To 100, Deduct	*-2.57*	
		For >100 To 250, Deduct	*-4.09*	
		For >250 To 500, Deduct	*-6.09*	
		For >500, Deduct	*-8.09*	
26 51 19 00-0263	EA	5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840)	68.54	27.96
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 250, Deduct	*-4.48*	
		For >250 To 500, Deduct	*-6.85*	
		For >500, Deduct	*-9.23*	
26 51 19 00-0264	EA	6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM)	935.76	27.96
		For >50 To 100, Deduct	*-24.44*	
		For >100 To 250, Deduct	*-47.84*	
		For >250 To 500, Deduct	*-93.58*	
		For >500, Deduct	*-139.32*	
26 51 19 00-0265		Wall Mount LED Cylinder Downlight *(26 51 19 00-0001)*		
26 51 19 00-0266	EA	9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9)	397.54	43.44
		For >50 To 100, Deduct	*-11.57*	
		For >100 To 250, Deduct	*-21.51*	
		For >250 To 500, Deduct	*-39.75*	
		For >500, Deduct	*-58.00*	
26 51 19 00-0267		Wall Sconce And Wall Wash LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0268		LED Wall Sconce Fixtures (Hudson Valley Lighting) *(26 51 19 00-0267)*		
26 51 19 00-0269	EA	2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN)	528.13	40.82
		For >50 To 100, Deduct	*-14.73*	
		For >100 To 250, Deduct	*-27.94*	
		For >250 To 500, Deduct	*-52.81*	
		For >500, Deduct	*-77.69*	
26 51 19 00-0270		LED Wall Sconce Fixtures (Kichler) *(26 51 19 00-0267)*		
26 51 19 00-0271	EA	6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED)	287.30	40.82
		For >50 To 100, Deduct	*-8.71*	
		For >100 To 250, Deduct	*-15.90*	
		For >250 To 500, Deduct	*-28.73*	
		For >500, Deduct	*-41.56*	
26 51 19 00-0272		LED Wall Sconce Fixtures (Metalux) *(26 51 19 00-0267)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0273	EA	9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN)	133.37	40.82
		For >50 To 100, Deduct	*-4.87*	
		For >100 To 250, Deduct	*-8.20*	
		For >250 To 500, Deduct	*-13.34*	
		For >500, Deduct	*-18.47*	
26 51 19 00-0274	EA	5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH)	115.61	40.82
		For >50 To 100, Deduct	*-4.42*	
		For >100 To 250, Deduct	*-7.31*	
		For >250 To 500, Deduct	*-11.56*	
		For >500, Deduct	*-15.81*	
26 51 19 00-0275		Concealed Continuous LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0276		Concealed Continuous LED Fixtures (Fraqtir™ S301) *(26 51 19 00-0275)*		
26 51 19 00-0277	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301)	737.43	4.66
		For >50 To 100, Deduct	*-18.67*	
		For >100 To 250, Deduct	*-37.10*	
		For >250 To 500, Deduct	*-73.74*	
		For >500, Deduct	*-110.38*	
26 51 19 00-0278	LF	Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301)	841.10	4.66
		For >50 To 100, Deduct	*-21.26*	
		For >100 To 250, Deduct	*-42.29*	
		For >250 To 500, Deduct	*-84.11*	
		For >500, Deduct	*-125.93*	
26 51 19 00-0279		Low Bay LED Fixtures *(26 51 19 00-0001)*		
26 51 19 00-0280		LED Linear Low Bay Fixtures (PlanLED) *(26 51 19 00-0279)*		
26 51 19 00-0281	EA	4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4)	355.65	55.93
		For >50 To 100, Deduct	*-11.22*	
		For >100 To 250, Deduct	*-20.11*	
		For >250 To 500, Deduct	*-35.57*	
		For >500, Deduct	*-51.02*	
26 51 19 00-0282	EA	4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A)	491.24	55.93
		For >50 To 100, Deduct	*-14.61*	
		For >100 To 250, Deduct	*-26.89*	
		For >250 To 500, Deduct	*-49.12*	
		For >500, Deduct	*-71.36*	
26 51 19 00-0283	EA	8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A)	827.28	69.91
		For >50 To 100, Deduct	*-23.60*	
		For >100 To 250, Deduct	*-44.28*	
		For >250 To 500, Deduct	*-82.73*	
		For >500, Deduct	*-121.18*	
26 51 19 00-0284		LED Low Bay Fixtures (CREE®) *(26 51 19 00-0279)*		
26 51 19 00-0285		LED Low Bay Fixtures (CREE® LS) *(26 51 19 00-0284)*		
		Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0286	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V)	310.31	55.93
		For >50 To 100, Deduct	*-10.09*	
		For >100 To 250, Deduct	*-17.85*	
		For >250 To 500, Deduct	*-31.03*	
		For >500, Deduct	*-44.22*	
26 51 19 00-0287	EA	2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V)	332.57	55.93
		For >50 To 100, Deduct	*-10.64*	
		For >100 To 250, Deduct	*-18.96*	
		For >250 To 500, Deduct	*-33.26*	
		For >500, Deduct	*-47.56*	
26 51 19 00-0288	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V)	319.59	55.93
		For >50 To 100, Deduct	*-10.32*	
		For >100 To 250, Deduct	*-18.31*	
		For >250 To 500, Deduct	*-31.96*	
		For >500, Deduct	*-45.61*	
26 51 19 00-0289	EA	4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V)	341.85	55.93
		For >50 To 100, Deduct	*-10.88*	
		For >100 To 250, Deduct	*-19.42*	
		For >250 To 500, Deduct	*-34.19*	
		For >500, Deduct	*-48.95*	
26 51 19 00-0290	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V)	358.55	55.93
		For >50 To 100, Deduct	*-11.29*	
		For >100 To 250, Deduct	*-20.26*	
		For >250 To 500, Deduct	*-35.86*	
		For >500, Deduct	*-51.45*	
26 51 19 00-0291	EA	5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V)	380.82	55.93
		For >50 To 100, Deduct	*-11.85*	
		For >100 To 250, Deduct	*-21.37*	
		For >250 To 500, Deduct	*-38.08*	
		For >500, Deduct	*-54.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0292	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V)	506.17	69.91
		For >50 To 100, Deduct	*-15.57*	
		For >100 To 250, Deduct	*-28.22*	
		For >250 To 500, Deduct	*-50.62*	
		For >500, Deduct	*-73.01*	
26 51 19 00-0293	EA	8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V)	546.99	69.91
		For >50 To 100, Deduct	*-16.59*	
		For >100 To 250, Deduct	*-30.26*	
		For >250 To 500, Deduct	*-54.70*	
		For >500, Deduct	*-79.14*	
26 51 19 00-0294	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V)	632.34	69.91
		For >50 To 100, Deduct	*-18.72*	
		For >100 To 250, Deduct	*-34.53*	
		For >250 To 500, Deduct	*-63.23*	
		For >500, Deduct	*-91.94*	
26 51 19 00-0295	EA	10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V)	654.60	69.91
		For >50 To 100, Deduct	*-19.28*	
		For >100 To 250, Deduct	*-35.64*	
		For >250 To 500, Deduct	*-65.46*	
		For >500, Deduct	*-95.28*	

26 51 19 00-0296 LED Low Bay Fixtures (CREE® LN) *(26 51 19 00-0284)*

Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.

26 51 19 00-0297	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V)	722.22	55.93
		For >50 To 100, Deduct	*-20.39*	
		For >100 To 250, Deduct	*-38.44*	
		For >250 To 500, Deduct	*-72.22*	
		For >500, Deduct	*-106.00*	
26 51 19 00-0298	EA	3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA)	814.99	55.93
		For >50 To 100, Deduct	*-22.71*	
		For >100 To 250, Deduct	*-43.08*	
		For >250 To 500, Deduct	*-81.50*	
		For >500, Deduct	*-119.92*	

26 51 19 00-0299 LED Linear Low Bay Fixtures (CREE® CS) *(26 51 19 00-0284)*

Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.

26 51 19 00-0300	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™)	699.33	55.93
		For >50 To 100, Deduct	*-19.81*	
		For >100 To 250, Deduct	*-37.30*	
		For >250 To 500, Deduct	*-69.93*	
		For >500, Deduct	*-102.57*	
26 51 19 00-0301	EA	7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	868.88	69.91
		For >50 To 100, Deduct	*-24.64*	
		For >100 To 250, Deduct	*-46.36*	
		For >250 To 500, Deduct	*-86.89*	
		For >500, Deduct	*-127.42*	
26 51 19 00-0302	EA	8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™)	1,111.18	69.91
		For >50 To 100, Deduct	*-30.69*	
		For >100 To 250, Deduct	*-58.47*	
		For >250 To 500, Deduct	*-111.12*	
		For >500, Deduct	*-163.76*	

26 51 19 00-0303 Accessories For LED Low Bay Fixtures (CREE®) *(26 51 19 00-0284)*

26 51 19 00-0304	EA	Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK)	58.31	15.34
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.83*	
		For >500, Deduct	*-8.11*	
26 51 19 00-0305	EA	Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK)	64.86	15.34
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-3.88*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-9.09*	
26 51 19 00-0306	EA	Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ)	47.38	15.34
		For >50 To 100, Deduct	*-1.82*	
		For >100 To 250, Deduct	*-3.01*	
		For >250 To 500, Deduct	*-4.74*	
		For >500, Deduct	*-6.47*	
26 51 19 00-0307	EA	Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ)	36.47	15.34
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 250, Deduct	*-2.46*	
		For >250 To 500, Deduct	*-3.65*	
		For >500, Deduct	*-4.83*	
26 51 19 00-0308	EA	Solid Reflector, Pair (Cree® LS4-SR)	134.70	15.34
		For >50 To 100, Deduct	*-4.01*	
		For >100 To 250, Deduct	*-7.37*	
		For >250 To 500, Deduct	*-13.47*	
		For >500, Deduct	*-19.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0309	EA	Solid Reflector, Pair (Cree® LS8-SR)	189.29	15.34
		For >50 To 100, Deduct	*-5.37*	
		For >100 To 250, Deduct	*-10.10*	
		For >250 To 500, Deduct	*-18.93*	
		For >500, Deduct	*-27.75*	
26 51 19 00-0310	EA	5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB)	64.86	15.34
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-3.88*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-9.09*	
26 51 19 00-0311	EA	5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB)	95.42	15.34
		For >50 To 100, Deduct	*-3.02*	
		For >100 To 250, Deduct	*-5.41*	
		For >250 To 500, Deduct	*-9.54*	
		For >500, Deduct	*-13.67*	
26 51 19 00-0312	EA	5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB)	73.58	15.34
		For >50 To 100, Deduct	*-2.48*	
		For >100 To 250, Deduct	*-4.32*	
		For >250 To 500, Deduct	*-7.36*	
		For >500, Deduct	*-10.40*	
26 51 19 00-0313	EA	5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB)	101.97	15.34
		For >50 To 100, Deduct	*-3.19*	
		For >100 To 250, Deduct	*-5.74*	
		For >250 To 500, Deduct	*-10.20*	
		For >500, Deduct	*-14.66*	
26 51 19 00-0314	EA	5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB)	108.52	15.34
		For >50 To 100, Deduct	*-3.35*	
		For >100 To 250, Deduct	*-6.07*	
		For >250 To 500, Deduct	*-10.85*	
		For >500, Deduct	*-15.64*	
26 51 19 00-0315	EA	5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB)	91.04	15.34
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 250, Deduct	*-5.19*	
		For >250 To 500, Deduct	*-9.10*	
		For >500, Deduct	*-13.02*	
26 51 19 00-0316	EA	5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB)	141.25	15.34
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 250, Deduct	*-7.70*	
		For >250 To 500, Deduct	*-14.13*	
		For >500, Deduct	*-20.55*	
26 51 19 00-0317	EA	Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC)	69.22	15.34
		For >50 To 100, Deduct	*-2.37*	
		For >100 To 250, Deduct	*-4.10*	
		For >250 To 500, Deduct	*-6.92*	
		For >500, Deduct	*-9.74*	
26 51 19 00-0318	EA	Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC)	86.68	15.34
		For >50 To 100, Deduct	*-2.81*	
		For >100 To 250, Deduct	*-4.97*	
		For >250 To 500, Deduct	*-8.67*	
		For >500, Deduct	*-12.36*	
26 51 19 00-0319	EA	Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC)	64.86	15.34
		For >50 To 100, Deduct	*-2.26*	
		For >100 To 250, Deduct	*-3.88*	
		For >250 To 500, Deduct	*-6.49*	
		For >500, Deduct	*-9.09*	
26 51 19 00-0320	EA	Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W)	1,420.23	37.29
		For >50 To 100, Deduct	*-36.90*	
		For >100 To 250, Deduct	*-72.41*	
		For >250 To 500, Deduct	*-142.02*	
		For >500, Deduct	*-211.64*	
26 51 19 00-0321	EA	120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120)	492.50	37.29
		For >50 To 100, Deduct	*-13.71*	
		For >100 To 250, Deduct	*-26.02*	
		For >250 To 500, Deduct	*-49.25*	
		For >500, Deduct	*-72.48*	

26 51 19 00-0322 LED Linear Low Bay Fixtures (Lithonia MSL) *(26 51 19 00-0279)*

Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.

26 51 19 00-0323	EA	4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL)	983.93	55.93
		For >50 To 100, Deduct	*-26.93*	
		For >100 To 250, Deduct	*-51.53*	
		For >250 To 500, Deduct	*-98.39*	
		For >500, Deduct	*-145.26*	

26 51 19 00-0324 High Bay LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0325 LED High Bay Fixtures (Columbia Lighting LWS) *(26 51 19 00-0324)*

26 51 19 00-0326	EA	16" x 24", 7,909 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-LW-W-EU)	462.26	102.54
		For >50 To 100, Deduct	*-16.68*	
		For >100 To 250, Deduct	*-28.24*	
		For >250 To 500, Deduct	*-46.23*	
		For >500, Deduct	*-64.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0327	EA	16" x 24", 8,526 Lumens, 58.8 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-LW-W-EU)	462.26	102.54
		For >50 To 100, Deduct	*-16.68*	
		For >100 To 250, Deduct	*-28.24*	
		For >250 To 500, Deduct	*-46.23*	
		For >500, Deduct	*-64.21*	
26 51 19 00-0328	EA	16" x 24", 11,812 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-ML-W-EU)	523.98	102.54
		For >50 To 100, Deduct	*-18.23*	
		For >100 To 250, Deduct	*-31.33*	
		For >250 To 500, Deduct	*-52.40*	
		For >500, Deduct	*-73.47*	
26 51 19 00-0329	EA	16" x 24", 12,734 Lumens, 82.9 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-ML-W-EU)	523.98	102.54
		For >50 To 100, Deduct	*-18.23*	
		For >100 To 250, Deduct	*-31.33*	
		For >250 To 500, Deduct	*-52.40*	
		For >500, Deduct	*-73.47*	
26 51 19 00-0330	EA	16" x 24", 14,813 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-HL-W-EU)	626.85	102.54
		For >50 To 100, Deduct	*-20.80*	
		For >100 To 250, Deduct	*-36.47*	
		For >250 To 500, Deduct	*-62.69*	
		For >500, Deduct	*-88.90*	
26 51 19 00-0331	EA	16" x 24", 15,968 Lumens, 112.5 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-HL-W-EU)	626.85	102.54
		For >50 To 100, Deduct	*-20.80*	
		For >100 To 250, Deduct	*-36.47*	
		For >250 To 500, Deduct	*-62.69*	
		For >500, Deduct	*-88.90*	
26 51 19 00-0332	EA	16" x 24", 18,714 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-VL-W-EU)	668.00	102.54
		For >50 To 100, Deduct	*-21.83*	
		For >100 To 250, Deduct	*-38.53*	
		For >250 To 500, Deduct	*-66.80*	
		For >500, Deduct	*-95.07*	
26 51 19 00-0333	EA	16" x 24", 19,511 Lumens, 137.1 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-VL-W-EU)	668.00	102.54
		For >50 To 100, Deduct	*-21.83*	
		For >100 To 250, Deduct	*-38.53*	
		For >250 To 500, Deduct	*-66.80*	
		For >500, Deduct	*-95.07*	
26 51 19 00-0334	EA	16" x 24", 22,994 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-30-XL-W-EU)	698.86	102.54
		For >50 To 100, Deduct	*-22.60*	
		For >100 To 250, Deduct	*-40.07*	
		For >250 To 500, Deduct	*-69.89*	
		For >500, Deduct	*-99.70*	
26 51 19 00-0335	EA	16" x 24", 24,787 Lumens, 174 Watt, LED Suspended High Bay/Low Bay Fixture (Columbia LWS-50-XL-W-EU)	698.86	102.54
		For >50 To 100, Deduct	*-22.60*	
		For >100 To 250, Deduct	*-40.07*	
		For >250 To 500, Deduct	*-69.89*	
		For >500, Deduct	*-99.70*	

26 51 19 00-0336 LED High Bay Fixtures (Cree) *(26 51 19 00-0324)*

26 51 19 00-0337 LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0338	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V)	834.09	102.54
		For >50 To 100, Deduct	*-25.98*	
		For >100 To 250, Deduct	*-46.83*	
		For >250 To 500, Deduct	*-83.41*	
		For >500, Deduct	*-119.99*	
26 51 19 00-0339	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML)	1,012.75	102.54
		For >50 To 100, Deduct	*-30.45*	
		For >100 To 250, Deduct	*-55.76*	
		For >250 To 500, Deduct	*-101.28*	
		For >500, Deduct	*-146.79*	
26 51 19 00-0340	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V)	925.45	102.54
		For >50 To 100, Deduct	*-28.26*	
		For >100 To 250, Deduct	*-51.40*	
		For >250 To 500, Deduct	*-92.55*	
		For >500, Deduct	*-133.69*	
26 51 19 00-0341	EA	18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML)	1,067.34	102.54
		For >50 To 100, Deduct	*-31.81*	
		For >100 To 250, Deduct	*-58.49*	
		For >250 To 500, Deduct	*-106.73*	
		For >500, Deduct	*-154.97*	
26 51 19 00-0342	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V)	865.63	102.54
		For >50 To 100, Deduct	*-26.77*	
		For >100 To 250, Deduct	*-48.41*	
		For >250 To 500, Deduct	*-86.56*	
		For >500, Deduct	*-124.72*	
26 51 19 00-0343	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML)	1,045.50	102.54
		For >50 To 100, Deduct	*-31.26*	
		For >100 To 250, Deduct	*-57.40*	
		For >250 To 500, Deduct	*-104.55*	
		For >500, Deduct	*-151.70*	
26 51 19 00-0344	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V)	958.18	102.54
		For >50 To 100, Deduct	*-29.08*	
		For >100 To 250, Deduct	*-53.04*	
		For >250 To 500, Deduct	*-95.82*	
		For >500, Deduct	*-138.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0345	EA	24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML)	1,100.07	102.54
		For >50 To 100, Deduct	*-32.63*	
		For >100 To 250, Deduct	*-60.13*	
		For >250 To 500, Deduct	*-110.01*	
		For >500, Deduct	*-159.88*	

26 51 19 00-0346 Accessories For LED High Bay Fixtures (CREE®) *(26 51 19 00-0336)*

26 51 19 00-0347	EA	15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P)	58.31	15.34
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.83*	
		For >500, Deduct	*-8.11*	
26 51 19 00-0348	EA	15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P)	58.31	15.34
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.83*	
		For >500, Deduct	*-8.11*	
26 51 19 00-0349	EA	16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N)	80.13	15.34
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-4.65*	
		For >250 To 500, Deduct	*-8.01*	
		For >500, Deduct	*-11.38*	
26 51 19 00-0350	EA	16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16)	123.79	15.34
		For >50 To 100, Deduct	*-3.73*	
		For >100 To 250, Deduct	*-6.83*	
		For >250 To 500, Deduct	*-12.38*	
		For >500, Deduct	*-17.93*	
26 51 19 00-0351	EA	16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16)	145.63	15.34
		For >50 To 100, Deduct	*-4.28*	
		For >100 To 250, Deduct	*-7.92*	
		For >250 To 500, Deduct	*-14.56*	
		For >500, Deduct	*-21.21*	
26 51 19 00-0352	EA	16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16)	80.13	15.34
		For >50 To 100, Deduct	*-2.64*	
		For >100 To 250, Deduct	*-4.65*	
		For >250 To 500, Deduct	*-8.01*	
		For >500, Deduct	*-11.38*	
26 51 19 00-0353	EA	16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16)	82.32	15.34
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 250, Deduct	*-4.76*	
		For >250 To 500, Deduct	*-8.23*	
		For >500, Deduct	*-11.71*	
26 51 19 00-0354	EA	16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A)	58.31	15.34
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 250, Deduct	*-3.55*	
		For >250 To 500, Deduct	*-5.83*	
		For >500, Deduct	*-8.11*	
26 51 19 00-0355	EA	16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP)	62.67	15.34
		For >50 To 100, Deduct	*-2.21*	
		For >100 To 250, Deduct	*-3.77*	
		For >250 To 500, Deduct	*-6.27*	
		For >500, Deduct	*-8.76*	
26 51 19 00-0356	EA	5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5)	38.66	15.34
		For >50 To 100, Deduct	*-1.61*	
		For >100 To 250, Deduct	*-2.57*	
		For >250 To 500, Deduct	*-3.87*	
		For >500, Deduct	*-5.16*	
26 51 19 00-0357	EA	10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10)	40.85	15.34
		For >50 To 100, Deduct	*-1.66*	
		For >100 To 250, Deduct	*-2.68*	
		For >250 To 500, Deduct	*-4.09*	
		For >500, Deduct	*-5.49*	

26 51 19 00-0358 LED High Bay Fixtures (DLE) *(26 51 19 00-0324)*

26 51 19 00-0359	EA	12,000 Lumens, 120 Watt, LED High Bay Fixture (DLE-12-ST/HV)	1,427.59	102.54
		For >50 To 100, Deduct	*-40.82*	
		For >100 To 250, Deduct	*-76.51*	
		For >250 To 500, Deduct	*-142.76*	
		For >500, Deduct	*-209.01*	
26 51 19 00-0360	EA	18,000 Lumens, 180 Watt, LED High Bay Fixture (DLE-18-ST/HV)	1,764.38	102.54
		For >50 To 100, Deduct	*-49.24*	
		For >100 To 250, Deduct	*-93.35*	
		For >250 To 500, Deduct	*-176.44*	
		For >500, Deduct	*-259.53*	
26 51 19 00-0361	EA	24,000 Lumens, 230 Watt, LED High Bay Fixture (DLE-24-ST/HV)	2,077.11	102.54
		For >50 To 100, Deduct	*-57.06*	
		For >100 To 250, Deduct	*-108.98*	
		For >250 To 500, Deduct	*-207.71*	
		For >500, Deduct	*-306.44*	

26 51 19 00-0362 LED High Bay Fixtures (Everlast) *(26 51 19 00-0324)*

26 51 19 00-0363 LED High Bay Fixtures (Everlast EL-LED-LG) *(26 51 19 00-0362)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0364	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	948.65	102.54
		For >50 To 100, Deduct	*-28.84*	
		For >100 To 250, Deduct	*-52.56*	
		For >250 To 500, Deduct	*-94.87*	
		For >500, Deduct	*-137.17*	
26 51 19 00-0365	EA	13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,005.51	102.54
		For >50 To 100, Deduct	*-30.27*	
		For >100 To 250, Deduct	*-55.40*	
		For >250 To 500, Deduct	*-100.55*	
		For >500, Deduct	*-145.70*	
26 51 19 00-0366	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	891.79	102.54
		For >50 To 100, Deduct	*-27.42*	
		For >100 To 250, Deduct	*-49.72*	
		For >250 To 500, Deduct	*-89.18*	
		For >500, Deduct	*-128.64*	
26 51 19 00-0367	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	915.85	102.54
		For >50 To 100, Deduct	*-28.02*	
		For >100 To 250, Deduct	*-50.92*	
		For >250 To 500, Deduct	*-91.59*	
		For >500, Deduct	*-132.25*	
26 51 19 00-0368	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC)	1,047.06	102.54
		For >50 To 100, Deduct	*-31.30*	
		For >100 To 250, Deduct	*-57.48*	
		For >250 To 500, Deduct	*-104.71*	
		For >500, Deduct	*-151.93*	
26 51 19 00-0369	EA	17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO)	1,145.47	102.54
		For >50 To 100, Deduct	*-33.76*	
		For >100 To 250, Deduct	*-62.40*	
		For >250 To 500, Deduct	*-114.55*	
		For >500, Deduct	*-166.69*	
26 51 19 00-0370	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16)	994.58	102.54
		For >50 To 100, Deduct	*-29.99*	
		For >100 To 250, Deduct	*-54.86*	
		For >250 To 500, Deduct	*-99.46*	
		For >500, Deduct	*-144.06*	
26 51 19 00-0371	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22)	1,079.87	102.54
		For >50 To 100, Deduct	*-32.12*	
		For >100 To 250, Deduct	*-59.12*	
		For >250 To 500, Deduct	*-107.99*	
		For >500, Deduct	*-156.85*	
26 51 19 00-0372	EA	34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,593.80	102.54
		For >50 To 100, Deduct	*-44.97*	
		For >100 To 250, Deduct	*-84.82*	
		For >250 To 500, Deduct	*-159.38*	
		For >500, Deduct	*-233.94*	
26 51 19 00-0373	EA	43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	1,746.88	102.54
		For >50 To 100, Deduct	*-48.80*	
		For >100 To 250, Deduct	*-92.47*	
		For >250 To 500, Deduct	*-174.69*	
		For >500, Deduct	*-256.90*	
26 51 19 00-0374	EA	66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30)	2,184.27	102.54
		For >50 To 100, Deduct	*-59.73*	
		For >100 To 250, Deduct	*-114.34*	
		For >250 To 500, Deduct	*-218.43*	
		For >500, Deduct	*-322.51*	

26 51 19 00-0375 LED High Bay Fixtures (Everlast EL-LED-CS) *(26 51 19 00-0362)*

26 51 19 00-0376	EA	5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	576.87	102.54
		For >50 To 100, Deduct	*-19.55*	
		For >100 To 250, Deduct	*-33.97*	
		For >250 To 500, Deduct	*-57.69*	
		For >500, Deduct	*-81.40*	
26 51 19 00-0377	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	872.11	102.54
		For >50 To 100, Deduct	*-26.93*	
		For >100 To 250, Deduct	*-48.73*	
		For >250 To 500, Deduct	*-87.21*	
		For >500, Deduct	*-125.69*	
26 51 19 00-0378	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,003.32	102.54
		For >50 To 100, Deduct	*-30.21*	
		For >100 To 250, Deduct	*-55.29*	
		For >250 To 500, Deduct	*-100.33*	
		For >500, Deduct	*-145.37*	
26 51 19 00-0379	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,156.41	102.54
		For >50 To 100, Deduct	*-34.04*	
		For >100 To 250, Deduct	*-62.95*	
		For >250 To 500, Deduct	*-115.64*	
		For >500, Deduct	*-168.33*	
26 51 19 00-0380	EA	30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS)	1,254.82	102.54
		For >50 To 100, Deduct	*-36.50*	
		For >100 To 250, Deduct	*-67.87*	
		For >250 To 500, Deduct	*-125.48*	
		For >500, Deduct	*-183.10*	

26 51 19 00-0381 LED High Bay Fixtures (Everlast EL-LED-HB-LG) *(26 51 19 00-0362)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0382	EA	10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	773.69	102.54
		For >50 To 100, Deduct	*-24.47*	
		For >100 To 250, Deduct	*-43.81*	
		For >250 To 500, Deduct	*-77.37*	
		For >500, Deduct	*-110.93*	
26 51 19 00-0383	EA	15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	828.37	102.54
		For >50 To 100, Deduct	*-25.84*	
		For >100 To 250, Deduct	*-46.55*	
		For >250 To 500, Deduct	*-82.84*	
		For >500, Deduct	*-119.13*	
26 51 19 00-0384	EA	20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG)	904.91	102.54
		For >50 To 100, Deduct	*-27.75*	
		For >100 To 250, Deduct	*-50.37*	
		For >250 To 500, Deduct	*-90.49*	
		For >500, Deduct	*-130.61*	

26 51 19 00-0385 LED High Bay Fixtures (Everlast EL-LED-LHB) *(26 51 19 00-0362)*

26 51 19 00-0386	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	786.82	102.54
		For >50 To 100, Deduct	*-24.80*	
		For >100 To 250, Deduct	*-44.47*	
		For >250 To 500, Deduct	*-78.68*	
		For >500, Deduct	*-112.90*	
26 51 19 00-0387	EA	26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	981.45	102.54
		For >50 To 100, Deduct	*-29.66*	
		For >100 To 250, Deduct	*-54.20*	
		For >250 To 500, Deduct	*-98.15*	
		For >500, Deduct	*-142.09*	
26 51 19 00-0388	EA	39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB)	1,232.95	102.54
		For >50 To 100, Deduct	*-35.95*	
		For >100 To 250, Deduct	*-66.77*	
		For >250 To 500, Deduct	*-123.30*	
		For >500, Deduct	*-179.82*	

26 51 19 00-0389 LED High Bay Fixtures (Lithonia IBG) *(26 51 19 00-0324)*

26 51 19 00-0390	EA	8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT)	429.58	100.67
		For >50 To 100, Deduct	*-14.57*	
		For >100 To 250, Deduct	*-25.31*	
		For >250 To 500, Deduct	*-42.96*	
		For >500, Deduct	*-60.61*	
26 51 19 00-0391	EA	12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT)	448.37	100.67
		For >50 To 100, Deduct	*-15.04*	
		For >100 To 250, Deduct	*-26.25*	
		For >250 To 500, Deduct	*-44.84*	
		For >500, Deduct	*-63.43*	
26 51 19 00-0392	EA	15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT)	490.65	100.67
		For >50 To 100, Deduct	*-16.10*	
		For >100 To 250, Deduct	*-28.36*	
		For >250 To 500, Deduct	*-49.07*	
		For >500, Deduct	*-69.77*	
26 51 19 00-0393	EA	18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT)	557.40	100.67
		For >50 To 100, Deduct	*-17.76*	
		For >100 To 250, Deduct	*-31.70*	
		For >250 To 500, Deduct	*-55.74*	
		For >500, Deduct	*-79.78*	
26 51 19 00-0394	EA	24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT)	611.74	100.67
		For >50 To 100, Deduct	*-19.12*	
		For >100 To 250, Deduct	*-34.42*	
		For >250 To 500, Deduct	*-61.17*	
		For >500, Deduct	*-87.93*	
26 51 19 00-0395	EA	30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT)	739.49	100.67
		For >50 To 100, Deduct	*-22.32*	
		For >100 To 250, Deduct	*-40.80*	
		For >250 To 500, Deduct	*-73.95*	
		For >500, Deduct	*-107.09*	
26 51 19 00-0396	EA	36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT)	902.58	100.67
		For >50 To 100, Deduct	*-26.39*	
		For >100 To 250, Deduct	*-48.96*	
		For >250 To 500, Deduct	*-90.26*	
		For >500, Deduct	*-131.56*	
26 51 19 00-0397	EA	48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT)	1,306.09	102.54
		For >50 To 100, Deduct	*-37.78*	
		For >100 To 250, Deduct	*-70.43*	
		For >250 To 500, Deduct	*-130.61*	
		For >500, Deduct	*-190.79*	

26 51 19 00-0398 LED High Bay Fixtures (Lithonia IBL) *(26 51 19 00-0324)*

26 51 19 00-0399	EA	9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L)	599.02	102.54
		For >50 To 100, Deduct	*-20.10*	
		For >100 To 250, Deduct	*-35.08*	
		For >250 To 500, Deduct	*-59.90*	
		For >500, Deduct	*-84.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0400	EA	12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L)	650.46	102.54
		For >50 To 100, Deduct	*-21.39*	
		For >100 To 250, Deduct	*-37.65*	
		For >250 To 500, Deduct	*-65.05*	
		For >500, Deduct	*-92.44*	
26 51 19 00-0401	EA	18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L)	789.33	102.54
		For >50 To 100, Deduct	*-24.86*	
		For >100 To 250, Deduct	*-44.59*	
		For >250 To 500, Deduct	*-78.93*	
		For >500, Deduct	*-113.27*	
26 51 19 00-0402	EA	24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L)	844.88	102.54
		For >50 To 100, Deduct	*-26.25*	
		For >100 To 250, Deduct	*-47.37*	
		For >250 To 500, Deduct	*-84.49*	
		For >500, Deduct	*-121.60*	

26 51 19 00-0403 LED High Bay Fixtures (Metalux SSLED) *(26 51 19 00-0324)*

26 51 19 00-0404	EA	12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U)	714.96	102.54
		For >50 To 100, Deduct	*-23.00*	
		For >100 To 250, Deduct	*-40.88*	
		For >250 To 500, Deduct	*-71.50*	
		For >500, Deduct	*-102.12*	
26 51 19 00-0405	EA	15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U)	734.99	102.54
		For >50 To 100, Deduct	*-23.50*	
		For >100 To 250, Deduct	*-41.88*	
		For >250 To 500, Deduct	*-73.50*	
		For >500, Deduct	*-105.12*	
26 51 19 00-0406	EA	18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U)	743.06	102.54
		For >50 To 100, Deduct	*-23.70*	
		For >100 To 250, Deduct	*-42.28*	
		For >250 To 500, Deduct	*-74.31*	
		For >500, Deduct	*-106.33*	
26 51 19 00-0407	EA	24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U)	819.86	102.54
		For >50 To 100, Deduct	*-25.62*	
		For >100 To 250, Deduct	*-46.12*	
		For >250 To 500, Deduct	*-81.99*	
		For >500, Deduct	*-117.85*	
26 51 19 00-0408	EA	30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U)	909.32	102.54
		For >50 To 100, Deduct	*-27.86*	
		For >100 To 250, Deduct	*-50.59*	
		For >250 To 500, Deduct	*-90.93*	
		For >500, Deduct	*-131.27*	
26 51 19 00-0409	EA	36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U)	942.89	102.54
		For >50 To 100, Deduct	*-28.70*	
		For >100 To 250, Deduct	*-52.27*	
		For >250 To 500, Deduct	*-94.29*	
		For >500, Deduct	*-136.31*	

26 51 19 00-0410 LED High Bay Fixtures (PlanLED) *(26 51 19 00-0324)*

26 51 19 00-0411 LED High Bay Fixtures (PlanLED LUNA) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0412	EA	7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70)	922.41	102.54
		For >50 To 100, Deduct	*-28.19*	
		For >100 To 250, Deduct	*-51.25*	
		For >250 To 500, Deduct	*-92.24*	
		For >500, Deduct	*-133.23*	
26 51 19 00-0413	EA	9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98)	1,044.87	102.54
		For >50 To 100, Deduct	*-31.25*	
		For >100 To 250, Deduct	*-57.37*	
		For >250 To 500, Deduct	*-104.49*	
		For >500, Deduct	*-151.60*	
26 51 19 00-0414	EA	13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130)	1,222.02	102.54
		For >50 To 100, Deduct	*-35.68*	
		For >100 To 250, Deduct	*-66.23*	
		For >250 To 500, Deduct	*-122.20*	
		For >500, Deduct	*-178.18*	
26 51 19 00-0415	EA	16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160)	1,394.79	102.54
		For >50 To 100, Deduct	*-40.00*	
		For >100 To 250, Deduct	*-74.87*	
		For >250 To 500, Deduct	*-139.48*	
		For >500, Deduct	*-204.09*	

26 51 19 00-0416 LED High Bay Fixtures (PlanLED IBL) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0417	EA	13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W)	1,009.88	102.54
		For 480 Volt, Add	*61.39*	
		For >50 To 100, Deduct	*-30.37*	
		For >100 To 250, Deduct	*-55.62*	
		For >250 To 500, Deduct	*-100.99*	
		For >500, Deduct	*-146.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0418	EA	21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W)	1,436.34	102.54
		For 480 Volt, Add	*77.79*	
		For >50 To 100, Deduct	*-41.04*	
		For >100 To 250, Deduct	*-76.94*	
		For >250 To 500, Deduct	*-143.63*	
		For >500, Deduct	*-210.32*	
26 51 19 00-0419	EA	42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W)	2,610.72	102.54
		For 480 Volt, Add	*123.44*	
		For >50 To 100, Deduct	*-70.40*	
		For >100 To 250, Deduct	*-135.66*	
		For >250 To 500, Deduct	*-261.07*	
		For >500, Deduct	*-386.48*	

26 51 19 00-0420 LED High Bay Fixtures (PlanLED SEGA) *(26 51 19 00-0410)*

Note: Includes aluminum alloy chassis.

26 51 19 00-0421	EA	10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080)	780.26	102.54
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-24.63*	
		For >100 To 250, Deduct	*-44.14*	
		For >250 To 500, Deduct	*-78.03*	
		For >500, Deduct	*-111.91*	
26 51 19 00-0422	EA	13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100)	839.30	102.54
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-26.11*	
		For >100 To 250, Deduct	*-47.09*	
		For >250 To 500, Deduct	*-83.93*	
		For >500, Deduct	*-120.77*	
26 51 19 00-0423	EA	16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130)	1,042.69	102.54
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-31.19*	
		For >100 To 250, Deduct	*-57.26*	
		For >250 To 500, Deduct	*-104.27*	
		For >500, Deduct	*-151.28*	
26 51 19 00-0424	EA	20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160)	1,189.21	102.54
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-34.86*	
		For >100 To 250, Deduct	*-64.59*	
		For >250 To 500, Deduct	*-118.92*	
		For >500, Deduct	*-173.25*	
26 51 19 00-0425	EA	50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400)	2,269.56	102.54
		For >50 To 100, Deduct	*-61.87*	
		For >100 To 250, Deduct	*-118.61*	
		For >250 To 500, Deduct	*-226.96*	
		For >500, Deduct	*-335.31*	
26 51 19 00-0426	EA	57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500)	2,462.01	102.54
		For >50 To 100, Deduct	*-66.68*	
		For >100 To 250, Deduct	*-128.23*	
		For >250 To 500, Deduct	*-246.20*	
		For >500, Deduct	*-364.17*	
26 51 19 00-0427	EA	80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640)	3,787.03	102.54
		For >50 To 100, Deduct	*-99.80*	
		For >100 To 250, Deduct	*-194.48*	
		For >250 To 500, Deduct	*-378.70*	
		For >500, Deduct	*-562.93*	

26 51 19 00-0428 Wet/Hazardous Location, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0429 Wet Location, LED Fixtures *(26 51 19 00-0428)*

26 51 19 00-0430 Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) *(26 51 19 00-0429)*

Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0431	EA	3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L)	3,681.18	78.31
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-95.29*	
		For >100 To 250, Deduct	*-187.32*	
		For >250 To 500, Deduct	*-368.12*	
		For >500, Deduct	*-548.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0432	EA	5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L)	3,746.63	83.90
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-97.16*	
		For >100 To 250, Deduct	*-190.83*	
		For >250 To 500, Deduct	*-374.66*	
		For >500, Deduct	*-558.50*	
26 51 19 00-0433	EA	7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L)	4,239.07	89.49
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-109.71*	
		For >100 To 250, Deduct	*-215.68*	
		For >250 To 500, Deduct	*-423.91*	
		For >500, Deduct	*-632.13*	
26 51 19 00-0434	EA	9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L)	5,123.41	95.09
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-132.05*	
		For >100 To 250, Deduct	*-260.13*	
		For >250 To 500, Deduct	*-512.34*	
		For >500, Deduct	*-764.55*	
26 51 19 00-0435	EA	11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	6,567.52	100.67
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-168.38*	
		For >100 To 250, Deduct	*-332.57*	
		For >250 To 500, Deduct	*-656.75*	
		For >500, Deduct	*-980.93*	
26 51 19 00-0436	EA	13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L)	8,688.01	103.47
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-221.51*	
		For >100 To 250, Deduct	*-438.71*	
		For >250 To 500, Deduct	*-868.80*	
		For >500, Deduct	*-1,298.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0437	EA	18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L)	10,084.04	106.27
		For Ceiling Mount, Add	*33.21*	
		For Quick Clip Mounting Option, Add	*48.82*	
		For Frosted Lens, Add	*104.99*	
		For Warm White Color Rendering, Add	*135.16*	
		For Stanchion Mount, Add	*226.52*	
		For Wall Mount, Add	*250.75*	
		For Polycarbonate Lens, Add	*194.60*	
		For Teflon Coated Lens, Add	*222.85*	
		For 480 Volt, Add	*318.34*	
		For >50 To 100, Deduct	*-256.53*	
		For >100 To 250, Deduct	*-508.63*	
		For >250 To 500, Deduct	*-1,008.40*	
		For >500, Deduct	*-1,508.18*	

26 51 19 00-0438 Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM) *(26 51 19 00-0429)*

Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0439	EA	5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L)	3,296.74	83.90
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-85.91*	
		For >100 To 250, Deduct	*-168.33*	
		For >250 To 500, Deduct	*-329.67*	
		For >500, Deduct	*-491.02*	
26 51 19 00-0440	EA	7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L)	4,920.74	89.49
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-126.75*	
		For >100 To 250, Deduct	*-249.77*	
		For >250 To 500, Deduct	*-492.07*	
		For >500, Deduct	*-734.38*	
26 51 19 00-0441	EA	9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L)	5,431.91	95.09
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-139.76*	
		For >100 To 250, Deduct	*-275.56*	
		For >250 To 500, Deduct	*-543.19*	
		For >500, Deduct	*-810.82*	
26 51 19 00-0442	EA	11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L)	6,250.59	100.67
		For Bolt-On Visor, Add	*180.77*	
		For Bolt-On Wire Guard, Add	*371.82*	
		For 480 Volt, Add	*318.34*	
		For Warm White Color Rendering, Add	*135.16*	
		For >50 To 100, Deduct	*-160.46*	
		For >100 To 250, Deduct	*-316.72*	
		For >250 To 500, Deduct	*-625.06*	
		For >500, Deduct	*-933.39*	

26 51 19 00-0443 Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L) *(26 51 19 00-0429)*

Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 51 19 00-0444	EA	1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC)	2,253.56	78.31
		For 12/24 Volt DC Driver, Add	*51.38*	
		For Frosted Lens, Add	*104.99*	
		For 55 Degree Ambient Suitability (AC Only), Add	*69.95*	
		For Warm White Color Rendering, Add	*135.16*	
		For Ceiling Mount, Add	*159.62*	
		For Wall Mount, Add	*231.49*	
		For Teflon Coated Lens, Add	*222.85*	
		For Wall Mount With Junction Box, Add	*336.28*	
		For >50 To 100, Deduct	*-59.60*	
		For >100 To 250, Deduct	*-115.94*	
		For >250 To 500, Deduct	*-225.36*	
		For >500, Deduct	*-334.77*	

26 51 19 00-0445 Vaportight, LED Fixtures *(26 51 19 00-0428)*

26 51 19 00-0446 General Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0447	EA	2', 2,000 Lumens, 16 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-G-UNV-L850-CD1-U)	318.91	44.75
		For >50 To 100, Deduct	*-9.84*	
		For >100 To 250, Deduct	*-17.81*	
		For >250 To 500, Deduct	*-31.89*	
		For >500, Deduct	*-45.97*	
26 51 19 00-0448	EA	2', 3,000 Lumens, 24 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-G-UNV-L850-CD1-U)	333.49	44.75
		For >50 To 100, Deduct	*-10.20*	
		For >100 To 250, Deduct	*-18.54*	
		For >250 To 500, Deduct	*-33.35*	
		For >500, Deduct	*-48.16*	
26 51 19 00-0449	EA	2', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-G-UNV-L850-CD1-U)	362.68	44.75
		For >50 To 100, Deduct	*-10.93*	
		For >100 To 250, Deduct	*-20.00*	
		For >250 To 500, Deduct	*-36.27*	
		For >500, Deduct	*-52.54*	
26 51 19 00-0450	EA	4', 4,000 Lumens, 32 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-G-UNV-L850-CD1-U)	317.47	55.93
		For >50 To 100, Deduct	*-10.27*	
		For >100 To 250, Deduct	*-18.20*	
		For >250 To 500, Deduct	*-31.75*	
		For >500, Deduct	*-45.29*	
26 51 19 00-0451	EA	4', 6,000 Lumens, 51 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-G-UNV-L850-CD1-U)	359.32	55.93
		For >50 To 100, Deduct	*-11.31*	
		For >100 To 250, Deduct	*-20.30*	
		For >250 To 500, Deduct	*-35.93*	
		For >500, Deduct	*-51.57*	
26 51 19 00-0452	EA	4', 8,000 Lumens, 67 Watt, 120-277 Volt, Dimming, General Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-G-UNV-L850-CD1-U)	512.64	55.93
		For >50 To 100, Deduct	*-15.15*	
		For >100 To 250, Deduct	*-27.96*	
		For >250 To 500, Deduct	*-51.26*	
		For >500, Deduct	*-74.57*	

26 51 19 00-0453 Wide Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*

26 51 19 00-0454	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-W-UNV-L850-CD1-U)	348.09	44.75
		For >50 To 100, Deduct	*-10.57*	
		For >100 To 250, Deduct	*-19.27*	
		For >250 To 500, Deduct	*-34.81*	
		For >500, Deduct	*-50.35*	
26 51 19 00-0455	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-W-UNV-L850-CD1-U)	362.68	44.75
		For >50 To 100, Deduct	*-10.93*	
		For >100 To 250, Deduct	*-20.00*	
		For >250 To 500, Deduct	*-36.27*	
		For >500, Deduct	*-52.54*	
26 51 19 00-0456	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-W-UNV-L850-CD1-U)	391.86	44.75
		For >50 To 100, Deduct	*-11.66*	
		For >100 To 250, Deduct	*-21.46*	
		For >250 To 500, Deduct	*-39.19*	
		For >500, Deduct	*-56.91*	
26 51 19 00-0457	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-W-UNV-L850-CD1-U)	454.28	55.93
		For >50 To 100, Deduct	*-13.69*	
		For >100 To 250, Deduct	*-25.04*	
		For >250 To 500, Deduct	*-45.43*	
		For >500, Deduct	*-65.81*	
26 51 19 00-0458	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-W-UNV-L850-CD1-U)	512.64	55.93
		For >50 To 100, Deduct	*-15.15*	
		For >100 To 250, Deduct	*-27.96*	
		For >250 To 500, Deduct	*-51.26*	
		For >500, Deduct	*-74.57*	
26 51 19 00-0459	EA	4', 8,000 Lumens, 70 Watt, 120-277 Volt, Dimming, Wide Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-W-UNV-L850-CD1-U)	571.01	55.93
		For >50 To 100, Deduct	*-16.61*	
		For >100 To 250, Deduct	*-30.88*	
		For >250 To 500, Deduct	*-57.10*	
		For >500, Deduct	*-83.32*	

26 51 19 00-0460 Parking Garage Distribution, Vaportight, LED Fixtures (Metalux) *(26 51 19 00-0445)*

26 51 19 00-0461	EA	2', 2,000 Lumens, 17 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-2-P-UNV-L850-CD1-U)	348.09	44.75
		For >50 To 100, Deduct	*-10.57*	
		For >100 To 250, Deduct	*-19.27*	
		For >250 To 500, Deduct	*-34.81*	
		For >500, Deduct	*-50.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0462	EA	2', 3,000 Lumens, 25 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-3-P-UNV-L850-CD1-U)	363.79	44.75
		For >50 To 100, Deduct	*-10.96*	
		For >100 To 250, Deduct	*-20.05*	
		For >250 To 500, Deduct	*-36.38*	
		For >500, Deduct	*-52.70*	
26 51 19 00-0463	EA	2', 4,000 Lumens, 34 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 2VT3-LD5-4-P-UNV-L850-CD1-U)	391.86	44.75
		For >50 To 100, Deduct	*-11.66*	
		For >100 To 250, Deduct	*-21.46*	
		For >250 To 500, Deduct	*-39.19*	
		For >500, Deduct	*-56.91*	
26 51 19 00-0464	EA	4', 4,000 Lumens, 31 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-4-P-UNV-L850-CD1-U)	454.28	55.93
		For >50 To 100, Deduct	*-13.69*	
		For >100 To 250, Deduct	*-25.04*	
		For >250 To 500, Deduct	*-45.43*	
		For >500, Deduct	*-65.81*	
26 51 19 00-0465	EA	4', 6,000 Lumens, 49 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-6-P-UNV-L850-CD1-U)	512.64	55.93
		For >50 To 100, Deduct	*-15.15*	
		For >100 To 250, Deduct	*-27.96*	
		For >250 To 500, Deduct	*-51.26*	
		For >500, Deduct	*-74.57*	
26 51 19 00-0466	EA	4', 8,000 Lumens, 69 Watt, 120-277 Volt, Dimming, Parking Garage Distribution, Vaportight Industrial LED Fixture (Metalux 4VT3-LD5-8-P-UNV-L850-CD1-U)	571.01	55.93
		For >50 To 100, Deduct	*-16.61*	
		For >100 To 250, Deduct	*-30.88*	
		For >250 To 500, Deduct	*-57.10*	
		For >500, Deduct	*-83.32*	

26 51 19 00-0467 Ceiling Mounted LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0468 Ceiling Mounted, LED Drum Fixtures (Enertron) *(26 51 19 00-0467)*

26 51 19 00-0469	EA	11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30)	116.39	37.29
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.22*	
		For >250 To 500, Deduct	*-11.64*	
		For >500, Deduct	*-16.06*	
26 51 19 00-0470	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30)	122.39	37.29
		For >50 To 100, Deduct	*-4.46*	
		For >100 To 250, Deduct	*-7.52*	
		For >250 To 500, Deduct	*-12.24*	
		For >500, Deduct	*-16.96*	
26 51 19 00-0471	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30)	128.40	37.29
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 250, Deduct	*-7.82*	
		For >250 To 500, Deduct	*-12.84*	
		For >500, Deduct	*-17.86*	
26 51 19 00-0472	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30)	134.40	37.29
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-8.12*	
		For >250 To 500, Deduct	*-13.44*	
		For >500, Deduct	*-18.76*	
26 51 19 00-0473	EA	14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30)	128.21	41.01
		For >50 To 100, Deduct	*-4.74*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-12.82*	
		For >500, Deduct	*-17.69*	
26 51 19 00-0474	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30)	134.21	41.01
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 250, Deduct	*-8.25*	
		For >250 To 500, Deduct	*-13.42*	
		For >500, Deduct	*-18.59*	
26 51 19 00-0475	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30)	140.21	41.01
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-14.02*	
		For >500, Deduct	*-19.49*	
26 51 19 00-0476	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30)	146.22	41.01
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.62*	
		For >500, Deduct	*-20.39*	
26 51 19 00-0477	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	158.22	41.01
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.82*	
		For >500, Deduct	*-22.19*	
26 51 19 00-0478	EA	11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35)	116.39	37.29
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.22*	
		For >250 To 500, Deduct	*-11.64*	
		For >500, Deduct	*-16.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0479	EA	11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35)	122.39	37.29
		For >50 To 100, Deduct	*-4.46*	
		For >100 To 250, Deduct	*-7.52*	
		For >250 To 500, Deduct	*-12.24*	
		For >500, Deduct	*-16.96*	
26 51 19 00-0480	EA	11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35)	128.39	37.29
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 250, Deduct	*-7.82*	
		For >250 To 500, Deduct	*-12.84*	
		For >500, Deduct	*-17.86*	
26 51 19 00-0481	EA	11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35)	134.40	37.29
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-8.12*	
		For >250 To 500, Deduct	*-13.44*	
		For >500, Deduct	*-18.76*	
26 51 19 00-0482	EA	14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35)	128.21	41.01
		For >50 To 100, Deduct	*-4.74*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-12.82*	
		For >500, Deduct	*-17.69*	
26 51 19 00-0483	EA	14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35)	134.21	41.01
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 250, Deduct	*-8.25*	
		For >250 To 500, Deduct	*-13.42*	
		For >500, Deduct	*-18.59*	
26 51 19 00-0484	EA	14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35)	140.21	41.01
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-14.02*	
		For >500, Deduct	*-19.49*	
26 51 19 00-0485	EA	14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35)	146.22	41.01
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.62*	
		For >500, Deduct	*-20.39*	
26 51 19 00-0486	EA	14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30)	158.22	41.01
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.82*	
		For >500, Deduct	*-22.19*	
26 51 19 00-0487	EA	11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40)	116.39	37.29
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.22*	
		For >250 To 500, Deduct	*-11.64*	
		For >500, Deduct	*-16.06*	
26 51 19 00-0488	EA	11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40)	122.39	37.29
		For >50 To 100, Deduct	*-4.46*	
		For >100 To 250, Deduct	*-7.52*	
		For >250 To 500, Deduct	*-12.24*	
		For >500, Deduct	*-16.96*	
26 51 19 00-0489	EA	11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40)	128.39	37.29
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 250, Deduct	*-7.82*	
		For >250 To 500, Deduct	*-12.84*	
		For >500, Deduct	*-17.86*	
26 51 19 00-0490	EA	11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40)	134.40	37.29
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-8.12*	
		For >250 To 500, Deduct	*-13.44*	
		For >500, Deduct	*-18.76*	
26 51 19 00-0491	EA	14" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	128.21	41.01
		For >50 To 100, Deduct	*-4.74*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-12.82*	
		For >500, Deduct	*-17.69*	
26 51 19 00-0492	EA	14" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	134.21	41.01
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 250, Deduct	*-8.25*	
		For >250 To 500, Deduct	*-13.42*	
		For >500, Deduct	*-18.59*	
26 51 19 00-0493	EA	14" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	140.21	41.01
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-14.02*	
		For >500, Deduct	*-19.49*	
26 51 19 00-0494	EA	14" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	146.22	41.01
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.62*	
		For >500, Deduct	*-20.39*	
26 51 19 00-0495	EA	14" Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	158.22	41.01
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.82*	
		For >500, Deduct	*-22.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0496	EA	11" Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50)	116.39	37.29
		For >50 To 100, Deduct	*-4.31*	
		For >100 To 250, Deduct	*-7.22*	
		For >250 To 500, Deduct	*-11.64*	
		For >500, Deduct	*-16.06*	
26 51 19 00-0497	EA	11" Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50)	122.39	37.29
		For >50 To 100, Deduct	*-4.46*	
		For >100 To 250, Deduct	*-7.52*	
		For >250 To 500, Deduct	*-12.24*	
		For >500, Deduct	*-16.96*	
26 51 19 00-0498	EA	11" Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50)	128.39	37.29
		For >50 To 100, Deduct	*-4.61*	
		For >100 To 250, Deduct	*-7.82*	
		For >250 To 500, Deduct	*-12.84*	
		For >500, Deduct	*-17.86*	
26 51 19 00-0499	EA	11" Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50)	134.40	37.29
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-8.12*	
		For >250 To 500, Deduct	*-13.44*	
		For >500, Deduct	*-18.76*	
26 51 19 00-0500	EA	14" Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40)	128.21	41.01
		For >50 To 100, Deduct	*-4.74*	
		For >100 To 250, Deduct	*-7.95*	
		For >250 To 500, Deduct	*-12.82*	
		For >500, Deduct	*-17.69*	
26 51 19 00-0501	EA	14" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40)	134.21	41.01
		For >50 To 100, Deduct	*-4.89*	
		For >100 To 250, Deduct	*-8.25*	
		For >250 To 500, Deduct	*-13.42*	
		For >500, Deduct	*-18.59*	
26 51 19 00-0502	EA	14" Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40)	140.21	41.01
		For >50 To 100, Deduct	*-5.04*	
		For >100 To 250, Deduct	*-8.55*	
		For >250 To 500, Deduct	*-14.02*	
		For >500, Deduct	*-19.49*	
26 51 19 00-0503	EA	14" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40)	146.22	41.01
		For >50 To 100, Deduct	*-5.19*	
		For >100 To 250, Deduct	*-8.85*	
		For >250 To 500, Deduct	*-14.62*	
		For >500, Deduct	*-20.39*	
26 51 19 00-0504	EA	14" Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40)	158.22	41.01
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 250, Deduct	*-9.45*	
		For >250 To 500, Deduct	*-15.82*	
		For >500, Deduct	*-22.19*	
26 51 19 00-0505	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30)	162.67	44.28
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-16.27*	
		For >500, Deduct	*-22.72*	
26 51 19 00-0506	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30)	176.31	44.28
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 250, Deduct	*-10.49*	
		For >250 To 500, Deduct	*-17.63*	
		For >500, Deduct	*-24.77*	
26 51 19 00-0507	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30)	172.98	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.33*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0508	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30)	172.92	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.32*	
		For >250 To 500, Deduct	*-17.29*	
		For >500, Deduct	*-24.26*	
26 51 19 00-0509	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	188.31	44.28
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-18.83*	
		For >500, Deduct	*-26.57*	
26 51 19 00-0510	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	183.35	44.28
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.85*	
		For >250 To 500, Deduct	*-18.34*	
		For >500, Deduct	*-25.82*	
26 51 19 00-0511	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	204.14	44.28
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-11.89*	
		For >250 To 500, Deduct	*-20.41*	
		For >500, Deduct	*-28.94*	
26 51 19 00-0512	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30)	197.37	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0513	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30)	197.42	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.94*	
26 51 19 00-0514	EA	19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35)	162.67	44.28
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-16.27*	
		For >500, Deduct	*-22.72*	
26 51 19 00-0515	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35)	176.31	44.28
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 250, Deduct	*-10.49*	
		For >250 To 500, Deduct	*-17.63*	
		For >500, Deduct	*-24.77*	
26 51 19 00-0516	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	172.98	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.33*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0517	EA	19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35)	172.92	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.32*	
		For >250 To 500, Deduct	*-17.29*	
		For >500, Deduct	*-24.26*	
26 51 19 00-0518	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	188.31	44.28
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-18.83*	
		For >500, Deduct	*-26.57*	
26 51 19 00-0519	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	183.35	44.28
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.85*	
		For >250 To 500, Deduct	*-18.34*	
		For >500, Deduct	*-25.82*	
26 51 19 00-0520	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	204.14	44.28
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-11.89*	
		For >250 To 500, Deduct	*-20.41*	
		For >500, Deduct	*-28.94*	
26 51 19 00-0521	EA	19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35)	197.37	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.93*	
26 51 19 00-0522	EA	19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35)	197.42	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.94*	
26 51 19 00-0523	EA	19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40)	162.67	44.28
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-16.27*	
		For >500, Deduct	*-22.72*	
26 51 19 00-0524	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	176.31	44.28
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 250, Deduct	*-10.49*	
		For >250 To 500, Deduct	*-17.63*	
		For >500, Deduct	*-24.77*	
26 51 19 00-0525	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	172.98	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.33*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0526	EA	19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40)	172.92	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.32*	
		For >250 To 500, Deduct	*-17.29*	
		For >500, Deduct	*-24.26*	
26 51 19 00-0527	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	188.31	44.28
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-18.83*	
		For >500, Deduct	*-26.57*	
26 51 19 00-0528	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	183.35	44.28
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.85*	
		For >250 To 500, Deduct	*-18.34*	
		For >500, Deduct	*-25.82*	
26 51 19 00-0529	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	204.14	44.28
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-11.89*	
		For >250 To 500, Deduct	*-20.41*	
		For >500, Deduct	*-28.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0530	EA	19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40)	197.37	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.93*	
26 51 19 00-0531	EA	19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40)	197.42	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.94*	
26 51 19 00-0532	EA	19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50)	162.67	44.28
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 250, Deduct	*-9.81*	
		For >250 To 500, Deduct	*-16.27*	
		For >500, Deduct	*-22.72*	
26 51 19 00-0533	EA	19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35)	176.31	44.28
		For >50 To 100, Deduct	*-6.09*	
		For >100 To 250, Deduct	*-10.49*	
		For >250 To 500, Deduct	*-17.63*	
		For >500, Deduct	*-24.77*	
26 51 19 00-0534	EA	19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50)	172.98	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.33*	
		For >250 To 500, Deduct	*-17.30*	
		For >500, Deduct	*-24.27*	
26 51 19 00-0535	EA	19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50)	172.92	44.28
		For >50 To 100, Deduct	*-6.00*	
		For >100 To 250, Deduct	*-10.32*	
		For >250 To 500, Deduct	*-17.29*	
		For >500, Deduct	*-24.26*	
26 51 19 00-0536	EA	19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30)	188.31	44.28
		For >50 To 100, Deduct	*-6.39*	
		For >100 To 250, Deduct	*-11.09*	
		For >250 To 500, Deduct	*-18.83*	
		For >500, Deduct	*-26.57*	
26 51 19 00-0537	EA	19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30)	183.35	44.28
		For >50 To 100, Deduct	*-6.26*	
		For >100 To 250, Deduct	*-10.85*	
		For >250 To 500, Deduct	*-18.34*	
		For >500, Deduct	*-25.82*	
26 51 19 00-0538	EA	19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30)	204.14	44.28
		For >50 To 100, Deduct	*-6.78*	
		For >100 To 250, Deduct	*-11.89*	
		For >250 To 500, Deduct	*-20.41*	
		For >500, Deduct	*-28.94*	
26 51 19 00-0539	EA	19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50)	197.37	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.93*	
26 51 19 00-0540	EA	19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50)	197.42	44.28
		For >50 To 100, Deduct	*-6.61*	
		For >100 To 250, Deduct	*-11.55*	
		For >250 To 500, Deduct	*-19.74*	
		For >500, Deduct	*-27.94*	
26 51 19 00-0541		**Ceiling Mounted, LED Mushroom Fixtures (Mobern)** *(26 51 19 00-0467)*		
26 51 19 00-0542	EA	14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30)	181.06	41.01
		For >50 To 100, Deduct	*-6.06*	
		For >100 To 250, Deduct	*-10.59*	
		For >250 To 500, Deduct	*-18.11*	
		For >500, Deduct	*-25.62*	
26 51 19 00-0543		**Ceiling Mounted, LED Fixtures (Sylvania)** *(26 51 19 00-0467)*		
26 51 19 00-0544	EA	12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D)	711.44	44.28
		For >50 To 100, Deduct	*-19.46*	
		For >100 To 250, Deduct	*-37.25*	
		For >250 To 500, Deduct	*-71.14*	
		For >500, Deduct	*-105.04*	
26 51 19 00-0545	EA	2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH)	266.80	37.29
		For >50 To 100, Deduct	*-8.07*	
		For >100 To 250, Deduct	*-14.74*	
		For >250 To 500, Deduct	*-26.68*	
		For >500, Deduct	*-38.62*	
26 51 19 00-0546	EA	2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH)	333.15	43.44
		For >50 To 100, Deduct	*-9.96*	
		For >100 To 250, Deduct	*-18.29*	
		For >250 To 500, Deduct	*-33.32*	
		For >500, Deduct	*-48.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0547	EA	2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH)	337.24	43.44
		For >50 To 100, Deduct	*-10.06*	
		For >100 To 250, Deduct	*-18.49*	
		For >250 To 500, Deduct	*-33.72*	
		For >500, Deduct	*-48.95*	

26 51 19 00-0548 Refrigeration/Display LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0549 Refrigeration/Display LED Fixtures (Lithonia) *(26 51 19 00-0548)*

Note: Fixtures exclude driver.

26 51 19 00-0550	EA	5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM)	274.86	43.44
		For >50 To 100, Deduct	*-8.50*	
		For >100 To 250, Deduct	*-15.37*	
		For >250 To 500, Deduct	*-27.49*	
		For >500, Deduct	*-39.60*	
26 51 19 00-0551	EA	5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC)	352.86	76.90
		For >50 To 100, Deduct	*-11.73*	
		For >100 To 250, Deduct	*-20.56*	
		For >250 To 500, Deduct	*-35.29*	
		For >500, Deduct	*-50.02*	
26 51 19 00-0552	EA	Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL)	325.70	61.53
		For >50 To 100, Deduct	*-10.47*	
		For >100 To 250, Deduct	*-18.62*	
		For >250 To 500, Deduct	*-32.57*	
		For >500, Deduct	*-46.52*	

26 51 19 00-0553 Pendant Mount, LED Fixtures *(26 51 19 00-0001)*

26 51 19 00-0554 Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting) *(26 51 19 00-0553)*

26 51 19 00-0555	EA	2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S)	2,639.14	95.09
		For >50 To 100, Deduct	*-69.94*	
		For >100 To 250, Deduct	*-135.92*	
		For >250 To 500, Deduct	*-263.91*	
		For >500, Deduct	*-391.91*	
26 51 19 00-0556	EA	3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S)	4,004.68	100.67
		For >50 To 100, Deduct	*-104.31*	
		For >100 To 250, Deduct	*-204.43*	
		For >250 To 500, Deduct	*-400.47*	
		For >500, Deduct	*-596.51*	
26 51 19 00-0557	EA	4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S)	5,124.19	106.27
		For >50 To 100, Deduct	*-132.53*	
		For >100 To 250, Deduct	*-260.64*	
		For >250 To 500, Deduct	*-512.42*	
		For >500, Deduct	*-764.20*	
26 51 19 00-0558	EA	5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S)	6,489.75	111.87
		For >50 To 100, Deduct	*-166.90*	
		For >100 To 250, Deduct	*-329.15*	
		For >250 To 500, Deduct	*-648.98*	
		For >500, Deduct	*-968.80*	
26 51 19 00-0559	EA	2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S)	2,801.80	95.09
		For >50 To 100, Deduct	*-74.01*	
		For >100 To 250, Deduct	*-144.05*	
		For >250 To 500, Deduct	*-280.18*	
		For >500, Deduct	*-416.31*	
26 51 19 00-0560	EA	3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S)	4,220.22	100.67
		For >50 To 100, Deduct	*-109.70*	
		For >100 To 250, Deduct	*-215.21*	
		For >250 To 500, Deduct	*-422.02*	
		For >500, Deduct	*-628.84*	
26 51 19 00-0561	EA	4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S)	5,341.76	106.27
		For >50 To 100, Deduct	*-137.97*	
		For >100 To 250, Deduct	*-271.52*	
		For >250 To 500, Deduct	*-534.18*	
		For >500, Deduct	*-796.84*	
26 51 19 00-0562	EA	5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S)	6,733.75	111.87
		For >50 To 100, Deduct	*-173.00*	
		For >100 To 250, Deduct	*-341.35*	
		For >250 To 500, Deduct	*-673.38*	
		For >500, Deduct	*-1,005.40*	

26 51 19 00-0563 Pendant Mount, LED Commercial Fixtures (DMF) *(26 51 19 00-0553)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0564	EA	3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED)	1,014.32	55.93
		For >50 To 100, Deduct	*-27.69*	
		For >100 To 250, Deduct	*-53.05*	
		For >250 To 500, Deduct	*-101.43*	
		For >500, Deduct	*-149.82*	

26 51 19 00-0565 LED Track Lighting *(26 51 19 00-0001)*

26 51 19 00-0566 Track Lighting Tracks *(26 51 19 00-0565)*

26 51 19 00-0567	LF	1 Circuit Track Lighting Track	22.32	6.74
		For >50 To 100, Deduct	*-0.79*	
		For >100 To 250, Deduct	*-1.35*	
		For >250 To 500, Deduct	*-2.23*	
		For >500, Deduct	*-3.12*	
26 51 19 00-0568	LF	2 Circuit Track Lighting Track	29.11	6.74
		For >50 To 100, Deduct	*-0.98*	
		For >100 To 250, Deduct	*-1.71*	
		For >250 To 500, Deduct	*-2.91*	
		For >500, Deduct	*-4.11*	
26 51 19 00-0569	LF	3 Circuit Track Lighting Track	34.89	6.74
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 250, Deduct	*-2.03*	
		For >250 To 500, Deduct	*-3.49*	
		For >500, Deduct	*-4.95*	
26 51 19 00-0570	LF	4 Circuit Track Lighting Track	40.67	8.16
		For >50 To 100, Deduct	*-1.32*	
		For >100 To 250, Deduct	*-2.34*	
		For >250 To 500, Deduct	*-4.07*	
		For >500, Deduct	*-5.79*	

26 51 19 00-0571 LED Track Lighting Fixtures *(26 51 19 00-0565)*

26 51 19 00-0572	EA	19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™)	198.77	17.04
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 250, Deduct	*-10.58*	
		For >250 To 500, Deduct	*-19.88*	
		For >500, Deduct	*-29.18*	
26 51 19 00-0573	EA	18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED)	349.65	17.04
		For >50 To 100, Deduct	*-9.38*	
		For >100 To 250, Deduct	*-18.12*	
		For >250 To 500, Deduct	*-34.97*	
		For >500, Deduct	*-51.81*	
26 51 19 00-0574	EA	24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33)	204.50	17.04
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 250, Deduct	*-10.86*	
		For >250 To 500, Deduct	*-20.45*	
		For >500, Deduct	*-30.04*	

26 51 19 00-0575 Track Lighting Accessories *(26 51 19 00-0565)*

26 51 19 00-0576 Pendant Mounting *(26 51 19 00-0575)*

26 51 19 00-0577	EA	Track Lighting Pendant Mounting, Up to 12"	24.22	
		For >50 To 100, Deduct	*-0.99*	
		For >100 To 250, Deduct	*-1.59*	
		For >250 To 500, Deduct	*-2.42*	
		For >500, Deduct	*-3.25*	
26 51 19 00-0578	EA	Track Lighting Pendant Mounting, >12" To 24"	31.31	
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.00*	
		For >250 To 500, Deduct	*-3.13*	
		For >500, Deduct	*-4.26*	
26 51 19 00-0579	EA	Track Lighting Pendant Mounting, >24" To 36"	38.23	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 250, Deduct	*-2.42*	
		For >250 To 500, Deduct	*-3.82*	
		For >500, Deduct	*-5.22*	

26 51 23 HID Interior Lighting *(26 51)*

26 51 23 00-0001 Large Interior Area Fixtures *(26 51 23)*

26 51 23 00-0002 Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.

26 51 23 00-0003 High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0004	EA	150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	451.79	108.79
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0005	EA	250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	469.73	115.51
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0006	EA	400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture	487.95	131.85
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	

26 51 23 00-0007 Metal Halide, Recessed Mounted, Large Interior Area Fixtures *(26 51 23 00-0002)*

26 51 23 00-0008	EA	150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	460.78	108.79
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0009	EA	250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	473.55	115.51
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0010	EA	400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture	500.89	131.85
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	

26 51 23 00-0011 Low Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: Heavy-duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.

26 51 23 00-0012 High Pressure Sodium, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0013	EA	150 Watt High Pressure Sodium, Low Bay Fixture	460.96	99.37
		For Instant Quartz Restrike, Add	*60.00*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0014	EA	250 Watt High Pressure Sodium, Low Bay Fixture	472.25	105.53
		For Instant Quartz Restrike, Add	*60.00*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0015	EA	400 Watt High Pressure Sodium, Low Bay Fixture	496.63	120.44
		For Instant Quartz Restrike, Add	*60.00*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	

26 51 23 00-0016 Metal Halide, Low Bay Fixtures *(26 51 23 00-0011)*

26 51 23 00-0017	EA	175 Watt Metal Halide, Low Bay Fixture	455.08	99.37
		For Instant Quartz Restrike, Add	*60.00*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0018	EA	250 Watt Metal Halide, Low Bay Fixture	465.56	105.53
		For Instant Quartz Restrike, Add	*60.00*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0019	EA	400 Watt Metal Halide, Low Bay Fixture	500.89	120.44
		For Instant Quartz Restrike, Add	*60.00*	
		For Enclosed And Gasketed, Add	*75.47*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	

26 51 23 00-0020 High Bay Fixtures, Large Interior Area Fixtures *(26 51 23 00-0001)*

Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.

26 51 23 00-0021 High Pressure Sodium, High Bay Fixtures *(26 51 23 00-0020)*

Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.

26 51 23 00-0022	EA	250 Watt High Pressure Sodium, High Bay Fixture	417.68	105.53
		For Optical Safety Chain, Add	*7.47*	
		For Polycarbonate Lens, Add	*47.75*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Security Chain, Add	*19.34*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0023	EA	400 Watt High Pressure Sodium, High Bay Fixture	447.81	120.44
		For Optical Safety Chain, Add	*7.47*	
		For Polycarbonate Lens, Add	*47.75*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Security Chain, Add	*19.34*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
		For Ballast Safety Chain, Add	*12.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0024	EA	1,000 Watt High Pressure Sodium, High Bay Fixture	676.55	126.68
		For Optical Safety Chain, Add	*7.47*	
		For Polycarbonate Lens, Add	*47.75*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Security Chain, Add	*19.34*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0025		Metal Halide, High Bay Fixtures *(26 51 23 00-0020)*		
		Note: Includes heavy-duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0026	EA	250 Watt Metal Halide, High Bay Fixture	385.36	105.53
		For Optical Safety Chain, Add	*7.47*	
		For Polycarbonate Lens, Add	*47.75*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Security Chain, Add	*19.34*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0027	EA	400 Watt Metal Halide, High Bay Fixture	420.47	120.44
		For Optical Safety Chain, Add	*7.47*	
		For Polycarbonate Lens, Add	*47.75*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Security Chain, Add	*19.34*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0028	EA	1,000 Watt Metal Halide, High Bay Fixture	564.44	126.68
		For Optical Safety Chain, Add	*7.47*	
		For Polycarbonate Lens, Add	*47.75*	
		For Tempered Glass Or Acrylic Lens, Add	*60.50*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Security Chain, Add	*19.34*	
		For Glass Or Acrylic Reflector, Add	*90.00*	
		For Wire Guard, Add	*40.50*	
		For Ballast Safety Chain, Add	*12.13*	
26 51 23 00-0029		Induction, High Bay Fixtures *(26 51 23 00-0020)*		
26 51 23 00-0030		Induction, High Bay Fixtures (Everlast®) *(26 51 23 00-0029)*		
		Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0031	EA	100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	464.64	92.29
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0032	EA	120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	499.14	95.37
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0033	EA	150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	507.91	98.44
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0034	EA	200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	554.74	101.52
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0035	EA	250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC)	568.67	104.60
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0036	EA	100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	500.64	92.29
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0037	EA	120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	535.15	95.37
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0038	EA	150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	543.91	98.44
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0039	EA	200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	590.75	101.52
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0040	EA	250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC)	604.68	104.60
		For Impact Resistant Silicon Lens, Add	*20.00*	
26 51 23 00-0041		Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0001)*		
		Note: Heavy-duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0042		High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures *(26 51 23 00-0041)*		
26 51 23 00-0043	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	363.06	70.72
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0044	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	665.72	70.72
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0045	EA	250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	766.95	70.72
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 23 00-0046	EA	400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture	1,030.80	70.72
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0047		**Metal Halide, Ceiling Mounted, Large Interior Area Fixtures** *(26 51 23 00-0041)*		
26 51 23 00-0048	EA	100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	296.34	70.72
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0049	EA	175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	310.50	78.48
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0050	EA	250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	329.63	85.00
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0051	EA	400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture	367.81	101.23
		For Polycarbonate Lens, Add	*47.75*	
		For Instant Quartz Restrike, Add	*60.00*	
		For Wire Guard, Add	*40.50*	
26 51 23 00-0052		**High Pressure Sodium, Recessed Fixture Housings** *(26 51 23)*		
26 51 23 00-0053	EA	4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	159.08	29.39
		For ICAT Housing, Add	*14.86*	
26 51 23 00-0054	EA	5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	166.77	29.39
		For ICAT Housing, Add	*15.85*	
26 51 23 00-0055	EA	6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	175.22	30.61
		For ICAT Housing, Add	*16.68*	
26 51 23 00-0056	EA	7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	181.46	31.94
		For ICAT Housing, Add	*17.22*	
26 51 23 00-0057	EA	8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing	187.62	33.27
		For ICAT Housing, Add	*17.75*	
26 51 23 00-0058	EA	10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing	192.73	35.31
		For ICAT Housing, Add	*18.02*	
26 51 23 00-0059		**Metal Halide Track Lighting Fixtures** *(26 51 23)*		
26 51 23 00-0060	EA	Metal Halide Track Lighting Fixture	104.37	17.04
26 51 23 00-0061		**Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0062	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	162.70	40.82
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0063	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	167.90	40.82
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0064	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	178.44	40.82
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0065	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	194.29	40.82
		For Wall Mounted, Add	*6.30*	
26 51 23 00-0066		**High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures** *(26 51 23)*		
26 51 23 00-0067	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	150.35	40.82
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0068	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	156.80	40.82
		For Wall Mounted, Add	*6.67*	
26 51 23 00-0069	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture	181.72	40.82
		For Wall Mounted, Add	*6.67*	
26 51 33		**Interior Lighting Accessories** *(26 51)*		
26 51 33 00-0001		**Accessories And Modifiers For Fixtures** *(26 51 33)*		
26 51 33 00-0002		**Lens Modifications** *(26 51 33 00-0001)*		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	38.81	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	47.94	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add	50.23	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	54.79	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add	66.21	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	15.98	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	22.83	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	25.11	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add	29.68	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 33 00-0012		**Pendant Mounting Modifications** *(26 51 33 00-0001)* Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section Note: Per pendant.	17.35	
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section Note: Per pendant.	20.09	
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section Note: Per pendant.	25.71	
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section Note: Per pendant.	30.36	
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section Note: Per pendant.	38.35	
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section Note: Per pendant.	52.05	
26 51 33 00-0019		**Fluorescent Light Accessories** *(26 51 33 00-0001)*		
26 51 33 00-0020	EA	Blank Metal Light Box Plate	31.61	
26 51 33 00-0021	EA	Factory Installed Fixture Mounted Occupancy Sensor	175.77	
26 51 33 00-0022		**Wire Guards** *(26 51 33 00-0001)*		
26 51 33 00-0023	EA	Wire Guard for 6" x 2' Fixture	71.26	5.11
26 51 33 00-0024	EA	Wire Guard for 6" x 4' Fixture	99.35	8.18
26 51 33 00-0025	EA	Wire Guard for 1" x 2' Fixture	79.61	5.63
26 51 33 00-0026	EA	Wire Guard for 1" x 4' Fixture	112.59	8.69
26 51 33 00-0027	EA	Wire Guard for 2" x 2' Fixture	97.72	6.14
26 51 33 00-0028	EA	Wire Guard for 2" x 4' Fixture	133.14	9.20
26 51 33 00-0029		**Lighting Accessories** *(26 51 33)*		
26 51 33 00-0030		**Modular Flexible Wiring Systems** *(26 51 33 00-0029)*		
26 51 33 00-0031	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10)	101.23	5.51
26 51 33 00-0032	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15)	122.25	5.51
26 51 33 00-0033	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20)	148.80	5.51
26 51 33 00-0034	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15)	122.25	5.51
26 51 33 00-0035	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E)	96.19	5.51
26 51 33 00-0036	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13)	149.66	5.51
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M)	78.98	5.51
26 51 33 00-0038	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E)	90.80	5.51
26 51 33 00-0039	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07)	122.12	5.51
26 51 33 00-0040	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07)	122.12	5.51
26 51 33 00-0041	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07)	124.35	5.51
26 51 33 00-0042	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07)	123.53	5.51
26 51 33 00-0043	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07)	123.53	5.51
26 51 33 00-0044	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15)	143.43	5.51
26 51 33 00-0045	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D)	60.63	5.51
26 51 33 00-0046	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E)	55.98	5.51
26 51 33 00-0047	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E)	57.60	5.51
26 51 33 00-0048	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E)	74.82	5.51
26 51 33 00-0049	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15)	101.23	5.51
26 51 33 00-0050	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15)	104.03	5.51
26 51 33 00-0051	EA	Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E)	79.10	5.51
26 51 33 00-0052	EA	3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E)	55.98	5.51
26 51 33 00-0053	EA	Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning	45.92	
26 51 33 00-0054		**Additional Lighting Wire Whips** *(26 51 33)*		
26 51 33 00-0055	LF	For Each Additional LF Of Interior Lighting Wire Whip, Add Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.	1.90	
26 51 33 00-0056		**Removal And Reinstallation Of Light Fixtures** *(26 51 33)* Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.		
26 51 33 00-0057	EA	Removal And Reinstallation Of Lay-In Fluorescent Light Fixture	108.60	
26 51 33 00-0058	EA	Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture	124.11	

26 52 Safety Lighting *(26 50)*

26 52 13 Emergency and Exit Lighting *(26 52)*

26 52 13 13 Emergency Lighting *(26 52 13)*

26 52 13 13-0001 **Commercial Emergency Lights** *(26 52 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0002		**Polycarbonate Housing, Commercial Emergency Lights** *(26 52 13 13-0001)* Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0003	EA	3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED)	242.55	25.51
26 52 13 13-0004	EA	10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2)	162.05	25.51
		For Self-Diagnostics, Add	*87.50*	
		For Halogen Lamps, Add	*27.55*	
26 52 13 13-0005	EA	18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618)	267.40	25.51
		For Self-Diagnostics, Add	*87.50*	
		For Halogen Lamps, Add	*27.55*	
26 52 13 13-0006	EA	27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627)	315.09	25.51
		For Self-Diagnostics, Add	*87.50*	
		For Halogen Lamps, Add	*27.55*	
26 52 13 13-0007	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654)	478.98	25.51
		For Self-Diagnostics, Add	*87.50*	
		For Halogen Lamps, Add	*27.55*	
26 52 13 13-0008	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254)	545.51	25.51
		For Self-Diagnostics, Add	*87.50*	
		For Halogen Lamps, Add	*27.55*	
26 52 13 13-0009	EA	72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272)	804.71	25.51
		For Self-Diagnostics, Add	*87.50*	
		For Halogen Lamps, Add	*27.55*	
26 52 13 13-0010		**Remote Heads For Commercial Emergency Lights** *(26 52 13 13-0001)* Note: For use with fixtures that have remote capability.		
26 52 13 13-0011	EA	6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606)	165.55	15.31
26 52 13 13-0012	EA	6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606)	166.75	15.31
26 52 13 13-0013	EA	8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806)	170.77	15.31
26 52 13 13-0014	EA	12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212)	170.12	15.31
26 52 13 13-0015	EA	12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212)	145.42	15.31
26 52 13 13-0016	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	96.36	15.31
26 52 13 13-0017		**Industrial Emergency Lights** *(26 52 13 13)*		
26 52 13 13-0018		**Painted Steel Housing, Industrial Emergency Lights** *(26 52 13 13-0017)*		
26 52 13 13-0019		**Painted Steel Housing, Industrial Emergency Lights** *(26 52 13 13-0018)* Note: Includes lead-calcium batteries and two adjustable lamp heads.		
26 52 13 13-0020	EA	16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16)	442.78	25.51
		For Wireguard, Add	*235.71*	
26 52 13 13-0021	EA	24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24)	368.35	25.51
		For Wireguard, Add	*235.71*	
26 52 13 13-0022	EA	36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36)	585.89	25.51
		For Wireguard, Add	*235.71*	
26 52 13 13-0023	EA	50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50)	623.43	25.51
		For Wireguard, Add	*235.71*	
26 52 13 13-0024	EA	125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125)	898.76	25.51
		For Wireguard, Add	*251.06*	
26 52 13 13-0025	EA	275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275)	1,425.46	25.51
		For Wireguard, Add	*251.06*	
26 52 13 13-0026		**Remote Heads For Painted Steel Housing, Industrial Emergency Lights** *(26 52 13 13-0018)* Note: For use with fixtures that have remote capability.		
26 52 13 13-0027	EA	8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806)	124.63	15.31
		For Wireguard, Add	*190.22*	
26 52 13 13-0028	EA	12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206)	129.31	15.31
		For Wireguard, Add	*190.22*	
26 52 13 13-0029	EA	8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812)	125.29	15.31
		For Wireguard, Add	*190.22*	
26 52 13 13-0030	EA	12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212)	126.05	15.31
		For Wireguard, Add	*190.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0031	EA	12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512)	129.31	15.31
		For Wireguard, Add	*190.22*	
26 52 13 13-0032	EA	12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512)	153.04	15.31
		For Wireguard, Add	*190.22*	

26 52 13 13-0033 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0017)*

26 52 13 13-0034 Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: Includes lead-calcium batteries and two adjustable lamp heads.

26 52 13 13-0035	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618)	436.80	25.51
		For Self-Diagnostics, Add	*105.50*	
		For Wireguard, Add	*229.18*	
26 52 13 13-0036	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236)	476.52	25.51
		For Self-Diagnostics, Add	*105.50*	
		For Wireguard, Add	*229.18*	
26 52 13 13-0037	EA	54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654)	465.64	25.51
		For Self-Diagnostics, Add	*105.50*	
		For Wireguard, Add	*229.18*	
26 52 13 13-0038	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254)	493.39	25.51
		For Self-Diagnostics, Add	*105.50*	
		For Wireguard, Add	*229.18*	
26 52 13 13-0039	EA	100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100)	844.89	25.51
		For Self-Diagnostics, Add	*105.50*	
		For Wireguard, Add	*229.18*	
26 52 13 13-0040	EA	18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618)	659.34	25.51
		For Self-Diagnostics, Add	*61.50*	
		For Wireguard, Add	*229.18*	
26 52 13 13-0041	EA	36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236)	740.96	25.51
		For Self-Diagnostics, Add	*61.50*	
		For Wireguard, Add	*229.18*	
26 52 13 13-0042	EA	54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254)	782.31	25.51
		For Self-Diagnostics, Add	*61.50*	
		For Wireguard, Add	*229.18*	

26 52 13 13-0043 Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights *(26 52 13 13-0033)*

Note: For use with fixtures that have remote capability.

26 52 13 13-0044	EA	9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906)	106.68	15.31
26 52 13 13-0045	EA	12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206)	116.15	15.31
26 52 13 13-0046	EA	9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912)	106.79	15.31
26 52 13 13-0047	EA	12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212)	113.75	15.31
26 52 13 13-0048	EA	12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012)	95.86	15.31

26 52 13 13-0049 Outdoor Emergency Lights *(26 52 13 13)*

26 52 13 13-0050 Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights *(26 52 13 13-0049)*

Note: Includes nickel-cadmium batteries.

26 52 13 13-0051	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series)	699.06	25.51
26 52 13 13-0052	EA	10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series)	837.81	25.51

26 52 13 13-0053 Recessed Emergency Lights *(26 52 13 13)*

26 52 13 13-0054	EA	10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG)	764.51	25.51
		For Wire Guard, Add	*60.00*	
26 52 13 13-0055	EA	16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2)	581.12	51.02
		Note: Includes lead-calcium batteries and two adjustable lamp heads.		
		For Wireguard, Add	*251.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0056	EA	50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4) Note: Includes lead-calcium batteries and two adjustable lamp heads.	850.03	51.02
		For Wireguard, Add	*251.06*	

26 52 13 13-0057 Square Wraparound Emergency Lights *(26 52 13 13)*

26 52 13 13-0058	EA	10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ)	340.38	25.51

26 52 13 16 Exit Signs *(26 52 13)*

Note: Excludes pendants.

26 52 13 16-0001 LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0002	EA	Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	184.65	37.30
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.47*	
		For >500, Deduct	*-25.83*	
26 52 13 16-0003	EA	Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6)	184.65	37.30
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 250, Deduct	*-11.10*	
		For >250 To 500, Deduct	*-18.47*	
		For >500, Deduct	*-25.83*	
26 52 13 16-0004	EA	Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6)	266.96	37.30
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-15.21*	
		For >250 To 500, Deduct	*-26.70*	
		For >500, Deduct	*-38.18*	
26 52 13 16-0005	EA	Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN)	266.96	37.30
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-8.54*	
		For >100 To 250, Deduct	*-15.21*	
		For >250 To 500, Deduct	*-26.70*	
		For >500, Deduct	*-38.18*	
26 52 13 16-0006	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R)	296.38	37.30
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-9.27*	
		For >100 To 250, Deduct	*-16.68*	
		For >250 To 500, Deduct	*-29.64*	
		For >500, Deduct	*-42.59*	
26 52 13 16-0007	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R)	339.29	37.30
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-10.35*	
		For >100 To 250, Deduct	*-18.83*	
		For >250 To 500, Deduct	*-33.93*	
		For >500, Deduct	*-49.03*	
26 52 13 16-0008	EA	Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N)	278.44	37.30
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-8.83*	
		For >100 To 250, Deduct	*-15.79*	
		For >250 To 500, Deduct	*-27.84*	
		For >500, Deduct	*-39.90*	
26 52 13 16-0009	EA	Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N)	309.59	37.30
		For Green LED Lamps, Add	*15.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-9.60*	
		For >100 To 250, Deduct	*-17.34*	
		For >250 To 500, Deduct	*-30.96*	
		For >500, Deduct	*-44.57*	
26 52 13 16-0010	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4) Note: Includes two circular side mounted krypton emergency lights.	352.30	37.30
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-11.36*	
		For >100 To 250, Deduct	*-20.17*	
		For >250 To 500, Deduct	*-35.23*	
		For >500, Deduct	*-50.29*	
26 52 13 16-0011	EA	Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6) Note: Includes two circular side mounted LED emergency lights.	297.11	37.30
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-9.98*	
		For >100 To 250, Deduct	*-17.41*	
		For >250 To 500, Deduct	*-29.71*	
		For >500, Deduct	*-42.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0012	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH)	449.47	37.30
		Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-13.79*	
		For >100 To 250, Deduct	*-25.02*	
		For >250 To 500, Deduct	*-44.95*	
		For >500, Deduct	*-64.87*	
26 52 13 16-0013	EA	Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM)	472.08	37.30
		Note: Includes two circular side mounted PAR 36 emergency lights.		
		For Green LED Lamps, Add	*15.00*	
		For >50 To 100, Deduct	*-14.35*	
		For >100 To 250, Deduct	*-26.16*	
		For >250 To 500, Deduct	*-47.21*	
		For >500, Deduct	*-68.26*	
26 52 13 16-0014	EA	Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R)	115.31	37.30
		For >50 To 100, Deduct	*-4.75*	
		For >100 To 250, Deduct	*-7.63*	
		For >250 To 500, Deduct	*-11.53*	
		For >500, Deduct	*-15.43*	
26 52 13 16-0015	EA	120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R)	115.84	37.30
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 250, Deduct	*-7.66*	
		For >250 To 500, Deduct	*-11.58*	
		For >500, Deduct	*-15.51*	

26 52 13 16-0016 Edge-Lit LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0017	EA	Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6)	261.72	37.30
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-8.41*	
		For >100 To 250, Deduct	*-14.95*	
		For >250 To 500, Deduct	*-26.17*	
		For >500, Deduct	*-37.39*	
26 52 13 16-0018	EA	Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6)	264.69	37.30
		For Green LED Lamps, Add	*40.00*	
		For >50 To 100, Deduct	*-8.48*	
		For >100 To 250, Deduct	*-15.10*	
		For >250 To 500, Deduct	*-26.47*	
		For >500, Deduct	*-37.84*	
26 52 13 16-0019	EA	Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6)	284.79	37.30
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-8.98*	
		For >100 To 250, Deduct	*-16.10*	
		For >250 To 500, Deduct	*-28.48*	
		For >500, Deduct	*-40.85*	
26 52 13 16-0020	EA	Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6)	344.87	37.30
		For Green LED Lamps, Add	*40.00*	
		For Self-Diagnostics, Add	*50.00*	
		For >50 To 100, Deduct	*-10.49*	
		For >100 To 250, Deduct	*-19.11*	
		For >250 To 500, Deduct	*-34.49*	
		For >500, Deduct	*-49.87*	

26 52 13 16-0021 Self-Luminous Tritium Exit Signs *(26 52 13 16)*

Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.

26 52 13 16-0022	EA	10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R)	583.89	37.30
		For >50 To 100, Deduct	*-16.46*	
		For >100 To 250, Deduct	*-31.06*	
		For >250 To 500, Deduct	*-58.39*	
		For >500, Deduct	*-85.72*	
26 52 13 16-0023	EA	10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R)	1,092.64	37.30
		For >50 To 100, Deduct	*-29.18*	
		For >100 To 250, Deduct	*-56.50*	
		For >250 To 500, Deduct	*-109.26*	
		For >500, Deduct	*-162.03*	
26 52 13 16-0024	EA	20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R)	699.79	37.30
		For >50 To 100, Deduct	*-19.36*	
		For >100 To 250, Deduct	*-36.85*	
		For >250 To 500, Deduct	*-69.98*	
		For >500, Deduct	*-103.10*	
26 52 13 16-0025	EA	20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R)	1,185.69	37.30
		For >50 To 100, Deduct	*-31.51*	
		For >100 To 250, Deduct	*-61.15*	
		For >250 To 500, Deduct	*-118.57*	
		For >500, Deduct	*-175.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 16-0026	EA	10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R)	641.57	37.30
		For >50 To 100, Deduct	*-17.90*	
		For >100 To 250, Deduct	*-33.94*	
		For >250 To 500, Deduct	*-64.16*	
		For >500, Deduct	*-94.37*	
26 52 13 16-0027	EA	10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R)	1,185.69	37.30
		For >50 To 100, Deduct	*-31.51*	
		For >100 To 250, Deduct	*-61.15*	
		For >250 To 500, Deduct	*-118.57*	
		For >500, Deduct	*-175.99*	
26 52 13 16-0028	EA	20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R)	792.29	37.30
		For >50 To 100, Deduct	*-21.67*	
		For >100 To 250, Deduct	*-41.48*	
		For >250 To 500, Deduct	*-79.23*	
		For >500, Deduct	*-116.98*	
26 52 13 16-0029	EA	20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R)	1,477.33	37.30
		For >50 To 100, Deduct	*-38.80*	
		For >100 To 250, Deduct	*-75.73*	
		For >250 To 500, Deduct	*-147.73*	
		For >500, Deduct	*-219.73*	

26 52 13 16-0030 Vandal-Resistant LED Exit Signs *(26 52 13 16)*

Note: Includes red LED lamps.

26 52 13 16-0031	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277)	549.61	37.30
		For >50 To 100, Deduct	*-15.61*	
		For >100 To 250, Deduct	*-29.35*	
		For >250 To 500, Deduct	*-54.96*	
		For >500, Deduct	*-80.58*	
26 52 13 16-0032	EA	Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N)	864.66	37.30
		For >50 To 100, Deduct	*-23.48*	
		For >100 To 250, Deduct	*-45.10*	
		For >250 To 500, Deduct	*-86.47*	
		For >500, Deduct	*-127.83*	
26 52 13 16-0033	EA	Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X)	1,057.82	37.30
		For >50 To 100, Deduct	*-28.31*	
		For >100 To 250, Deduct	*-54.76*	
		For >250 To 500, Deduct	*-105.78*	
		For >500, Deduct	*-156.81*	

26 52 13 16-0034 Removal And Reinstallation Of Exit Light Fixture *(26 52 13 16)*

26 52 13 16-0035	EA	Removal And Reinstall Of Exit Light Fixtures Note: Includes storage and cleaning.	76.53	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 250, Deduct	*-5.74*	
		For >250 To 500, Deduct	*-7.65*	
		For >500, Deduct	*-9.57*	

26 52 13 16-0036 Exit Sign Accessories *(26 52 13 16)*

26 52 13 16-0037	EA	Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1)	129.25	10.23
		For >50 To 100, Deduct	*-3.74*	
		For >100 To 250, Deduct	*-6.97*	
		For >250 To 500, Deduct	*-12.93*	
		For >500, Deduct	*-18.88*	
26 52 13 16-0038	EA	Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1)	72.94	10.23
		For >50 To 100, Deduct	*-2.33*	
		For >100 To 250, Deduct	*-4.16*	
		For >250 To 500, Deduct	*-7.29*	
		For >500, Deduct	*-10.43*	
26 52 13 16-0039	EA	Wire Guard For Combination Exit Sign And Emergency Light (Best Lighting Products WG-3)	121.32	8.18
		For >50 To 100, Deduct	*-3.44*	
		For >100 To 250, Deduct	*-6.47*	
		For >250 To 500, Deduct	*-12.13*	
		For >500, Deduct	*-17.79*	
26 52 13 16-0040	EA	Removal And Replacement Of Battery For Exit Signs Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity	127.73	
		For >50 To 100, Deduct	*-3.83*	
		For >100 To 250, Deduct	*-7.03*	
		For >250 To 500, Deduct	*-12.77*	
		For >500, Deduct	*-18.52*	

26 54 Classified Location Lighting *(26 50)*

26 54 19 LED Classified Location Lighting *(26 54)*

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures *(26 54 19)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0002		Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA	5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L)	2,753.93	83.90
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-72.34*	
		For >100 To 250, Deduct	*-141.19*	
		For >250 To 500, Deduct	*-275.39*	
		For >500, Deduct	*-409.59*	
26 54 19 00-0004	EA	7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L)	3,379.56	89.49
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-88.22*	
		For >100 To 250, Deduct	*-172.71*	
		For >250 To 500, Deduct	*-337.96*	
		For >500, Deduct	*-503.21*	
26 54 19 00-0005	EA	9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L)	3,820.35	95.09
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-99.47*	
		For >100 To 250, Deduct	*-194.98*	
		For >250 To 500, Deduct	*-382.04*	
		For >500, Deduct	*-569.09*	
26 54 19 00-0006	EA	11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L)	4,273.43	100.67
		For Bolt-On Visor, Add	*106.99*	
		For Bolt-On Wire Guard, Add	*220.06*	
		For 480 Volt, Add	*188.41*	
		For Warm White Color Rendering, Add	*80.00*	
		For >50 To 100, Deduct	*-111.03*	
		For >100 To 250, Deduct	*-217.87*	
		For >250 To 500, Deduct	*-427.34*	
		For >500, Deduct	*-636.82*	
26 54 19 00-0007		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA	1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC)	1,613.75	78.31
		For 12/24 Volt DC Driver, Add	*30.41*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Temperature LEDs, Add	*80.00*	
		For 55 Degree Ambient Suitability (AC Only) Option, Add	*41.40*	
		For Stanchion Mount, Add	*256.35*	
		For Ceiling Mount, Add	*102.79*	
		For Wall Mount, Add	*150.05*	
		For Teflon Coated Lens, Add	*131.89*	
		For Wall Mount With Junction Box, Add	*219.09*	
		For >50 To 100, Deduct	*-43.61*	
		For >100 To 250, Deduct	*-83.95*	
		For >250 To 500, Deduct	*-161.38*	
		For >500, Deduct	*-238.80*	
26 54 19 00-0009		Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) *(26 54 19 00-0001)*		
		Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA	3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L)	2,588.57	78.31
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-67.98*	
		For >100 To 250, Deduct	*-132.69*	
		For >250 To 500, Deduct	*-258.86*	
		For >500, Deduct	*-385.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0011	EA	3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L)	2,868.64	83.90
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-75.21*	
		For >100 To 250, Deduct	*-146.93*	
		For >250 To 500, Deduct	*-286.86*	
		For >500, Deduct	*-426.80*	
26 54 19 00-0012	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L)	3,216.63	89.49
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-84.14*	
		For >100 To 250, Deduct	*-164.56*	
		For >250 To 500, Deduct	*-321.66*	
		For >500, Deduct	*-478.77*	
26 54 19 00-0013	EA	6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L)	4,201.85	95.09
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-109.01*	
		For >100 To 250, Deduct	*-214.05*	
		For >250 To 500, Deduct	*-420.19*	
		For >500, Deduct	*-626.32*	
26 54 19 00-0014	EA	9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L)	4,825.21	100.67
		For Ceiling Mount, Add	*19.67*	
		For Quick Clip Mounting Option, Add	*28.90*	
		For Frosted Lens, Add	*62.14*	
		For Warm White Color Rendering, Add	*80.00*	
		For Polycarbonate Lens, Add	*115.18*	
		For 480 Volt, Add	*188.41*	
		For >50 To 100, Deduct	*-124.83*	
		For >100 To 250, Deduct	*-245.46*	
		For >250 To 500, Deduct	*-482.52*	
		For >500, Deduct	*-719.59*	

26 54 19 00-0015 Class I Division 1, Explosion Proof, LED Fixtures *(26 54 19)*

26 54 19 00-0016 Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) *(26 54 19 00-0015)*

Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.

26 54 19 00-0017	EA	5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L)	6,111.59	83.90
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-156.29*	
		For >100 To 250, Deduct	*-309.08*	
		For >250 To 500, Deduct	*-611.16*	
		For >500, Deduct	*-913.24*	
26 54 19 00-0018	EA	6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L)	7,453.36	89.49
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-190.06*	
		For >100 To 250, Deduct	*-376.40*	
		For >250 To 500, Deduct	*-745.34*	
		For >500, Deduct	*-1,114.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0019	EA	9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L)	8,674.17	95.09
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-220.82*	
		For >100 To 250, Deduct	*-437.67*	
		For >250 To 500, Deduct	*-867.42*	
		For >500, Deduct	*-1,297.16*	
26 54 19 00-0020	EA	10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L)	9,917.57	100.67
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-252.13*	
		For >100 To 250, Deduct	*-500.07*	
		For >250 To 500, Deduct	*-991.76*	
		For >500, Deduct	*-1,483.44*	
26 54 19 00-0021	EA	13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L)	11,509.75	96.95
		For Wall Mount, Deduct	*-23.89*	
		For Warm Color Temperature LEDs, Add	*128.73*	
		For Stainless Steel Guard, Add	*231.06*	
		For Ceiling Mount, Add	*278.73*	
		For Stanchion Mount, Add	*324.40*	
		For Yoke Mount, Add	*811.00*	
		For >50 To 100, Deduct	*-292.17*	
		For >100 To 250, Deduct	*-579.92*	
		For >250 To 500, Deduct	*-1,150.98*	
		For >500, Deduct	*-1,722.03*	

26 55 Special Purpose Lighting *(26 50)*

26 55 13 Landscape Lighting *(26 55)*

26 55 13 00-0001 Bollards *(26 55 13)*

Note: Excludes concrete base.

26 55 13 00-0002 Aluminum Architectural Bollards *(26 55 13 00-0001)*

26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0002)*

26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0005	EA	24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,594.23	86.74
26 55 13 00-0006	EA	30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.43	91.84
26 55 13 00-0007	EA	36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,614.64	96.94
26 55 13 00-0008	EA	42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,487.66	102.05
26 55 13 00-0009	EA	24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,594.23	86.74
26 55 13 00-0010	EA	30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.43	91.84
26 55 13 00-0011	EA	36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,614.64	96.94
26 55 13 00-0012	EA	42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,487.66	102.05
26 55 13 00-0013	EA	24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,594.23	86.74
26 55 13 00-0014	EA	30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.43	91.84
26 55 13 00-0015	EA	36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,614.64	96.94
26 55 13 00-0016	EA	42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,487.66	102.05
26 55 13 00-0017	EA	24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,594.23	86.74
26 55 13 00-0018	EA	30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,604.43	91.84
26 55 13 00-0019	EA	36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,614.64	96.94
26 55 13 00-0020	EA	42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,487.66	102.05

26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards *(26 55 13 00-0003)*

26 55 13 00-0022	EA	24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,531.23	86.74
26 55 13 00-0023	EA	30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.43	91.84
26 55 13 00-0024	EA	36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,551.64	96.94
26 55 13 00-0025	EA	42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,424.08	102.05
26 55 13 00-0026	EA	24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,531.23	86.74
26 55 13 00-0027	EA	30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.43	91.84
26 55 13 00-0028	EA	36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,551.64	96.94
26 55 13 00-0029	EA	42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,424.08	102.05
26 55 13 00-0030	EA	24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,531.23	86.74
26 55 13 00-0031	EA	30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.43	91.84
26 55 13 00-0032	EA	36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,551.64	96.94
26 55 13 00-0033	EA	42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,424.08	102.05
26 55 13 00-0034	EA	24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,531.23	86.74
26 55 13 00-0035	EA	30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,541.43	91.84
26 55 13 00-0036	EA	36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,551.64	96.94
26 55 13 00-0037	EA	42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard	1,424.08	102.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0038		Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0039		Square, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0040	EA	24" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,676.03	86.74
26 55 13 00-0041	EA	30" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,686.23	91.84
26 55 13 00-0042	EA	36" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,696.44	96.94
26 55 13 00-0043	EA	42" Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,568.88	102.05
26 55 13 00-0044	EA	24" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,676.03	86.74
26 55 13 00-0045	EA	30" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,686.23	91.84
26 55 13 00-0046	EA	36" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,696.44	96.94
26 55 13 00-0047	EA	42" Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,568.88	102.05
26 55 13 00-0048	EA	24" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,676.03	86.74
26 55 13 00-0049	EA	30" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,686.23	91.84
26 55 13 00-0050	EA	36" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,696.44	96.94
26 55 13 00-0051	EA	42" Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,637.34	102.05
26 55 13 00-0052		Round, Metal Halide, Aluminum Architectural Bollards *(26 55 13 00-0038)*		
26 55 13 00-0053	EA	24" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,612.46	86.74
26 55 13 00-0054	EA	30" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,622.66	91.84
26 55 13 00-0055	EA	36" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,632.87	96.94
26 55 13 00-0056	EA	42" Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard	1,505.31	102.05
26 55 13 00-0057	EA	24" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,612.46	86.74
26 55 13 00-0058	EA	30" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,622.66	91.84
26 55 13 00-0059	EA	36" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,632.87	96.94
26 55 13 00-0060	EA	42" Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard	1,505.31	102.05
26 55 13 00-0061	EA	24" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,612.46	86.74
26 55 13 00-0062	EA	30" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,622.66	91.84
26 55 13 00-0063	EA	36" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,632.87	96.94
26 55 13 00-0064	EA	42" Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard	1,505.31	102.05
26 55 13 00-0065		Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0066		Square, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0067	EA	24" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,587.06	86.74
26 55 13 00-0068	EA	30" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.26	91.84
26 55 13 00-0069	EA	36" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,607.47	96.94
26 55 13 00-0070	EA	42" Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,481.77	102.05
26 55 13 00-0071	EA	24" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,587.06	86.74
26 55 13 00-0072	EA	30" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.26	91.84
26 55 13 00-0073	EA	36" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,607.47	96.94
26 55 13 00-0074	EA	42" Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,481.77	102.05
26 55 13 00-0075	EA	24" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,587.06	86.74
26 55 13 00-0076	EA	30" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,597.26	91.84
26 55 13 00-0077	EA	36" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,607.47	96.94
26 55 13 00-0078	EA	42" Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,481.77	102.05
26 55 13 00-0079		Round, Compact Fluorescent, Aluminum Architectural Bollards *(26 55 13 00-0065)*		
26 55 13 00-0080	EA	24" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,524.87	86.74
26 55 13 00-0081	EA	30" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,535.07	91.84
26 55 13 00-0082	EA	36" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,545.28	96.94
26 55 13 00-0083	EA	42" Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,420.78	102.05
26 55 13 00-0084	EA	24" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,524.87	86.74
26 55 13 00-0085	EA	30" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,535.07	91.84
26 55 13 00-0086	EA	36" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,545.28	96.94
26 55 13 00-0087	EA	42" Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,420.78	102.05
26 55 13 00-0088	EA	24" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,524.87	86.74
26 55 13 00-0089	EA	30" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,535.07	91.84
26 55 13 00-0090	EA	36" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,545.28	96.94
26 55 13 00-0091	EA	42" Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard	1,420.78	102.05
26 55 13 00-0092		LED, Aluminum Architectural Bollards *(26 55 13 00-0002)*		
26 55 13 00-0093		Square, LED, Aluminum Architectural Bollards *(26 55 13 00-0092)*		
26 55 13 00-0094	EA	24" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,909.96	86.74
26 55 13 00-0095	EA	30" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,920.16	91.84
26 55 13 00-0096	EA	36" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,930.37	96.94
26 55 13 00-0097	EA	42" Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard	1,806.39	102.05
26 55 13 00-0098	EA	24" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,342.88	86.74
26 55 13 00-0099	EA	30" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,353.08	91.84
26 55 13 00-0100	EA	36" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,363.29	96.94
26 55 13 00-0101	EA	42" Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard	2,237.16	102.05
26 55 13 00-0102		Round, LED, Aluminum Architectural Bollards *(26 55 13 00-0092)*		
26 55 13 00-0103	EA	24" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,845.38	86.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 13 00-0104	EA	30" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,855.58	91.84
26 55 13 00-0105	EA	36" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,865.79	96.94
26 55 13 00-0106	EA	42" Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard	1,739.66	102.05
26 55 13 00-0107	EA	24" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,278.30	86.74
26 55 13 00-0108	EA	30" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,288.50	91.84
26 55 13 00-0109	EA	36" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,298.71	96.94
26 55 13 00-0110	EA	42" Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard	2,173.35	102.05
26 55 13 00-0111		**Reinforced Concrete Bollards** *(26 55 13 00-0001)*		
26 55 13 00-0112	EA	48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard	1,484.95	255.12
26 55 13 00-0113	EA	58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard	2,668.85	340.12
26 55 13 00-0114		**Low Voltage** *(26 55 13)*		
26 55 13 00-0115	EA	Low Voltage Recessed Uplight	740.45	185.73
26 55 13 00-0116	EA	Low Voltage Walkway	536.79	102.05
26 55 13 00-0117	EA	Low Voltage Malibu - 5 Light Set	514.44	136.23
26 55 13 00-0118	EA	Low Voltage Mushroom 24" Pier	452.11	102.05
26 55 13 00-0119		**Recessed, Adjustable** *(26 55 13)*		
26 55 13 00-0120	EA	150 Watt Incandescent Recessed, Adjustable	889.09	163.28
26 55 13 00-0121	EA	300 Watt Incandescent Recessed, Adjustable	979.82	163.28
26 55 13 00-0122		**Recessed, Uplight** *(26 55 13)*		
26 55 13 00-0123	EA	50 Watt Incandescent Recessed Uplight	786.25	163.28
26 55 13 00-0124	EA	150 Watt Incandescent Recessed Uplight	804.40	163.28
26 55 13 00-0125	EA	300 Watt Incandescent Recessed Uplight	858.84	163.28
26 55 13 00-0126	EA	500 Watt Quartz Recessed Uplight	852.79	163.28
26 55 13 00-0127	EA	5 Watt, LED Recessed Uplight	1,116.83	163.28
26 55 13 00-0128	EA	15 Watt, LED Recessed Uplight	1,237.44	163.28
26 55 13 00-0129		**Recessed Wall Light** *(26 55 13)*		
26 55 13 00-0130	EA	100 Watt Incandescent Recessed Wall Light	397.67	102.05
26 55 13 00-0131	EA	100 Watt Fluorescent Recessed Wall Light	379.52	102.05
26 55 13 00-0132	EA	100 Watt High Intensity Discharge (HID) Recessed Wall Light	629.37	136.23
26 55 13 00-0133		**Step Lights** *(26 55 13)*		
26 55 13 00-0134	EA	Incandescent Step Light	326.54	81.63
26 55 13 00-0135	EA	Fluorescent Step Light	387.09	81.63
26 55 13 00-0136	EA	5 Watt, LED Step Light	617.59	81.63
26 55 13 00-0137	EA	15 Watt, LED Step Light	746.24	81.63
26 55 13 00-0138		**Tree Lights, Surface Adjustable** *(26 55 13)*		
26 55 13 00-0139	EA	50 Watt Incandescent Tree Lights	708.01	136.23
26 55 13 00-0140	EA	100 Watt Incandescent Tree Lights	726.15	136.23
26 55 13 00-0141	EA	150 Watt Incandescent Tree Lights	892.10	204.10
26 55 16		**Walkway Lighting** *(26 55)*		
26 55 16 00-0001		**Incandescent Walkway** *(26 55 16)*		
26 55 16 00-0002	EA	Post Top 300 Watt Incandescent Walkway Fixture	370.13	94.90
26 55 16 00-0003		**Metal Halide Walkway** *(26 55 16)*		
26 55 16 00-0004	EA	Post Top 100 Watt Metal Halide Walkway Fixture	568.72	149.19
26 55 16 00-0005	EA	Post Top 150-175 Watt Metal Halide Walkway Fixture	603.09	154.60
26 55 16 00-0006	EA	Post Top 250 Watt Metal Halide Walkway Fixture	651.88	160.52
26 55 16 00-0007	EA	Post Top 400 Watt Metal Halide Walkway Fixture	697.68	173.48
26 55 16 00-0008	EA	Round Luminaries 100 Watt Metal Halide Walkway Fixture	620.36	160.52
26 55 16 00-0009	EA	Round Luminaries 150-175 Watt Metal Halide Walkway Fixture	629.36	149.19
26 55 16 00-0010	EA	Round Luminaries 250 Watt Metal Halide Walkway Fixture	640.94	154.60
26 55 16 00-0011	EA	Spherical 100 Watt Metal Halide Walkway Fixture	512.06	106.33
26 55 16 00-0012	EA	Spherical 150-175 Watt Metal Halide Walkway Fixture	543.59	106.33
26 55 16 00-0013	EA	Spherical 250 Watt Metal Halide Walkway Fixture	575.11	106.33
26 55 16 00-0014	EA	Spherical 400 Watt Metal Halide Walkway Fixture	649.34	119.70
26 55 16 00-0015	EA	Low Walkway 100 Watt Metal Halide Walkway Fixture	490.56	95.51
26 55 16 00-0016		**High Pressure Sodium Walkway** *(26 55 16)*		
26 55 16 00-0017	EA	Post Top 100 Watt High Pressure Sodium Walkway Fixture	509.58	149.19
26 55 16 00-0018	EA	Post Top 150-175 Watt High Pressure Sodium Walkway Fixture	538.81	154.60
26 55 16 00-0019	EA	Post Top 250 Watt High Pressure Sodium Walkway Fixture	579.48	160.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 16 00-0020	EA	Post Top 400 Watt High Pressure Sodium Walkway Fixture	620.99	173.48
26 55 16 00-0021	EA	Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture	554.86	160.52
26 55 16 00-0022	EA	Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture	556.96	149.19
26 55 16 00-0023	EA	Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture	568.38	154.60
26 55 16 00-0024	EA	Spherical 100 Watt High Pressure Sodium Walkway Fixture	446.56	106.33
26 55 16 00-0025	EA	Spherical 175 150-Watt High Pressure Sodium Walkway Fixture	471.18	106.33
26 55 16 00-0026	EA	Spherical 250 Watt High Pressure Sodium Walkway Fixture	495.81	106.33
26 55 16 00-0027	EA	Spherical 400 Watt High Pressure Sodium Walkway Fixture	559.70	119.70
26 55 16 00-0028	EA	Low Walkway 100 Watt High Pressure Sodium Walkway Fixture	474.59	95.51
26 55 16 00-0029		Walkway, Adjustable *(26 55 16)*		
26 55 16 00-0030	EA	2' Fluorescent Adjustable Walkway Fixture	536.87	136.23
26 55 16 00-0031	EA	4' Fluorescent Adjustable Walkway Fixture	552.42	136.23
26 55 16 00-0032	EA	8' Fluorescent Adjustable Walkway Fixture	957.70	204.10
26 55 16 00-0033	EA	50 Watt Incandescent Adjustable Walkway Fixture	452.94	102.05
26 55 16 00-0034	EA	150 Watt Incandescent Adjustable Walkway Fixture	473.68	102.05
26 55 16 00-0035		LED Walkway *(26 55 16)*		
26 55 16 00-0036		LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) *(26 55 16 00-0035)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA	13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	950.61	78.31
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0038	EA	18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	982.15	78.31
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0039	EA	36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,037.82	78.31
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0040	EA	42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,080.49	78.31
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0041	EA	96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG)	1,238.40	100.67
		For Multi-Level Drive Currents, Add	*259.76*	
26 55 16 00-0042		Wall Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0043	EA	Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) Note: Type Fixture 17 as Post	4,540.93	
26 55 16 00-0044		Pole Mounted Walkway Lighting *(26 55 16 00-0035)*		
26 55 16 00-0045	EA	43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27)	4,182.45	
26 55 16 00-0046	EA	12' Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) Note: Washers and nuts included	4,104.99	
26 55 29		**Underwater Lighting** *(26 55)*		
26 55 29 00-0001		Underwater Lights *(26 55 29)*		
26 55 29 00-0002	EA	150 Watt, 120 Volt Underwater Lights	601.50	67.86
26 55 29 00-0003	EA	300 Watt, 120 Volt Underwater Lights	674.09	67.86
26 55 29 00-0004	EA	1,000 Watt, 120 Volt Underwater Lights	1,686.10	102.05
26 55 29 00-0005	EA	50 Watt, 12 Volt Underwater Lights	631.75	67.86
26 55 29 00-0006	EA	300 Watt, 12 Volt Underwater Lights	716.43	67.86
26 55 29 00-0007	SET	Under Water Fountain Fixture, Set Of 6, 300 Watt, Incandescent	1,848.24	153.07
26 55 53		**Security Lighting** *(26 55)*		
26 55 53 11		**Security Flood Lighting** *(26 55 53)*		
26 55 53 11-0001		Flood Lights (General Electric Powerflood®) *(26 55 53 11)*		
26 55 53 11-0002		MPF (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003		High Pressure Sodium MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0004	EA	70 Watt High Pressure Sodium MPF Series GE Flood Light	354.82	88.15
26 55 53 11-0005	EA	100 Watt High Pressure Sodium MPF Series GE Flood Light	358.39	88.15
26 55 53 11-0006	EA	150 Watt High Pressure Sodium MPF Series GE Flood Light	364.34	88.15
26 55 53 11-0007		Metal Halide MPF Series GE Flood Lights *(26 55 53 11-0002)*		
26 55 53 11-0008	EA	70 Watt Metal Halide MPF Series GE Flood Light	496.44	88.15
26 55 53 11-0009		P-154 (Small Size) Series GE Flood Lights *(26 55 53 11-0001)* Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0010		**High Pressure Sodium P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0011	EA	70 Watt High Pressure Sodium P-154 Series GE Flood Light	748.00	117.54
26 55 53 11-0012	EA	100 Watt High Pressure Sodium P-154 Series GE Flood Light	752.76	117.54
26 55 53 11-0013	EA	150 Watt High Pressure Sodium P-154 Series GE Flood Light	761.09	117.54
26 55 53 11-0014	EA	250 Watt High Pressure Sodium P-154 Series GE Flood Light	855.11	117.54
26 55 53 11-0015	EA	400 Watt High Pressure Sodium P-154 Series GE Flood Light	882.48	117.54
26 55 53 11-0016		**Metal Halide P-154 Series GE Flood Lights** *(26 55 53 11-0009)*		
26 55 53 11-0017	EA	175 Watt Metal Halide P-154 Series GE Flood Light	739.67	117.54
26 55 53 11-0018	EA	250 Watt Metal Halide P-154 Series GE Flood Light	781.33	117.54
26 55 53 11-0019	EA	400 Watt Metal Halide P-154 Series GE Flood Light	802.75	117.54
26 55 53 11-0020		**PF-154 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021		**High Pressure Sodium PF-154 Series GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0022	EA	70 Watt High Pressure Sodium PF-154 Series GE Flood Light	757.15	132.23
26 55 53 11-0023	EA	100 Watt High Pressure Sodium PF-154 Series GE Flood Light	763.10	132.23
26 55 53 11-0024	EA	150 Watt High Pressure Sodium PF-154 Series GE Flood Light	772.62	132.23
26 55 53 11-0025	EA	250 Watt High Pressure Sodium PF-154 Series GE Flood Light	865.45	132.23
26 55 53 11-0026	EA	400 Watt High Pressure Sodium PF-154 Series GE Flood Light	891.63	132.23
26 55 53 11-0027		**Metal Halide PF-154 GE Flood Lights** *(26 55 53 11-0020)*		
26 55 53 11-0028	EA	175 Watt Metal Halide PF-154 Series GE Flood Light	750.01	132.23
26 55 53 11-0029	EA	250 Watt Metal Halide PF-154 Series GE Flood Light	790.47	132.23
26 55 53 11-0030	EA	400 Watt Metal Halide PF-154 Series GE Flood Light	811.90	132.23
26 55 53 11-0031		**PF-400 (Medium Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0032		**High Pressure Sodium PF-400 Series GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,038.01	132.23
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,121.32	132.23
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,115.37	132.23
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light	1,145.12	132.23
26 55 53 11-0037		**Metal Halide PF-400 GE Flood Lights** *(26 55 53 11-0031)*		
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light	1,068.96	132.23
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light	1,093.95	132.23
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light	1,120.13	132.23
26 55 53 11-0041		**PF-1000 (Large Size) Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0042		**High Pressure Sodium PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,423.24	146.92
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light	1,423.24	146.92
26 55 53 11-0045		**Metal Halide PF-1000 Series GE Flood Lights** *(26 55 53 11-0041)*		
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light	1,354.22	146.92
26 55 53 11-0047		**HLU/VLU (Medium Size) FRP Series GE Flood Lights** *(26 55 53 11-0001)*		
		Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0048		**High Pressure Sodium HLU/VLU FRP Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,152.26	132.23
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light	1,174.88	132.23
26 55 53 11-0051		**Metal Halide HLU/VLU Series GE Flood Lights** *(26 55 53 11-0047)*		
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light	1,165.36	132.23
26 55 53 11-0053		**Accessories For Powerflood GE Flood Lights** *(26 55 53 11-0001)*		
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light	195.63	29.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light	107.56	29.38
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light	162.31	29.38
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light	120.66	29.38
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light	297.69	88.15
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light	133.75	29.38
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light	208.43	88.15
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light	219.14	88.15
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light	96.85	29.38
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light	93.28	29.38
26 55 53 11-0064		Flood Lights (Lithonia Contour Series) *(26 55 53 11)*		
26 55 53 11-0065		TFM (Small Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.		
26 55 53 11-0066		High Pressure Sodium TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light	684.64	117.54
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light	753.36	117.54
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light	820.65	117.54
26 55 53 11-0070		Metal Halide TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light	904.62	117.54
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light	888.08	117.54
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light	861.42	117.54
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light	859.44	117.54
26 55 53 11-0075		Compact Fluorescent TFM Series Lithonia Flood Lights *(26 55 53 11-0065)*		
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light	897.77	117.54
26 55 53 11-0077		TFL (Medium Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078		High Pressure Sodium TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0079	EA	250 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,072.10	132.23
26 55 53 11-0080	EA	400 Watt High Pressure Sodium TFL Series Lithonia Flood Light	1,095.02	132.23
26 55 53 11-0081		Metal Halide TFL Series Lithonia Flood Lights *(26 55 53 11-0077)*		
26 55 53 11-0082	EA	175 Watt Metal Halide TFL Series Lithonia Flood Light	1,020.59	132.23
26 55 53 11-0083	EA	250 Watt Metal Halide TFL Series Lithonia Flood Light	1,020.59	132.23
26 55 53 11-0084	EA	400 Watt Metal Halide TFL Series Lithonia Flood Light	1,056.53	132.23
26 55 53 11-0085		TFR (Low Profile) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086		High Pressure Sodium TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0087	EA	150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,031.29	117.54
26 55 53 11-0088	EA	250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,065.59	117.54
26 55 53 11-0089	EA	400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light	1,094.25	117.54
26 55 53 11-0090		Metal Halide TFR Lithonia Flood Lights *(26 55 53 11-0085)*		
26 55 53 11-0091	EA	250 Watt Metal Halide TFR Series Lithonia Flood Light	1,019.82	117.54
26 55 53 11-0092	EA	400 Watt Metal Halide TFR Series Lithonia Flood Light	1,054.17	117.54
26 55 53 11-0093		TFA (Large Size) Series Lithonia Flood Lights *(26 55 53 11-0064)*		
		Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094		High Pressure Sodium TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0095	EA	1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light	2,040.62	146.92
26 55 53 11-0096		Metal Halide TFA Series Lithonia Flood Lights *(26 55 53 11-0093)*		
26 55 53 11-0097	EA	400 Watt Metal Halide TFA Series Lithonia Flood Light	1,553.80	146.92
26 55 53 11-0098	EA	1,000 Watt Metal Halide TFA Series Lithonia Flood Light	1,725.60	146.92
26 55 53 11-0099		Accessories For Contour Series Lithonia Flood Lights *(26 55 53 11-0064)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0100	EA	Wireguard For Contour Series Lithonia Flood Light	166.76	29.38
26 55 53 11-0101	EA	Vandal Guard For Contour Series Lithonia Flood Light	335.40	29.38
26 55 53 11-0102	EA	Upper Visor For Contour Series Lithonia Flood Light	134.94	29.38
26 55 53 11-0103	EA	Full Visor For Contour Series Lithonia Flood Light	186.47	29.38
26 55 53 11-0104	EA	Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light	405.35	88.15
26 55 53 11-0105	EA	Radius Wall Bracket For Contour Series Lithonia Flood Light	314.16	88.15
26 55 53 11-0106	EA	Steel Angle Bracket For Contour Series Lithonia Flood Light	314.16	88.15
26 55 53 11-0107	EA	U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe	350.53	88.15
26 55 53 11-0108	EA	Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light	158.93	29.38
26 55 53 11-0109	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light	123.99	29.38

26 55 53 11-0110 Flood Lights (Eaton) *(26 55 53 11)*

26 55 53 11-0111	EA	6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB)	1,108.17	117.54
		For NEMA Photocontrol Option (Eaton OA/RA1016), Add	*61.61*	
		For >50 To 100, Deduct	*-33.58*	
		For >100 To 250, Deduct	*-61.29*	
		For >250 To 500, Deduct	*-110.82*	
		For >500, Deduct	*-160.35*	
26 55 53 11-0112	EA	16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunnion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016)	1,383.66	128.45
		For >50 To 100, Deduct	*-41.01*	
		For >100 To 250, Deduct	*-75.61*	
		For >250 To 500, Deduct	*-138.37*	
		For >500, Deduct	*-201.13*	

26 55 53 11-0113 Flood Lights (Ruud) *(26 55 53 11)*

26 55 53 11-0114 NS (Micro) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.

26 55 53 11-0115 High Pressure Sodium NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0116	EA	35 Watt High Pressure Sodium NS Series Ruud Flood Light	445.26	88.15
26 55 53 11-0117	EA	50 Watt High Pressure Sodium NS Series Ruud Flood Light	445.26	88.15
26 55 53 11-0118	EA	70 Watt High Pressure Sodium NS Series Ruud Flood Light	445.26	88.15
26 55 53 11-0119	EA	100 Watt High Pressure Sodium NS Series Ruud Flood Light	445.26	88.15
26 55 53 11-0120	EA	150 Watt High Pressure Sodium NS Series Ruud Flood Light	445.26	88.15

26 55 53 11-0121 Metal Halide NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0122	EA	50 Watt Metal Halide NS Series Ruud Flood Light	511.91	88.15
26 55 53 11-0123	EA	70 Watt Metal Halide NS Series Ruud Flood Light	511.91	88.15
26 55 53 11-0124	EA	100 Watt Metal Halide NS Series Ruud Flood Light	511.91	88.15

26 55 53 11-0125 Compact Fluorescent NS Series Ruud Flood Lights *(26 55 53 11-0114)*

26 55 53 11-0126	EA	13 Watt Compact Fluorescent NS Series Ruud Flood Light	376.24	88.15
26 55 53 11-0127	EA	26 Watt Compact Fluorescent NS Series Ruud Flood Light	392.90	88.15
26 55 53 11-0128	EA	32 Watt Compact Fluorescent NS Series Ruud Flood Light	397.66	88.15
26 55 53 11-0129	EA	42 Watt Compact Fluorescent NS Series Ruud Flood Light	402.42	88.15

26 55 53 11-0130 NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.

26 55 53 11-0131 High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0132	EA	150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	688.13	132.23
26 55 53 11-0133	EA	250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	730.97	132.23
26 55 53 11-0134	EA	400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light	754.77	132.23

26 55 53 11-0135 Metal Halide NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0136	EA	175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	678.60	132.23
26 55 53 11-0137	EA	250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	683.37	132.23
26 55 53 11-0138	EA	400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light	697.65	132.23

26 55 53 11-0139 Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights *(26 55 53 11-0130)*

26 55 53 11-0140	EA	70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light	661.94	132.23

26 55 53 11-0141 FS (Square) Series Ruud Flood Lights *(26 55 53 11-0113)*

Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.

26 55 53 11-0142 High Pressure Sodium FS Series Ruud Flood Lights *(26 55 53 11-0141)*

26 55 53 11-0143	EA	250 Watt High Pressure Sodium FS Series Ruud Flood Light	814.28	132.23
26 55 53 11-0144	EA	400 Watt High Pressure Sodium FS Series Ruud Flood Light	819.04	132.23
26 55 53 11-0145	EA	1,000 Watt High Pressure Sodium FS Series Ruud Flood Light	1,424.44	146.92

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0146		Metal Halide FS Series Ruud Flood Lights *(26 55 53 11-0141)*		
26 55 53 11-0147	EA	175 Watt Metal Halide FS Series Ruud Flood Light	814.28	132.23
26 55 53 11-0148	EA	250 Watt Metal Halide FS Series Ruud Flood Light	819.04	132.23
26 55 53 11-0149	EA	400 Watt Metal Halide FS Series Ruud Flood Light	833.32	132.23
26 55 53 11-0150	EA	1,000 Watt Metal Halide FS Series Ruud Flood Light	1,267.34	146.92
26 55 53 11-0151		MFS (Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152		High Pressure Sodium MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0153	EA	35 Watt High Pressure Sodium MFS Series Ruud Flood Light	632.56	117.54
26 55 53 11-0154	EA	50 Watt High Pressure Sodium MFS Series Ruud Flood Light	682.55	117.54
26 55 53 11-0155	EA	70 Watt High Pressure Sodium MFS Series Ruud Flood Light	682.55	117.54
26 55 53 11-0156	EA	100 Watt High Pressure Sodium MFS Series Ruud Flood Light	682.55	117.54
26 55 53 11-0157	EA	150 Watt High Pressure Sodium MFS Series Ruud Flood Light	682.55	117.54
26 55 53 11-0158		Metal Halide MFS Series Ruud Flood Lights *(26 55 53 11-0151)*		
26 55 53 11-0159	EA	50 Watt Metal Halide MFS Series Ruud Flood Light	699.21	117.54
26 55 53 11-0160	EA	70 Watt Metal Halide MFS Series Ruud Flood Light	699.21	117.54
26 55 53 11-0161	EA	100 Watt Metal Halide MFS Series Ruud Flood Light	699.21	117.54
26 55 53 11-0162	EA	175 Watt Metal Halide MFS Series Ruud Flood Light	673.03	117.54
26 55 53 11-0163		MCF/MPM/MPN (Mini Cutoff. Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164		High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0165	EA	35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	692.07	117.54
26 55 53 11-0166	EA	50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	742.05	117.54
26 55 53 11-0167	EA	70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	742.05	117.54
26 55 53 11-0168	EA	100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	742.05	117.54
26 55 53 11-0169	EA	150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light	742.05	117.54
26 55 53 11-0170		Metal Halide MCF/MPM/MPN Series Ruud Flood Lights *(26 55 53 11-0163)*		
26 55 53 11-0171	EA	50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	758.71	117.54
26 55 53 11-0172	EA	70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	758.71	117.54
26 55 53 11-0173	EA	100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	758.71	117.54
26 55 53 11-0174	EA	175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light	732.53	117.54
26 55 53 11-0175		CF (Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
26 55 53 11-0176		High Pressure Sodium CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0177	EA	250 Watt High Pressure Sodium CF Series Ruud Flood Light	926.15	132.23
26 55 53 11-0178	EA	400 Watt High Pressure Sodium CF Series Ruud Flood Light	949.95	132.23
26 55 53 11-0179	EA	1,000 Watt High Pressure Sodium CF Series Ruud Flood Light	1,483.94	146.92
26 55 53 11-0180		Metal Halide CF Series Ruud Flood Lights *(26 55 53 11-0175)*		
26 55 53 11-0181	EA	175 Watt Metal Halide CF Series Ruud Flood Light	873.78	132.23
26 55 53 11-0182	EA	250 Watt Metal Halide CF Series Ruud Flood Light	878.54	132.23
26 55 53 11-0183	EA	400 Watt Metal Halide CF Series Ruud Flood Light	892.82	132.23
26 55 53 11-0184	EA	1,000 Watt Metal Halide CF Series Ruud Flood Light	1,326.85	146.92
26 55 53 11-0185		CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
26 55 53 11-0186		High Pressure Sodium CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0187	EA	400 High Pressure Sodium CN Series Ruud Flood Light	1,207.84	146.92
26 55 53 11-0188	EA	1,000 High Pressure Sodium CN Series Ruud Flood Light	1,455.38	146.92
26 55 53 11-0189		Metal Halide CN Series Ruud Flood Lights *(26 55 53 11-0185)*		
26 55 53 11-0190	EA	400 Watt Metal Halide CN Series Ruud Flood Light	1,150.71	146.92
26 55 53 11-0191	EA	1,000 Watt Metal Halide CN Series Ruud Flood Light	1,298.28	146.92
26 55 53 11-0192		PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights *(26 55 53 11-0113)*		
		Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0193		High Pressure Sodium PM/PN Series Ruud Flood Lights *(26 55 53 11-0192)*		
26 55 53 11-0194	EA	250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	959.47	132.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0195	EA	400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light	983.27	132.23
26 55 53 11-0196		**Metal Halide PM/PN Series Ruud Flood Lights** *(26 55 53 11-0192)*		
26 55 53 11-0197	EA	175 Watt Metal Halide PM/PN Series Ruud Flood Light	907.10	132.23
26 55 53 11-0198	EA	250 Watt Metal Halide PM/PN Series Ruud Flood Light	911.86	132.23
26 55 53 11-0199	EA	400 Watt Metal Halide PM/PN Series Ruud Flood Light	926.15	132.23
26 55 53 11-0200	EA	1,000 Watt Metal Halide PM/PN Series Ruud Flood Light	1,360.17	146.92
26 55 53 11-0201		**Accessories For Ruud Flood Lighting** *(26 55 53 11-0113)*		
26 55 53 11-0202	EA	Wireguard For Rudd Flood Light	94.47	29.38
26 55 53 11-0203	EA	Deep Baffle (Full Visor) For Rudd Flood Light	158.74	29.38
26 55 53 11-0204	EA	Glare Guard (Upper Visor) For Rudd Flood Light	111.13	29.38
26 55 53 11-0205	EA	Vandal Shield For Rudd Flood Light	134.94	29.38
26 55 53 11-0206	EA	Pipe Mounting Bracket For Ruud Flood Light	257.23	88.15
26 55 53 11-0207	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light	80.19	29.38
26 55 53 11-0208		**Flood Lights (Lumark)** *(26 55 53 11)*		
26 55 53 11-0209		**QZ Wedge Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA	500 Watt QZ Wedge Series Quartz Lumark Flood Light	224.98	88.15
26 55 53 11-0211		**LQL Series Quartz Lumark Flood Lights** *(26 55 53 11-0208)*		
		Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA	1,500 Watt LQL Series Quartz Lumark Flood Light	295.19	88.15
26 55 53 11-0213		**Flood Lights (Kim Lighting)** *(26 55 53 11)*		
26 55 53 11-0214		**MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0215		**LED MicroFlood® Series Kim Lighting Flood Lights** *(26 55 53 11-0214)*		
26 55 53 11-0216	EA	5 Watt, LED MicroFlood® Series Kim Lighting Flood Light	540.24	35.78
		For >50 To 100, Deduct	*-15.30*	
		For >100 To 250, Deduct	*-28.80*	
		For >250 To 500, Deduct	*-54.02*	
		For >500, Deduct	*-79.25*	
26 55 53 11-0217	EA	15 Watt, LED MicroFlood® Series Kim Lighting Flood Light	672.34	35.78
		For >50 To 100, Deduct	*-18.60*	
		For >100 To 250, Deduct	*-35.41*	
		For >250 To 500, Deduct	*-67.23*	
		For >500, Deduct	*-99.06*	
26 55 53 11-0218		**Scarab® Series Kim Lighting Flood Lights** *(26 55 53 11-0213)*		
		Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219		**LED Scarab® Series Kim Lighting Accent Flood Lights** *(26 55 53 11-0218)*		
		Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA	6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light	834.64	35.78
		For >50 To 100, Deduct	*-22.66*	
		For >100 To 250, Deduct	*-43.52*	
		For >250 To 500, Deduct	*-83.46*	
		For >500, Deduct	*-123.41*	
26 55 53 11-0221		**Flood Lights (CREE® BetaLED®)** *(26 55 53 11)*		
26 55 53 11-0222		**Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)** *(26 55 53 11-0221)*		
		Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA	40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,226.98	105.09
		For >50 To 100, Deduct	*-35.93*	
		For >100 To 250, Deduct	*-66.60*	
		For >250 To 500, Deduct	*-122.70*	
		For >500, Deduct	*-178.79*	
26 55 53 11-0224	EA	60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304)	1,346.27	110.93
		For >50 To 100, Deduct	*-39.20*	
		For >100 To 250, Deduct	*-72.86*	
		For >250 To 500, Deduct	*-134.63*	
		For >500, Deduct	*-196.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0225		**Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)** *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA	20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,061.30	99.25
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-31.50*	
		For >100 To 250, Deduct	*-58.03*	
		For >250 To 500, Deduct	*-106.13*	
		For >500, Deduct	*-154.23*	
26 55 53 11-0227	EA	40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,345.73	105.09
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-38.90*	
		For >100 To 250, Deduct	*-72.54*	
		For >250 To 500, Deduct	*-134.57*	
		For >500, Deduct	*-196.60*	
26 55 53 11-0228	EA	60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	1,630.15	110.93
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-46.30*	
		For >100 To 250, Deduct	*-87.05*	
		For >250 To 500, Deduct	*-163.02*	
		For >500, Deduct	*-238.98*	
26 55 53 11-0229	EA	80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,024.05	116.77
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-56.44*	
		For >100 To 250, Deduct	*-107.04*	
		For >250 To 500, Deduct	*-202.41*	
		For >500, Deduct	*-297.77*	
26 55 53 11-0230	EA	100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,308.49	122.60
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-63.84*	
		For >100 To 250, Deduct	*-121.56*	
		For >250 To 500, Deduct	*-230.85*	
		For >500, Deduct	*-340.14*	
26 55 53 11-0231	EA	120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,592.92	128.45
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-71.25*	
		For >100 To 250, Deduct	*-136.07*	
		For >250 To 500, Deduct	*-259.29*	
		For >500, Deduct	*-382.52*	
26 55 53 11-0232	EA	140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	2,964.55	134.28
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-80.83*	
		For >100 To 250, Deduct	*-154.94*	
		For >250 To 500, Deduct	*-296.46*	
		For >500, Deduct	*-437.97*	
26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG)	3,248.98	140.12
		For 480 Volt, Add	*111.02*	
		For >50 To 100, Deduct	*-88.23*	
		For >100 To 250, Deduct	*-169.46*	
		For >250 To 500, Deduct	*-324.90*	
		For >500, Deduct	*-480.34*	
26 55 53 11-0234		**Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)** *(26 55 53 11-0221)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	2,483.45	128.45
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*47.32*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For >50 To 100, Deduct	*-68.51*	
		For >100 To 250, Deduct	*-130.60*	
		For >250 To 500, Deduct	*-248.35*	
		For >500, Deduct	*-366.10*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO)	4,242.18	157.64
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*70.92*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-113.94*	
		For >100 To 250, Deduct	*-219.99*	
		For >250 To 500, Deduct	*-424.22*	
		For >500, Deduct	*-628.45*	

26 55 53 11-0237 Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™) *(26 55 53 11-0221)*

Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL)	1,428.77	128.45
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*35.82*	
		For Rotated Optics, Back Light Shield, Add	*35.82*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-42.14*	
		For >100 To 250, Deduct	*-77.86*	
		For >250 To 500, Deduct	*-142.88*	
		For >500, Deduct	*-207.89*	
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) Note: Type III, IV or V medium optics only.	1,532.17	128.45
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Front Facing Optics, Back Light Shield, Add	*35.82*	
		For Rotated Optics, Back Light Shield, Add	*35.82*	
		For Field Adjustable Output, Add	*32.83*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Type II Medium Or Type V Short Optics, Add	*364.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-44.73*	
		For >100 To 250, Deduct	*-83.03*	
		For >250 To 500, Deduct	*-153.22*	
		For >500, Deduct	*-223.40*	
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL)	1,969.68	157.64
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Front Facing Optics, Back Light Shield, Add	*43.33*	
		For Rotated Optics, Back Light Shield, Add	*43.33*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-57.12*	
		For >100 To 250, Deduct	*-106.37*	
		For >250 To 500, Deduct	*-196.97*	
		For >500, Deduct	*-287.57*	

26 55 53 11-0241 Flood Lights (PlanLED) *(26 55 53 11)*

26 55 53 11-0242 Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) *(26 55 53 11-0241)*

26 55 53 11-0243	EA	6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050)	636.64	105.09
		For >50 To 100, Deduct	*-21.17*	
		For >100 To 250, Deduct	*-37.09*	
		For >250 To 500, Deduct	*-63.66*	
		For >500, Deduct	*-90.24*	
26 55 53 11-0244	EA	9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075)	768.60	110.93
		For >50 To 100, Deduct	*-24.76*	
		For >100 To 250, Deduct	*-43.98*	
		For >250 To 500, Deduct	*-76.86*	
		For >500, Deduct	*-109.74*	
26 55 53 11-0245	EA	12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100)	891.08	119.69
		For >50 To 100, Deduct	*-28.26*	
		For >100 To 250, Deduct	*-50.54*	
		For >250 To 500, Deduct	*-89.11*	
		For >500, Deduct	*-127.68*	

26 55 53 11-0246 Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) *(26 55 53 11-0241)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0247	EA	21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200)	1,812.05	233.54
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-56.98*	
		For >100 To 250, Deduct	*-102.28*	
		For >250 To 500, Deduct	*-181.21*	
		For >500, Deduct	*-260.13*	
26 55 53 11-0248	EA	42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400)	2,872.71	233.54
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-83.49*	
		For >100 To 250, Deduct	*-155.31*	
		For >250 To 500, Deduct	*-287.27*	
		For >500, Deduct	*-419.23*	
26 55 53 11-0249	EA	84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800)	5,155.88	233.54
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For >50 To 100, Deduct	*-140.57*	
		For >100 To 250, Deduct	*-269.47*	
		For >250 To 500, Deduct	*-515.59*	
		For >500, Deduct	*-761.71*	

26 55 53 11-0250 Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) *(26 55 53 11-0241)*

26 55 53 11-0251	EA	26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200)	1,631.07	151.80
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*142.15*	
		For >50 To 100, Deduct	*-48.37*	
		For >100 To 250, Deduct	*-89.14*	
		For >250 To 500, Deduct	*-163.11*	
		For >500, Deduct	*-237.07*	
26 55 53 11-0252	EA	39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300)	2,106.38	157.64
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*114.92*	
		For >50 To 100, Deduct	*-60.54*	
		For >100 To 250, Deduct	*-113.20*	
		For >250 To 500, Deduct	*-210.64*	
		For >500, Deduct	*-308.08*	
26 55 53 11-0253	EA	52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400)	2,706.35	163.48
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*93.24*	
		For >50 To 100, Deduct	*-75.83*	
		For >100 To 250, Deduct	*-143.49*	
		For >250 To 500, Deduct	*-270.64*	
		For >500, Deduct	*-397.78*	

26 55 53 12 Security Hazardous Location Flood Lights *(26 55 53)*

Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.

26 55 53 12-0001 Lithonia Hazardous Location Flood Lights *(26 55 53 12)*

26 55 53 12-0002 HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0003 High Pressure Sodium HFR Series Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0004	EA	150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,021.27	117.54
26 55 53 12-0005	EA	250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,095.06	117.54
26 55 53 12-0006	EA	400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,023.65	117.54

26 55 53 12-0007 Metal Halide HFR Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0002)*

26 55 53 12-0008	EA	250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,087.18	117.54
26 55 53 12-0009	EA	400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,052.22	117.54

26 55 53 12-0010 HFM (Medium Base) Series Hazardous Location Flood Lights *(26 55 53 12-0001)*

Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.

26 55 53 12-0011 High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0012	EA	100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	970.55	117.54
26 55 53 12-0013	EA	150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,014.59	117.54

26 55 53 12-0014 Metal Halide HFM Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0010)*

26 55 53 12-0015	EA	175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	851.54	117.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 12-0016		HFA (Large) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017		High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0018	EA	250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,381.59	146.92
26 55 53 12-0019	EA	400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,403.01	146.92
26 55 53 12-0020		Metal Halide HFA Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0016)*		
26 55 53 12-0021	EA	250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,374.45	146.92
26 55 53 12-0022	EA	400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,403.01	146.92
26 55 53 12-0023		HFL (Medium) Series Hazardous Location Flood Lights *(26 55 53 12-0001)* Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024		High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0025	EA	400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,014.21	132.23
26 55 53 12-0026		Metal Halide HFL Series Lithonia Hazardous Location Flood Lights *(26 55 53 12-0023)*		
26 55 53 12-0027	EA	400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light	1,097.52	132.23
26 55 53 12-0028		Accessories For Lithonia Hazardous Location Flood Lights *(26 55 53 12-0001)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 53 13		**Security High Performance Flood Lights** ***(26 55 53)*** Note: For airport aprons and parking areas.		
26 55 53 13-0001		Lithonia High Performance Flood Lights *(26 55 53 13)*		
26 55 53 13-0002		170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0001)* Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003		High Pressure Sodium 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0004	EA	250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,421.00	176.30
26 55 53 13-0005	EA	400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,616.18	176.30
26 55 53 13-0006	EA	750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,625.70	176.30
26 55 53 13-0007	EA	1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light	2,923.23	176.30
26 55 53 13-0008		Metal Halide 170S Series Lithonia High Performance Flood Lights *(26 55 53 13-0002)*		
26 55 53 13-0009	EA	320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,799.46	176.30
26 55 53 13-0010	EA	350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,667.47	176.30
26 55 53 13-0011	EA	400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,542.39	176.30
26 55 53 13-0012	EA	1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light	2,666.16	176.30
26 55 53 13-0013		Accessories For Lithonia High Performance Flood Lights *(26 55 53 13-0002)* See CSI section 26 55 53 11-0099 for accessories.		
26 55 61		**Theatrical Lighting** ***(26 55)***		
26 55 61 00-0001		Stage Lighting *(26 55 61)*		
26 55 61 00-0002	EA	Ellipsoidal Spotlight, Two 6" x 9" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	621.64	123.98
26 55 61 00-0003	EA	Ellipsoidal Spotlight, Two 6" x 12" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	621.64	123.98
26 55 61 00-0004	EA	Ellipsoidal Spotlight, Two 6" x 16" Lenses Note: Stainless steel shutter blades, complete with color frame, c-clamp, safety cable, 20 amperes, 3 watts ground, male pin connector and high performance lamp.	621.64	123.98
26 55 61 00-0005	EA	14" Scoop Floodlight (Altman #SC14)	643.06	123.98
26 55 61 00-0006	EA	6" Diameter Fresnel Spotlight, Spherical Specular Alzak1 Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, c-clamp, safety cable, color frame, male pin connector and lamp.	498.17	123.98
26 55 61 00-0007	EA	8" Diameter Fresnel Spotlight, Spherical Specular Alzak Note: Reflector, heat resistant fresnel lens, slidefocus flood to spot, complete with yoke, C-clamp, safety cable, color frame, male pin connector and lamp.	843.85	123.98
26 55 61 00-0008	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,283.72	123.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 61 00-0009	EA	Follow Spotlight With Steel Chassis And Lightweight Note: Aluminum housing, includes lamp adjustment plate, ballast, electronic power supply, stepdown transformer, silent lamp fan, dowser, iris and clipper, rear lens control, coated lenses, six color boomerang, color fan, 34" x 34" castered stand.	2,760.47	123.98
26 55 61 00-0010	EA	300 To 1000 Watt, PAR 64 Can Lighting With 20 Gauge Sheet Steel Note: Formed lamp housing, hinged and latched rear housing secured by retention ring, safety cable, safety screen, PAR 64 lamp, male pin connector.	450.19	123.98
26 55 61 00-0011	EA	6' Length, Multi-Lamp Compartmented Striplighting Luminaire Note: With continuous sheet steel housing, supported by 1-1/2" x 3/16" steel yoke with C-clamp, includes 30 lights per section wired on 3 circuits, alzak aluminum reflector with matte finish.	1,729.13	123.98
26 55 61 00-0012	EA	1,000 Watt, 25 To 125' Throw, Follow Spotlight (Times Square Lighting QF1000S)	2,978.50	123.98

26 55 68 Athletic Field Lighting *(26 55)*

26 55 68 00-0001 Sports Lighting System *(26 55 68)*
Note: Musco.

26 55 68 00-0002 Round Steel Tapered Poles *(26 55 68 00-0001)*
Note: With Internal wiring harness.

26 55 68 00-0003	EA	20' Steel Tapered Pole With Precast Concrete Foundation Sleeve	3,984.83	564.17
26 55 68 00-0004	EA	25' Steel Tapered Pole With Precast Concrete Foundation Sleeve	4,793.42	681.70
26 55 68 00-0005	EA	30' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,417.87	740.47
26 55 68 00-0006	EA	35' Steel Tapered Pole With Precast Concrete Foundation Sleeve	5,946.55	769.86
26 55 68 00-0007	EA	40' Steel Tapered Pole With Precast Concrete Foundation Sleeve	7,551.97	799.24
26 55 68 00-0008	EA	45' Steel Tapered Pole With Precast Concrete Foundation Sleeve	8,634.81	975.54
26 55 68 00-0009	EA	50' Steel Tapered Pole With Precast Concrete Foundation Sleeve	9,287.05	1,034.31
26 55 68 00-0010	EA	55' Steel Tapered Pole With Precast Concrete Foundation Sleeve	10,549.42	1,175.35
26 55 68 00-0011	EA	60' Steel Tapered Pole With Precast Concrete Foundation Sleeve	11,983.95	1,322.28
26 55 68 00-0012	EA	65' Steel Tapered Pole With Precast Concrete Foundation Sleeve	13,275.39	1,468.95
26 55 68 00-0013	EA	70' Steel Tapered Pole With Precast Concrete Foundation Sleeve	14,458.72	1,641.76
26 55 68 00-0014	EA	75' Steel Tapered Pole With Precast Concrete Foundation Sleeve	15,735.29	1,843.39
26 55 68 00-0015	EA	80' Steel Tapered Pole With Precast Concrete Foundation Sleeve	17,571.37	2,217.82

26 55 68 00-0016 Steel Pole Brackets *(26 55 68 00-0001)*

26 55 68 00-0017	EA	Two Light Bracket	629.47	58.77
26 55 68 00-0018	EA	Three Light Bracket	790.25	82.27
26 55 68 00-0019	EA	Four Light Bracket	1,145.48	99.90
26 55 68 00-0020	EA	Five Light Bracket	1,302.50	117.54
26 55 68 00-0021	EA	Six Light Bracket	1,582.14	135.17
26 55 68 00-0022	EA	Seven Light Bracket	1,811.75	152.80
26 55 68 00-0023	EA	Eight Light Bracket	2,072.73	176.30
26 55 68 00-0024	EA	Nine Light Bracket	2,343.22	193.94

26 55 68 00-0025 Light Fixtures *(26 55 68 00-0001)*

26 55 68 00-0026	EA	120 or 270 Volt, Sportlite Fixtures Complete with 1,000 Watt Metal Halide Lamp, Hook Cord And Plug	1,334.34	
		For 1,500 Watt Metal Halide Lamp, Add	*15.61*	

26 55 68 00-0027 Electrical Component Enclosure *(26 55 68 00-0001)*
Note: Pole mounted NEMA 3R enclosure with thermal magnetic breaker and multiple ballasts to match total light fixtures. For light structures with more than 6 lights, use multiple enclosures.

26 55 68 00-0028	EA	Electrical Component Enclosure For 2 Lights, Pole Mounted	1,015.34	66.33
26 55 68 00-0029	EA	Electrical Component Enclosure For 3 Lights, Pole Mounted	1,522.24	102.05
26 55 68 00-0030	EA	Electrical Component Enclosure For 4 Lights, Pole Mounted	1,747.81	127.55
26 55 68 00-0031	EA	Electrical Component Enclosure For 5 Lights, Pole Mounted	2,262.94	142.87
26 55 68 00-0032	EA	Electrical Component Enclosure For 6 Lights, Pole Mounted	2,547.37	153.07

26 55 68 00-0033 Accessories *(26 55 68 00-0001)*

26 55 68 00-0034	EA	Time Delay Kit (Musco®)	959.90	204.49
26 55 68 00-0035	EA	Remote Switch Box Push Button (Musco®)	2,061.76	204.49
26 55 68 00-0036	EA	Push Button Strobe Kit (Musco®)	2,502.50	204.49
26 55 68 00-0037	EA	Additional Control-Link Unit (Musco®)	12,245.51	613.47
26 55 68 00-0038	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For New Installations (Musco®)	1,305.96	102.05
26 55 68 00-0039	EA	Auxiliary Brackets For Speakers Or Egress Fixtures, For Retrofit Applications (Musco®)	1,510.04	204.10

26 56 Exterior Lighting *(26 50)*

26 56 13 Lighting Poles and Standards *(26 56)*

26 56 13 00-0001 Poles And Standards *(26 56 13)*
See CSI section 26 05 46 00-0001 for additional pole.

26 56 13 00-0002 Roadway Light Poles *(26 56 13 00-0001)*
Note: Excludes lighting fixtures.

26 56 13 00-0003 Steel Roadway Light Poles *(26 56 13 00-0002)*
Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 56 13 00-0004		Round Tapered, Steel Roadway Light Poles *(26 56 13 00-0003)*		
	26 56 13 00-0005		Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0004)*		
	26 56 13 00-0006		Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0005)*		
	26 56 13 00-0007	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,598.68	352.61
			For Galvanized Finish, Add	*56.80*	
			For >10 To 20, Deduct	*-64.97*	
			For >20 To 40, Deduct	*-129.93*	
			For >40, Deduct	*-212.53*	
	26 56 13 00-0008	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,603.36	352.61
			For Galvanized Finish, Add	*56.94*	
			For >10 To 20, Deduct	*-65.08*	
			For >20 To 40, Deduct	*-130.17*	
			For >40, Deduct	*-212.88*	
	26 56 13 00-0009	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,866.15	470.14
			For Galvanized Finish, Add	*57.78*	
			For >10 To 20, Deduct	*-71.65*	
			For >20 To 40, Deduct	*-143.31*	
			For >40, Deduct	*-238.47*	
	26 56 13 00-0010	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,922.42	470.14
			For Galvanized Finish, Add	*59.46*	
			For >10 To 20, Deduct	*-73.06*	
			For >20 To 40, Deduct	*-146.12*	
			For >40, Deduct	*-242.69*	
	26 56 13 00-0011	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	2,978.70	470.14
			For Galvanized Finish, Add	*61.15*	
			For >10 To 20, Deduct	*-74.47*	
			For >20 To 40, Deduct	*-148.94*	
			For >40, Deduct	*-246.91*	
	26 56 13 00-0012	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,108.09	528.91
			For Galvanized Finish, Add	*61.51*	
			For >10 To 20, Deduct	*-77.70*	
			For >20 To 40, Deduct	*-155.40*	
			For >40, Deduct	*-259.55*	
	26 56 13 00-0013	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,134.77	528.91
			For Galvanized Finish, Add	*62.31*	
			For >10 To 20, Deduct	*-78.37*	
			For >20 To 40, Deduct	*-156.74*	
			For >40, Deduct	*-261.55*	
	26 56 13 00-0014	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,139.85	528.91
			For Galvanized Finish, Add	*62.46*	
			For >10 To 20, Deduct	*-78.50*	
			For >20 To 40, Deduct	*-156.99*	
			For >40, Deduct	*-261.93*	
	26 56 13 00-0015	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,293.34	558.29
			For Galvanized Finish, Add	*65.30*	
			For >10 To 20, Deduct	*-82.33*	
			For >20 To 40, Deduct	*-164.67*	
			For >40, Deduct	*-274.92*	
	26 56 13 00-0016	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,313.50	558.29
			For Galvanized Finish, Add	*65.91*	
			For >10 To 20, Deduct	*-82.84*	
			For >20 To 40, Deduct	*-165.68*	
			For >40, Deduct	*-276.43*	
	26 56 13 00-0017	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,335.51	558.29
			For Galvanized Finish, Add	*66.57*	
			For >10 To 20, Deduct	*-83.39*	
			For >20 To 40, Deduct	*-166.78*	
			For >40, Deduct	*-278.08*	
	26 56 13 00-0018	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,788.51	587.68
			For Galvanized Finish, Add	*78.39*	
			For >10 To 20, Deduct	*-94.71*	
			For >20 To 40, Deduct	*-189.43*	
			For >40, Deduct	*-313.52*	
	26 56 13 00-0019	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,795.69	587.68
			For Galvanized Finish, Add	*78.61*	
			For >10 To 20, Deduct	*-94.89*	
			For >20 To 40, Deduct	*-189.78*	
			For >40, Deduct	*-314.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0020	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,802.78	587.68
		For Galvanized Finish, Add	*78.82*	
		For >10 To 20, Deduct	*-95.07*	
		For >20 To 40, Deduct	*-190.14*	
		For >40, Deduct	*-314.59*	
26 56 13 00-0021		Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0005)*		
26 56 13 00-0022	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,226.94	411.38
		For Galvanized Finish, Add	*72.13*	
		For >10 To 20, Deduct	*-80.67*	
		For >20 To 40, Deduct	*-161.35*	
		For >40, Deduct	*-262.59*	
26 56 13 00-0023	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,286.39	426.07
		For Galvanized Finish, Add	*73.03*	
		For >10 To 20, Deduct	*-82.16*	
		For >20 To 40, Deduct	*-164.32*	
		For >40, Deduct	*-267.78*	
26 56 13 00-0024	EA	20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,338.43	440.76
		For Galvanized Finish, Add	*73.71*	
		For >10 To 20, Deduct	*-83.46*	
		For >20 To 40, Deduct	*-166.92*	
		For >40, Deduct	*-272.42*	
26 56 13 00-0025	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,267.07	528.91
		For Galvanized Finish, Add	*66.28*	
		For >10 To 20, Deduct	*-81.68*	
		For >20 To 40, Deduct	*-163.35*	
		For >40, Deduct	*-271.48*	
26 56 13 00-0026	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,308.38	543.60
		For Galvanized Finish, Add	*66.64*	
		For >10 To 20, Deduct	*-82.71*	
		For >20 To 40, Deduct	*-165.42*	
		For >40, Deduct	*-275.31*	
26 56 13 00-0027	EA	25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,342.60	558.29
		For Galvanized Finish, Add	*66.78*	
		For >10 To 20, Deduct	*-83.57*	
		For >20 To 40, Deduct	*-167.13*	
		For >40, Deduct	*-278.61*	
26 56 13 00-0028	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,531.98	587.68
		For Galvanized Finish, Add	*70.70*	
		For >10 To 20, Deduct	*-88.30*	
		For >20 To 40, Deduct	*-176.60*	
		For >40, Deduct	*-294.28*	
26 56 13 00-0029	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,568.62	602.37
		For Galvanized Finish, Add	*70.92*	
		For >10 To 20, Deduct	*-89.22*	
		For >20 To 40, Deduct	*-178.43*	
		For >40, Deduct	*-297.77*	
26 56 13 00-0030	EA	30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,602.60	617.06
		For Galvanized Finish, Add	*71.05*	
		For >10 To 20, Deduct	*-90.07*	
		For >20 To 40, Deduct	*-180.13*	
		For >40, Deduct	*-301.05*	
26 56 13 00-0031	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,745.14	617.06
		For Galvanized Finish, Add	*75.33*	
		For >10 To 20, Deduct	*-93.63*	
		For >20 To 40, Deduct	*-187.26*	
		For >40, Deduct	*-311.74*	
26 56 13 00-0032	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,805.73	631.75
		For Galvanized Finish, Add	*76.27*	
		For >10 To 20, Deduct	*-95.14*	
		For >20 To 40, Deduct	*-190.29*	
		For >40, Deduct	*-317.02*	
26 56 13 00-0033	EA	35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,864.69	646.45
		For Galvanized Finish, Add	*77.15*	
		For >10 To 20, Deduct	*-96.62*	
		For >20 To 40, Deduct	*-193.23*	
		For >40, Deduct	*-322.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0034	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,212.57	646.45
		For Galvanized Finish, Add	*87.59*	
		For >10 To 20, Deduct	*-105.31*	
		For >20 To 40, Deduct	*-210.63*	
		For >40, Deduct	*-348.27*	
26 56 13 00-0035	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,246.64	661.14
		For Galvanized Finish, Add	*87.73*	
		For >10 To 20, Deduct	*-106.17*	
		For >20 To 40, Deduct	*-212.33*	
		For >40, Deduct	*-351.56*	
26 56 13 00-0036	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,280.86	675.83
		For Galvanized Finish, Add	*87.88*	
		For >10 To 20, Deduct	*-107.02*	
		For >20 To 40, Deduct	*-214.04*	
		For >40, Deduct	*-354.86*	

26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0005)*

26 56 13 00-0038	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,826.57	587.68
		For Galvanized Finish, Add	*79.54*	
		For >10 To 20, Deduct	*-95.66*	
		For >20 To 40, Deduct	*-191.33*	
		For >40, Deduct	*-316.38*	
26 56 13 00-0039	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,890.09	617.06
		For Galvanized Finish, Add	*79.68*	
		For >10 To 20, Deduct	*-97.25*	
		For >20 To 40, Deduct	*-194.50*	
		For >40, Deduct	*-322.61*	
26 56 13 00-0040	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	3,960.71	646.45
		For Galvanized Finish, Add	*80.03*	
		For >10 To 20, Deduct	*-99.02*	
		For >20 To 40, Deduct	*-198.04*	
		For >40, Deduct	*-329.38*	
26 56 13 00-0041	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,062.94	646.45
		For Galvanized Finish, Add	*83.10*	
		For >10 To 20, Deduct	*-101.57*	
		For >20 To 40, Deduct	*-203.15*	
		For >40, Deduct	*-337.04*	
26 56 13 00-0042	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,128.72	675.83
		For Galvanized Finish, Add	*83.31*	
		For >10 To 20, Deduct	*-103.22*	
		For >20 To 40, Deduct	*-206.44*	
		For >40, Deduct	*-343.45*	
26 56 13 00-0043	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,192.24	705.22
		For Galvanized Finish, Add	*83.45*	
		For >10 To 20, Deduct	*-104.81*	
		For >20 To 40, Deduct	*-209.61*	
		For >40, Deduct	*-349.68*	
26 56 13 00-0044	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,316.33	675.83
		For Galvanized Finish, Add	*88.94*	
		For >10 To 20, Deduct	*-107.91*	
		For >20 To 40, Deduct	*-215.82*	
		For >40, Deduct	*-357.52*	
26 56 13 00-0045	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,379.85	705.22
		For Galvanized Finish, Add	*89.08*	
		For >10 To 20, Deduct	*-109.50*	
		For >20 To 40, Deduct	*-218.99*	
		For >40, Deduct	*-363.75*	
26 56 13 00-0046	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,443.37	734.60
		For Galvanized Finish, Add	*89.23*	
		For >10 To 20, Deduct	*-111.08*	
		For >20 To 40, Deduct	*-222.17*	
		For >40, Deduct	*-369.98*	
26 56 13 00-0047	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,636.62	705.22
		For Galvanized Finish, Add	*96.79*	
		For >10 To 20, Deduct	*-115.92*	
		For >20 To 40, Deduct	*-231.83*	
		For >40, Deduct	*-383.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0048	EA	40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,699.91	734.60
		For Galvanized Finish, Add	*96.92*	
		For >10 To 20, Deduct	*-117.50*	
		For >20 To 40, Deduct	*-235.00*	
		For >40, Deduct	*-389.22*	
26 56 13 00-0049	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	4,768.19	763.99
		For Galvanized Finish, Add	*97.21*	
		For >10 To 20, Deduct	*-119.20*	
		For >20 To 40, Deduct	*-238.41*	
		For >40, Deduct	*-395.81*	
26 56 13 00-0050		Round Tapered, Steel Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0005)*		
26 56 13 00-0051	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,252.96	646.45
		For Galvanized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-106.32*	
		For >20 To 40, Deduct	*-212.65*	
		For >40, Deduct	*-351.29*	
26 56 13 00-0052	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,348.22	690.52
		For Galvanized Finish, Add	*89.02*	
		For >10 To 20, Deduct	*-108.71*	
		For >20 To 40, Deduct	*-217.41*	
		For >40, Deduct	*-360.64*	
26 56 13 00-0053	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,441.03	734.60
		For Galvanized Finish, Add	*89.16*	
		For >10 To 20, Deduct	*-111.03*	
		For >20 To 40, Deduct	*-222.05*	
		For >40, Deduct	*-369.81*	
26 56 13 00-0054	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,518.43	705.22
		For Galvanized Finish, Add	*93.24*	
		For >10 To 20, Deduct	*-112.96*	
		For >20 To 40, Deduct	*-225.92*	
		For >40, Deduct	*-374.14*	
26 56 13 00-0055	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,611.59	749.29
		For Galvanized Finish, Add	*93.39*	
		For >10 To 20, Deduct	*-115.29*	
		For >20 To 40, Deduct	*-230.58*	
		For >40, Deduct	*-383.33*	
26 56 13 00-0056	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	4,677.33	793.36
		For Galvanized Finish, Add	*92.72*	
		For >10 To 20, Deduct	*-116.93*	
		For >20 To 40, Deduct	*-233.87*	
		For >40, Deduct	*-390.47*	
26 56 13 00-0057	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,847.20	734.60
		For Galvanized Finish, Add	*101.34*	
		For >10 To 20, Deduct	*-121.18*	
		For >20 To 40, Deduct	*-242.36*	
		For >40, Deduct	*-400.27*	
26 56 13 00-0058	EA	35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,972.45	778.67
		For Galvanized Finish, Add	*102.45*	
		For >10 To 20, Deduct	*-124.31*	
		For >20 To 40, Deduct	*-248.62*	
		For >40, Deduct	*-411.87*	
26 56 13 00-0059	EA	35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,035.52	822.75
		For Galvanized Finish, Add	*101.70*	
		For >10 To 20, Deduct	*-125.89*	
		For >20 To 40, Deduct	*-251.78*	
		For >40, Deduct	*-418.80*	
26 56 13 00-0060	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,060.44	763.99
		For Galvanized Finish, Add	*105.97*	
		For >10 To 20, Deduct	*-126.51*	
		For >20 To 40, Deduct	*-253.02*	
		For >40, Deduct	*-417.73*	
26 56 13 00-0061	EA	40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,153.28	808.05
		For Galvanized Finish, Add	*106.11*	
		For >10 To 20, Deduct	*-128.83*	
		For >20 To 40, Deduct	*-257.66*	
		For >40, Deduct	*-426.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0062	EA	40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	5,248.52	852.13
		For Galvanized Finish, Add	*106.33*	
		For >10 To 20, Deduct	*-131.21*	
		For >20 To 40, Deduct	*-262.43*	
		For >40, Deduct	*-436.25*	

26 56 13 00-0063 Round Tapered, Steel Roadway Light Poles With Davit Style Arm *(26 56 13 00-0004)*

26 56 13 00-0064 Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0063)*

26 56 13 00-0065	EA	25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,040.29	470.14
		For Galvanized Finish, Add	*63.00*	
		For >10 To 20, Deduct	*-76.01*	
		For >20 To 40, Deduct	*-152.01*	
		For >40, Deduct	*-251.53*	
26 56 13 00-0066	EA	30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,439.28	528.91
		For Galvanized Finish, Add	*71.44*	
		For >10 To 20, Deduct	*-85.98*	
		For >20 To 40, Deduct	*-171.96*	
		For >40, Deduct	*-284.39*	
26 56 13 00-0067	EA	35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	3,537.22	558.29
		For Galvanized Finish, Add	*72.62*	
		For >10 To 20, Deduct	*-88.43*	
		For >20 To 40, Deduct	*-176.86*	
		For >40, Deduct	*-293.21*	
26 56 13 00-0068	EA	40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base	4,197.10	587.68
		For Galvanized Finish, Add	*90.65*	
		For >10 To 20, Deduct	*-104.93*	
		For >20 To 40, Deduct	*-209.86*	
		For >40, Deduct	*-344.17*	

26 56 13 00-0069 Round Tapered, Steel Roadway Light Poles With Truss Style Arms *(26 56 13 00-0004)*

26 56 13 00-0070 Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0069)*

26 56 13 00-0071	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,880.92	470.14
		For Galvanized Finish, Add	*88.22*	
		For >10 To 20, Deduct	*-97.02*	
		For >20 To 40, Deduct	*-194.05*	
		For >40, Deduct	*-314.58*	
26 56 13 00-0072	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,916.96	470.14
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-97.92*	
		For >20 To 40, Deduct	*-195.85*	
		For >40, Deduct	*-317.28*	
26 56 13 00-0073	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,933.41	470.14
		For Galvanized Finish, Add	*89.79*	
		For >10 To 20, Deduct	*-98.34*	
		For >20 To 40, Deduct	*-196.67*	
		For >40, Deduct	*-318.51*	
26 56 13 00-0074	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,034.50	528.91
		For Galvanized Finish, Add	*89.30*	
		For >10 To 20, Deduct	*-100.86*	
		For >20 To 40, Deduct	*-201.73*	
		For >40, Deduct	*-329.03*	
26 56 13 00-0075	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,040.79	528.91
		For Galvanized Finish, Add	*89.49*	
		For >10 To 20, Deduct	*-101.02*	
		For >20 To 40, Deduct	*-202.04*	
		For >40, Deduct	*-329.50*	
26 56 13 00-0076	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,105.77	528.91
		For Galvanized Finish, Add	*91.44*	
		For >10 To 20, Deduct	*-102.64*	
		For >20 To 40, Deduct	*-205.29*	
		For >40, Deduct	*-334.38*	
26 56 13 00-0077	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,114.63	558.29
		For Galvanized Finish, Add	*89.94*	
		For >10 To 20, Deduct	*-102.87*	
		For >20 To 40, Deduct	*-205.73*	
		For >40, Deduct	*-336.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0078	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,152.68	558.29
		For Galvanized Finish, Add	*91.08*	
		For >10 To 20, Deduct	*-103.82*	
		For >20 To 40, Deduct	*-207.63*	
		For >40, Deduct	*-339.37*	
26 56 13 00-0079	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,352.22	558.29
		For Galvanized Finish, Add	*97.07*	
		For >10 To 20, Deduct	*-108.81*	
		For >20 To 40, Deduct	*-217.61*	
		For >40, Deduct	*-354.33*	
26 56 13 00-0080		Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0069)*		
26 56 13 00-0081	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,074.74	587.68
		For Galvanized Finish, Add	*116.98*	
		For >10 To 20, Deduct	*-126.87*	
		For >20 To 40, Deduct	*-253.74*	
		For >40, Deduct	*-409.99*	
26 56 13 00-0082	EA	25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,168.01	617.06
		For Galvanized Finish, Add	*118.02*	
		For >10 To 20, Deduct	*-129.20*	
		For >20 To 40, Deduct	*-258.40*	
		For >40, Deduct	*-418.45*	
26 56 13 00-0083	EA	25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,362.22	646.45
		For Galvanized Finish, Add	*122.08*	
		For >10 To 20, Deduct	*-134.06*	
		For >20 To 40, Deduct	*-268.11*	
		For >40, Deduct	*-434.49*	
26 56 13 00-0084	EA	30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,172.28	646.45
		For Galvanized Finish, Add	*116.38*	
		For >10 To 20, Deduct	*-129.31*	
		For >20 To 40, Deduct	*-258.61*	
		For >40, Deduct	*-420.24*	
26 56 13 00-0085	EA	30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,409.30	675.83
		For Galvanized Finish, Add	*121.73*	
		For >10 To 20, Deduct	*-135.23*	
		For >20 To 40, Deduct	*-270.47*	
		For >40, Deduct	*-439.49*	
26 56 13 00-0086	EA	30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,555.78	705.22
		For Galvanized Finish, Add	*124.36*	
		For >10 To 20, Deduct	*-138.89*	
		For >20 To 40, Deduct	*-277.79*	
		For >40, Deduct	*-451.94*	
26 56 13 00-0087	EA	35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,330.62	675.83
		For Galvanized Finish, Add	*119.37*	
		For >10 To 20, Deduct	*-133.27*	
		For >20 To 40, Deduct	*-266.53*	
		For >40, Deduct	*-433.59*	
26 56 13 00-0088	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,643.66	705.22
		For Galvanized Finish, Add	*127.00*	
		For >10 To 20, Deduct	*-141.09*	
		For >20 To 40, Deduct	*-282.18*	
		For >40, Deduct	*-458.54*	
26 56 13 00-0089	EA	35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	5,833.03	734.60
		For Galvanized Finish, Add	*130.92*	
		For >10 To 20, Deduct	*-145.83*	
		For >20 To 40, Deduct	*-291.65*	
		For >40, Deduct	*-474.21*	
26 56 13 00-0090		Aluminum Roadway Light Poles *(26 56 13 00-0002)* Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0091		Round Tapered, Aluminum Roadway Light Poles *(26 56 13 00-0090)*		
26 56 13 00-0092		Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms *(26 56 13 00-0091)*		
26 56 13 00-0093		Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm *(26 56 13 00-0092)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0094	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,425.61	352.61
		For >10 To 20, Deduct	*-60.64*	
		For >20 To 40, Deduct	*-121.28*	
		For >40, Deduct	*-199.55*	
26 56 13 00-0095	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	2,446.43	352.61
		For >10 To 20, Deduct	*-61.16*	
		For >20 To 40, Deduct	*-122.32*	
		For >40, Deduct	*-201.11*	
26 56 13 00-0096	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	2,975.02	470.14
		For >10 To 20, Deduct	*-74.38*	
		For >20 To 40, Deduct	*-148.75*	
		For >40, Deduct	*-246.63*	
26 56 13 00-0097	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,014.37	470.14
		For >10 To 20, Deduct	*-75.36*	
		For >20 To 40, Deduct	*-150.72*	
		For >40, Deduct	*-249.58*	
26 56 13 00-0098	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,050.56	470.14
		For >10 To 20, Deduct	*-76.26*	
		For >20 To 40, Deduct	*-152.53*	
		For >40, Deduct	*-252.30*	
26 56 13 00-0099	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,414.52	528.91
		For >10 To 20, Deduct	*-85.36*	
		For >20 To 40, Deduct	*-170.73*	
		For >40, Deduct	*-282.53*	
26 56 13 00-0100	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	3,447.72	528.91
		For >10 To 20, Deduct	*-86.19*	
		For >20 To 40, Deduct	*-172.39*	
		For >40, Deduct	*-285.02*	
26 56 13 00-0101	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	3,484.85	528.91
		For >10 To 20, Deduct	*-87.12*	
		For >20 To 40, Deduct	*-174.24*	
		For >40, Deduct	*-287.81*	
26 56 13 00-0102	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base	3,998.54	558.29
		For >10 To 20, Deduct	*-99.96*	
		For >20 To 40, Deduct	*-199.93*	
		For >40, Deduct	*-327.81*	
26 56 13 00-0103	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base	4,031.66	558.29
		For >10 To 20, Deduct	*-100.79*	
		For >20 To 40, Deduct	*-201.58*	
		For >40, Deduct	*-330.29*	
26 56 13 00-0104	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base	4,059.40	558.29
		For >10 To 20, Deduct	*-101.49*	
		For >20 To 40, Deduct	*-202.97*	
		For >40, Deduct	*-332.37*	

26 56 13 00-0105 Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0106	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	2,779.57	411.38
		For >10 To 20, Deduct	*-69.49*	
		For >20 To 40, Deduct	*-138.98*	
		For >40, Deduct	*-229.04*	
26 56 13 00-0107	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	2,983.65	411.38
		For >10 To 20, Deduct	*-74.59*	
		For >20 To 40, Deduct	*-149.18*	
		For >40, Deduct	*-244.34*	
26 56 13 00-0108	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,082.18	440.76
		For >10 To 20, Deduct	*-77.05*	
		For >20 To 40, Deduct	*-154.11*	
		For >40, Deduct	*-253.20*	
26 56 13 00-0109	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,317.81	528.91
		For >10 To 20, Deduct	*-82.95*	
		For >20 To 40, Deduct	*-165.89*	
		For >40, Deduct	*-275.28*	
26 56 13 00-0110	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,477.10	543.60
		For >10 To 20, Deduct	*-86.93*	
		For >20 To 40, Deduct	*-173.86*	
		For >40, Deduct	*-287.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0111	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	3,706.64	558.29
		For >10 To 20, Deduct	*-92.67*	
		For >20 To 40, Deduct	*-185.33*	
		For >40, Deduct	*-305.91*	
26 56 13 00-0112	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	3,828.82	587.68
		For >10 To 20, Deduct	*-95.72*	
		For >20 To 40, Deduct	*-191.44*	
		For >40, Deduct	*-316.55*	
26 56 13 00-0113	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	3,978.73	602.37
		For >10 To 20, Deduct	*-99.47*	
		For >20 To 40, Deduct	*-198.94*	
		For >40, Deduct	*-328.52*	
26 56 13 00-0114	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,161.58	617.06
		For >10 To 20, Deduct	*-104.04*	
		For >20 To 40, Deduct	*-208.08*	
		For >40, Deduct	*-342.97*	
26 56 13 00-0115	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,342.10	617.06
		For >10 To 20, Deduct	*-108.55*	
		For >20 To 40, Deduct	*-217.11*	
		For >40, Deduct	*-356.51*	
26 56 13 00-0116	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,747.22	631.75
		For >10 To 20, Deduct	*-118.68*	
		For >20 To 40, Deduct	*-237.36*	
		For >40, Deduct	*-387.63*	
26 56 13 00-0117	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,218.30	646.45
		For >10 To 20, Deduct	*-130.46*	
		For >20 To 40, Deduct	*-260.92*	
		For >40, Deduct	*-423.69*	

26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms *(26 56 13 00-0092)*

26 56 13 00-0119	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,225.62	470.14
		For >10 To 20, Deduct	*-80.64*	
		For >20 To 40, Deduct	*-161.28*	
		For >40, Deduct	*-265.43*	
26 56 13 00-0120	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	3,449.47	499.52
		For >10 To 20, Deduct	*-86.24*	
		For >20 To 40, Deduct	*-172.47*	
		For >40, Deduct	*-283.69*	
26 56 13 00-0121	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	3,922.80	587.68
		For >10 To 20, Deduct	*-98.07*	
		For >20 To 40, Deduct	*-196.14*	
		For >40, Deduct	*-323.59*	
26 56 13 00-0122	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,090.73	617.06
		For >10 To 20, Deduct	*-102.27*	
		For >20 To 40, Deduct	*-204.54*	
		For >40, Deduct	*-337.66*	
26 56 13 00-0123	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,284.11	646.45
		For >10 To 20, Deduct	*-107.10*	
		For >20 To 40, Deduct	*-214.21*	
		For >40, Deduct	*-353.63*	
26 56 13 00-0124	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,436.85	675.83
		For >10 To 20, Deduct	*-110.92*	
		For >20 To 40, Deduct	*-221.84*	
		For >40, Deduct	*-366.56*	
26 56 13 00-0125	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,632.31	675.83
		For >10 To 20, Deduct	*-115.81*	
		For >20 To 40, Deduct	*-231.62*	
		For >40, Deduct	*-381.21*	
26 56 13 00-0126	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,037.95	705.22
		For >10 To 20, Deduct	*-125.95*	
		For >20 To 40, Deduct	*-251.90*	
		For >40, Deduct	*-413.11*	
26 56 13 00-0127	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,463.63	734.60
		For >10 To 20, Deduct	*-286.59*	
		For >20 To 40, Deduct	*-573.18*	
		For >40, Deduct	*-896.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0128		Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms *(26 56 13 00-0092)*		
26 56 13 00-0129	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	3,342.65	528.91
		For >10 To 20, Deduct	*-83.57*	
		For >20 To 40, Deduct	*-167.13*	
		For >40, Deduct	*-277.14*	
26 56 13 00-0130	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	3,467.61	528.91
		For >10 To 20, Deduct	*-86.69*	
		For >20 To 40, Deduct	*-173.38*	
		For >40, Deduct	*-286.52*	
26 56 13 00-0131	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,291.87	646.45
		For >10 To 20, Deduct	*-107.30*	
		For >20 To 40, Deduct	*-214.59*	
		For >40, Deduct	*-354.21*	
26 56 13 00-0132	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	4,646.42	690.52
		For >10 To 20, Deduct	*-116.16*	
		For >20 To 40, Deduct	*-232.32*	
		For >40, Deduct	*-383.01*	
26 56 13 00-0133	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	4,845.99	705.22
		For >10 To 20, Deduct	*-121.15*	
		For >20 To 40, Deduct	*-242.30*	
		For >40, Deduct	*-398.71*	
26 56 13 00-0134	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,172.88	749.29
		For >10 To 20, Deduct	*-129.32*	
		For >20 To 40, Deduct	*-258.64*	
		For >40, Deduct	*-425.43*	
26 56 13 00-0135	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base	5,102.86	734.60
		For >10 To 20, Deduct	*-127.57*	
		For >20 To 40, Deduct	*-255.14*	
		For >40, Deduct	*-419.44*	
26 56 13 00-0136	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base	5,802.75	778.67
		For >10 To 20, Deduct	*-145.07*	
		For >20 To 40, Deduct	*-290.14*	
		For >40, Deduct	*-474.14*	
26 56 13 00-0137	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base	6,421.63	822.75
		For >10 To 20, Deduct	*-160.54*	
		For >20 To 40, Deduct	*-321.08*	
		For >40, Deduct	*-522.76*	
26 56 13 00-0138		Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms *(26 56 13 00-0091)*		
26 56 13 00-0139		Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm *(26 56 13 00-0138)*		
26 56 13 00-0140	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	3,553.21	470.14
		For >10 To 20, Deduct	*-88.83*	
		For >20 To 40, Deduct	*-177.66*	
		For >40, Deduct	*-290.00*	
26 56 13 00-0141	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	3,581.04	470.14
		For >10 To 20, Deduct	*-89.53*	
		For >20 To 40, Deduct	*-179.05*	
		For >40, Deduct	*-292.09*	
26 56 13 00-0142	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	3,652.13	470.14
		For >10 To 20, Deduct	*-91.30*	
		For >20 To 40, Deduct	*-182.61*	
		For >40, Deduct	*-297.42*	
26 56 13 00-0143	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	3,758.83	470.14
		For >10 To 20, Deduct	*-93.97*	
		For >20 To 40, Deduct	*-187.94*	
		For >40, Deduct	*-305.42*	
26 56 13 00-0144	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,000.64	528.91
		For >10 To 20, Deduct	*-100.02*	
		For >20 To 40, Deduct	*-200.03*	
		For >40, Deduct	*-326.49*	
26 56 13 00-0145	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,063.38	528.91
		For >10 To 20, Deduct	*-101.58*	
		For >20 To 40, Deduct	*-203.17*	
		For >40, Deduct	*-331.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0146	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,130.29	528.91
		For >10 To 20, Deduct	*-103.26*	
		For >20 To 40, Deduct	*-206.51*	
		For >40, Deduct	*-336.22*	
26 56 13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	4,533.93	528.91
		For >10 To 20, Deduct	*-113.35*	
		For >20 To 40, Deduct	*-226.70*	
		For >40, Deduct	*-366.49*	
26 56 13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base	4,346.45	558.29
		For >10 To 20, Deduct	*-108.66*	
		For >20 To 40, Deduct	*-217.32*	
		For >40, Deduct	*-353.90*	
26 56 13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base	4,864.37	558.29
		For >10 To 20, Deduct	*-121.61*	
		For >20 To 40, Deduct	*-243.22*	
		For >40, Deduct	*-392.74*	
26 56 13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base	4,914.82	558.29
		For >10 To 20, Deduct	*-122.87*	
		For >20 To 40, Deduct	*-245.74*	
		For >40, Deduct	*-396.53*	
26 56 13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,235.06	558.29
		For >10 To 20, Deduct	*-130.88*	
		For >20 To 40, Deduct	*-261.75*	
		For >40, Deduct	*-420.54*	
26 56 13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base	5,527.14	558.29
		For >10 To 20, Deduct	*-138.18*	
		For >20 To 40, Deduct	*-276.36*	
		For >40, Deduct	*-442.45*	

26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms *(26 56 13 00-0138)*

26 56 13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,610.92	587.68
		For >10 To 20, Deduct	*-115.27*	
		For >20 To 40, Deduct	*-230.55*	
		For >40, Deduct	*-375.20*	
26 56 13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	4,740.79	617.06
		For >10 To 20, Deduct	*-118.52*	
		For >20 To 40, Deduct	*-237.04*	
		For >40, Deduct	*-386.41*	
26 56 13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	4,845.31	646.45
		For >10 To 20, Deduct	*-121.13*	
		For >20 To 40, Deduct	*-242.27*	
		For >40, Deduct	*-395.72*	
26 56 13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	4,967.19	646.45
		For >10 To 20, Deduct	*-124.18*	
		For >20 To 40, Deduct	*-248.36*	
		For >40, Deduct	*-404.86*	
26 56 13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	5,396.57	675.83
		For >10 To 20, Deduct	*-134.91*	
		For >20 To 40, Deduct	*-269.83*	
		For >40, Deduct	*-438.53*	
26 56 13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	6,186.55	705.22
		For >10 To 20, Deduct	*-154.66*	
		For >20 To 40, Deduct	*-309.33*	
		For >40, Deduct	*-499.25*	
26 56 13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base	5,983.03	675.83
		For >10 To 20, Deduct	*-149.58*	
		For >20 To 40, Deduct	*-299.15*	
		For >40, Deduct	*-482.52*	
26 56 13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base	6,101.37	705.22
		For >10 To 20, Deduct	*-152.53*	
		For >20 To 40, Deduct	*-305.07*	
		For >40, Deduct	*-492.86*	
26 56 13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base	7,410.57	734.60
		For >10 To 20, Deduct	*-185.26*	
		For >20 To 40, Deduct	*-370.53*	
		For >40, Deduct	*-592.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0163		Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm *(26 56 13 00-0091)*		
26 56 13 00-0164		Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm *(26 56 13 00-0163)*		
26 56 13 00-0165	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	2,911.95	352.61
		For >10 To 20, Deduct	*-72.80*	
		For >20 To 40, Deduct	*-145.60*	
		For >40, Deduct	*-236.03*	
26 56 13 00-0166	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	2,990.56	352.61
		For >10 To 20, Deduct	*-74.76*	
		For >20 To 40, Deduct	*-149.53*	
		For >40, Deduct	*-241.92*	
26 56 13 00-0167	EA	20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,069.34	352.61
		For >10 To 20, Deduct	*-76.73*	
		For >20 To 40, Deduct	*-153.47*	
		For >40, Deduct	*-247.83*	
26 56 13 00-0168	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,468.45	470.14
		For >10 To 20, Deduct	*-86.71*	
		For >20 To 40, Deduct	*-173.42*	
		For >40, Deduct	*-283.64*	
26 56 13 00-0169	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,528.37	470.14
		For >10 To 20, Deduct	*-88.21*	
		For >20 To 40, Deduct	*-176.42*	
		For >40, Deduct	*-288.13*	
26 56 13 00-0170	EA	25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,593.84	470.14
		For >10 To 20, Deduct	*-89.85*	
		For >20 To 40, Deduct	*-179.69*	
		For >40, Deduct	*-293.05*	
26 56 13 00-0171	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,914.43	528.91
		For >10 To 20, Deduct	*-97.86*	
		For >20 To 40, Deduct	*-195.72*	
		For >40, Deduct	*-320.03*	
26 56 13 00-0172	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,995.78	528.91
		For >10 To 20, Deduct	*-99.89*	
		For >20 To 40, Deduct	*-199.79*	
		For >40, Deduct	*-326.13*	
26 56 13 00-0173	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,007.98	528.91
		For >10 To 20, Deduct	*-100.20*	
		For >20 To 40, Deduct	*-200.40*	
		For >40, Deduct	*-327.04*	
26 56 13 00-0174	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,262.63	558.29
		For >10 To 20, Deduct	*-106.57*	
		For >20 To 40, Deduct	*-213.13*	
		For >40, Deduct	*-347.61*	
26 56 13 00-0175	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,298.31	558.29
		For >10 To 20, Deduct	*-107.46*	
		For >20 To 40, Deduct	*-214.92*	
		For >40, Deduct	*-350.29*	
26 56 13 00-0176	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,381.95	558.29
		For >10 To 20, Deduct	*-109.55*	
		For >20 To 40, Deduct	*-219.10*	
		For >40, Deduct	*-356.56*	
26 56 13 00-0177		Area Light Poles *(26 56 13 00-0001)* Note: Excludes lighting fixtures.		
26 56 13 00-0178		Steel Area Light Poles *(26 56 13 00-0177)* Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179		Round Straight, Steel Area Light Poles *(26 56 13 00-0178)*		
26 56 13 00-0180		Round Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0179)*		
26 56 13 00-0181	EA	10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,272.61	205.68
		For Galvanized Finish, Add	*25.84*	
		For >10 To 20, Deduct	*-44.73*	
		For >20 To 40, Deduct	*-80.86*	
		For >40, Deduct	*-170.32*	
26 56 13 00-0182	EA	12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,379.08	235.07
		For Galvanized Finish, Add	*27.27*	
		For >10 To 20, Deduct	*-48.11*	
		For >20 To 40, Deduct	*-87.13*	
		For >40, Deduct	*-183.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0183	EA	14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,540.44	264.45
		For Galvanized Finish, Add	*30.35*	
		For >10 To 20, Deduct	*-53.68*	
		For >20 To 40, Deduct	*-97.25*	
		For >40, Deduct	*-204.62*	
26 56 13 00-0184	EA	16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,706.56	293.84
		For Galvanized Finish, Add	*33.57*	
		For >10 To 20, Deduct	*-59.45*	
		For >20 To 40, Deduct	*-107.71*	
		For >40, Deduct	*-226.60*	
26 56 13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,813.05	323.22
		For Galvanized Finish, Add	*35.00*	
		For >10 To 20, Deduct	*-62.83*	
		For >20 To 40, Deduct	*-113.98*	
		For >40, Deduct	*-239.64*	
26 56 13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,907.60	352.61
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-65.73*	
		For >20 To 40, Deduct	*-119.43*	
		For >40, Deduct	*-250.88*	
26 56 13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,334.64	205.68
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-47.21*	
		For >20 To 40, Deduct	*-85.20*	
		For >40, Deduct	*-179.63*	
26 56 13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,443.50	235.07
		For Galvanized Finish, Add	*29.20*	
		For >10 To 20, Deduct	*-50.69*	
		For >20 To 40, Deduct	*-91.64*	
		For >40, Deduct	*-193.02*	
26 56 13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,669.27	264.45
		For Galvanized Finish, Add	*34.21*	
		For >10 To 20, Deduct	*-58.84*	
		For >20 To 40, Deduct	*-106.27*	
		For >40, Deduct	*-223.95*	
26 56 13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,790.06	293.84
		For Galvanized Finish, Add	*36.07*	
		For >10 To 20, Deduct	*-62.79*	
		For >20 To 40, Deduct	*-113.55*	
		For >40, Deduct	*-239.13*	
26 56 13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,903.70	323.22
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-66.45*	
		For >20 To 40, Deduct	*-120.33*	
		For >40, Deduct	*-253.23*	
26 56 13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,993.49	352.61
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-69.16*	
		For >20 To 40, Deduct	*-125.44*	
		For >40, Deduct	*-263.76*	
26 56 13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,316.82	470.14
		For Galvanized Finish, Add	*41.30*	
		For >10 To 20, Deduct	*-78.57*	
		For >20 To 40, Deduct	*-143.37*	
		For >40, Deduct	*-300.51*	
26 56 13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,334.64	205.68
		For Galvanized Finish, Add	*27.70*	
		For >10 To 20, Deduct	*-47.21*	
		For >20 To 40, Deduct	*-85.20*	
		For >40, Deduct	*-179.63*	
26 56 13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,450.65	235.07
		For Galvanized Finish, Add	*29.42*	
		For >10 To 20, Deduct	*-50.97*	
		For >20 To 40, Deduct	*-92.14*	
		For >40, Deduct	*-194.09*	
26 56 13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,707.44	264.45
		For Galvanized Finish, Add	*35.36*	
		For >10 To 20, Deduct	*-60.36*	
		For >20 To 40, Deduct	*-108.94*	
		For >40, Deduct	*-229.67*	
26 56 13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,797.22	293.84
		For Galvanized Finish, Add	*36.29*	
		For >10 To 20, Deduct	*-63.07*	
		For >20 To 40, Deduct	*-114.05*	
		For >40, Deduct	*-240.20*	
26 56 13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,903.70	323.22
		For Galvanized Finish, Add	*37.72*	
		For >10 To 20, Deduct	*-66.45*	
		For >20 To 40, Deduct	*-120.33*	
		For >40, Deduct	*-253.23*	
26 56 13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,993.49	352.61
		For Galvanized Finish, Add	*38.65*	
		For >10 To 20, Deduct	*-69.16*	
		For >20 To 40, Deduct	*-125.44*	
		For >40, Deduct	*-263.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,383.62	470.14
		For Galvanized Finish, Add	*43.30*	
		For >10 To 20, Deduct	*-81.24*	
		For >20 To 40, Deduct	*-148.05*	
		For >40, Deduct	*-310.53*	
26 56 13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,625.21	528.91
		For Galvanized Finish, Add	*47.02*	
		For >10 To 20, Deduct	*-89.14*	
		For >20 To 40, Deduct	*-162.61*	
		For >40, Deduct	*-340.89*	
26 56 13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,146.17	352.61
		For Galvanized Finish, Add	*43.23*	
		For >10 To 20, Deduct	*-75.27*	
		For >20 To 40, Deduct	*-136.13*	
		For >40, Deduct	*-286.66*	
26 56 13 00-0203	EA	25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,414.63	470.14
		For Galvanized Finish, Add	*44.23*	
		For >10 To 20, Deduct	*-82.48*	
		For >20 To 40, Deduct	*-150.22*	
		For >40, Deduct	*-315.18*	
26 56 13 00-0204	EA	30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,684.85	528.91
		For Galvanized Finish, Add	*48.81*	
		For >10 To 20, Deduct	*-91.53*	
		For >20 To 40, Deduct	*-166.78*	
		For >40, Deduct	*-349.84*	

26 56 13 00-0205 Round Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0206 Round Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0205)*

26 56 13 00-0207	EA	20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,685.33	352.61
		For Galvanized Finish, Add	*59.40*	
		For >10 To 20, Deduct	*-96.83*	
		For >20 To 40, Deduct	*-173.87*	
		For >40, Deduct	*-367.54*	
26 56 13 00-0208	EA	20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	2,759.29	352.61
		For Galvanized Finish, Add	*61.62*	
		For >10 To 20, Deduct	*-99.79*	
		For >20 To 40, Deduct	*-179.05*	
		For >40, Deduct	*-378.63*	
26 56 13 00-0209	EA	25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,156.58	470.14
		For Galvanized Finish, Add	*66.49*	
		For >10 To 20, Deduct	*-112.16*	
		For >20 To 40, Deduct	*-202.16*	
		For >40, Deduct	*-426.47*	
26 56 13 00-0210	EA	25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,309.26	470.14
		For Galvanized Finish, Add	*71.07*	
		For >10 To 20, Deduct	*-118.27*	
		For >20 To 40, Deduct	*-212.84*	
		For >40, Deduct	*-449.38*	
26 56 13 00-0211	EA	30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,512.68	528.91
		For Galvanized Finish, Add	*73.65*	
		For >10 To 20, Deduct	*-124.64*	
		For >20 To 40, Deduct	*-224.73*	
		For >40, Deduct	*-474.01*	
26 56 13 00-0212	EA	30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,767.95	528.91
		For Galvanized Finish, Add	*81.30*	
		For >10 To 20, Deduct	*-134.85*	
		For >20 To 40, Deduct	*-242.60*	
		For >40, Deduct	*-512.30*	
26 56 13 00-0213	EA	35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	3,879.20	558.29
		For Galvanized Finish, Add	*82.88*	
		For >10 To 20, Deduct	*-138.42*	
		For >20 To 40, Deduct	*-249.21*	
		For >40, Deduct	*-526.05*	
26 56 13 00-0214	EA	35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,036.65	558.29
		For Galvanized Finish, Add	*87.60*	
		For >10 To 20, Deduct	*-144.72*	
		For >20 To 40, Deduct	*-260.23*	
		For >40, Deduct	*-549.67*	
26 56 13 00-0215	EA	35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,413.59	558.29
		For Galvanized Finish, Add	*98.91*	
		For >10 To 20, Deduct	*-159.79*	
		For >20 To 40, Deduct	*-286.62*	
		For >40, Deduct	*-606.21*	
26 56 13 00-0216	EA	39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,443.73	587.68
		For Galvanized Finish, Add	*98.05*	
		For >10 To 20, Deduct	*-160.12*	
		For >20 To 40, Deduct	*-287.55*	
		For >40, Deduct	*-607.79*	
26 56 13 00-0217	EA	39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,510.53	587.68
		For Galvanized Finish, Add	*100.06*	
		For >10 To 20, Deduct	*-162.79*	
		For >20 To 40, Deduct	*-292.23*	
		For >40, Deduct	*-617.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0218	EA	45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,149.02	763.99
		For Galvanized Finish, Add	*138.63*	
		For >10 To 20, Deduct	*-223.04*	
		For >20 To 40, Deduct	*-399.87*	
		For >40, Deduct	*-845.96*	
26 56 13 00-0219	EA	50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,369.78	881.51
		For Galvanized Finish, Add	*138.20*	
		For >10 To 20, Deduct	*-228.35*	
		For >20 To 40, Deduct	*-410.62*	
		For >40, Deduct	*-867.32*	
26 56 13 00-0220	EA	25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,344.65	470.14
		For Galvanized Finish, Add	*102.13*	
		For >10 To 20, Deduct	*-159.68*	
		For >20 To 40, Deduct	*-285.32*	
		For >40, Deduct	*-604.68*	
26 56 13 00-0221	EA	30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	4,934.55	528.91
		For Galvanized Finish, Add	*116.30*	
		For >10 To 20, Deduct	*-181.51*	
		For >20 To 40, Deduct	*-324.26*	
		For >40, Deduct	*-687.29*	
26 56 13 00-0222	EA	39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	5,729.61	587.68
		For Galvanized Finish, Add	*136.63*	
		For >10 To 20, Deduct	*-211.55*	
		For >20 To 40, Deduct	*-377.57*	
		For >40, Deduct	*-800.67*	
26 56 13 00-0223	EA	45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	6,893.35	763.99
		For Galvanized Finish, Add	*160.96*	
		For >10 To 20, Deduct	*-252.81*	
		For >20 To 40, Deduct	*-451.98*	
		For >40, Deduct	*-957.60*	
26 56 13 00-0224	EA	50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	8,049.30	881.51
		For Galvanized Finish, Add	*188.59*	
		For >10 To 20, Deduct	*-295.53*	
		For >20 To 40, Deduct	*-528.19*	
		For >40, Deduct	*-1,119.24*	
26 56 13 00-0225	EA	50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	9,020.27	881.51
		For Galvanized Finish, Add	*217.72*	
		For >10 To 20, Deduct	*-334.37*	
		For >20 To 40, Deduct	*-596.16*	
		For >40, Deduct	*-1,264.89*	
26 56 13 00-0226	EA	50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	12,264.79	881.51
		For Galvanized Finish, Add	*315.05*	
		For >10 To 20, Deduct	*-464.15*	
		For >20 To 40, Deduct	*-823.27*	
		For >40, Deduct	*-1,751.57*	
26 56 13 00-0227	EA	50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base	13,839.34	881.51
		For Galvanized Finish, Add	*362.29*	
		For >10 To 20, Deduct	*-527.13*	
		For >20 To 40, Deduct	*-933.49*	
		For >40, Deduct	*-1,987.75*	

26 56 13 00-0228 Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0229 Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0228)*

26 56 13 00-0230	EA	10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,253.52	205.68
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-43.97*	
		For >20 To 40, Deduct	*-79.52*	
		For >40, Deduct	*-167.46*	
26 56 13 00-0231	EA	12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,312.28	235.07
		For Galvanized Finish, Add	*25.26*	
		For >10 To 20, Deduct	*-45.44*	
		For >20 To 40, Deduct	*-82.46*	
		For >40, Deduct	*-173.34*	
26 56 13 00-0232	EA	14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,411.61	264.45
		For Galvanized Finish, Add	*26.48*	
		For >10 To 20, Deduct	*-48.53*	
		For >20 To 40, Deduct	*-88.23*	
		For >40, Deduct	*-185.30*	
26 56 13 00-0233	EA	15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,498.25	279.15
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-51.56*	
		For >20 To 40, Deduct	*-93.71*	
		For >40, Deduct	*-196.82*	
26 56 13 00-0234	EA	16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,527.64	293.84
		For Galvanized Finish, Add	*28.20*	
		For >10 To 20, Deduct	*-52.29*	
		For >20 To 40, Deduct	*-95.18*	
		For >40, Deduct	*-199.76*	
26 56 13 00-0235	EA	18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,612.65	323.22
		For Galvanized Finish, Add	*28.99*	
		For >10 To 20, Deduct	*-54.81*	
		For >20 To 40, Deduct	*-99.96*	
		For >40, Deduct	*-209.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0236	EA	20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,692.89	352.61
		For Galvanized Finish, Add	*29.63*	
		For >10 To 20, Deduct	*-57.14*	
		For >20 To 40, Deduct	*-104.40*	
		For >40, Deduct	*-218.67*	
26 56 13 00-0237	EA	25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,071.09	470.14
		For Galvanized Finish, Add	*33.92*	
		For >10 To 20, Deduct	*-68.74*	
		For >20 To 40, Deduct	*-126.17*	
		For >40, Deduct	*-263.65*	
26 56 13 00-0238	EA	20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,014.96	352.61
		For Galvanized Finish, Add	*39.29*	
		For >10 To 20, Deduct	*-70.02*	
		For >20 To 40, Deduct	*-126.94*	
		For >40, Deduct	*-266.98*	
26 56 13 00-0239	EA	25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,514.83	470.14
		For Galvanized Finish, Add	*47.24*	
		For >10 To 20, Deduct	*-86.49*	
		For >20 To 40, Deduct	*-157.23*	
		For >40, Deduct	*-330.21*	
26 56 13 00-0240	EA	30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,892.41	528.91
		For Galvanized Finish, Add	*55.04*	
		For >10 To 20, Deduct	*-99.83*	
		For >20 To 40, Deduct	*-181.31*	
		For >40, Deduct	*-380.97*	
26 56 13 00-0241	EA	20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	1,926.69	352.61
		For Galvanized Finish, Add	*36.64*	
		For >10 To 20, Deduct	*-66.49*	
		For >20 To 40, Deduct	*-120.76*	
		For >40, Deduct	*-253.74*	
26 56 13 00-0242	EA	25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,343.06	470.14
		For Galvanized Finish, Add	*42.08*	
		For >10 To 20, Deduct	*-79.62*	
		For >20 To 40, Deduct	*-145.21*	
		For >40, Deduct	*-304.45*	
26 56 13 00-0243	EA	30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,744.50	528.91
		For Galvanized Finish, Add	*50.60*	
		For >10 To 20, Deduct	*-93.91*	
		For >20 To 40, Deduct	*-170.96*	
		For >40, Deduct	*-358.78*	
26 56 13 00-0244	EA	20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,229.67	352.61
		For Galvanized Finish, Add	*45.73*	
		For >10 To 20, Deduct	*-78.61*	
		For >20 To 40, Deduct	*-141.97*	
		For >40, Deduct	*-299.19*	
26 56 13 00-0245	EA	25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	2,729.54	470.14
		For Galvanized Finish, Add	*53.68*	
		For >10 To 20, Deduct	*-95.08*	
		For >20 To 40, Deduct	*-172.26*	
		For >40, Deduct	*-362.42*	
26 56 13 00-0246	EA	30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,095.19	528.91
		For Galvanized Finish, Add	*61.12*	
		For >10 To 20, Deduct	*-107.94*	
		For >20 To 40, Deduct	*-195.51*	
		For >40, Deduct	*-411.39*	
26 56 13 00-0247	EA	35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,449.78	558.29
		For Galvanized Finish, Add	*70.00*	
		For >10 To 20, Deduct	*-121.24*	
		For >20 To 40, Deduct	*-219.15*	
		For >40, Deduct	*-461.64*	
26 56 13 00-0248	EA	30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,565.17	528.91
		For Galvanized Finish, Add	*75.22*	
		For >10 To 20, Deduct	*-126.74*	
		For >20 To 40, Deduct	*-228.41*	
		For >40, Deduct	*-481.88*	
26 56 13 00-0249	EA	35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	3,922.14	558.29
		For Galvanized Finish, Add	*84.17*	
		For >10 To 20, Deduct	*-140.14*	
		For >20 To 40, Deduct	*-252.22*	
		For >40, Deduct	*-532.49*	
26 56 13 00-0250	EA	40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base	4,150.29	587.68
		For Galvanized Finish, Add	*89.25*	
		For >10 To 20, Deduct	*-148.38*	
		For >20 To 40, Deduct	*-267.01*	
		For >40, Deduct	*-563.78*	

26 56 13 00-0251 Hinged, Square Straight, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0252 Hinged, Square Straight, Steel Area Light Poles, Anchor Base *(26 56 13 00-0251)*

26 56 13 00-0253	EA	20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,661.18	352.61
		For Galvanized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-175.87*	
		For >20 To 40, Deduct	*-312.18*	
		For >40, Deduct	*-663.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0254	EA	25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,165.21	470.14
		For Galvanized Finish, Add	*126.75*	
		For >10 To 20, Deduct	*-192.50*	
		For >20 To 40, Deduct	*-342.76*	
		For >40, Deduct	*-727.77*	
26 56 13 00-0255	EA	30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,292.45	528.91
		For Galvanized Finish, Add	*187.04*	
		For >10 To 20, Deduct	*-275.83*	
		For >20 To 40, Deduct	*-489.32*	
		For >40, Deduct	*-1,040.98*	
26 56 13 00-0256	EA	20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,757.60	352.61
		For Galvanized Finish, Add	*121.57*	
		For >10 To 20, Deduct	*-179.73*	
		For >20 To 40, Deduct	*-318.93*	
		For >40, Deduct	*-678.38*	
26 56 13 00-0257	EA	25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,726.00	470.14
		For Galvanized Finish, Add	*143.57*	
		For >10 To 20, Deduct	*-214.94*	
		For >20 To 40, Deduct	*-382.01*	
		For >40, Deduct	*-811.89*	
26 56 13 00-0258	EA	30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,127.28	528.91
		For Galvanized Finish, Add	*212.08*	
		For >10 To 20, Deduct	*-309.22*	
		For >20 To 40, Deduct	*-547.75*	
		For >40, Deduct	*-1,166.20*	
26 56 13 00-0259	EA	35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,350.75	558.29
		For Galvanized Finish, Add	*247.03*	
		For >10 To 20, Deduct	*-357.28*	
		For >20 To 40, Deduct	*-632.22*	
		For >40, Deduct	*-1,346.78*	
26 56 13 00-0260	EA	39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,025.91	587.68
		For Galvanized Finish, Add	*295.52*	
		For >10 To 20, Deduct	*-423.41*	
		For >20 To 40, Deduct	*-748.31*	
		For >40, Deduct	*-1,595.12*	
26 56 13 00-0261	EA	20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,508.93	352.61
		For Galvanized Finish, Add	*114.11*	
		For >10 To 20, Deduct	*-169.78*	
		For >20 To 40, Deduct	*-301.52*	
		For >40, Deduct	*-641.08*	
26 56 13 00-0262	EA	25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,921.61	470.14
		For Galvanized Finish, Add	*119.44*	
		For >10 To 20, Deduct	*-182.76*	
		For >20 To 40, Deduct	*-325.71*	
		For >40, Deduct	*-691.23*	
26 56 13 00-0263	EA	30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,863.61	528.91
		For Galvanized Finish, Add	*174.17*	
		For >10 To 20, Deduct	*-258.68*	
		For >20 To 40, Deduct	*-459.30*	
		For >40, Deduct	*-976.65*	
26 56 13 00-0264	EA	20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,684.01	352.61
		For Galvanized Finish, Add	*119.36*	
		For >10 To 20, Deduct	*-176.78*	
		For >20 To 40, Deduct	*-313.78*	
		For >40, Deduct	*-667.34*	
26 56 13 00-0265	EA	25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,497.62	470.14
		For Galvanized Finish, Add	*136.72*	
		For >10 To 20, Deduct	*-205.80*	
		For >20 To 40, Deduct	*-366.03*	
		For >40, Deduct	*-777.63*	
26 56 13 00-0266	EA	30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	7,810.10	528.91
		For Galvanized Finish, Add	*202.57*	
		For >10 To 20, Deduct	*-296.54*	
		For >20 To 40, Deduct	*-525.55*	
		For >40, Deduct	*-1,118.62*	
26 56 13 00-0267	EA	20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	4,952.99	352.61
		For Galvanized Finish, Add	*127.43*	
		For >10 To 20, Deduct	*-187.54*	
		For >20 To 40, Deduct	*-332.60*	
		For >40, Deduct	*-707.69*	
26 56 13 00-0268	EA	25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	5,982.28	470.14
		For Galvanized Finish, Add	*151.26*	
		For >10 To 20, Deduct	*-225.19*	
		For >20 To 40, Deduct	*-399.95*	
		For >40, Deduct	*-850.33*	
26 56 13 00-0269	EA	30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,381.03	528.91
		For Galvanized Finish, Add	*219.70*	
		For >10 To 20, Deduct	*-319.37*	
		For >20 To 40, Deduct	*-565.52*	
		For >40, Deduct	*-1,204.26*	
26 56 13 00-0270	EA	35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,660.33	558.29
		For Galvanized Finish, Add	*256.31*	
		For >10 To 20, Deduct	*-369.66*	
		For >20 To 40, Deduct	*-653.89*	
		For >40, Deduct	*-1,393.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0271	EA	39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,190.85	587.68
		For Galvanized Finish, Add	*300.47*	
		For >10 To 20, Deduct	*-430.00*	
		For >20 To 40, Deduct	*-759.85*	
		For >40, Deduct	*-1,619.86*	

26 56 13 00-0272 Square Tapered, Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0273 Square Tapered, Steel Area Light Poles, Anchor Base *(26 56 13 00-0272)*

26 56 13 00-0274	EA	20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	3,489.31	352.61
		For Galvanized Finish, Add	*83.52*	
		For >10 To 20, Deduct	*-128.99*	
		For >20 To 40, Deduct	*-230.15*	
		For >40, Deduct	*-488.14*	
26 56 13 00-0275	EA	25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,215.82	470.14
		For Galvanized Finish, Add	*98.27*	
		For >10 To 20, Deduct	*-154.53*	
		For >20 To 40, Deduct	*-276.30*	
		For >40, Deduct	*-585.36*	
26 56 13 00-0276	EA	30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,688.82	528.91
		For Galvanized Finish, Add	*108.93*	
		For >10 To 20, Deduct	*-171.69*	
		For >20 To 40, Deduct	*-307.06*	
		For >40, Deduct	*-650.43*	
26 56 13 00-0277	EA	35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,217.56	558.29
		For Galvanized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-191.95*	
		For >20 To 40, Deduct	*-342.90*	
		For >40, Deduct	*-726.81*	
26 56 13 00-0278	EA	39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,500.59	587.68
		For Galvanized Finish, Add	*129.76*	
		For >10 To 20, Deduct	*-202.39*	
		For >20 To 40, Deduct	*-361.53*	
		For >40, Deduct	*-766.32*	
26 56 13 00-0279	EA	20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,560.48	352.61
		For Galvanized Finish, Add	*115.66*	
		For >10 To 20, Deduct	*-171.84*	
		For >20 To 40, Deduct	*-305.13*	
		For >40, Deduct	*-648.81*	
26 56 13 00-0280	EA	25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,055.58	470.14
		For Galvanized Finish, Add	*123.46*	
		For >10 To 20, Deduct	*-188.12*	
		For >20 To 40, Deduct	*-335.09*	
		For >40, Deduct	*-711.32*	
26 56 13 00-0281	EA	30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,375.90	528.91
		For Galvanized Finish, Add	*129.54*	
		For >10 To 20, Deduct	*-199.17*	
		For >20 To 40, Deduct	*-355.16*	
		For >40, Deduct	*-753.49*	
26 56 13 00-0282	EA	30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,005.72	528.91
		For Galvanized Finish, Add	*148.44*	
		For >10 To 20, Deduct	*-224.36*	
		For >20 To 40, Deduct	*-399.24*	
		For >40, Deduct	*-847.97*	
26 56 13 00-0283	EA	35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,517.76	558.29
		For Galvanized Finish, Add	*162.04*	
		For >10 To 20, Deduct	*-243.96*	
		For >20 To 40, Deduct	*-433.91*	
		For >40, Deduct	*-921.84*	
26 56 13 00-0284	EA	35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,297.88	558.29
		For Galvanized Finish, Add	*185.44*	
		For >10 To 20, Deduct	*-275.17*	
		For >20 To 40, Deduct	*-488.52*	
		For >40, Deduct	*-1,038.85*	
26 56 13 00-0285	EA	39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,612.31	587.68
		For Galvanized Finish, Add	*163.11*	
		For >10 To 20, Deduct	*-246.86*	
		For >20 To 40, Deduct	*-439.35*	
		For >40, Deduct	*-933.08*	
26 56 13 00-0286	EA	39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,532.79	587.68
		For Galvanized Finish, Add	*220.72*	
		For >10 To 20, Deduct	*-323.68*	
		For >20 To 40, Deduct	*-573.79*	
		For >40, Deduct	*-1,221.15*	
26 56 13 00-0287	EA	45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,773.67	763.99
		For Galvanized Finish, Add	*187.37*	
		For >10 To 20, Deduct	*-288.03*	
		For >20 To 40, Deduct	*-513.60*	
		For >40, Deduct	*-1,089.65*	
26 56 13 00-0288	EA	45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,083.41	763.99
		For Galvanized Finish, Add	*226.66*	
		For >10 To 20, Deduct	*-340.42*	
		For >20 To 40, Deduct	*-605.28*	
		For >40, Deduct	*-1,286.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0289	EA	50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,385.28	881.51
		For Galvanized Finish, Add	*228.67*	
		For >10 To 20, Deduct	*-348.97*	
		For >20 To 40, Deduct	*-621.71*	
		For >40, Deduct	*-1,319.64*	

26 56 13 00-0290 Factory Accessories For Steel Area Light Poles *(26 56 13 00-0178)*

26 56 13 00-0291	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	84.58	
26 56 13 00-0292	EA	Extra Handhole For Steel Area Light Poles	125.79	
26 56 13 00-0293	EA	Vibration Dampener For Steel Area Light Poles	127.96	

26 56 13 00-0294 Aluminum Area Light Poles *(26 56 13 00-0177)*

Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.

26 56 13 00-0295 Round Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0296 Round Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0297	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	734.03	176.30
		For Bronze Or Satin Anodized Finish, Add	*38.14*	
		For Black Anodized Finish, Add	*76.28*	
		For >10 To 20, Deduct	*-24.07*	
		For >20 To 40, Deduct	*-44.33*	
		For >40, Deduct	*-92.47*	
26 56 13 00-0298	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	812.36	205.68
		For Bronze Or Satin Anodized Finish, Add	*40.10*	
		For Black Anodized Finish, Add	*80.20*	
		For >10 To 20, Deduct	*-26.32*	
		For >20 To 40, Deduct	*-48.64*	
		For >40, Deduct	*-101.29*	
26 56 13 00-0299	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	895.57	235.07
		For Bronze Or Satin Anodized Finish, Add	*42.54*	
		For Black Anodized Finish, Add	*85.09*	
		For >10 To 20, Deduct	*-28.77*	
		For >20 To 40, Deduct	*-53.29*	
		For >40, Deduct	*-110.83*	
26 56 13 00-0300	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	979.77	264.45
		For Bronze Or Satin Anodized Finish, Add	*45.09*	
		For Black Anodized Finish, Add	*90.17*	
		For >10 To 20, Deduct	*-31.26*	
		For >20 To 40, Deduct	*-58.01*	
		For >40, Deduct	*-120.52*	
26 56 13 00-0301	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,025.78	279.15
		For Bronze Or Satin Anodized Finish, Add	*46.75*	
		For Black Anodized Finish, Add	*93.50*	
		For >10 To 20, Deduct	*-32.66*	
		For >20 To 40, Deduct	*-60.64*	
		For >40, Deduct	*-125.95*	
26 56 13 00-0302	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,070.82	293.84
		For Bronze Or Satin Anodized Finish, Add	*48.31*	
		For Black Anodized Finish, Add	*96.63*	
		For >10 To 20, Deduct	*-34.02*	
		For >20 To 40, Deduct	*-63.20*	
		For >40, Deduct	*-131.24*	
26 56 13 00-0303	EA	16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,129.50	293.84
		For Bronze Or Satin Anodized Finish, Add	*54.18*	
		For Black Anodized Finish, Add	*108.36*	
		For >10 To 20, Deduct	*-36.36*	
		For >20 To 40, Deduct	*-67.31*	
		For >40, Deduct	*-140.04*	
26 56 13 00-0304	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,225.43	323.22
		For Bronze Or Satin Anodized Finish, Add	*57.90*	
		For Black Anodized Finish, Add	*115.80*	
		For >10 To 20, Deduct	*-39.32*	
		For >20 To 40, Deduct	*-72.85*	
		For >40, Deduct	*-151.49*	
26 56 13 00-0305	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,315.50	352.61
		For Bronze Or Satin Anodized Finish, Add	*61.03*	
		For Black Anodized Finish, Add	*122.06*	
		For >10 To 20, Deduct	*-42.04*	
		For >20 To 40, Deduct	*-77.98*	
		For >40, Deduct	*-162.06*	
26 56 13 00-0306	EA	15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,241.92	279.15
		For Bronze Or Satin Anodized Finish, Add	*68.36*	
		For Black Anodized Finish, Add	*136.73*	
		For >10 To 20, Deduct	*-41.30*	
		For >20 To 40, Deduct	*-75.77*	
		For >40, Deduct	*-158.37*	
26 56 13 00-0307	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,531.64	352.61
		For Bronze Or Satin Anodized Finish, Add	*82.64*	
		For Black Anodized Finish, Add	*165.28*	
		For >10 To 20, Deduct	*-50.69*	
		For >20 To 40, Deduct	*-93.11*	
		For >40, Deduct	*-194.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0308	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,641.18	352.61
		For Bronze Or Satin Anodized Finish, Add	*93.60*	
		For Black Anodized Finish, Add	*187.19*	
		For >10 To 20, Deduct	*-55.07*	
		For >20 To 40, Deduct	*-100.78*	
		For >40, Deduct	*-210.92*	
26 56 13 00-0309	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	1,978.93	470.14
		For Bronze Or Satin Anodized Finish, Add	*103.87*	
		For Black Anodized Finish, Add	*207.73*	
		For >10 To 20, Deduct	*-65.05*	
		For >20 To 40, Deduct	*-119.72*	
		For >40, Deduct	*-249.83*	
26 56 13 00-0310	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base	2,291.09	528.91
		For Bronze Or Satin Anodized Finish, Add	*123.33*	
		For Black Anodized Finish, Add	*246.65*	
		For >10 To 20, Deduct	*-75.78*	
		For >20 To 40, Deduct	*-139.22*	
		For >40, Deduct	*-290.77*	
26 56 13 00-0311	EA	20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,382.98	352.61
		For Bronze Or Satin Anodized Finish, Add	*67.78*	
		For Black Anodized Finish, Add	*135.55*	
		For >10 To 20, Deduct	*-44.74*	
		For >20 To 40, Deduct	*-82.70*	
		For >40, Deduct	*-172.19*	
26 56 13 00-0312	EA	20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,632.37	352.61
		For Bronze Or Satin Anodized Finish, Add	*92.72*	
		For Black Anodized Finish, Add	*185.43*	
		For >10 To 20, Deduct	*-54.72*	
		For >20 To 40, Deduct	*-100.16*	
		For >40, Deduct	*-209.59*	
26 56 13 00-0313	EA	25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	1,963.28	470.14
		For Bronze Or Satin Anodized Finish, Add	*102.30*	
		For Black Anodized Finish, Add	*204.60*	
		For >10 To 20, Deduct	*-64.43*	
		For >20 To 40, Deduct	*-118.62*	
		For >40, Deduct	*-247.48*	
26 56 13 00-0314	EA	25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,105.09	470.14
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-70.10*	
		For >20 To 40, Deduct	*-128.55*	
		For >40, Deduct	*-268.75*	
26 56 13 00-0315	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base	2,451.48	528.91
		For Bronze Or Satin Anodized Finish, Add	*139.37*	
		For Black Anodized Finish, Add	*278.73*	
		For >10 To 20, Deduct	*-82.19*	
		For >20 To 40, Deduct	*-150.45*	
		For >40, Deduct	*-314.83*	

26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base *(26 56 13 00-0295)*

26 56 13 00-0317	EA	8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	833.79	176.30
		For Bronze, Satin Or Black Anodized Finish, Add	*72.18*	
		For >10 To 20, Deduct	*-28.06*	
		For >20 To 40, Deduct	*-51.31*	
		For >40, Deduct	*-107.44*	
26 56 13 00-0318	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	931.68	205.68
		For Bronze, Satin Or Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-31.10*	
		For >20 To 40, Deduct	*-56.99*	
		For >40, Deduct	*-119.18*	
26 56 13 00-0319	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,025.65	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*83.33*	
		For >10 To 20, Deduct	*-33.97*	
		For >20 To 40, Deduct	*-62.39*	
		For >40, Deduct	*-130.34*	
26 56 13 00-0320	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,101.05	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*85.82*	
		For >10 To 20, Deduct	*-36.11*	
		For >20 To 40, Deduct	*-66.50*	
		For >40, Deduct	*-138.71*	
26 56 13 00-0321	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,188.18	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*90.08*	
		For >10 To 20, Deduct	*-38.71*	
		For >20 To 40, Deduct	*-71.42*	
		For >40, Deduct	*-148.84*	
26 56 13 00-0322	EA	10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	952.22	205.68
		For Bronze, Satin Or Black Anodized Finish, Add	*81.13*	
		For >10 To 20, Deduct	*-31.92*	
		For >20 To 40, Deduct	*-58.43*	
		For >40, Deduct	*-122.26*	
26 56 13 00-0323	EA	12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,044.23	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*86.11*	
		For >10 To 20, Deduct	*-34.72*	
		For >20 To 40, Deduct	*-63.69*	
		For >40, Deduct	*-133.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0324	EA	14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,139.19	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-37.63*	
		For >20 To 40, Deduct	*-69.17*	
		For >40, Deduct	*-144.43*	
26 56 13 00-0325	EA	16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,233.17	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*96.82*	
		For >10 To 20, Deduct	*-40.51*	
		For >20 To 40, Deduct	*-74.57*	
		For >40, Deduct	*-155.59*	
26 56 13 00-0326	EA	18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,332.03	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-43.58*	
		For >20 To 40, Deduct	*-80.31*	
		For >40, Deduct	*-167.48*	
26 56 13 00-0327	EA	20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,425.04	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*107.97*	
		For >10 To 20, Deduct	*-46.42*	
		For >20 To 40, Deduct	*-85.65*	
		For >40, Deduct	*-178.50*	
26 56 13 00-0328	EA	12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,082.37	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*91.83*	
		For >10 To 20, Deduct	*-36.24*	
		For >20 To 40, Deduct	*-66.36*	
		For >40, Deduct	*-138.85*	
26 56 13 00-0329	EA	14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,184.18	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*98.29*	
		For >10 To 20, Deduct	*-39.43*	
		For >20 To 40, Deduct	*-72.31*	
		For >40, Deduct	*-151.18*	
26 56 13 00-0330	EA	16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,285.00	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*104.60*	
		For >10 To 20, Deduct	*-42.58*	
		For >20 To 40, Deduct	*-78.20*	
		For >40, Deduct	*-163.37*	
26 56 13 00-0331	EA	18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,387.78	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*111.20*	
		For >10 To 20, Deduct	*-45.81*	
		For >20 To 40, Deduct	*-84.22*	
		For >40, Deduct	*-175.84*	
26 56 13 00-0332	EA	16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,339.77	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*112.81*	
		For >10 To 20, Deduct	*-44.78*	
		For >20 To 40, Deduct	*-82.03*	
		For >40, Deduct	*-171.58*	
26 56 13 00-0333	EA	20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,553.15	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*127.19*	
		For >10 To 20, Deduct	*-51.55*	
		For >20 To 40, Deduct	*-94.62*	
		For >40, Deduct	*-197.71*	
26 56 13 00-0334	EA	12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,118.56	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*97.26*	
		For >10 To 20, Deduct	*-37.69*	
		For >20 To 40, Deduct	*-68.90*	
		For >40, Deduct	*-144.28*	
26 56 13 00-0335	EA	14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,231.12	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*105.33*	
		For >10 To 20, Deduct	*-41.31*	
		For >20 To 40, Deduct	*-75.60*	
		For >40, Deduct	*-158.22*	
26 56 13 00-0336	EA	16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,333.90	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*111.93*	
		For >10 To 20, Deduct	*-44.54*	
		For >20 To 40, Deduct	*-81.62*	
		For >40, Deduct	*-170.70*	
26 56 13 00-0337	EA	18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,442.55	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-48.01*	
		For >20 To 40, Deduct	*-88.05*	
		For >40, Deduct	*-184.06*	
26 56 13 00-0338	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,548.26	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*126.46*	
		For >10 To 20, Deduct	*-51.35*	
		For >20 To 40, Deduct	*-94.27*	
		For >40, Deduct	*-196.98*	
26 56 13 00-0339	EA	16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,405.30	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*122.64*	
		For >10 To 20, Deduct	*-47.40*	
		For >20 To 40, Deduct	*-86.62*	
		For >40, Deduct	*-181.41*	
26 56 13 00-0340	EA	18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,522.75	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*131.45*	
		For >10 To 20, Deduct	*-51.21*	
		For >20 To 40, Deduct	*-93.66*	
		For >40, Deduct	*-196.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0341	EA	20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base	1,578.58	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*131.00*	
		For >10 To 20, Deduct	*-52.56*	
		For >20 To 40, Deduct	*-96.40*	
		For >40, Deduct	*-201.53*	
26 56 13 00-0342		Round Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0295)*		
		Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA	10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	653.75	146.92
		For Bronze Or Satin Anodized Finish, Add	*35.99*	
		For Black Anodized Finish, Add	*71.98*	
		For >10 To 20, Deduct	*-21.74*	
		For >20 To 40, Deduct	*-39.89*	
		For >40, Deduct	*-83.37*	
26 56 13 00-0344	EA	12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	701.71	161.61
		For Bronze Or Satin Anodized Finish, Add	*37.85*	
		For Black Anodized Finish, Add	*75.70*	
		For >10 To 20, Deduct	*-23.22*	
		For >20 To 40, Deduct	*-42.66*	
		For >40, Deduct	*-89.10*	
26 56 13 00-0345	EA	14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	775.11	176.30
		For Bronze Or Satin Anodized Finish, Add	*42.25*	
		For Black Anodized Finish, Add	*84.50*	
		For >10 To 20, Deduct	*-25.72*	
		For >20 To 40, Deduct	*-47.21*	
		For >40, Deduct	*-98.64*	
26 56 13 00-0346	EA	15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	797.60	176.30
		For Bronze Or Satin Anodized Finish, Add	*44.50*	
		For Black Anodized Finish, Add	*89.00*	
		For >10 To 20, Deduct	*-26.61*	
		For >20 To 40, Deduct	*-48.78*	
		For >40, Deduct	*-102.01*	
26 56 13 00-0347	EA	16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial	825.97	176.30
		For Bronze Or Satin Anodized Finish, Add	*47.34*	
		For Black Anodized Finish, Add	*94.67*	
		For >10 To 20, Deduct	*-27.75*	
		For >20 To 40, Deduct	*-50.77*	
		For >40, Deduct	*-106.27*	
26 56 13 00-0348	EA	18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	941.41	190.99
		For Bronze Or Satin Anodized Finish, Add	*55.94*	
		For Black Anodized Finish, Add	*111.88*	
		For >10 To 20, Deduct	*-31.93*	
		For >20 To 40, Deduct	*-58.26*	
		For >40, Deduct	*-122.11*	
26 56 13 00-0349	EA	20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,006.99	205.68
		For Bronze Or Satin Anodized Finish, Add	*59.56*	
		For Black Anodized Finish, Add	*119.12*	
		For >10 To 20, Deduct	*-34.11*	
		For >20 To 40, Deduct	*-62.26*	
		For >40, Deduct	*-130.48*	
26 56 13 00-0350	EA	20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,158.58	205.68
		For Bronze Or Satin Anodized Finish, Add	*74.72*	
		For Black Anodized Finish, Add	*149.44*	
		For >10 To 20, Deduct	*-40.17*	
		For >20 To 40, Deduct	*-72.87*	
		For >40, Deduct	*-153.22*	
26 56 13 00-0351	EA	25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,411.96	235.07
		For Bronze Or Satin Anodized Finish, Add	*94.18*	
		For Black Anodized Finish, Add	*188.36*	
		For >10 To 20, Deduct	*-49.43*	
		For >20 To 40, Deduct	*-89.43*	
		For >40, Deduct	*-188.29*	
26 56 13 00-0352	EA	30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,601.79	264.45
		For Bronze Or Satin Anodized Finish, Add	*107.29*	
		For Black Anodized Finish, Add	*214.58*	
		For >10 To 20, Deduct	*-56.14*	
		For >20 To 40, Deduct	*-101.55*	
		For >40, Deduct	*-213.82*	
26 56 13 00-0353	EA	30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	1,780.76	264.45
		For Bronze Or Satin Anodized Finish, Add	*125.19*	
		For Black Anodized Finish, Add	*250.37*	
		For >10 To 20, Deduct	*-63.30*	
		For >20 To 40, Deduct	*-114.08*	
		For >40, Deduct	*-240.67*	
26 56 13 00-0354		Round Tapered, Aluminum Area Light Poles *(26 56 13 00-0294)*		
26 56 13 00-0355		Round Tapered, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0354)*		
26 56 13 00-0356	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	629.39	176.30
		For Bronze Or Satin Anodized Finish, Add	*27.68*	
		For Black Anodized Finish, Add	*55.36*	
		For >10 To 20, Deduct	*-19.89*	
		For >20 To 40, Deduct	*-37.01*	
		For >40, Deduct	*-76.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0357	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	710.65	205.68
		For Bronze Or Satin Anodized Finish, Add	*29.93*	
		For Black Anodized Finish, Add	*59.85*	
		For >10 To 20, Deduct	*-22.26*	
		For >20 To 40, Deduct	*-41.52*	
		For >40, Deduct	*-86.03*	
26 56 13 00-0358	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	791.91	235.07
		For Bronze Or Satin Anodized Finish, Add	*32.18*	
		For Black Anodized Finish, Add	*64.35*	
		For >10 To 20, Deduct	*-24.62*	
		For >20 To 40, Deduct	*-46.03*	
		For >40, Deduct	*-95.28*	
26 56 13 00-0359	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	881.97	264.45
		For Bronze Or Satin Anodized Finish, Add	*35.31*	
		For Black Anodized Finish, Add	*70.61*	
		For >10 To 20, Deduct	*-27.35*	
		For >20 To 40, Deduct	*-51.16*	
		For >40, Deduct	*-105.85*	
26 56 13 00-0360	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	971.06	293.84
		For Bronze Or Satin Anodized Finish, Add	*38.34*	
		For Black Anodized Finish, Add	*76.68*	
		For >10 To 20, Deduct	*-30.03*	
		For >20 To 40, Deduct	*-56.22*	
		For >40, Deduct	*-116.28*	
26 56 13 00-0361	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	736.08	205.68
		For Bronze Or Satin Anodized Finish, Add	*32.47*	
		For Black Anodized Finish, Add	*64.94*	
		For >10 To 20, Deduct	*-23.27*	
		For >20 To 40, Deduct	*-43.30*	
		For >40, Deduct	*-89.84*	
26 56 13 00-0362	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	832.00	235.07
		For Bronze Or Satin Anodized Finish, Add	*36.19*	
		For Black Anodized Finish, Add	*72.37*	
		For >10 To 20, Deduct	*-26.23*	
		For >20 To 40, Deduct	*-48.84*	
		For >40, Deduct	*-101.29*	
26 56 13 00-0363	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	925.00	264.45
		For Bronze Or Satin Anodized Finish, Add	*39.61*	
		For Black Anodized Finish, Add	*79.22*	
		For >10 To 20, Deduct	*-29.07*	
		For >20 To 40, Deduct	*-54.17*	
		For >40, Deduct	*-112.30*	
26 56 13 00-0364	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,104.16	323.22
		For Bronze Or Satin Anodized Finish, Add	*45.77*	
		For Black Anodized Finish, Add	*91.54*	
		For >10 To 20, Deduct	*-34.47*	
		For >20 To 40, Deduct	*-64.36*	
		For >40, Deduct	*-133.30*	
26 56 13 00-0365	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,187.38	352.61
		For Bronze Or Satin Anodized Finish, Add	*48.22*	
		For Black Anodized Finish, Add	*96.43*	
		For >10 To 20, Deduct	*-36.92*	
		For >20 To 40, Deduct	*-69.01*	
		For >40, Deduct	*-142.85*	
26 56 13 00-0366	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	868.19	235.07
		For Bronze Or Satin Anodized Finish, Add	*39.81*	
		For Black Anodized Finish, Add	*79.61*	
		For >10 To 20, Deduct	*-27.68*	
		For >20 To 40, Deduct	*-51.37*	
		For >40, Deduct	*-106.72*	
26 56 13 00-0367	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	967.06	264.45
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-30.75*	
		For >20 To 40, Deduct	*-57.12*	
		For >40, Deduct	*-118.61*	
26 56 13 00-0368	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,072.77	293.84
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-34.10*	
		For >20 To 40, Deduct	*-63.34*	
		For >40, Deduct	*-131.53*	
26 56 13 00-0369	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,160.88	323.22
		For Bronze Or Satin Anodized Finish, Add	*51.44*	
		For Black Anodized Finish, Add	*102.89*	
		For >10 To 20, Deduct	*-36.74*	
		For >20 To 40, Deduct	*-68.33*	
		For >40, Deduct	*-141.81*	
26 56 13 00-0370	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,262.69	352.61
		For Bronze Or Satin Anodized Finish, Add	*55.75*	
		For Black Anodized Finish, Add	*111.49*	
		For >10 To 20, Deduct	*-39.93*	
		For >20 To 40, Deduct	*-74.28*	
		For >40, Deduct	*-154.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0371	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,168.62	293.84
		For Bronze Or Satin Anodized Finish, Add	*58.09*	
		For Black Anodized Finish, Add	*116.19*	
		For >10 To 20, Deduct	*-37.93*	
		For >20 To 40, Deduct	*-70.05*	
		For >40, Deduct	*-145.91*	
26 56 13 00-0372	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,283.13	323.22
		For Bronze Or Satin Anodized Finish, Add	*63.67*	
		For Black Anodized Finish, Add	*127.34*	
		For >10 To 20, Deduct	*-41.63*	
		For >20 To 40, Deduct	*-76.89*	
		For >40, Deduct	*-160.15*	
26 56 13 00-0373	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,357.55	352.61
		For Bronze Or Satin Anodized Finish, Add	*65.23*	
		For Black Anodized Finish, Add	*130.47*	
		For >10 To 20, Deduct	*-43.72*	
		For >20 To 40, Deduct	*-80.92*	
		For >40, Deduct	*-168.37*	
26 56 13 00-0374	EA	23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,562.13	411.38
		For Bronze Or Satin Anodized Finish, Add	*73.94*	
		For Black Anodized Finish, Add	*147.88*	
		For >10 To 20, Deduct	*-50.14*	
		For >20 To 40, Deduct	*-92.89*	
		For >40, Deduct	*-193.18*	
26 56 13 00-0375	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,772.57	470.14
		For Bronze Or Satin Anodized Finish, Add	*83.23*	
		For Black Anodized Finish, Add	*166.46*	
		For >10 To 20, Deduct	*-56.80*	
		For >20 To 40, Deduct	*-105.27*	
		For >40, Deduct	*-218.87*	
26 56 13 00-0376	EA	18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,378.98	323.22
		For Bronze Or Satin Anodized Finish, Add	*73.25*	
		For Black Anodized Finish, Add	*146.51*	
		For >10 To 20, Deduct	*-45.46*	
		For >20 To 40, Deduct	*-83.60*	
		For >40, Deduct	*-174.52*	
26 56 13 00-0377	EA	20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,473.94	352.61
		For Bronze Or Satin Anodized Finish, Add	*76.87*	
		For Black Anodized Finish, Add	*153.74*	
		For >10 To 20, Deduct	*-48.38*	
		For >20 To 40, Deduct	*-89.07*	
		For >40, Deduct	*-185.83*	
26 56 13 00-0378	EA	23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,654.06	411.38
		For Bronze Or Satin Anodized Finish, Add	*83.13*	
		For Black Anodized Finish, Add	*166.26*	
		For >10 To 20, Deduct	*-53.82*	
		For >20 To 40, Deduct	*-99.33*	
		For >40, Deduct	*-206.97*	
26 56 13 00-0379	EA	25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,842.98	470.14
		For Bronze Or Satin Anodized Finish, Add	*90.27*	
		For Black Anodized Finish, Add	*180.54*	
		For >10 To 20, Deduct	*-59.62*	
		For >20 To 40, Deduct	*-110.20*	
		For >40, Deduct	*-229.43*	
26 56 13 00-0380	EA	28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,980.97	499.52
		For Bronze Or Satin Anodized Finish, Add	*98.19*	
		For Black Anodized Finish, Add	*196.38*	
		For >10 To 20, Deduct	*-64.25*	
		For >20 To 40, Deduct	*-118.69*	
		For >40, Deduct	*-247.19*	
26 56 13 00-0381	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,120.92	528.91
		For Bronze Or Satin Anodized Finish, Add	*106.31*	
		For Black Anodized Finish, Add	*212.62*	
		For >10 To 20, Deduct	*-68.97*	
		For >20 To 40, Deduct	*-127.31*	
		For >40, Deduct	*-265.25*	
26 56 13 00-0382	EA	23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,745.01	411.38
		For Bronze Or Satin Anodized Finish, Add	*92.23*	
		For Black Anodized Finish, Add	*184.45*	
		For >10 To 20, Deduct	*-57.46*	
		For >20 To 40, Deduct	*-105.70*	
		For >40, Deduct	*-220.61*	
26 56 13 00-0383	EA	25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,903.62	470.14
		For Bronze Or Satin Anodized Finish, Add	*96.33*	
		For Black Anodized Finish, Add	*192.67*	
		For >10 To 20, Deduct	*-62.04*	
		For >20 To 40, Deduct	*-114.45*	
		For >40, Deduct	*-238.53*	
26 56 13 00-0384	EA	28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,046.50	499.52
		For Bronze Or Satin Anodized Finish, Add	*104.75*	
		For Black Anodized Finish, Add	*209.49*	
		For >10 To 20, Deduct	*-66.87*	
		For >20 To 40, Deduct	*-123.27*	
		For >40, Deduct	*-257.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0385	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,222.63	528.91
		For Bronze Or Satin Anodized Finish, Add	*116.48*	
		For Black Anodized Finish, Add	*232.96*	
		For >10 To 20, Deduct	*-73.04*	
		For >20 To 40, Deduct	*-134.43*	
		For >40, Deduct	*-280.50*	
26 56 13 00-0386	EA	33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,296.02	543.60
		For Bronze Or Satin Anodized Finish, Add	*120.88*	
		For Black Anodized Finish, Add	*241.76*	
		For >10 To 20, Deduct	*-75.53*	
		For >20 To 40, Deduct	*-138.98*	
		For >40, Deduct	*-290.04*	
26 56 13 00-0387	EA	35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,443.74	558.29
		For Bronze Or Satin Anodized Finish, Add	*132.72*	
		For Black Anodized Finish, Add	*265.43*	
		For >10 To 20, Deduct	*-81.00*	
		For >20 To 40, Deduct	*-148.73*	
		For >40, Deduct	*-310.73*	
26 56 13 00-0388	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	908.29	235.07
		For Bronze Or Satin Anodized Finish, Add	*43.82*	
		For Black Anodized Finish, Add	*87.63*	
		For >10 To 20, Deduct	*-29.28*	
		For >20 To 40, Deduct	*-54.18*	
		For >40, Deduct	*-112.74*	
26 56 13 00-0389	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,014.00	264.45
		For Bronze Or Satin Anodized Finish, Add	*48.51*	
		For Black Anodized Finish, Add	*97.02*	
		For >10 To 20, Deduct	*-32.63*	
		For >20 To 40, Deduct	*-60.40*	
		For >40, Deduct	*-125.65*	
26 56 13 00-0390	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,123.63	293.84
		For Bronze Or Satin Anodized Finish, Add	*53.60*	
		For Black Anodized Finish, Add	*107.19*	
		For >10 To 20, Deduct	*-36.13*	
		For >20 To 40, Deduct	*-66.90*	
		For >40, Deduct	*-139.16*	
26 56 13 00-0391	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,222.50	323.22
		For Bronze Or Satin Anodized Finish, Add	*57.61*	
		For Black Anodized Finish, Add	*115.21*	
		For >10 To 20, Deduct	*-39.20*	
		For >20 To 40, Deduct	*-72.65*	
		For >40, Deduct	*-151.05*	
26 56 13 00-0392	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,320.39	352.61
		For Bronze Or Satin Anodized Finish, Add	*61.52*	
		For Black Anodized Finish, Add	*123.03*	
		For >10 To 20, Deduct	*-42.24*	
		For >20 To 40, Deduct	*-78.32*	
		For >40, Deduct	*-162.80*	
26 56 13 00-0393	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,230.23	293.84
		For Bronze Or Satin Anodized Finish, Add	*64.26*	
		For Black Anodized Finish, Add	*128.51*	
		For >10 To 20, Deduct	*-40.39*	
		For >20 To 40, Deduct	*-74.36*	
		For >40, Deduct	*-155.15*	
26 56 13 00-0394	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,347.68	323.22
		For Bronze Or Satin Anodized Finish, Add	*70.12*	
		For Black Anodized Finish, Add	*140.25*	
		For >10 To 20, Deduct	*-44.21*	
		For >20 To 40, Deduct	*-81.41*	
		For >40, Deduct	*-169.83*	
26 56 13 00-0395	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,434.82	352.61
		For Bronze Or Satin Anodized Finish, Add	*72.96*	
		For Black Anodized Finish, Add	*145.92*	
		For >10 To 20, Deduct	*-46.81*	
		For >20 To 40, Deduct	*-86.33*	
		For >40, Deduct	*-179.96*	
26 56 13 00-0396	EA	23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,634.50	411.38
		For Bronze Or Satin Anodized Finish, Add	*81.18*	
		For Black Anodized Finish, Add	*162.35*	
		For >10 To 20, Deduct	*-53.04*	
		For >20 To 40, Deduct	*-97.96*	
		For >40, Deduct	*-204.04*	
26 56 13 00-0397	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,840.05	470.14
		For Bronze Or Satin Anodized Finish, Add	*89.98*	
		For Black Anodized Finish, Add	*179.95*	
		For >10 To 20, Deduct	*-59.50*	
		For >20 To 40, Deduct	*-110.00*	
		For >40, Deduct	*-228.99*	
26 56 13 00-0398	EA	23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,855.53	411.38
		For Bronze Or Satin Anodized Finish, Add	*103.28*	
		For Black Anodized Finish, Add	*206.56*	
		For >10 To 20, Deduct	*-61.88*	
		For >20 To 40, Deduct	*-113.43*	
		For >40, Deduct	*-237.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0399	EA	25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,050.32	470.14
		For Bronze Or Satin Anodized Finish, Add	*111.00*	
		For Black Anodized Finish, Add	*222.01*	
		For >10 To 20, Deduct	*-67.91*	
		For >20 To 40, Deduct	*-124.72*	
		For >40, Deduct	*-260.53*	
26 56 13 00-0400	EA	28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,204.94	499.52
		For Bronze Or Satin Anodized Finish, Add	*120.59*	
		For Black Anodized Finish, Add	*241.18*	
		For >10 To 20, Deduct	*-73.21*	
		For >20 To 40, Deduct	*-134.36*	
		For >40, Deduct	*-280.79*	
26 56 13 00-0401	EA	30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,342.93	528.91
		For Bronze Or Satin Anodized Finish, Add	*128.51*	
		For Black Anodized Finish, Add	*257.02*	
		For >10 To 20, Deduct	*-77.85*	
		For >20 To 40, Deduct	*-142.85*	
		For >40, Deduct	*-298.55*	
26 56 13 00-0402	EA	33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,467.17	543.60
		For Bronze Or Satin Anodized Finish, Add	*138.00*	
		For Black Anodized Finish, Add	*275.99*	
		For >10 To 20, Deduct	*-82.38*	
		For >20 To 40, Deduct	*-150.96*	
		For >40, Deduct	*-315.72*	
26 56 13 00-0403	EA	35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,575.77	558.29
		For Bronze Or Satin Anodized Finish, Add	*145.92*	
		For Black Anodized Finish, Add	*291.84*	
		For >10 To 20, Deduct	*-86.28*	
		For >20 To 40, Deduct	*-157.97*	
		For >40, Deduct	*-330.54*	
26 56 13 00-0404	EA	37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,668.73	572.98
		For Bronze Or Satin Anodized Finish, Add	*152.28*	
		For Black Anodized Finish, Add	*304.55*	
		For >10 To 20, Deduct	*-89.56*	
		For >20 To 40, Deduct	*-163.89*	
		For >40, Deduct	*-343.01*	
26 56 13 00-0405	EA	39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,835.03	587.68
		For Bronze Or Satin Anodized Finish, Add	*165.97*	
		For Black Anodized Finish, Add	*331.94*	
		For >10 To 20, Deduct	*-95.77*	
		For >20 To 40, Deduct	*-174.95*	
		For >40, Deduct	*-366.49*	
26 56 13 00-0406	EA	28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,627.44	499.52
		For Bronze Or Satin Anodized Finish, Add	*162.84*	
		For Black Anodized Finish, Add	*325.68*	
		For >10 To 20, Deduct	*-90.11*	
		For >20 To 40, Deduct	*-163.94*	
		For >40, Deduct	*-344.16*	
26 56 13 00-0407	EA	30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,831.93	528.91
		For Bronze Or Satin Anodized Finish, Add	*177.41*	
		For Black Anodized Finish, Add	*354.82*	
		For >10 To 20, Deduct	*-97.41*	
		For >20 To 40, Deduct	*-177.08*	
		For >40, Deduct	*-371.90*	
26 56 13 00-0408	EA	33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,975.74	543.60
		For Bronze Or Satin Anodized Finish, Add	*188.85*	
		For Black Anodized Finish, Add	*377.71*	
		For >10 To 20, Deduct	*-102.72*	
		For >20 To 40, Deduct	*-186.56*	
		For >40, Deduct	*-392.00*	
26 56 13 00-0409	EA	35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,085.31	558.29
		For Bronze Or Satin Anodized Finish, Add	*196.87*	
		For Black Anodized Finish, Add	*393.75*	
		For >10 To 20, Deduct	*-106.66*	
		For >20 To 40, Deduct	*-193.64*	
		For >40, Deduct	*-406.97*	
26 56 13 00-0410	EA	37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,146.98	572.98
		For Bronze Or Satin Anodized Finish, Add	*200.10*	
		For Black Anodized Finish, Add	*400.20*	
		For >10 To 20, Deduct	*-108.69*	
		For >20 To 40, Deduct	*-197.37*	
		For >40, Deduct	*-414.75*	
26 56 13 00-0411	EA	39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,329.91	587.68
		For Bronze Or Satin Anodized Finish, Add	*215.46*	
		For Black Anodized Finish, Add	*430.91*	
		For >10 To 20, Deduct	*-115.57*	
		For >20 To 40, Deduct	*-209.59*	
		For >40, Deduct	*-440.72*	
26 56 13 00-0412	EA	28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,493.45	499.52
		For Bronze Or Satin Anodized Finish, Add	*149.44*	
		For Black Anodized Finish, Add	*298.88*	
		For >10 To 20, Deduct	*-84.75*	
		For >20 To 40, Deduct	*-154.56*	
		For >40, Deduct	*-324.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0413	EA	30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,680.34	528.91
		For Bronze Or Satin Anodized Finish, Add	*162.25*	
		For Black Anodized Finish, Add	*324.50*	
		For >10 To 20, Deduct	*-91.35*	
		For >20 To 40, Deduct	*-166.47*	
		For >40, Deduct	*-349.16*	
26 56 13 00-0414	EA	33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,753.73	543.60
		For Bronze Or Satin Anodized Finish, Add	*166.65*	
		For Black Anodized Finish, Add	*333.31*	
		For >10 To 20, Deduct	*-93.84*	
		For >20 To 40, Deduct	*-171.02*	
		For >40, Deduct	*-358.70*	
26 56 13 00-0415	EA	35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,939.59	558.29
		For Bronze Or Satin Anodized Finish, Add	*182.30*	
		For Black Anodized Finish, Add	*364.60*	
		For >10 To 20, Deduct	*-100.83*	
		For >20 To 40, Deduct	*-183.44*	
		For >40, Deduct	*-385.11*	
26 56 13 00-0416	EA	37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,031.57	572.98
		For Bronze Or Satin Anodized Finish, Add	*188.56*	
		For Black Anodized Finish, Add	*377.12*	
		For >10 To 20, Deduct	*-104.07*	
		For >20 To 40, Deduct	*-189.29*	
		For >40, Deduct	*-397.44*	
26 56 13 00-0417	EA	39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,215.48	587.68
		For Bronze Or Satin Anodized Finish, Add	*204.01*	
		For Black Anodized Finish, Add	*408.03*	
		For >10 To 20, Deduct	*-110.99*	
		For >20 To 40, Deduct	*-201.58*	
		For >40, Deduct	*-423.55*	
26 56 13 00-0418	EA	28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,105.68	499.52
		For Bronze Or Satin Anodized Finish, Add	*210.66*	
		For Black Anodized Finish, Add	*421.33*	
		For >10 To 20, Deduct	*-109.24*	
		For >20 To 40, Deduct	*-197.42*	
		For >40, Deduct	*-415.90*	
26 56 13 00-0419	EA	30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,283.77	528.91
		For Bronze Or Satin Anodized Finish, Add	*222.60*	
		For Black Anodized Finish, Add	*445.19*	
		For >10 To 20, Deduct	*-115.48*	
		For >20 To 40, Deduct	*-208.71*	
		For >40, Deduct	*-439.67*	
26 56 13 00-0420	EA	33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,429.53	543.60
		For Bronze Or Satin Anodized Finish, Add	*234.23*	
		For Black Anodized Finish, Add	*468.47*	
		For >10 To 20, Deduct	*-120.87*	
		For >20 To 40, Deduct	*-218.32*	
		For >40, Deduct	*-460.07*	
26 56 13 00-0421	EA	35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,654.52	558.29
		For Bronze Or Satin Anodized Finish, Add	*253.79*	
		For Black Anodized Finish, Add	*507.59*	
		For >10 To 20, Deduct	*-129.43*	
		For >20 To 40, Deduct	*-233.48*	
		For >40, Deduct	*-492.35*	
26 56 13 00-0422	EA	37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,705.42	572.98
		For Bronze Or Satin Anodized Finish, Add	*255.95*	
		For Black Anodized Finish, Add	*511.89*	
		For >10 To 20, Deduct	*-131.03*	
		For >20 To 40, Deduct	*-236.46*	
		For >40, Deduct	*-498.51*	
26 56 13 00-0423	EA	39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,929.43	587.68
		For Bronze Or Satin Anodized Finish, Add	*275.41*	
		For Black Anodized Finish, Add	*550.82*	
		For >10 To 20, Deduct	*-139.55*	
		For >20 To 40, Deduct	*-251.55*	
		For >40, Deduct	*-530.65*	
26 56 13 00-0424	EA	48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,969.92	881.51
		For Bronze Or Satin Anodized Finish, Add	*320.69*	
		For Black Anodized Finish, Add	*641.38*	
		For >10 To 20, Deduct	*-172.35*	
		For >20 To 40, Deduct	*-312.63*	
		For >40, Deduct	*-657.34*	
26 56 13 00-0425	EA	50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	5,091.20	881.51
		For Bronze Or Satin Anodized Finish, Add	*332.82*	
		For Black Anodized Finish, Add	*665.63*	
		For >10 To 20, Deduct	*-177.20*	
		For >20 To 40, Deduct	*-321.12*	
		For >40, Deduct	*-675.53*	
26 56 13 00-0426		**Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base** *(26 56 13 00-0354)*		
26 56 13 00-0427	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	839.66	176.30
		For Bronze, Satin Or Black Anodized Finish, Add	*73.06*	
		For >10 To 20, Deduct	*-28.30*	
		For >20 To 40, Deduct	*-51.72*	
		For >40, Deduct	*-108.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0428	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	918.97	205.68
		For Bronze, Satin Or Black Anodized Finish, Add	*76.14*	
		For >10 To 20, Deduct	*-30.59*	
		For >20 To 40, Deduct	*-56.10*	
		For >40, Deduct	*-117.28*	
26 56 13 00-0429	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	999.24	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*79.37*	
		For >10 To 20, Deduct	*-32.92*	
		For >20 To 40, Deduct	*-60.54*	
		For >40, Deduct	*-126.38*	
26 56 13 00-0430	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,081.49	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*82.89*	
		For >10 To 20, Deduct	*-35.33*	
		For >20 To 40, Deduct	*-65.13*	
		For >40, Deduct	*-135.78*	
26 56 13 00-0431	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,162.75	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*86.26*	
		For >10 To 20, Deduct	*-37.69*	
		For >20 To 40, Deduct	*-69.64*	
		For >40, Deduct	*-145.03*	
26 56 13 00-0432	EA	10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	930.70	205.68
		For Bronze, Satin Or Black Anodized Finish, Add	*77.90*	
		For >10 To 20, Deduct	*-31.06*	
		For >20 To 40, Deduct	*-56.92*	
		For >40, Deduct	*-119.04*	
26 56 13 00-0433	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,012.94	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*81.42*	
		For >10 To 20, Deduct	*-33.47*	
		For >20 To 40, Deduct	*-61.50*	
		For >40, Deduct	*-128.43*	
26 56 13 00-0434	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,097.13	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*85.23*	
		For >10 To 20, Deduct	*-35.95*	
		For >20 To 40, Deduct	*-66.22*	
		For >40, Deduct	*-138.12*	
26 56 13 00-0435	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,180.35	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*88.90*	
		For >10 To 20, Deduct	*-38.40*	
		For >20 To 40, Deduct	*-70.87*	
		For >40, Deduct	*-147.67*	
26 56 13 00-0436	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,276.29	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*94.48*	
		For >10 To 20, Deduct	*-41.35*	
		For >20 To 40, Deduct	*-76.41*	
		For >40, Deduct	*-159.12*	
26 56 13 00-0437	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,363.42	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*98.73*	
		For >10 To 20, Deduct	*-43.96*	
		For >20 To 40, Deduct	*-81.34*	
		For >40, Deduct	*-169.25*	
26 56 13 00-0438	EA	12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,051.08	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*87.14*	
		For >10 To 20, Deduct	*-34.99*	
		For >20 To 40, Deduct	*-64.17*	
		For >40, Deduct	*-134.16*	
26 56 13 00-0439	EA	14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,140.17	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-37.67*	
		For >20 To 40, Deduct	*-69.23*	
		For >40, Deduct	*-144.58*	
26 56 13 00-0440	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,240.99	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*98.00*	
		For >10 To 20, Deduct	*-40.82*	
		For >20 To 40, Deduct	*-75.12*	
		For >40, Deduct	*-156.76*	
26 56 13 00-0441	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,332.03	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*102.84*	
		For >10 To 20, Deduct	*-43.58*	
		For >20 To 40, Deduct	*-80.31*	
		For >40, Deduct	*-167.48*	
26 56 13 00-0442	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,435.79	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*109.59*	
		For >10 To 20, Deduct	*-46.85*	
		For >20 To 40, Deduct	*-86.40*	
		For >40, Deduct	*-180.11*	
26 56 13 00-0443	EA	16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,296.74	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-43.05*	
		For >20 To 40, Deduct	*-79.02*	
		For >40, Deduct	*-165.13*	
26 56 13 00-0444	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,407.34	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*114.13*	
		For >10 To 20, Deduct	*-46.60*	
		For >20 To 40, Deduct	*-85.58*	
		For >40, Deduct	*-178.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0445	EA	20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,496.43	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*118.68*	
		For >10 To 20, Deduct	*-49.28*	
		For >20 To 40, Deduct	*-90.65*	
		For >40, Deduct	*-189.20*	
26 56 13 00-0446	EA	12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,081.40	235.07
		For Bronze, Satin Or Black Anodized Finish, Add	*91.69*	
		For >10 To 20, Deduct	*-36.20*	
		For >20 To 40, Deduct	*-66.30*	
		For >40, Deduct	*-138.70*	
26 56 13 00-0447	EA	14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,186.13	264.45
		For Bronze, Satin Or Black Anodized Finish, Add	*98.58*	
		For >10 To 20, Deduct	*-39.51*	
		For >20 To 40, Deduct	*-72.45*	
		For >40, Deduct	*-151.47*	
26 56 13 00-0448	EA	16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,296.74	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*106.36*	
		For >10 To 20, Deduct	*-43.05*	
		For >20 To 40, Deduct	*-79.02*	
		For >40, Deduct	*-165.13*	
26 56 13 00-0449	EA	18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,395.61	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*112.37*	
		For >10 To 20, Deduct	*-46.13*	
		For >20 To 40, Deduct	*-84.76*	
		For >40, Deduct	*-177.02*	
26 56 13 00-0450	EA	20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,501.32	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*119.42*	
		For >10 To 20, Deduct	*-49.47*	
		For >20 To 40, Deduct	*-90.99*	
		For >40, Deduct	*-189.94*	
26 56 13 00-0451	EA	16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,360.31	293.84
		For Bronze, Satin Or Black Anodized Finish, Add	*115.89*	
		For >10 To 20, Deduct	*-45.60*	
		For >20 To 40, Deduct	*-83.47*	
		For >40, Deduct	*-174.66*	
26 56 13 00-0452	EA	18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,478.74	323.22
		For Bronze, Satin Or Black Anodized Finish, Add	*124.84*	
		For >10 To 20, Deduct	*-49.45*	
		For >20 To 40, Deduct	*-90.58*	
		For >40, Deduct	*-189.49*	
26 56 13 00-0453	EA	20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base	1,572.71	352.61
		For Bronze, Satin Or Black Anodized Finish, Add	*130.12*	
		For >10 To 20, Deduct	*-52.33*	
		For >20 To 40, Deduct	*-95.99*	
		For >40, Deduct	*-200.65*	

26 56 13 00-0454 Round Tapered, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0354)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0455	EA	8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	583.33	146.92
		For Bronze Or Satin Anodized Finish, Add	*28.95*	
		For Black Anodized Finish, Add	*57.90*	
		For >10 To 20, Deduct	*-18.93*	
		For >20 To 40, Deduct	*-34.96*	
		For >40, Deduct	*-72.81*	
26 56 13 00-0456	EA	10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	610.72	146.92
		For Bronze Or Satin Anodized Finish, Add	*31.69*	
		For Black Anodized Finish, Add	*63.38*	
		For >10 To 20, Deduct	*-20.02*	
		For >20 To 40, Deduct	*-36.87*	
		For >40, Deduct	*-76.92*	
26 56 13 00-0457	EA	12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	662.59	161.61
		For Bronze Or Satin Anodized Finish, Add	*33.94*	
		For Black Anodized Finish, Add	*67.87*	
		For >10 To 20, Deduct	*-21.66*	
		For >20 To 40, Deduct	*-39.92*	
		For >40, Deduct	*-83.23*	
26 56 13 00-0458	EA	14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	707.63	176.30
		For Bronze Or Satin Anodized Finish, Add	*35.50*	
		For Black Anodized Finish, Add	*71.00*	
		For >10 To 20, Deduct	*-23.02*	
		For >20 To 40, Deduct	*-42.48*	
		For >40, Deduct	*-88.51*	
26 56 13 00-0459	EA	16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	742.84	176.30
		For Bronze Or Satin Anodized Finish, Add	*39.02*	
		For Black Anodized Finish, Add	*78.05*	
		For >10 To 20, Deduct	*-24.42*	
		For >20 To 40, Deduct	*-44.95*	
		For >40, Deduct	*-93.80*	
26 56 13 00-0460	EA	12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	689.00	161.61
		For Bronze Or Satin Anodized Finish, Add	*36.58*	
		For Black Anodized Finish, Add	*73.16*	
		For >10 To 20, Deduct	*-22.71*	
		For >20 To 40, Deduct	*-41.77*	
		For >40, Deduct	*-87.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0461	EA	14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	745.77	176.30
		For Bronze Or Satin Anodized Finish, Add	*39.32*	
		For Black Anodized Finish, Add	*78.63*	
		For >10 To 20, Deduct	*-24.54*	
		For >20 To 40, Deduct	*-45.15*	
		For >40, Deduct	*-94.24*	
26 56 13 00-0462	EA	16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	765.33	176.30
		For Bronze Or Satin Anodized Finish, Add	*41.27*	
		For Black Anodized Finish, Add	*82.54*	
		For >10 To 20, Deduct	*-25.32*	
		For >20 To 40, Deduct	*-46.52*	
		For >40, Deduct	*-97.17*	
26 56 13 00-0463	EA	18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	826.01	190.99
		For Bronze Or Satin Anodized Finish, Add	*44.40*	
		For Black Anodized Finish, Add	*88.80*	
		For >10 To 20, Deduct	*-27.31*	
		For >20 To 40, Deduct	*-50.18*	
		For >40, Deduct	*-104.80*	
26 56 13 00-0464	EA	20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	882.78	205.68
		For Bronze Or Satin Anodized Finish, Add	*47.14*	
		For Black Anodized Finish, Add	*94.28*	
		For >10 To 20, Deduct	*-29.14*	
		For >20 To 40, Deduct	*-53.57*	
		For >40, Deduct	*-111.85*	
26 56 13 00-0465	EA	16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	822.05	176.30
		For Bronze Or Satin Anodized Finish, Add	*46.94*	
		For Black Anodized Finish, Add	*93.89*	
		For >10 To 20, Deduct	*-27.59*	
		For >20 To 40, Deduct	*-50.49*	
		For >40, Deduct	*-105.68*	
26 56 13 00-0466	EA	18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	888.60	190.99
		For Bronze Or Satin Anodized Finish, Add	*50.66*	
		For Black Anodized Finish, Add	*101.32*	
		For >10 To 20, Deduct	*-29.81*	
		For >20 To 40, Deduct	*-54.56*	
		For >40, Deduct	*-114.19*	
26 56 13 00-0467	EA	20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	950.26	205.68
		For Bronze Or Satin Anodized Finish, Add	*53.89*	
		For Black Anodized Finish, Add	*107.78*	
		For >10 To 20, Deduct	*-31.84*	
		For >20 To 40, Deduct	*-58.29*	
		For >40, Deduct	*-121.97*	
26 56 13 00-0468	EA	18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	968.80	190.99
		For Bronze Or Satin Anodized Finish, Add	*58.68*	
		For Black Anodized Finish, Add	*117.36*	
		For >10 To 20, Deduct	*-33.02*	
		For >20 To 40, Deduct	*-60.18*	
		For >40, Deduct	*-126.22*	
26 56 13 00-0469	EA	25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,239.83	235.07
		For Bronze Or Satin Anodized Finish, Add	*76.97*	
		For Black Anodized Finish, Add	*153.94*	
		For >10 To 20, Deduct	*-42.54*	
		For >20 To 40, Deduct	*-77.39*	
		For >40, Deduct	*-162.47*	
26 56 13 00-0470	EA	25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,350.35	235.07
		For Bronze Or Satin Anodized Finish, Add	*88.02*	
		For Black Anodized Finish, Add	*176.04*	
		For >10 To 20, Deduct	*-46.96*	
		For >20 To 40, Deduct	*-85.12*	
		For >40, Deduct	*-179.05*	
26 56 13 00-0471	EA	30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,503.99	264.45
		For Bronze Or Satin Anodized Finish, Add	*97.51*	
		For Black Anodized Finish, Add	*195.02*	
		For >10 To 20, Deduct	*-52.23*	
		For >20 To 40, Deduct	*-94.70*	
		For >40, Deduct	*-199.15*	
26 56 13 00-0472	EA	30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,624.28	264.45
		For Bronze Or Satin Anodized Finish, Add	*109.54*	
		For Black Anodized Finish, Add	*219.07*	
		For >10 To 20, Deduct	*-57.04*	
		For >20 To 40, Deduct	*-103.12*	
		For >40, Deduct	*-217.20*	

26 56 13 00-0473 Square Straight, Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0474 Square Straight, Aluminum Area Light Poles, Anchor Base *(26 56 13 00-0473)*

26 56 13 00-0475	EA	8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	756.53	176.30
		For Bronze Or Satin Anodized Finish, Add	*40.39*	
		For Black Anodized Finish, Add	*80.78*	
		For >10 To 20, Deduct	*-24.97*	
		For >20 To 40, Deduct	*-45.90*	
		For >40, Deduct	*-95.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0476	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	835.84	205.68
		For Bronze Or Satin Anodized Finish, Add	*42.45*	
		For Black Anodized Finish, Add	*84.89*	
		For >10 To 20, Deduct	*-27.26*	
		For >20 To 40, Deduct	*-50.28*	
		For >40, Deduct	*-104.81*	
26 56 13 00-0477	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	922.96	235.07
		For Bronze Or Satin Anodized Finish, Add	*45.28*	
		For Black Anodized Finish, Add	*90.56*	
		For >10 To 20, Deduct	*-29.87*	
		For >20 To 40, Deduct	*-55.20*	
		For >40, Deduct	*-114.94*	
26 56 13 00-0478	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,009.11	264.45
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-32.43*	
		For >20 To 40, Deduct	*-60.06*	
		For >40, Deduct	*-124.92*	
26 56 13 00-0479	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,056.10	279.15
		For Bronze Or Satin Anodized Finish, Add	*49.78*	
		For Black Anodized Finish, Add	*99.56*	
		For >10 To 20, Deduct	*-33.87*	
		For >20 To 40, Deduct	*-62.76*	
		For >40, Deduct	*-130.50*	
26 56 13 00-0480	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,103.09	293.84
		For Bronze Or Satin Anodized Finish, Add	*51.54*	
		For Black Anodized Finish, Add	*103.08*	
		For >10 To 20, Deduct	*-35.31*	
		For >20 To 40, Deduct	*-65.46*	
		For >40, Deduct	*-136.08*	
26 56 13 00-0481	EA	18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,195.11	323.22
		For Bronze Or Satin Anodized Finish, Add	*54.87*	
		For Black Anodized Finish, Add	*109.73*	
		For >10 To 20, Deduct	*-38.11*	
		For >20 To 40, Deduct	*-70.73*	
		For >40, Deduct	*-146.94*	
26 56 13 00-0482	EA	20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,295.94	352.61
		For Bronze Or Satin Anodized Finish, Add	*59.07*	
		For Black Anodized Finish, Add	*118.14*	
		For >10 To 20, Deduct	*-41.26*	
		For >20 To 40, Deduct	*-76.61*	
		For >40, Deduct	*-159.13*	
26 56 13 00-0483	EA	16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,170.57	293.84
		For Bronze Or Satin Anodized Finish, Add	*58.29*	
		For Black Anodized Finish, Add	*116.58*	
		For >10 To 20, Deduct	*-38.01*	
		For >20 To 40, Deduct	*-70.19*	
		For >40, Deduct	*-146.20*	
26 56 13 00-0484	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,264.55	323.22
		For Bronze Or Satin Anodized Finish, Add	*61.81*	
		For Black Anodized Finish, Add	*123.62*	
		For >10 To 20, Deduct	*-40.89*	
		For >20 To 40, Deduct	*-75.59*	
		For >40, Deduct	*-157.36*	
26 56 13 00-0485	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,371.24	352.61
		For Bronze Or Satin Anodized Finish, Add	*66.60*	
		For Black Anodized Finish, Add	*133.20*	
		For >10 To 20, Deduct	*-44.27*	
		For >20 To 40, Deduct	*-81.88*	
		For >40, Deduct	*-170.43*	
26 56 13 00-0486	EA	15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,349.50	279.15
		For Bronze Or Satin Anodized Finish, Add	*79.12*	
		For Black Anodized Finish, Add	*158.24*	
		For >10 To 20, Deduct	*-45.61*	
		For >20 To 40, Deduct	*-83.30*	
		For >40, Deduct	*-174.51*	
26 56 13 00-0487	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,651.93	352.61
		For Bronze Or Satin Anodized Finish, Add	*94.67*	
		For Black Anodized Finish, Add	*189.34*	
		For >10 To 20, Deduct	*-55.50*	
		For >20 To 40, Deduct	*-101.53*	
		For >40, Deduct	*-212.53*	
26 56 13 00-0488	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,009.24	470.14
		For Bronze Or Satin Anodized Finish, Add	*106.90*	
		For Black Anodized Finish, Add	*213.79*	
		For >10 To 20, Deduct	*-66.27*	
		For >20 To 40, Deduct	*-121.84*	
		For >40, Deduct	*-254.37*	
26 56 13 00-0489	EA	20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,431.88	352.61
		For Bronze Or Satin Anodized Finish, Add	*72.67*	
		For Black Anodized Finish, Add	*145.33*	
		For >10 To 20, Deduct	*-46.70*	
		For >20 To 40, Deduct	*-86.13*	
		For >40, Deduct	*-179.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0490	EA	20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,770.27	352.61
		For Bronze Or Satin Anodized Finish, Add	*106.51*	
		For Black Anodized Finish, Add	*213.01*	
		For >10 To 20, Deduct	*-60.23*	
		For >20 To 40, Deduct	*-109.81*	
		For >40, Deduct	*-230.28*	
26 56 13 00-0491	EA	25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,116.83	470.14
		For Bronze Or Satin Anodized Finish, Add	*117.66*	
		For Black Anodized Finish, Add	*235.31*	
		For >10 To 20, Deduct	*-70.57*	
		For >20 To 40, Deduct	*-129.37*	
		For >40, Deduct	*-270.51*	
26 56 13 00-0492	EA	20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,956.09	352.61
		For Bronze Or Satin Anodized Finish, Add	*125.09*	
		For Black Anodized Finish, Add	*250.17*	
		For >10 To 20, Deduct	*-67.67*	
		For >20 To 40, Deduct	*-122.82*	
		For >40, Deduct	*-258.15*	
26 56 13 00-0493	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,359.37	470.14
		For Bronze Or Satin Anodized Finish, Add	*141.91*	
		For Black Anodized Finish, Add	*283.82*	
		For >10 To 20, Deduct	*-80.27*	
		For >20 To 40, Deduct	*-146.35*	
		For >40, Deduct	*-306.89*	
26 56 13 00-0494	EA	30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,729.24	528.91
		For Bronze Or Satin Anodized Finish, Add	*167.14*	
		For Black Anodized Finish, Add	*334.28*	
		For >10 To 20, Deduct	*-93.30*	
		For >20 To 40, Deduct	*-169.89*	
		For >40, Deduct	*-356.50*	

26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial *(26 56 13 00-0473)*

Note: Includes rubberized undercoating on embedded portion.

26 56 13 00-0496	EA	10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	679.18	146.92
		For Bronze Or Satin Anodized Finish, Add	*38.53*	
		For Black Anodized Finish, Add	*77.07*	
		For >10 To 20, Deduct	*-22.76*	
		For >20 To 40, Deduct	*-41.67*	
		For >40, Deduct	*-87.19*	
26 56 13 00-0497	EA	12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	758.43	161.61
		For Bronze Or Satin Anodized Finish, Add	*43.52*	
		For Black Anodized Finish, Add	*87.04*	
		For >10 To 20, Deduct	*-25.49*	
		For >20 To 40, Deduct	*-46.63*	
		For >40, Deduct	*-97.60*	
26 56 13 00-0498	EA	14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	808.36	176.30
		For Bronze Or Satin Anodized Finish, Add	*45.58*	
		For Black Anodized Finish, Add	*91.15*	
		For >10 To 20, Deduct	*-27.05*	
		For >20 To 40, Deduct	*-49.53*	
		For >40, Deduct	*-103.62*	
26 56 13 00-0499	EA	15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	832.81	176.30
		For Bronze Or Satin Anodized Finish, Add	*48.02*	
		For Black Anodized Finish, Add	*96.04*	
		For >10 To 20, Deduct	*-28.02*	
		For >20 To 40, Deduct	*-51.24*	
		For >40, Deduct	*-107.29*	
26 56 13 00-0500	EA	16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial	863.13	176.30
		For Bronze Or Satin Anodized Finish, Add	*51.05*	
		For Black Anodized Finish, Add	*102.10*	
		For >10 To 20, Deduct	*-29.24*	
		For >20 To 40, Deduct	*-53.37*	
		For >40, Deduct	*-111.84*	
26 56 13 00-0501	EA	18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	996.18	190.99
		For Bronze Or Satin Anodized Finish, Add	*61.42*	
		For Black Anodized Finish, Add	*122.84*	
		For >10 To 20, Deduct	*-34.12*	
		For >20 To 40, Deduct	*-62.09*	
		For >40, Deduct	*-130.33*	
26 56 13 00-0502	EA	20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,067.62	205.68
		For Bronze Or Satin Anodized Finish, Add	*65.62*	
		For Black Anodized Finish, Add	*131.25*	
		For >10 To 20, Deduct	*-36.53*	
		For >20 To 40, Deduct	*-66.51*	
		For >40, Deduct	*-139.57*	
26 56 13 00-0503	EA	20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,221.17	205.68
		For Bronze Or Satin Anodized Finish, Add	*80.98*	
		For Black Anodized Finish, Add	*161.96*	
		For >10 To 20, Deduct	*-42.68*	
		For >20 To 40, Deduct	*-77.25*	
		For >40, Deduct	*-162.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0504	EA	25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial	1,403.16	235.07
		For Bronze Or Satin Anodized Finish, Add	*93.30*	
		For Black Anodized Finish, Add	*186.60*	
		For >10 To 20, Deduct	*-49.07*	
		For >20 To 40, Deduct	*-88.82*	
		For >40, Deduct	*-186.97*	
26 56 13 00-0505	EA	25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial	1,746.44	235.07
		For Bronze Or Satin Anodized Finish, Add	*127.63*	
		For Black Anodized Finish, Add	*255.26*	
		For >10 To 20, Deduct	*-62.81*	
		For >20 To 40, Deduct	*-112.85*	
		For >40, Deduct	*-238.46*	

26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles *(26 56 13 00-0294)*

26 56 13 00-0507	EA	1/2", 3/4" Or 1" Diameter, Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles	84.58	
26 56 13 00-0508	EA	Extra Handhole For Aluminum Area Light Poles	36.45	
26 56 13 00-0509	EA	Vibration Dampener For Aluminum Area Light Poles	127.96	

26 56 13 00-0510 Fiberglass Area Light Poles *(26 56 13 00-0177)*

Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.

26 56 13 00-0511 Round Tapered, Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0512 Round Tapered, Fiberglass Area Light Poles, Anchor Base *(26 56 13 00-0511)*

26 56 13 00-0513	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,192.33	205.68
		For >10 To 20, Deduct	*-41.52*	
		For >20 To 40, Deduct	*-75.24*	
		For >40, Deduct	*-158.28*	
26 56 13 00-0514	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,297.57	235.07
		For >10 To 20, Deduct	*-44.85*	
		For >20 To 40, Deduct	*-81.43*	
		For >40, Deduct	*-171.13*	
26 56 13 00-0515	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,404.15	264.45
		For >10 To 20, Deduct	*-48.23*	
		For >20 To 40, Deduct	*-87.71*	
		For >40, Deduct	*-184.18*	
26 56 13 00-0516	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,509.41	293.84
		For >10 To 20, Deduct	*-51.56*	
		For >20 To 40, Deduct	*-93.91*	
		For >40, Deduct	*-197.03*	
26 56 13 00-0517	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,638.57	323.22
		For >10 To 20, Deduct	*-55.85*	
		For >20 To 40, Deduct	*-101.77*	
		For >40, Deduct	*-213.46*	
26 56 13 00-0518	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,746.48	352.61
		For >10 To 20, Deduct	*-59.28*	
		For >20 To 40, Deduct	*-108.15*	
		For >40, Deduct	*-226.71*	
26 56 13 00-0519	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,911.82	411.38
		For >10 To 20, Deduct	*-64.13*	
		For >20 To 40, Deduct	*-117.37*	
		For >40, Deduct	*-245.64*	
26 56 13 00-0520	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,075.84	470.14
		For >10 To 20, Deduct	*-68.93*	
		For >20 To 40, Deduct	*-126.50*	
		For >40, Deduct	*-264.36*	
26 56 13 00-0521	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,183.42	470.14
		For >10 To 20, Deduct	*-73.23*	
		For >20 To 40, Deduct	*-134.03*	
		For >40, Deduct	*-280.50*	
26 56 13 00-0522	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,336.49	499.52
		For >10 To 20, Deduct	*-78.47*	
		For >20 To 40, Deduct	*-143.57*	
		For >40, Deduct	*-300.52*	
26 56 13 00-0523	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,489.55	528.91
		For >10 To 20, Deduct	*-83.71*	
		For >20 To 40, Deduct	*-153.11*	
		For >40, Deduct	*-320.54*	
26 56 13 00-0524	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,314.52	205.68
		For >10 To 20, Deduct	*-46.41*	
		For >20 To 40, Deduct	*-83.79*	
		For >40, Deduct	*-176.61*	
26 56 13 00-0525	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,395.85	235.07
		For >10 To 20, Deduct	*-48.78*	
		For >20 To 40, Deduct	*-88.31*	
		For >40, Deduct	*-185.87*	
26 56 13 00-0526	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,478.53	264.45
		For >10 To 20, Deduct	*-51.21*	
		For >20 To 40, Deduct	*-92.92*	
		For >40, Deduct	*-195.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0527	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,563.86	293.84
		For >10 To 20, Deduct	*-53.74*	
		For >20 To 40, Deduct	*-97.72*	
		For >40, Deduct	*-205.20*	
26 56 13 00-0528	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,655.84	323.22
		For >10 To 20, Deduct	*-56.54*	
		For >20 To 40, Deduct	*-102.98*	
		For >40, Deduct	*-216.05*	
26 56 13 00-0529	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,746.48	352.61
		For >10 To 20, Deduct	*-59.28*	
		For >20 To 40, Deduct	*-108.15*	
		For >40, Deduct	*-226.71*	
26 56 13 00-0530	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,895.89	411.38
		For >10 To 20, Deduct	*-63.49*	
		For >20 To 40, Deduct	*-116.26*	
		For >40, Deduct	*-243.25*	
26 56 13 00-0531	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,075.84	470.14
		For >10 To 20, Deduct	*-68.93*	
		For >20 To 40, Deduct	*-126.50*	
		For >40, Deduct	*-264.36*	
26 56 13 00-0532	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,121.00	470.14
		For >10 To 20, Deduct	*-70.74*	
		For >20 To 40, Deduct	*-129.66*	
		For >40, Deduct	*-271.14*	
26 56 13 00-0533	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,226.25	499.52
		For >10 To 20, Deduct	*-74.06*	
		For >20 To 40, Deduct	*-135.86*	
		For >40, Deduct	*-283.99*	
26 56 13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,331.51	528.91
		For >10 To 20, Deduct	*-77.39*	
		For >20 To 40, Deduct	*-142.05*	
		For >40, Deduct	*-296.84*	
26 56 13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,493.81	205.68
		For >10 To 20, Deduct	*-53.58*	
		For >20 To 40, Deduct	*-96.34*	
		For >40, Deduct	*-203.50*	
26 56 13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,593.75	235.07
		For >10 To 20, Deduct	*-56.70*	
		For >20 To 40, Deduct	*-102.16*	
		For >40, Deduct	*-215.56*	
26 56 13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,693.69	264.45
		For >10 To 20, Deduct	*-59.81*	
		For >20 To 40, Deduct	*-107.98*	
		For >40, Deduct	*-227.61*	
26 56 13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,794.96	293.84
		For >10 To 20, Deduct	*-62.98*	
		For >20 To 40, Deduct	*-113.89*	
		For >40, Deduct	*-239.86*	
26 56 13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	1,901.54	323.22
		For >10 To 20, Deduct	*-66.36*	
		For >20 To 40, Deduct	*-120.18*	
		For >40, Deduct	*-252.91*	
26 56 13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,016.09	352.61
		For >10 To 20, Deduct	*-70.07*	
		For >20 To 40, Deduct	*-127.02*	
		For >40, Deduct	*-267.15*	
26 56 13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,201.36	411.38
		For >10 To 20, Deduct	*-75.71*	
		For >20 To 40, Deduct	*-137.64*	
		For >40, Deduct	*-289.07*	
26 56 13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,387.95	470.14
		For >10 To 20, Deduct	*-81.41*	
		For >20 To 40, Deduct	*-148.35*	
		For >40, Deduct	*-311.18*	
26 56 13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,457.02	470.14
		For >10 To 20, Deduct	*-84.18*	
		For >20 To 40, Deduct	*-153.19*	
		For >40, Deduct	*-321.54*	
26 56 13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,624.69	499.52
		For >10 To 20, Deduct	*-90.00*	
		For >20 To 40, Deduct	*-163.75*	
		For >40, Deduct	*-343.75*	
26 56 13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,761.82	528.91
		For >10 To 20, Deduct	*-94.61*	
		For >20 To 40, Deduct	*-172.17*	
		For >40, Deduct	*-361.38*	
26 56 13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,869.56	543.60
		For >10 To 20, Deduct	*-98.47*	
		For >20 To 40, Deduct	*-179.13*	
		For >40, Deduct	*-376.07*	
26 56 13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base	2,977.30	558.29
		For >10 To 20, Deduct	*-102.34*	
		For >20 To 40, Deduct	*-186.08*	
		For >40, Deduct	*-390.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0548		Round Tapered, Fiberglass Area Light Poles, Direct Burial *(26 56 13 00-0511)*		
26 56 13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	740.10	146.92
		For >10 To 20, Deduct	*-25.20*	
		For >20 To 40, Deduct	*-45.93*	
		For >40, Deduct	*-96.32*	
26 56 13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	794.71	161.61
		For >10 To 20, Deduct	*-26.94*	
		For >20 To 40, Deduct	*-49.17*	
		For >40, Deduct	*-103.05*	
26 56 13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	848.01	176.30
		For >10 To 20, Deduct	*-28.63*	
		For >20 To 40, Deduct	*-52.31*	
		For >40, Deduct	*-109.57*	
26 56 13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	870.58	176.30
		For >10 To 20, Deduct	*-29.53*	
		For >20 To 40, Deduct	*-53.89*	
		For >40, Deduct	*-112.96*	
26 56 13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	937.15	190.99
		For >10 To 20, Deduct	*-31.76*	
		For >20 To 40, Deduct	*-57.96*	
		For >40, Deduct	*-121.47*	
26 56 13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	993.11	205.68
		For >10 To 20, Deduct	*-33.55*	
		For >20 To 40, Deduct	*-61.29*	
		For >40, Deduct	*-128.40*	
26 56 13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,053.03	220.38
		For >10 To 20, Deduct	*-35.51*	
		For >20 To 40, Deduct	*-64.90*	
		For >40, Deduct	*-135.92*	
26 56 13 00-0556	EA	24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,119.60	235.07
		For >10 To 20, Deduct	*-37.73*	
		For >20 To 40, Deduct	*-68.97*	
		For >40, Deduct	*-144.43*	
26 56 13 00-0557	EA	26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,247.10	235.07
		For >10 To 20, Deduct	*-42.83*	
		For >20 To 40, Deduct	*-77.89*	
		For >40, Deduct	*-163.56*	
26 56 13 00-0558	EA	28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,403.98	249.76
		For >10 To 20, Deduct	*-48.67*	
		For >20 To 40, Deduct	*-88.29*	
		For >40, Deduct	*-185.62*	
26 56 13 00-0559	EA	30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,560.87	264.45
		For >10 To 20, Deduct	*-54.50*	
		For >20 To 40, Deduct	*-98.68*	
		For >40, Deduct	*-207.69*	
26 56 13 00-0560	EA	10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	862.28	146.92
		For >10 To 20, Deduct	*-30.08*	
		For >20 To 40, Deduct	*-54.48*	
		For >40, Deduct	*-114.65*	
26 56 13 00-0561	EA	12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	923.54	161.61
		For >10 To 20, Deduct	*-32.09*	
		For >20 To 40, Deduct	*-58.18*	
		For >40, Deduct	*-122.37*	
26 56 13 00-0562	EA	14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	984.80	176.30
		For >10 To 20, Deduct	*-34.10*	
		For >20 To 40, Deduct	*-61.88*	
		For >40, Deduct	*-130.09*	
26 56 13 00-0563	EA	16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,018.01	176.30
		For >10 To 20, Deduct	*-35.43*	
		For >20 To 40, Deduct	*-64.21*	
		For >40, Deduct	*-135.07*	
26 56 13 00-0564	EA	18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,079.26	190.99
		For >10 To 20, Deduct	*-37.44*	
		For >20 To 40, Deduct	*-67.91*	
		For >40, Deduct	*-142.79*	
26 56 13 00-0565	EA	20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,140.53	205.68
		For >10 To 20, Deduct	*-39.45*	
		For >20 To 40, Deduct	*-71.61*	
		For >40, Deduct	*-150.51*	
26 56 13 00-0566	EA	22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,201.78	220.38
		For >10 To 20, Deduct	*-41.46*	
		For >20 To 40, Deduct	*-75.31*	
		For >40, Deduct	*-158.23*	
26 56 13 00-0567	EA	24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,293.59	235.07
		For >10 To 20, Deduct	*-44.69*	
		For >20 To 40, Deduct	*-81.15*	
		For >40, Deduct	*-170.53*	
26 56 13 00-0568	EA	26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,417.10	235.07
		For >10 To 20, Deduct	*-49.63*	
		For >20 To 40, Deduct	*-89.79*	
		For >40, Deduct	*-189.06*	
26 56 13 00-0569	EA	28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,571.33	249.76
		For >10 To 20, Deduct	*-55.36*	
		For >20 To 40, Deduct	*-100.00*	
		For >40, Deduct	*-210.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0570	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,724.24	264.45
		For >10 To 20, Deduct	*-61.04*	
		For >20 To 40, Deduct	*-110.12*	
		For >40, Deduct	*-232.19*	
26 56 13 00-0571	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	969.86	146.92
		For >10 To 20, Deduct	*-34.39*	
		For >20 To 40, Deduct	*-62.01*	
		For >40, Deduct	*-130.79*	
26 56 13 00-0572	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,023.15	161.61
		For >10 To 20, Deduct	*-36.08*	
		For >20 To 40, Deduct	*-65.16*	
		For >40, Deduct	*-137.31*	
26 56 13 00-0573	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,075.12	176.30
		For >10 To 20, Deduct	*-37.72*	
		For >20 To 40, Deduct	*-68.21*	
		For >40, Deduct	*-143.64*	
26 56 13 00-0574	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,097.70	176.30
		For >10 To 20, Deduct	*-38.62*	
		For >20 To 40, Deduct	*-69.79*	
		For >40, Deduct	*-147.02*	
26 56 13 00-0575	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,149.65	190.99
		For >10 To 20, Deduct	*-40.26*	
		For >20 To 40, Deduct	*-72.84*	
		For >40, Deduct	*-153.35*	
26 56 13 00-0576	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,202.95	205.68
		For >10 To 20, Deduct	*-41.95*	
		For >20 To 40, Deduct	*-75.98*	
		For >40, Deduct	*-159.87*	
26 56 13 00-0577	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,301.39	220.38
		For >10 To 20, Deduct	*-45.44*	
		For >20 To 40, Deduct	*-82.28*	
		For >40, Deduct	*-173.17*	
26 56 13 00-0578	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,415.78	235.07
		For >10 To 20, Deduct	*-49.58*	
		For >20 To 40, Deduct	*-89.70*	
		For >40, Deduct	*-188.86*	
26 56 13 00-0579	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,492.81	235.07
		For >10 To 20, Deduct	*-52.66*	
		For >20 To 40, Deduct	*-95.09*	
		For >40, Deduct	*-200.41*	
26 56 13 00-0580	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,600.55	249.76
		For >10 To 20, Deduct	*-56.53*	
		For >20 To 40, Deduct	*-102.05*	
		For >40, Deduct	*-215.11*	
26 56 13 00-0581	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial	1,708.30	264.45
		For >10 To 20, Deduct	*-60.40*	
		For >20 To 40, Deduct	*-109.00*	
		For >40, Deduct	*-229.80*	

26 56 13 00-0582 Factory Accessories For Fiberglass Area Light Poles *(26 56 13 00-0510)*

26 56 13 00-0583	EA	Open Or Capped Top For Fiberglass Area Light Poles	47.09
26 56 13 00-0584	EA	Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles	47.09
26 56 13 00-0585	EA	Smooth Shaft Finish For Fiberglass Area Light Poles	89.35
26 56 13 00-0586	EA	Vibration Dampener For Fiberglass Area Light Poles	118.33

26 56 13 00-0587 Concrete Area Light Poles *(26 56 13 00-0177)*

26 56 13 00-0588 Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base *(26 56 13 00-0587)*

26 56 13 00-0589	EA	28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,187.39	499.52
26 56 13 00-0590	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,305.58	528.91
26 56 13 00-0591	EA	33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	2,393.00	543.60
26 56 13 00-0592	EA	36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,007.98	558.29
26 56 13 00-0593	EA	38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	3,350.45	587.68
26 56 13 00-0594	EA	43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,136.82	763.99
26 56 13 00-0595	EA	47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base	4,948.97	940.28
26 56 13 00-0596	EA	27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	4,911.49	499.52
26 56 13 00-0597	EA	30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base Note: Polished brown with acrylic coating finish.	5,681.63	528.91
26 56 13 00-0598	EA	Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40'	659.04	176.30
26 56 13 00-0599	EA	13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design	2,947.00	352.49
26 56 13 00-0600	EA	Pole Base Cover For All Octagon Poles	254.48	71.93
26 56 13 00-0601	EA	Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze	523.54	143.86

26 56 13 00-0602 Tapered, Spun Concrete Area Light Poles, Direct Burial *(26 56 13 00-0587)*

Note: Round or square.

26 56 13 00-0603	EA	13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,433.14	235.07
26 56 13 00-0604	EA	16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	2,741.60	293.84
26 56 13 00-0605	EA	18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	3,019.56	352.61
26 56 13 00-0606	EA	30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,196.96	528.91
26 56 13 00-0607	EA	35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	4,854.00	558.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0608	EA	40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	5,565.12	587.68
26 56 13 00-0609	EA	45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial	6,428.42	763.99
26 56 13 00-0610		**Round Tapered, Spun Concrete Area Light Poles, Direct Burial** *(26 56 13 00-0587)*		
26 56 13 00-0611	EA	60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22)	18,704.59	1,322.28
26 56 13 00-0612	EA	70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24)	22,336.38	1,641.76
26 56 13 00-0613	EA	80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26)	26,465.44	2,217.82
26 56 13 00-0614		**Treated Wood Area Light Poles** *(26 56 13 00-0177)*		
		See CSI section 26 05 46 00-0001 for wood poles.		
26 56 13 00-0615		**Cast Iron Decorative Light Posts** *(26 56 13 00-0177)*		
26 56 13 00-0616		**Round Tapered, Cast Iron Decorative Light Post, Anchor Base** *(26 56 13 00-0615)*		
		Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA	10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,295.59	146.92
26 56 13 00-0618	EA	12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,366.85	169.25
26 56 13 00-0619	EA	14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,481.95	176.30
26 56 13 00-0620	EA	16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	1,820.39	205.68
26 56 13 00-0621	EA	18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,125.50	223.31
26 56 13 00-0622	EA	20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base	2,445.32	240.95
26 56 13 00-0623		**Landscape Light Poles** *(26 56 13 00-0001)*		
		Note: Excludes lighting fixtures.		
26 56 13 00-0624		**Aluminum Landscape Light Poles** *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0625		**Round Straight, Aluminum Landscape Light Poles** *(26 56 13 00-0624)*		
26 56 13 00-0626		**Round Straight, Aluminum Landscape Light Poles, Anchor Base** *(26 56 13 00-0625)*		
26 56 13 00-0627	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	439.64	176.30
26 56 13 00-0628	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base	745.59	235.07
26 56 13 00-0629		**Round Straight, Aluminum Landscape Light Poles, Direct Burial** *(26 56 13 00-0625)*		
26 56 13 00-0630	EA	7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	398.68	176.30
26 56 13 00-0631	EA	12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial	704.63	235.07
26 56 13 00-0632		**Steel Landscape Light Poles** *(26 56 13 00-0623)*		
		Note: Includes painted finish.		
26 56 13 00-0633		**Round Straight, Steel Landscape Light Poles** *(26 56 13 00-0632)*		
26 56 13 00-0634		**Round Straight, Steel Landscape Light Poles, Anchor Base** *(26 56 13 00-0633)*		
26 56 13 00-0635	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base	497.02	176.30
26 56 13 00-0636		**Round Straight, Steel Landscape Light Poles, Direct Burial** *(26 56 13 00-0633)*		
26 56 13 00-0637	EA	6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial	464.67	176.30
26 56 13 00-0638		**Light Pole Brackets And Arms** *(26 56 13 00-0001)*		
26 56 13 00-0639		**Light Pole Brackets** *(26 56 13 00-0638)*		
26 56 13 00-0640		**Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0639)*		
26 56 13 00-0641		**Round Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0640)*		
26 56 13 00-0642		**Steel, Round Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0641)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0643	EA	Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	649.63	35.26
		For Galvanized Finish, Add	*57.91*	
26 56 13 00-0644	EA	Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	824.35	35.26
		For Galvanized Finish, Add	*75.38*	
26 56 13 00-0645	EA	Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	877.68	35.26
		For Galvanized Finish, Add	*80.72*	
26 56 13 00-0646	EA	Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,206.89	35.26
		For Galvanized Finish, Add	*113.64*	
26 56 13 00-0647	EA	Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket	1,258.16	35.26
		For Galvanized Finish, Add	*118.76*	
26 56 13 00-0648		**Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0641)*		
		Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA	Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	229.95	35.26
		For Bronze Or Satin Anodized Finish, Add	*15.94*	
		For Black Anodized Finish, Add	*31.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0650	EA	Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	280.80	35.26
		For Bronze Or Satin Anodized Finish, Add	*21.03*	
		For Black Anodized Finish, Add	*42.05*	
26 56 13 00-0651	EA	Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	294.49	35.26
		For Bronze Or Satin Anodized Finish, Add	*22.40*	
		For Black Anodized Finish, Add	*44.79*	
26 56 13 00-0652	EA	Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	342.42	35.26
		For Bronze Or Satin Anodized Finish, Add	*27.19*	
		For Black Anodized Finish, Add	*54.38*	
26 56 13 00-0653	EA	Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket	352.20	35.26
		For Bronze Or Satin Anodized Finish, Add	*28.17*	
		For Black Anodized Finish, Add	*56.33*	
26 56 13 00-0654		**Square Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0640)*		
26 56 13 00-0655		**Steel, Square Bullhorn Style, Pole Top Area Light Brackets** *(26 56 13 00-0654)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0656	EA	Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	699.52	35.26
		For Galvanized Finish, Add	*62.90*	
26 56 13 00-0657	EA	Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	866.88	35.26
		For Galvanized Finish, Add	*79.64*	
26 56 13 00-0658	EA	Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,063.44	35.26
		For Galvanized Finish, Add	*99.29*	
26 56 13 00-0659	EA	Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket	1,260.91	35.26
		For Galvanized Finish, Add	*119.04*	
26 56 13 00-0660		**Wood Pole Clamp On Style, Pole Top Area Light Brackets** *(26 56 13 00-0639)*		
26 56 13 00-0661		**Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets** *(26 56 13 00-0660)*		
		Note: Includes powdercoat finish.		
26 56 13 00-0662	EA	One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	653.19	58.77
26 56 13 00-0663	EA	Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	995.73	58.77
26 56 13 00-0664	EA	Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,401.03	58.77
26 56 13 00-0665	EA	Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket	1,534.37	58.77
26 56 13 00-0666		**Light Pole Arms** *(26 56 13 00-0638)*		
26 56 13 00-0667		**Wood Pole Streetlight Arms** *(26 56 13 00-0666)*		
26 56 13 00-0668		**Steel, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	372.92	52.89
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	393.64	58.77
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	454.52	73.46
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	557.78	58.77
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	618.20	73.46
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount	750.80	88.15
26 56 13 00-0675		**Aluminum, Wood Pole Streetlight Arms** *(26 56 13 00-0667)*		
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	227.05	58.77
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	283.22	58.77
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	379.33	73.46
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount	498.71	88.15
26 56 13 00-0680		**Area Light Arms** *(26 56 13 00-0666)*		
26 56 13 00-0681		**Steel Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	728.27	58.77
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,152.75	64.64
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,281.40	70.53
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,524.57	76.40
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount	867.40	73.46
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount	1,248.93	79.33
26 56 13 00-0688		**Aluminum Area Light Arms** *(26 56 13 00-0680)*		
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	276.96	58.77
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	341.54	73.46
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount	408.09	88.15
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	275.00	58.77
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	392.37	64.64
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	337.63	73.46
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	478.48	79.33
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount	410.04	88.15
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount	581.21	94.03
26 56 13 00-0698		**Removal And Reinstallation Of Lighting Pole** *(26 56 13 00-0001)*		
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms	1,939.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0700		High Mast Lighting *(26 56 13 00-0001)*		
26 56 13 00-0701		High Mast Lighting Assemblies *(26 56 13 00-0700)*		
		Note: Includes non-latching system, ring assembly with internal bumper, acrylic top cover, pulley supports, cast arm filter for pipe tension, transition assembly, standard head frame assembly, standard hoist, and powder coated pole.		
26 56 13 00-0702	EA	60' High Mast Lighting Assembly	58,314.50	1,822.41
26 56 13 00-0703	EA	70' High Mast Lighting Assembly	61,604.11	1,908.70
26 56 13 00-0704	EA	80' High Mast Lighting Assembly	64,917.18	2,033.37
26 56 13 00-0705	EA	90' High Mast Lighting Assembly	68,251.68	2,196.39
26 56 13 00-0706	EA	100' High Mast Lighting Assembly	71,595.25	2,397.70
26 56 13 00-0707	EA	110' High Mast Lighting Assembly	75,897.09	2,637.65
26 56 13 00-0708	EA	120' High Mast Lighting Assembly	79,358.86	2,877.40
26 56 13 00-0709	EA	130' High Mast Lighting Assembly	82,549.44	3,117.16
26 56 13 00-0710	EA	140' High Mast Lighting Assembly	86,011.22	3,357.03
26 56 13 00-0711	EA	150' High Mast Lighting Assembly	90,240.39	3,596.78
26 56 13 00-0712		High Mast Light Poles *(26 56 13 00-0700)*		
26 56 13 00-0713	EA	60' High Mast Light Poles	21,900.34	1,094.51
26 56 13 00-0714	EA	70' High Mast Light Poles	25,164.03	1,146.35
26 56 13 00-0715	EA	80' High Mast Light Poles	28,439.66	1,221.24
26 56 13 00-0716	EA	90' High Mast Light Poles	31,725.20	1,319.17
26 56 13 00-0717	EA	100' High Mast Light Poles	35,022.68	1,440.14
26 56 13 00-0718	EA	110' High Mast Light Poles	38,332.11	1,584.16
26 56 13 00-0719	EA	120' High Mast Light Poles	40,817.86	1,728.17
26 56 13 00-0720	EA	130' High Mast Light Poles	41,158.23	3,202.88
26 56 13 00-0721	EA	140' High Mast Light Poles	45,516.18	2,016.20
26 56 13 00-0722	EA	150' High Mast Light Poles	48,275.15	2,160.22
26 56 13 00-0723		High Mast Lighting Accessories *(26 56 13 00-0700)*		
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting	1,015.00	
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting	2,899.01	
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting	2,195.85	
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting	916.14	
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting	1,695.05	
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting	19,003.09	
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting	19,094.68	
26 56 13 00-0731		Concrete Bases *(26 56 13 00-0001)*		
26 56 13 00-0732		Concrete Bases, Cast In Place *(26 56 13 00-0731)*		
		Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA	Cast In Place Concrete Base For Poles Minimum Charge	389.49	
		Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF	1-1/2' Diameter Concrete Base For Poles	64.81	
26 56 13 00-0735	VLF	2' Diameter Concrete Base For Poles	92.09	
26 56 13 00-0736	VLF	2-1/2' Diameter Concrete Base For Poles	125.29	
26 56 13 00-0737	VLF	3' Diameter Concrete Base For Poles	165.55	
26 56 13 00-0738	VLF	3-1/2' Diameter Concrete Base For Poles	222.64	
26 56 13 00-0739	VLF	4' Diameter Concrete Base For Poles	280.84	
26 56 13 00-0740	VLF	5' Diameter Concrete Base For Poles	409.01	
26 56 13 00-0741	VLF	6' Diameter Concrete Base For Poles	563.52	
26 56 18		**Incandescent Exterior Lighting** *(26 56)*		
26 56 18 00-0001		Exterior Globe *(26 56 18)*		
26 56 18 00-0002		Incandescent, Exterior Globe *(26 56 18 00-0001)*		
26 56 18 00-0003	EA	100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	52.79	18.65
26 56 18 00-0004	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture	83.30	18.65
26 56 18 00-0005	EA	100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	62.75	18.65
26 56 18 00-0006	EA	150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture	87.13	18.65
26 56 18 00-0007		Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 18)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA	7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	237.80	74.57
26 56 18 00-0009	EA	9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	247.16	79.24
26 56 18 00-0010	EA	13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	273.83	83.90
26 56 18 00-0011	EA	75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	261.88	93.22
26 56 18 00-0012	EA	100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	293.19	107.20

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19		**LED Exterior Lighting** *(26 56)*		
26 56 19 00-0001		LED, Wall Packs *(26 56 19)*		
26 56 19 00-0002		Full Cutoff, LED Wall Packs *(26 56 19 00-0001)*		
26 56 19 00-0003		Full Cutoff, LED Wall Packs (Lithonia) *(26 56 19 00-0002)*		
26 56 19 00-0004	EA	30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	962.48	102.17
		For >50 To 100, Deduct	*-48.12*	
		For >100 To 250, Deduct	*-72.19*	
		For >250 To 500, Deduct	*-115.20*	
		For >500 To 1,000, Deduct	*-158.22*	
		For >1,000, Deduct	*-201.23*	
26 56 19 00-0005	EA	30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED)	1,044.78	102.17
		For >50 To 100, Deduct	*-52.24*	
		For >100 To 250, Deduct	*-78.36*	
		For >250 To 500, Deduct	*-125.49*	
		For >500 To 1,000, Deduct	*-172.62*	
		For >1,000, Deduct	*-219.75*	
26 56 19 00-0006		Full Cutoff, LED Wall Packs (CREE® BetaLED®) *(26 56 19 00-0002)*		
26 56 19 00-0007		Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG) *(26 56 19 00-0006)*		
		Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0008	EA	20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	991.23	99.25
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*51.29*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-49.56*	
		For >100 To 250, Deduct	*-74.34*	
		For >250 To 500, Deduct	*-118.94*	
		For >500 To 1,000, Deduct	*-163.54*	
		For >1,000, Deduct	*-208.14*	
26 56 19 00-0009	EA	40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,290.14	105.09
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*51.87*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-64.51*	
		For >100 To 250, Deduct	*-96.76*	
		For >250 To 500, Deduct	*-156.01*	
		For >500 To 1,000, Deduct	*-215.27*	
		For >1,000, Deduct	*-274.52*	
26 56 19 00-0010	EA	60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,450.17	110.93
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*52.45*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-72.51*	
		For >100 To 250, Deduct	*-108.76*	
		For >250 To 500, Deduct	*-175.72*	
		For >500 To 1,000, Deduct	*-242.69*	
		For >1,000, Deduct	*-309.65*	
26 56 19 00-0011	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	1,887.94	116.77
		Note: Includes 350mA or 525mA driver.		
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*53.04*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-94.40*	
		For >100 To 250, Deduct	*-141.60*	
		For >250 To 500, Deduct	*-230.15*	
		For >500 To 1,000, Deduct	*-318.71*	
		For >1,000, Deduct	*-407.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0012	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,186.84	122.60
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*53.62*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-109.34*	
		For >100 To 250, Deduct	*-164.01*	
		For >250 To 500, Deduct	*-267.22*	
		For >500 To 1,000, Deduct	*-370.44*	
		For >1,000, Deduct	*-473.65*	
26 56 19 00-0013	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG)	2,485.75	128.45
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*54.21*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-124.29*	
		For >100 To 250, Deduct	*-186.43*	
		For >250 To 500, Deduct	*-304.30*	
		For >500 To 1,000, Deduct	*-422.16*	
		For >1,000, Deduct	*-540.03*	

26 56 19 00-0014 Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™) *(26 56 19 00-0006)*

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0015	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	564.72	99.25
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-28.24*	
		For >100 To 250, Deduct	*-42.35*	
		For >250 To 500, Deduct	*-65.63*	
		For >500 To 1,000, Deduct	*-88.90*	
		For >1,000, Deduct	*-112.17*	
26 56 19 00-0016	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™)	661.84	105.09
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Multi-Level, Add	*65.65*	
		For >50 To 100, Deduct	*-33.09*	
		For >100 To 250, Deduct	*-49.64*	
		For >250 To 500, Deduct	*-77.48*	
		For >500 To 1,000, Deduct	*-105.31*	
		For >1,000, Deduct	*-133.15*	

26 56 19 00-0017 Full Cutoff, LED Wall Packs (McGraw-Edison) *(26 56 19 00-0002)*

26 56 19 00-0018	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,292.12	99.25
26 56 19 00-0019	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,614.31	105.09
26 56 19 00-0020	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,308.11	99.25
26 56 19 00-0021	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST)	1,760.43	105.09

26 56 19 00-0022 Open Face LED Wall Pack *(26 56 19 00-0001)*

Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass

26 56 19 00-0023	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)	665.35	102.05
		For >50 To 100, Deduct	*-33.27*	
		For >100 To 250, Deduct	*-49.90*	
		For >250 To 500, Deduct	*-75.52*	
		For >500 To 1,000, Deduct	*-101.13*	
		For >1,000, Deduct	*-126.74*	
26 56 19 00-0024	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)	683.97	102.05
		For >50 To 100, Deduct	*-34.20*	
		For >100 To 250, Deduct	*-51.30*	
		For >250 To 500, Deduct	*-77.84*	
		For >500 To 1,000, Deduct	*-104.39*	
		For >1,000, Deduct	*-130.93*	
26 56 19 00-0025	EA	7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS)	724.02	102.05
		For >50 To 100, Deduct	*-36.20*	
		For >100 To 250, Deduct	*-54.30*	
		For >250 To 500, Deduct	*-82.85*	
		For >500 To 1,000, Deduct	*-111.40*	
		For >1,000, Deduct	*-139.94*	
26 56 19 00-0026	EA	11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS)	758.48	102.05
		For >50 To 100, Deduct	*-37.92*	
		For >100 To 250, Deduct	*-56.89*	
		For >250 To 500, Deduct	*-87.16*	
		For >500 To 1,000, Deduct	*-117.43*	
		For >1,000, Deduct	*-147.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0027	EA	16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS)	819.67	102.05
		For >50 To 100, Deduct	*-40.98*	
		For >100 To 250, Deduct	*-61.48*	
		For >250 To 500, Deduct	*-94.81*	
		For >500 To 1,000, Deduct	*-128.14*	
		For >1,000, Deduct	*-161.47*	

26 56 19 00-0028 Wall Pack Accessories *(26 56 19 00-0001)*

26 56 19 00-0029	EA	Photocell For Wall Pack	131.48	25.51
26 56 19 00-0030	EA	Wire Guard For Mini And Small Wall Pack	148.30	25.51
26 56 19 00-0031	EA	Wire Guard For Medium And Large Wall Pack	218.64	25.51
26 56 19 00-0032	EA	Clear Polycarbonate Vandal Guard For Wall Packs	320.14	25.51
26 56 19 00-0033	EA	Full Cutoff Visor For Wall Pack	143.71	25.51

26 56 19 00-0034 LED, Roadway Lighting *(26 56 19)*

26 56 19 00-0035 LED Roadway Lighting (Philips Lumec) *(26 56 19 00-0034)*

26 56 19 00-0036 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series) *(26 56 19 00-0035)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0037	EA	49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series)	1,433.72	140.42
		For >50 To 100, Deduct	*-71.69*	
		For >100 To 250, Deduct	*-107.53*	
		For >250 To 500, Deduct	*-172.19*	
		For >500 To 1,000, Deduct	*-236.86*	
		For >1,000, Deduct	*-301.52*	
26 56 19 00-0038	EA	98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series)	2,255.53	144.21
		For >50 To 100, Deduct	*-112.78*	
		For >100 To 250, Deduct	*-169.16*	
		For >250 To 500, Deduct	*-274.73*	
		For >500 To 1,000, Deduct	*-380.30*	
		For >1,000, Deduct	*-485.86*	

26 56 19 00-0039 Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series) *(26 56 19 00-0035)*

Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0040	EA	48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series)	1,143.95	140.42
		For >50 To 100, Deduct	*-57.20*	
		For >100 To 250, Deduct	*-85.80*	
		For >250 To 500, Deduct	*-135.97*	
		For >500 To 1,000, Deduct	*-186.15*	
		For >1,000, Deduct	*-236.33*	
26 56 19 00-0041	EA	48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,230.26	140.42
		For >50 To 100, Deduct	*-61.51*	
		For >100 To 250, Deduct	*-92.27*	
		For >250 To 500, Deduct	*-146.76*	
		For >500 To 1,000, Deduct	*-201.25*	
		For >1,000, Deduct	*-255.75*	
26 56 19 00-0042	EA	48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series)	1,316.57	140.42
		For >50 To 100, Deduct	*-65.83*	
		For >100 To 250, Deduct	*-98.74*	
		For >250 To 500, Deduct	*-157.55*	
		For >500 To 1,000, Deduct	*-216.36*	
		For >1,000, Deduct	*-275.17*	

26 56 19 00-0043 LED Roadway Lighting (Lithonia) *(26 56 19 00-0034)*

26 56 19 00-0044 Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series) *(26 56 19 00-0043)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.

26 56 19 00-0045	EA	30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	2,368.10	132.83
		For >50 To 100, Deduct	*-118.41*	
		For >100 To 250, Deduct	*-177.61*	
		For >250 To 500, Deduct	*-289.37*	
		For >500 To 1,000, Deduct	*-401.14*	
		For >1,000, Deduct	*-512.90*	
26 56 19 00-0046	EA	60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series)	3,961.72	136.62
		For >50 To 100, Deduct	*-198.09*	
		For >100 To 250, Deduct	*-297.13*	
		For >250 To 500, Deduct	*-488.38*	
		For >500 To 1,000, Deduct	*-679.64*	
		For >1,000, Deduct	*-870.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0047		LED Roadway Lighting (CREE® BetaLED®) *(26 56 19 00-0034)*		
26 56 19 00-0048		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY) *(26 56 19 00-0047)*		
		Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0049	EA	20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	892.63	129.03
		For >50 To 100, Deduct	*-44.63*	
		For >100 To 250, Deduct	*-66.95*	
		For >250 To 500, Deduct	*-105.13*	
		For >500 To 1,000, Deduct	*-143.31*	
		For >1,000, Deduct	*-181.49*	
26 56 19 00-0050	EA	30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,007.83	132.83
		For >50 To 100, Deduct	*-50.39*	
		For >100 To 250, Deduct	*-75.59*	
		For >250 To 500, Deduct	*-119.34*	
		For >500 To 1,000, Deduct	*-163.09*	
		For >1,000, Deduct	*-206.84*	
26 56 19 00-0051	EA	40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,147.16	136.62
		For >50 To 100, Deduct	*-57.36*	
		For >100 To 250, Deduct	*-86.04*	
		For >250 To 500, Deduct	*-136.56*	
		For >500 To 1,000, Deduct	*-187.09*	
		For >1,000, Deduct	*-237.62*	
26 56 19 00-0052	EA	50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,264.22	140.42
		For >50 To 100, Deduct	*-63.21*	
		For >100 To 250, Deduct	*-94.82*	
		For >250 To 500, Deduct	*-151.01*	
		For >500 To 1,000, Deduct	*-207.20*	
		For >1,000, Deduct	*-263.39*	
26 56 19 00-0053	EA	60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,381.28	144.21
		For >50 To 100, Deduct	*-69.06*	
		For >100 To 250, Deduct	*-103.60*	
		For >250 To 500, Deduct	*-165.45*	
		For >500 To 1,000, Deduct	*-227.30*	
		For >1,000, Deduct	*-289.16*	
26 56 19 00-0054	EA	70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,661.62	148.01
		For >50 To 100, Deduct	*-83.08*	
		For >100 To 250, Deduct	*-124.62*	
		For >250 To 500, Deduct	*-200.30*	
		For >500 To 1,000, Deduct	*-275.98*	
		For >1,000, Deduct	*-351.66*	
26 56 19 00-0055	EA	80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,778.69	151.80
		For >50 To 100, Deduct	*-88.93*	
		For >100 To 250, Deduct	*-133.40*	
		For >250 To 500, Deduct	*-214.75*	
		For >500 To 1,000, Deduct	*-296.09*	
		For >1,000, Deduct	*-377.44*	
26 56 19 00-0056	EA	90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	1,893.89	155.60
		For >50 To 100, Deduct	*-94.69*	
		For >100 To 250, Deduct	*-142.04*	
		For >250 To 500, Deduct	*-228.96*	
		For >500 To 1,000, Deduct	*-315.87*	
		For >1,000, Deduct	*-402.79*	
26 56 19 00-0057	EA	100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,120.43	159.39
		For >50 To 100, Deduct	*-106.02*	
		For >100 To 250, Deduct	*-159.03*	
		For >250 To 500, Deduct	*-257.08*	
		For >500 To 1,000, Deduct	*-355.14*	
		For >1,000, Deduct	*-453.19*	
26 56 19 00-0058	EA	110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,237.49	163.18
		For >50 To 100, Deduct	*-111.87*	
		For >100 To 250, Deduct	*-167.81*	
		For >250 To 500, Deduct	*-271.53*	
		For >500 To 1,000, Deduct	*-375.24*	
		For >1,000, Deduct	*-478.96*	
26 56 19 00-0059	EA	120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY)	2,354.55	166.98
		For >50 To 100, Deduct	*-117.73*	
		For >100 To 250, Deduct	*-176.59*	
		For >250 To 500, Deduct	*-285.97*	
		For >500 To 1,000, Deduct	*-395.35*	
		For >1,000, Deduct	*-504.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

26 56 19 00-0060 Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG) *(26 56 19 00-0047)*

Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0061	EA	40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	1,824.40	136.62
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-91.22*	
		For >100 To 250, Deduct	*-136.83*	
		For >250 To 500, Deduct	*-221.22*	
		For >500 To 1,000, Deduct	*-305.61*	
		For >1,000, Deduct	*-390.00*	
26 56 19 00-0062	EA	60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,112.33	144.21
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-105.62*	
		For >100 To 250, Deduct	*-158.42*	
		For >250 To 500, Deduct	*-256.83*	
		For >500 To 1,000, Deduct	*-355.24*	
		For >1,000, Deduct	*-453.64*	
26 56 19 00-0063	EA	80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,400.26	151.80
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-120.01*	
		For >100 To 250, Deduct	*-180.02*	
		For >250 To 500, Deduct	*-292.44*	
		For >500 To 1,000, Deduct	*-404.87*	
		For >1,000, Deduct	*-517.29*	
26 56 19 00-0064	EA	100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	2,688.20	159.39
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-134.41*	
		For >100 To 250, Deduct	*-201.62*	
		For >250 To 500, Deduct	*-328.06*	
		For >500 To 1,000, Deduct	*-454.50*	
		For >1,000, Deduct	*-580.94*	
26 56 19 00-0065	EA	120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,555.03	166.98
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-177.75*	
		For >100 To 250, Deduct	*-266.63*	
		For >250 To 500, Deduct	*-436.03*	
		For >500 To 1,000, Deduct	*-605.43*	
		For >1,000, Deduct	*-774.83*	
26 56 19 00-0066	EA	140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	3,842.97	174.57
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-192.15*	
		For >100 To 250, Deduct	*-288.22*	
		For >250 To 500, Deduct	*-471.64*	
		For >500 To 1,000, Deduct	*-655.06*	
		For >1,000, Deduct	*-838.48*	
26 56 19 00-0067	EA	160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG)	4,130.89	182.16
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-206.54*	
		For >100 To 250, Deduct	*-309.82*	
		For >250 To 500, Deduct	*-507.25*	
		For >500 To 1,000, Deduct	*-704.69*	
		For >1,000, Deduct	*-902.13*	

26 56 19 00-0068 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP) *(26 56 19 00-0047)*

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0069	EA	4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	730.50	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*34.35*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*55.02*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-36.53*	
		For >100 To 250, Deduct	*-54.79*	
		For >250 To 500, Deduct	*-84.48*	
		For >500 To 1,000, Deduct	*-114.18*	
		For >1,000, Deduct	*-143.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0070	EA	5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A)	730.50	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*34.35*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*55.02*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-36.53*	
		For >100 To 250, Deduct	*-54.79*	
		For >250 To 500, Deduct	*-84.48*	
		For >500 To 1,000, Deduct	*-114.18*	
		For >1,000, Deduct	*-143.87*	
26 56 19 00-0071	EA	8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	813.21	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*34.35*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*55.02*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-40.66*	
		For >100 To 250, Deduct	*-60.99*	
		For >250 To 500, Deduct	*-94.82*	
		For >500 To 1,000, Deduct	*-128.65*	
		For >1,000, Deduct	*-162.48*	
26 56 19 00-0072	EA	8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E)	813.21	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Backlight Control Shield, Add	*34.35*	
		For Field Adjustable Output, Add	*32.83*	
		For Bird Spikes, Add	*55.02*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-40.66*	
		For >100 To 250, Deduct	*-60.99*	
		For >250 To 500, Deduct	*-94.82*	
		For >500 To 1,000, Deduct	*-128.65*	
		For >1,000, Deduct	*-162.48*	
26 56 19 00-0073	EA	9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	960.26	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*50.42*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*91.79*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-48.01*	
		For >100 To 250, Deduct	*-72.02*	
		For >250 To 500, Deduct	*-113.20*	
		For >500 To 1,000, Deduct	*-154.38*	
		For >1,000, Deduct	*-195.57*	
26 56 19 00-0074	EA	10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B)	960.26	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*50.42*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Fuse, Add	*65.65*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*91.79*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For >50 To 100, Deduct	*-48.01*	
		For >100 To 250, Deduct	*-72.02*	
		For >250 To 500, Deduct	*-113.20*	
		For >500 To 1,000, Deduct	*-154.38*	
		For >1,000, Deduct	*-195.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0075	EA	13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,098.14	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*50.42*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*91.79*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-54.91*	
		For >100 To 250, Deduct	*-82.36*	
		For >250 To 500, Deduct	*-130.44*	
		For >500 To 1,000, Deduct	*-178.51*	
		For >1,000, Deduct	*-226.59*	
26 56 19 00-0076	EA	14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F)	1,098.14	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*50.42*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For Bird Spikes, Add	*91.79*	
		For 480 Volt, Add	*98.48*	
		For >50 To 100, Deduct	*-54.91*	
		For >100 To 250, Deduct	*-82.36*	
		For >250 To 500, Deduct	*-130.44*	
		For >500 To 1,000, Deduct	*-178.51*	
		For >1,000, Deduct	*-226.59*	
26 56 19 00-0077	EA	2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	583.44	136.62
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-29.17*	
		For >100 To 250, Deduct	*-43.76*	
		For >250 To 500, Deduct	*-66.10*	
		For >500 To 1,000, Deduct	*-88.44*	
		For >1,000, Deduct	*-110.78*	
26 56 19 00-0078	EA	2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G)	583.44	136.62
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-29.17*	
		For >100 To 250, Deduct	*-43.76*	
		For >250 To 500, Deduct	*-66.10*	
		For >500 To 1,000, Deduct	*-88.44*	
		For >1,000, Deduct	*-110.78*	
26 56 19 00-0079	EA	3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	617.91	136.62
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-30.90*	
		For >100 To 250, Deduct	*-46.34*	
		For >250 To 500, Deduct	*-70.41*	
		For >500 To 1,000, Deduct	*-94.47*	
		For >1,000, Deduct	*-118.54*	
26 56 19 00-0080	EA	4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™BXSPR-A-O-X-X-C)	617.91	136.62
		For Utility Label, Add	*10.94*	
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*32.83*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-30.90*	
		For >100 To 250, Deduct	*-46.34*	
		For >250 To 500, Deduct	*-70.41*	
		For >500 To 1,000, Deduct	*-94.47*	
		For >1,000, Deduct	*-118.54*	
26 56 19 00-0081	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	629.39	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-31.47*	
		For >100 To 250, Deduct	*-47.20*	
		For >250 To 500, Deduct	*-71.84*	
		For >500 To 1,000, Deduct	*-96.48*	
		For >1,000, Deduct	*-121.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0082	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A)	629.39	136.62
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Field Adjustable Output, Add	*32.83*	
		For Field Adjustable Output And Utility Label, Add	*43.77*	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-31.47*	
		For >100 To 250, Deduct	*-47.20*	
		For >250 To 500, Deduct	*-71.84*	
		For >500 To 1,000, Deduct	*-96.48*	
		For >1,000, Deduct	*-121.12*	

26 56 19 00-0083 Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™)

(26 56 19 00-0047)

Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA® photocell receptacle. Excludes sensors.

26 56 19 00-0084	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N)	606.42	136.62
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*68.37*	
		For Bird Spikes, Add	*92.44*	
		For >50 To 100, Deduct	*-30.32*	
		For >100 To 250, Deduct	*-45.48*	
		For >250 To 500, Deduct	*-68.97*	
		For >500 To 1,000, Deduct	*-92.46*	
		For >1,000, Deduct	*-115.95*	
26 56 19 00-0085	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N)	606.42	136.62
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*68.37*	
		For Bird Spikes, Add	*92.44*	
		For >50 To 100, Deduct	*-30.32*	
		For >100 To 250, Deduct	*-45.48*	
		For >250 To 500, Deduct	*-68.97*	
		For >500 To 1,000, Deduct	*-92.46*	
		For >1,000, Deduct	*-115.95*	
26 56 19 00-0086	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N)	629.39	136.62
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*68.37*	
		For Bird Spikes, Add	*92.44*	
		For >50 To 100, Deduct	*-31.47*	
		For >100 To 250, Deduct	*-47.20*	
		For >250 To 500, Deduct	*-71.84*	
		For >500 To 1,000, Deduct	*-96.48*	
		For >1,000, Deduct	*-121.12*	
26 56 19 00-0087	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N)	629.39	136.62
		For Field Adjustable Output, Add	*32.83*	
		For Backlight Control Shield, Add	*68.37*	
		For Bird Spikes, Add	*92.44*	
		For >50 To 100, Deduct	*-31.47*	
		For >100 To 250, Deduct	*-47.20*	
		For >250 To 500, Deduct	*-71.84*	
		For >500 To 1,000, Deduct	*-96.48*	
		For >1,000, Deduct	*-121.12*	

26 56 19 00-0088 LED Roadway Lighting (Cooper Lighting) *(26 56 19 00-0034)*

26 56 19 00-0089 Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) *(26 56 19 00-0088)*

Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0090	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	996.23	136.62
		For >50 To 100, Deduct	*-49.81*	
		For >100 To 250, Deduct	*-74.72*	
		For >250 To 500, Deduct	*-117.70*	
		For >500 To 1,000, Deduct	*-160.68*	
		For >1,000, Deduct	*-203.66*	
26 56 19 00-0091	EA	2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,368.90	151.80
		For >50 To 100, Deduct	*-68.45*	
		For >100 To 250, Deduct	*-102.67*	
		For >250 To 500, Deduct	*-163.52*	
		For >500 To 1,000, Deduct	*-224.38*	
		For >1,000, Deduct	*-285.23*	
26 56 19 00-0092	EA	3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	1,461.81	174.57
		For >50 To 100, Deduct	*-73.09*	
		For >100 To 250, Deduct	*-109.64*	
		For >250 To 500, Deduct	*-174.00*	
		For >500 To 1,000, Deduct	*-238.36*	
		For >1,000, Deduct	*-302.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0093	EA	4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,214.04	189.75
		For >50 To 100, Deduct	*-110.70*	
		For >100 To 250, Deduct	*-166.05*	
		For >250 To 500, Deduct	*-267.27*	
		For >500 To 1,000, Deduct	*-368.48*	
		For >1,000, Deduct	*-469.70*	
26 56 19 00-0094	EA	6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA)	2,922.15	216.02
		For >50 To 100, Deduct	*-146.11*	
		For >100 To 250, Deduct	*-219.16*	
		For >250 To 500, Deduct	*-354.47*	
		For >500 To 1,000, Deduct	*-489.77*	
		For >1,000, Deduct	*-625.08*	

26 56 19 00-0095 LED Roadway Lighting (PlanLED) *(26 56 19 00-0034)*

26 56 19 00-0096 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0097	EA	8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W)	1,214.78	132.83
		For >50 To 100, Deduct	*-60.74*	
		For >100 To 250, Deduct	*-91.11*	
		For >250 To 500, Deduct	*-145.21*	
		For >500 To 1,000, Deduct	*-199.30*	
		For >1,000, Deduct	*-253.40*	
26 56 19 00-0098	EA	11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W)	1,327.05	134.28
		For >50 To 100, Deduct	*-66.35*	
		For >100 To 250, Deduct	*-99.53*	
		For >250 To 500, Deduct	*-159.17*	
		For >500 To 1,000, Deduct	*-218.81*	
		For >1,000, Deduct	*-278.44*	
26 56 19 00-0099	EA	15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W)	1,414.82	136.62
		For >50 To 100, Deduct	*-70.74*	
		For >100 To 250, Deduct	*-106.11*	
		For >250 To 500, Deduct	*-170.02*	
		For >500 To 1,000, Deduct	*-233.93*	
		For >1,000, Deduct	*-297.84*	

26 56 19 00-0100 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0101	EA	7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060)	777.53	129.61
		For >50 To 100, Deduct	*-38.88*	
		For >100 To 250, Deduct	*-58.31*	
		For >250 To 500, Deduct	*-90.71*	
		For >500 To 1,000, Deduct	*-123.11*	
		For >1,000, Deduct	*-155.50*	
26 56 19 00-0102	EA	10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080)	836.88	131.95
		For >50 To 100, Deduct	*-41.84*	
		For >100 To 250, Deduct	*-62.77*	
		For >250 To 500, Deduct	*-98.01*	
		For >500 To 1,000, Deduct	*-133.26*	
		For >1,000, Deduct	*-168.51*	
26 56 19 00-0103	EA	12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100)	931.21	134.28
		For >50 To 100, Deduct	*-46.56*	
		For >100 To 250, Deduct	*-69.84*	
		For >250 To 500, Deduct	*-109.69*	
		For >500 To 1,000, Deduct	*-149.53*	
		For >1,000, Deduct	*-189.38*	

26 56 19 00-0104 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) *(26 56 19 00-0095)*

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0105	EA	13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100)	994.63	134.28
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*94.53*	
		For >50 To 100, Deduct	*-49.73*	
		For >100 To 250, Deduct	*-74.60*	
		For >250 To 500, Deduct	*-117.61*	
		For >500 To 1,000, Deduct	*-160.63*	
		For >1,000, Deduct	*-203.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0106	EA	16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130)	1,110.69	135.46
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*28.56*	
		For >50 To 100, Deduct	*-55.53*	
		For >100 To 250, Deduct	*-83.30*	
		For >250 To 500, Deduct	*-132.06*	
		For >500 To 1,000, Deduct	*-180.83*	
		For >1,000, Deduct	*-229.59*	
26 56 19 00-0107	EA	19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150)	1,200.50	136.62
		For 0 To 10 Volt Dimming, Add	*94.53*	
		For 480 Volt, Add	*118.07*	
		For >50 To 100, Deduct	*-60.03*	
		For >100 To 250, Deduct	*-90.04*	
		For >250 To 500, Deduct	*-143.23*	
		For >500 To 1,000, Deduct	*-196.43*	
		For >1,000, Deduct	*-249.62*	

26 56 19 00-0108 LED Roadway Lighting (General Electric) *(26 56 19 00-0034)*

26 56 19 00-0109 Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)

(26 56 19 00-0108)

Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.

26 56 19 00-0110	EA	2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY)	577.48	129.03
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-28.87*	
		For >100 To 250, Deduct	*-43.31*	
		For >250 To 500, Deduct	*-65.73*	
		For >500 To 1,000, Deduct	*-88.16*	
		For >1,000, Deduct	*-110.58*	
26 56 19 00-0111	EA	3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY)	580.98	130.78
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-29.05*	
		For >100 To 250, Deduct	*-43.57*	
		For >250 To 500, Deduct	*-66.08*	
		For >500 To 1,000, Deduct	*-88.59*	
		For >1,000, Deduct	*-111.10*	
26 56 19 00-0112	EA	4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY)	607.16	132.83
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-30.36*	
		For >100 To 250, Deduct	*-45.54*	
		For >250 To 500, Deduct	*-69.25*	
		For >500 To 1,000, Deduct	*-92.97*	
		For >1,000, Deduct	*-116.69*	
26 56 19 00-0113	EA	5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY)	634.19	134.28
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-31.71*	
		For >100 To 250, Deduct	*-47.56*	
		For >250 To 500, Deduct	*-72.56*	
		For >500 To 1,000, Deduct	*-97.55*	
		For >1,000, Deduct	*-122.55*	
26 56 19 00-0114	EA	7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY)	706.32	137.20
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-35.32*	
		For >100 To 250, Deduct	*-52.97*	
		For >250 To 500, Deduct	*-81.43*	
		For >500 To 1,000, Deduct	*-109.89*	
		For >1,000, Deduct	*-138.34*	
26 56 19 00-0115	EA	8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY)	744.81	138.37
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-37.24*	
		For >100 To 250, Deduct	*-55.86*	
		For >250 To 500, Deduct	*-86.18*	
		For >500 To 1,000, Deduct	*-116.50*	
		For >1,000, Deduct	*-146.83*	
26 56 19 00-0116	EA	9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY)	817.21	140.42
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-40.86*	
		For >100 To 250, Deduct	*-61.29*	
		For >250 To 500, Deduct	*-95.13*	
		For >500 To 1,000, Deduct	*-128.97*	
		For >1,000, Deduct	*-162.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0117	EA	13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY)	971.45	144.21
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-48.57*	
		For >100 To 250, Deduct	*-72.86*	
		For >250 To 500, Deduct	*-114.22*	
		For >500 To 1,000, Deduct	*-155.58*	
		For >1,000, Deduct	*-196.94*	
26 56 19 00-0118	EA	19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY)	1,147.34	151.80
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For >50 To 100, Deduct	*-57.37*	
		For >100 To 250, Deduct	*-86.05*	
		For >250 To 500, Deduct	*-135.83*	
		For >500 To 1,000, Deduct	*-185.60*	
		For >1,000, Deduct	*-235.38*	

26 56 19 00-0119 LED Roadway Lighting (Acuity AEL Autobahn) *(26 56 19 00-0034)*

26 56 19 00-0120 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) *(26 56 19 00-0119)*

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0121	EA	4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70)	1,175.47	132.83
		For >50 To 100, Deduct	*-58.77*	
		For >100 To 250, Deduct	*-88.16*	
		For >250 To 500, Deduct	*-140.29*	
		For >500 To 1,000, Deduct	*-192.42*	
		For >1,000, Deduct	*-244.56*	
26 56 19 00-0122	EA	6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70)	1,474.82	136.62
		For >50 To 100, Deduct	*-73.74*	
		For >100 To 250, Deduct	*-110.61*	
		For >250 To 500, Deduct	*-177.52*	
		For >500 To 1,000, Deduct	*-244.43*	
		For >1,000, Deduct	*-311.34*	
26 56 19 00-0123	EA	9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70)	2,083.35	140.42
		For >50 To 100, Deduct	*-104.17*	
		For >100 To 250, Deduct	*-156.25*	
		For >250 To 500, Deduct	*-253.40*	
		For >500 To 1,000, Deduct	*-350.54*	
		For >1,000, Deduct	*-447.69*	
26 56 19 00-0124	EA	13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70)	2,695.23	145.96
		For >50 To 100, Deduct	*-134.76*	
		For >100 To 250, Deduct	*-202.14*	
		For >250 To 500, Deduct	*-329.61*	
		For >500 To 1,000, Deduct	*-457.07*	
		For >1,000, Deduct	*-584.53*	
26 56 19 00-0125	EA	17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70)	3,293.92	150.05
		For >50 To 100, Deduct	*-164.70*	
		For >100 To 250, Deduct	*-247.04*	
		For >250 To 500, Deduct	*-404.24*	
		For >500 To 1,000, Deduct	*-561.43*	
		For >1,000, Deduct	*-718.63*	

26 56 19 00-0126 LED Roadway Lighting (Leotek) *(26 56 19 00-0034)*

26 56 19 00-0127 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) *(26 56 19 00-0126)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0128	EA	Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL)	590.49	132.83
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-29.52*	
		For >100 To 250, Deduct	*-44.29*	
		For >250 To 500, Deduct	*-67.17*	
		For >500 To 1,000, Deduct	*-90.05*	
		For >1,000, Deduct	*-112.94*	
26 56 19 00-0129	EA	Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL)	603.96	134.28
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-30.20*	
		For >100 To 250, Deduct	*-45.30*	
		For >250 To 500, Deduct	*-68.78*	
		For >500 To 1,000, Deduct	*-92.26*	
		For >1,000, Deduct	*-115.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0130	EA	Up To 5,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL)	647.89	135.16
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-32.39*	
		For >100 To 250, Deduct	*-48.59*	
		For >250 To 500, Deduct	*-74.23*	
		For >500 To 1,000, Deduct	*-99.86*	
		For >1,000, Deduct	*-125.50*	
26 56 19 00-0131	EA	Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL)	759.65	140.42
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-37.98*	
		For >100 To 250, Deduct	*-56.97*	
		For >250 To 500, Deduct	*-87.94*	
		For >500 To 1,000, Deduct	*-118.90*	
		For >1,000, Deduct	*-149.86*	
26 56 19 00-0132	EA	Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL)	898.02	144.21
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-44.90*	
		For >100 To 250, Deduct	*-67.35*	
		For >250 To 500, Deduct	*-105.04*	
		For >500 To 1,000, Deduct	*-142.73*	
		For >1,000, Deduct	*-180.42*	
26 56 19 00-0133	EA	Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL)	902.69	146.55
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-45.13*	
		For >100 To 250, Deduct	*-67.70*	
		For >250 To 500, Deduct	*-105.51*	
		For >500 To 1,000, Deduct	*-143.32*	
		For >1,000, Deduct	*-181.12*	
26 56 19 00-0134	EA	Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL)	1,120.40	148.88
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-56.02*	
		For >100 To 250, Deduct	*-84.03*	
		For >250 To 500, Deduct	*-132.61*	
		For >500 To 1,000, Deduct	*-181.18*	
		For >1,000, Deduct	*-229.76*	
26 56 19 00-0135	EA	Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL)	1,176.87	151.80
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-58.84*	
		For >100 To 250, Deduct	*-88.27*	
		For >250 To 500, Deduct	*-139.52*	
		For >500 To 1,000, Deduct	*-190.77*	
		For >1,000, Deduct	*-242.03*	
26 56 19 00-0136	EA	Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL)	1,320.76	154.14
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-66.04*	
		For >100 To 250, Deduct	*-99.06*	
		For >250 To 500, Deduct	*-157.39*	
		For >500 To 1,000, Deduct	*-215.72*	
		For >1,000, Deduct	*-274.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0137	EA	Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL)	1,420.36	156.47
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-71.02*	
		For >100 To 250, Deduct	*-106.53*	
		For >250 To 500, Deduct	*-169.72*	
		For >500 To 1,000, Deduct	*-232.92*	
		For >1,000, Deduct	*-296.11*	
26 56 19 00-0138	EA	Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL)	692.55	134.28
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-34.63*	
		For >100 To 250, Deduct	*-51.94*	
		For >250 To 500, Deduct	*-79.85*	
		For >500 To 1,000, Deduct	*-107.77*	
		For >1,000, Deduct	*-135.68*	
26 56 19 00-0139	EA	Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL)	764.94	137.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-38.25*	
		For >100 To 250, Deduct	*-57.37*	
		For >250 To 500, Deduct	*-88.73*	
		For >500 To 1,000, Deduct	*-120.09*	
		For >1,000, Deduct	*-151.44*	
26 56 19 00-0140	EA	Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL)	829.26	140.42
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-41.46*	
		For >100 To 250, Deduct	*-62.19*	
		For >250 To 500, Deduct	*-96.64*	
		For >500 To 1,000, Deduct	*-131.08*	
		For >1,000, Deduct	*-165.52*	
26 56 19 00-0141	EA	Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL)	884.19	143.62
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-44.21*	
		For >100 To 250, Deduct	*-66.31*	
		For >250 To 500, Deduct	*-103.34*	
		For >500 To 1,000, Deduct	*-140.37*	
		For >1,000, Deduct	*-177.40*	
26 56 19 00-0142	EA	Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL)	941.38	144.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-47.07*	
		For >100 To 250, Deduct	*-70.60*	
		For >250 To 500, Deduct	*-110.43*	
		For >500 To 1,000, Deduct	*-150.26*	
		For >1,000, Deduct	*-190.09*	
26 56 19 00-0143	EA	Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL)	1,131.17	150.05
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-56.56*	
		For >100 To 250, Deduct	*-84.84*	
		For >250 To 500, Deduct	*-133.89*	
		For >500 To 1,000, Deduct	*-182.95*	
		For >1,000, Deduct	*-232.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0144	EA	Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL)	1,286.79	152.97
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-64.34*	
		For >100 To 250, Deduct	*-96.51*	
		For >250 To 500, Deduct	*-153.20*	
		For >500 To 1,000, Deduct	*-209.89*	
		For >1,000, Deduct	*-266.58*	
26 56 19 00-0145	EA	Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL)	1,372.32	153.56
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-68.62*	
		For >100 To 250, Deduct	*-102.92*	
		For >250 To 500, Deduct	*-163.86*	
		For >500 To 1,000, Deduct	*-224.80*	
		For >1,000, Deduct	*-285.74*	
26 56 19 00-0146	EA	Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL)	1,453.86	155.30
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-72.69*	
		For >100 To 250, Deduct	*-109.04*	
		For >250 To 500, Deduct	*-173.97*	
		For >500 To 1,000, Deduct	*-238.90*	
		For >1,000, Deduct	*-303.82*	
26 56 19 00-0147	EA	Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP)	742.38	146.55
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-37.12*	
		For >100 To 250, Deduct	*-55.68*	
		For >250 To 500, Deduct	*-85.47*	
		For >500 To 1,000, Deduct	*-115.26*	
		For >1,000, Deduct	*-145.05*	
26 56 19 00-0148	EA	Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP)	808.58	148.01
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-40.43*	
		For >100 To 250, Deduct	*-60.64*	
		For >250 To 500, Deduct	*-93.67*	
		For >500 To 1,000, Deduct	*-126.70*	
		For >1,000, Deduct	*-159.73*	
26 56 19 00-0149	EA	Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL)	561.18	134.00
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-28.06*	
		For >100 To 250, Deduct	*-42.09*	
		For >250 To 500, Deduct	*-63.45*	
		For >500 To 1,000, Deduct	*-84.81*	
		For >1,000, Deduct	*-106.17*	
26 56 19 00-0150	EA	Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL)	571.96	135.16
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-28.60*	
		For >100 To 250, Deduct	*-42.90*	
		For >250 To 500, Deduct	*-64.74*	
		For >500 To 1,000, Deduct	*-86.58*	
		For >1,000, Deduct	*-108.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0151	EA	Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL)	625.72	137.79
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-31.29*	
		For >100 To 250, Deduct	*-46.93*	
		For >250 To 500, Deduct	*-71.33*	
		For >500 To 1,000, Deduct	*-95.72*	
		For >1,000, Deduct	*-120.12*	
26 56 19 00-0152	EA	Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL)	991.73	148.88
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-49.59*	
		For >100 To 250, Deduct	*-74.38*	
		For >250 To 500, Deduct	*-116.52*	
		For >500 To 1,000, Deduct	*-158.66*	
		For >1,000, Deduct	*-200.81*	
26 56 19 00-0153	EA	Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL)	1,313.26	153.56
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-65.66*	
		For >100 To 250, Deduct	*-98.49*	
		For >250 To 500, Deduct	*-156.48*	
		For >500 To 1,000, Deduct	*-214.47*	
		For >1,000, Deduct	*-272.45*	
26 56 19 00-0154	EA	Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL)	1,162.55	154.14
		For LightGrid™ Wireless Outdoor Controller, Add	*20.00*	
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-58.13*	
		For >100 To 250, Deduct	*-87.19*	
		For >250 To 500, Deduct	*-137.61*	
		For >500 To 1,000, Deduct	*-188.03*	
		For >1,000, Deduct	*-238.45*	
26 56 19 00-0155	EA	Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY)	536.46	134.28
		For Twist Lock Shorting Cap, Add	*10.04*	
		For ANSI 7-wire Photocontrol Receptacle, Add	*30.13*	
		For Ripley Long-Life Twist Lock Photocontrol, Add	*53.92*	
		For >50 To 100, Deduct	*-26.82*	
		For >100 To 250, Deduct	*-40.23*	
		For >250 To 500, Deduct	*-60.34*	
		For >500 To 1,000, Deduct	*-80.45*	
		For >1,000, Deduct	*-100.56*	

26 56 19 00-0156 LED, Area Fixtures *(26 56 19)*

26 56 19 00-0157 Pole Mount, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0158 Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX) *(26 56 19 00-0157)*

Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0159	EA	20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,457.81	99.25
		For >50 To 100, Deduct	*-122.89*	
		For >100 To 250, Deduct	*-184.34*	
		For >250 To 500, Deduct	*-302.26*	
		For >500 To 1,000, Deduct	*-420.19*	
		For >1,000, Deduct	*-538.12*	
26 56 19 00-0160	EA	40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED)	2,650.24	105.09
		For >50 To 100, Deduct	*-132.51*	
		For >100 To 250, Deduct	*-198.77*	
		For >250 To 500, Deduct	*-326.03*	
		For >500 To 1,000, Deduct	*-453.28*	
		For >1,000, Deduct	*-580.54*	
26 56 19 00-0161	EA	80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,854.33	116.77
		For >50 To 100, Deduct	*-142.72*	
		For >100 To 250, Deduct	*-214.07*	
		For >250 To 500, Deduct	*-350.95*	
		For >500 To 1,000, Deduct	*-487.83*	
		For >1,000, Deduct	*-624.71*	
26 56 19 00-0162	EA	100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED)	2,866.01	122.60
		For >50 To 100, Deduct	*-143.30*	
		For >100 To 250, Deduct	*-214.95*	
		For >250 To 500, Deduct	*-352.12*	
		For >500 To 1,000, Deduct	*-489.29*	
		For >1,000, Deduct	*-626.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0163		Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) *(26 56 19 00-0157)* Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0164	EA	40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,345.73	105.09
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*41.70*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-67.29*	
		For >100 To 250, Deduct	*-100.93*	
		For >250 To 500, Deduct	*-162.96*	
		For >500 To 1,000, Deduct	*-224.99*	
		For >1,000, Deduct	*-287.03*	
26 56 19 00-0165	EA	60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	1,630.15	110.93
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*42.28*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-81.51*	
		For >100 To 250, Deduct	*-122.26*	
		For >250 To 500, Deduct	*-198.22*	
		For >500 To 1,000, Deduct	*-274.18*	
		For >1,000, Deduct	*-350.14*	
26 56 19 00-0166	EA	80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,024.05	116.77
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*42.87*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-101.20*	
		For >100 To 250, Deduct	*-151.80*	
		For >250 To 500, Deduct	*-247.17*	
		For >500 To 1,000, Deduct	*-342.53*	
		For >1,000, Deduct	*-437.90*	
26 56 19 00-0167	EA	100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,308.49	122.60
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*43.45*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-115.42*	
		For >100 To 250, Deduct	*-173.14*	
		For >250 To 500, Deduct	*-282.43*	
		For >500 To 1,000, Deduct	*-391.72*	
		For >1,000, Deduct	*-501.02*	
26 56 19 00-0168	EA	120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,592.92	128.45
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*44.04*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-129.65*	
		For >100 To 250, Deduct	*-194.47*	
		For >250 To 500, Deduct	*-317.69*	
		For >500 To 1,000, Deduct	*-440.92*	
		For >1,000, Deduct	*-564.14*	
26 56 19 00-0169	EA	140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	2,964.55	134.28
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*44.62*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-148.23*	
		For >100 To 250, Deduct	*-222.34*	
		For >250 To 500, Deduct	*-363.85*	
		For >500 To 1,000, Deduct	*-505.37*	
		For >1,000, Deduct	*-646.88*	
26 56 19 00-0170	EA	160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG)	3,248.98	140.12
		For Backlight Shielding, Add	*25.98*	
		For Type II Medium Optic, Add	*45.20*	
		For 480 Volt, Add	*111.02*	
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-162.45*	
		For >100 To 250, Deduct	*-243.67*	
		For >250 To 500, Deduct	*-399.12*	
		For >500 To 1,000, Deduct	*-554.56*	
		For >1,000, Deduct	*-710.00*	
26 56 19 00-0171		Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) *(26 56 19 00-0157)* Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0172	EA	120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	2,391.53	128.45
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For Bird Spikes, Add	*47.32*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For 480 Volt, Add	*98.48*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.84*	
		For >50 To 100, Deduct	*-119.58*	
		For >100 To 250, Deduct	*-179.36*	
		For >250 To 500, Deduct	*-292.52*	
		For >500 To 1,000, Deduct	*-405.67*	
		For >1,000, Deduct	*-518.83*	
26 56 19 00-0173	EA	240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO)	4,058.36	157.64
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	*21.88*	
		For 5,000K Color Temperature, Add	*54.71*	
		For Fuse, Add	*65.65*	
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For Bird Spikes, Add	*70.92*	
		For Multi-Level, Add	*142.23*	
		For 1,000mA Driver, Add	*183.82*	
		For 480 Volt, Add	*196.94*	
		For >50 To 100, Deduct	*-202.92*	
		For >100 To 250, Deduct	*-304.38*	
		For >250 To 500, Deduct	*-499.41*	
		For >500 To 1,000, Deduct	*-694.45*	
		For >1,000, Deduct	*-889.49*	

26 56 19 00-0174 Wall Mount, LED Area Fixtures *(26 56 19 00-0156)*

26 56 19 00-0175 Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW) *(26 56 19 00-0174)*

Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.

26 56 19 00-0176	EA	20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,067.89	99.25
		For >50 To 100, Deduct	*-53.39*	
		For >100 To 250, Deduct	*-80.09*	
		For >250 To 500, Deduct	*-128.52*	
		For >500 To 1,000, Deduct	*-176.96*	
		For >1,000, Deduct	*-225.39*	
26 56 19 00-0177	EA	30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED)	1,091.24	110.93
		For >50 To 100, Deduct	*-54.56*	
		For >100 To 250, Deduct	*-81.84*	
		For >250 To 500, Deduct	*-130.86*	
		For >500 To 1,000, Deduct	*-179.87*	
		For >1,000, Deduct	*-228.89*	

26 56 19 00-0178 Surface Mount, LED Parking Structure Fixtures *(26 56 19 00-0156)*

26 56 19 00-0179 Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0180	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,182.45	105.09
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-59.12*	
		For >100 To 250, Deduct	*-88.68*	
		For >250 To 500, Deduct	*-142.55*	
		For >500 To 1,000, Deduct	*-196.42*	
		For >1,000, Deduct	*-250.29*	
26 56 19 00-0181	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,466.87	110.93
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-73.34*	
		For >100 To 250, Deduct	*-110.02*	
		For >250 To 500, Deduct	*-177.81*	
		For >500 To 1,000, Deduct	*-245.61*	
		For >1,000, Deduct	*-313.41*	
26 56 19 00-0182	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	1,751.30	116.77
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-87.57*	
		For >100 To 250, Deduct	*-131.35*	
		For >250 To 500, Deduct	*-213.07*	
		For >500 To 1,000, Deduct	*-294.80*	
		For >1,000, Deduct	*-376.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0183	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG)	2,035.73	122.60
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-101.79*	
		For >100 To 250, Deduct	*-152.68*	
		For >250 To 500, Deduct	*-248.34*	
		For >500 To 1,000, Deduct	*-343.99*	
		For >1,000, Deduct	*-439.65*	

26 56 19 00-0184 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0185	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,137.92	105.09
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-56.90*	
		For >100 To 250, Deduct	*-85.34*	
		For >250 To 500, Deduct	*-136.99*	
		For >500 To 1,000, Deduct	*-188.63*	
		For >1,000, Deduct	*-240.27*	
26 56 19 00-0186	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304)	1,259.06	110.93
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-62.95*	
		For >100 To 250, Deduct	*-94.43*	
		For >250 To 500, Deduct	*-151.84*	
		For >500 To 1,000, Deduct	*-209.24*	
		For >1,000, Deduct	*-266.65*	

26 56 19 00-0187 Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG) *(26 56 19 00-0178)*

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0188	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL)	990.93	105.09
		For >50 To 100, Deduct	*-49.55*	
		For >100 To 250, Deduct	*-74.32*	
		For >250 To 500, Deduct	*-118.61*	
		For >500 To 1,000, Deduct	*-162.90*	
		For >1,000, Deduct	*-207.20*	

26 56 19 00-0189 Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG) *(26 56 19 00-0178)*

Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.

26 56 19 00-0190	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,012.48	110.93
		For >50 To 100, Deduct	*-100.62*	
		For >100 To 250, Deduct	*-150.94*	
		For >250 To 500, Deduct	*-246.01*	
		For >500 To 1,000, Deduct	*-341.09*	
		For >1,000, Deduct	*-436.17*	
26 56 19 00-0191	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG)	2,035.84	122.60
		For >50 To 100, Deduct	*-101.79*	
		For >100 To 250, Deduct	*-152.69*	
		For >250 To 500, Deduct	*-248.35*	
		For >500 To 1,000, Deduct	*-344.01*	
		For >1,000, Deduct	*-439.67*	

26 56 19 00-0192 Surface Mount, LED Canopy Fixtures *(26 56 19 00-0156)*

26 56 19 00-0193 Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG) *(26 56 19 00-0192)*

Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0194	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,379.13	105.09
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-68.96*	
		For >100 To 250, Deduct	*-103.43*	
		For >250 To 500, Deduct	*-167.14*	
		For >500 To 1,000, Deduct	*-230.84*	
		For >1,000, Deduct	*-294.54*	
26 56 19 00-0195	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,663.55	110.93
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-83.18*	
		For >100 To 250, Deduct	*-124.77*	
		For >250 To 500, Deduct	*-202.40*	
		For >500 To 1,000, Deduct	*-280.03*	
		For >1,000, Deduct	*-357.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0196	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	1,947.98	116.77
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-97.40*	
		For >100 To 250, Deduct	*-146.10*	
		For >250 To 500, Deduct	*-237.66*	
		For >500 To 1,000, Deduct	*-329.22*	
		For >1,000, Deduct	*-420.78*	
26 56 19 00-0197	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,232.41	122.60
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-111.62*	
		For >100 To 250, Deduct	*-167.43*	
		For >250 To 500, Deduct	*-272.92*	
		For >500 To 1,000, Deduct	*-378.41*	
		For >1,000, Deduct	*-483.90*	
26 56 19 00-0198	EA	120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,516.84	128.45
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-125.84*	
		For >100 To 250, Deduct	*-188.76*	
		For >250 To 500, Deduct	*-308.18*	
		For >500 To 1,000, Deduct	*-427.60*	
		For >1,000, Deduct	*-547.02*	
26 56 19 00-0199	EA	140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	2,910.74	134.28
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-145.54*	
		For >100 To 250, Deduct	*-218.31*	
		For >250 To 500, Deduct	*-357.13*	
		For >500 To 1,000, Deduct	*-495.95*	
		For >1,000, Deduct	*-634.77*	
26 56 19 00-0200	EA	160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,195.17	140.12
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-159.76*	
		For >100 To 250, Deduct	*-239.64*	
		For >250 To 500, Deduct	*-392.39*	
		For >500 To 1,000, Deduct	*-545.14*	
		For >1,000, Deduct	*-697.89*	
26 56 19 00-0201	EA	200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	3,764.02	151.80
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-188.20*	
		For >100 To 250, Deduct	*-282.30*	
		For >250 To 500, Deduct	*-462.91*	
		For >500 To 1,000, Deduct	*-643.52*	
		For >1,000, Deduct	*-824.13*	
26 56 19 00-0202	EA	240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG)	4,321.21	157.64
		For Multi-Level Drive Currents, Add	*259.76*	
		For >50 To 100, Deduct	*-216.06*	
		For >100 To 250, Deduct	*-324.09*	
		For >250 To 500, Deduct	*-532.27*	
		For >500 To 1,000, Deduct	*-740.45*	
		For >1,000, Deduct	*-948.63*	

26 56 19 00-0203 Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250) *(26 56 19 00-0192)*

Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0204	EA	8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250)	933.05	116.77
		For >50 To 100, Deduct	*-46.65*	
		For >100 To 250, Deduct	*-69.98*	
		For >250 To 500, Deduct	*-110.79*	
		For >500 To 1,000, Deduct	*-151.61*	
		For >1,000, Deduct	*-192.42*	

26 56 19 00-0205 Recessed Mount, LED Soffit Fixtures *(26 56 19 00-0156)*

26 56 19 00-0206 Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304) *(26 56 19 00-0205)*

Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.

26 56 19 00-0207	EA	40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,160.18	105.09
		For >50 To 100, Deduct	*-58.01*	
		For >100 To 250, Deduct	*-87.01*	
		For >250 To 500, Deduct	*-139.77*	
		For >500 To 1,000, Deduct	*-192.52*	
		For >1,000, Deduct	*-245.28*	
26 56 19 00-0208	EA	60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304)	1,281.32	110.93
		For >50 To 100, Deduct	*-64.07*	
		For >100 To 250, Deduct	*-96.10*	
		For >250 To 500, Deduct	*-154.62*	
		For >500 To 1,000, Deduct	*-213.14*	
		For >1,000, Deduct	*-271.66*	

26 56 19 00-0209 Surface Mount, LED Area Fixtures *(26 56 19 00-0156)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0210		Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG) *(26 56 19 00-0209)* Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0211	EA	50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	631.66	105.09
		For >50 To 100, Deduct	*-31.58*	
		For >100 To 250, Deduct	*-47.37*	
		For >250 To 500, Deduct	*-73.70*	
		For >500 To 1,000, Deduct	*-100.03*	
		For >1,000, Deduct	*-126.36*	
26 56 19 00-0212	EA	50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,455.93	105.09
		For >50 To 100, Deduct	*-72.80*	
		For >100 To 250, Deduct	*-109.19*	
		For >250 To 500, Deduct	*-176.74*	
		For >500 To 1,000, Deduct	*-244.28*	
		For >1,000, Deduct	*-311.82*	
26 56 19 00-0213	EA	68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,197.48	116.77
		For >50 To 100, Deduct	*-59.87*	
		For >100 To 250, Deduct	*-89.81*	
		For >250 To 500, Deduct	*-143.85*	
		For >500 To 1,000, Deduct	*-197.88*	
		For >1,000, Deduct	*-251.92*	
26 56 19 00-0214	EA	68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG)	1,494.93	116.77
		For >50 To 100, Deduct	*-74.75*	
		For >100 To 250, Deduct	*-112.12*	
		For >250 To 500, Deduct	*-181.03*	
		For >500 To 1,000, Deduct	*-249.94*	
		For >1,000, Deduct	*-318.84*	
26 56 19 00-0215		Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®) *(26 56 19 00-0209)* Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0216	EA	13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A)	203.39	36.74
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-10.17*	
		For >100 To 250, Deduct	*-15.25*	
		For >250 To 500, Deduct	*-23.89*	
		For >500 To 1,000, Deduct	*-32.53*	
		For >1,000, Deduct	*-41.17*	
26 56 19 00-0217	EA	20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A)	233.55	36.74
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-11.68*	
		For >100 To 250, Deduct	*-17.52*	
		For >250 To 500, Deduct	*-27.66*	
		For >500 To 1,000, Deduct	*-37.81*	
		For >1,000, Deduct	*-47.96*	
26 56 19 00-0218	EA	30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A)	290.99	36.74
		For Knuckle Mount Or Trunnion Mount Base, Add	*45.00*	
		For >50 To 100, Deduct	*-14.55*	
		For >100 To 250, Deduct	*-21.82*	
		For >250 To 500, Deduct	*-34.84*	
		For >500 To 1,000, Deduct	*-47.86*	
		For >1,000, Deduct	*-60.88*	
26 56 19 00-0219		Surface Mount, LED Facade Fixtures *(26 56 19 00-0156)*		
26 56 19 00-0220		Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™) *(26 56 19 00-0219)*		
26 56 19 00-0221	EA	12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	767.29	42.88
		For >50 To 100, Deduct	*-38.36*	
		For >100 To 250, Deduct	*-57.55*	
		For >250 To 500, Deduct	*-94.28*	
		For >500 To 1,000, Deduct	*-131.01*	
		For >1,000, Deduct	*-167.75*	
26 56 19 00-0222	EA	24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,264.27	39.15
		For >50 To 100, Deduct	*-63.21*	
		For >100 To 250, Deduct	*-94.82*	
		For >250 To 500, Deduct	*-156.64*	
		For >500 To 1,000, Deduct	*-218.45*	
		For >1,000, Deduct	*-280.27*	
26 56 19 00-0223	EA	36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,621.51	32.63
		For >50 To 100, Deduct	*-81.08*	
		For >100 To 250, Deduct	*-121.61*	
		For >250 To 500, Deduct	*-201.52*	
		For >500 To 1,000, Deduct	*-281.43*	
		For >1,000, Deduct	*-361.34*	
26 56 19 00-0224	EA	48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™)	1,978.72	26.10
		For >50 To 100, Deduct	*-98.94*	
		For >100 To 250, Deduct	*-148.40*	
		For >250 To 500, Deduct	*-246.41*	
		For >500 To 1,000, Deduct	*-344.41*	
		For >1,000, Deduct	*-442.42*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0225		Post Top, LED Area Fixtures *(26 56 19 00-0156)*		
26 56 19 00-0226		Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA) *(26 56 19 00-0225)* Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0227	EA	1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1)	2,122.75	160.56
		For >50 To 100, Deduct	*-106.14*	
		For >100 To 250, Deduct	*-159.21*	
		For >250 To 500, Deduct	*-257.32*	
		For >500 To 1,000, Deduct	*-355.43*	
		For >1,000, Deduct	*-453.54*	
26 56 19 00-0228	EA	3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2)	2,352.63	160.56
		For >50 To 100, Deduct	*-117.63*	
		For >100 To 250, Deduct	*-176.45*	
		For >250 To 500, Deduct	*-286.05*	
		For >500 To 1,000, Deduct	*-395.65*	
		For >1,000, Deduct	*-505.26*	
26 56 19 00-0229	EA	77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3)	2,534.34	160.56
		For >50 To 100, Deduct	*-126.72*	
		For >100 To 250, Deduct	*-190.08*	
		For >250 To 500, Deduct	*-308.76*	
		For >500 To 1,000, Deduct	*-427.45*	
		For >1,000, Deduct	*-546.14*	
26 56 19 00-0230		Post Top, LED Area Fixtures (General Electric EPAS) *(26 56 19 00-0225)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0231	EA	3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3)	2,516.94	160.56
		For >50 To 100, Deduct	*-125.85*	
		For >100 To 250, Deduct	*-188.77*	
		For >250 To 500, Deduct	*-306.59*	
		For >500 To 1,000, Deduct	*-424.41*	
		For >1,000, Deduct	*-542.23*	
26 56 19 00-0232	EA	6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3)	2,576.00	160.56
		For >50 To 100, Deduct	*-128.80*	
		For >100 To 250, Deduct	*-193.20*	
		For >250 To 500, Deduct	*-313.97*	
		For >500 To 1,000, Deduct	*-434.74*	
		For >1,000, Deduct	*-555.52*	
26 56 19 00-0233		Post Top, LED Area Fixtures (General Electric EPTC) *(26 56 19 00-0225)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0234	EA	3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3)	1,717.30	160.56
		For >50 To 100, Deduct	*-85.87*	
		For >100 To 250, Deduct	*-128.80*	
		For >250 To 500, Deduct	*-206.63*	
		For >500 To 1,000, Deduct	*-284.47*	
		For >1,000, Deduct	*-362.31*	
26 56 19 00-0235	EA	6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3)	1,805.69	160.56
		For >50 To 100, Deduct	*-90.28*	
		For >100 To 250, Deduct	*-135.43*	
		For >250 To 500, Deduct	*-217.68*	
		For >500 To 1,000, Deduct	*-299.94*	
		For >1,000, Deduct	*-382.20*	
26 56 19 00-0236		Post Top, LED Area Fixtures (General Electric EPST) *(26 56 19 00-0225)* Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0237	EA	3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3)	1,315.52	160.56
		For >50 To 100, Deduct	*-65.78*	
		For >100 To 250, Deduct	*-98.66*	
		For >250 To 500, Deduct	*-156.41*	
		For >500 To 1,000, Deduct	*-214.16*	
		For >1,000, Deduct	*-271.91*	
26 56 19 00-0238	EA	6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3)	1,403.91	160.56
		For >50 To 100, Deduct	*-70.20*	
		For >100 To 250, Deduct	*-105.29*	
		For >250 To 500, Deduct	*-167.46*	
		For >500 To 1,000, Deduct	*-229.63*	
		For >1,000, Deduct	*-291.80*	
26 56 19 00-0239		Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR) *(26 56 19 00-0225)* Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0240	EA	13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR)	3,148.82	160.56
		For >50 To 100, Deduct	*-157.44*	
		For >100 To 250, Deduct	*-236.16*	
		For >250 To 500, Deduct	*-385.57*	
		For >500 To 1,000, Deduct	*-534.99*	
		For >1,000, Deduct	*-684.40*	
26 56 19 00-0241		LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA) *(26 56 19 00-0225)*		
		Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0242	EA	LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53)	853.01	87.57
		For 0 To 10 Volt Dimming, Add	*65.65*	
		For >50 To 100, Deduct	*-42.65*	
		For >100 To 250, Deduct	*-63.98*	
		For >250 To 500, Deduct	*-102.25*	
		For >500 To 1,000, Deduct	*-140.52*	
		For >1,000, Deduct	*-178.79*	
26 56 19 00-0243		LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) *(26 56 19 00-0225)*		
		Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling.		
26 56 19 00-0244	EA	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT)	543.47	18.69
		For Backlight Control Shield, Add	*42.80*	
		For >50 To 100, Deduct	*-27.17*	
		For >100 To 250, Deduct	*-40.76*	
		For >250 To 500, Deduct	*-66.07*	
		For >500 To 1,000, Deduct	*-91.37*	
		For >1,000, Deduct	*-116.68*	
26 56 19 00-0245		Surface Mount, LED Strip Fixtures (Sylvania) *(26 56 19 00-0156)*		
26 56 19 00-0246	EA	4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D)	528.50	34.12
		For >50 To 100, Deduct	*-26.43*	
		For >100 To 250, Deduct	*-39.64*	
		For >250 To 500, Deduct	*-64.78*	
		For >500 To 1,000, Deduct	*-89.92*	
		For >1,000, Deduct	*-115.07*	
26 56 21		**HID Exterior Lighting** *(26 56)*		
26 56 21 00-0001		High Mast Fixtures *(26 56 21)*		
26 56 21 00-0002		Metal Halide, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0003	EA	400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	1,975.49	144.53
26 56 21 00-0004	EA	400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,114.17	144.53
26 56 21 00-0005	EA	750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,089.78	165.11
26 56 21 00-0006	EA	750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,172.99	165.11
26 56 21 00-0007	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux	2,186.43	206.39
26 56 21 00-0008	EA	1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,269.64	206.39
26 56 21 00-0009		High Pressure Sodium, High Mast Fixtures *(26 56 21 00-0001)*		
26 56 21 00-0010	EA	400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux	2,042.30	144.53
26 56 21 00-0011	EA	400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux	2,125.51	144.53
26 56 21 00-0012	EA	600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,478.20	152.78
26 56 21 00-0013	EA	750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,536.31	165.11
26 56 21 00-0014	EA	1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux	2,674.56	206.39
26 56 21 00-0015		HID, Pole Mounted *(26 56 21)*		
26 56 21 00-0016		Metal Halide, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0017	EA	175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	684.45	235.68
26 56 21 00-0018	EA	250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	774.48	255.82
26 56 21 00-0019	EA	400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	912.26	275.19
26 56 21 00-0020	EA	1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture	1,139.49	322.53
26 56 21 00-0021		High Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0022	EA	100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	795.58	275.19
26 56 21 00-0023	EA	150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	821.48	275.19
26 56 21 00-0024	EA	175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	860.13	275.19
26 56 21 00-0025	EA	250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	966.95	275.19
26 56 21 00-0026	EA	400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,115.18	275.19
26 56 21 00-0027	EA	1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture	1,086.83	275.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0028		Low Pressure Sodium, Pole Mounted *(26 56 21 00-0015)*		
26 56 21 00-0029	EA	135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed	700.76	149.71
26 56 21 00-0030	EA	135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	724.03	220.15
26 56 21 00-0031	EA	180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed	873.33	220.15
26 56 21 00-0032		Metal Halide, Area Fixtures *(26 56 21)*		
26 56 21 00-0033		Metal Halide, Pole Mount, Area Fixtures *(26 56 21 00-0032)*		
		Note: Includes pulse start ballast.		
26 56 21 00-0034	EA	150 Watt, Metal Halide Area Fixture, Pole Mount	1,126.59	146.92
26 56 21 00-0035	EA	175 Watt, Metal Halide Area Fixture, Pole Mount	1,236.11	161.61
26 56 21 00-0036	EA	250 Watt, Metal Halide Area Fixture, Pole Mount	1,368.28	176.30
26 56 21 00-0037	EA	400 Watt, Metal Halide Area Fixture, Pole Mount	1,437.22	205.68
26 56 21 00-0038		High Pressure Sodium, Area Fixtures *(26 56 21)*		
26 56 21 00-0039		Pole Mount, High Pressure Sodium Area Fixtures *(26 56 21 00-0038)*		
26 56 21 00-0040	EA	100 Watt, High Pressure Sodium Area Fixture, Pole Mount	938.26	117.54
26 56 21 00-0041	EA	150 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,011.37	146.92
26 56 21 00-0042	EA	250 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,088.31	176.30
26 56 21 00-0043	EA	400 Watt, High Pressure Sodium Area Fixture, Pole Mount	1,137.20	205.68
26 56 21 00-0044		Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21)*		
26 56 21 00-0045		Metal Halide, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0046	EA	175 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	637.85	220.15
26 56 21 00-0047	EA	250 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	732.05	247.67
26 56 21 00-0048	EA	400 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	888.45	275.19
26 56 21 00-0049	EA	1,000 Watt Metal Halide, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,117.35	322.53
26 56 21 00-0050		High Pressure Sodium, Surface Mounted, Rectangular Exterior Area Fixture *(26 56 21 00-0044)*		
26 56 21 00-0051	EA	70 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	622.64	188.23
26 56 21 00-0052	EA	100 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	678.81	200.34
26 56 21 00-0053	EA	150 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture (LumaPro)	733.18	211.34
26 56 21 00-0054	EA	175 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	757.02	220.15
26 56 21 00-0055	EA	250 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	843.25	247.67
26 56 21 00-0056	EA	400 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	909.68	275.19
26 56 21 00-0057	EA	1,000 Watt High Pressure Sodium, Surface Mounted, Enclosed And Gasketed, Rectangular Exterior Area Fixture	1,244.74	322.53
26 56 21 00-0058		Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21)*		
26 56 21 00-0059		High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0060	EA	35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	797.43	148.60
26 56 21 00-0061	EA	50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	822.86	165.11
26 56 21 00-0062	EA	70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	874.58	188.23
26 56 21 00-0063	EA	100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	896.51	200.34
26 56 21 00-0064	EA	150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	918.88	211.34
26 56 21 00-0065	EA	175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	963.31	220.15
26 56 21 00-0066	EA	250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,057.03	247.67
26 56 21 00-0067	EA	400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,296.48	275.19
26 56 21 00-0068		Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures *(26 56 21 00-0058)*		
		Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0069	EA	50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	877.32	165.11
26 56 21 00-0070	EA	70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	920.76	188.23
26 56 21 00-0071	EA	100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	950.43	200.34
26 56 21 00-0072	EA	150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	989.38	211.34
26 56 21 00-0073	EA	175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,009.56	220.15
26 56 21 00-0074	EA	250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,105.65	247.67
26 56 21 00-0075	EA	400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,425.69	275.19
26 56 21 00-0076		Wall Packs *(26 56 21)*		
26 56 21 00-0077		Non-Cutoff, Polycarbonate Lens, Mini Wall Packs *(26 56 21 00-0076)*		
		Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0078	EA	13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	342.18	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0079	EA	50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	369.96	51.02
26 56 21 00-0080	EA	35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	369.96	51.02
26 56 21 00-0081	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	504.66	51.02
26 56 21 00-0082		**Semi-Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0083	EA	42 Watt Compact Fluorescent, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	722.08	51.02
26 56 21 00-0084	EA	50 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	732.08	51.02
26 56 21 00-0085	EA	70 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	740.72	51.02
26 56 21 00-0086	EA	100 Watt Metal Halide, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	724.96	51.02
26 56 21 00-0087	EA	70 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	660.13	51.02
26 56 21 00-0088	EA	100 Watt High Pressure Sodium, Semi-Cutoff, Polycarbonate Lens, Mini Wall Pack	624.53	51.02
26 56 21 00-0089		**Cutoff, Polycarbonate Lens, Mini Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0090	EA	50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	763.09	51.02
26 56 21 00-0091	EA	70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	772.20	51.02
26 56 21 00-0092	EA	100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	756.46	51.02
26 56 21 00-0093	EA	70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	769.14	51.02
26 56 21 00-0094	EA	100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	769.14	51.02
26 56 21 00-0095		**Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0096	EA	70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	709.39	67.96
26 56 21 00-0097	EA	100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	709.39	67.96
26 56 21 00-0098	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	660.60	67.96
26 56 21 00-0099	EA	70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	679.30	67.96
26 56 21 00-0100	EA	100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	679.30	67.96
26 56 21 00-0101	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	625.21	67.96
26 56 21 00-0102		**Cutoff, Borosilicate Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0103	EA	70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	738.29	67.96
26 56 21 00-0104	EA	100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	738.29	67.96
26 56 21 00-0105	EA	175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	738.29	67.96
26 56 21 00-0106	EA	70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	709.60	67.96
26 56 21 00-0107	EA	100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	709.60	67.96
26 56 21 00-0108	EA	150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	709.60	67.96
26 56 21 00-0109		**Full Cutoff, Tempered Glass Lens, Small Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0110	EA	175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	971.80	67.96
26 56 21 00-0111		**Cutoff, Borosilicate Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. Lithonia TWR2.		
26 56 21 00-0112	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	894.64	84.19
26 56 21 00-0113	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	960.78	84.19
26 56 21 00-0114	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 9-3/8".	1,039.63	84.19
26 56 21 00-0115	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack Note: 9-1/4" x 17-7/8" x 12-1/2".	1,061.33	84.19
26 56 21 00-0116		**Cutoff, Tempered Glass Lens, Medium Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.		
26 56 21 00-0117	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	979.71	84.19
26 56 21 00-0118	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack	1,054.02	84.19
26 56 21 00-0119		**Non-Cutoff, Polycarbonate Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.		
26 56 21 00-0120	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	883.29	102.05
26 56 21 00-0121	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	804.58	102.05
26 56 21 00-0122	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	865.07	102.05
26 56 21 00-0123	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	871.10	102.05
26 56 21 00-0124	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack	877.41	102.05
26 56 21 00-0125		**Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs** *(26 56 21 00-0076)*		
		Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.		
26 56 21 00-0126	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	883.31	102.05
26 56 21 00-0127	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	909.57	102.05
26 56 21 00-0128	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	988.28	102.05
26 56 21 00-0129	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	935.81	102.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0130	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	962.08	102.05
26 56 21 00-0131	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack	1,014.50	102.05
26 56 21 00-0132		Semi-Cutoff, Induction Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0133		Semi-Cutoff, Induction Wall Packs (Everlast®) *(26 56 21 00-0132)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0134	EA	70 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70)	1,203.98	99.25
26 56 21 00-0135	EA	80 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80)	1,226.86	105.09
26 56 21 00-0136	EA	100 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100)	1,249.73	110.93
26 56 21 00-0137	EA	120 Watt, Wall Mount, Semi-Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120)	1,395.85	116.77
26 56 21 00-0138		Non-Cutoff, Polycarbonate Lens, Small Wall Packs *(26 56 21 00-0076)*		
26 56 21 00-0139	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P)	354.42	51.02
26 56 21 00-0140		Induction, Roadway Lighting *(26 56 21)*		
26 56 21 00-0141		Induction Roadway Lighting (US Lighting Tech) *(26 56 21 00-0140)* Note: Includes gray powder coat finish heavy-duty die cast aluminum body and flat glass lens.		
26 56 21 00-0142	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	612.62	175.16
26 56 21 00-0143	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	675.74	180.99
26 56 21 00-0144	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	699.09	192.67
26 56 21 00-0145	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	722.45	204.34
26 56 21 00-0146	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	852.42	210.19
26 56 21 00-0147	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511)	868.21	216.02
26 56 21 00-0148	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	569.42	175.16
26 56 21 00-0149	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	638.71	180.99
26 56 21 00-0150	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	662.06	192.67
26 56 21 00-0151	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512)	685.42	204.34
26 56 21 00-0152		Induction, Area Fixtures *(26 56 21)*		
26 56 21 00-0153		Post Top, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0154		Post Top, Induction Area Fixtures (US Lighting Tech) *(26 56 21 00-0153)* Note: Includes black powder coat finish heavy-duty die cast aluminum body and no-lite lid acrylic lens.		
26 56 21 00-0155	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	692.47	160.56
26 56 21 00-0156	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	752.13	160.56
26 56 21 00-0157	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	752.13	160.56
26 56 21 00-0158	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571)	752.13	160.56
26 56 21 00-0159		Surface Mount, Induction Parking Structure Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0160		Surface Mount, Induction Parking Structure Fixtures (Everlast®) *(26 56 21 00-0159)*		
26 56 21 00-0161	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	629.08	145.96
26 56 21 00-0162	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	669.89	148.88
26 56 21 00-0163	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	679.84	151.80
26 56 21 00-0164	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	689.80	154.72
26 56 21 00-0165	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	699.75	157.64
26 56 21 00-0166	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	713.81	160.56
26 56 21 00-0167	EA	70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	739.51	151.80
26 56 21 00-0168	EA	80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	749.46	154.72
26 56 21 00-0169	EA	100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	759.42	157.64
26 56 21 00-0170	EA	120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC)	790.96	160.56
26 56 21 00-0171		Pole Mount, Induction Area Fixtures *(26 56 21 00-0152)*		
26 56 21 00-0172		Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) *(26 56 21 00-0171)* Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0173	EA	70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70)	1,259.99	99.25
26 56 21 00-0174	EA	80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80)	1,294.08	105.09
26 56 21 00-0175	EA	100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100)	1,328.15	110.93

END OF SECTION 26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

27 05 Common Work Results for Communications *(27)*

27 05 26 Grounding and Bonding for Communications Systems *(27 05)*

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA	25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00) Note: Excludes terminations.	1,027.21	104.50
27 05 26 00-0002	EA	50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00) Note: Excludes terminations.	1,304.69	139.36
27 05 26 00-0003	EA	100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00) Note: Excludes terminations.	2,076.89	208.99
27 05 26 00-0004	EA	Lucent 3B1-EW, Gas Tube Protector Unit	12.38	1.54
27 05 26 00-0005	EA	44 Terminal Copper Ground Bus Bar (Siemens ECGK)	71.62	27.61
27 05 26 00-0006	EA	2" x 1/4" x 12", G Pattern, Grounding Bus Bar	178.46	27.61
27 05 26 00-0007	EA	2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar	193.38	27.61
27 05 26 00-0008	EA	4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar	379.57	27.61
27 05 26 00-0009	EA	#6 AWG, Cable Runway Ground Strap	75.83	5.11
27 05 26 00-0010	EA	1/4" Screw Size, #6 AWG Compression Lug	24.81	5.11
27 05 26 00-0011	EA	3/8" Screw Size, #6 AWG Compression Lug	26.60	5.11
27 05 26 00-0012	EA	Two Mounting Hole, Ground Terminal Block	29.93	5.11

27 05 29 Hangers and Supports for Communications Systems *(27 05)*

See CSI section 26 05 29 00-0000 for hangers and supports.

27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29)*

27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

27 05 29 00-0003	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12)	8.74	2.55
		For >50 To 100, Deduct	*-0.35*	
		For >100 To 250, Deduct	*-0.69*	
		For >250 To 500, Deduct	*-1.29*	
		For >500, Deduct	*-1.90*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Painted Powder Coated Finish, Add	*0.74*	
27 05 29 00-0004	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21)	9.30	2.55
		For >50 To 100, Deduct	*-0.36*	
		For >100 To 250, Deduct	*-0.72*	
		For >250 To 500, Deduct	*-1.34*	
		For >500, Deduct	*-1.95*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Painted Powder Coated Finish, Add	*2.58*	
		For Low Friction Xylan® Coated Finish, Add	*9.20*	
27 05 29 00-0005	EA	2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32)	10.17	2.55
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.40*	
		For >500, Deduct	*-2.04*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Painted Powder Coated Finish, Add	*3.17*	
		For Low Friction Xylan® Coated Finish, Add	*11.44*	
27 05 29 00-0006	EA	4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64)	17.70	2.55
		For >50 To 100, Deduct	*-0.57*	
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 500, Deduct	*-1.97*	
		For >500, Deduct	*-2.79*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	
		For Painted Powder Coated Finish, Add	*1.69*	
		For Low Friction Xylan® Coated Finish, Add	*10.14*	

27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Includes screw.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0008	EA	3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB)	10.06	2.55
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 250, Deduct	*-0.76*	
		For >250 To 500, Deduct	*-1.39*	
		For >500, Deduct	*-2.03*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB)	13.45	2.55
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.65*	
		For >500, Deduct	*-2.37*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB)	15.10	2.55
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.01*	
		For >250 To 500, Deduct	*-1.77*	
		For >500, Deduct	*-2.53*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB)	21.00	2.55
		For >50 To 100, Deduct	*-0.65*	
		For >100 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-2.21*	
		For >500, Deduct	*-3.12*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*1.38*	
		For Work In Restricted Working Space, Add	*1.53*	

27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4)	10.69	2.55
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-1.44*	
		For >500, Deduct	*-2.09*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4)	12.95	2.55
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.90*	
		For >250 To 500, Deduct	*-1.61*	
		For >500, Deduct	*-2.32*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4)	14.12	2.55
		For >50 To 100, Deduct	*-0.48*	
		For >100 To 250, Deduct	*-0.96*	
		For >250 To 500, Deduct	*-1.70*	
		For >500, Deduct	*-2.43*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4)	19.70	2.55
		For >50 To 100, Deduct	*-0.62*	
		For >100 To 250, Deduct	*-1.24*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-2.99*	
		For Work In Restricted Working Space, Add	*1.53*	

27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28)	13.16	2.55
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.34*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28)	16.98	2.55
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 500, Deduct	*-1.91*	
		For >500, Deduct	*-2.72*	
		For Work In Restricted Working Space, Add	*1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28)	17.98	2.55
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 250, Deduct	*-1.15*	
		For >250 To 500, Deduct	*-1.99*	
		For >500, Deduct	*-2.82*	
		For Work In Restricted Working Space, Add	*1.53*	

27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod. See CSI section 26 05 29 00-0403 for threaded rod.

27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6)	10.39	2.55
		For >50 To 100, Deduct	*-0.39*	
		For >100 To 250, Deduct	*-0.78*	
		For >250 To 500, Deduct	*-1.42*	
		For >500, Deduct	*-2.06*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6)	10.91	2.55
		For >50 To 100, Deduct	*-0.40*	
		For >100 To 250, Deduct	*-0.80*	
		For >250 To 500, Deduct	*-1.46*	
		For >500, Deduct	*-2.11*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6)	13.55	2.55
		For >50 To 100, Deduct	*-0.47*	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 500, Deduct	*-1.66*	
		For >500, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*1.53*	

27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0403 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB)	13.25	2.55
		For >50 To 100, Deduct	*-0.46*	
		For >100 To 250, Deduct	*-0.92*	
		For >250 To 500, Deduct	*-1.63*	
		For >500, Deduct	*-2.35*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB)	14.49	2.55
		For >50 To 100, Deduct	*-0.49*	
		For >100 To 250, Deduct	*-0.98*	
		For >250 To 500, Deduct	*-1.73*	
		For >500, Deduct	*-2.47*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB)	20.65	2.55
		For >50 To 100, Deduct	*-0.64*	
		For >100 To 250, Deduct	*-1.29*	
		For >250 To 500, Deduct	*-2.19*	
		For >500, Deduct	*-3.09*	
		For Work In Restricted Working Space, Add	*1.53*	

27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) *(27 05 29 00-0001)*

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A)	13.08	2.55
		For >50 To 100, Deduct	*-0.45*	
		For >100 To 250, Deduct	*-0.91*	
		For >250 To 500, Deduct	*-1.62*	
		For >500, Deduct	*-2.33*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A)	15.29	2.55
		For >50 To 100, Deduct	*-0.51*	
		For >100 To 250, Deduct	*-1.02*	
		For >250 To 500, Deduct	*-1.79*	
		For >500, Deduct	*-2.55*	
		For Work In Restricted Working Space, Add	*1.53*	
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A)	16.46	2.55
		For >50 To 100, Deduct	*-0.54*	
		For >100 To 250, Deduct	*-1.08*	
		For >250 To 500, Deduct	*-1.87*	
		For >500, Deduct	*-2.67*	
		For Work In Restricted Working Space, Add	*1.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A)	22.89	2.55
		For >50 To 100, Deduct	*-0.70*	
		For >100 To 250, Deduct	*-1.40*	
		For >250 To 500, Deduct	*-2.36*	
		For >500, Deduct	*-3.31*	
		For Work In Restricted Working Space, Add	*1.53*	

27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425) *(27 05 29)*

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	38.49	3.37
		For >50 To 100, Deduct	*-1.22*	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 500, Deduct	*-4.16*	
		For >500, Deduct	*-5.89*	
		For Installation On Concrete (Includes Drilling And Fastener), Add	*2.65*	
		For Work In Restricted Working Space, Add	*3.06*	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	39.32	3.37
		For >50 To 100, Deduct	*-1.24*	
		For >100 To 250, Deduct	*-2.48*	
		For >250 To 500, Deduct	*-4.23*	
		For >500, Deduct	*-5.97*	
		For Work In Restricted Working Space, Add	*3.06*	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	43.62	3.37
		For >50 To 100, Deduct	*-1.35*	
		For >100 To 250, Deduct	*-2.69*	
		For >250 To 500, Deduct	*-4.55*	
		For >500, Deduct	*-6.40*	
		For Work In Restricted Working Space, Add	*3.06*	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	38.35	3.37
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 250, Deduct	*-2.43*	
		For >250 To 500, Deduct	*-4.15*	
		For >500, Deduct	*-5.88*	
		For Work In Restricted Working Space, Add	*3.06*	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	40.35	3.37
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 250, Deduct	*-2.53*	
		For >250 To 500, Deduct	*-4.30*	
		For >500, Deduct	*-6.08*	
		For Work In Restricted Working Space, Add	*3.06*	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	42.32	3.37
		For >50 To 100, Deduct	*-1.31*	
		For >100 To 250, Deduct	*-2.63*	
		For >250 To 500, Deduct	*-4.45*	
		For >500, Deduct	*-6.27*	
		For Work In Restricted Working Space, Add	*3.06*	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425)	39.67	3.37
		For >50 To 100, Deduct	*-1.25*	
		For >100 To 250, Deduct	*-2.49*	
		For >250 To 500, Deduct	*-4.25*	
		For >500, Deduct	*-6.01*	
		For Work In Restricted Working Space, Add	*3.06*	

27 05 33 Conduits and Back Boxes for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for conduit and boxes.

27 05 36 Cable Trays for Communications Systems *(27 05)*

See CSI section 26 05 36 00-0000 for cable trays.

27 05 39 Surface Raceways for Communications Systems *(27 05)*

See CSI section 26 05 33 00-0000 for surface raceways.

27 05 43 Underground Ducts and Raceways for Communications Systems *(27 05)*

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

27 05 46 Utility Poles for Communications Systems *(27 05)*

See CSI section 26 05 46 00-0000 for utility poles.

27 05 53 Identification for Communications Systems *(27 05)*

See CSI section 26 05 53 00-0000 for identification.

27 10 Structured Cabling *(27)*

Note: Includes identifying, tagging and testing.

27 11 Communications Equipment Room Fittings *(27 10)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 11 16 Communications Cabinets, Racks, Frames, and Enclosures *(27 11)*

See CSI section 26 27 16 00-0000 for cabinets and enclosures.

27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards *(27 11 16)*

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard	86.83	26.53
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*47.19*	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard	173.66	53.06
		For Two Coats Of Non-Conductive, Fire Retardant Paint, Add	*94.39*	

27 11 16 00-0004 Terminal Cabinets *(27 11 16)*

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	362.93	76.53
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	468.18	84.19
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard	538.66	96.94
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	559.62	99.49
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard	699.66	102.05
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard	875.20	114.80
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	900.07	112.25
27 11 16 00-0012	EA	30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,144.75	159.91
27 11 16 00-0013	EA	36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,220.97	175.72
27 11 16 00-0014	EA	42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard	1,495.67	185.63
27 11 16 00-0015	EA	30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,235.55	153.07
27 11 16 00-0016	EA	36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,336.02	165.83
27 11 16 00-0017	EA	48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,661.08	212.56
27 11 16 00-0018	EA	54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard	1,986.48	265.73
27 11 16 00-0019	EA	48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,282.53	262.77
27 11 16 00-0020	EA	60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard	2,607.90	319.71

27 11 16 00-0021 Equipment Racks And Cable Managers *(27 11 16)*

27 11 16 00-0022 Equipment Racks *(27 11 16 00-0021)*

Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.

27 11 16 00-0023 Standard Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0024 19" Width, Standard Equipment Racks *(27 11 16 00-0023)*

27 11 16 00-0025	EA	84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03)	517.08	163.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*9.53*	
27 11 16 00-0026	EA	96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15)	722.94	173.48
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.80*	
27 11 16 00-0027	EA	108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08)	781.32	183.68
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.70*	

27 11 16 00-0028 Universal Equipment Racks *(27 11 16 00-0022)*

27 11 16 00-0029 Universal Equipment Racks *(27 11 16 00-0028)*

27 11 16 00-0030 19" Width, EIA Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0031	EA	36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31)	679.73	142.87
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*19.70*	
27 11 16 00-0032	EA	48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20)	743.87	145.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.65*	
27 11 16 00-0033	EA	60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19)	742.62	147.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.33*	
27 11 16 00-0034	EA	66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00)	761.83	150.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.04*	
27 11 16 00-0035	EA	72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01)	780.81	153.07
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.73*	
27 11 16 00-0036	EA	78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02)	801.39	155.62
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.51*	
27 11 16 00-0037	EA	84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03)	680.21	158.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*18.19*	
27 11 16 00-0038	EA	90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05)	841.36	160.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.00*	
27 11 16 00-0039	EA	96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15)	871.47	163.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.25*	
27 11 16 00-0040	EA	102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17)	897.72	165.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.30*	
27 11 16 00-0041	EA	108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08)	903.89	168.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.36*	

27 11 16 00-0042 23" Width, Universal Equipment Racks *(27 11 16 00-0029)*

27 11 16 00-0043	EA	36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31)	720.16	142.87
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.72*	
27 11 16 00-0044	EA	48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20)	745.37	145.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*22.73*	
27 11 16 00-0045	EA	60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19)	767.52	147.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.58*	
27 11 16 00-0046	EA	66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00)	809.18	150.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0047	EA	72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01)	829.56	153.07
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.17*	
27 11 16 00-0048	EA	78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02)	851.75	155.62
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.03*	
27 11 16 00-0049	EA	84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03)	731.15	158.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*20.74*	
27 11 16 00-0050	EA	90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05)	894.81	160.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.67*	
27 11 16 00-0051	EA	96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15)	927.45	163.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.05*	
27 11 16 00-0052	EA	102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17)	955.91	165.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.21*	
27 11 16 00-0053	EA	108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08)	962.17	168.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.27*	
27 11 16 00-0054		**35" Width, Universal Equipment Racks** *(27 11 16 00-0029)*		
27 11 16 00-0055	EA	72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01)	898.09	153.07
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.60*	
27 11 16 00-0056	EA	84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03)	946.07	158.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.49*	
27 11 16 00-0057		**UL Listed Universal Equipment Racks** *(27 11 16 00-0028)*		
		Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058		**19" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0059	EA	36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31)	719.14	142.87
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*21.67*	
27 11 16 00-0060	EA	48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20)	778.35	145.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.38*	
27 11 16 00-0061	EA	60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19)	790.25	147.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*24.72*	
27 11 16 00-0062	EA	66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00)	807.94	150.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*25.35*	
27 11 16 00-0063	EA	72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01)	828.27	153.07
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.11*	
27 11 16 00-0064	EA	78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02)	850.40	155.62
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*26.96*	
27 11 16 00-0065	EA	84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03)	871.65	158.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.77*	
27 11 16 00-0066	EA	90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05)	893.38	160.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.60*	
27 11 16 00-0067	EA	96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15)	925.98	163.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.97*	
27 11 16 00-0068	EA	102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17)	954.36	165.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.14*	
27 11 16 00-0069	EA	108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08)	960.56	168.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.19*	
27 11 16 00-0070		**23" Width, UL Listed Universal Equipment Racks** *(27 11 16 00-0057)*		
27 11 16 00-0071	EA	36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31)	763.65	142.87
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*23.90*	
27 11 16 00-0072	EA	48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20)	838.72	145.41
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.39*	
27 11 16 00-0073	EA	60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19)	849.34	147.97
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.67*	
27 11 16 00-0074	EA	66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00)	859.98	150.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*27.95*	
27 11 16 00-0075	EA	72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01)	881.89	153.07
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*28.79*	
27 11 16 00-0076	EA	78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02)	905.81	155.62
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*29.73*	
27 11 16 00-0077	EA	84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03)	928.69	158.18
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*30.62*	
27 11 16 00-0078	EA	90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05)	952.13	160.72
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*31.53*	
27 11 16 00-0079	EA	96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15)	987.52	163.28
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*33.05*	
27 11 16 00-0080	EA	102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17)	1,018.34	165.83
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.33*	
27 11 16 00-0081	EA	108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08)	1,024.80	168.37
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*34.40*	
27 11 16 00-0082		**4-Post Equipment Racks And Server Frames** *(27 11 16 00-0022)*		
27 11 16 00-0083		**4-Post Equipment Racks** *(27 11 16 00-0082)*		
27 11 16 00-0084	EA	19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03)	1,457.10	255.12
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*47.34*	
27 11 16 00-0085	EA	19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15)	1,592.42	265.32
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*53.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0086	EA	19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08)	1,720.00	275.52
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*58.45*	
27 11 16 00-0087		**4-Post Server Frame** *(27 11 16 00-0082)*		
27 11 16 00-0088	EA	19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03)	1,498.74	255.12
		For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	*49.43*	
27 11 16 00-0089		**Cable Managers** *(27 11 16 00-0021)*		
27 11 16 00-0090		**Horizontal Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0091		**Single-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0092	EA	1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719)	84.85	10.21
27 11 16 00-0093	EA	1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723)	94.62	10.21
27 11 16 00-0094	EA	1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701)	70.64	10.21
27 11 16 00-0095	EA	2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719)	86.32	10.21
27 11 16 00-0096	EA	2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723)	101.45	10.21
27 11 16 00-0097	EA	2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702)	78.36	10.21
27 11 16 00-0098	EA	3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719)	116.81	10.21
27 11 16 00-0099	EA	3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723)	133.13	10.21
27 11 16 00-0100	EA	3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703)	93.82	10.21
27 11 16 00-0101		**Double-Sided, Horizontal Cable Managers** *(27 11 16 00-0090)*		
27 11 16 00-0102	EA	1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719)	105.68	10.21
27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	118.57	10.21
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	111.26	10.21
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	129.71	10.21
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	144.34	10.21
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	161.78	10.21
27 11 16 00-0108		**Vertical Cable Managers** *(27 11 16 00-0089)*		
27 11 16 00-0109		**Single-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	190.95	15.31
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	270.15	15.31
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	436.28	15.31
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	494.24	15.31
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	204.47	15.31
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	291.40	15.31
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	474.92	15.31
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	532.87	15.31
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	231.51	15.31
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	320.38	15.31
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	532.87	15.31
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	590.83	15.31
27 11 16 00-0122		**Double-Sided, Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	277.88	15.31
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	328.10	15.31
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	532.87	15.31
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	629.46	15.31
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	301.06	15.31
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	351.29	15.31
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	571.51	15.31
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	668.10	15.31
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	331.97	15.31
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	382.19	15.31
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	629.46	15.31
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	726.05	15.31
27 11 16 00-0135		**Accessories For Vertical Cable Managers** *(27 11 16 00-0108)*		
27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	117.00	10.21
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	124.73	10.21
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	132.45	10.21
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	120.86	10.21
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	132.45	10.21
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	144.04	10.21
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	136.32	10.21
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	147.91	10.21
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	159.50	10.21
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	144.04	10.21
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	159.50	10.21
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	171.09	10.21
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	97.68	10.21
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	113.14	10.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	118.35	10.21
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	74.50	10.21

27 11 19 Communications Termination Blocks and Patch Panels *(27 11)*

Note: The terminating, testing, and labeling of the cables in question should be done according to the task description as well as the current contract specifications. See CSI section 26 05 53 00-0020 for labeling.

27 11 19 00-0001 Computer Network Components *(27 11 19)*

27 11 19 00-0002 Ethernet Patch Panels *(27 11 19 00-0001)*

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	249.18	51.02
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	374.72	51.02
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	493.51	51.02
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	604.19	51.02
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	959.06	63.78
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,119.56	76.53
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	346.64	51.02
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	382.82	51.02
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	663.59	51.02
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,232.95	76.53
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	764.49	76.53
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	800.39	76.53
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	289.43	51.02
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	36.15	
		For >5 To 10 Cables, Deduct	*-6.51*	
		For >10 Cables, Deduct	*-14.46*	
27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires Note: Per each pair	9.94	
		For >20 To 40 Pairs, Deduct	*-1.59*	
		For >40 Pairs, Deduct	*-3.78*	

27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures *(27 11 19 00-0001)*

27 11 19 00-0019 Fiber Optic Cable Connector Housings *(27 11 19 00-0018)*

27 11 19 00-0020 Wall Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	142.36	22.96
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	217.41	22.96
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	328.45	22.96
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	482.72	38.27
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing	680.42	38.27

27 11 19 00-0026 Rack Mount, Fiber Optic Cable Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	507.39	38.27
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	578.36	38.27
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	624.47	38.27
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing	735.88	38.27

27 11 19 00-0031 Rack Mount, Fiber Optic Cable Pretium® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	632.17	38.27
		For Splice Tray Bracket, Add	*82.74*	
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	744.30	38.27
		For Splice Tray Bracket, Add	*90.48*	
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing	933.26	38.27
		For Splice Tray Bracket, Add	*329.62*	

27 11 19 00-0035 Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings *(27 11 19 00-0019)*

Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	944.52	38.27
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,218.82	38.27
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,385.11	38.27
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing	1,809.20	38.27

27 11 19 00-0040 Wall Mount, Fiber Optic Cable Industrial Connector Housings *(27 11 19 00-0019)*

Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.

27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	727.86	22.96
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,003.13	38.27
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing	1,053.75	38.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0044		**Wall Mount, Fiber Optic Cable Environmental Connector Housings** *(27 11 19 00-0019)* Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.		
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	762.84	22.96
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,002.51	38.27
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing	1,181.60	38.27
27 11 19 00-0048		**Fiber Optic Cable Connector Panels** *(27 11 19 00-0018)*		
27 11 19 00-0049		**SC Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	99.08	5.10
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	107.77	5.10
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	121.26	5.10
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	132.84	5.10
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel	165.64	5.10
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel	182.97	5.10
27 11 19 00-0056		**SC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	95.24	5.10
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	97.28	5.10
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	116.17	5.10
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	118.88	5.10
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel	158.00	5.10
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel	162.04	5.10
27 11 19 00-0063		**LC Duplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	120.32	5.10
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	132.46	5.10
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	148.18	5.10
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	164.38	5.10
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	173.64	5.10
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	194.09	5.10
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	259.75	5.10
27 11 19 00-0071	EA	16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	292.07	5.10
27 11 19 00-0072	EA	24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel	371.27	5.10
27 11 19 00-0073	EA	24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel	324.24	5.10
27 11 19 00-0074		**ST Simplex, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0075	EA	6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	81.88	5.10
27 11 19 00-0076	EA	6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	88.45	5.10
27 11 19 00-0077	EA	8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	98.33	5.10
27 11 19 00-0078	EA	8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	107.10	5.10
27 11 19 00-0079	EA	12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel	131.21	5.10
27 11 19 00-0080	EA	12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel	144.38	5.10
27 11 19 00-0081		**MT-RJ, Fiber Optic Cable Connector Panels** *(27 11 19 00-0048)*		
27 11 19 00-0082	EA	12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel	102.47	5.10
27 11 19 00-0083	EA	12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel	154.73	5.10
27 11 19 00-0084		**Fiber Optic Cable Pretium Edge® Modules** *(27 11 19 00-0048)*		
27 11 19 00-0085	EA	12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,070.63	5.10
27 11 19 00-0086	EA	12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module	1,074.36	5.10
27 11 19 00-0087		**Fiber Optic Cable Splice Housings** *(27 11 19 00-0018)*		
27 11 19 00-0088		**Wall Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089	EA	12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door	378.29	51.02
27 11 19 00-0090		**Rack Mount, Fiber Optic Cable Splice Housings** *(27 11 19 00-0087)* Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091	EA	12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	595.75	38.27
27 11 19 00-0092	EA	22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing	615.41	38.27
27 11 19 00-0093		**Fiber Optic Cable Splice Trays** *(27 11 19 00-0087)*		
27 11 19 00-0094	EA	Fiber Optic Cable Splice Tray	110.04	12.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0095		**Fiber Optic Cable Jumper Management Panels** *(27 11 19 00-0018)*		
		Note: Includes mounting hardware.		
27 11 19 00-0096	EA	Rack Mount, Fiber Optic Cable Jumper Management Panel	200.04	38.27
27 11 19 00-0097		**Miscellaneous Accessories** *(27 11 19 00-0001)*		
27 11 19 00-0098	EA	Wall Mount Bracket For 12 Or 24 Port Patch Panel	65.01	
27 11 19 00-0099	EA	Wall Mount Bracket For 32 Or 48 Port Patch Panel	87.23	
27 11 19 00-0100	EA	Wall Mount Bracket For 64 Or 72 Port Patch Panel	94.81	
27 11 19 00-0101	EA	Wall Mount Bracket For 96 Port Patch Panel	105.46	
27 11 19 00-0102	EA	Lightning Protection Plus Stainless Steel Modules, Siemon	521.90	51.02
27 11 19 00-0103		**Telephone Components** *(27 11 19)*		
27 11 19 00-0104		**Terminal Blocks With Wide Range Of 22-8 AWG** *(27 11 19 00-0103)*		
27 11 19 00-0105	EA	Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG	32.38	10.23
27 11 19 00-0106	EA	Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG	66.83	10.23
27 11 19 00-0107	EA	Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG	52.73	10.23
27 11 19 00-0108	EA	Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG	24.11	10.23
27 11 19 00-0109	EA	Flat Terminal Block Connection With Wire Range 22-8 AWG	17.03	7.15
27 11 19 00-0110	EA	Ground Terminal Block With Wire Range 22-8 AWG	33.87	10.23
27 11 19 00-0111	EA	Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG	24.11	10.23
27 11 19 00-0112	EA	Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG	16.81	7.15
27 11 19 00-0113	EA	Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG	16.66	7.15
27 11 19 00-0114	EA	Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG	17.34	7.15
27 11 19 00-0115		**Terminal Block Mounting Channel** *(27 11 19 00-0103)*		
27 11 19 00-0116	EA	Terminal Block Mounting Channel, .5 M Galvanized Steel	17.28	5.11
27 11 19 00-0117	EA	Terminal Block Mounting Channel, 1 M Galvanized Steel	22.97	5.11
27 11 19 00-0118	EA	Terminal Block Mounting Channel, 2 M Galvanized Steel	33.06	5.11
27 11 19 00-0119	EA	Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc	22.51	6.14
27 11 19 00-0120	EA	Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc	32.01	6.14
27 11 19 00-0121	EA	Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc	47.87	6.14
27 11 19 00-0122		**Outlet Termination Hardware** *(27 11 19 00-0103)*		
27 11 19 00-0123	EA	Telephone Outlet Blocks	35.95	5.11
27 11 19 00-0124	EA	Phone Outlet Block For Floor Box	87.68	38.78
		Note: Excludes box.		
27 11 19 00-0125	EA	Fiber Optic "SC" Type Modular Bulkhead	83.27	22.96
27 11 19 00-0126	EA	Fiber Optic "ST" Type Modular Bulkhead	83.27	22.96
27 11 19 00-0127	EA	Type "F" Coaxial Connector Male	47.73	15.31
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector	130.38	25.51
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector	130.38	25.51
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector	159.94	25.51
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector	159.94	25.51
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector	144.38	25.51
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5	1,300.79	127.55
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V	60.15	10.21
		Note: Excludes cable terminations.		
27 11 19 00-0135	EA	5-Pair, Connecting Block	3.48	1.02
27 11 19 00-0136	EA	4-Pair, Connecting Block	3.81	1.02
27 11 19 00-0137	EA	Plastic Label Holder, Transparent	13.99	2.55
27 11 19 00-0138	EA	Marked Label, White, 5-Pair	3.66	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair	3.66	
27 11 19 00-0140		**Terminations in Manhole or Junction Box** *(27 11 19 00-0103)*		
27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box	163.28	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box	326.55	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box	653.09	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box	979.64	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box	1,145.98	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box	1,718.46	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box	2,161.34	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box	2,702.18	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box	4,053.25	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box	4,915.53	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box	5,602.39	
27 11 23		**Communications Cable Management and Ladder Rack** *(27 11)*		
27 11 23 00-0001		**Equipment Supports** *(27 11 23)*		
27 11 23 00-0002	EA	Environmental Enclosure, NEMA 4x SS, 6' Free Standing	30,881.96	804.09
27 11 23 00-0003	EA	DVR Enclosure	2,096.10	201.00
27 11 23 00-0004	EA	Wall Mount Type 4X Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	7,922.97	402.02
27 11 23 00-0005	EA	Panel, NEMA 12/27.00x21.00	534.82	100.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 23 00-0006	EA	Panel, NEMA 12/8.75x6.88	133.02	100.50
27 11 23 00-0007	EA	Clamp Assembly, Fast Opening, Stainless Steel Type 304	185.06	100.50
27 11 23 00-0008	EA	Wall-Mount Type 4x Enclosure 24.00x30.00x8.00 Stainless Steel Type 316	7,219.45	100.50
27 11 23 00-0009	EA	12" x 5'-11" Tubular Runway	117.04	24.49
27 11 23 00-0010	EA	12" x 9'-11" Tubular Runway	201.56	40.82
27 11 23 00-0011	EA	Shelf Bracket Support For Tubular Runway	36.93	7.65
27 11 23 00-0012	EA	Straight Clamp Hardware For Tubular Runway	14.68	5.10
27 11 23 00-0013	EA	Corner Clamp Hardware For Tubular Runway	15.79	5.10
27 11 23 00-0014	EA	90 Degree Edge Clamp Hardware For Tubular Runway	37.77	9.18
27 11 23 00-0015	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway	83.02	15.31
27 11 23 00-0016	EA	J-Bolt Hardware For Tubular Runway	7.10	2.25
27 11 23 00-0017	EA	T Bracket Hardware For Tubular Runway	41.19	12.75
27 11 23 00-0018	EA	110 Jumper Trough (Commscope 107831133)	32.27	5.10
27 11 23 00-0019	LF	Velcro CMP	2.59	1.02

27 13 Communications Backbone Cabling *(27 10)*

27 13 13 Communications Copper Backbone Cabling *(27 13)*

27 13 13 13 Communications Copper Cable Splicing and Terminations *(27 13 13)*

27 13 13 13-0001 Building Entrance Terminals *(27 13 13 13)*

27 13 13 13-0002	EA	25 Pair Gas Protective Unit Assembly Complete With Gas Protector	2,823.15	223.72
27 13 13 13-0003	EA	50 Pair Gas Protective Unit Assembly Complete With Gas Protector	3,690.06	372.88
27 13 13 13-0004	EA	100 Pair Gas Protective Unit Assembly Complete With Gas Protector	5,146.97	597.08

27 13 13 13-0005 Modular Plugs For Copper Communications Cable *(27 13 13 13)*

27 13 13 13-0006	EA	Modular Plug For Non Shielded Copper Communications Cable	26.92
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.	
		For >5 To 10, Deduct	*-3.05*
		For >10, Deduct	*-6.11*
27 13 13 13-0007	EA	Modular Plug For Shielded Copper Communications Cable	30.86
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.	
		For >5 To 10, Deduct	*-3.44*
		For >10, Deduct	*-6.87*

27 13 13 13-0008 Testing And Certification Of Copper Communications Cable *(27 13 13 13)*

Note: Use for existing systems.

27 13 13 13-0009	EA	Test 1-Pair Of A Copper Communications Cable For Continuity	5.10
		For >25-Pair, Deduct	*-2.04*
27 13 13 13-0010	EA	Certify 1-Pair Of A Copper Communications Cable	7.65
		For >25-Pair, Deduct	*-3.05*
27 13 13 13-0011	EA	Certify And Document 1-Pair Of A Copper Communications Cable	12.24
		For >25-Pair, Deduct	*-4.88*
27 13 13 13-0012	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity	20.41
		For >25-Pair, Deduct	*-8.14*
27 13 13 13-0013	EA	Certify 4-Pair Category 5-7 Telecommunications Cable	30.61
		For >25-Pair, Deduct	*-12.21*
27 13 13 13-0014	EA	Certify And Document 4-Pair Category 5-7 Telecommunications Cable	48.98
		For >25-Pair, Deduct	*-19.54*

27 13 13 13-0015 Communications Termination Blocks *(27 13 13 13)*

27 13 13 13-0016	EA	100-Pair, 110 Block With Legs	57.59	12.75
27 13 13 13-0017	EA	300-Pair, 110 Block With Legs	104.25	12.75
27 13 13 13-0018	EA	Clear Label Holder For 110 Wiring Block	11.12	5.10
27 13 13 13-0019	EA	4-Pair, 110C Connecting Block	6.51	2.55
27 13 13 13-0020	EA	5-Pair, 110C Connecting Block	6.68	2.55
27 13 13 13-0021	EA	100-Pair, 110 Jack Panel System	352.12	15.31
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0022	EA	300-Pair, 110 Jack Panel System	675.38	15.31
		Note: Includes twelve 8-pin modular jacks and mounting legs.		

27 13 23 Communications Optical Fiber Backbone Cabling *(27 13)*

27 13 23 13 Communications Optical Fiber Splicing and Terminations *(27 13 23)*

27 13 23 13-0001 Fiber Optic Cable Connectors *(27 13 23 13)*

27 13 23 13-0002	EA	ST Connector For Multimode Fiber Optic Cable	31.90	
27 13 23 13-0003	EA	ST Connector For Singlemode Fiber Optic Cable	37.61	
27 13 23 13-0004	EA	SC Connector For Multimode Fiber Optic Cable	36.13	
27 13 23 13-0005	EA	SC Connector For Singlemode Fiber Optic Cable	43.41	
27 13 23 13-0006	EA	LC Connector For Multimode Fiber Optic Cable	49.99	
27 13 23 13-0007	EA	LC Connector For Singlemode Fiber Optic Cable	51.69	
27 13 23 13-0008	EA	MT-RJ Connector For Multimode Fiber Optic Cable	78.00	

27 13 23 13-0009 Fiber Optic Cable Fan Out Kits *(27 13 23 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0010		**Buffer Tube Fan Out Kits For Fiber Optic Cable** *(27 13 23 13-0009)*		
27 13 23 13-0011	EA	6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	225.76	
27 13 23 13-0012	EA	12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable	229.90	
27 13 23 13-0013	EA	6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	264.84	
27 13 23 13-0014	EA	12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable	291.04	
27 13 23 13-0015		**Spider Fan Out Kits For Fiber Optic Cable** *(27 13 23 13-0009)*		
		Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0016	EA	6-Fiber, Spider Fan Out Kit For Fiber Optic Cable	276.73	
27 13 23 13-0017	EA	12-Fiber, Spider Fan Out Kit For Fiber Optic Cable	304.49	
27 13 23 13-0018	EA	18-Fiber, Spider Fan Out Kit For Fiber Optic Cable	442.84	
27 13 23 13-0019	EA	24-Fiber, Spider Fan Out Kit For Fiber Optic Cable	572.64	
27 13 23 13-0020		**Fiber Optic Cable Splice Closures** *(27 13 23 13)*		
		Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0021	EA	Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	964.87	102.05
27 13 23 13-0022	EA	Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,168.95	204.10
27 13 23 13-0023	EA	Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,168.95	204.10
27 13 23 13-0024	EA	Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure	1,653.25	102.05
27 13 23 13-0025	EA	Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure	1,857.33	204.10
27 13 23 13-0026	EA	Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure	1,857.33	204.10
27 13 23 13-0027	EA	Splice Tray For Fiber Optic Cable Splice Closure	63.86	12.75
		Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.		
27 13 23 13-0028		**Fiber Optic Cable Testing** *(27 13 23 13)*		
		Note: Price based on testing one wavelength.		
27 13 23 13-0029		**Fiber Optic Cable Testing Using An OTDR** *(27 13 23 13-0028)*		
		Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0030	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test	20.41	
		For >12 To 48 Strands, Deduct	*-1.53*	
		For >48 Strands, Deduct	*-2.04*	
27 13 23 13-0031	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test	30.61	
		For >12 To 48 Strands, Deduct	*-2.30*	
		For >48 Strands, Deduct	*-3.06*	
27 13 23 13-0032	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation	51.02	
		For >12 To 48 Strands, Deduct	*-3.83*	
		For >48 Strands, Deduct	*-5.10*	
27 13 23 13-0033	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation	76.53	
		For >12 To 48 Strands, Deduct	*-5.74*	
		For >48 Strands, Deduct	*-7.65*	
27 13 23 13-0034		**Fiber Optic Cable Testing Using A Power Meter** *(27 13 23 13-0028)*		
27 13 23 13-0035	EA	Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test	20.41	
		For >12 To 48 Strands, Deduct	*-1.53*	
		For >48 Strands, Deduct	*-2.04*	
27 13 23 13-0036	EA	Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test	30.61	
		For >12 To 48 Strands, Deduct	*-2.30*	
		For >48 Strands, Deduct	*-3.06*	
27 13 23 13-0037		**Fiber Optic Cable Light Source/Continuity Testing** *(27 13 23 13-0028)*		
27 13 23 13-0038	EA	Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test	20.41	
		For >12 To 48 Strands, Deduct	*-1.53*	
		For >48 Strands, Deduct	*-2.04*	
27 13 23 13-0039		**Fiber Optic Cable Splicing** *(27 13 23 13)*		
27 13 23 13-0040	EA	Single Strand, Fusion Splice Of Fiber Optic Cable	30.61	
27 13 23 13-0041	EA	12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable	102.05	
27 13 23 13-0042		**Other Fiber Optic Cable Equipment** *(27 13 23 13)*		
27 13 23 13-0043	EA	8 Port Ethernet Switch	966.70	200.77
27 13 23 13-0044	EA	18 dBi Gain, 5.25-5.85 GHZ Band, 18 Degree Beamwidth	1,402.20	200.77
		Note: Patch antenna with 1 meter 3' SMA-N cable		
27 13 23 13-0045	EA	Outdoor Multi Band 5.3 Or 5.8 GHz Wireless Ethernet Bridge	36,785.65	200.77
		Note: 8 Volt DC input		
27 13 23 13-0046	EA	UPS, 500 VA 300 Watt UPS For CCTV, Edco PA400-120U	355.21	25.14
27 13 23 13-0047	EA	Hardened Ethernet Switch	3,839.91	100.50
27 13 23 13-0048	EA	1,440 Watt, 120 Volt AC Solar Power Station	99,535.22	2,412.07
27 13 23 13-0049	EA	2,880 Watt, 120 Volt AC Solar Power Station	123,505.35	3,216.09
27 13 23 13-0050	EA	Fiber Break Out Box For 24 Fiber	1,531.41	201.00
27 13 23 13-0051	EA	Fiber Optic MM Data (PTZ or SYNC) 1300 Video 850, 1 Fiber, RM	1,827.35	100.50
27 13 23 13-0052	EA	Fiber Optic MM Data (PTZ or SYNC) 850 Video 850, 2 Fibers	1,522.40	100.50
27 13 23 13-0053	EA	Fiber Optic 19" Rack, 115 Volt AC Input	1,927.85	150.76

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 13 23 13-0054	EA	Commercial Gigabit Media Converter, Ethernet RJ45 to Fiber Optic. Shelf, Wall or Chassis Mount, 100 Volt AC - 260 Volt AC, Power Module Included. Gigabit Ports: 1 x 1000TX And 1 x 1000LX SM 20KM, (Etherwan Systems)	1,513.66	
27 13 23 13-0055	EA	Media Converter Chassis (Etherwan Systems), 16 Slots for any Standard Size Media Converter, 19" Rack Mount Redundant Power Supplies, Power Option 100 Volt AC - 260 Volt AC.	1,513.66	
27 13 23 13-0056		Other Fiber Optic Cable Splicing *(27 13 23 13)*		
27 13 23 13-0057	EA	Fiber Optic Finger Splice	37.97	19.18
27 13 23 13-0058	EA	Fiber Optic Splice Box - Manholes	6,923.82	

27 15 Communications Horizontal Cabling *(27 10)*

27 15 01 Communications Horizontal Cabling Applications *(27 15)*

27 15 01 13 Video Surveillance Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 15 Access Control Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 16 Voice Communications Horizontal Cabling *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

27 15 01 17 Intrusion Detection Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

27 15 01 19 Fire Alarm Communications Conductors and Cables *(27 15 01)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001		Fire Alarm/Life Safety Cable *(27 15 01 19)*		
27 15 01 19-0002		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0003		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0002)*		
27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,805.31	694.32
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,276.88	719.43
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,059.68	789.22
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,816.75	817.40
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,376.79	883.52
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,458.82	915.35
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,099.39	1,010.26
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	4,786.53	1,046.28
27 15 01 19-0012		Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0002)*		
27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,962.52	1,388.86
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,475.92	1,438.86
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,375.07	1,578.65
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,179.07	1,634.78
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,849.32	1,767.44
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,984.41	1,830.72
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,783.16	2,020.51
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	6,530.51	2,092.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0021		Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0001)*		
27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,087.96	568.19
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,188.25	588.39
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,322.18	694.32
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,425.14	706.88
27 15 01 19-0026	MLF	4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,485.61	719.43
27 15 01 19-0027	MLF	6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,687.19	744.53
27 15 01 19-0028	MLF	8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,981.34	769.63
27 15 01 19-0029	MLF	2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,551.93	789.22
27 15 01 19-0030	MLF	4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,776.92	817.40
27 15 01 19-0031	MLF	2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,811.55	883.52
27 15 01 19-0032	MLF	4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,168.47	915.35
27 15 01 19-0033	MLF	2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,241.44	1,010.26
27 15 01 19-0034	MLF	4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,823.89	1,046.28
27 15 01 19-0035		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0036		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0035)*		
27 15 01 19-0037	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,076.87	568.19
27 15 01 19-0038	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,314.97	694.32
27 15 01 19-0039	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,494.81	706.88
27 15 01 19-0040	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,504.90	719.43
27 15 01 19-0041	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,787.86	744.53
27 15 01 19-0042	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,541.03	789.22
27 15 01 19-0043	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,801.36	817.40
27 15 01 19-0044	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,762.53	883.52
27 15 01 19-0045	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,363.31	915.35
27 15 01 19-0046	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,225.42	1,010.26
27 15 01 19-0047	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	3,119.68	1,046.28
27 15 01 19-0048		Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0035)*		
27 15 01 19-0049	MLF	2 Conductors, #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,023.86	1,136.79
27 15 01 19-0050	MLF	2 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,472.18	1,388.86
27 15 01 19-0051	MLF	3 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,672.44	1,413.34
27 15 01 19-0052	MLF	4 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,703.94	1,438.86
27 15 01 19-0053	MLF	6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,028.74	1,488.86
27 15 01 19-0054	MLF	2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,856.42	1,578.65
27 15 01 19-0055	MLF	4 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,163.68	1,634.78
27 15 01 19-0056	MLF	2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,235.06	1,767.44
27 15 01 19-0057	MLF	4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,888.90	1,830.72
27 15 01 19-0058	MLF	2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,909.19	2,020.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0059	MLF	4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,863.66	2,092.98
27 15 01 19-0060		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0061		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0060)*		
27 15 01 19-0062	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,122.54	568.19
27 15 01 19-0063	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,347.59	694.32
27 15 01 19-0064	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,615.87	706.88
27 15 01 19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,538.27	719.43
27 15 01 19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,821.99	744.53
27 15 01 19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,615.99	789.22
27 15 01 19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,836.03	817.40
27 15 01 19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,924.20	883.52
27 15 01 19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,282.24	915.35
27 15 01 19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,345.05	1,010.26
27 15 01 19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,873.55	1,046.28
27 15 01 19-0073		Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0060)*		
27 15 01 19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,069.53	1,136.79
27 15 01 19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,504.80	1,388.86
27 15 01 19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,793.50	1,413.34
27 15 01 19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,737.31	1,438.86
27 15 01 19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,062.87	1,488.86
27 15 01 19-0079	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,931.38	1,578.65
27 15 01 19-0080	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,198.35	1,634.78
27 15 01 19-0081	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,396.73	1,767.44
27 15 01 19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,807.83	1,830.72
27 15 01 19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,028.82	2,020.51
27 15 01 19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed	4,617.53	2,092.98
27 15 01 19-0085		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable *(27 15 01 19-0001)*		
27 15 01 19-0086		Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit *(27 15 01 19-0085)*		
27 15 01 19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,071.92	568.19
27 15 01 19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,354.79	694.32
27 15 01 19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,473.42	706.88
27 15 01 19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,572.80	719.43
27 15 01 19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,790.81	744.53
27 15 01 19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,565.94	789.22
27 15 01 19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,865.57	817.40
27 15 01 19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	1,844.35	883.52
27 15 01 19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,387.68	915.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit	2,231.75	1,010.26

27 15 01 19-0097 Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed *(27 15 01 19-0085)*

27 15 01 19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,018.91	1,136.79
27 15 01 19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,512.00	1,388.86
27 15 01 19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,651.05	1,413.34
27 15 01 19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,771.84	1,438.86
27 15 01 19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,031.69	1,488.86
27 15 01 19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	2,881.33	1,578.65
27 15 01 19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,227.89	1,634.78
27 15 01 19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,316.88	1,767.44
27 15 01 19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,913.27	1,830.72
27 15 01 19-0107	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed	3,915.52	2,020.51

27 15 13 Communications Copper Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001 Solid Conductor Low Voltage Cable *(27 15 13)*

27 15 13 00-0002 Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*

27 15 13 00-0003 #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0004	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,832.16	922.88
		For Work In Restricted Working Space, Add	*461.48*	
		For #10 AWG, Add	*404.64*	
27 15 13 00-0005	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,135.31	955.51
		For Work In Restricted Working Space, Add	*477.90*	
		For #10 AWG, Add	*497.56*	
27 15 13 00-0006	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,403.54	989.06
		For Work In Restricted Working Space, Add	*494.39*	
		For #10 AWG, Add	*578.93*	
27 15 13 00-0007	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,687.11	1,022.62
		For Work In Restricted Working Space, Add	*511.47*	
		For #10 AWG, Add	*665.11*	
27 15 13 00-0008	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,015.35	1,091.61
		For Work In Restricted Working Space, Add	*545.97*	
		For #10 AWG, Add	*758.48*	
27 15 13 00-0009	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,317.82	1,159.66
		For Work In Restricted Working Space, Add	*579.98*	
		For #10 AWG, Add	*843.56*	
27 15 13 00-0010	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,620.31	1,297.62
		For Work In Restricted Working Space, Add	*648.69*	
		For #10 AWG, Add	*913.60*	
27 15 13 00-0011	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,794.45	1,710.59
		For Work In Restricted Working Space, Add	*855.13*	
		For #10 AWG, Add	*1,211.61*	
27 15 13 00-0012	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,125.39	2,526.27
		For Work In Restricted Working Space, Add	*1,262.81*	
		For #10 AWG, Add	*1,804.16*	

27 15 13 00-0013 #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0014	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,625.97	807.29
		For Work In Restricted Working Space, Add	*403.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0015	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,911.81	836.18
		For Work In Restricted Working Space, Add	*418.09*	
27 15 13 00-0016	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,164.04	865.09
		For Work In Restricted Working Space, Add	*432.64*	
27 15 13 00-0017	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,430.01	894.92
		For Work In Restricted Working Space, Add	*447.46*	
27 15 13 00-0018	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,734.42	955.51
		For Work In Restricted Working Space, Add	*477.66*	
27 15 13 00-0019	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,013.91	1,015.17
		For Work In Restricted Working Space, Add	*507.31*	
27 15 13 00-0020	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,285.45	1,135.43
		For Work In Restricted Working Space, Add	*567.71*	
27 15 13 00-0021	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,351.08	1,496.18
		For Work In Restricted Working Space, Add	*748.09*	
27 15 13 00-0022	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,470.22	2,210.26
		For Work In Restricted Working Space, Add	*1,105.22*	

27 15 13 00-0023 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0024	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,448.87	720.59
		For Work In Restricted Working Space, Add	*360.48*	
27 15 13 00-0025	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,641.27	746.69
		For Work In Restricted Working Space, Add	*373.35*	
27 15 13 00-0026	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,923.09	772.80
		For Work In Restricted Working Space, Add	*386.21*	
27 15 13 00-0027	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,158.55	798.90
		For Work In Restricted Working Space, Add	*399.64*	
27 15 13 00-0028	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,427.45	852.96
		For Work In Restricted Working Space, Add	*426.48*	
27 15 13 00-0029	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,675.12	906.10
		For Work In Restricted Working Space, Add	*453.05*	
27 15 13 00-0030	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,795.50	960.17
		For Work In Restricted Working Space, Add	*479.90*	
27 15 13 00-0031	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,916.83	1,014.24
		For Work In Restricted Working Space, Add	*507.02*	
27 15 13 00-0032	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,228.49	1,078.56
		For Work In Restricted Working Space, Add	*539.19*	
27 15 13 00-0033	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,862.23	1,335.85
		For Work In Restricted Working Space, Add	*667.97*	
27 15 13 00-0034	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,742.77	1,973.47
		For Work In Restricted Working Space, Add	*986.78*	

27 15 13 00-0035 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*

27 15 13 00-0036	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,231.72	634.84
		For Work In Restricted Working Space, Add	*317.14*	
27 15 13 00-0037	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,417.52	657.20
		For Work In Restricted Working Space, Add	*328.60*	
27 15 13 00-0038	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,582.44	679.58
		For Work In Restricted Working Space, Add	*340.07*	
27 15 13 00-0039	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,755.31	702.88
		For Work In Restricted Working Space, Add	*351.53*	
27 15 13 00-0040	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,961.23	750.42
		For Work In Restricted Working Space, Add	*375.30*	
27 15 13 00-0041	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,151.87	797.03
		For Work In Restricted Working Space, Add	*398.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0042	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,353.06	892.12
		For Work In Restricted Working Space, Add	*446.06*	
27 15 13 00-0043	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,114.42	1,175.51
		For Work In Restricted Working Space, Add	*587.85*	
27 15 13 00-0044	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,626.87	1,736.70
		For Work In Restricted Working Space, Add	*868.34*	
27 15 13 00-0045		#20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*		
27 15 13 00-0046	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,095.27	577.03
		For Work In Restricted Working Space, Add	*288.33*	
27 15 13 00-0047	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,243.92	597.54
		For Work In Restricted Working Space, Add	*298.68*	
27 15 13 00-0048	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,375.04	618.52
		For Work In Restricted Working Space, Add	*309.03*	
27 15 13 00-0049	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,512.70	639.49
		For Work In Restricted Working Space, Add	*319.65*	
27 15 13 00-0050	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,682.61	682.37
		For Work In Restricted Working Space, Add	*341.05*	
27 15 13 00-0051	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,840.25	725.26
		For Work In Restricted Working Space, Add	*362.44*	
27 15 13 00-0052	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,027.04	811.02
		For Work In Restricted Working Space, Add	*405.51*	
27 15 13 00-0053	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,668.98	1,069.24
		For Work In Restricted Working Space, Add	*534.43*	
27 15 13 00-0054	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,962.92	1,579.15
		For Work In Restricted Working Space, Add	*789.48*	
27 15 13 00-0055	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,175.62	1,616.44
		For Work In Restricted Working Space, Add	*808.22*	
27 15 13 00-0056	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,952.29	1,882.12
		For Work In Restricted Working Space, Add	*941.06*	
27 15 13 00-0057	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,310.94	2,014.49
		For Work In Restricted Working Space, Add	*1,007.34*	
27 15 13 00-0058	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,407.72	2,517.89
		For Work In Restricted Working Space, Add	*1,258.75*	
27 15 13 00-0059	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,654.25	3,314.92
		For Work In Restricted Working Space, Add	*1,657.26*	
27 15 13 00-0060		#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0002)*		
27 15 13 00-0061	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	935.28	519.24
		For Work In Restricted Working Space, Add	*259.53*	
27 15 13 00-0062	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	991.90	537.88
		For Work In Restricted Working Space, Add	*268.76*	
27 15 13 00-0063	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,059.30	556.53
		For Work In Restricted Working Space, Add	*278.26*	
27 15 13 00-0064	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,131.62	575.17
		For Work In Restricted Working Space, Add	*287.77*	
27 15 13 00-0065	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,244.72	614.32
		For Work In Restricted Working Space, Add	*307.07*	
27 15 13 00-0066	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,357.90	650.68
		For Work In Restricted Working Space, Add	*325.52*	
27 15 13 00-0067		Triad *(27 15 13 00-0002)*		
27 15 13 00-0068	MLF	1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	2,751.52	772.80
27 15 13 00-0069	MLF	4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	3,542.13	1,069.24
27 15 13 00-0070	MLF	8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	5,596.98	1,579.15
27 15 13 00-0071	MLF	12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,028.92	1,882.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0072	MLF	24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	11,624.32	2,915.94
27 15 13 00-0073	MLF	36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	13,400.97	3,314.92
27 15 13 00-0074		Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*		
27 15 13 00-0075		#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0076	MLF	1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,370.42	1,845.77
		For Work In Restricted Working Space, Add	*922.96*	
		For #10 AWG, Add	*712.29*	
27 15 13 00-0077	MLF	2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,728.29	1,911.02
		For Work In Restricted Working Space, Add	*955.79*	
		For #10 AWG, Add	*816.16*	
27 15 13 00-0078	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,051.51	1,978.14
		For Work In Restricted Working Space, Add	*988.79*	
		For #10 AWG, Add	*908.52*	
27 15 13 00-0079	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,392.02	2,045.25
		For Work In Restricted Working Space, Add	*1,022.94*	
		For #10 AWG, Add	*1,006.09*	
27 15 13 00-0080	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,835.23	2,183.22
		For Work In Restricted Working Space, Add	*1,091.93*	
		For #10 AWG, Add	*1,122.46*	
27 15 13 00-0081	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,251.10	2,319.33
		For Work In Restricted Working Space, Add	*1,159.97*	
		For #10 AWG, Add	*1,230.21*	
27 15 13 00-0082	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,782.62	2,595.26
		For Work In Restricted Working Space, Add	*1,297.38*	
		For #10 AWG, Add	*1,346.07*	
27 15 13 00-0083	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,644.88	3,421.19
		For Work In Restricted Working Space, Add	*1,710.26*	
		For #10 AWG, Add	*1,781.70*	
27 15 13 00-0084	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,334.75	5,052.54
		For Work In Restricted Working Space, Add	*2,525.62*	
		For #10 AWG, Add	*2,646.03*	
27 15 13 00-0085		#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0086	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,971.14	1,614.58
		For Work In Restricted Working Space, Add	*807.10*	
27 15 13 00-0087	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,305.46	1,672.38
		For Work In Restricted Working Space, Add	*836.19*	
27 15 13 00-0088	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,606.16	1,730.17
		For Work In Restricted Working Space, Add	*865.27*	
27 15 13 00-0089	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,921.53	1,789.83
		For Work In Restricted Working Space, Add	*894.92*	
27 15 13 00-0090	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,326.63	1,911.02
		For Work In Restricted Working Space, Add	*955.32*	
27 15 13 00-0091	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,704.92	2,030.33
		For Work In Restricted Working Space, Add	*1,014.61*	
27 15 13 00-0092	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,177.83	2,270.85
		For Work In Restricted Working Space, Add	*1,135.43*	
27 15 13 00-0093	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,844.72	2,992.38
		For Work In Restricted Working Space, Add	*1,496.18*	
27 15 13 00-0094	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,154.30	4,420.51
		For Work In Restricted Working Space, Add	*2,210.44*	
27 15 13 00-0095		#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*		
27 15 13 00-0096	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,650.49	1,441.19
		For Work In Restricted Working Space, Add	*720.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0097	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,885.77	1,493.40
		For Work In Restricted Working Space, Add	*746.70*	
27 15 13 00-0098	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,210.47	1,545.59
		For Work In Restricted Working Space, Add	*772.43*	
27 15 13 00-0099	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,490.67	1,597.80
		For Work In Restricted Working Space, Add	*799.27*	
27 15 13 00-0100	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,849.06	1,705.94
		For Work In Restricted Working Space, Add	*852.97*	
27 15 13 00-0101	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,185.28	1,812.21
		For Work In Restricted Working Space, Add	*906.10*	
27 15 13 00-0102	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,395.16	1,920.34
		For Work In Restricted Working Space, Add	*959.80*	
27 15 13 00-0103	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,606.92	2,028.48
		For Work In Restricted Working Space, Add	*1,014.05*	
27 15 13 00-0104	MLF	9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,025.77	2,157.12
		For Work In Restricted Working Space, Add	*1,078.37*	
27 15 13 00-0105	MLF	12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,088.79	2,671.70
		For Work In Restricted Working Space, Add	*1,335.94*	
27 15 13 00-0106	MLF	24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,032.05	3,946.95
		For Work In Restricted Working Space, Add	*1,973.57*	

27 15 13 00-0107 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0108	MLF	1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,288.84	1,269.66
		For Work In Restricted Working Space, Add	*634.27*	
27 15 13 00-0109	MLF	2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,512.87	1,314.41
		For Work In Restricted Working Space, Add	*657.20*	
27 15 13 00-0110	MLF	3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,716.00	1,359.15
		For Work In Restricted Working Space, Add	*680.14*	
27 15 13 00-0111	MLF	4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,927.09	1,405.76
		For Work In Restricted Working Space, Add	*703.07*	
27 15 13 00-0112	MLF	5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,212.26	1,500.85
		For Work In Restricted Working Space, Add	*750.61*	
27 15 13 00-0113	MLF	6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,481.19	1,594.07
		For Work In Restricted Working Space, Add	*797.59*	
27 15 13 00-0114	MLF	8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,839.92	1,784.24
		For Work In Restricted Working Space, Add	*892.12*	
27 15 13 00-0115	MLF	12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,073.91	2,351.02
		For Work In Restricted Working Space, Add	*1,175.69*	
27 15 13 00-0116	MLF	24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,521.35	3,473.39
		For Work In Restricted Working Space, Add	*1,736.69*	

27 15 13 00-0117 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0074)*

27 15 13 00-0118	MLF	1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,056.38	1,154.07
		For Work In Restricted Working Space, Add	*576.66*	
27 15 13 00-0119	MLF	2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,239.52	1,195.09
		For Work In Restricted Working Space, Add	*597.36*	
27 15 13 00-0120	MLF	3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,405.13	1,237.03
		For Work In Restricted Working Space, Add	*618.05*	
27 15 13 00-0121	MLF	4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,578.22	1,278.98
		For Work In Restricted Working Space, Add	*639.31*	
27 15 13 00-0122	MLF	5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,819.44	1,364.75
		For Work In Restricted Working Space, Add	*682.10*	
27 15 13 00-0123	MLF	6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,048.39	1,450.51
		For Work In Restricted Working Space, Add	*724.88*	

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27 15 13 00-0124	MLF	8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,378.74	1,622.03
		For Work In Restricted Working Space, Add	*811.02*	
27 15 13 00-0125	MLF	12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,450.42	2,138.47
		For Work In Restricted Working Space, Add	*1,068.86*	
27 15 13 00-0126	MLF	24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,594.52	3,158.31
		For Work In Restricted Working Space, Add	*1,578.96*	
27 15 13 00-0127	MLF	25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,869.66	3,232.88
		For Work In Restricted Working Space, Add	*1,616.43*	
27 15 13 00-0128	MLF	36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,089.17	3,764.24
		For Work In Restricted Working Space, Add	*1,882.13*	
27 15 13 00-0129	MLF	40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,668.73	4,028.98
		For Work In Restricted Working Space, Add	*2,014.67*	
27 15 13 00-0130	MLF	50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,603.55	5,035.76
		For Work In Restricted Working Space, Add	*2,517.50*	
27 15 13 00-0131	MLF	100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,178.44	6,629.83
		For Work In Restricted Working Space, Add	*3,314.52*	
27 15 13 00-0132		**#22 AWG, Shielded, Low Voltage Cable, Installed Exposed** *(27 15 13 00-0074)*		
27 15 13 00-0133	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,800.36	1,038.47
		For Work In Restricted Working Space, Add	*519.05*	
27 15 13 00-0134	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,887.75	1,075.77
		For Work In Restricted Working Space, Add	*537.51*	
27 15 13 00-0135	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,986.85	1,113.05
		For Work In Restricted Working Space, Add	*556.53*	
27 15 13 00-0136	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,090.87	1,150.34
		For Work In Restricted Working Space, Add	*575.54*	
27 15 13 00-0137	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,268.28	1,228.65
		For Work In Restricted Working Space, Add	*614.14*	
27 15 13 00-0138	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,442.99	1,301.36
		For Work In Restricted Working Space, Add	*651.05*	
27 15 13 00-0139		**Triad, Installed Exposed** *(27 15 13 00-0074)*		
27 15 13 00-0140	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	2,751.52	772.80
27 15 13 00-0141	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	3,542.13	1,069.24
27 15 13 00-0142	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	5,596.98	1,579.15
27 15 13 00-0143	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	7,028.92	1,882.12
27 15 13 00-0144	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	11,624.32	2,915.94
27 15 13 00-0145	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	13,400.97	3,314.92
27 15 13 00-0146		**Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0001)*		
27 15 13 00-0147		**#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** *(27 15 13 00-0146)*		
27 15 13 00-0148	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,559.30	807.29
		For Work In Restricted Working Space, Add	*403.55*	
27 15 13 00-0149	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,788.78	836.18
		For Work In Restricted Working Space, Add	*418.09*	
27 15 13 00-0150	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,992.64	865.09
		For Work In Restricted Working Space, Add	*432.64*	
27 15 13 00-0151	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,207.19	894.92
		For Work In Restricted Working Space, Add	*447.46*	
27 15 13 00-0152	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,461.37	954.58
		For Work In Restricted Working Space, Add	*477.10*	
27 15 13 00-0153	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,698.89	1,014.24
		For Work In Restricted Working Space, Add	*507.03*	
27 15 13 00-0154	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,954.69	1,135.43
		For Work In Restricted Working Space, Add	*567.71*	

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27 15 13 00-0155	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,910.07	1,496.18
		For Work In Restricted Working Space, Add	*748.09*	
27 15 13 00-0156	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,808.71	2,210.26
		For Work In Restricted Working Space, Add	*1,105.22*	
27 15 13 00-0157		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0158	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,390.16	720.59
		For Work In Restricted Working Space, Add	*360.48*	
27 15 13 00-0159	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,592.45	746.69
		For Work In Restricted Working Space, Add	*373.35*	
27 15 13 00-0160	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,772.15	772.80
		For Work In Restricted Working Space, Add	*386.21*	
27 15 13 00-0161	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,962.33	798.90
		For Work In Restricted Working Space, Add	*399.64*	
27 15 13 00-0162	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,187.71	852.03
		For Work In Restricted Working Space, Add	*426.20*	
27 15 13 00-0163	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,398.53	906.10
		For Work In Restricted Working Space, Add	*453.05*	
27 15 13 00-0164	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,511.58	960.17
		For Work In Restricted Working Space, Add	*479.90*	
27 15 13 00-0165	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,686.03	1,014.24
		For Work In Restricted Working Space, Add	*507.02*	
27 15 13 00-0166	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,959.13	1,078.56
		For Work In Restricted Working Space, Add	*539.16*	
27 15 13 00-0167	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,473.88	1,335.85
		For Work In Restricted Working Space, Add	*667.97*	
27 15 13 00-0168	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,160.70	1,973.47
		For Work In Restricted Working Space, Add	*986.92*	
27 15 13 00-0169		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0170	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,214.49	633.90
		For Work In Restricted Working Space, Add	*317.14*	
27 15 13 00-0171	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,377.52	657.20
		For Work In Restricted Working Space, Add	*328.60*	
27 15 13 00-0172	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,480.86	680.51
		For Work In Restricted Working Space, Add	*340.07*	
27 15 13 00-0173	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,616.77	702.88
		For Work In Restricted Working Space, Add	*351.53*	
27 15 13 00-0174	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,782.82	750.42
		For Work In Restricted Working Space, Add	*375.30*	
27 15 13 00-0175	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,947.96	797.97
		For Work In Restricted Working Space, Add	*398.80*	
27 15 13 00-0176	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,333.43	892.12
		For Work In Restricted Working Space, Add	*446.06*	
27 15 13 00-0177	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,033.33	1,175.51
		For Work In Restricted Working Space, Add	*587.85*	
27 15 13 00-0178	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,067.34	1,736.70
		For Work In Restricted Working Space, Add	*868.34*	
27 15 13 00-0179		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0180	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,072.19	577.03
		For Work In Restricted Working Space, Add	*288.33*	
27 15 13 00-0181	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,184.96	597.54
		For Work In Restricted Working Space, Add	*298.68*	

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27 15 13 00-0182	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,396.61	680.51
		For Work In Restricted Working Space, Add	*340.07*	
27 15 13 00-0183	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,533.31	715.38
		For Work In Restricted Working Space, Add	*357.69*	
27 15 13 00-0184	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,667.21	750.42
		For Work In Restricted Working Space, Add	*375.30*	
27 15 13 00-0185	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,811.35	797.97
		For Work In Restricted Working Space, Add	*398.80*	
27 15 13 00-0186	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,995.33	888.02
		For Work In Restricted Working Space, Add	*444.10*	
27 15 13 00-0187	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,458.25	1,069.24
		For Work In Restricted Working Space, Add	*534.43*	
27 15 13 00-0188	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,646.83	1,579.15
		For Work In Restricted Working Space, Add	*789.48*	
27 15 13 00-0189	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,823.86	1,616.44
		For Work In Restricted Working Space, Add	*808.22*	
27 15 13 00-0190	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,521.26	1,882.12
		For Work In Restricted Working Space, Add	*941.06*	
27 15 13 00-0191	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,847.20	2,014.49
		For Work In Restricted Working Space, Add	*1,007.34*	
27 15 13 00-0192	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,882.56	2,517.89
		For Work In Restricted Working Space, Add	*1,258.75*	
27 15 13 00-0193	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,911.09	3,314.92
		For Work In Restricted Working Space, Add	*1,657.26*	
27 15 13 00-0194		#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0146)*		
27 15 13 00-0195	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	938.74	519.24
		For Work In Restricted Working Space, Add	*259.53*	
27 15 13 00-0196	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	996.63	537.88
		For Work In Restricted Working Space, Add	*268.76*	
27 15 13 00-0197	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,070.84	556.53
		For Work In Restricted Working Space, Add	*278.26*	
27 15 13 00-0198	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,151.34	575.17
		For Work In Restricted Working Space, Add	*287.77*	
27 15 13 00-0199	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,261.34	614.32
		For Work In Restricted Working Space, Add	*307.07*	
27 15 13 00-0200	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,378.40	650.68
		For Work In Restricted Working Space, Add	*325.52*	
27 15 13 00-0201		Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0001)*		
27 15 13 00-0202		#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0203	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,904.47	1,614.58
		For Work In Restricted Working Space, Add	*807.10*	
27 15 13 00-0204	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,182.43	1,672.38
		For Work In Restricted Working Space, Add	*836.19*	
27 15 13 00-0205	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,434.76	1,730.17
		For Work In Restricted Working Space, Add	*865.27*	
27 15 13 00-0206	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,698.71	1,789.83
		For Work In Restricted Working Space, Add	*894.92*	
27 15 13 00-0207	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,051.71	1,909.15
		For Work In Restricted Working Space, Add	*954.20*	
27 15 13 00-0208	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,388.97	2,028.48
		For Work In Restricted Working Space, Add	*1,014.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0209	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,847.07	2,270.85
		For Work In Restricted Working Space, Add	*1,135.43*	
27 15 13 00-0210	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,403.71	2,992.38
		For Work In Restricted Working Space, Add	*1,496.18*	
27 15 13 00-0211	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,492.79	4,420.51
		For Work In Restricted Working Space, Add	*2,210.44*	
27 15 13 00-0212		#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0213	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,591.78	1,441.19
		For Work In Restricted Working Space, Add	*720.97*	
27 15 13 00-0214	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,836.95	1,493.40
		For Work In Restricted Working Space, Add	*746.70*	
27 15 13 00-0215	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,059.53	1,545.59
		For Work In Restricted Working Space, Add	*772.43*	
27 15 13 00-0216	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,294.45	1,597.80
		For Work In Restricted Working Space, Add	*799.27*	
27 15 13 00-0217	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,608.38	1,704.07
		For Work In Restricted Working Space, Add	*852.41*	
27 15 13 00-0218	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,908.69	1,812.21
		For Work In Restricted Working Space, Add	*906.10*	
27 15 13 00-0219	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,111.24	1,920.34
		For Work In Restricted Working Space, Add	*959.80*	
27 15 13 00-0220	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,376.12	2,028.48
		For Work In Restricted Working Space, Add	*1,014.05*	
27 15 13 00-0221	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,756.33	2,157.12
		For Work In Restricted Working Space, Add	*1,078.32*	
27 15 13 00-0222	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,700.44	2,671.70
		For Work In Restricted Working Space, Add	*1,335.94*	
27 15 13 00-0223	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,450.44	3,946.95
		For Work In Restricted Working Space, Add	*1,973.84*	
27 15 13 00-0224		#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0225	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,271.61	1,267.79
		For Work In Restricted Working Space, Add	*634.27*	
27 15 13 00-0226	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,472.87	1,314.41
		For Work In Restricted Working Space, Add	*657.20*	
27 15 13 00-0227	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,614.42	1,361.02
		For Work In Restricted Working Space, Add	*680.14*	
27 15 13 00-0228	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,788.55	1,405.76
		For Work In Restricted Working Space, Add	*703.07*	
27 15 13 00-0229	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,033.85	1,500.85
		For Work In Restricted Working Space, Add	*750.61*	
27 15 13 00-0230	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,277.28	1,595.93
		For Work In Restricted Working Space, Add	*797.59*	
27 15 13 00-0231	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,820.29	1,784.24
		For Work In Restricted Working Space, Add	*892.12*	
27 15 13 00-0232	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,992.82	2,351.02
		For Work In Restricted Working Space, Add	*1,175.69*	
27 15 13 00-0233	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,961.82	3,473.39
		For Work In Restricted Working Space, Add	*1,736.69*	
27 15 13 00-0234		#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*		
27 15 13 00-0235	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,033.30	1,154.07
		For Work In Restricted Working Space, Add	*576.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0236	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,180.56	1,195.09
		For Work In Restricted Working Space, Add	*597.36*	
27 15 13 00-0237	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,530.17	1,361.02
		For Work In Restricted Working Space, Add	*680.14*	
27 15 13 00-0238	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,725.59	1,430.75
		For Work In Restricted Working Space, Add	*715.37*	
27 15 13 00-0239	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,918.24	1,500.85
		For Work In Restricted Working Space, Add	*750.61*	
27 15 13 00-0240	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,140.67	1,595.93
		For Work In Restricted Working Space, Add	*797.59*	
27 15 13 00-0241	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,475.67	1,776.04
		For Work In Restricted Working Space, Add	*888.20*	
27 15 13 00-0242	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,239.69	2,138.47
		For Work In Restricted Working Space, Add	*1,068.86*	
27 15 13 00-0243	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,278.43	3,158.31
		For Work In Restricted Working Space, Add	*1,578.96*	
27 15 13 00-0244	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,517.90	3,232.88
		For Work In Restricted Working Space, Add	*1,616.43*	
27 15 13 00-0245	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,658.14	3,764.24
		For Work In Restricted Working Space, Add	*1,882.13*	
27 15 13 00-0246	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,204.99	4,028.98
		For Work In Restricted Working Space, Add	*2,014.67*	
27 15 13 00-0247	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,078.39	5,035.76
		For Work In Restricted Working Space, Add	*2,517.50*	
27 15 13 00-0248	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	13,435.28	6,629.83
		For Work In Restricted Working Space, Add	*3,314.52*	

27 15 13 00-0249 #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed *(27 15 13 00-0201)*

27 15 13 00-0250	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,803.82	1,038.47
		For Work In Restricted Working Space, Add	*519.05*	
27 15 13 00-0251	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,892.48	1,075.77
		For Work In Restricted Working Space, Add	*537.51*	
27 15 13 00-0252	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	1,998.39	1,113.05
		For Work In Restricted Working Space, Add	*556.53*	
27 15 13 00-0253	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,110.59	1,150.34
		For Work In Restricted Working Space, Add	*575.54*	
27 15 13 00-0254	MLF	5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,284.90	1,228.65
		For Work In Restricted Working Space, Add	*614.14*	
27 15 13 00-0255	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	2,463.49	1,301.36
		For Work In Restricted Working Space, Add	*651.05*	

27 15 13 00-0256 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench *(27 15 13 00-0001)*

Note: Excludes excavation.

27 15 13 00-0257	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,553.71
27 15 13 00-0258	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	1,835.74
27 15 13 00-0259	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,085.34
27 15 13 00-0260	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,349.15
27 15 13 00-0261	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,647.85
27 15 13 00-0262	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench	2,922.54

27 15 13 00-0263 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) *(27 15 13 00-0001)*

27 15 13 00-0264	MLF	1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,641.82	513.73
27 15 13 00-0265	MLF	2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	1,976.40	550.38
27 15 13 00-0266	MLF	3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	2,565.28	695.79
27 15 13 00-0267	MLF	4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	3,070.62	804.76
27 15 13 00-0268	MLF	5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	10,231.65	917.26
27 15 13 00-0269	MLF	6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)	12,140.21	1,171.87

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0270		Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*		
27 15 13 00-0271	MLF	1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,395.15	720.59
27 15 13 00-0272	MLF	2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,700.99	746.69
27 15 13 00-0273	MLF	3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,915.52	772.80
27 15 13 00-0274	MLF	4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,028.74	798.90
27 15 13 00-0275	MLF	5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,448.74	852.03
27 15 13 00-0276	MLF	6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,651.43	906.10
27 15 13 00-0277	MLF	8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,333.48	1,014.24
27 15 13 00-0278	MLF	12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,131.55	1,335.85
27 15 13 00-0279	MLF	24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,279.82	1,973.47
27 15 13 00-0280	MLF	1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,203.85	633.90
27 15 13 00-0281	MLF	2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,454.79	657.20
27 15 13 00-0282	MLF	3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,661.93	680.51
27 15 13 00-0283	MLF	4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,763.13	702.88
27 15 13 00-0284	MLF	5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,121.71	750.42
27 15 13 00-0285	MLF	6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,388.33	797.97
27 15 13 00-0286	MLF	8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,698.80	892.12
27 15 13 00-0287	MLF	12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,484.27	1,175.51
27 15 13 00-0288	MLF	24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,584.30	1,736.70
27 15 13 00-0289	MLF	1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,061.53	577.03
27 15 13 00-0290	MLF	2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,220.19	597.54
27 15 13 00-0291	MLF	3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,373.88	618.05
27 15 13 00-0292	MLF	4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,469.96	639.49
27 15 13 00-0293	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,602.42	682.37
27 15 13 00-0294	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,752.16	725.26
27 15 13 00-0295	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,962.50	811.02
27 15 13 00-0296	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,712.70	1,069.24
27 15 13 00-0297	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,127.54	1,579.15
27 15 13 00-0298	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,358.71	1,616.44
27 15 13 00-0299	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,149.76	1,882.12
27 15 13 00-0300	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,552.47	2,014.49
27 15 13 00-0301	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,681.25	2,517.89
27 15 13 00-0302	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,041.32	3,314.92
27 15 13 00-0303	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	17,518.11	6,105.93
27 15 13 00-0304	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	26,575.38	8,080.34
27 15 13 00-0305	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	35,658.52	10,182.46
27 15 13 00-0306	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	50,261.55	13,967.21
27 15 13 00-0307	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,025.35	577.03
27 15 13 00-0308	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,139.26	597.54
27 15 13 00-0309	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,250.01	618.05
27 15 13 00-0310	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,324.22	639.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0311	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,434.83	682.37
27 15 13 00-0312	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,556.13	725.26
27 15 13 00-0313	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,742.41	811.02
27 15 13 00-0314	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,377.15	1,069.24
27 15 13 00-0315	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,588.53	1,579.15
27 15 13 00-0316	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,758.90	1,616.44
27 15 13 00-0317	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,441.76	1,882.12
27 15 13 00-0318	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,761.67	2,014.49
27 15 13 00-0319	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,785.69	2,517.89
27 15 13 00-0320	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,774.03	3,314.92
27 15 13 00-0321	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	14,836.19	6,105.93
27 15 13 00-0322	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	21,840.40	8,080.34
27 15 13 00-0323	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,909.33	10,182.46
27 15 13 00-0324	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	40,517.86	13,967.21

27 15 13 00-0325 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit *(27 15 13 00-0001)*

27 15 13 00-0326	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,404.47	720.59
27 15 13 00-0327	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,608.26	746.69
27 15 13 00-0328	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,735.09	772.80
27 15 13 00-0329	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,904.83	798.90
27 15 13 00-0330	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,107.18	852.03
27 15 13 00-0331	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,307.68	906.10
27 15 13 00-0332	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,781.39	1,014.24
27 15 13 00-0333	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,612.16	1,335.85
27 15 13 00-0334	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,388.42	1,973.47
27 15 13 00-0335	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,229.56	633.90
27 15 13 00-0336	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,404.54	657.20
27 15 13 00-0337	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,514.12	680.51
27 15 13 00-0338	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,659.38	702.88
27 15 13 00-0339	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,833.75	750.42
27 15 13 00-0340	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,007.20	797.97
27 15 13 00-0341	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,414.49	892.12
27 15 13 00-0342	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,136.86	1,175.51
27 15 13 00-0343	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,678.36	1,736.70
27 15 13 00-0344	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,082.82	577.03
27 15 13 00-0345	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,233.44	597.54
27 15 13 00-0346	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,339.30	618.05
27 15 13 00-0347	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,530.56	639.49
27 15 13 00-0348	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,699.74	682.37
27 15 13 00-0349	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,022.98	725.26
27 15 13 00-0350	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,261.13	811.02
27 15 13 00-0351	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,858.76	1,069.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0352	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,310.55	1,579.15
27 15 13 00-0353	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,561.37	1,616.44
27 15 13 00-0354	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,425.15	1,882.12
27 15 13 00-0355	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,819.66	2,014.49
27 15 13 00-0356	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,983.83	2,517.89
27 15 13 00-0357	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,469.51	3,314.92
27 15 13 00-0358	MLF	250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	18,424.97	6,105.93
27 15 13 00-0359	MLF	500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	28,176.12	8,080.34
27 15 13 00-0360	MLF	750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	37,939.89	10,182.46
27 15 13 00-0361	MLF	1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	53,555.01	13,966.27
27 15 13 00-0362	MLF	1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,038.96	577.03
27 15 13 00-0363	MLF	2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,147.74	597.54
27 15 13 00-0364	MLF	3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,227.89	618.05
27 15 13 00-0365	MLF	4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,362.98	639.49
27 15 13 00-0366	MLF	5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit	1,497.07	682.37
27 15 13 00-0367	MLF	6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,729.38	725.26
27 15 13 00-0368	MLF	8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,933.45	811.02
27 15 13 00-0369	MLF	12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,470.58	1,069.24
27 15 13 00-0370	MLF	24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,705.59	1,579.15
27 15 13 00-0371	MLF	25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,888.54	1,616.44
27 15 13 00-0372	MLF	36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,600.63	1,882.12
27 15 13 00-0373	MLF	40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	4,932.60	2,014.49
27 15 13 00-0374	MLF	50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,979.25	2,517.89
27 15 13 00-0375	MLF	100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,047.93	3,314.92
27 15 13 00-0376	MLF	250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	15,416.25	6,105.93
27 15 13 00-0377	MLF	500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	22,864.45	8,080.34
27 15 13 00-0378	MLF	750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	30,369.21	10,182.46
27 15 13 00-0379	MLF	1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	42,625.57	13,967.21

27 15 13 00-0380 Copper Telecommunications Cable *(27 15 13)*

27 15 13 00-0381 Indoor Telecommunications Cable *(27 15 13 00-0380)*

Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.

27 15 13 00-0382 Category 3, Indoor Telecommunications Cable *(27 15 13 00-0381)*

Note: Un-shielded twisted pair cables (UTP).

27 15 13 00-0383 Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0382)*

27 15 13 00-0384 24 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0383)*

27 15 13 00-0385 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0384)*

27 15 13 00-0386	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	825.14	428.60
27 15 13 00-0387	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	872.43	428.60
27 15 13 00-0388	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	889.14	428.60
27 15 13 00-0389	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,085.27	489.83
27 15 13 00-0390	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,433.38	489.83
27 15 13 00-0391	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	1,986.11	489.83
27 15 13 00-0392	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,235.25	612.28
27 15 13 00-0393	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,902.96	979.64
27 15 13 00-0394	MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	8,084.06	1,102.10
27 15 13 00-0395	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	10,838.45	1,224.56
27 15 13 00-0396	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	15,883.90	1,714.38
27 15 13 00-0397	MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	20,871.33	2,118.48
27 15 13 00-0398	MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	33,242.86	2,938.94

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0399		MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	53,545.72	5,877.87
27 15 13 00-0400		MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	72,462.14	8,816.81
27 15 13 00-0401			24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0384)*		
27 15 13 00-0402		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,539.46	857.19
			For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0403		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,586.75	857.19
			For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0404		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,603.46	857.19
			For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0405		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	1,697.55	857.19
			For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0406		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,045.66	857.19
			For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0407		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	2,802.49	979.64
			For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0408		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,255.72	1,224.56
			For Work In Restricted Working Space, Add	*612.28*	
27 15 13 00-0409		MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,719.32	1,469.47
			For Work In Restricted Working Space, Add	*734.73*	
27 15 13 00-0410		MLF	150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	9,002.48	1,653.15
			For Work In Restricted Working Space, Add	*826.58*	
27 15 13 00-0411		MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	11,858.91	1,836.83
			For Work In Restricted Working Space, Add	*918.42*	
27 15 13 00-0412		MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	17,312.55	2,571.57
			For Work In Restricted Working Space, Add	*1,285.79*	
27 15 13 00-0413		MLF	400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	22,646.93	3,183.85
			For Work In Restricted Working Space, Add	*1,591.92*	
27 15 13 00-0414		MLF	600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	35,691.97	4,408.40
			For Work In Restricted Working Space, Add	*2,204.20*	
27 15 13 00-0415		MLF	900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	58,443.95	8,816.81
			For Work In Restricted Working Space, Add	*4,408.40*	
27 15 13 00-0416		MLF	1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	79,809.49	13,225.21
			For Work In Restricted Working Space, Add	*6,612.61*	
27 15 13 00-0417			22 AWG, Category 3, Indoor Telecommunications Riser Cable *(27 15 13 00-0383)*		
27 15 13 00-0418			22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0417)*		
27 15 13 00-0419		MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	3,362.83	489.83
27 15 13 00-0420		MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	5,062.63	612.28
27 15 13 00-0421		MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	9,309.38	979.64
27 15 13 00-0422		MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	16,771.77	1,224.56
27 15 13 00-0423		MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	24,707.64	1,714.38
27 15 13 00-0424		MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	32,236.11	2,118.48
27 15 13 00-0425		MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit	47,888.07	2,938.94
27 15 13 00-0426			22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0417)*		
27 15 13 00-0427		MLF	25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	4,179.21	979.64
			For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0428		MLF	50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	6,083.10	1,224.56
			For Work In Restricted Working Space, Add	*612.28*	
27 15 13 00-0429		MLF	100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	10,125.74	1,469.47
			For Work In Restricted Working Space, Add	*734.73*	
27 15 13 00-0430		MLF	200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	17,792.23	1,836.83
			For Work In Restricted Working Space, Add	*918.42*	
27 15 13 00-0431		MLF	300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	26,136.29	2,571.57
			For Work In Restricted Working Space, Add	*1,285.79*	
27 15 13 00-0432		MLF	400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	34,011.71	3,183.85
			For Work In Restricted Working Space, Add	*1,591.92*	
27 15 13 00-0433		MLF	600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed	50,337.18	4,408.40
			For Work In Restricted Working Space, Add	*2,204.20*	
27 15 13 00-0434			Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0382)*		
27 15 13 00-0435			24 AWG, Category 3, Indoor Telecommunications Plenum Cable *(27 15 13 00-0434)*		
27 15 13 00-0436			24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0435)*		
27 15 13 00-0437		MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	863.38	428.60
27 15 13 00-0438		MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	910.48	428.60
27 15 13 00-0439		MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	945.70	428.60
27 15 13 00-0440		MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,148.79	489.83
27 15 13 00-0441		MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,528.25	489.83
27 15 13 00-0442		MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	2,556.84	489.83
27 15 13 00-0443		MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	4,397.21	612.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0444	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	8,337.57	979.64
27 15 13 00-0445	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	14,653.63	1,224.56
27 15 13 00-0446	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit	22,015.44	1,714.38
27 15 13 00-0447		24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0435)*		
27 15 13 00-0448	MLF	2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,577.70	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0449	MLF	3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,624.80	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0450	MLF	4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,660.02	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0451	MLF	6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	1,761.07	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0452	MLF	12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	2,140.53	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0453	MLF	25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	3,373.22	979.64
		For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0454	MLF	50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	5,417.68	1,224.56
		For Work In Restricted Working Space, Add	*612.28*	
27 15 13 00-0455	MLF	100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	9,153.93	1,469.47
		For Work In Restricted Working Space, Add	*734.73*	
27 15 13 00-0456	MLF	200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	15,674.09	1,836.83
		For Work In Restricted Working Space, Add	*918.42*	
27 15 13 00-0457	MLF	300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed	23,444.09	2,571.57
		For Work In Restricted Working Space, Add	*1,285.79*	
27 15 13 00-0458		Category 5E, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0459		Category 5E, Indoor Telecommunications Riser Cable *(27 15 13 00-0458)*		
27 15 13 00-0460		Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0459)*		
27 15 13 00-0461	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	901.32	428.60
27 15 13 00-0462	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	945.12	428.60
27 15 13 00-0463	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,048.00	489.83
27 15 13 00-0464	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit	1,091.78	489.83
27 15 13 00-0465		Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0459)*		
27 15 13 00-0466	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,615.64	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0467	MLF	4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,659.44	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0468	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,864.38	979.64
		For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0469	MLF	4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed	1,908.16	979.64
		For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0470		Category 5E, Indoor Telecommunications Plenum Cable *(27 15 13 00-0458)*		
27 15 13 00-0471		Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0470)*		
27 15 13 00-0472	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,062.38	428.60
27 15 13 00-0473	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,506.65	489.83
27 15 13 00-0474		Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0470)*		
27 15 13 00-0475	MLF	4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	1,776.70	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0476	MLF	4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed	2,323.03	979.64
		For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0477		Category 6, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0478		Category 6, Indoor Telecommunications Riser Cable *(27 15 13 00-0477)*		
27 15 13 00-0479		Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0478)*		
27 15 13 00-0480	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,007.81	428.60
27 15 13 00-0481	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit	1,040.62	428.60
27 15 13 00-0482		Category 6, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0478)*		
27 15 13 00-0483	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,722.13	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0484	MLF	4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed	1,754.94	857.19
		For Work In Restricted Working Space, Add	*428.60*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0485		Category 6, Indoor Telecommunications Plenum Cable *(27 15 13 00-0477)*		
27 15 13 00-0486		Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0485)*		
27 15 13 00-0487	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,236.05	428.60
27 15 13 00-0488		Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0485)*		
27 15 13 00-0489	MLF	4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed	1,950.37	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0490		Category 6A, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0491		Category 6a, Indoor Telecommunications Riser Cable *(27 15 13 00-0490)*		
27 15 13 00-0492		Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit *(27 15 13 00-0491)*		
27 15 13 00-0493	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit	1,060.24	428.60
27 15 13 00-0494		Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed *(27 15 13 00-0491)*		
27 15 13 00-0495	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed	1,774.56	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0496		Category 6A, Indoor Telecommunications Plenum Cable *(27 15 13 00-0490)*		
27 15 13 00-0497		Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit *(27 15 13 00-0496)*		
27 15 13 00-0498	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit	1,371.65	428.60
27 15 13 00-0499		Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed *(27 15 13 00-0496)*		
27 15 13 00-0500	MLF	4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed	2,085.97	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 13 00-0501		Category 7, Indoor Telecommunications Cable *(27 15 13 00-0381)*		
27 15 13 00-0502		Category 7, Indoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0501)*		
27 15 13 00-0503	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit	2,149.88	489.83
27 15 13 00-0504	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit	3,660.64	489.83
27 15 13 00-0505		Category 7, Indoor Telecommunications Cable, Installed Exposed *(27 15 13 00-0501)*		
27 15 13 00-0506	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed	2,966.26	979.64
		For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0507	MLF	4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed	4,477.02	979.64
		For Work In Restricted Working Space, Add	*489.83*	
27 15 13 00-0508		Outdoor Telecommunications Cable *(27 15 13 00-0380)* Note: Cable buried in trench excludes excavation.		
27 15 13 00-0509		PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0508)* Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0510		24 AWG, PE-89 Outdoor Telecommunications Cable *(27 15 13 00-0509)*		
27 15 13 00-0511		24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0510)*		
27 15 13 00-0512	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	1,828.35	489.83
27 15 13 00-0513	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,256.39	857.19
27 15 13 00-0514	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	3,280.51	551.05
27 15 13 00-0515	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	5,139.16	612.28
27 15 13 00-0516	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,293.31	857.19
27 15 13 00-0517	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	9,247.43	979.64
27 15 13 00-0518	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	16,286.19	1,102.10
27 15 13 00-0519	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	23,961.11	1,591.92
27 15 13 00-0520	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	31,769.04	2,081.75
27 15 13 00-0521	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	43,153.02	2,816.48
27 15 13 00-0522	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	67,316.23	5,632.96
27 15 13 00-0523	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	91,568.02	8,326.98
27 15 13 00-0524		24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0510)*		
27 15 13 00-0525	MLF	6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,675.28	
27 15 13 00-0526	MLF	12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,103.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0527	MLF	25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	3,076.42	
27 15 13 00-0528	MLF	50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,935.07	
27 15 13 00-0529	MLF	75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,987.17	
27 15 13 00-0530	MLF	100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	8,737.19	
27 15 13 00-0531	MLF	200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	16,082.11	
27 15 13 00-0532	MLF	300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,348.83	
27 15 13 00-0533	MLF	400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	30,493.46	
27 15 13 00-0534	MLF	600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	40,908.00	
27 15 13 00-0535	MLF	900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	61,193.44	
27 15 13 00-0536	MLF	1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	82,587.93	
27 15 13 00-0537		**22 AWG, PE-89 Outdoor Telecommunications Cable** *(27 15 13 00-0509)*		
27 15 13 00-0538		**22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0537)*		
27 15 13 00-0539	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,100.47	489.83
27 15 13 00-0540	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	2,764.78	489.83
27 15 13 00-0541	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	4,321.16	551.05
27 15 13 00-0542	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	6,991.39	612.28
27 15 13 00-0543	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	10,187.83	857.19
27 15 13 00-0544	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,182.47	979.64
27 15 13 00-0545	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	23,877.43	1,102.10
27 15 13 00-0546	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	34,787.74	1,591.92
27 15 13 00-0547	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	46,364.27	2,081.75
27 15 13 00-0548	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	68,640.88	2,816.48
27 15 13 00-0549	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	99,505.29	5,632.96
27 15 13 00-0550	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	139,725.82	8,326.98
27 15 13 00-0551		**22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0537)*		
27 15 13 00-0552	MLF	6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	1,947.40	
27 15 13 00-0553	MLF	12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	2,611.71	
27 15 13 00-0554	MLF	25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	4,117.07	
27 15 13 00-0555	MLF	50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	6,787.30	
27 15 13 00-0556	MLF	75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	9,881.69	
27 15 13 00-0557	MLF	100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	12,876.32	
27 15 13 00-0558	MLF	200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	23,673.35	
27 15 13 00-0559	MLF	300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	34,175.46	
27 15 13 00-0560	MLF	400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	45,088.69	
27 15 13 00-0561	MLF	600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	66,395.86	
27 15 13 00-0562	MLF	900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	93,382.50	
27 15 13 00-0563	MLF	1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	130,745.73	
27 15 13 00-0564		**19 AWG, PE-89 Outdoor Telecommunications Cable** *(27 15 13 00-0509)*		
27 15 13 00-0565		**19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0564)*		
27 15 13 00-0566	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	7,529.26	551.05
27 15 13 00-0567	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	13,262.19	612.28
27 15 13 00-0568	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	21,342.43	857.19
27 15 13 00-0569	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit	25,603.11	979.64
27 15 13 00-0570		**19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench** *(27 15 13 00-0564)*		
27 15 13 00-0571	MLF	25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	7,325.17	
27 15 13 00-0572	MLF	50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	13,058.10	
27 15 13 00-0573	MLF	75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	21,036.29	
27 15 13 00-0574	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench	25,296.96	
27 15 13 00-0575		**PE-39 Outdoor Telecommunications Cable** *(27 15 13 00-0508)* Note: Includes solid polyolefin insulated conductors.		
27 15 13 00-0576		**24 AWG, PE-39 Outdoor Telecommunications Cable** *(27 15 13 00-0575)*		
27 15 13 00-0577		**24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit** *(27 15 13 00-0576)*		
27 15 13 00-0578	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,478.89	857.19
27 15 13 00-0579	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,002.55	857.19
27 15 13 00-0580	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	4,059.01	857.19
27 15 13 00-0581	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,961.49	857.19
27 15 13 00-0582	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	9,820.00	857.19
27 15 13 00-0583	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	18,062.41	1,102.10
27 15 13 00-0584	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	26,383.95	1,591.92
27 15 13 00-0585	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	34,721.25	2,081.75
27 15 13 00-0586	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	47,463.48	2,816.48
27 15 13 00-0587	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	72,890.71	5,632.96
27 15 13 00-0588	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	106,025.98	8,326.98

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0589		24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0576)*		
27 15 13 00-0590	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,172.75	
27 15 13 00-0591	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,696.41	
27 15 13 00-0592	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,752.87	
27 15 13 00-0593	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	5,655.35	
27 15 13 00-0594	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	9,513.86	
27 15 13 00-0595	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	17,858.33	
27 15 13 00-0596	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	25,771.67	
27 15 13 00-0597	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	33,445.67	
27 15 13 00-0598	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	45,218.46	
27 15 13 00-0599	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	66,767.92	
27 15 13 00-0600	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	97,045.89	
27 15 13 00-0601		22 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0602		22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0601)*		
27 15 13 00-0603	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	2,781.64	857.19
27 15 13 00-0604	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	3,551.13	857.19
27 15 13 00-0605	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	5,188.66	857.19
27 15 13 00-0606	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,201.12	857.19
27 15 13 00-0607	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,487.73	857.19
27 15 13 00-0608	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,045.35	1,102.10
27 15 13 00-0609	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	39,643.88	1,591.92
27 15 13 00-0610	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	50,758.88	2,081.75
27 15 13 00-0611	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	70,962.29	2,816.48
27 15 13 00-0612	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	110,940.73	5,632.96
27 15 13 00-0613		22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0601)*		
27 15 13 00-0614	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	2,475.50	
27 15 13 00-0615	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	3,244.99	
27 15 13 00-0616	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	4,882.52	
27 15 13 00-0617	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	7,894.98	
27 15 13 00-0618	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,181.59	
27 15 13 00-0619	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	26,841.27	
27 15 13 00-0620	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	39,031.60	
27 15 13 00-0621	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	49,483.30	
27 15 13 00-0622	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	68,717.27	
27 15 13 00-0623	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	104,817.94	
27 15 13 00-0624		19 AWG, PE-39 Outdoor Telecommunications Cable *(27 15 13 00-0575)*		
27 15 13 00-0625		19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit *(27 15 13 00-0624)*		
27 15 13 00-0626	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	8,816.15	857.19
27 15 13 00-0627	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	14,925.82	857.19
27 15 13 00-0628	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit	27,595.12	857.19
27 15 13 00-0629		19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench *(27 15 13 00-0624)*		
27 15 13 00-0630	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	8,510.01	
27 15 13 00-0631	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	14,619.68	
27 15 13 00-0632	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench	27,288.98	
27 15 13 00-0633		(Aerial) Outdoor Telecommunications Cable *(27 15 13 00-0508)* Note: Includes support wire.		
27 15 13 00-0634		24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0635	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,201.55	1,761.21
27 15 13 00-0636	MLF	12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,637.26	1,761.21
27 15 13 00-0637	MLF	25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,719.04	1,761.21
27 15 13 00-0638	MLF	50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	10,721.94	1,761.21
27 15 13 00-0639	MLF	100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	14,590.51	1,761.21
27 15 13 00-0640	MLF	200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	22,672.27	1,937.34
27 15 13 00-0641	MLF	300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	30,801.91	2,113.46
27 15 13 00-0642		22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0643	MLF	6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	7,722.83	1,761.21
27 15 13 00-0644	MLF	12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,366.57	1,761.21
27 15 13 00-0645	MLF	25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,917.07	1,761.21
27 15 13 00-0646	MLF	50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,980.22	1,761.21
27 15 13 00-0647	MLF	100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	19,660.77	1,761.21
27 15 13 00-0648	MLF	200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	31,836.39	1,937.34

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0649		19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles *(27 15 13 00-0633)*		
27 15 13 00-0650	MLF	6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	8,412.01	1,761.21
27 15 13 00-0651	MLF	12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	9,867.79	1,761.21
27 15 13 00-0652	MLF	25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	12,730.09	1,761.21
27 15 13 00-0653	MLF	50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	18,454.74	1,761.21
27 15 13 00-0654	MLF	100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles	29,896.72	1,761.21
27 15 13 00-0655		Sound System Cables *(27 15 13)*		
		Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656		Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0655)*		
27 15 13 00-0657		Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0658	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,614.82	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0659	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,510.35	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0660	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,429.77	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0661	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,517.89	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0662	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,801.11	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0663	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,083.40	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0664	MLF	4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,802.30	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0665	MLF	4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,666.31	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0666		Plenum Rated Speaker/Communications And Control Cable, Installed Exposed *(27 15 13 00-0656)*		
27 15 13 00-0667	MLF	2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,657.98	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0668	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,537.80	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0669	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,469.78	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0670	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,583.29	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0671	MLF	8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,823.08	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0672	MLF	2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,796.63	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0673	MLF	2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,630.40	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0674	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,912.96	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0675	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	2,194.74	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0676	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,503.89	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0677	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed	1,560.03	652.54
		For Work In Restricted Working Space, Add	*391.53*	
27 15 13 00-0678		Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0655)*		
27 15 13 00-0679		Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0680	MLF	2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	962.27	326.27
27 15 13 00-0681	MLF	2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	857.80	326.27
27 15 13 00-0682	MLF	2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	777.22	326.27
27 15 13 00-0683	MLF	4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	865.34	326.27
27 15 13 00-0684	MLF	4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,148.56	326.27
27 15 13 00-0685	MLF	6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,430.85	326.27
27 15 13 00-0686	MLF	4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,149.75	326.27
27 15 13 00-0687	MLF	4 Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit	1,013.76	326.27

27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit *(27 15 13 00-0678)*

27 15 13 00-0689	MLF	2 Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,005.43	326.27
27 15 13 00-0690	MLF	2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	885.25	326.27
27 15 13 00-0691	MLF	2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	817.23	326.27
27 15 13 00-0692	MLF	4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	930.74	326.27
27 15 13 00-0693	MLF	8 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,170.53	326.27
27 15 13 00-0694	MLF	2 Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,144.08	326.27
27 15 13 00-0695	MLF	2 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	977.85	326.27
27 15 13 00-0696	MLF	4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,260.41	326.27
27 15 13 00-0697	MLF	6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit	1,542.19	326.27
27 15 13 00-0698	MLF	2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	907.48	326.27
27 15 13 00-0699	MLF	2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit	851.34	326.27

27 15 23 Communications Optical Fiber Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 23 00-0001 Indoor Fiber Optic Cable *(27 15 23)*

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*

Note: Excludes conduit or innerduct.

27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*

27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*

27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	918.33	367.36
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,010.57	367.36
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,041.36	367.36
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,151.04	367.36
		For Aluminum Armored Cable, Add	*836.29*	
		For Steel Armored Cable, Add	*1,656.58*	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,182.48	367.36
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,372.56	367.36
		For Aluminum Armored Cable, Add	*884.22*	
		For Steel Armored Cable, Add	*1,743.68*	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,394.61	428.60
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,409.96	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*1,742.52*	
		For Steel Armored Cable, Add	*2,401.69*	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,181.62	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*1,836.94*	
		For Steel Armored Cable, Add	*2,219.85*	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,331.29	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*1,927.32*	
		For Steel Armored Cable, Add	*2,324.45*	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,275.09	428.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,526.08	428.60
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,846.27	428.60
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,217.77	489.83
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,018.07	489.83

27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	944.89	367.36
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,066.36	367.36
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,335.97	367.36
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,619.77	367.36
		For Aluminum Armored Cable, Add	*876.82*	
		For Steel Armored Cable, Add	*1,165.21*	
27 15 23 00-0026	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,889.38	367.36
27 15 23 00-0027	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,442.79	367.36
		For Aluminum Armored Cable, Add	*833.93*	
		For Steel Armored Cable, Add	*1,209.69*	
27 15 23 00-0028	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,686.74	428.60
27 15 23 00-0029	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,687.53	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*912.06*	
		For Steel Armored Cable, Add	*912.06*	
27 15 23 00-0030	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,674.13	428.60
27 15 23 00-0031	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,660.73	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*1,627.59*	
27 15 23 00-0032	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,647.33	428.60
27 15 23 00-0033	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,633.93	428.60
27 15 23 00-0034	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,621.32	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*7,009.86*	
27 15 23 00-0035	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,696.56	489.83
27 15 23 00-0036	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	24,669.76	489.83

27 15 23 00-0037 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0004)*

27 15 23 00-0038	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	961.52	367.36
27 15 23 00-0039	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,089.06	367.36
27 15 23 00-0040	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,372.15	367.36
27 15 23 00-0041	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,670.14	367.36
27 15 23 00-0042	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,953.24	367.36
27 15 23 00-0043	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,534.32	367.36
27 15 23 00-0044	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,785.36	428.60
27 15 23 00-0045	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,886.19	428.60
27 15 23 00-0046	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,972.12	428.60
27 15 23 00-0047	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,058.05	428.60
27 15 23 00-0048	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,143.98	428.60
27 15 23 00-0049	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,229.91	428.60
27 15 23 00-0050	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,416.67	428.60
27 15 23 00-0051	MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,690.57	489.83
27 15 23 00-0052	MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	25,862.43	489.83

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0053			Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0003)*		
27 15 23 00-0054			Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0055		MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,773.20	367.36
27 15 23 00-0056		MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,117.19	367.36
27 15 23 00-0057		MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,873.95	367.36
27 15 23 00-0058		MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,235.10	367.36
27 15 23 00-0059		MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,695.52	367.36
27 15 23 00-0060		MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,003.01	428.60
27 15 23 00-0061		MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,588.19	428.60
27 15 23 00-0062		MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,732.71	428.60
27 15 23 00-0063		MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	13,183.58	428.60
27 15 23 00-0064			50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0065		MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,149.47	367.36
27 15 23 00-0066		MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,634.14	367.36
27 15 23 00-0067		MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,433.25	367.36
27 15 23 00-0068		MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,620.96	367.36
27 15 23 00-0069		MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,114.17	367.36
27 15 23 00-0070		MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,852.92	428.60
27 15 23 00-0071		MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,632.89	428.60
27 15 23 00-0072		MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,849.85	428.60
27 15 23 00-0073		MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,074.61	428.60
27 15 23 00-0074			62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0053)*		
27 15 23 00-0075		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,226.33	367.36
27 15 23 00-0076		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,735.24	367.36
27 15 23 00-0077		MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,574.30	367.36
27 15 23 00-0078		MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,821.39	367.36
27 15 23 00-0079		MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,339.27	367.36
27 15 23 00-0080		MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,159.85	428.60
27 15 23 00-0081		MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,028.82	428.60
27 15 23 00-0082		MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,306.63	428.60
27 15 23 00-0083		MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,792.62	428.60
27 15 23 00-0084			Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0002)*		
27 15 23 00-0085			Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*		
27 15 23 00-0086			Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0087		MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	922.14	367.36
27 15 23 00-0088		MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	926.82	367.36
27 15 23 00-0089		MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,172.29	367.36
27 15 23 00-0090		MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,201.01	367.36
			For Aluminum Armored Cable, Add	*975.69*	
			For Steel Armored Cable, Add	*5,370.90*	
27 15 23 00-0091		MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,345.61	367.36
27 15 23 00-0092		MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,372.66	367.36
			For Aluminum Armored Cable, Add	*1,021.93*	
			For Steel Armored Cable, Add	*5,764.99*	
27 15 23 00-0093		MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,193.21	428.60
27 15 23 00-0094		MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,122.79	428.60
			For Aluminum Armored Cable With Sub-Units, Add	*927.38*	
			For Steel Armored Cable, Add	*6,052.59*	
27 15 23 00-0095		MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,583.28	428.60
27 15 23 00-0096		MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,756.60	428.60
			For Aluminum Armored Cable With Sub-Units, Add	*1,421.87*	
			For Steel Armored Cable, Add	*7,569.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0097	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,167.08	428.60
27 15 23 00-0098	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,673.03	428.60
27 15 23 00-0099	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,802.70	428.60
27 15 23 00-0100		50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0101	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	943.10	367.36
27 15 23 00-0102	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,386.98	367.36
27 15 23 00-0103	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,861.57	367.36
27 15 23 00-0104	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,345.67	367.36
		For Aluminum Armored Cable, Add	*153.66*	
		For Steel Armored Cable, Add	*505.83*	
27 15 23 00-0105	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,809.54	367.36
27 15 23 00-0106	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,212.57	367.36
		For Aluminum Armored Cable, Add	*40.15*	
		For Steel Armored Cable, Add	*439.92*	
27 15 23 00-0107	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,107.88	428.60
27 15 23 00-0108	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,550.25	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*2,030.76*	
		For Steel Armored Cable, Add	*4,736.32*	
27 15 23 00-0109	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,968.21	428.60
27 15 23 00-0110	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,386.17	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*6,030.26*	
27 15 23 00-0111	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,804.13	428.60
27 15 23 00-0112	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,222.09	428.60
27 15 23 00-0113	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	28,082.42	428.60
		For Aluminum Armored Cable With Sub-Units, Add	*12,060.52*	
27 15 23 00-0114		62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0085)*		
27 15 23 00-0115	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	959.64	367.36
27 15 23 00-0116	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,425.72	367.36
27 15 23 00-0117	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	1,924.03	367.36
27 15 23 00-0118	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,432.34	367.36
27 15 23 00-0119	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,919.40	367.36
27 15 23 00-0120	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,342.58	367.36
27 15 23 00-0121	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,277.55	428.60
27 15 23 00-0122	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	7,892.05	428.60
27 15 23 00-0123	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,480.90	428.60
27 15 23 00-0124	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,069.76	428.60
27 15 23 00-0125	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,658.62	428.60
27 15 23 00-0126	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	22,247.48	428.60
27 15 23 00-0127	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	29,450.83	428.60
27 15 23 00-0128		Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0084)*		
27 15 23 00-0129		Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0130	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	2,825.20	367.36
27 15 23 00-0131	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	3,243.72	367.36
27 15 23 00-0132	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,249.86	367.36
27 15 23 00-0133	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,235.91	367.36
27 15 23 00-0134	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,809.62	367.36

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0135		MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,726.57	428.60
27 15 23 00-0136		MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	14,060.17	428.60
27 15 23 00-0137		MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	17,024.69	428.60
27 15 23 00-0138		MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,261.37	428.60
27 15 23 00-0139			50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0140		MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	4,991.39	367.36
27 15 23 00-0141		MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,270.22	367.36
27 15 23 00-0142		MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,552.88	367.36
27 15 23 00-0143		MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	9,716.26	367.36
27 15 23 00-0144		MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	11,521.02	367.36
27 15 23 00-0145		MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	15,802.18	428.60
27 15 23 00-0146		MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	18,593.70	428.60
27 15 23 00-0147		MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	20,531.88	428.60
27 15 23 00-0148		MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	32,940.81	428.60
27 15 23 00-0149			62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0128)*		
27 15 23 00-0150		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	5,210.35	367.36
27 15 23 00-0151		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	6,553.12	367.36
27 15 23 00-0152		MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	8,949.91	367.36
27 15 23 00-0153		MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	10,171.46	367.36
27 15 23 00-0154		MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	12,066.45	367.36
27 15 23 00-0155		MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	16,556.57	428.60
27 15 23 00-0156		MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	19,487.67	428.60
27 15 23 00-0157		MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	21,522.76	428.60
27 15 23 00-0158		MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit	34,552.13	428.60
27 15 23 00-0159			Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)* Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160			Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*		
27 15 23 00-0161			Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*		
27 15 23 00-0162			Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0163		MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,122.42	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0164		MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,214.66	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0165		MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,245.45	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0166		MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,355.13	489.83
			For Aluminum Armored Cable, Add	*836.29*	
			For Steel Armored Cable, Add	*1,656.58*	
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0167		MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,386.57	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0168		MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,576.65	489.83
			For Aluminum Armored Cable, Add	*884.22*	
			For Steel Armored Cable, Add	*1,743.68*	
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0169		MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,598.70	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0170		MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,614.05	551.05
			For Aluminum Armored Cable With Sub-Units, Add	*1,742.52*	
			For Steel Armored Cable, Add	*2,401.69*	
			For Work In Restricted Working Space, Add	*275.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0171	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,385.71	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*1,836.94*	
		For Steel Armored Cable, Add	*2,219.85*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0172	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,535.38	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*1,927.32*	
		For Steel Armored Cable, Add	*2,324.45*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0173	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,479.18	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0174	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,730.17	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0175	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,050.36	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0176	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,421.86	612.28
		For Work In Restricted Working Space, Add	*306.14*	
27 15 23 00-0177	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,222.16	612.28
		For Work In Restricted Working Space, Add	*306.14*	
27 15 23 00-0178		50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0179	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,148.98	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0180	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,270.45	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0181	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,540.06	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0182	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,823.86	489.83
		For Aluminum Armored Cable, Add	*876.82*	
		For Steel Armored Cable, Add	*1,165.21*	
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0183	MLF	8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,093.47	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0184	MLF	12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,646.88	489.83
		For Aluminum Armored Cable, Add	*833.93*	
		For Steel Armored Cable, Add	*1,209.69*	
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0185	MLF	18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,890.83	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0186	MLF	24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,891.62	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*912.06*	
		For Steel Armored Cable, Add	*912.06*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0187	MLF	36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,878.22	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0188	MLF	48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,864.82	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*1,627.59*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0189	MLF	60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,851.42	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0190	MLF	72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,838.02	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0191	MLF	96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,825.41	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*7,009.86*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0192	MLF	120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,900.65	612.28
		For Work In Restricted Working Space, Add	*306.14*	
27 15 23 00-0193	MLF	144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	24,873.85	612.28
		For Work In Restricted Working Space, Add	*306.14*	
27 15 23 00-0194		62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0161)*		
27 15 23 00-0195	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,165.61	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0196	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,293.15	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0197	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,576.24	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0198	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,874.23	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0199	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,157.33	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0200	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,738.41	489.83
		For Work In Restricted Working Space, Add	*244.91*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0201		MLF	18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,989.45	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0202		MLF	24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,090.28	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0203		MLF	36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,176.21	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0204		MLF	48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,262.14	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0205		MLF	60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,348.07	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0206		MLF	72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,434.00	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0207		MLF	96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,620.76	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0208		MLF	120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,894.66	612.28
			For Work In Restricted Working Space, Add	*306.14*	
27 15 23 00-0209		MLF	144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	26,066.52	612.28
			For Work In Restricted Working Space, Add	*306.14*	

27 15 23 00-0210 Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0160)*

27 15 23 00-0211 Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0212		MLF	2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,977.29	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0213		MLF	4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,321.28	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0214		MLF	6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,078.04	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0215		MLF	8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,439.19	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0216		MLF	12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,899.61	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0217		MLF	18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,207.10	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0218		MLF	24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,792.28	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0219		MLF	36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,936.80	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0220		MLF	48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,387.67	551.05
			For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0222		MLF	2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,353.56	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0223		MLF	4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,838.23	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0224		MLF	6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,637.34	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0225		MLF	8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,825.05	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0226		MLF	12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,318.26	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0227		MLF	18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,057.01	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0228		MLF	24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,836.98	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0229		MLF	36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,053.94	551.05
			For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0230		MLF	48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,278.70	551.05
			For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0210)*

27 15 23 00-0232		MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,430.42	489.83
			For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0233		MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,939.33	489.83
			For Work In Restricted Working Space, Add	*244.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0234	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,778.39	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0235	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,025.48	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0236	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,543.36	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0237	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,363.94	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0238	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,232.91	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0239	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,510.72	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0240	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,996.71	551.05
		For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0159)*

27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0244	MLF	1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,126.23	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0245	MLF	2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,130.91	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0246	MLF	4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,376.38	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0247	MLF	6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,405.10	489.83
		For Aluminum Armored Cable, Add	*975.69*	
		For Steel Armored Cable, Add	*5,370.90*	
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0248	MLF	8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,549.70	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0249	MLF	12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,576.75	489.83
		For Aluminum Armored Cable, Add	*1,021.93*	
		For Steel Armored Cable, Add	*5,764.99*	
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0250	MLF	18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,397.30	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0251	MLF	24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,326.88	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*927.38*	
		For Steel Armored Cable, Add	*6,052.59*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0252	MLF	36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,787.37	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0253	MLF	48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,960.69	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*1,421.87*	
		For Steel Armored Cable, Add	*7,569.86*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0254	MLF	60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,371.17	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0255	MLF	72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,877.12	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0256	MLF	96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	13,006.79	551.05
		For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0258	MLF	1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,147.19	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0259	MLF	2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,591.07	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0260	MLF	4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,065.66	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0261	MLF	6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,549.76	489.83
		For Aluminum Armored Cable, Add	*153.66*	
		For Steel Armored Cable, Add	*505.83*	
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0262	MLF	8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,013.63	489.83
		For Work In Restricted Working Space, Add	*244.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0263	MLF	12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,416.66	489.83
		For Aluminum Armored Cable, Add	*40.15*	
		For Steel Armored Cable, Add	*439.92*	
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0264	MLF	18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,311.97	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0265	MLF	24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,754.34	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*2,030.76*	
		For Steel Armored Cable, Add	*4,736.32*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0266	MLF	36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,172.30	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0267	MLF	48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,590.26	551.05
		For Aluminum Armored Cable With Sub-Units, Add	*6,030.26*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0268	MLF	60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,008.22	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0269	MLF	72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,426.18	551.05
		For Work In Restricted Working Space, Add	*275.53*	
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0270	MLF	96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	28,286.51	551.05
		For Work In Restricted Working Space, Add	*275.53*	
		For Aluminum Armored Cable With Sub-Units, Add	*12,060.52*	
		For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0242)*

27 15 23 00-0272	MLF	1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,163.73	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0273	MLF	2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	1,629.81	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0274	MLF	4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,128.12	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	2,636.43	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,123.49	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,546.67	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,481.64	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,096.14	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,684.99	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,273.85	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,862.71	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,451.57	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	29,654.92	551.05
		For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0285 Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0241)*

27 15 23 00-0286 Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*

27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,029.29	489.83
		For Work In Restricted Working Space, Add	*244.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,447.81	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,453.95	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,440.00	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,013.71	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,930.66	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	14,264.26	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	17,228.78	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,465.46	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0296		50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*		
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,195.48	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,474.31	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,756.97	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,920.35	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,725.11	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,006.27	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,797.79	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,735.97	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	33,144.90	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0306		62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0285)*		
27 15 23 00-0307	MLF	2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,414.44	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0308	MLF	4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,757.21	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0309	MLF	6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,154.00	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0310	MLF	8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,375.55	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0311	MLF	12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	12,270.54	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0312	MLF	18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,760.66	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0313	MLF	24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,691.76	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0314	MLF	36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	21,726.85	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0315	MLF	48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	34,756.22	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0316		Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0001)*		
		Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317		Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*		
27 15 23 00-0318	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,361.88	367.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0319	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,375.67	367.36
27 15 23 00-0320	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	5,599.34	428.60
27 15 23 00-0321	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	8,893.95	428.60

27 15 23 00-0322 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0316)*

27 15 23 00-0323	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	1,642.34	367.36
27 15 23 00-0324	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	2,415.14	367.36
27 15 23 00-0325	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	6,667.71	428.60
27 15 23 00-0326	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit	11,586.09	428.60

27 15 23 00-0327 Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0001)*

Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.

27 15 23 00-0328 Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0329	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,565.97	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0330	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,579.76	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0331	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	5,803.43	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0332	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	9,098.04	551.05
		For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0333 Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed *(27 15 23 00-0327)*

27 15 23 00-0334	MLF	6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	1,846.43	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0335	MLF	12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	2,619.23	489.83
		For Work In Restricted Working Space, Add	*244.91*	
27 15 23 00-0336	MLF	24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	6,871.80	551.05
		For Work In Restricted Working Space, Add	*275.53*	
27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed	11,790.18	551.05
		For Work In Restricted Working Space, Add	*275.53*	

27 15 23 00-0338 Outdoor Fiber Optic Cable *(27 15 23)*

Note: Cable buried in trench excludes excavation.

27 15 23 00-0339 Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Excludes conduit or innerduct.

27 15 23 00-0340 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0341 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,773.84	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.30*	
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,807.25	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.53*	
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,840.69	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.67*	
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,874.12	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.29*	
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,940.54	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.10*	
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,076.40	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.53*	
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,146.24	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.48*	
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,167.79	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.38*	
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,567.48	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,787.83	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.93*	
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,073.73	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*332.04*	
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,577.05	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.79*	
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,126.99	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.10*	
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,702.56	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*259.12*	

27 15 23 00-0356 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,607.32	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,685.81	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,850.24	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,074.47	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,167.90	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,485.57	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,158.26	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,148.62	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,251.09	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,017.22	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,007.58	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,305.96	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	12,585.65	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	14,865.34	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0371 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0340)*

27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,542.07	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.74*	
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,652.38	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*123.04*	
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,762.53	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*131.15*	
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,898.59	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*149.30*	
27 15 23 00-0376	MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,093.46	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0377	MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,437.97	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*165.93*	
27 15 23 00-0378	MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,764.32	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*190.82*	
27 15 23 00-0379	MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,388.91	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.05*	
27 15 23 00-0380	MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,119.45	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*243.81*	
27 15 23 00-0381	MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,794.21	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*262.35*	
27 15 23 00-0382	MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,506.38	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*296.94*	
27 15 23 00-0383	MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,946.77	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*333.87*	
27 15 23 00-0384	MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,410.28	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*378.90*	
27 15 23 00-0385	MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,896.38	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*348.05*	

27 15 23 00-0386 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0339)*

27 15 23 00-0387 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0388	MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,965.13	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*212.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0389	MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,030.27	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*304.32*	
27 15 23 00-0390	MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,049.82	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*291.65*	
27 15 23 00-0391	MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,127.84	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*242.79*	
27 15 23 00-0392	MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,152.19	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*290.17*	
27 15 23 00-0393	MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,261.54	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.21*	
27 15 23 00-0394	MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,359.59	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*278.47*	
27 15 23 00-0395	MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,516.00	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*353.13*	
27 15 23 00-0396	MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,736.36	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*357.74*	
27 15 23 00-0397	MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,955.86	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*370.62*	
27 15 23 00-0398	MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,253.45	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.80*	
27 15 23 00-0399	MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,734.81	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*415.76*	
27 15 23 00-0400	MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,364.57	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*409.39*	
27 15 23 00-0401	MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,879.91	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*327.02*	

27 15 23 00-0402 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0403	MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,184.72	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*300.05*	
27 15 23 00-0404	MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,412.76	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*168.03*	
27 15 23 00-0405	MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,712.81	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*36.01*	
27 15 23 00-0406	MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,856.83	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0407	MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,000.86	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0408	MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,336.91	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*72.01*	
27 15 23 00-0409	MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,636.96	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.05*	
27 15 23 00-0410	MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,285.07	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*540.09*	
27 15 23 00-0411	MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,933.18	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*900.15*	
27 15 23 00-0412	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,473.27	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*990.16*	
27 15 23 00-0413	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,181.39	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,260.21*	
27 15 23 00-0414	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	7,657.63	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,860.31*	
27 15 23 00-0415	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,401.76	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,404.23*	
27 15 23 00-0416	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	10,310.07	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,420.57*	

27 15 23 00-0417 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0386)*

27 15 23 00-0418	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,616.56	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.02*	
27 15 23 00-0419	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,724.58	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0420	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,832.42	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.34*	
27 15 23 00-0421	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	1,940.43	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.98*	
27 15 23 00-0422	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,220.25	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.51*	
27 15 23 00-0423	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,494.63	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*225.59*	
27 15 23 00-0424	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	2,830.84	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.03*	
27 15 23 00-0425	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	3,481.60	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.75*	
27 15 23 00-0426	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,144.53	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*346.87*	
27 15 23 00-0427	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	4,809.74	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*386.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0428	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	5,509.20	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*430.74*	
27 15 23 00-0429	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	6,928.59	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*507.90*	
27 15 23 00-0430	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	8,760.62	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*525.04*	
27 15 23 00-0431	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit	9,834.25	734.74
		For Corrugated Coated Steel Tape Armored Cable, Add	*542.01*	

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0338)*

Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0435	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,671.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*268.30*	
27 15 23 00-0436	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,705.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*270.53*	
27 15 23 00-0437	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,738.64	
		For Corrugated Coated Steel Tape Armored Cable, Add	*272.67*	
27 15 23 00-0438	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,772.07	
		For Corrugated Coated Steel Tape Armored Cable, Add	*275.29*	
27 15 23 00-0439	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,838.49	
		For Corrugated Coated Steel Tape Armored Cable, Add	*249.10*	
27 15 23 00-0440	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,974.35	
		For Corrugated Coated Steel Tape Armored Cable, Add	*277.53*	
27 15 23 00-0441	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,044.19	
		For Corrugated Coated Steel Tape Armored Cable, Add	*218.48*	
27 15 23 00-0442	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,065.74	
		For Corrugated Coated Steel Tape Armored Cable, Add	*255.38*	
27 15 23 00-0443	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,465.43	
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.95*	
27 15 23 00-0444	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,966.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*280.93*	
27 15 23 00-0445	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,303.72	
		For Corrugated Coated Steel Tape Armored Cable, Add	*332.04*	
27 15 23 00-0446	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,475.00	
		For Corrugated Coated Steel Tape Armored Cable, Add	*318.79*	
27 15 23 00-0447	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,024.94	
		For Corrugated Coated Steel Tape Armored Cable, Add	*387.10*	
27 15 23 00-0448	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,600.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*259.12*	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0450	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,505.27	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-4.02*	
27 15 23 00-0451	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,583.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*41.21*	
27 15 23 00-0452	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,748.19	
		For Corrugated Coated Steel Tape Armored Cable, Add	*106.57*	
27 15 23 00-0453	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,972.42	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-64.62*	
27 15 23 00-0454	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,065.85	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-34.32*	
27 15 23 00-0455	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,383.52	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-16.15*	
27 15 23 00-0456	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,056.21	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-87.85*	
27 15 23 00-0457	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,046.57	
		For Corrugated Coated Steel Tape Armored Cable, Add	*0.01*	
27 15 23 00-0458	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,149.04	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-200.97*	
27 15 23 00-0459	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,915.17	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-100.97*	
27 15 23 00-0460	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,905.53	
		For Corrugated Coated Steel Tape Armored Cable, Add	*464.14*	
27 15 23 00-0461	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,203.91	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-208.04*	
27 15 23 00-0462	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	12,483.60	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-278.22*	
27 15 23 00-0463	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	14,763.29	
		For Corrugated Coated Steel Tape Armored Cable, Add	*-330.75*	

27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0433)*

27 15 23 00-0465	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,440.02	
		For Corrugated Coated Steel Tape Armored Cable, Add	*114.74*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0466		MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,550.33	
			For Corrugated Coated Steel Tape Armored Cable, Add	*123.04*	
27 15 23 00-0467		MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,660.48	
			For Corrugated Coated Steel Tape Armored Cable, Add	*131.15*	
27 15 23 00-0468		MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,796.54	
			For Corrugated Coated Steel Tape Armored Cable, Add	*149.30*	
27 15 23 00-0469		MLF	12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,991.41	
			For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0470		MLF	18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,335.92	
			For Corrugated Coated Steel Tape Armored Cable, Add	*165.93*	
27 15 23 00-0471		MLF	24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,662.27	
			For Corrugated Coated Steel Tape Armored Cable, Add	*190.82*	
27 15 23 00-0472		MLF	36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,286.86	
			For Corrugated Coated Steel Tape Armored Cable, Add	*212.05*	
27 15 23 00-0473		MLF	48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,017.40	
			For Corrugated Coated Steel Tape Armored Cable, Add	*243.81*	
27 15 23 00-0474		MLF	60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,692.16	
			For Corrugated Coated Steel Tape Armored Cable, Add	*262.35*	
27 15 23 00-0475		MLF	72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,404.33	
			For Corrugated Coated Steel Tape Armored Cable, Add	*296.94*	
27 15 23 00-0476		MLF	96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,844.72	
			For Corrugated Coated Steel Tape Armored Cable, Add	*333.87*	
27 15 23 00-0477		MLF	120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,308.23	
			For Corrugated Coated Steel Tape Armored Cable, Add	*378.90*	
27 15 23 00-0478		MLF	144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,794.33	
			For Corrugated Coated Steel Tape Armored Cable, Add	*348.05*	

27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0432)*

27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0481		MLF	2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,863.08	
			For Corrugated Coated Steel Tape Armored Cable, Add	*212.03*	
27 15 23 00-0482		MLF	4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,928.22	
			For Corrugated Coated Steel Tape Armored Cable, Add	*304.32*	
27 15 23 00-0483		MLF	6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,947.77	
			For Corrugated Coated Steel Tape Armored Cable, Add	*291.65*	
27 15 23 00-0484		MLF	8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,025.79	
			For Corrugated Coated Steel Tape Armored Cable, Add	*242.79*	
27 15 23 00-0485		MLF	12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,050.14	
			For Corrugated Coated Steel Tape Armored Cable, Add	*290.17*	
27 15 23 00-0486		MLF	18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,159.49	
			For Corrugated Coated Steel Tape Armored Cable, Add	*275.21*	
27 15 23 00-0487		MLF	24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,257.54	
			For Corrugated Coated Steel Tape Armored Cable, Add	*278.47*	
27 15 23 00-0488		MLF	36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,413.95	
			For Corrugated Coated Steel Tape Armored Cable, Add	*353.13*	
27 15 23 00-0489		MLF	48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,634.31	
			For Corrugated Coated Steel Tape Armored Cable, Add	*357.74*	
27 15 23 00-0490		MLF	60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,853.81	
			For Corrugated Coated Steel Tape Armored Cable, Add	*370.62*	
27 15 23 00-0491		MLF	72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,151.40	
			For Corrugated Coated Steel Tape Armored Cable, Add	*318.80*	
27 15 23 00-0492		MLF	96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,632.76	
			For Corrugated Coated Steel Tape Armored Cable, Add	*415.76*	
27 15 23 00-0493		MLF	120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,262.52	
			For Corrugated Coated Steel Tape Armored Cable, Add	*409.39*	
27 15 23 00-0494		MLF	144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,777.86	
			For Corrugated Coated Steel Tape Armored Cable, Add	*327.02*	

27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0496		MLF	2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,082.67	
			For Corrugated Coated Steel Tape Armored Cable, Add	*300.05*	
27 15 23 00-0497		MLF	4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,310.71	
			For Corrugated Coated Steel Tape Armored Cable, Add	*168.03*	
27 15 23 00-0498		MLF	6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,610.76	
			For Corrugated Coated Steel Tape Armored Cable, Add	*36.01*	
27 15 23 00-0499		MLF	8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,754.78	
			For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0500		MLF	12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,898.81	
			For Corrugated Coated Steel Tape Armored Cable, Add	*60.01*	
27 15 23 00-0501		MLF	18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,234.86	
			For Corrugated Coated Steel Tape Armored Cable, Add	*72.01*	
27 15 23 00-0502		MLF	24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,534.91	
			For Corrugated Coated Steel Tape Armored Cable, Add	*276.05*	
27 15 23 00-0503		MLF	36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,183.02	
			For Corrugated Coated Steel Tape Armored Cable, Add	*540.09*	
27 15 23 00-0504		MLF	48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,831.13	
			For Corrugated Coated Steel Tape Armored Cable, Add	*900.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0505	MLF	60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,371.22	
		For Corrugated Coated Steel Tape Armored Cable, Add	*990.16*	
27 15 23 00-0506	MLF	72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,079.34	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,260.21*	
27 15 23 00-0507	MLF	96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,555.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,860.31*	
27 15 23 00-0508	MLF	120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,299.71	
		For Corrugated Coated Steel Tape Armored Cable, Add	*1,404.23*	
27 15 23 00-0509	MLF	144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,208.02	
		For Corrugated Coated Steel Tape Armored Cable, Add	*3,420.57*	

27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench *(27 15 23 00-0479)*

27 15 23 00-0511	MLF	2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,514.51	
		For Corrugated Coated Steel Tape Armored Cable, Add	*144.02*	
27 15 23 00-0512	MLF	4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,622.53	
		For Corrugated Coated Steel Tape Armored Cable, Add	*155.69*	
27 15 23 00-0513	MLF	6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,730.37	
		For Corrugated Coated Steel Tape Armored Cable, Add	*167.34*	
27 15 23 00-0514	MLF	8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	1,838.38	
		For Corrugated Coated Steel Tape Armored Cable, Add	*178.98*	
27 15 23 00-0515	MLF	12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,118.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*192.51*	
27 15 23 00-0516	MLF	18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,392.58	
		For Corrugated Coated Steel Tape Armored Cable, Add	*225.59*	
27 15 23 00-0517	MLF	24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,728.79	
		For Corrugated Coated Steel Tape Armored Cable, Add	*245.03*	
27 15 23 00-0518	MLF	36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,379.55	
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.75*	
27 15 23 00-0519	MLF	48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,042.48	
		For Corrugated Coated Steel Tape Armored Cable, Add	*346.87*	
27 15 23 00-0520	MLF	60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,707.69	
		For Corrugated Coated Steel Tape Armored Cable, Add	*386.26*	
27 15 23 00-0521	MLF	72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,407.15	
		For Corrugated Coated Steel Tape Armored Cable, Add	*430.74*	
27 15 23 00-0522	MLF	96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,826.54	
		For Corrugated Coated Steel Tape Armored Cable, Add	*507.90*	
27 15 23 00-0523	MLF	120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,338.76	
		For Corrugated Coated Steel Tape Armored Cable, Add	*525.04*	
27 15 23 00-0524	MLF	144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,732.20	
		For Corrugated Coated Steel Tape Armored Cable, Add	*542.01*	

27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0338)*

27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0525)*

27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles *(27 15 23 00-0526)*

27 15 23 00-0528	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,341.90	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*179.45*	
27 15 23 00-0529	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,375.09	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*184.10*	
27 15 23 00-0530	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,408.72	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*188.62*	
27 15 23 00-0531	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,441.91	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*185.01*	
27 15 23 00-0532	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,508.32	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*215.69*	
27 15 23 00-0533	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,639.45	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*224.23*	
27 15 23 00-0534	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,739.47	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*247.84*	
27 15 23 00-0535	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	8,977.25	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*237.64*	
27 15 23 00-0536	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,185.20	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*276.08*	
27 15 23 00-0537	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,357.10	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*264.74*	
27 15 23 00-0538	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	9,571.54	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*302.68*	
27 15 23 00-0539	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,134.35	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*307.42*	
27 15 23 00-0540	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,738.18	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*366.83*	
27 15 23 00-0541	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles	10,882.94	2,820.85
		For Corrugated Coated Steel Tape Armored Cable, Add	*393.89*	

27 15 23 00-0542 Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit *(27 15 23 00-0338)*

Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0543		**Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0542)*		
27 15 23 00-0544	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	3,543.03	612.28
27 15 23 00-0545	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,514.73	612.28
27 15 23 00-0546	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	6,679.33	612.28
27 15 23 00-0547		**Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit** *(27 15 23 00-0542)*		
27 15 23 00-0548	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	4,782.38	612.28
27 15 23 00-0549	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	5,334.58	612.28
27 15 23 00-0550	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit	7,750.06	612.28
27 15 23 00-0551		**Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 15 23 00-0338)* Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552		**Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 15 23 00-0551)*		
27 15 23 00-0553	MLF	12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	3,440.98	561.25
27 15 23 00-0554	MLF	24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,412.68	561.25
27 15 23 00-0555	MLF	48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	6,577.28	561.25
27 15 23 00-0556		**Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench** *(27 15 23 00-0551)*		
27 15 23 00-0557	MLF	12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	4,680.33	561.25
27 15 23 00-0558	MLF	24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	5,232.53	561.25
27 15 23 00-0559	MLF	48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench	7,648.01	561.25
27 15 23 00-0560		**Network Communications Cabling And Related Products** *(27 15 23)*		
27 15 23 00-0561	EA	AC Surge Suppression Assembly Note: Liebert AccuVar Transient Voltage Surge Protection (TVSS) device or Atlantic Scientific Zone Defender Pro Model # 16100. Includes testing.	514.42	12.75
27 15 23 00-0562	EA	Single Mode Fiber Optic To Ethernet Media Converter Note: Transition Networks part no. J/E-PSW-FX-02(SM). Includes testing.	871.53	15.31
27 15 23 00-0563	EA	6' Long Single Mode Patch Cord With SC duplex Connectors At Both Ends Note: Includes testing.	45.68	1.64
27 15 23 00-0564	EA	KVM (Keyboard, Video, Mouse) Cable Note: Raritan CCP40. Includes testing.	104.89	2.05
27 15 23 00-0565	EA	6' Long USB (Universal Serial Bus) Cable Note: Includes testing.	14.91	1.64
27 15 23 00-0566	EA	10' Long USB (Universal Serial Bus) Cable Note: Includes testing.	17.71	2.05
27 15 23 00-0567	EA	6' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	19.60	1.64
27 15 23 00-0568	EA	10' Long Category 6 Patch Cables With A RJ-45 Connectors At Each End Note: Includes testing.	22.41	2.05
27 15 23 00-0569	EA	6' Long Single Mode Patch Cord With SC Connectors At Both Ends Note: Includes testing.	33.36	1.64
27 15 23 00-0570	EA	20' Long Single Mode Patch Cord With SC Duplex Connectors At Both Ends Note: Includes testing.	73.08	2.05
27 15 23 00-0571	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	58.34	1.64
27 15 23 00-0572	EA	20' Long Single Mode Patch Cord With SC Duplex Connector At One End And SC Connectors At The Other Note: Includes testing.	73.08	2.05
27 15 23 00-0573	EA	6' Long Single Mode Patch Cord With SC Duplex Connector At One End And FC Connectors At The Other Note: Includes testing.	110.25	1.64
27 15 23 00-0574	EA	6' Long Single Mode Patch Cord With SC Connectors At One End And FC Connectors At The Other Note: Includes testing.	110.25	1.64
27 15 23 00-0575	LF	6 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 006ESF-T41O1D20. Includes testing.	1.00	
27 15 23 00-0576	LF	12 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 012ESF-T41O1D20. Includes testing.	6.38	
27 15 23 00-0577	LF	24 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 024EW4-T4101D20. Includes testing.	7.78	
27 15 23 00-0578	LF	72 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 072EW4-T4101D20. Includes testing.	12.97	
27 15 23 00-0579	LF	144 Strand Dielectric Indoor / Outdoor Fiber Optic Cable Note: Corning part no. 144EW4-T4101D20. Includes testing.	20.17	
27 15 23 00-0580	LF	36 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 036E81-61131-24. Includes testing.	13.68	
27 15 23 00-0581	LF	72 Strand Dielectric Indoor Plenum Rated Fiber Optic Cable Note: Corning part no. 072E81-T3131-24. Includes testing.	21.77	
27 15 23 00-0582	EA	Aerial Storage Unit Note: Alcola part no. FSU-16. Includes testing.	133.10	10.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0583	EA	Spider Fan-Out Kits With SC Connectors Note: Corning part no. SFK–P–12–900–S.	163.97	10.21
27 15 23 00-0584	LF	Ultraviolet Resistant Rated Category 6 Cable Note: Includes RJ 45 connectors at both ends. CommScope part no. 6NF4+. Includes testing.	1.37	0.19
27 15 23 00-0585	LF	RG11 Coaxial Cable NEC CMR Note: Corning part no. SFK–P–12–900–S.	4.42	1.91
27 15 23 00-0586	LF	Outdoor Rated UL Type CL2 Note: Aluminum foil-polyester tape 100% shield coverage twisted (6 twists per foot) single pair 19 X 27 stranding tin copper coated #14 AWG conductor Audio, Control, and Instrumentation Cable with polyethylene insulation and PVC jacket. Belden 8720. Includes testing.	4.64	
27 15 23 00-0587	LF	Indoor Plenum Rated UL Type CMP Note: 100% aluminum foil shield coverage twisted (6 twists per foot) 4 pairs 7X32 stranding tin copper coated #24 AWG conductor Computer Cable with Fluorinated Ethylene Propylene insulation and plenum rated jacket. Belden 82504. Includes testing.	6.95	1.91

27 15 33 Communications Coaxial Horizontal Cabling *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 33 00-0001 Indoor Coaxial Cable *(27 15 33)*

27 15 33 00-0002 Coaxial, Indoor Telecommunications Cable *(27 15 33 00-0001)*

27 15 33 00-0003 Coaxial, Indoor Telecommunications Cable, Installed In Conduit *(27 15 33 00-0002)*

27 15 33 00-0004	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108)	1,715.03	428.60
27 15 33 00-0005	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108)	4,569.35	428.60
27 15 33 00-0006	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114)	1,298.25	489.83
27 15 33 00-0007	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120)	5,795.78	489.83

27 15 33 00-0008 Coaxial, Indoor Telecommunications Cable, Installed Exposed *(27 15 33 00-0002)*

27 15 33 00-0009	MLF	RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)	2,429.35	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 33 00-0010	MLF	RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)	5,283.67	857.19
		For Work In Restricted Working Space, Add	*428.60*	
27 15 33 00-0011	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)	2,114.63	979.64
		For Work In Restricted Working Space, Add	*489.83*	
27 15 33 00-0012	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)	6,612.16	979.64
		For Work In Restricted Working Space, Add	*489.83*	

27 15 33 00-0013 Coaxial Distribution Cable *(27 15 33 00-0001)*

Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.

27 15 33 00-0014	MLF	RG-6/U Coaxial Distribution Cable, Installed In Conduit	3,054.76	298.31
27 15 33 00-0015	MLF	RG-6A/U Coaxial Distribution Cable, Installed In Conduit	12,656.34	298.31
27 15 33 00-0016	MLF	RG-8/U Coaxial Distribution Cable, Installed In Conduit	6,402.69	315.08
27 15 33 00-0017	MLF	RG-8A/U Coaxial Distribution Cable, Installed In Conduit	8,206.28	315.08
27 15 33 00-0018	MLF	RG-11/U Coaxial Distribution Cable, Installed In Conduit	7,142.80	372.88
27 15 33 00-0019	MLF	RG-11A/U Coaxial Distribution Cable, Installed In Conduit	10,630.80	372.88
27 15 33 00-0020	MLF	RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	23,473.89	522.03
27 15 33 00-0021	MLF	RG-58/U Coaxial Distribution Cable, Installed In Conduit	2,183.87	261.02
27 15 33 00-0022	MLF	RG-58A/U Coaxial Distribution Cable, Installed In Conduit	2,541.26	261.02
27 15 33 00-0023	MLF	RG-58C/U Coaxial Distribution Cable, Installed In Conduit	3,170.83	261.02
27 15 33 00-0024	MLF	RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	7,935.65	522.03
27 15 33 00-0025	MLF	RG-59/U Coaxial Distribution Cable, Installed In Conduit	3,853.58	261.02
27 15 33 00-0026	MLF	RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed	9,808.87	522.03
27 15 33 00-0027	MLF	1/2" Hard Line Coaxial, Installed In Conduit	2,967.44	372.88

27 15 33 00-0028 Outdoor Coaxial Cable *(27 15 33)*

27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core *(27 15 33 00-0028)*

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial	7,463.26	1,395.69
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial	4,492.81	981.70
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial	4,318.90	579.18
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial	1,815.40	579.18
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit	2,629.92	904.98

27 15 43 Communications Faceplates and Connectors *(27 15)*

27 15 43 00-0001 Wall Mounted Telephone Faceplates *(27 15 43)*

Note: Includes standard telephone mounting studs.

27 15 43 00-0002 Plastic Faceplates For Wall Mounted Telephones *(27 15 43 00-0001)*

27 15 43 00-0003	EA	Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones	36.13	12.75

27 15 43 00-0004 Stainless Steel Faceplates For Wall Mounted Telephones *(27 15 43 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0005	EA	Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	33.98	5.10
27 15 43 00-0006	EA	Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	57.62	12.75
27 15 43 00-0007	EA	Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones	66.89	15.31
27 15 43 00-0008	EA	Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones Note: Requires one snap-in modular jack.	32.60	5.10
27 15 43 00-0009	EA	Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	51.75	12.75
27 15 43 00-0010	EA	Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones	61.18	15.31
27 15 43 00-0011		**Plastic Communications Faceplates** *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0012	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID	8.93	2.55
27 15 43 00-0013	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID	8.93	2.55
27 15 43 00-0014	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID	8.93	2.55
27 15 43 00-0015	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID	8.93	2.55
27 15 43 00-0016	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID	8.93	2.55
27 15 43 00-0017	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID	16.41	2.55
27 15 43 00-0018	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID	16.41	2.55
27 15 43 00-0019	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID	16.41	2.55
27 15 43 00-0020	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID	16.41	2.55
27 15 43 00-0021	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID	16.41	2.55
27 15 43 00-0022		**Stainless Steel Communications Faceplates** *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0023		**Stainless Steel Communications Faceplates** *(27 15 43 00-0022)*		
27 15 43 00-0024	EA	One Port, Single Gang, Stainless Steel Communications Faceplate	18.19	2.55
27 15 43 00-0025	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate	18.19	2.55
27 15 43 00-0026	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate	18.19	2.55
27 15 43 00-0027	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate	19.54	2.55
27 15 43 00-0028	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate	19.54	2.55
27 15 43 00-0029	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate	26.85	2.55
27 15 43 00-0030	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate	27.70	2.55
27 15 43 00-0031	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate	32.28	2.55
27 15 43 00-0032	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate	32.28	2.55
27 15 43 00-0033	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate	32.28	2.55
27 15 43 00-0034		**Stainless Steel Communications Faceplates With Station ID** *(27 15 43 00-0022)*		
27 15 43 00-0035	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.68	2.55
27 15 43 00-0036	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.68	2.55
27 15 43 00-0037	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.68	2.55
27 15 43 00-0038	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.68	2.55
27 15 43 00-0039	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID	26.68	2.55
27 15 43 00-0040	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	59.11	2.55
27 15 43 00-0041	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	59.11	2.55
27 15 43 00-0042	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	59.11	2.55
27 15 43 00-0043	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID	59.11	2.55
27 15 43 00-0044	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID	59.11	2.55
27 15 43 00-0045		**Surface Mount Plastic Communication Boxes** *(27 15 43)* Note: Excludes modular jacks. See CSI section 27 15 43 00-0051 for modular jacks.		
27 15 43 00-0046	EA	One Port, Surface Mount Plastic Communication Box With Station ID	30.40	12.78
27 15 43 00-0047	EA	Two Port, Surface Mount Plastic Communication Box With Station ID	31.25	12.78
27 15 43 00-0048	EA	Four Port, Surface Mount Plastic Communication Box With Station ID	37.11	12.78
27 15 43 00-0049	EA	Six Port, Surface Mount Plastic Communication Box With Station ID	44.07	12.78
27 15 43 00-0050	EA	Twelve Port, Surface Mount Plastic Communication Box With Station ID	51.37	12.78
27 15 43 00-0051		**Snap-In Modular Jacks** *(27 15 43)* Note: Includes termination.		
27 15 43 00-0052	EA	Cat 3, Snap-In Modular Jack	30.13	10.23
27 15 43 00-0053	EA	Category 5E, Snap-In Modular Jack	32.00	10.23
27 15 43 00-0054	EA	Category 5E Shielded, Snap-In Modular Jack	37.60	10.23
27 15 43 00-0055	EA	Cat 6, Snap-In Modular Jack	37.60	10.23
27 15 43 00-0056	EA	Cat 6 Shielded, Snap-In Modular Jack	43.88	10.23
27 15 43 00-0057	EA	Cat 6A, Snap-In Modular Jack	44.84	10.23
27 15 43 00-0058	EA	Voice, RJ-11, Snap-In Modular Jack	23.19	5.11
27 15 43 00-0059	EA	SC Type Fiber Optic, Snap-In Modular Jack	34.38	10.23
27 15 43 00-0060	EA	ST Type Fiber Optic, Snap-In Modular Jack	39.13	10.23
27 15 43 00-0061	EA	LC Type Fiber Optic, Snap-In Modular Jack	48.47	10.23
27 15 43 00-0062	EA	Blank Fill In, Snap-In Modular Jack	5.99	2.55
27 15 43 00-0063	EA	Open Cable Pass Through Insert, Snap-In Modular Jack	7.39	2.55
27 15 43 00-0064	EA	Coaxial F-Type Coupler, Snap-In Modular Jack Note: Includes female to female connection.	25.70	7.66
		For Gold Bulkhead, Add	*1.81*	
27 15 43 00-0065	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack Note: Includes female to female connection.	26.04	7.66
27 15 43 00-0066	EA	RCA Solder Coupler, Snap-In Modular Jack	48.88	10.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0067	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack	62.64	10.23
27 15 43 00-0068	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack	31.49	10.23
27 15 43 00-0069	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack	36.52	5.11
27 15 43 00-0070	EA	BNC Connector, Snap-In Modular Jack	37.09	10.23
27 15 43 00-0071	EA	S-Video With 110 Punch Down, Snap-In Modular Jack	42.19	10.23
27 15 43 00-0072	PR	Speaker Connectors, Snap-In Modular Jack Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.	58.22	15.34
27 15 43 00-0073	EA	USB Audio Video Connector, Snap-In Modular Jack	65.62	10.23

27 15 53 Communications Cable Innerduct *(27 15)*

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 53 00-0001 Indoor Innerduct *(27 15 53)*

27 15 53 00-0002 Indoor Innerduct, Installed In Conduit *(27 15 53 00-0001)*

27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*

27 15 53 00-0004	MLF	1" Riser Rated, Indoor Innerduct, Installed In Conduit	4,295.35	1,530.70
27 15 53 00-0005	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit	5,525.86	2,040.93
27 15 53 00-0006	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit	7,438.97	2,551.16
27 15 53 00-0007	MLF	2" Riser Rated, Indoor Innerduct, Installed In Conduit	8,643.22	3,061.39

27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit *(27 15 53 00-0002)*

27 15 53 00-0009	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	6,869.32	1,020.46
27 15 53 00-0010	MLF	1" Plenum Rated, Indoor Innerduct, Installed In Conduit	7,669.69	1,530.70
27 15 53 00-0011	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit	9,631.43	2,040.93
27 15 53 00-0012	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit	12,416.78	2,551.16
27 15 53 00-0013	MLF	2" Plenum Rated, Indoor Innerduct, Installed In Conduit	14,947.20	3,061.39

27 15 53 00-0014 Indoor Innerduct, Installed Exposed *(27 15 53 00-0001)*

27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*

27 15 53 00-0016	MLF	1" Riser Rated, Indoor Innerduct, Installed Exposed	5,315.82	2,040.93
		For Work In Restricted Working Space, Add	*1,224.56*	
27 15 53 00-0017	MLF	1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed	6,546.32	2,551.16
		For Work In Restricted Working Space, Add	*1,530.70*	
27 15 53 00-0018	MLF	1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed	8,459.44	3,061.39
		For Work In Restricted Working Space, Add	*1,836.84*	
27 15 53 00-0019	MLF	2" Riser Rated, Indoor Innerduct, Installed Exposed	9,663.67	3,571.63
		For Work In Restricted Working Space, Add	*2,142.97*	

27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed *(27 15 53 00-0014)*

27 15 53 00-0021	MLF	3/4" Plenum Rated, Indoor Innerduct, Installed Exposed	7,889.79	1,530.70
27 15 53 00-0022	MLF	1" Plenum Rated, Indoor Innerduct, Installed Exposed	8,690.16	2,040.93
		For Work In Restricted Working Space, Add	*1,224.56*	
27 15 53 00-0023	MLF	1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed	10,651.89	2,551.16
		For Work In Restricted Working Space, Add	*1,530.70*	
27 15 53 00-0024	MLF	1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed	13,437.25	3,061.39
		For Work In Restricted Working Space, Add	*1,836.84*	
27 15 53 00-0025	MLF	2" Plenum Rated, Indoor Innerduct, Installed Exposed	15,967.65	3,571.63
		For Work In Restricted Working Space, Add	*2,142.97*	

27 15 53 00-0026 Outdoor Innerduct *(27 15 53)*

27 15 53 00-0027 Outdoor Innerduct, Installed In Conduit *(27 15 53 00-0026)*

27 15 53 00-0028	MLF	1" Outdoor Innerduct, Installed In Conduit	3,980.30	1,530.70
27 15 53 00-0029	MLF	1-1/4" Outdoor Innerduct, Installed In Conduit	5,061.27	2,040.93
27 15 53 00-0030	MLF	1-1/2" Outdoor Innerduct, Installed In Conduit	6,499.58	2,551.16
27 15 53 00-0031	MLF	2" Outdoor Innerduct, Installed In Conduit	7,754.24	3,061.39

27 15 53 00-0032 Outdoor Innerduct, Buried In Trench *(27 15 53 00-0026)*

27 15 53 00-0033	MLF	1" Outdoor Innerduct, Buried In Trench	2,959.84	
27 15 53 00-0034	MLF	1-1/4" Outdoor Innerduct, Buried In Trench	4,040.80	
27 15 53 00-0035	MLF	1-1/2" Outdoor Innerduct, Buried In Trench	5,479.12	
27 15 53 00-0036	MLF	2" Outdoor Innerduct, Buried In Trench	6,733.77	

27 16 Communications Connecting Cords, Devices, and Adapters *(27 10)*

27 16 16 Communications Media Converters, Adapters, and Transceivers *(27 16)*

27 16 16 00-0001 Fiber Optic Receivers *(27 16 16)*

27 16 16 00-0002	EA	Fiber Optic Receiver, Range 6.2 Miles	962.88	51.02
27 16 16 00-0003	EA	Fiber Optic MM Dual Video Receiver, Manual Gain Note: With video presence Ind, RM.	1,115.83	100.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 16 00-0004		Fiber Optic Transmitters *(27 16 16)*		
27 16 16 00-0005	EA	Fiber Optic Transmitter, Range 6.2 Miles	962.87	51.02
27 16 16 00-0006	EA	Fiber Optic MM Dual Video Transmitter Video Presence Indicator	1,115.83	100.50
27 16 16 00-0007		Fiber Optic Repeaters *(27 16 16)*		
		Note: Consist of transmitter and receiver, back-to-back. Excludes power source.		
27 16 16 00-0008	EA	Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power	1,064.92	102.05
27 16 16 00-0009	EA	Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power	1,649.68	204.10
27 16 16 00-0010		Fiber Optic Transceivers *(27 16 16)*		
27 16 16 00-0011	EA	Fiber Optic Transceivers, 3,000 Miles Range	1,065.75	204.10
27 16 16 00-0012	EA	Fiber Optic Transceivers, Digital 2,000 Miles Range	1,065.75	204.10
27 16 16 00-0013	EA	Fiber Optic Ethernet Transceiver	1,408.87	306.14
27 16 16 00-0014	EA	Transceiver (Low Cost Bi- Directional)	531.19	76.53
27 16 19		**Communications Patch Cords, Station Cords, and Cross Connect Wire** *(27 16)*		
27 16 19 00-0001		Cross Connect Wire *(27 16 19)*		
		Note: Up to 20' length.		
27 16 19 00-0002	EA	2-Pair Cross Connect Wire	16.54	
27 16 19 00-0003	EA	3-Pair Cross Connect Wire	22.16	
27 16 19 00-0004	EA	4-Pair Cross Connect Wire	27.72	
27 16 19 00-0005		Fiber Optic Patch Cords *(27 16 19)*		
27 16 19 00-0006		Simplex Fiber Optic Patch Cables *(27 16 19 00-0005)*		
27 16 19 00-0007		Singlemode, Simplex Fiber Optic Patch Cables *(27 16 19 00-0006)*		
27 16 19 00-0008	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	55.24	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0009	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	44.36	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0010	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	58.50	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0011	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	46.85	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0012	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	54.79	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0013	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable	53.91	
		For Each Additional Meter In Length, Add	*0.26*	
27 16 19 00-0014		Duplex Fiber Optic Patch Cables *(27 16 19 00-0005)*		
27 16 19 00-0015		Singlemode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*		
27 16 19 00-0016	EA	ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	98.96	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0017	EA	ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	95.90	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0018	EA	ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	106.79	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0019	EA	SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	82.21	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0020	EA	SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	98.06	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0021	EA	LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable	96.32	
		For Each Additional Meter In Length, Add	*0.51*	
27 16 19 00-0022		Multimode, Duplex Fiber Optic Patch Cables *(27 16 19 00-0014)*		
27 16 19 00-0023	EA	ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	73.82	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0024	EA	ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	80.93	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0025	EA	ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	81.66	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0026	EA	ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	83.94	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0027	EA	SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	74.12	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0028	EA	SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	84.34	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0029	EA	SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	99.76	
		For Each Additional Meter In Length, Add	*1.48*	
27 16 19 00-0030	EA	MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	67.57	
		For Each Additional Meter In Length, Add	*1.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 16 19 00-0031	EA	LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable	83.01	
		For Each Additional Meter In Length, Add	*1.48*	

27 16 19 00-0032 Fiber Optic Cable Pig Tail *(27 16 19)*

27 16 19 00-0033	EA	Simplex Fiber Optic Cable Pig Tail	75.95	35.71
27 16 19 00-0034	EA	Duplex Fiber Optic Cable Pig Tail	101.75	35.71

27 16 19 00-0035 Ethernet Patch Cords *(27 16 19)*

27 16 19 00-0036	EA	3' Category 5E Patch Cables With Boots	14.85	
27 16 19 00-0037	EA	5' Category 5E Patch Cables With Boots	16.29	
27 16 19 00-0038	EA	7' Category 5E Patch Cables With Boots	17.75	
27 16 19 00-0039	EA	10' Category 5E Patch Cables With Boots	25.79	
27 16 19 00-0040	EA	15' Category 5E Patch Cables With Boots	32.28	
27 16 19 00-0041	EA	25' Category 5E Patch Cables With Boots	43.28	
27 16 19 00-0042	EA	3' Category 6 Patch Cables With Boots	16.57	
27 16 19 00-0043	EA	5' Category 6 Patch Cables With Boots	20.23	
27 16 19 00-0044	EA	7' Category 6 Patch Cables With Boots	20.31	
27 16 19 00-0045	EA	10' Category 6 Patch Cables With Boots	24.04	
27 16 19 00-0046	EA	15' Category 6 Patch Cables With Boots	31.73	
27 16 19 00-0047	EA	25' Category 6 Patch Cables With Boots	40.31	
27 16 19 00-0048	EA	50' Category 6 Patch Cables With Boots	64.42	
27 16 19 00-0049	EA	100' Category 6 Patch Cables With Boots	112.83	
27 16 19 00-0050	EA	3' Category 6A Patch Cables With Boots	19.48	
27 16 19 00-0051	EA	5' Category 6A Patch Cables With Boots	20.67	
27 16 19 00-0052	EA	7' Category 6A Patch Cables With Boots	21.56	
27 16 19 00-0053	EA	10' Category 6A Patch Cables With Boots	25.44	
27 16 19 00-0054	EA	15' Category 6A Patch Cables With Boots	31.26	
27 16 19 00-0055	EA	25' Category 6A Patch Cables With Boots	38.91	
27 16 19 00-0056	EA	50' Category 6A Patch Cables With Boots	56.09	
27 16 19 00-0057	EA	100' Category 6A Patch Cables With Boots	98.17	
27 16 19 00-0058	EA	3' Category 5E Patch Cables With Plastic Arch	14.85	
27 16 19 00-0059	EA	5' Category 5E Patch Cables With Plastic Arch	16.29	
27 16 19 00-0060	EA	7' Category 5E Patch Cables With Plastic Arch	17.75	
27 16 19 00-0061	EA	10' Category 5E Patch Cables With Plastic Arch	25.79	
27 16 19 00-0062	EA	15' Category 5E Patch Cables With Plastic Arch	32.28	
27 16 19 00-0063	EA	25' Category 5E Patch Cables With Plastic Arch	43.28	
27 16 19 00-0064	EA	3' Category 6 Patch Cables With Plastic Arch	16.57	
27 16 19 00-0065	EA	5' Category 6 Patch Cables With Plastic Arch	20.23	
27 16 19 00-0066	EA	7' Category 6 Patch Cables With Plastic Arch	20.31	
27 16 19 00-0067	EA	10' Category 6 Patch Cables With Plastic Arch	24.04	
27 16 19 00-0068	EA	15' Category 6 Patch Cables With Plastic Arch	31.73	
27 16 19 00-0069	EA	25' Category 6 Patch Cables With Plastic Arch	40.31	
27 16 19 00-0070	EA	3' Category 6A Patch Cables With Plastic Arch	31.48	
27 16 19 00-0071	EA	5' Category 6A Patch Cables With Plastic Arch	33.66	
27 16 19 00-0072	EA	7' Category 6A Patch Cables With Plastic Arch	35.29	
27 16 19 00-0073	EA	10' Category 6A Patch Cables With Plastic Arch	40.28	
27 16 19 00-0074	EA	15' Category 6A Patch Cables With Plastic Arch	48.81	
27 16 19 00-0075	EA	25' Category 6A Patch Cables With Plastic Arch	62.85	

27 20 Data Communications *(27)*

27 21 Data Communications Network Equipment *(27 20)*

Note: Includes testing of new devices and certification.

27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems *(27 21)*

27 21 16 00-0001 Fiber Optic Modems *(27 21 16)*

27 21 16 00-0002	EA	Fiber Optic Modems, Range 6.2 Miles	1,842.89	204.10
27 21 16 00-0003	EA	Fiber Optic Modem, Range 3.1 Miles, 12 Channel	3,636.27	204.10

27 21 16 00-0004 Ethernet Hubs and Switches *(27 21 16)*

27 21 16 00-0005	EA	16 Port Managed Hub With Fiberport And Standard Management	4,164.48	153.37
27 21 16 00-0006	EA	16 Port Unmanaged Hub	598.14	102.25
27 21 16 00-0007	EA	12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E)	5,794.42	102.25
27 21 16 00-0008	EA	Power Supply (Cisco PWR-IE170W-PC-AC)	1,704.52	51.12

27 21 16 00-0009 Network Equipment *(27 21 16)*

27 21 16 00-0010 Communications Entrance Protection *(27 21 16 00-0009)*

27 21 16 00-0011	EA	100-Pair, 5 Pin Configuration, 110 Termination, Building Entrance Terminal With Cover (Porta 24100-110-M110C) Note: Excludes terminations.	1,169.24	76.68
27 21 16 00-0012	EA	Solid State Protector Module With 4 OHM Heat Coils (CommScope 4C1S)	14.05	1.02

27 21 16 00-0013 Communications Cabinets, Racks, Frames And Enclosures *(27 21 16 00-0009)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0014	EA	19" Width x 36" Height x 24" Depth, Wall Mounted Telecommunications Enclosure (Chatsworth 11840-736)	1,429.36	76.68
		For Fan Kit (Chatsworth 12804-701), Add	*204.97*	
27 21 16 00-0015	EA	10 Outlet, 125 Volt, 20 Amperes, Telecommunications Cabinet Power Strip (Chatsworth 13239-757)	1,342.30	5.11
27 21 16 00-0016		Communications Termination Blocks And Patch Panels *(27 21 16 00-0009)*		
27 21 16 00-0017		Communications Termination Blocks *(27 21 16 00-0016)*		
27 21 16 00-0018	EA	4-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058810)	369.71	15.31
27 21 16 00-0019	EA	5-Pair, 300-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058802)	343.45	15.31
27 21 16 00-0020	EA	4-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058869)	835.67	15.31
27 21 16 00-0021	EA	5-Pair, 900-Pair Count, 110 Patch Panel System Terminal Block (CommScope 107058851)	776.61	15.31
27 21 16 00-0022	EA	110 Connector System Mounting Brackets (CommScope 107535593)	109.80	15.31
27 21 16 00-0023	EA	110 Connector System Mounting Brackets (CommScope 107535585)	119.34	15.31
27 21 16 00-0024	EA	110 Connector System Mounting Brackets (CommScope 107098816)	137.20	15.31
27 21 16 00-0025		Communications Copper Patch Panels *(27 21 16 00-0016)* Note: Excludes cabinet and terminations.		
27 21 16 00-0026	EA	24 Port, Category 5E Patch Panel (CommScope 108208919)	354.80	33.23
27 21 16 00-0027	EA	48 Port, Category 5E Patch Panel (CommScope 108208935)	658.46	40.90
27 21 16 00-0028	EA	24 Port, Category 6 Patch Panel (CommScope 760062372)	534.68	33.23
27 21 16 00-0029	EA	48 Port, Category 6 Patch Panel (CommScope 760062380)	1,010.74	40.90
27 21 16 00-0030		Communications Optical Fiber Patch Panels *(27 21 16 00-0016)*		
27 21 16 00-0031		Closet Connector Housings *(27 21 16 00-0030)*		
27 21 16 00-0032	EA	48 Fiber Total Capacity, Closet Connector Housing (Corning CCH-01U) Note: Accepts up to 2 closet connector housing panels. Excludes panels.	443.71	20.45
27 21 16 00-0033	EA	96 Fiber Total Capacity, Closet Connector Housing (Corning CCH-02U) Note: Accepts up to 4 closet connector housing panels. Excludes panels.	519.89	20.45
27 21 16 00-0034	EA	288 Fiber Total Capacity, Closet Connector Housing (Corning CCH-04U) Note: Accepts up to 12 closet connector housing panels. Excludes panels.	651.25	20.45
27 21 16 00-0035	EA	SC Duplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-91)	94.53	10.23
27 21 16 00-0036	EA	SC Duplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-59)	127.67	10.23
27 21 16 00-0037	EA	SC Simplex Multimode, 62.5 Micron, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-56)	106.23	10.23
27 21 16 00-0038	EA	SC Simplex Singlemode, 12 Fiber, Closet Connector Housing Panel (Corning CCH-CP-3C)	138.38	10.23
27 21 16 00-0039		Communications Cable Management *(27 21 16 00-0009)*		
27 21 16 00-0040		Horizontal Communication Cable Management *(27 21 16 00-0039)*		
27 21 16 00-0041	EA	1.7" Height, 19" Width, 3.7" Depth, 1 RU, Front Only, Horizontal Cable Manager (Panduit WMPFSE)	155.39	20.45
27 21 16 00-0042	EA	3-1/2" Height, 19" Width, 3.7" Depth, Horizontal Cable Manager (Panduit WMPF1E)	161.32	20.45
27 21 16 00-0043		Vertical Communication Cable Management *(27 21 16 00-0039)*		
27 21 16 00-0044	EA	6" Width x 84" Height, Double-Sided Vertical Cabling Section (Chatsworth 11729-703)	1,002.83	51.12
27 21 16 00-0045	EA	19" Width x 84" Height, Universal Rack (Chatsworth 48353-703)	1,041.20	51.12
27 21 16 00-0046	EA	23" Width x 84" Height, Universal Rack (Chatsworth 48383-703)	1,127.61	51.12
27 21 16 00-0047		Communications Patch Cords, Station Cords, And Cross Connect Wire *(27 21 16 00-0009)*		
27 21 16 00-0048		Premise Cross-Connect Wire *(27 21 16 00-0047)*		
27 21 16 00-0049	LF	1-Pair, 22 AWG Premise Cross-Connect Wire (General Cable 7041973)	1.05	0.51
27 21 16 00-0050		Pathways For Communications Systems *(27 21 16 00-0009)*		
27 21 16 00-0051		Conduits And Back Boxes For Communication Systems *(27 21 16 00-0050)*		
27 21 16 00-0052		Flexible Conduit For Communication Systems *(27 21 16 00-0051)*		
27 21 16 00-0053	CLF	1" Diameter, Riser Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon DF4X1C)	496.10	183.68
27 21 16 00-0054	CLF	1" Diameter, Plenum Rated, Non-Metallic Flexible Conduit With Pull Tape (Carlon CF4X1C)	806.41	183.68
27 21 16 00-0055		Tube Cables For Communication Systems *(27 21 16 00-0051)*		
27 21 16 00-0056		Outdoor/All-Dielectric Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0057	CLF	Two Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC02TOX)	345.30	122.45
27 21 16 00-0058	CLF	Seven Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC07TOX)	511.73	153.07
27 21 16 00-0059	CLF	Nineteen Tube, Outdoor/All-Dielectric Tube Cable (Sumitomo TC19TOX)	842.44	183.68
27 21 16 00-0060		Indoor/Riser Rated Tube Cables *(27 21 16 00-0055)*		
27 21 16 00-0061	CLF	Two Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC02TRX)	394.18	122.45
27 21 16 00-0062	CLF	Four Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC04TRX)	480.78	137.76
27 21 16 00-0063	CLF	Seven Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC07TRX)	545.67	153.07
27 21 16 00-0064	CLF	Nineteen Tube, Indoor/Riser Rated Tube Cable (Sumitomo TC19TRX)	995.87	183.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0065		**Indoor/Plenum Rated Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0066	CLF	Single Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC01TPX)	292.35	122.45
27 21 16 00-0067	CLF	Two Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC02TP2)	417.26	122.45
27 21 16 00-0068	CLF	Four Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC04TP2)	638.28	137.76
27 21 16 00-0069	CLF	Seven Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC07TP2)	924.48	153.07
27 21 16 00-0070	CLF	Nineteen Tube, Indoor/Plenum Rated Tube Cable (Sumitomo TC19TP2)	2,849.17	183.68
27 21 16 00-0071		**Unjacketed Single Tube Cables** *(27 21 16 00-0055)*		
27 21 16 00-0072	CLF	Single Tube, Unjacketed Single Tube Cable (Sumitomo TC01TGX)	254.34	122.45
27 21 16 00-0073		**Multimode Fiber Bundles** *(27 21 16 00-0055)*		
		Note: Includes optical fiber cables.		
27 21 16 00-0074	CLF	2-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FR02M6)	107.39	36.74
27 21 16 00-0075	CLF	4-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB04M6)	160.34	36.74
27 21 16 00-0076	CLF	6-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB06M6)	217.37	36.74
27 21 16 00-0077	CLF	12-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB12M6)	391.16	36.74
27 21 16 00-0078	CLF	18-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB18M6)	565.64	42.86
27 21 16 00-0079	CLF	24-Fiber, 62.5 Micron, Multimode Fiber Bundle (Sumitomo FB24M6)	739.43	42.86
27 21 16 00-0080		**Singlemode Fiber Bundles** *(27 21 16 00-0055)*		
		Note: Includes optical fiber cables.		
27 21 16 00-0081	CLF	2-Fiber, Singlemode Fiber Bundle (Sumitomo FR02SX)	96.53	36.74
27 21 16 00-0082	CLF	4-Fiber, Singlemode Fiber Bundle (Sumitomo FB04SX)	119.61	36.74
27 21 16 00-0083	CLF	6-Fiber, Singlemode Fiber Bundle (Sumitomo FB06SX)	138.62	36.74
27 21 16 00-0084	CLF	12-Fiber, Singlemode Fiber Bundle (Sumitomo FB12SX)	175.28	36.74
27 21 16 00-0085	CLF	18-Fiber, Singlemode Fiber Bundle (Sumitomo FB18SX)	266.94	42.86
27 21 16 00-0086	CLF	24-Fiber, Singlemode Fiber Bundle (Sumitomo FB24SX)	349.76	42.86
27 21 16 00-0087		**Tube Distribution Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0088	EA	Modular Tube Distribution Cabinet (Sumitomo DE06MDU) Note: Up to six 7-tube cables or two 19-tube cables.	207.84	51.12
27 21 16 00-0089		**Modular Fiber Termination Cabinets** *(27 21 16 00-0055)*		
27 21 16 00-0090	EA	24-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT24WFM)	261.08	51.12
27 21 16 00-0091	EA	48-Fiber Capacity, Wall Mount, Modular Fiber Termination Cabinet (Sumitomo FT48WFM)	277.91	51.12
27 21 16 00-0092		**Tube Distribution Accessories** *(27 21 16 00-0055)*		
27 21 16 00-0093	EA	Plastic Push/Pull Quick Release Pneumatic Cap For 8 mm Tube (Sumitomo DE08MA)	12.12	5.11
27 21 16 00-0094	EA	Plastic Push/Pull Quick Release Pneumatic Coupling For 8 mm Tube (Sumitomo DE08MC2)	13.30	5.11
27 21 16 00-0095	EA	Brass Push/Pull Quick Release Pneumatic Coupling For 8 mm Bulkhead Tube (Sumitomo DE08MB)	16.34	5.11
27 21 16 00-0096		**Communications Optical Fiber Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0097		**Communications Optical Fiber Cable Splicing And Terminations** *(27 21 16 00-0096)*		
27 21 16 00-0098		**Field Installed Fiber Connectors** *(27 21 16 00-0097)*		
27 21 16 00-0099	EA	SC Type, Singlemode, Field Installed Fiber Connector (Corning 95-200-42)	34.46	7.66
27 21 16 00-0100	EA	SC Type, 62.5 Micron Multimode, Field Installed Fiber Connector (Corning 95-000-41)	30.56	7.66
27 21 16 00-0101		**Buffer Tube Fan-Out Kits** *(27 21 16 00-0097)*		
27 21 16 00-0102		**Buffer Tube Breakout Kits (Sumitomo)** *(27 21 16 00-0101)*		
		Note: Includes 900 micron tubing.		
27 21 16 00-0103	EA	2-Fiber Breakout Kit (Sumitomo FTFLD02)	220.39	102.05
27 21 16 00-0104	EA	4-Fiber Breakout Kit (Sumitomo FTFLD04)	224.47	102.05
27 21 16 00-0105	EA	6-Fiber Breakout Kit (Sumitomo FTFLD06)	228.06	102.05
27 21 16 00-0106	EA	12-Fiber Breakout Kit (Sumitomo FTFLD12)	239.24	102.05
27 21 16 00-0107	EA	18-Fiber Breakout Kit (Sumitomo FTFLD18)	254.53	102.05
27 21 16 00-0108	EA	24-Fiber Breakout Kit (Sumitomo FTFLD24)	265.88	102.05
27 21 16 00-0109		**Buffer Tube Fan-Out Kits (Corning)** *(27 21 16 00-0101)*		
27 21 16 00-0110	EA	12 Fiber, 25" Tube Length, Indoor Buffer Tube Fan-Out Kit (Corning Fan-BT25-12)	222.28	102.05
27 21 16 00-0111	EA	12 Fiber, 25" Tube Length, Outdoor Buffer Tube Fan-Out Kit (Corning Fan-OD25-12)	262.62	102.05
27 21 16 00-0112		**Communications Copper Cabling** *(27 21 16 00-0009)*		
27 21 16 00-0113		**Copper Communications Cable Splicing And Terminations** *(27 21 16 00-0112)*		
27 21 16 00-0114		**Copper Communications Cable Splice Cases** *(27 21 16 00-0113)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 16 00-0115	EA	6.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000626)	1,165.24	204.10
27 21 16 00-0116	EA	9.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8000630)	1,381.61	204.10
27 21 16 00-0117	EA	12.5" x 28.4" Copper Communications Cable Splice Case (Preformed Line Products 8006219)	2,100.60	204.10
27 21 16 00-0118		Modular Splice Connectors *(27 21 16 00-0113)*		
27 21 16 00-0119	EA	25-Pair, Straight Body Only, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-SC1-25)	112.55	51.02
27 21 16 00-0120	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Dry Modular Splice Connector (3M 710-SD1-25)	110.21	51.02
27 21 16 00-0121	EA	25-Pair, Straight/Half Tap Body, 26-24 Gauge Cable, Filled Modular Splice Connector (3M 710-TC1-25)	112.60	51.02
27 21 16 00-0122	EA	25-Pair, Bridge Body, 26-22 Gauge Cable, Filled Modular Splice Connector (3M 710-BC1-25)	112.27	51.02
27 21 26		**Data Communications Network Management** *(27 21)*		
27 21 26 00-0001		Data Communications Network Management *(27 21 26)*		
27 21 26 00-0002	EA	3 Port, Terminal/Serial Device Server (Comtrol 99560-9)	701.71	25.51
27 21 26 00-0003	EA	2 Port, Terminal/Serial Device Server (Comtrol 99550-0)	535.95	25.51
27 21 26 00-0004	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9)	754.94	25.51
27 21 26 00-0005	EA	4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0)	1,194.07	25.51
27 21 26 00-0006	EA	24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020)	109.08	
27 21 26 00-0007	EA	Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2)	524.81	15.31
27 21 26 00-0008	EA	Sennetech Code Translator (Pelco SCT_100_AD232)	860.30	25.51
27 21 26 00-0009	EA	VPN Router (Cisco 819HG)	4,842.43	327.18
27 21 26 00-0010	EA	Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC)	3,339.07	327.18
27 21 26 00-0011	EA	WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+)	19,060.85	122.45
27 21 26 00-0012	EA	SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV)	619.48	
27 21 26 00-0013	EA	Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8)	13,161.06	122.45
27 21 26 00-0014	EA	Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2)	28,930.78	122.45
27 21 26 00-0015	EA	Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E)	684.15	10.23
27 21 26 00-0016	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV)	5,030.81	12.75
27 21 26 00-0017	EA	Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2)	4,361.83	12.75
27 21 26 00-0018	EA	13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US)	75.44	5.11
27 21 26 00-0019	EA	1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=)	224.31	51.02
27 21 26 00-0020	EA	Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS)	3,581.44	122.45
27 21 26 00-0021	EA	SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON-SNT-WSC384TS)	815.08	
27 21 26 00-0022	EA	North America AC Type A Power Cable (Cisco CAB-TA-NA)	23.37	5.11
27 21 26 00-0023	EA	350 Watt AC Power Supply (Cisco PWR-C1-350WAC)	333.62	12.75
27 21 26 00-0024	EA	Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G)	840.66	12.78
27 21 26 00-0025	EA	1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM)	121.47	5.11
27 21 26 00-0026	EA	Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC)	4,329.45	122.45
27 21 26 00-0027	EA	SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON-SNT-301016S8)	818.34	
27 21 26 00-0028	EA	IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA)	718.35	12.75
27 21 26 00-0029	EA	IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IAR)	729.76	12.75
27 21 26 00-0030	EA	4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC)	1,460.88	122.45
27 21 26 00-0031	EA	Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC)	392.36	12.78
27 21 26 00-0032	EA	4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM)	1,867.69	12.78
27 21 26 00-0033	EA	Router (CISCO IR829)	1,650.94	51.12
27 21 29		**Data Communications Switches and Hubs** *(27 21)*		
27 21 29 00-0001		Data Communications Multimedia Modular Patch Panels *(27 21 29)* Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0051 for modular jacks.		
27 21 29 00-0002	EA	12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded	122.46	5.10
27 21 29 00-0003	EA	16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	135.49	5.10
27 21 29 00-0004	EA	24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	160.69	5.10
27 21 29 00-0005	EA	36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	168.43	5.10
27 21 29 00-0006	EA	48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded	183.72	6.38
27 21 29 00-0007	EA	24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	174.85	5.10
27 21 29 00-0008	EA	48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded	219.44	6.38
27 21 29 00-0009	EA	Rack Mount Rear Cable Management Bar	66.06	6.38
27 21 33		**Data Communications Wireless Access Points** *(27 21)*		
27 21 33 00-0001		Data Communications Wireless Access Points *(27 21 33)*		
27 21 33 00-0002	EA	Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU)	5,068.53	153.07
27 21 33 00-0003	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1)	12,286.40	153.07
27 21 33 00-0004	EA	Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250-BS9)	12,286.40	153.07
27 21 33 00-0005	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA)	1,935.94	153.07
27 21 33 00-0006	EA	Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR)	2,283.28	175.16
27 21 33 00-0007	EA	Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP-8200-BSU-G)	6,535.75	175.16
27 21 33 00-0008	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G)	9,972.86	175.16
27 21 33 00-0009	EA	Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G)	9,972.86	175.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 33 00-0010	EA	50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-50)	2,035.31	58.39
27 21 33 00-0011	EA	100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100)	2,064.17	58.39
27 21 33 00-0012	EA	Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G)	181.10	29.19
27 21 33 00-0013	EA	FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG-ARM)	1,793.22	
27 21 33 00-0014	EA	1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR)	613.93	51.02
27 21 33 00-0015	EA	Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH)	504.30	51.02
27 21 33 00-0016	EA	Cell LTE MIMO Antenna (Sierra Wireless 1810075)	83.53	20.41
27 21 33 00-0017	EA	AirLink GX400 Power Adapter (Sierra Wireless 2700384)	80.30	
27 21 33 00-0018	EA	AirLink GX400 Power Cable (Sierra Wireless 2000380)	45.76	
27 21 33 00-0019	EA	Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL)	313.87	51.02
27 21 33 00-0020	EA	Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL)	316.00	51.02
27 21 33 00-0021	EA	2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D)	441.00	51.12
27 21 33 00-0022	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS)	1,141.61	76.68
27 21 33 00-0023	EA	Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged)	1,471.57	76.68
27 21 33 00-0024	EA	Magnetic Mount Cellular Antenna (Wilson Electronics 301125)	76.83	15.31
27 21 33 00-0025	EA	Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K)	293.59	58.39
27 21 33 00-0026	EA	Andrew® Omni Antenna, 890–960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38–51 mm (1-1/2 to 2 in) OD Pipe (Commscope DB583-Y)	1,024.54	58.39
27 21 33 00-0027	EA	Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC)	5,147.72	51.12
27 21 33 00-0028	EA	Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150)	2,601.26	51.02

27 22 Data Communications Hardware *(27 20)*

27 22 19 Data Communications Servers *(27 22)*

27 22 19 00-0001 Network Communications Frames And Enclosures *(27 22 19)*

27 22 19 00-0002	EA	Communications Equipment Enclosure Note: APX Enclosures, Inc. part number TCDD727236 or an approved equivalent. UL listed, 72" H x 72" W x 36" D, 0.0125" 5052 aluminum construction, polyester powder finish, ANSI 61 grey out/white in, dual swing rack 19/23", standard EIA spacing, tapped 12-24 adjustable channels on side, thermostat kit, fluorescent light kit, 3PT, latch on main door with pad lock provisions, plywood back panels, and insulation thru-out) with a 12,000 BTU air conditioning unit housed in a stainless steel enclosure.	22,174.75	306.74
27 22 19 00-0003	EA	Wall Mounted Equipment Cabinet Note: Mid-Atlantic DWR-24-22 PD.	1,415.88	102.25
27 22 19 00-0004	EA	APX 2 Bay Communications Equipment Enclosure, 72" High x 72" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel Note: Ul 508A Listed Enclosure, NEMA 4x (Two Bay) APX Double Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (1) Door with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on Both Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Lifting Ears, Door Gasket Seals, Removable Center Post, Continuous Sthle Hinges/Hardware, (2) Fluorescent Light Fixtures with door activated switches, (12,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.	10,743.84	
27 22 19 00-0005	EA	APX 3 Bay Communications Equipment Enclosure, 72" High x 108" Wide x 36" Deep, 14 Ga. Type 304 Stainless Steel Note: Ul 508A Listed Enclosure, NEMA 4x (Three Bay) APX Three Door Front Style, Stainless Steel construction with a natural mill finish. Includes Three Point Door Latching on (3) Doors with Stainless Steel Pad Lockable Handle, Sloped Lid Toward Rear of Cabinet, Door Wind Stay Brackets and Bars on all three Doors, R-4 Insulation Package on inside enclosure and doors, 3/4" Plywood Back panels on Rear Wall, (1) 19" Swing Out Rack in each bay with 12-24 Tapped Holes, Two 33 RU Racks positioned inside left and right bays, Lifting Ears Door Gasket Seals, (2) Fixed Center Posts, Continuous Sthle Hinges/Hardware, (3) Fluorescent Light Fixtures with door activated switches, (19,000 BTU) Air Conditioner (230 Volt) with Stainless Steel Shell Mounted to Sied Wall, (4) Three Prong Duplex Receptacles, Power Distribution Panel with 100 Amp Load Center, 100 AMP Main Breaker, Equipment Circuit Breakers, Surge Suppression, includes Fiber Storage Reels.	39,773.98	

27 24 Data Communications Peripheral Data Equipment *(27 20)*

27 24 19 External Drives *(27 24)*

27 24 19 00-0001 Network Equipment *(27 24 19)*

27 24 19 00-0002	EA	19" Rack Mountable 110-24T Ethernet Switch Note: 24 x 10/100Base-TX LAN with SFP (miniGBic) port, Nortel Networks Limited 110-24T Managed Business Ethernet Switch - 24 x 10/100Base-TX LAN model #NT5S01AEE5. Includes testing.	613.83	33.98
27 24 19 00-0003	EA	19" Rack Mountable Station Access Router Note: Nortel Network part number SR2101031E5. Includes testing.	3,232.44	178.58
27 24 19 00-0004	EA	19" Rack Mount LCD Monitor Note: Nortel Network part number SR2101031E5. Includes testing.	1,539.94	81.63
27 24 19 00-0005	EA	1000VA UPS (Uninterruptible Power Supply) Note: APC SUA1000RM2U. Includes testing.	1,477.65	93.22
27 24 19 00-0006	EA	1000VA UPS (Uninterruptible Power Supply) Note: APC BR1000. Includes testing.	569.12	93.22
27 24 19 00-0007	EA	1200VA UPS (Uninterruptible Power Supply) Note: APC BR1200. Includes testing.	585.53	93.22

27 30 Voice Communications *(27)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

27 32 Voice Communications Terminal Equipment *(27 30)*

Note: Includes testing of new devices and certification.

27 32 13 Telephone Sets *(27 32)*

27 32 13 00-0001 Interior Telephone Components *(27 32 13)*

27 32 13 00-0002	EA	Solid State Exchange Unit With Power Supply	7,571.16	932.50
27 32 13 00-0003	EA	Dial Telephone - Handset In Cabinet	924.73	76.23
27 32 13 00-0004	EA	Elevator Cab Telephone With Trailer Cable	450.10	81.73
27 32 13 00-0005	EA	Loud Ring Bell, 6"	347.89	75.82
27 32 13 00-0006	EA	Audio/Visual Indicator	454.66	71.43
27 32 13 00-0007	EA	Administrative Telephone With Digital Display	478.25	64.09
27 32 13 00-0008	EA	Processing Unit For 16 Station System	2,276.87	522.78
27 32 13 00-0009	EA	Handset For 16 Station System	334.10	52.05
27 32 13 00-0010	EA	Handset In Cabinet, For 16 Station System	452.69	70.20
27 32 13 00-0011	MLF	20 Conductor Unshielded Cable, #22	2,727.44	1,125.26
27 32 13 00-0012	EA	Power Supply For 16 Station System	386.85	138.88
27 32 13 00-0013	EA	Intercom Terminal Board	326.59	156.33
27 32 13 00-0014	EA	Power Supply For Five Station System, 24 Volt DC	404.62	138.88
27 32 13 00-0015	EA	Telephone Communication Board, Insulated Blueboard 24" x 24" x 1/2" Thick	202.14	57.05
27 32 13 00-0016	EA	Telephone Cabinet With Backboard 24" High x 24" Wide x 6" Deep	656.32	125.57
27 32 13 00-0017	EA	Telephone Cabinet With Backboard 30" High x 24" Wide x 6" Deep	777.66	142.72
27 32 13 00-0018	EA	Telephone Cabinet With Backboard 30" High x 30" Wide x 6" Deep	945.02	168.92
27 32 13 00-0019	EA	Telephone Cabinet With Backboard 36" High x 30" Wide x 6" Deep	1,122.99	182.62
27 32 13 00-0020	EA	Telephone Cabinet With Backboard 48" High x 30" Wide x 6" Deep	1,786.42	207.79
27 32 13 00-0021	EA	Ring Rung 3"	11.47	5.69
27 32 13 00-0022	EA	G66B50 Telephone Blocks Including 50 Terminators, Exterior Ring, Marking, ID	29.58	10.11
27 32 13 00-0023	EA	G110 Data Blocks Including Terminator, Exterior Ring, Marking, ID And Testing	52.40	20.71

27 32 13 00-0024 Interior Telephone Accessories *(27 32 13)*

27 32 13 00-0025	EA	Blank Telephone Receptacle, Exposed Devices - Complete	11.46	5.51
27 32 13 00-0026	EA	4-Pin Telephone Receptacle, Exposed Devices - Complete	25.17	21.23
27 32 13 00-0027	EA	Dual Flush Mounted, Level 5, RJ-45 Jack, Complete	62.84	23.30
27 32 13 00-0028	EA	Wall Mount, Level 5, RJ-45 Jack, Complete	59.23	23.30
27 32 13 00-0029	EA	Terminating Strips, Inside	120.27	46.61
27 32 13 00-0030	EA	Dual Outlet, 4-Pin Telephone Receptacle, Concealed Type RJ-45 - Complete	52.13	23.98
27 32 13 00-0031	EA	Ready Access Closure 3 To 25 Pair	145.41	56.23
27 32 13 00-0032	EA	Ready Access Closure 25 To 100 Pair	170.64	62.86
27 32 13 00-0033	EA	Termination Block With Bracket 25 Pair	55.47	18.88
27 32 13 00-0034	EA	RJ-11 Telephone Receptacle, Concealed Devices - Complete	51.15	23.67
27 32 13 00-0035	EA	Interior Protected Terminal 25 Pair	648.10	136.34
27 32 13 00-0036	EA	Interior Protected Terminal 50 Pair	773.18	138.47
27 32 13 00-0037	EA	Pedestal 6" x 6" x 50" 3 To 100 Pair	257.57	56.74
27 32 13 00-0038	EA	Pedestal 8" x 8" x 50" 100 To 300 Pair	266.22	56.74
27 32 13 00-0039	EA	Pedestal 10" x 10" x 43" 300 To 600 Pair	352.05	72.55
27 32 13 00-0040	EA	Pedestal 10" x 16" x 439 600 Pair	734.65	130.72
27 32 13 00-0041	EA	Entrance Protector Terminal 100 Pair	1,023.19	149.19
27 32 13 00-0042	EA	Gas Protection Module	15.29	5.10
27 32 13 00-0043	EA	Terminating Boxes, Outside With 3 Element Protectors, Per Pair	27.35	4.66

27 32 26 Ring-Down Emergency Telephones *(27 32)*

27 32 26 00-0001 Emergency Telephone *(27 32 26)*

Note: Includes CB3000 speakerphone, 3 auxiliary Inputs, 2 auxiliary outputs, phone line surge suppressor, analog telephone connection, 70 watt area light with blue beacon, high power strobe, lighted faceplate, 110VAC power, ultra weather resistant finish, vandal resistant hardware, UV resistant Lens, dome vent; flat area for directory, access control or other options; 12.75" diameter/8'-6" height, 1/4" thick steel construction, foundation anchor kit, ADA compliant.

27 32 26 00-0002	EA	Code Blue 1-Standard Emergency Telephone Pedestal Unit (CB 1-s) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, hard wire phone line, passive vent at top, 24V AC, and standard color.	11,358.19	421.41
27 32 26 00-0003	EA	Code Blue 1-Dual Emergency Telephone Pedestal Unit (CB 1-d) Note: Includes IA4100 FP1 analog speakerphone with single red 'Push For Help' button, 'Push For Help' bezel, blank stainless steel plate second opening, hard wire phone line, passive vent at top, 24V AC, and standard color.	11,975.62	421.41
27 32 26 00-0004	EA	Analog Speakerphone With Black Info Button And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2)	205.81	
27 32 26 00-0005	EA	Analog Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IA4100 FP2-K)	308.71	
27 32 26 00-0006	EA	IP Speakerphone With Single Red Push For Help Button Code Blue Option (Code Blue IP5000 FP1)	771.78	
27 32 26 00-0007	EA	IP Speakerphone With Back Info Button And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2)	1,049.63	
27 32 26 00-0008	EA	IP Speakerphone With Black Call Button, Keypad And Red Push For Help Button Code Blue Option (Code Blue IP5000 FP2-K)	1,152.53	
27 32 26 00-0009	EA	EMERGENCY (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0010	EA	EMERGENCY/EMERGENCIA (Raised Letters With Braille) Main Bezel Code Blue Option	20.58	
27 32 26 00-0011	EA	Directory, Second Opening Code Blue Option	185.23	
27 32 26 00-0012	EA	Camera Enclosure With Color IP Camera, Second Opening Code Blue Option	1,955.19	
27 32 26 00-0013	EA	HID Card Reader, Second Opening Code Blue Option	905.56	
27 32 26 00-0014	EA	HID Card Reader And Color IP Camera, Second Opening Code Blue Option	2,932.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 32 26 00-0015	EA	IP Wireless Communication Code Blue Option Note: 802.11g or secure mesh 5.8. (system UPS backup or unit Night Charge recommended). IP5000 VoIP Speakerphone option must be ordered when selecting IP Wireless Communications. Requires Base Unit(s) and site survey.	6,163.98	
27 32 26 00-0016	EA	Active Venting Code Blue Option	329.29	
27 32 26 00-0017	EA	Night Charge Power Code Blue Option Note: Requires 120V AC external power supplied to Code Blue unit.	2,871.04	
27 32 26 00-0018	EA	Power Transformer Kit, Alternate Incoming Power Code Blue Option	720.33	
27 32 26 00-0019	EA	Overhead Camera Mount Code Blue Option Note: Excludes camera.	1,636.18	
27 32 26 00-0020	EA	Custom Color For Overhead Camera Mount Code Blue Option	72.03	
27 32 26 00-0021		City Police Call System *(27 32 26)*		
27 32 26 00-0022		Components *(27 32 26 00-0021)*		
27 32 26 00-0023	EA	City Police Call System	875.93	118.98
27 32 26 00-0024	EA	Concrete Foundation For Police Department Telephone Post	753.03	172.35

27 40 Audio-Video Communications *(27)*

27 41 Audio-Video Systems *(27 40)*

27 41 16 Integrated Audio-Video Systems and Equipment *(27 41)*

Note: Includes testing of new devices and certification.

27 41 16 00-0001 Television Distribution System *(27 41 16)*
See CSI section 26 05 19 16-0012 for basic wiring.

27 41 16 00-0002 Mounted Television Support *(27 41 16 00-0001)*

27 41 16 00-0003	EA	Ceiling Mounted Television Support, 19" To 20"	451.63	114.51
27 41 16 00-0004	EA	Ceiling Mounted Television Support, 19" To 20" With Rack	595.19	127.80
27 41 16 00-0005	EA	Ceiling Mounted Television Support, 25" To 27"	474.47	114.51
27 41 16 00-0006	EA	Ceiling Mounted Television Support, 25" To 27" With Rack	618.03	127.80
27 41 16 00-0007	EA	Wall Mounted Television Support, 13"	358.82	92.02
27 41 16 00-0008	EA	Wall Mounted Television Support, 13" With Rack	502.36	102.25
27 41 16 00-0009	EA	Wall Mounted Television Support, 19" To 20"	388.80	92.02
27 41 16 00-0010	EA	Wall Mounted Television Support, 19" To 20" With Rack	532.34	102.25
27 41 16 00-0011	EA	Wall Mounted Television Support, 25" To 27"	418.79	92.02
27 41 16 00-0012	EA	Wall Mounted Television Support, 25" To 27" With Rack	562.33	102.25

27 41 16 00-0013 Distribution System *(27 41 16 00-0001)*
See CSI section 26 05 13 16-0001 for wire and cabling.

27 41 16 00-0014 TV Distribution Rack *(27 41 16 00-0013)*

27 41 16 00-0015	EA	Steel Rack Cabinet With Shelves	1,729.64	187.66
27 41 16 00-0016	EA	Switch And Pilot Light	242.90	83.37
27 41 16 00-0017	LF	Surface Raceway With Outlets	28.40	11.33
27 41 16 00-0018	EA	Service Label	32.65	15.61

27 41 16 00-0019 Head End Amplifier *(27 41 16 00-0013)*

27 41 16 00-0020	EA	Head End Amplifier	1,154.07	124.91

27 41 16 00-0021 UHF In-Line Booster Amplifier And Power Supply *(27 41 16 00-0013)*

27 41 16 00-0022	EA	UHF In-Line Booster	648.85	124.91

27 41 16 00-0023 Preamplifiers *(27 41 16 00-0013)*

27 41 16 00-0024	EA	VHF Preamplifier	826.75	124.91
27 41 16 00-0025	EA	UHF Preamplifier	648.85	124.91

27 41 16 00-0026 Power Supplies *(27 41 16 00-0013)*

27 41 16 00-0027	EA	Common Power Supply	1,181.07	178.48

27 41 16 00-0028 Line Splitter And Mixer *(27 41 16 00-0013)*

27 41 16 00-0029	EA	Line Splitter	89.43	41.64
27 41 16 00-0030	EA	Two-Way Splitter	103.59	41.64
27 41 16 00-0031	EA	Frequency Filter	244.43	62.55
27 41 16 00-0032	EA	Line Splitter And Mixer	274.12	91.84

27 41 16 00-0033 Power Line Filters *(27 41 16 00-0013)*

27 41 16 00-0034	EA	120-Volt Power Supply Line Filter	491.95	83.37

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 41 16 00-0035		Wall Box And Receiver Outlets *(27 41 16 00-0013)*		
27 41 16 00-0036	EA	Wall Box With Lockable Cover, Excluding Outlet Plug	244.43	62.55
27 41 16 00-0037	EA	TV Receiver Outlet Plug	103.59	41.64
27 41 16 00-0038	EA	TV Camera Outlet Plug	103.59	41.64
27 41 16 00-0039	EA	Audio Outlet Plug	85.85	41.64
27 41 16 00-0040	EA	12 Ft RG 6U Cable With G-59 And TV Set Fittings	180.63	83.37
27 41 16 00-0041	EA	Male Plug PL-259	103.59	41.64
27 41 16 00-0042	EA	Wall Box And Receiver Outlet Television Outlets	117.29	43.67
27 41 33		**Master Antenna Television Systems** *(27 41)*		
27 41 33 00-0001		Antenna Systems *(27 41 33)*		
27 41 33 00-0002		Antenna *(27 41 33 00-0001)*		
27 41 33 00-0003	EA	Amateur Radio Antenna	1,088.57	153.07
27 41 33 00-0004	EA	Multi-Band Radio Antenna	833.72	153.07
27 41 33 00-0005		Receptacles *(27 41 33 00-0001)*		
27 41 33 00-0006	EA	Amateur Radio Antenna System Receptacle With Mating Plugs And Adapter	226.66	62.55
27 41 33 00-0007	EA	Multi-Band Radio Antenna System Receptacle With Mating Plugs	226.66	62.55

27 50 Distributed Communications and Monitoring Systems *(27)*

27 51 Distributed Audio-Video Communications Systems *(27 50)*

27 51 17 Video Intercom and Exterior Gate Control System *(27 51)*

27 51 17 00-0001		Video Intercom And Exterior Gate Control System *(27 51 17)*		
27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW)	1,508.22	127.80
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV)	1,200.76	127.80
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW)	469.13	127.80
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C)	1,464.40	63.90
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C)	2,006.72	63.90
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5)	141.56	25.56
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV)	1,065.27	25.56
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF)	1,468.85	25.56
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV)	468.18	25.56
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF)	529.39	25.56
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) Note: UL Listed	140.85	12.78
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL) Note: UL Listed	153.68	12.78
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV)	1,855.15	127.80
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999)	63.15	5.11
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD)	752.38	127.80
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P)	758.56	25.56
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF)	221.93	25.56
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF)	248.98	25.56
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A)	301.59	38.34
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880)	65.15	12.78

27 51 43 Sound Reinforcement *(27 51)*

Note: Includes testing of new devices and certification.

27 51 43 00-0001		Amplifiers *(27 51 43)*		
27 51 43 00-0002	EA	10 Watt PA/Paging System Amplifier, 70 Volt (Bogen C10)	527.39	102.25
27 51 43 00-0003	EA	35 Watt PA/Paging System Amplifier, 70 Volt (Bogen C35)	769.44	102.25
27 51 43 00-0004	EA	60 Watt PA/Paging System Amplifier, 70 Volt (Bogen C60)	924.81	102.25
27 51 43 00-0005	EA	100 Watt PA/Paging System Amplifier, 70 Volt (Bogen 100)	1,035.66	102.25
27 51 43 00-0006	EA	150 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS150)	1,304.27	102.25
27 51 43 00-0007	EA	250 Watt PA/Paging System Amplifier, 70 Volt (Bogen GS250)	1,705.95	102.25
27 51 43 00-0008	EA	Rack Mount Kit For PA/Paging System Amplifiers (Bogen GSRPK)	67.09	5.11
27 51 43 00-0009		Splitters *(27 51 43)*		
27 51 43 00-0010	EA	24 Watt, 5 Output, Isolated Splitter (Doug Fleenor 125EE)	3,473.66	76.53
27 51 43 00-0011	EA	1-in/11-out Splitter (Doug Fleenor DMX)	3,129.41	76.53
27 51 43 00-0012		Speakers *(27 51 43)*		
27 51 43 00-0013	EA	8", 5 Watt Recessed Ceiling Mounted Speaker With Transformer And Baffle (Atlas Sound FD72W)	190.50	27.35
27 51 43 00-0014	EA	8" Steel Baffle (Atlas Sound 51-8)	65.91	5.10
27 51 43 00-0015	EA	T-Bar Support (Atlas Sound EZ95-8)	74.36	5.10
27 51 43 00-0016	EA	8" Cylindrical Enclosure With Undercoating (Atlas Sound Q408)	119.66	5.10
27 51 43 00-0017	EA	Plate Mounted 10 Watt Attenuator With Priority Relay (Atlas Sound AT10-PA)	104.98	9.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 51 43 00-0018		Accessories *(27 51 43)*		
27 51 43 00-0019	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A)	332.93	12.78
27 51 43 00-0020	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P)	756.68	12.78
27 51 43 00-0021	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A)	179.72	25.56
27 51 43 00-0022	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A)	344.56	25.56
27 51 43 00-0023	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex)	248.19	25.51
27 51 43 00-0024	EA	Microphone Jack For Audio/Video System	107.49	25.56
27 51 43 00-0025	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18)	969.99	102.25
27 51 43 00-0026	EA	Volume Control For Audio/Video System (Bogen AT10A)	102.15	25.56
27 51 43 00-0027	EA	Round Bridge for 8" (S86/S810) Reccessed Speakers (Bogen Communications TB8)	67.58	25.56
27 51 43 00-0028		Removal And Reinstallation Of Speakers *(27 51 43)* Note: Includes storage, cleaning and supply materials.		
27 51 43 00-0029	EA	Removal And Reinstallation Of Ceiling Mounted Speaker	142.87	

27 53 Distributed Systems *(27 50)*

27 53 13 Clock Systems *(27 53)*

27 53 13 13 Wireless Clock Systems *(27 53 13)*

27 53 13 13-0001		Wireless Synchronized GPS Clock System (Sapling) *(27 53 13 13)*		
27 53 13 13-0002		Master Clock (Sapling SMA 2000 Series) *(27 53 13 13-0001)* Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0003	EA	Master Clock, 900 MHz Transmitter, GPS, Surface Wall Mount (Sapling SMA-2S0-1100-1	8,251.18	76.53
27 53 13 13-0004	EA	Master Clock, 900 MHz Transmitter, GPS, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1100-1)	8,727.54	76.53
27 53 13 13-0005	EA	Master Clock, 900 MHz Transmitter, Surface Wall Mount (Sapling SMA-2S0-1000-1)	4,678.48	76.53
27 53 13 13-0006	EA	Master Clock, 900 MHz Transmitter, Rack Mount And Wall Mount Antenna (Sapling SMA-2R0-1000-1)	5,154.84	76.53
27 53 13 13-0007	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,260.40	
27 53 13 13-0008		Wireless Repeaters (Sapling) *(27 53 13 13-0001)*		
27 53 13 13-0009	EA	Wireless Repeater, 900 MHz, RS485 Input, Surface Wall Mount (Sapling SMA-1SR-0000-1)	2,001.82	51.02
27 53 13 13-0010	EA	Wireless Network Repeater, 900 MHz, 110 VAC - 230 VAC, With TCP/IP For Campus Environments, Surface Wall Mount (Sapling SMA-1SM-0000-1)	2,245.67	51.02
27 53 13 13-0011		Wireless Round Analog Clocks (Sapling SAL-4 Series) *(27 53 13 13-0001)* Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0012	EA	Analog, Wireless Slim Line, 900 MHz, 12" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-12R-0)	426.49	25.51
27 53 13 13-0013	EA	Double Mount Housing With Metal Pole For Slim Line 12" Round Analog Clock, Black (Sapling SAH-1BD-12R-0)	264.90	25.51
27 53 13 13-0014	EA	Analog, Wireless Slim Line, 900 MHz, 16" Round, Battery-Operated, Surface Wall Mount, Black Case (Sapling SAL-4BS-16R-0)	512.32	25.51
27 53 13 13-0015	EA	Double Mount Housing With Metal Pole For Slim Line 16" Round Analog Clock, Black (Sapling SAH-1BD-16R-0)	300.54	25.51
27 53 13 13-0016		Wireless GPS Accesories (Sapling) *(27 53 13 13-0001)*		
27 53 13 13-0017	EA	GPS Mounting Kit (Sapling M-GPS-MTG-KIT-1)	76.68	20.41
27 53 13 13-0018	EA	Wall Mount, L-Shape, GPS Mounting Kit (Sapling M-GPS-MTG90-KIT-1)	112.55	20.41
27 53 13 13-0019	EA	GPS Antenna Cable, 150 Foot (45.7 Meters) Length (Sapling E-ANT-CBL150F-1)	1,030.73	44.65
27 53 13 13-0020	EA	GPS Antenna Cable, 300 Foot (91.4 Meters) Length (Sapling E-ANT-CBL300F-1)	1,839.26	63.78
27 53 13 13-0021	EA	GPS Surge Protector/Arrestor (Sapling E-GPS-SURGE-1)	652.10	5.10
27 53 13 13-0022		2.4 GHz, 2.5", 6-Digit, Digital Messaging Wireless Clock System (Sapling SLDG 3000 Series) *(27 53 13 13)* Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes. Quantities over 25 for all digital clocks are Non-Cancelable, Non-Returnable (NCNR). (50) Clock Mininum Quantity Required Per System order for SDLG-32S-256-4R. (25) Clock Mininum Quantity Required Per System order for SDLG-32S-256-1R. All digital clocks are available without bezel or without the housing. Contact Sapling for details. Contact Sapling for Factory Customized Message Options. All digital clocks are pre-loaded and shipped with the following messages below: (1) Tornado Warning (2) Inclement Weather (3) Take Cover (4) Evacuate (5) Lockdown (6) Fire (7) Early Dismissal (8) Flood Warning (9) Earthquake (10) Code Blue (11) All Clear (12) Operation in Progress (13) Test in Progress (14) Lunch Break (15) Shift Break.		
27 53 13 13-0023	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount (Sapling SDLG-32S-256-4R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,351.10	76.53
27 53 13 13-0024	EA	3200 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount (Sapling SDLG-32S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,382.76	76.53
27 53 13 13-0025	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 24 VAC/VDC, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-4R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,663.09	76.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0026	EA	3300 Digital Messaging Wireless Clock, 2.4 GHz, 2.5", Dot Matrix Red Display, 110 Volt, Surface Wall Mount And Relay Output/Input (Sapling SDLG-33S-256-1R) Note: Capability to interface with either Sapling's Elapsed Timer Control Panel Or Sapling Temperature Sensor.	1,694.76	76.53
27 53 13 13-0027	EA	Short Metal Pole For Ceiling Mount Only For Double/Flag Mount, 8.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-01S-0)	176.99	20.41
27 53 13 13-0028	EA	Metal Pole For Double/Flag Mount, Wall Or Ceiling, 13.5", Digital Or Square Analog Clock, Black (Sapling SAB-1BD-00S-0)	176.99	20.41
27 53 13 13-0029	EA	Clock Message Setup Fee, Per Clock (Sapling CLK-MSG-SETUP)	32.60	
27 53 13 13-0030	EA	USB Programming Cable + Software For 3200/3300 Digital Clocks (Sapling D-USB485-INTF-1)	261.86	2.55
27 53 13 13-0031	EA	Elapsed Timer Control Panel For 3200/3300 Clock Model (Sapling SBD-ELT-001-0)	523.72	5.10
27 53 13 13-0032	EA	Elapsed Timer Specialty Buttons Kit (Sapling SBD-ELT-BUT-0)	94.76	2.55
27 53 13 13-0033	EA	Elapsed Timer Clear Protective Cover - Set of 2 Covers (Sapling A-ELT-CLR-GUARD-1)	18.95	0.51
27 53 13 13-0034	EA	Temperature Sensor for 3200/3300 Digital Clock Model (Sapling SBD-TEMP-000-0)	117.80	5.10
27 53 13 13-0035		2.4 GHz Wireless Message System/Master Clock And Transmitter (Sapling SMM 3000 Series) *(27 53 13 13)* Note: Includes Sapling standard 2 year "material" warranty and applies to Master Clocks, Analog Clocks, Digital Clocks and Converter Boxes.		
27 53 13 13-0036	EA	Master Clock With 2.4 GHz Transmitter For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G008-1)	6,842.43	76.53
27 53 13 13-0037	EA	Master Clock With 2.4 GHz Transmitter And GPS For Time Data And Messages, Rack Mount And Wall Remote Mount Antenna, 8 Programmable Relays/Zones (Sapling SMM-3R0-G108-1)	9,430.54	76.53
27 53 13 13-0038	EA	Message Input Box, 16 Inputs, Rack Mount, For SMM Master Clock (Sapling SMI-000-0016-0)	3,011.96	51.02
27 53 13 13-0039	EA	Wireless Network Repeater, 2.4 GHz, 110 VAC - 230 VAC, with TCP/IP for Campus Environments, Surface Wall Mount (Sapling SMA-1SM-G000-1	1,719.62	51.02
27 53 13 13-0040	EA	NTP Server Upgrade (Sapling SMA-000-SERV-0)	3,260.40	
27 53 13 13-0041	EA	Countdown Feature Upgrade (Sapling SMA-000-CDOW-0)	1,613.90	
27 53 13 13-0042		Clear Polycarbonate Protective Covers For Wireless Clocks (Sapling) *(27 53 13 13)* Note: For applications requiring defense against constant moisture or fine dust, a silicone sealant betwen the cover and wall is recommended.		
27 53 13 13-0043	EA	Clear Polycarbonate Protective Cover For 9" Square And 12" Round Analog Clock (Sapling SAG-CLR-COVR-12)	436.32	12.75
27 53 13 13-0044	EA	Clear Polycarbonate Protective Cover For 2.5" Digital Clock (Sapling SDG-CLR-COVR-25)	436.32	12.75
27 53 13 13-0045		Wire Guards For Wireless Synchronized Clocks (Sapling) *(27 53 13 13)*		
27 53 13 13-0046	EA	Wire Guard For Round Or Square Analog Clocks (Sapling SAG-1200)	238.90	12.75
27 53 13 13-0047	EA	Wire Guard for 2.5" or 4.0" Digital Clocks (Sapling SDG-2017)	335.13	12.75
27 53 13 13-0048		Wireless Synchronized Clock Transmitters *(27 53 13 13)*		
27 53 13 13-0049		Analog, Wireless Synchronized Clocks (Primex Traditional Series) *(27 53 13 13-0048)*		
27 53 13 13-0050	EA	12.5", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	336.32	25.51
		For >100 To 250, Deduct	*-58.99*	
		For >250, Deduct	*-70.40*	
27 53 13 13-0051	EA	12.5", Battery Operated, Dual Sided, Analog, Wireless Synchronized Clock	621.62	25.51
		For >100 To 250, Deduct	*-39.02*	
		For >250, Deduct	*-47.58*	
27 53 13 13-0052	EA	16", Battery Operated, Single Sided, Analog, Wireless Synchronized Clock	395.34	25.51
		For >100 To 250, Deduct	*-69.61*	
		For >250, Deduct	*-83.38*	
27 53 13 13-0053	EA	12.5", Electric, Single Sided, Analog, Wireless Synchronized Clock	385.51	25.51
		For >100 To 250, Deduct	*-67.84*	
		For >250, Deduct	*-81.22*	
27 53 13 13-0054	EA	12.5", Electric, Dual Sided, Analog, Wireless Synchronized Clock	719.99	25.51
		For >100 To 250, Deduct	*-44.43*	
		For >250, Deduct	*-54.46*	
27 53 13 13-0055	EA	16", Electric, Single Sided, Analog, Wireless Synchronized Clock	444.53	25.51
		For >100 To 250, Deduct	*-50.92*	
		For >250, Deduct	*-66.66*	
27 53 13 13-0056		Digital, Wireless Synchronized Clocks (Primex Digital Series) *(27 53 13 13-0048)*		
27 53 13 13-0057		4-Digit, Digital, Wireless Synchronized Clocks *(27 53 13 13-0056)*		
27 53 13 13-0058	EA	2.5", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	503.56	25.51
		For Green LED, Add	*45.25*	
		For >100 To 250, Deduct	*-43.84*	
		For >250, Deduct	*-66.46*	
27 53 13 13-0059	EA	2.5", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	956.10	25.51
		For Green LED, Add	*90.51*	
		For >100 To 250, Deduct	*-98.14*	
		For >250, Deduct	*-252.01*	
27 53 13 13-0060	EA	4", Single Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	562.59	25.51
		For Green LED, Add	*51.16*	
		For >100 To 250, Deduct	*-30.65*	
		For >250, Deduct	*-46.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 13-0061	EA	4", Dual Sided, 4-Digit, Red LED Digital, Wireless Synchronized Clock	1,074.16	25.51
		For Green LED, Add	*102.31*	
		For >100 To 250, Deduct	*-89.48*	
		For >250, Deduct	*-283.88*	
27 53 13 13-0062		**6-Digit, Digital, Wireless Synchronized Clocks** *(27 53 13 13-0056)*		
27 53 13 13-0063	EA	2.5", Single Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	562.59	25.51
		For Green LED, Add	*51.16*	
		For >100 To 250, Deduct	*-35.77*	
		For >250, Deduct	*-52.14*	
27 53 13 13-0064	EA	2.5", Dual Sided, 6-Digit, Red LED Digital, Wireless Synchronized Clock	1,074.16	25.51
		For Green LED, Add	*102.31*	
		For >100 To 250, Deduct	*-80.28*	
		For >250, Deduct	*-191.80*	
27 53 13 13-0065	EA	2.5", Flush Mount, 6-Digit, Red LED Digital, Wireless Synchronized Clock	660.97	25.51
		For Green LED, Add	*61.00*	
		For >100 To 250, Deduct	*-28.98*	
		For >250, Deduct	*-44.23*	
27 53 13 13-0066		**Wire Guards For Wireless Synchronized Clocks** *(27 53 13 13-0048)*		
27 53 13 13-0067	EA	18" x 18" Analog Clock Wire Guard For 16" Wireless Synchronized Clocks	173.08	12.75
27 53 13 13-0068	EA	Digital Clock Wire Guard For 2.5" Wireless Synchronized Clocks	74.70	12.75
27 53 13 13-0069	EA	Digital Clock Wire Guard For 4" Wireless Synchronized Clocks	84.54	12.75
27 53 13 13-0070		**Wireless Synchronized Clock Transmitters** *(27 53 13 13-0048)* Note: Includes 16 channel transmitter with daylight savings bypass and time zone switch, GPS receiver, 16' cable and window installation hardware.		
27 53 13 13-0071	EA	Internal Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000)	3,881.62	76.53
		For Roof Mounted GPS Receiver, Add	*525.53*	
27 53 13 13-0072	EA	External Antenna, One Watt GPS Wireless Clock Transmitter (Primex 14000-E) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	6,350.92	76.53
		For Roof Mounted GPS Receiver, Add	*772.46*	
27 53 13 13-0073	EA	Repeater, Satellite Transmitter (Primex 14006) Note: Includes 100' antenna cable, 29.4" high x 41.5" wide ground plane antenna with direct ground lightning protection.	3,830.60	51.02
27 53 13 13-0074		**Accessories For Wireless Synchronized Clock Transmitters** *(27 53 13 13-0048)*		
27 53 13 13-0075	EA	External Antenna Mounting Kit For Wireless Synchronized Clock Transmitters	335.96	20.41
27 53 13 13-0076	EA	Transmitter Rack For Wireless Synchronized Clock Transmitters	143.13	20.41
27 53 13 13-0077	EA	Surge Protector And Battery Back Up For Wireless Synchronized Clock Transmitters	230.58	10.21
27 53 13 13-0078	EA	50' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	182.85	25.51
27 53 13 13-0079	EA	100' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	253.61	38.27
27 53 13 13-0080	EA	200' GPS Receiver Cable For Wireless Synchronized Clock Transmitters	377.51	51.02
27 53 13 16		**Wired Clock Systems** *(27 53 13)*		
27 53 13 16-0001		**Wired Self-Corrective Clock Systems** *(27 53 13 16)*		
27 53 13 16-0002		**Wired Self-Corrective Clocks** *(27 53 13 16-0001)*		
27 53 13 16-0003		**Analog, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 16-0002)*		
27 53 13 16-0004		**24 Volt AC, Analog, Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0005	EA	12", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	284.18	25.51
		For >50 To 100, Deduct	*-16.96*	
		For >100, Deduct	*-26.29*	
27 53 13 16-0006	EA	12", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	700.32	25.51
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-59.58*	
27 53 13 16-0007	EA	16", Single Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	360.91	25.51
		For >50 To 100, Deduct	*-23.13*	
		For >100, Deduct	*-35.52*	
27 53 13 16-0008	EA	16", Dual Sided, 24 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	930.52	25.51
		For >50 To 100, Deduct	*-95.58*	
		For >100, Deduct	*-130.76*	
27 53 13 16-0009		**120 Volt AC, Analog, Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0010	EA	12", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	284.18	25.51
		For >50 To 100, Deduct	*-16.96*	
		For >100, Deduct	*-26.29*	
27 53 13 16-0011	EA	12", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	700.32	25.51
		For >50 To 100, Deduct	*-33.61*	
		For >100, Deduct	*-59.58*	
27 53 13 16-0012	EA	16", Single Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Semi-Flush Mount	360.91	25.51
		For >50 To 100, Deduct	*-23.13*	
		For >100, Deduct	*-35.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 53 13 16-0013	EA	16", Dual Sided, 120 Volt AC, Analog, Wired Self-Corrective Clock, Surface Mount	930.52	25.51
		For >50 To 100, Deduct	*-95.58*	
		For >100, Deduct	*-130.76*	
27 53 13 16-0014		**Accessories For Analog Wired Self-Corrective Clocks** *(27 53 13 16-0003)*		
27 53 13 16-0015	EA	Wire Guards For 12", 15" Or 16" Analog Wired Self-Corrective Clocks	239.48	12.75
27 53 13 16-0016	EA	Back Box For 10", 12" Or 15" Flush Mount Analog Wired Self-Corrective Clocks	55.02	12.75
27 53 13 16-0017	EA	Surface Mounting Rings For 12" Analog Wired Self-Corrective Clocks	72.00	12.75
27 53 13 16-0018	EA	Surface Mounting Rings For 15" Analog Wired Self-Corrective Clocks	89.71	12.75
27 53 13 16-0019	EA	Combination Back Box For Speaker And Clock	153.67	20.41
27 53 13 16-0020		**Digital, Wired Self-Corrective Clocks (Telecor)** *(27 53 13 16-0002)*		
27 53 13 16-0021		**24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0022	EA	2.5", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	355.01	25.51
		For Surface Mount, Add	*60.80*	
		For >50 To 100, Deduct	*-18.24*	
		For >100, Deduct	*-30.40*	
27 53 13 16-0023	EA	4", 24 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	555.70	25.51
		For Surface Mount, Add	*100.94*	
		For >50 To 100, Deduct	*-30.28*	
		For >100, Deduct	*-50.47*	
27 53 13 16-0024		**120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0025	EA	2.5", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	355.01	25.51
		For Surface Mount, Add	*60.80*	
		For >50 To 100, Deduct	*-18.24*	
		For >100, Deduct	*-30.40*	
27 53 13 16-0026	EA	4", 120 Volt AC, Digital, Wired Self-Corrective Clock, Flush Mount	555.70	25.51
		For Surface Mount, Add	*100.94*	
		For >50 To 100, Deduct	*-30.28*	
		For >100, Deduct	*-50.47*	
27 53 13 16-0027		**Replacement Modules For 24 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0028	EA	2.5", Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	301.16	25.51
		For >50 To 100, Deduct	*-15.01*	
		For >100, Deduct	*-25.01*	
27 53 13 16-0029	EA	4" Replacement Module For 24 Volt AC, Digital, Wired Self-Corrective Clocks	507.00	25.51
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-45.60*	
27 53 13 16-0030		**Replacement Modules For 120 Volt AC, Digital, Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0031	EA	2.5", Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	301.16	25.51
		For >50 To 100, Deduct	*-15.01*	
		For >100, Deduct	*-25.01*	
27 53 13 16-0032	EA	4" Replacement Module For 120 Volt AC, Digital, Wired Self-Corrective Clocks	507.00	25.51
		For >50 To 100, Deduct	*-27.36*	
		For >100, Deduct	*-45.60*	
27 53 13 16-0033		**Accessories For Digital Wired Self-Corrective Clocks** *(27 53 13 16-0020)*		
27 53 13 16-0034	EA	Wire Guard For 4" Surface Mount Analog Wired Self-Corrective Clocks	329.50	12.75
27 53 13 16-0035	EA	2.5", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	72.73	12.75
27 53 13 16-0036	EA	4", Recessed Back Box For Flush Mount Digital Wired Self-Corrective Clocks	103.72	12.75
27 53 13 16-0037	EA	Dual Mounting Kit For Surface Mount Digital Wired Self-Corrective Clocks	286.70	12.75
27 53 13 16-0038	EA	4 Gang Extension Ring For Surface Mount Digital Wired Self-Corrective Clocks	74.95	12.75
27 53 13 16-0039		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0001)*		
27 53 13 16-0040		**Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0041	EA	24 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-24)	3,353.63	204.10
27 53 13 16-0042	EA	120 Volt AC, Wired Self-Corrective Master Clock, Surface Mount (Telecor 2400-S-120)	3,574.98	204.10
27 53 13 16-0043		**Accessories For Wired Self-Corrective Master Clocks** *(27 53 13 16-0039)*		
27 53 13 16-0044	EA	5 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2405)	325.63	51.02
27 53 13 16-0045	EA	10 Amperes Power Transformer For 24 Volt AC, Wired Self-Corrective Clock Systems (Telecor 2406)	372.10	51.02
27 53 13 16-0046		**Other Clock And Program Systems** *(27 53 13 16)*		
27 53 13 16-0047	EA	4 Circuit Master Clock And Signal Control (Lathem LTR4-512)	1,999.69	102.05
27 53 13 16-0048	EA	8 Circuit Master Clock And Signal Control (Lathem LTR8-512)	2,374.02	204.10
27 53 13 16-0049	EA	Program Bell (Lathem 906-6)	274.96	51.02
27 53 13 16-0050	EA	Combination Clock And Speaker	617.86	127.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

28 05 Common Work Results for Electronic Safety and Security *(28)*

28 05 26 Grounding and Bonding for Electronic Safety and Security *(28 05)*

See CSI section 26 05 26 00-0000 for grounding and bonding.

28 05 53 Identification for Electronic Safety and Security *(28 05)*

See CSI section 26 05 53 00-0000 for identification.

28 10 Access Control *(28)*

Note: Includes testing of new devices and certification.

28 15 Integrated Access Control Hardware Devices *(28 10)*

28 15 11 Integrated Credential Readers and Field Entry Management *(28 15)*

28 15 11 13 Keypads *(28 15 11)*

28 15 11 13-0001 Vindicator Security Alarm System *(28 15 11 13)*

28 15 11 13-0002	EA	Switch, Balanced Magnetic Security Door (Vindicator #192-30894-00)	1,541.79	212.77
28 15 11 13-0003	EA	Security Detector, Passive Infrared (Vindicator #316-30812-00)	1,951.81	276.55
28 15 11 13-0004	EA	Premise Security Control Unit (Vindicator #548-32004-01)	11,495.13	606.15
28 15 11 13-0005	EA	Access Manager Security Key Pad (Vindicator #548-31894-01)	5,479.38	516.56
28 15 11 13-0006	EA	ALS Duress Security Switch (Vindicator #192-30810-00)	1,201.39	282.56

28 16 Access Control Interfaces *(28 10)*

28 16 11 Access Control Interfaces to Access Control Hardware *(28 16)*

28 16 11 00-0001 Stand-Alone Access Controls *(28 16 11)*

28 16 11 00-0002 Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0003 Interior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount to a standard mullion.	137.57	25.51
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	144.78	25.51
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand-Alone Access Controls For Gate Operators Note: Controls mount into a single gang electrical box. Excludes electrical box.	186.25	25.51

28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand-Alone Access Controls *(28 16 11 00-0002)*

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	176.03	25.51
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand-Alone Access Controls Note: Includes post, mounting base and push button control. Excludes concrete foundation.	871.90	76.53
28 16 11 00-0010	EA	Three Button, Exterior Stand-Alone Access Controls For Gate Operators Note: Includes open, close and stop controls.	294.44	25.51

28 16 11 00-0011 Key Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0012 Interior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

28 16 11 00-0013	EA	Standard Mortise Key, Key Controls, Interior Stand-Alone Access Controls Note: Controls mount into a single gang electrical box. Excludes electrical box.	199.77	25.51

28 16 11 00-0014 Exterior Mount, Key Controls, Stand-Alone Access Controls *(28 16 11 00-0011)*

Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.

28 16 11 00-0015	EA	Postal Or Fire Department Lock Box, Key Controls, Exterior Stand-Alone Access Controls Note: Opens door or gate with a postal or fire department key.	300.39	51.02
28 16 11 00-0016	EA	Standard Mortise Key, Key Controls, Exterior Stand-Alone Access Controls	491.51	51.02
28 16 11 00-0017	EA	Ace Key, Key Controls, Exterior Stand-Alone Access Controls	491.51	51.02
28 16 11 00-0018	EA	Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand-Alone Access Controls	765.58	51.02

28 16 11 00-0019 Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*

28 16 11 00-0020 Interior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)*

28 16 11 00-0021	EA	One Code Memory, Keypad Control, Interior Stand-Alone Access Controls Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	285.42	25.51

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0022		Exterior Mount, Keypad Controls, Stand-Alone Access Controls *(28 16 11 00-0019)* Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023		Keypad Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)*		
28 16 11 00-0024	EA	1000 Code Memory, Keypad Control, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,195.79	102.05
		For Flush Mount, Add	*223.13*	
28 16 11 00-0025		Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls *(28 16 11 00-0022)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA	1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand-Alone Access Controls Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes.	1,455.69	114.80
		For Flush Mount, Add	*275.87*	
28 16 11 00-0027		RF Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0028		Exterior Mount, RF Controls, Stand-Alone Access Controls *(28 16 11 00-0027)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029		RF Receivers, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA	50 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	690.93	102.05
28 16 11 00-0031	EA	100 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	788.30	102.05
28 16 11 00-0032	EA	250 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	882.06	102.05
28 16 11 00-0033	EA	500 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	983.03	102.05
28 16 11 00-0034	EA	1000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,076.79	102.05
28 16 11 00-0035	EA	5000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,177.76	102.05
28 16 11 00-0036	EA	16000 Code Memory, RF Receiver, RF Controls, Exterior Stand-Alone Access Controls	1,271.52	102.05
28 16 11 00-0037		RF Transmitters, RF Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0038	EA	1 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	61.30	
		For >40 To 110, Deduct	*-3.07*	
		For >110, Deduct	*-6.13*	
		For Built In Proximity Tags, Add	*12.26*	
28 16 11 00-0039	EA	2 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	64.91	
		For >40 To 110, Deduct	*-3.25*	
		For >110, Deduct	*-6.49*	
		For Built In Proximity Tags, Add	*12.98*	
28 16 11 00-0040	EA	3 Button, RF Transmitter, RF Controls, Exterior Stand-Alone Access Controls	68.52	
		For >40 To 110, Deduct	*-3.43*	
		For >110, Deduct	*-6.85*	
		For Built In Proximity Tags, Add	*13.70*	
28 16 11 00-0041		Accessories For RF Receivers, Exterior Stand-Alone Access Controls *(28 16 11 00-0028)*		
28 16 11 00-0042	EA	Coax Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	239.62	76.53
28 16 11 00-0043	EA	Antenna Amplifier For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 20' of coax cable.	513.69	76.53
28 16 11 00-0044	EA	Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand-Alone Access Controls Note: Includes 15' of coax cable.	463.20	76.53
28 16 11 00-0045		Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0046		Exterior Mount, Proximity Card Controls, Stand-Alone Access Controls *(28 16 11 00-0045)* Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047		DKS Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0048		DKS Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0047)*		
28 16 11 00-0049	EA	DKS Proximity Card Reader, Exterior Stand-Alone Access Controls	1,376.10	102.05
28 16 11 00-0050		AWID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0051		AWID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0050)*		
28 16 11 00-0052	EA	AWID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,502.31	102.05
28 16 11 00-0053		HID Proximity Card Controls, Exterior Stand-Alone Access Controls *(28 16 11 00-0046)*		
28 16 11 00-0054		HID Proximity Card Readers, Exterior Stand-Alone Access Controls *(28 16 11 00-0053)*		
28 16 11 00-0055	EA	HID Proximity Card Reader, Exterior Stand-Alone Access Controls	1,790.81	102.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0056		Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0057		Interior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
28 16 11 00-0058	EA	Magnetic Stripe Reader, Interior Stand-Alone Access Controls	799.11	102.05
28 16 11 00-0059		Exterior Mount, Magnetic Stripe Card Controls, Stand-Alone Access Controls *(28 16 11 00-0056)*		
		Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA	Magnetic Stripe Reader, Exterior Stand-Alone Access Controls	1,002.74	102.05
28 16 11 00-0061		Other Stand-Alone Access Controls *(28 16 11 00-0001)*		
28 16 11 00-0062	EA	Toggle Switch, Interior Access Controls For Gate Operators	132.16	25.51
		Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063	EA	Request To Exit Motion Detector (Bosch Security Systems DS160)	144.71	20.41
28 16 11 00-0064		Wiegand Output Access Controls *(28 16 11)*		
		Note: Excludes controllers.		
28 16 11 00-0065		Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0064)*		
28 16 11 00-0066		DKS, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0067		DKS, Proximity Cards *(28 16 11 00-0066)*		
28 16 11 00-0068	EA	Clamshell Type, DKS Proximity Card (DKS 170)	9.59	
28 16 11 00-0069	EA	ISO Compliant Graphics Card, DKS Proximity Card (DKS 80)	15.82	
28 16 11 00-0070	EA	DKS Proximity Key Fob (DKS 50)	16.66	
28 16 11 00-0071	EA	Active Tag, DKS Proximity Tag (DKS 150)	94.24	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0072	EA	Active Tag, DKS Proximity Tag (DKS 200)	122.85	
		Note: Battery powered tag to boost signal.		
28 16 11 00-0073		DKS, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0066)*		
28 16 11 00-0074	EA	Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small)	446.97	127.55
28 16 11 00-0075	EA	Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion)	446.97	127.55
28 16 11 00-0076	EA	Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang)	446.97	127.55
28 16 11 00-0077	EA	Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)	1,345.62	127.55
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0078		AWID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0079		AWID, Proximity Cards *(28 16 11 00-0078)*		
28 16 11 00-0080	EA	Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS)	8.08	
28 16 11 00-0081	EA	ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR)	12.62	
28 16 11 00-0082	EA	AWID Proximity Key Fob (AWID Prox-Linc KT)	13.46	
28 16 11 00-0083	EA	Windshield Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0084	EA	Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag	47.12	
28 16 11 00-0085		AWID, Proximity Card Readers, Wiegand Output Access Controls *(28 16 11 00-0078)*		
28 16 11 00-0086	EA	Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)	558.04	127.55
		Note: For mullion mounting.		
28 16 11 00-0087	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)	800.37	127.55
		Note: For mullion mounting.		
28 16 11 00-0088	EA	Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)	800.37	127.55
		Note: For single gang electrical box mounting.		
28 16 11 00-0089	EA	Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)	1,348.99	127.55
		Note: Includes 12 Volt DC regulated power supply.		
28 16 11 00-0090	EA	Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000)	7,932.37	127.55
		Note: Includes mounting bracket and 12 Volt DC regulated power supply.		
28 16 11 00-0091		HID, Proximity Card Controls, Wiegand Output Access Controls *(28 16 11 00-0065)*		
28 16 11 00-0092		HID, Proximity Cards *(28 16 11 00-0091)*		
28 16 11 00-0093	EA	Clamshell Type, HID Proximity Card (HID ProxCard II)	17.41	
28 16 11 00-0094	EA	ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II)	23.47	
28 16 11 00-0095	EA	HID Proximity Key Fob (HID ProxKey II)	24.14	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0096		**HID, Proximity Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0091)*		
28 16 11 00-0097	EA	Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus) Note: For mullion mounting. (HID P/N 6005).	508.89	127.55
28 16 11 00-0098	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II) Note: For single gang electrical box mounting. (HID P/N 5395).	611.43	127.55
28 16 11 00-0099	EA	Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx) Note: For mullion mounting. (HID P/N 5365).	688.33	127.55
28 16 11 00-0100	EA	EntryProx Single-Door Proximity Access Control Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	895.96	127.55
28 16 11 00-0101		**Contactless Smart Card Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0102		**HID, Contactless Smart Cards** *(28 16 11 00-0101)*		
28 16 11 00-0103	EA	2K Bits, Clamshell Type, HID iClass, Contactless Smart Card	14.81	
28 16 11 00-0104	EA	16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card	16.17	
28 16 11 00-0105	EA	16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card	21.16	
28 16 11 00-0106	EA	16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card Note: Battery powered tag to boost signal.	11.45	
28 16 11 00-0107		**HID, Contactless Smart Card Readers, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0108	EA	Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10) Note: For mullion mounting.	522.22	127.55
28 16 11 00-0109	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40) Note: For mullion mounting.	744.35	127.55
28 16 11 00-0110	EA	Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40) Note: For mullion mounting.	1,244.17	127.55
28 16 11 00-0111		**HID, Contactless Smart Card Programmer, Wiegand Output Access Controls** *(28 16 11 00-0101)*		
28 16 11 00-0112	EA	HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400) Note: For mullion mounting.	4,055.28	127.55
28 16 11 00-0113		**Call Station Controls, Wiegand Output Access Controls** *(28 16 11 00-0064)* Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0114	EA	Call Station With Entry Keypad, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,553.33	127.55
28 16 11 00-0115	EA	Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls Note: For mullion mounting.	1,282.87	127.55
28 16 11 00-0116		**Biometrics Readers, Wiegand Output Access Controls** *(28 16 11 00-0064)*		
28 16 11 00-0117	EA	Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls	6,991.42	102.05
28 16 11 00-0118	EA	CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls	8,551.09	102.05
28 16 11 00-0119	EA	Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls	3,339.12	102.05
28 16 11 00-0120	EA	Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass)	2,042.03	102.05
28 16 11 00-0121	EA	Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox)	2,280.04	102.05
28 16 11 00-0122	EA	Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart)	2,042.03	102.05
28 16 11 00-0123		**Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11)* Note: Includes mounting plate for access controls, baked on enamel finish and mounting bolt covers. Excludes concrete pads and electrical connections.		
28 16 11 00-0124		**2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0125	EA	44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 5" x 5" base plate.	478.24	46.20
28 16 11 00-0126	EA	73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	903.76	46.20
28 16 11 00-0127	EA	Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	434.96	46.20
28 16 11 00-0128		**4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0129	EA	59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate.	853.73	55.43
28 16 11 00-0130	EA	49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,012.40	55.43
28 16 11 00-0131	EA	Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	633.75	55.43
28 16 11 00-0132		**4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls** *(28 16 11 00-0123)*		
28 16 11 00-0133	EA	59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 11" x 13" base plate.	2,716.98	69.29
28 16 11 00-0134	EA	50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	2,843.19	69.29
28 16 11 00-0135	EA	Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,202.39	23.10
28 16 11 00-0136	EA	48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls	1,887.56	69.29
28 16 11 00-0137		**Access Control Accessories** *(28 16 11)*		
28 16 11 00-0138	EA	6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5)	646.17	
28 16 11 00-0139	EA	7 Amperes, 12 Volt, Battery	88.64	
28 16 11 00-0140	EA	18 Amperes, 12 Volt, Battery	197.57	
28 16 11 00-0141	EA	Door Personality Module (Sensormatic RM-4)	706.19	25.51
28 16 11 00-0142	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400)	270.61	51.02
28 16 11 00-0143	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C)	74.31	30.61
28 16 11 00-0144	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB)	796.99	20.41
28 16 11 00-0145	EA	Surge Suppressor (Tripp-Lite IBAR4)	119.16	5.11
28 16 11 00-0146	EA	Door Strike Relay (Altronix RBSN-TTL)	74.44	20.41
28 16 11 00-0147	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1) Note: Set in concrete.	446.32	
28 16 11 00-0148	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16)	652.92	127.55
28 16 11 00-0149		**Access Controllers** *(28 16 11)*		
28 16 11 00-0150		**Microterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0151	EA	Microterm Stand-Alone One Or Two Door Processing Panel (Continental Instruments CICP1100) Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.	1,792.64	127.55
28 16 11 00-0152	EA	Microterm PC Board (Continental Instruments CICP1100PCB)	1,317.46	76.53
28 16 11 00-0153	EA	Battery Standby For Microterm (Continental Instruments CICP1100BAT-2) Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.	639.91	
28 16 11 00-0154		**Miniterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0155	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICP1200) Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, temper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,848.22	127.55
28 16 11 00-0156	EA	Miniterm PC Board (Continental Instrument CICP1200PCB)	2,180.22	76.53
28 16 11 00-0157		**Super-2 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0158	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICP1300) Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.	2,089.31	127.55
28 16 11 00-0159	EA	Super-Two - PC Board (Continental Instruments CICP1300BD)	1,454.90	76.53
28 16 11 00-0160	EA	Network Interface Board For Super-2 (Continental Instruments CICP1300NETBD) Note: Optional on-board adapter allows for communication over TCP/IP.	380.39	76.53
28 16 11 00-0161		**Smarterm Controller** *(28 16 11 00-0149)*		
28 16 11 00-0162	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICP1400) Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.	6,048.37	153.07
28 16 11 00-0163	EA	Smarterm PC Board (Continental Instrument CICP1400PCB)	4,695.06	76.53
28 16 11 00-0164	EA	Smarterm Memory Board - 256K (Continental Instrument CICP1400MB256-1) Note: Up to 10,000 cardholders.	1,808.00	76.53
28 16 11 00-0165	EA	Smarterm Memory Board - 2MB (Continental Instrument CICP1400MB2-1) Note: Up to 50,000 cardholders.	2,583.48	76.53
28 16 11 00-0166	EA	Smarterm Relay Expander Board (Continental Instrument CICP1400RB) Note: 16 Output relays, 8 alarm inputs.	2,002.39	76.53
28 16 11 00-0167	EA	Smarterm Alarm Expander Board (Continental Instrument CICP1400RB) Note: (Supervised) 16 alarm inputs.	2,002.39	76.53
28 16 11 00-0168		**Superterm-4 Controller** *(28 16 11 00-0149)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0169	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400UL) Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,575.15	153.07
28 16 11 00-0170	EA	Superterm-4 PC Board (Continental Instrument CICP1400ULPCB)	4,615.51	76.53
28 16 11 00-0171		**Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0172	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800) Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	7,389.79	255.12
28 16 11 00-0173	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800EXP) Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.	8,036.01	255.12
28 16 11 00-0174	EA	Superterm-8 PC Board (Continental Instrument CICP1800PCB)	6,226.06	76.53
28 16 11 00-0175		**Turbo Superterm-4 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0176	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICP1400ULT) Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.	5,575.15	153.07
28 16 11 00-0177	EA	Turbo Superterm-4 PC Board (Continental Instrument CICP1400ULTPCB)	4,615.51	76.53
28 16 11 00-0178		**Turbo Superterm-8 Controller** *(28 16 11 00-0149)*		
28 16 11 00-0179	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICP1800T) Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	7,389.79	255.12
28 16 11 00-0180	EA	Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICP1800TEXP) Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,036.01	255.12
28 16 11 00-0181	EA	Turbo Superterm-8 PC Board (Continental Instrument CICP1800TPCB)	6,226.06	76.53
28 16 11 00-0182	EA	Superterm Memory Board - 2MB (Continental Instrument CICP1800MB2) Note: Up to 140,000 cardholders.	2,583.48	76.53
28 16 11 00-0183	EA	Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICP1800MB2X2) Note: Up to 140,000 cardholders.	2,169.88	76.53
28 16 11 00-0184	EA	Turbo Superterm-8 Relay Expander Board (Continental Instrument CICP1800RB) Note: 16 Output relays, 8 alarm inputs.	2,004.48	76.53
28 16 11 00-0185	EA	Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICP1800RB) Note: (Supervised) 16 Alarm inputs.	2,004.48	76.53
28 16 11 00-0186	EA	Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICPEXPPWS)	828.90	
28 16 11 00-0187		**Intelligent Controller** *(28 16 11 00-0149)*		
28 16 11 00-0188	EA	Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)	1,428.03	76.53
28 16 11 00-0189	EA	Up To 64 Doors, Access Controller (Mercury Security EP-1502)	2,443.93	127.55
28 16 11 00-0190		**Access Control Bundled System** *(28 16 11)*		
28 16 11 00-0191	EA	CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	40,824.42	
28 16 11 00-0192		**Magnetic Locks** *(28 16 11)* Note: Excludes access controls.		
28 16 11 00-0193		**Magnetic Door Locks** *(28 16 11 00-0192)*		
28 16 11 00-0194		**300 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0195	EA	Single Door, Surface Mount, 300 Lb. Magnetic Door Lock	633.23	102.05
28 16 11 00-0196		**600 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0197	EA	600 Lb., Single Door, Surface Mount, Magnetic Door Lock	930.74	102.05
		For LED Status Indicator And Signal Relay, Add	*90.83*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*181.66*	
		For Mortise Mount, Deduct	*-145.33*	
28 16 11 00-0198	EA	600 Lb., Dual Doors, Surface Mount, Magnetic Door Lock	1,419.37	102.05
		For LED Status Indicator And Signal Relay, Add	*151.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*303.82*	
28 16 11 00-0199		**1,200 Lb. Magnetic Door Locks** *(28 16 11 00-0193)*		
28 16 11 00-0200	EA	1,200 Lb., Single Door, Surface Mount, Magnetic Door Lock	975.82	102.05
		For LED Status Indicator And Signal Relay, Add	*177.50*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*231.52*	
28 16 11 00-0201	EA	Dual Doors, Surface Mount, 1,200 Lb. Magnetic Door Lock	1,516.74	102.05
		For LED Status Indicator And Signal Relay, Add	*301.91*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*393.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0202		2,000 Lb. Shear Lock, Magnetic And Mechanical Locks *(28 16 11 00-0193)*		
		Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0203	EA	Single Door, Mortise Mount, 2,000 Lb. Shear Lock, Magnetic And Mechanical Door Lock	1,024.50	102.05
28 16 11 00-0204		Magnetic Gate Locks *(28 16 11 00-0192)*		
28 16 11 00-0205		600 Lb. Magnetic Gate Locks *(28 16 11 00-0204)*		
28 16 11 00-0206	EA	600 Lb. Magnetic Gate Lock	752.23	102.05
28 16 11 00-0207		1,200 Lb. Magnetic Gate Locks *(28 16 11 00-0204)*		
28 16 11 00-0208	EA	1,200 Lb. Magnetic Gate Lock	916.31	102.05
		For LED Status Indicator And Signal Relay, Add	*89.03*	
		For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add	*178.05*	
		For Mortise Mount, Deduct	*-142.44*	
28 16 11 00-0209		Magnetic Lock Power Supply And Chargers *(28 16 11 00-0192)*		
		Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0210	EA	12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger	542.31	102.05
28 16 11 00-0211	EA	12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger	705.79	102.05
28 16 11 00-0212	EA	12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger	801.96	102.05
28 16 11 00-0213	EA	12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger	1,023.13	102.05
28 16 11 00-0214		Master Door Buzzer Stations *(28 16 11)*		
28 16 11 00-0215		Master Stations *(28 16 11 00-0214)*		
28 16 11 00-0216	EA	Master Stations, 5 Station Intercommunication Equipment	1,137.58	159.19
28 16 11 00-0217	EA	Master Stations, 10 Station Intercommunication Equipment	1,671.45	308.18
28 16 11 00-0218	EA	Master Station, Desk Style Remote Intercommunication Equipment	482.87	79.60
28 16 11 00-0219	EA	Master Station, Flush Wall Remote Intercommunication Equipment	600.81	132.66
28 16 11 00-0220	EA	Sound System Outlet, Protector	144.41	51.95
28 16 11 00-0221	EA	Sound System Microphone Outlet	244.11	106.33
28 16 11 00-0222	EA	Ceiling Or Wall, Sound System Speaker	202.94	51.95
28 16 11 00-0223	EA	Sound System Monitor Panel	617.94	106.33
28 16 11 00-0224	EA	Sound System Volume Control	171.40	51.95
28 16 11 00-0225	EA	250 Watt, Sound System Amplifier	2,895.59	425.23
28 16 11 00-0226	EA	Sound System Cabinet	1,593.50	425.23
28 16 11 00-0227		Master Door Stations *(28 16 11 00-0214)*		
28 16 11 00-0228	EA	Master Door Stations, Button Buzzer Type, 25 Station	2,277.19	
		For Intercom Type Master Door Station, Add	*224.87*	
28 16 11 00-0229	EA	Master Door Stations, Button Buzzer Type, 50 Station	3,765.43	
		For Intercom Type Master Door Station, Add	*364.28*	
28 16 11 00-0230	EA	Master Door Stations, Button Buzzer Type, 75 Station	5,147.11	
		For Intercom Type Master Door Station, Add	*472.22*	
28 16 11 00-0231	EA	Master Door Stations, Button Buzzer Type, 100 Station	5,893.35	
		For Intercom Type Master Door Station, Add	*553.17*	
28 16 11 00-0232	EA	Master Door Stations, Button Buzzer Type, 150 Station	7,254.02	
		For Intercom Type Master Door Station, Add	*809.51*	
28 16 11 00-0233	EA	Master Door Stations, Button Buzzer Type, 200 Station	8,580.23	
		For Intercom Type Master Door Station, Add	*1,043.37*	
28 16 11 00-0234	EA	Master Door Stations, Button Buzzer Type, 250 Station	10,827.72	
		For Intercom Type Master Door Station, Add	*1,349.19*	
28 16 11 00-0235	EA	Master Door Stations, Button Buzzer Type, 300 Station	12,887.69	
		For Intercom Type Master Door Station, Add	*1,547.07*	
28 16 11 00-0236	EA	Transformer	160.51	
28 16 11 00-0237	EA	Door Opener	236.99	
28 16 11 00-0238	EA	Buzzer With Door Release And Plate	288.05	
28 16 11 00-0239	EA	Amplifier For Intercom Type Unit	508.87	
28 16 11 00-0240	EA	Speaker With Door Release	209.24	

28 18 Security Access Detection Equipment *(28 10)*

28 18 11 Security Access Metal Detectors *(28 18)*

28 18 11 00-0001		Metal Detectors *(28 18 11)*		
28 18 11 00-0002	EA	Handheld Scanner (Garrett Super Scanner V)	275.65	25.51
28 18 11 00-0003	EA	Single-Zone, Walk-Through Metal Detector, Complete Unit (Garrett CS 5000)	4,506.32	306.14
28 18 11 00-0004	EA	Multi-Zone, Walk-Through Metal Detector, Complete Unit (Garrett PD 6500I)	6,991.94	408.18

28 20 Video Surveillance *(28)*

Note: Includes testing of new devices and certification.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 Surveillance Cameras *(28 20)*				
28 21 31 Proprietary Surveillance Camera Systems *(28 21)*		Note: Includes programming of equipment, testing and certification of new devices.		
28 21 31 00-0001		Closed Circuit Television And Surveillance Systems (Pelco) *(28 21 31)*		
28 21 31 00-0002		Cameras And Accessories *(28 21 31 00-0001)*		
28 21 31 00-0003		Cameras *(28 21 31 00-0002)*		
28 21 31 00-0004		Compact, 1/3" Format Cameras *(28 21 31 00-0003)*		
28 21 31 00-0005		High Resolution Color, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0006	EA	High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6)	680.49	25.56
28 21 31 00-0007		Day/Night, Compact, 1/3" Format Cameras *(28 21 31 00-0004)*		
28 21 31 00-0008	EA	High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6)	395.04	25.56
28 21 31 00-0009		Camerapaks *(28 21 31 00-0002)* Note: Includes camera and lens.		
28 21 31 00-0010		Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0011		High Resolution Color, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0012		Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0013		Manual Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0014	EA	2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3)	518.85	25.56
28 21 31 00-0015	EA	2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8)	486.75	25.56
28 21 31 00-0016	EA	4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4)	471.85	25.56
28 21 31 00-0017	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8)	468.41	25.56
28 21 31 00-0018		Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks *(28 21 31 00-0012)*		
28 21 31 00-0019	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)	567.00	25.56
28 21 31 00-0020	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)	518.85	25.56
28 21 31 00-0021	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)	507.39	25.56
28 21 31 00-0022	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)	498.22	25.56
28 21 31 00-0023		Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0011)*		
28 21 31 00-0024		Manual Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0025	EA	1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1)	614.00	25.56
28 21 31 00-0026	EA	2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2)	552.10	25.56
28 21 31 00-0027	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21)	501.66	25.56
28 21 31 00-0028	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3)	481.02	25.56
28 21 31 00-0029	EA	5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5)	557.83	25.56
28 21 31 00-0030		Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0031	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)	664.44	25.56
28 21 31 00-0032	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)	622.03	25.56
28 21 31 00-0033	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)	549.80	25.56
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A)	489.04	25.56
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A)	581.90	25.56
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A)	659.86	25.56
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A)	759.60	25.56
28 21 31 00-0038		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks *(28 21 31 00-0023)*		
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A)	515.41	25.56
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A)	619.73	25.56
28 21 31 00-0041		High Resolution Day/Night, Camerapaks *(28 21 31 00-0010)*		
28 21 31 00-0042		Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0041)*		
28 21 31 00-0043		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A)	1,059.95	25.56
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A)	987.73	25.56
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A)	926.97	25.56
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A)	1,019.83	25.56
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A)	1,097.78	25.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A)	1,196.37	25.56
28 21 31 00-0050		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks *(28 21 31 00-0042)*		
28 21 31 00-0051	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A)	953.34	25.56
28 21 31 00-0052	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A)	1,057.66	25.56
28 21 31 00-0053		Compact Camerapaks *(28 21 31 00-0009)*		
28 21 31 00-0054		High Resolution Color, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0055		DSS, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0056		Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0057		Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0058	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3)	818.06	25.56
28 21 31 00-0059	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8)	785.96	25.56
28 21 31 00-0060	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4)	769.91	25.56
28 21 31 00-0061	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8)	766.47	25.56
28 21 31 00-0062		Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0056)*		
28 21 31 00-0063	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A)	865.06	25.56
28 21 31 00-0064	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A)	818.06	25.56
28 21 31 00-0065	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A)	806.60	25.56
28 21 31 00-0066	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A)	797.43	25.56
28 21 31 00-0067		Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0055)*		
28 21 31 00-0068		Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0069	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1)	913.21	25.56
28 21 31 00-0070	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2)	850.16	25.56
28 21 31 00-0071	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21)	800.87	25.56
28 21 31 00-0072	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3)	780.23	25.56
28 21 31 00-0073	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5)	855.89	25.56
28 21 31 00-0074	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50)	905.19	25.56
28 21 31 00-0075	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55)	1,022.12	25.56
28 21 31 00-0076		Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0077	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A)	962.51	25.56
28 21 31 00-0078	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A)	921.24	25.56
28 21 31 00-0079	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A)	849.01	25.56
28 21 31 00-0080	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A)	787.11	25.56
28 21 31 00-0081	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A)	881.11	25.56
28 21 31 00-0082	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A)	959.07	25.56
28 21 31 00-0083	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A)	1,057.66	25.56
28 21 31 00-0084		Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks *(28 21 31 00-0067)*		
28 21 31 00-0085	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A)	814.62	25.56
28 21 31 00-0086	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A)	918.94	25.56
28 21 31 00-0087		EDR, High Resolution Color, Compact Camerapaks *(28 21 31 00-0054)*		
28 21 31 00-0088		Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0089		Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0090	EA	2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3)	818.06	25.56
28 21 31 00-0091	EA	2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8)	607.12	25.56
28 21 31 00-0092	EA	4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4)	591.07	25.56
28 21 31 00-0093	EA	8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8)	587.64	25.56
28 21 31 00-0094		Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0088)*		
28 21 31 00-0095	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A)	686.23	25.56
28 21 31 00-0096	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A)	639.22	25.56
28 21 31 00-0097	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A)	627.76	25.56

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0098	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A)	627.76	25.56
28 21 31 00-0099		Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0087)*		
28 21 31 00-0100		Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0101	EA	1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1)	734.37	25.56
28 21 31 00-0102	EA	2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2)	671.32	25.56
28 21 31 00-0103	EA	2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21)	622.03	25.56
28 21 31 00-0104	EA	3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3)	601.39	25.56
28 21 31 00-0105	EA	5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5)	677.05	25.56
28 21 31 00-0106	EA	5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50)	726.35	25.56
28 21 31 00-0107	EA	5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55)	843.28	25.56
28 21 31 00-0108		Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0109	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A)	783.67	25.56
28 21 31 00-0110	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A)	742.40	25.56
28 21 31 00-0111	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A)	669.03	25.56
28 21 31 00-0112	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A)	608.27	25.56
28 21 31 00-0113	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A)	702.28	25.56
28 21 31 00-0114	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A)	780.23	25.56
28 21 31 00-0115	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A)	878.82	25.56
28 21 31 00-0116		Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks *(28 21 31 00-0099)*		
28 21 31 00-0117	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A)	635.78	25.56
28 21 31 00-0118	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A)	740.11	25.56
28 21 31 00-0119		High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0053)*		
28 21 31 00-0120		Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0121		Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0122	EA	8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8)	753.86	25.56
28 21 31 00-0123		DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0120)*		
28 21 31 00-0124	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A)	852.45	25.56
28 21 31 00-0125	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A)	804.30	25.56
28 21 31 00-0126		Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0119)*		
28 21 31 00-0127		Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0128	EA	2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21)	787.11	25.56
28 21 31 00-0129	EA	3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3)	766.47	25.56
28 21 31 00-0130	EA	5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50)	892.58	25.56
28 21 31 00-0131		Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0132	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A)	907.48	25.56
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A)	835.26	25.56
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A)	774.50	25.56
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A)	867.36	25.56
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A)	945.31	25.56
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A)	1,045.05	25.56
28 21 31 00-0138		Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks *(28 21 31 00-0126)*		
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A)	800.87	25.56
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A)	905.19	25.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0141		Camera Systems *(28 21 31 00-0002)*		
28 21 31 00-0142		Camera Dome Systems *(28 21 31 00-0141)*		
28 21 31 00-0143		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0142)*		
28 21 31 00-0144		Spectra®, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0145		Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0146		Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB)	3,319.48	153.37
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F)	3,789.50	153.37
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB)	4,000.44	153.37
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E)	5,577.89	153.37
28 21 31 00-0151		Color, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB)	2,786.40	153.37
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F)	3,023.71	153.37
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB)	3,235.79	153.37
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E)	3,357.31	153.37
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E)	3,357.31	153.37
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB)	3,521.25	153.37
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F)	3,992.42	153.37
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB)	4,204.50	153.37
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E)	4,326.02	153.37
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E)	4,326.02	153.37
28 21 31 00-0162		Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB)	4,109.35	153.37
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F)	4,580.52	153.37
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB)	4,792.60	153.37
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E)	4,914.12	153.37
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E)	4,914.12	153.37
28 21 31 00-0168		Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0145)*		
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB)	3,724.16	153.37
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F)	3,962.61	153.37
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB)	4,173.55	153.37
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E)	4,295.07	153.37
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E)	4,295.07	153.37
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB)	4,495.69	153.37
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F)	4,870.56	153.37
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB)	5,081.50	153.37
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E)	5,203.01	153.37
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E)	5,203.01	153.37
28 21 31 00-0179		Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0180		Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0179)*		
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF)	3,642.76	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP)	3,846.82	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE)	4,009.61	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF)	4,540.40	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0185	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP)	4,744.45	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0186	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE)	4,908.39	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0187		Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0179)*		
28 21 31 00-0188	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF)	4,580.52	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0189	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP)	4,784.58	153.37
		For Protective Lower Dome Cage, Add	*34.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0190	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE)	4,948.51	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0191	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF)	5,418.54	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0192	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP)	5,621.45	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0193	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE)	5,785.39	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0194		Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0195		Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0194)*		
28 21 31 00-0196	EA	18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE)	6,085.74	153.37
28 21 31 00-0197	EA	35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE)	6,923.76	153.37
28 21 31 00-0198		Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0199		Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0200	EA	22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE)	5,280.97	153.37
28 21 31 00-0201		Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0202	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE)	4,586.25	153.37
28 21 31 00-0203	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE)	5,485.03	153.37
28 21 31 00-0204		Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0205	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE)	6,073.13	153.37
28 21 31 00-0206		Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems *(28 21 31 00-0198)*		
28 21 31 00-0207	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE)	5,525.15	153.37
28 21 31 00-0208	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE)	6,362.02	153.37
28 21 31 00-0209		Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0144)*		
28 21 31 00-0210		Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0209)*		
28 21 31 00-0211	EA	10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B)	2,068.76	153.37
28 21 31 00-0212		Spectra® IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0143)* Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
28 21 31 00-0213		Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0214		Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0215	EA	16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F)	3,880.07	153.37
28 21 31 00-0216	EA	16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB)	4,092.15	153.37
28 21 31 00-0217	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E)	4,213.67	153.37
28 21 31 00-0218	EA	16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E)	4,213.67	153.37
28 21 31 00-0219	EA	22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1)	4,848.78	153.37
28 21 31 00-0220	EA	22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1)	5,060.86	153.37
28 21 31 00-0221	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1)	5,182.38	153.37
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1)	5,182.38	153.37
28 21 31 00-0223		Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0213)*		
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1)	5,436.88	153.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1)	5,648.96	153.37
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1)	5,770.48	153.37
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1)	5,770.48	153.37
28 21 31 00-0228		Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0229		Color, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0228)*		
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1)	4,499.12	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1)	4,703.18	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1)	4,865.97	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1)	5,396.76	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1)	5,600.82	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1)	5,764.75	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0236		Day/Night, Heavy-Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0228)*		
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1)	5,436.88	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1)	5,640.94	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1)	5,804.87	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0240	EA	35X, In-Ceiling Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1)	6,274.90	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0241	EA	35X, Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1)	6,477.81	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0242	EA	35X, Environmental Pendant Mount, Day/Night, Heavy-Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1)	6,641.75	153.37
		For Protective Lower Dome Cage, Add	*34.65*	
28 21 31 00-0243		Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0244		Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1)	5,442.61	153.37
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1)	6,341.39	153.37
28 21 31 00-0247		Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	6,929.49	153.37
28 21 31 00-0249		Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems *(28 21 31 00-0243)*		
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1)	6,381.51	153.37
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1)	7,218.39	153.37
28 21 31 00-0252		Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems *(28 21 31 00-0212)*		
28 21 31 00-0253		Color, Miniature Spectra® IP Network, Mini Camera Dome Systems *(28 21 31 00-0252)*		
28 21 31 00-0254	EA	10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1)	2,621.32	153.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0255		**Spectra®, Pan/Tilt Dome Drives** *(28 21 31 00-0143)*		
		Note: Includes dome drive, camera and lens.		
28 21 31 00-0256	EA	10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4)	1,931.65	127.80
28 21 31 00-0257	EA	10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N)	2,481.92	127.80
28 21 31 00-0258	EA	22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22)	3,161.73	127.80
28 21 31 00-0259	EA	16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16)	2,467.02	127.80
28 21 31 00-0260	EA	22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22)	3,364.65	127.80
28 21 31 00-0261	EA	18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18)	3,404.77	127.80
28 21 31 00-0262	EA	23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23)	3,952.75	127.80
28 21 31 00-0263	EA	35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35)	4,242.79	127.80
28 21 31 00-0264	EA	35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35)	4,242.79	127.80
28 21 31 00-0265		**Accessories For Spectra® Pan/Tilt Camera Dome Systems** *(28 21 31 00-0143)*		
28 21 31 00-0266	EA	Upgrade To Chrome Lower Dome (Pelco Spectra)	161.64	
28 21 31 00-0267	EA	Upgrade To Gold Lower Dome (Pelco Spectra)	210.94	
28 21 31 00-0268	EA	Wall Mount For Spectra® Systems (Pelco IWM-BK)	167.71	12.78
28 21 31 00-0269	EA	24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK)	434.82	12.78
28 21 31 00-0270	EA	Wall Arm Mount For Spectra® Systems (Pelco IDM4018)	163.13	12.78
28 21 31 00-0271	EA	Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS)	297.84	12.78
28 21 31 00-0272	EA	Pole Mount Adapter For Spectra® Systems (Pelco PA402)	105.97	7.60
28 21 31 00-0273		**Camclosure®, Camera Dome Systems** *(28 21 31 00-0142)*		
28 21 31 00-0274		**Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0273)*		
28 21 31 00-0275		**Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0274)*		
28 21 31 00-0276		**High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0277	EA	12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12)	713.71	153.37
28 21 31 00-0278	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22)	782.50	153.37
28 21 31 00-0279	EA	12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12)	879.94	153.37
28 21 31 00-0280	EA	12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12)	879.94	153.37
28 21 31 00-0281		**Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0282	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22)	892.55	153.37
28 21 31 00-0283	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22)	981.97	153.37
28 21 31 00-0284	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22)	981.97	153.37
28 21 31 00-0285		**Day/Night, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0286	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22)	1,037.00	153.37
28 21 31 00-0287	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22)	1,258.25	153.37
28 21 31 00-0288	EA	9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22)	1,258.25	153.37
28 21 31 00-0289		**Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems** *(28 21 31 00-0275)*		
28 21 31 00-0290	EA	9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22)	1,142.47	153.37
28 21 31 00-0291	EA	9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22)	1,284.62	153.37
28 21 31 00-0292		**Camclosure® IS Integrated, Bullet Style Camera Systems** *(28 21 31 00-0274)*		
28 21 31 00-0293		**High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems** *(28 21 31 00-0292)*		
28 21 31 00-0294	EA	3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6)	828.13	102.25
28 21 31 00-0295		**Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems** *(28 21 31 00-0292)*		
28 21 31 00-0296	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22)	957.67	102.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0297		Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22)	1,060.85	102.25
28 21 31 00-0299		Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems *(28 21 31 00-0292)*		
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22)	1,112.44	102.25
28 21 31 00-0301		Camclosure® IS Integrated Cameras *(28 21 31 00-0274)*		
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12)	564.46	102.25
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22)	564.46	102.25
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22)	666.49	102.25
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22)	942.77	102.25
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22)	969.14	102.25
28 21 31 00-0307		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0308		Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0307)*		
28 21 31 00-0309		Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12)	600.22	153.37
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T)	649.51	153.37
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12)	846.69	153.37
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12)	846.69	153.37
28 21 31 00-0314		High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems *(28 21 31 00-0308)*		
28 21 31 00-0315	EA	3–9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A)	1,067.95	153.37
28 21 31 00-0316		Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0317		Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems *(28 21 31 00-0316)*		
28 21 31 00-0318	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12)	744.44	102.25
28 21 31 00-0319		Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0307)*		
28 21 31 00-0320		High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0321	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22)	981.97	153.37
28 21 31 00-0322		Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0323	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22)	1,085.15	153.37
28 21 31 00-0324		Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0325	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22)	1,214.69	153.37
28 21 31 00-0326		Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems *(28 21 31 00-0319)*		
28 21 31 00-0327	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22)	1,266.28	153.37
28 21 31 00-0328		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0273)*		
28 21 31 00-0329		Camclosure® IP Network, Camera Dome Systems *(28 21 31 00-0328)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0330		**High Resolution Color, Camclosure® IP Network, Camera Dome Systems** *(28 21 31 00-0329)*		
28 21 31 00-0331	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9)	1,834.89	153.37
28 21 31 00-0332	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22)	1,834.89	153.37
28 21 31 00-0333		**Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems** *(28 21 31 00-0329)*		
28 21 31 00-0334	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9)	1,977.04	153.37
28 21 31 00-0335	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22)	1,977.04	153.37
28 21 31 00-0336		**Day/Night, Camclosure® IP Network, Camera Dome Systems** *(28 21 31 00-0329)*		
28 21 31 00-0337	EA	3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9)	2,196.01	153.37
28 21 31 00-0338	EA	9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22)	2,196.01	153.37
28 21 31 00-0339		**Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems** *(28 21 31 00-0329)*		
28 21 31 00-0340	EA	3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9)	2,350.77	153.37
28 21 31 00-0341	EA	9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22)	2,350.77	153.37
28 21 31 00-0342		**Accessories For Camclosure® Camera Dome Systems** *(28 21 31 00-0273)*		
28 21 31 00-0343	EA	4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP)	35.98	7.66
28 21 31 00-0344	EA	4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP)	35.98	7.66
28 21 31 00-0345	EA	Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS)	46.20	12.78
28 21 31 00-0346	EA	Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND)	78.29	12.78
28 21 31 00-0347	EA	2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P)	84.12	7.66
28 21 31 00-0348	EA	Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG)	78.29	12.78
28 21 31 00-0349	EA	Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM)	101.22	12.78
28 21 31 00-0350	EA	Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A)	275.81	25.56
28 21 31 00-0351	EA	Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A)	275.81	25.56
28 21 31 00-0352	EA	Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A)	275.81	25.56
28 21 31 00-0353	EA	Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A)	275.81	25.56
28 21 31 00-0354	EA	Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P)	95.49	12.78
28 21 31 00-0355	EA	Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD)	102.71	25.56
28 21 31 00-0356	EA	Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD)	102.71	25.56
28 21 31 00-0357	EA	Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD)	102.71	25.56
28 21 31 00-0358	EA	Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD)	102.71	25.56
28 21 31 00-0359	EA	Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD)	102.71	25.56
28 21 31 00-0360	EA	Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD)	102.71	25.56
28 21 31 00-0361	EA	Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC)	301.29	34.91
28 21 31 00-0362	EA	Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P)	65.68	12.78
28 21 31 00-0363	EA	Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW)	117.27	12.78
28 21 31 00-0364	EA	White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P)	65.68	12.78
28 21 31 00-0365	EA	White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW)	117.27	12.78
28 21 31 00-0366	EA	Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC)	1,705.35	153.37
28 21 31 00-0367		**Pan/Tilt Camera Systems** *(28 21 31 00-0141)*		
28 21 31 00-0368		**Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0367)* Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369		**EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0368)*		
28 21 31 00-0370		**Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems** *(28 21 31 00-0369)*		
28 21 31 00-0371	EA	10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N)	4,945.96	230.05
28 21 31 00-0372	EA	20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N)	5,634.95	230.05
28 21 31 00-0373	EA	30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N)	6,589.90	230.05
28 21 31 00-0374	EA	10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN)	5,093.85	230.05
28 21 31 00-0375	EA	20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN)	5,813.79	230.05
28 21 31 00-0376	EA	30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN)	6,768.74	230.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0377		Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems *(28 21 31 00-0369)*		
28 21 31 00-0378	EA	10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W)	4,992.97	230.05
28 21 31 00-0379	EA	20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W)	5,681.95	230.05
28 21 31 00-0380	EA	30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W)	6,636.90	230.05
28 21 31 00-0381	EA	10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW)	5,142.00	230.05
28 21 31 00-0382	EA	20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW)	5,860.79	230.05
28 21 31 00-0383	EA	30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW)	6,815.74	230.05
28 21 31 00-0384		Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0385		DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0384)*		
28 21 31 00-0386		Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0387	EA	10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N)	5,124.80	230.05
28 21 31 00-0388	EA	20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N)	5,813.79	230.05
28 21 31 00-0389	EA	30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N)	6,768.74	230.05
28 21 31 00-0390	EA	10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN)	5,272.69	230.05
28 21 31 00-0391	EA	20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN)	5,992.63	230.05
28 21 31 00-0392	EA	30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN)	6,947.58	230.05
28 21 31 00-0393		Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems *(28 21 31 00-0385)*		
28 21 31 00-0394	EA	10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W)	5,171.80	230.05
28 21 31 00-0395	EA	20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W)	5,860.79	230.05
28 21 31 00-0396	EA	30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W)	6,815.74	230.05
28 21 31 00-0397	EA	10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW)	5,320.84	230.05
28 21 31 00-0398	EA	20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW)	6,039.63	230.05
28 21 31 00-0399	EA	30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW)	6,994.58	230.05
28 21 31 00-0400		Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0401		High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0400)*		
28 21 31 00-0402		Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0403	EA	6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N)	4,825.59	230.05
28 21 31 00-0404	EA	5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N)	5,514.58	230.05
28 21 31 00-0405	EA	5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N)	6,469.53	230.05
28 21 31 00-0406	EA	6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN)	4,974.62	230.05
28 21 31 00-0407	EA	5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN)	5,693.42	230.05
28 21 31 00-0408	EA	5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN)	6,648.37	230.05
28 21 31 00-0409		Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems *(28 21 31 00-0401)*		
28 21 31 00-0410	EA	6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	4,873.74	230.05
28 21 31 00-0411	EA	5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W)	5,561.58	230.05
28 21 31 00-0412	EA	5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W)	6,517.68	230.05
28 21 31 00-0413	EA	6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW)	4,906.99	230.05
28 21 31 00-0414	EA	6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W)	5,021.63	230.05
28 21 31 00-0415	EA	5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW)	5,740.42	230.05
28 21 31 00-0416	EA	5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW)	6,696.52	230.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0417		Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0418		Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0417)*		
28 21 31 00-0419		Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0420	EA	5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N)	5,800.03	230.05
28 21 31 00-0421	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N)	6,754.98	230.05
28 21 31 00-0422	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN)	5,260.08	230.05
28 21 31 00-0423	EA	5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN)	5,978.87	230.05
28 21 31 00-0424	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN)	6,933.82	230.05
28 21 31 00-0425		Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems *(28 21 31 00-0418)*		
28 21 31 00-0426	EA	6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W)	5,159.19	230.05
28 21 31 00-0427	EA	5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W)	5,847.03	230.05
28 21 31 00-0428	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W)	6,803.13	230.05
28 21 31 00-0429	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW)	5,307.08	230.05
28 21 31 00-0430	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW)	6,025.87	230.05
28 21 31 00-0431	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW)	6,981.97	230.05
28 21 31 00-0432		Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0433		Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0432)*		
28 21 31 00-0434		Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0435	EA	5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N)	6,907.45	230.05
28 21 31 00-0436	EA	6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN)	5,411.40	230.05
28 21 31 00-0437	EA	5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN)	7,086.29	230.05
28 21 31 00-0438		Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems *(28 21 31 00-0433)*		
28 21 31 00-0439	EA	6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W)	5,310.52	230.05
28 21 31 00-0440	EA	5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W)	6,955.60	230.05
28 21 31 00-0441	EA	6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW)	5,459.55	230.05
28 21 31 00-0442	EA	5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW)	6,178.34	230.05
28 21 31 00-0443	EA	5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW)	7,134.44	230.05
28 21 31 00-0444		Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0445		Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0446		Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0447	EA	16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N)	5,790.86	230.05
28 21 31 00-0448		Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0445)*		
28 21 31 00-0449	EA	16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W)	5,837.86	230.05
28 21 31 00-0450		High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0444)*		
28 21 31 00-0451		Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0452	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N)	6,907.45	230.05
28 21 31 00-0453	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N)	6,673.59	230.05
28 21 31 00-0454	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N)	7,607.90	230.05
28 21 31 00-0455		Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems *(28 21 31 00-0450)*		
28 21 31 00-0456	EA	22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W)	6,953.31	230.05
28 21 31 00-0457	EA	24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W)	6,673.59	230.05
28 21 31 00-0458	EA	35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W)	7,659.49	230.05

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0459		Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0460		High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0459)*		
28 21 31 00-0461		Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0462	EA	16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N)	4,416.33	230.05
28 21 31 00-0463	EA	22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N)	5,534.07	230.05
28 21 31 00-0464	EA	24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N)	5,303.64	230.05
28 21 31 00-0465	EA	35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N)	6,031.60	230.05
28 21 31 00-0466		Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems *(28 21 31 00-0460)*		
28 21 31 00-0467	EA	16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W)	4,462.18	230.05
28 21 31 00-0468	EA	22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W)	5,581.07	230.05
28 21 31 00-0469	EA	24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W)	5,350.64	230.05
28 21 31 00-0470	EA	35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W)	6,083.19	230.05
28 21 31 00-0471		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0471)*		
28 21 31 00-0473		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,242.76	230.05
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,458.76	230.05
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,202.77	230.05
28 21 31 00-0477		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems *(28 21 31 00-0472)*		
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,290.91	230.05
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,505.76	230.05
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,249.77	230.05
28 21 31 00-0481		Accessories For Esprit® Pan/Tilt Camera Systems *(28 21 31 00-0367)*		
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	11.19	2.55
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	65.68	12.78
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	106.95	12.78
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	137.91	12.78
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	381.54	34.91
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	553.05	34.91
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	465.23	34.91
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	647.69	34.91
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	350.59	34.91
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	943.22	34.91
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,543.99	34.91
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,843.20	34.91
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,910.84	34.91
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,017.45	34.91
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,464.01	34.92
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,493.66	34.91
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,522.12	34.91
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,413.90	34.91
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,592.74	34.91
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	106.77	8.22
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	106.77	8.22
28 21 31 00-0503		Camera Lenses *(28 21 31 00-0002)*		
28 21 31 00-0504		Fixed Focus Camera Lenses *(28 21 31 00-0503)* Note: 1/3" format and manual focus.		
28 21 31 00-0505		Manual Iris, Fixed Focus Camera Lenses *(28 21 31 00-0504)*		
28 21 31 00-0506	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	171.80	11.99
28 21 31 00-0507	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	139.70	11.99
28 21 31 00-0508	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	123.65	11.99
28 21 31 00-0509	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	120.21	11.99
28 21 31 00-0510		Direct Drive Auto Iris, Fixed Focus Camera Lenses *(28 21 31 00-0504)* Note: Includes spot filter. Excludes amplifier.		
28 21 31 00-0511	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	218.80	11.99
28 21 31 00-0512	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	171.80	11.99
28 21 31 00-0513	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	160.34	11.99
28 21 31 00-0514	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	109.90	11.99

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0515		**Video Drive Auto Iris, Fixed Focus Camera Lenses** *(28 21 31 00-0504)*		
		Note: Includes LDC100 adapter to convert DC auto iris to video drive.		
28 21 31 00-0516	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	261.22	11.99
28 21 31 00-0517	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	213.07	11.99
28 21 31 00-0518	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	201.61	11.99
28 21 31 00-0519	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	192.44	11.99
28 21 31 00-0520		**Varifocal Camera Lenses** *(28 21 31 00-0503)*		
		Note: 1/3" format and manual focus and zoom.		
28 21 31 00-0521		**Manual Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0522	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	233.94	11.99
28 21 31 00-0523	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	203.90	11.99
28 21 31 00-0524	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	154.61	11.99
28 21 31 00-0525	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	133.97	11.99
28 21 31 00-0526	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	375.86	11.99
28 21 31 00-0527	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	179.15	11.99
28 21 31 00-0528	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	191.60	11.99
28 21 31 00-0529		**Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
		Note: Includes spot filter.		
28 21 31 00-0530	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	229.79	11.99
28 21 31 00-0531	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	201.56	11.99
28 21 31 00-0532	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12)	151.76	11.99
28 21 31 00-0533	EA	3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8)	110.25	11.99
28 21 31 00-0534	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5)	411.40	11.99
28 21 31 00-0535	EA	5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50)	227.30	11.99
28 21 31 00-0536		**Video Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
		Note: Includes spot filter.		
28 21 31 00-0537	EA	1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S)	358.66	11.99
28 21 31 00-0538	EA	2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S)	316.25	11.99
28 21 31 00-0539	EA	3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S)	183.27	11.99
28 21 31 00-0540	EA	5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S)	354.08	11.99
28 21 31 00-0541		**Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses** *(28 21 31 00-0520)*		
28 21 31 00-0542	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5)	129.34	11.99
28 21 31 00-0543	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50)	199.90	11.99
28 21 31 00-0544		**Motorized Zoom Camera Lenses** *(28 21 31 00-0503)*		
		Note: 1/3" format.		
28 21 31 00-0545		**Manual Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
28 21 31 00-0546	EA	8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8)	664.75	11.99
28 21 31 00-0547	EA	10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10)	834.42	11.99
28 21 31 00-0548	EA	15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15)	890.59	11.99
28 21 31 00-0549		**Direct Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
		Note: Includes spot filter.		
28 21 31 00-0550	EA	6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8)	549.39	11.99
28 21 31 00-0551	EA	10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10)	636.55	11.99
28 21 31 00-0552	EA	15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15)	985.75	11.99
28 21 31 00-0553	EA	20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20)	1,099.76	11.99
28 21 31 00-0554	EA	30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30)	2,193.05	11.99
28 21 31 00-0555		**Video Drive Auto Iris, Motorized Zoom Camera Lenses** *(28 21 31 00-0544)*		
		Note: Includes spot filter.		
28 21 31 00-0556	EA	8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S)	681.95	11.99
28 21 31 00-0557	EA	10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S)	814.93	11.99
28 21 31 00-0558	EA	15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S)	1,028.16	11.99
28 21 31 00-0559	EA	20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S)	1,503.92	11.99
28 21 31 00-0560	EA	30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S)	2,458.87	11.99
28 21 31 00-0561		**Camera Power Supplies** *(28 21 31 00-0002)*		
28 21 31 00-0562	EA	20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000)	41.09	10.23
28 21 31 00-0563	EA	50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000)	75.48	10.23
28 21 31 00-0564	EA	2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2)	310.69	20.45
28 21 31 00-0565	EA	5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5)	356.05	30.67
28 21 31 00-0566	EA	10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10)	398.90	40.90
		For Switchable Outputs, Add	*190.27*	
28 21 31 00-0567	EA	20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20)	444.26	51.12
		For Switchable Outputs, Add	*205.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0568		Camera Illuminators *(28 21 31 00-0002)*		
28 21 31 00-0569		Camera Illuminators *(28 21 31 00-0568)*		
		Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA	Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF)	1,797.18	20.45
28 21 31 00-0571	EA	Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS)	1,797.18	20.45
28 21 31 00-0572	EA	Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF)	1,797.18	20.45
28 21 31 00-0573		Camera Illuminator Accessories *(28 21 31 00-0568)*		
28 21 31 00-0574	EA	Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56)	138.34	20.45
28 21 31 00-0575		Camera Receivers *(28 21 31 00-0002)*		
28 21 31 00-0576	EA	24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP)	1,713.66	34.91
28 21 31 00-0577	EA	120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP)	1,713.66	34.91
28 21 31 00-0578		Pan And Tilt Drives *(28 21 31 00-0002)*		
28 21 31 00-0579	EA	15 Lb. Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P)	1,200.03	76.68
28 21 31 00-0580	EA	40 Lb. Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P)	1,534.78	76.68
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0581	EA	100 Lb. Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P)	3,291.07	76.68
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0582	EA	100 Lb. Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC)	3,766.82	76.68
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0583	EA	100 Lb. Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL)	4,365.24	76.68
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0584	EA	100 Lb. Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)	5,637.75	76.68
		For Preset Positioning, Add	*165.00*	
28 21 31 00-0585		Scanners *(28 21 31 00-0002)*		
28 21 31 00-0586	EA	35 Lb. Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)	1,375.43	76.68
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0587	EA	35 Lb. Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)	1,447.66	76.68
		For Wall Mount, Add	*39.05*	
		For Pressure Sensor Alarm, Add	*51.15*	
28 21 31 00-0588		Camera Monitors *(28 21 31 00-0001)*		
28 21 31 00-0589		Camera Monitors *(28 21 31 00-0588)*		
28 21 31 00-0590		Monochrome Camera Monitors *(28 21 31 00-0589)*		
28 21 31 00-0591	EA	9" Monochrome Camera Monitor (Pelco PMM9A)	267.97	15.34
28 21 31 00-0592	EA	12" Monochrome Camera Monitor (Pelco PMM12A)	308.10	15.34
28 21 31 00-0593	EA	15" Monochrome Camera Monitor (Pelco PMM15A)	477.77	15.34
28 21 31 00-0594	EA	20" Monochrome Camera Monitor (Pelco PMM20A)	774.68	15.34
28 21 31 00-0595		Color Camera Monitors *(28 21 31 00-0589)*		
28 21 31 00-0596	EA	9", High Resolution Color, Camera Monitor (Pelco PMC9A)	875.57	15.34
28 21 31 00-0597	EA	15", High Resolution Color, Camera Monitor (Pelco PMCS15A)	708.19	15.34
28 21 31 00-0598	EA	17", High Resolution Color, Camera Monitor (Pelco PMCS17A)	1,033.77	15.34
28 21 31 00-0599	EA	19", High Resolution Color, Camera Monitor (Pelco PMCS19A)	1,377.69	15.34
28 21 31 00-0600		LCD Camera Monitors *(28 21 31 00-0588)*		
28 21 31 00-0601		VGA Signal, Color LCD Camera Monitors (Pelco 200 Series) *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals.		
28 21 31 00-0602	EA	17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217)	991.35	15.34
28 21 31 00-0603	EA	19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219)	1,294.00	15.34
28 21 31 00-0604		Multimode, Color LCD Camera Monitors (Pelco 300 Series) *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA	15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315)	1,128.92	15.34
28 21 31 00-0606	EA	17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317)	1,353.62	15.34
28 21 31 00-0607	EA	19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319)	1,667.73	15.34
28 21 31 00-0608		Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series) *(28 21 31 00-0600)*		
		Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA	15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415)	1,452.21	15.34
28 21 31 00-0610	EA	17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417)	1,686.07	15.34
28 21 31 00-0611	EA	19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419)	2,118.26	15.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0612		Camera Monitor Mounting Accessories *(28 21 31 00-0588)*		
28 21 31 00-0613		Camera Monitor Mounts *(28 21 31 00-0612)*		
28 21 31 00-0614	EA	Up To 14", Camera Monitor Mount (Pelco)	327.50	20.45
28 21 31 00-0615	EA	>14" To 17", Camera Monitor Mount (Pelco)	383.67	20.45
28 21 31 00-0616	EA	>17" To 21", Camera Monitor Mount (Pelco)	452.46	20.45
28 21 31 00-0617		Camera Monitor Rack Mount Kits *(28 21 31 00-0612)*		
28 21 31 00-0618	EA	Camera Monitor Rack Mount Kit (Pelco PMCL-RM)	193.37	20.45
28 21 31 00-0619		Video Transmission Equipment *(28 21 31 00-0001)*		
28 21 31 00-0620		UTP Cable, Video Transmission Equipment *(28 21 31 00-0619)*		
28 21 31 00-0621		UTP Cable, Active Video Receivers *(28 21 31 00-0620)*		
28 21 31 00-0622	EA	Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR)	412.24	25.56
28 21 31 00-0623	EA	Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR)	1,458.90	25.56
28 21 31 00-0624	EA	Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US)	2,886.17	25.56
28 21 31 00-0625	EA	Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US)	4,751.36	25.56
28 21 31 00-0626	EA	Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US)	5,550.40	25.56
28 21 31 00-0627		UTP Cable, Passive Video Transceivers *(28 21 31 00-0620)*		
28 21 31 00-0628	EA	Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P)	109.59	25.56
28 21 31 00-0629	EA	Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P)	412.24	25.56
28 21 31 00-0630	EA	Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P)	774.50	25.56
28 21 31 00-0631	EA	Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P)	1,487.56	25.56
28 21 31 00-0632	EA	Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P)	2,925.14	25.56
28 21 31 00-0633		UTP Cable, Active Video Transmitters *(28 21 31 00-0620)*		
28 21 31 00-0634	EA	Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT)	431.72	25.56
28 21 31 00-0635		Fiber Optics, Video Transmission Equipment *(28 21 31 00-0619)*		
28 21 31 00-0636		Data Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0637		Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0636)*		
28 21 31 00-0638	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS)	2,564.72	51.12
28 21 31 00-0639	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM)	1,030.83	51.12
28 21 31 00-0640	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S)	1,866.56	51.12
28 21 31 00-0641	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M)	1,278.46	51.12
28 21 31 00-0642		Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0636)*		
28 21 31 00-0643	EA	Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS)	2,564.72	51.12
28 21 31 00-0644	EA	Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM)	1,030.83	51.12
28 21 31 00-0645	EA	Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S)	1,866.56	51.12
28 21 31 00-0646	EA	Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M)	1,278.46	51.12
28 21 31 00-0647		Video Only, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0648		Digitally Encoded Video, Fiber Optics Transmitters *(28 21 31 00-0647)*		
28 21 31 00-0649	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS)	1,122.55	51.12
28 21 31 00-0650	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM)	473.68	51.12
28 21 31 00-0651	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S)	3,161.99	51.12
28 21 31 00-0652	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M)	1,889.49	51.12
28 21 31 00-0653	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S)	5,198.00	51.12
28 21 31 00-0654	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M)	4,317.56	51.12
28 21 31 00-0655	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S)	12,947.66	51.12
28 21 31 00-0656	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M)	11,520.39	51.12
28 21 31 00-0657		Digitally Encoded Video, Fiber Optics Receivers *(28 21 31 00-0647)*		
28 21 31 00-0658	EA	Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS)	1,122.55	51.12
28 21 31 00-0659	EA	Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM)	473.68	51.12
28 21 31 00-0660	EA	Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS)	1,936.49	51.12
28 21 31 00-0661	EA	Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM)	768.31	51.12
28 21 31 00-0662	EA	Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S)	3,161.99	51.12
28 21 31 00-0663	EA	Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M)	1,889.49	51.12
28 21 31 00-0664	EA	Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S)	5,198.00	51.12
28 21 31 00-0665	EA	Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M)	4,317.56	51.12
28 21 31 00-0666	EA	Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S)	12,947.66	51.12
28 21 31 00-0667	EA	Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M)	11,520.39	51.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0668		Video And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0669		Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters *(28 21 31 00-0668)*		
28 21 31 00-0670	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS)	1,955.98	51.12
28 21 31 00-0671	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM)	1,154.65	51.12
28 21 31 00-0672	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S)	4,591.55	51.12
28 21 31 00-0673	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M)	3,971.35	51.12
28 21 31 00-0674	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S)	7,449.53	51.12
28 21 31 00-0675	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M)	5,392.89	51.12
28 21 31 00-0676		Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers *(28 21 31 00-0668)*		
28 21 31 00-0677	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS)	1,955.98	51.12
28 21 31 00-0678	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM)	1,154.65	51.12
28 21 31 00-0679	EA	Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S)	4,591.55	51.12
28 21 31 00-0680	EA	Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M)	3,971.35	51.12
28 21 31 00-0681	EA	Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S)	7,449.53	51.12
28 21 31 00-0682	EA	Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M)	5,392.89	51.12
28 21 31 00-0683		Video, Audio And Data, Fiber Optics Transmission Equipment *(28 21 31 00-0635)*		
28 21 31 00-0684		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters *(28 21 31 00-0683)*		
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,528.03	51.12
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	2,005.27	51.12
28 21 31 00-0687		Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers *(28 21 31 00-0683)*		
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,528.03	51.12
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	2,005.27	51.12
28 21 31 00-0690		Video Amplifiers *(28 21 31 00-0619)*		
28 21 31 00-0691		Video Distribution Amplifiers *(28 21 31 00-0690)*		
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	308.72	12.78
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA) Note: Inserts time-date and title on up to 16 video inputs.	2,560.25	12.78
28 21 31 00-0694		Video Equalizing Amplifiers *(28 21 31 00-0690)*		
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010)	336.23	12.78
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	532.27	12.78
28 21 31 00-0697		Network Video Equipment *(28 21 31 00-0001)*		
28 21 31 00-0698		Video Encoders/Decoders *(28 21 31 00-0697)*		
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,244.06	25.56
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,244.06	25.56
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,436.66	25.56
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,436.66	25.56
28 21 31 00-0703		Network Video Recorders *(28 21 31 00-0697)*		
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	8,042.22	51.12
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,364.02	51.12
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	12,009.91	51.12
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,942.48	51.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0708		**Network Video Recorder Software** *(28 21 31 00-0697)*		
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89	
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73	
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02	
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70	
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12	
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98	
28 21 31 00-0715	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03	
28 21 31 00-0716	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79	
28 21 31 00-0717	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50	
28 21 31 00-0718	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82	
28 21 31 00-0719	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,154.43	
28 21 31 00-0720	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,598.09	
28 21 31 00-0721	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	12,035.80	
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	7,953.47	
28 21 31 00-0723	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,397.13	
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,832.55	
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,687.51	
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,132.31	
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,568.88	
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	9,017.33	
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,460.99	
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,898.70	
28 21 31 00-0731		**Video Recording Equipment** *(28 21 31 00-0001)*		
28 21 31 00-0732		**Digital Video Recorders** *(28 21 31 00-0731)*		
28 21 31 00-0733	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,610.62	51.12
28 21 31 00-0734	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,303.98	51.12
28 21 31 00-0735	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	21,998.49	51.12
28 21 31 00-0736	EA	16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A)	15,188.87	51.12
28 21 31 00-0737	EA	16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A)	19,882.24	51.12
28 21 31 00-0738	EA	16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A)	24,576.74	51.12
28 21 31 00-0739	EA	24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A)	16,606.97	51.12
28 21 31 00-0740	EA	24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A)	21,300.33	51.12
28 21 31 00-0741	EA	24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A)	25,994.84	51.12
28 21 31 00-0742	EA	32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A)	19,185.22	51.12
28 21 31 00-0743	EA	32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A)	23,878.59	51.12
28 21 31 00-0744	EA	32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A)	28,573.09	51.12
28 21 31 00-0745	EA	16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500)	13,923.59	51.12
28 21 31 00-0746		**Digital Video Recorder Accessories** *(28 21 31 00-0731)*		
28 21 31 00-0747	EA	16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16)	1,202.79	25.56
28 21 31 00-0748		**Matrix Systems And Controls** *(28 21 31 00-0001)*		
28 21 31 00-0749		**Video Multiplexers** *(28 21 31 00-0748)*		
28 21 31 00-0750		**Monochrome Duplex, Video Multiplexers** *(28 21 31 00-0749)*		
28 21 31 00-0751	EA	9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD)	2,296.46	51.12
28 21 31 00-0752	EA	16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD)	2,169.21	51.12
28 21 31 00-0753		**Color Duplex, Video Multiplexers** *(28 21 31 00-0749)*		
28 21 31 00-0754	EA	4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD)	1,543.27	51.12
28 21 31 00-0755	EA	9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD)	2,965.96	51.12
28 21 31 00-0756	EA	16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD)	3,217.02	51.12
28 21 31 00-0757		**Color Simplex, Video Multiplexers** *(28 21 31 00-0749)*		
28 21 31 00-0758	EA	9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS)	2,489.05	51.12
28 21 31 00-0759	EA	16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS)	2,910.93	51.12
28 21 31 00-0760		**Video Multiplexer Accessories** *(28 21 31 00-0749)*		
28 21 31 00-0761	EA	Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000)	1,350.25	34.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0762	EA	Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002)	779.34	34.91
28 21 31 00-0763	EA	Video Multiplexer Server (Pelco MX4000SVR)	2,296.46	51.12
28 21 31 00-0764		**Quad Video Processor** *(28 21 31 00-0748)*		
28 21 31 00-0765	EA	Monochrome, Quad Video Processor (Pelco QD104M)	705.71	25.56
28 21 31 00-0766	EA	Color, Quad Video Processor (Pelco QD104C)	1,164.27	25.56
28 21 31 00-0767		**Switcher** *(28 21 31 00-0748)*		
28 21 31 00-0768		**Terminating Manual Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0769		**Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0770	EA	4 Inputs, Terminating Manual Switcher (Pelco MS504DT)	239.23	20.45
28 21 31 00-0771	EA	8 Inputs, Terminating Manual Switcher (Pelco MS508DT)	328.65	20.45
28 21 31 00-0772	EA	12 Inputs, Terminating Manual Switcher (Pelco MS512DT)	402.02	20.45
28 21 31 00-0773	EA	18 Inputs, Terminating Manual Switcher (Pelco MS518DT)	664.54	20.45
28 21 31 00-0774		**Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0775	EA	4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF)	312.60	20.45
28 21 31 00-0776	EA	8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF)	559.07	20.45
28 21 31 00-0777	EA	18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF)	984.39	20.45
28 21 31 00-0778		**Balanced Audio Follow, Terminating Manual Switchers** *(28 21 31 00-0768)*		
28 21 31 00-0779	EA	4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF)	421.50	20.45
28 21 31 00-0780	EA	8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF)	781.47	20.45
28 21 31 00-0781		**Looping Manual Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0782		**Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0783	EA	4 Inputs, Looping Manual Switcher (Pelco MS504LDT)	269.03	20.45
28 21 31 00-0784	EA	8 Inputs, Looping Manual Switcher (Pelco MS508LDT)	373.36	20.45
28 21 31 00-0785	EA	12 Inputs, Looping Manual Switcher (Pelco MS512LDT)	478.82	20.45
28 21 31 00-0786	EA	18 Inputs, Looping Manual Switcher (Pelco MS518LDT)	796.38	20.45
28 21 31 00-0787		**Audio Follow, Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0788	EA	4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL)	337.82	20.45
28 21 31 00-0789	EA	8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL)	598.05	20.45
28 21 31 00-0790	EA	12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL)	825.04	20.45
28 21 31 00-0791		**Balanced Audio Follow, Looping Manual Switchers** *(28 21 31 00-0781)*		
28 21 31 00-0792	EA	4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL)	452.46	20.45
28 21 31 00-0793	EA	8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL)	828.48	20.45
28 21 31 00-0794	EA	12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL)	1,045.15	20.45
28 21 31 00-0795		**Sequential Switchers** *(28 21 31 00-0767)*		
28 21 31 00-0796		**Single Output, Sequential Switchers** *(28 21 31 00-0795)*		
28 21 31 00-0797	EA	4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104)	479.97	20.45
28 21 31 00-0798	EA	8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108)	720.72	20.45
28 21 31 00-0799		**Dual Outputs, Sequential Switchers** *(28 21 31 00-0795)*		
28 21 31 00-0800	EA	4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204)	602.64	20.45
28 21 31 00-0801	EA	8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208)	838.79	20.45
28 21 31 00-0802		**Controls** *(28 21 31 00-0748)*		
28 21 31 00-0803		**Direct/Multi-Cable Controls** *(28 21 31 00-0802)*		
28 21 31 00-0804	EA	Scanner Control Module (Pelco MPS524DT)	395.73	51.12
28 21 31 00-0805	EA	120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT)	424.39	51.12
28 21 31 00-0806	EA	24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT)	473.68	51.12
28 21 31 00-0807	EA	Motorized Zoom Lens Control Module (Pelco MLZ6DT)	496.61	51.12
28 21 31 00-0808	EA	120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT)	799.26	51.12
28 21 31 00-0809	EA	24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT)	882.95	51.12
28 21 31 00-0810		**Coaxitron Controls** *(28 21 31 00-0802)*		
28 21 31 00-0811	EA	Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000)	566.11	34.91
28 21 31 00-0812	EA	8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000)	1,106.07	34.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0813	EA	Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008)	1,260.83	34.91
28 21 31 00-0814		**Digital Controls** *(28 21 31 00-0802)*		
28 21 31 00-0815	EA	Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A)	773.61	34.91
28 21 31 00-0816	EA	Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A)	1,338.78	34.91
28 21 31 00-0817		**Lock Boxes** *(28 21 31 00-0748)*		
28 21 31 00-0818	EA	VCR Lock Box (Pelco LB1000)	476.77	38.34
		For Wall Mount, Add	*165.00*	
28 21 31 00-0819	EA	Computer Disk Drive Lock Box (Pelco LB2000)	488.24	38.34
28 21 31 00-0820	EA	VCR And Multiplexer Lock Box (Pelco LB3000) Note: Includes storage for 32 VCR tapes.	912.41	38.34
28 21 31 00-0821		**Test And Certification Of Surveillance Camera System** *(28 21 31)*		
28 21 31 00-0822	DAY	Test And Certification Of Surveillance Camera System To Tie Into Existing Systems	810.23	
28 21 31 00-0823	HR	Test And Certification Of Surveillance Camera System	253.20	
28 21 31 00-0824		**Programming Of Surveillance Camera System** *(28 21 31)*		
28 21 31 00-0825	HR	Programming Of Surveillance Camera (CCTV) System	202.56	
28 21 31 00-0826		**Removal And Reinstallation Of Cameras** *(28 21 31)* Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827	EA	Removal And Reinstallation Of Camera System	460.10	

28 40 Life Safety *(28)*

Note: Includes testing of new devices and certification.

28 41 Radiation Detection and Alarm *(28 40)*

28 41 15 Radiation Detection Sensors *(28 41)*

28 41 15 00-0001 Wall Mount, Battery Operated, Home Radon Detector *(28 41 15)*

Note: Long term and 7 day average display.

28 41 15 00-0002	EA	Wall Mount, Battery Operated, Home Radon Detector	213.77	

28 42 Gas Detection and Alarm *(28 40)*

28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems *(28 42)*

28 42 11 00-0001 Monitoring System For Underground Tanks *(28 42 11)*

28 42 11 00-0002 Continuous Leak Detection System *(28 42 11 00-0001)*

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA	Single Channel Underground Tank Monitoring System	9,672.04	418.39
28 42 11 00-0004	EA	2 Channel Underground Tank Monitoring System	13,055.07	558.20
28 42 11 00-0005	EA	3 Channel Underground Tank Monitoring System	18,621.59	597.99
28 42 11 00-0006	EA	4 Channel Underground Tank Monitoring System	19,821.13	836.78
28 42 11 00-0007	EA	Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System	14,332.20	71.43
28 42 11 00-0008	EA	Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System	12,925.23	63.78
28 42 11 00-0009	EA	Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System	17,006.02	71.43
28 42 11 00-0010	EA	Tank Leak Detection Probe	5,269.49	15.31
28 42 11 00-0011	EA	Secondary Containment Collar Probe	639.93	6.13
28 42 11 00-0012	EA	Interstitial Leak Detection Probe	1,171.74	12.75
28 42 11 00-0013	EA	Liquid Phase Detection	3,869.91	38.27
28 42 11 00-0014	EA	Hydrocarbon Vapor, Fixed	3,569.79	38.27
28 42 11 00-0015	EA	Hydrocarbon Vapor, Float Mounted	4,174.86	43.37
28 42 11 00-0016	EA	Liquid And Vapor Hydrocarbon	4,775.11	43.37

28 42 15 Gas Detection Sensors *(28 42)*

28 42 15 00-0001 Hydrogen Gas Detection *(28 42 15)*

28 42 15 00-0002	EA	Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR)	2,057.32	38.34
28 42 15 00-0003	EA	Hydrogen Gas Detector Junction Box (SBS HGDI-JB)	103.02	12.78
28 42 15 00-0004	EA	Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM)	508.22	38.34

28 43 Fuel Oil Detection and Alarm *(28 40)*

See CSI section 28 42 00 00-0000 for detection and alarms.

28 46 Fire Detection and Alarm *(28 40)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13		**Fire-Alarm Systems** *(28 46)*		
28 46 13 31		**Proprietary Supervising-Station Fire-Alarm Systems** *(28 46 13)*		
		Note: Includes programming of equipment, testing and certification of new devices.		
28 46 13 31-0001		Edwards Fire Alarm *(28 46 13 31)*		
28 46 13 31-0002		EST3 Life Safety And Security Control *(28 46 13 31-0001)*		
28 46 13 31-0003		EST3 Network *(28 46 13 31-0002)*		
28 46 13 31-0004		Remote Annunciators *(28 46 13 31-0003)*		
28 46 13 31-0005	EA	Remote LCD Command Module Annunciator (EST3 3-LCDANN) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,638.38	76.68
28 46 13 31-0006	EA	Six Position Base Annunciator (EST3 3-6ANN) Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,327.72	76.68
28 46 13 31-0007	EA	Ten Position Base Annunciator (EST3 3-10ANN) Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.	1,689.96	76.68
28 46 13 31-0008	EA	Annunciator CPU (EST3 3-ANNCPU3) Note: One Required per graphic annunciator.	1,062.55	76.68
28 46 13 31-0009	EA	Annunciator Support Module (EST3 3-ANNSM) Note: Takes one space in Annunciator box. Supports one Control/Display module.	189.47	25.56
28 46 13 31-0010	EA	Liquid Crystal Display Module (EST3 3-LCD) Note: Mounts over 3-CPU(1).	668.73	76.68
28 46 13 31-0011	EA	Liquid Crystal Display Module (EST3 3-LCDXL) Note: Mounts over 3-ANNCPU plus two spaces.	600.24	76.68
28 46 13 31-0012	EA	LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.	759.54	76.68
28 46 13 31-0013	EA	Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.	905.39	51.12
28 46 13 31-0014	EA	Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) Note: Mounts up to three 3-EVDVRA modules.	127.80	25.56
28 46 13 31-0015	EA	Central Processor Unit Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,947.70	76.68
28 46 13 31-0016	EA	120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.	1,741.00	25.56
28 46 13 31-0017		Remote Annunciators Cabinets *(28 46 13 31-0003)*		
28 46 13 31-0018	EA	Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B)	138.83	25.56
28 46 13 31-0019	EA	Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S)	128.61	20.45
28 46 13 31-0020	EA	Six Position LED/LCD Flush Wallbox (EST3 6ANN/B)	158.30	25.56
28 46 13 31-0021	EA	Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S)	148.08	20.45
28 46 13 31-0022	EA	Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B)	176.56	25.56
28 46 13 31-0023	EA	Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S)	166.34	20.45
28 46 13 31-0024		Audio And Telephone Masters *(28 46 13 31-0003)*		
28 46 13 31-0025	EA	Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT)	5,417.09	102.25
28 46 13 31-0026	EA	Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4)	2,992.69	102.25
28 46 13 31-0027	EA	Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU)	1,670.75	102.25
28 46 13 31-0028	EA	Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU)	2,826.00	102.25
28 46 13 31-0029	EA	Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100)	3,235.06	102.25
28 46 13 31-0030	EA	Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95)	1,644.93	51.12
28 46 13 31-0031		Battery Distribution Unit *(28 46 13 31-0003)*		
28 46 13 31-0032	EA	Battery Distribution Unit (EST3 3-BTSEN)	549.99	447.75
28 46 13 31-0033		Remote Booster Power Supply *(28 46 13 31-0003)*		
28 46 13 31-0034	EA	6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A)	911.10	76.68
28 46 13 31-0035	EA	10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10)	1,045.92	76.68
28 46 13 31-0036	EA	10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220)	1,145.26	76.68
28 46 13 31-0037	EA	Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP)	142.10	25.56
28 46 13 31-0038		Batteries And Battery Cabinets *(28 46 13 31-0003)*		
28 46 13 31-0039	EA	1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 1.2 Ampere Hours)	105.07	25.56
28 46 13 31-0040	EA	4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A 4.5 Ampere Hours)	134.36	25.56
28 46 13 31-0041	EA	24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A 26 Ampere Hours)	336.43	25.56
28 46 13 31-0042	EA	6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 7.2 Ampere Hours)	146.09	25.56
28 46 13 31-0043	EA	40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A 40 Ampere Hours)	430.24	25.56
28 46 13 31-0044	EA	10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A 11 Ampere Hours)	236.05	25.56
28 46 13 31-0045	EA	50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A 50 Ampere Hours)	887.27	25.56
28 46 13 31-0046	EA	17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A 18 Ampere Hours)	242.09	25.56
28 46 13 31-0047	EA	65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A 65 Amp Hours)	1,071.04	25.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0048	EA	8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A 8 Amp Hours)	128.65	25.56
28 46 13 31-0049	EA	10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A 12 Amp Hours)	114.02	25.56
28 46 13 31-0050	EA	14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1) Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.	429.01	51.12
28 46 13 31-0051	EA	22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) Note: Holds up to two 12V17A batteries.	350.13	51.12
28 46 13 31-0052	EA	Remote Closet Enclosure (EST3 3-RCC7R)	1,235.00	102.25
28 46 13 31-0053	EA	Remote Closet Enclosure (EST3 3-RCC14R)	1,545.56	102.25
28 46 13 31-0054	EA	Remote Closet Enclosure (EST3 3-RCC21R)	2,189.55	102.25
28 46 13 31-0055		**Serial Printer** *(28 46 13 31-0003)*		
28 46 13 31-0056	EA	System Printer - Desk Top Style (EST3 PT-1S)	859.74	25.56
28 46 13 31-0057		**Intelligent Analog Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0058		**Detectors, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0059	EA	Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS)	253.34	38.34
28 46 13 31-0060	EA	Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB)	287.43	38.34
28 46 13 31-0061	EA	Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS)	243.18	38.34
28 46 13 31-0062	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS)	212.71	38.34
28 46 13 31-0063	EA	Intelligent Ionization Smoke Detector (EST3 SIGA-IS)	222.87	38.34
28 46 13 31-0064	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS)	178.73	38.34
28 46 13 31-0065	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS)	178.73	38.34
28 46 13 31-0066	EA	Passive Infrared Motion Detector (EST3 SIGA-MD)	296.50	38.34
28 46 13 31-0067	EA	Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS)	329.78	38.34
28 46 13 31-0068	EA	Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS)	274.71	38.34
28 46 13 31-0069	EA	Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS)	406.79	38.34
28 46 13 31-0070	EA	135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS)	225.41	38.34
28 46 13 31-0071	EA	135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS)	225.41	38.34
28 46 13 31-0072	EA	Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS)	319.09	38.34
28 46 13 31-0073		**Detectors, Duct Housings and Accessories, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0074	EA	Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD)	520.29	63.90
28 46 13 31-0075	EA	Superduct, Test Magnet Kit (EST3 SD-MAG)	19.77	
28 46 13 31-0076	EA	Superduct, 120" Air Sample Tube (EST3 SD-T120)	64.48	15.34
28 46 13 31-0077	EA	Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK)	133.76	20.45
28 46 13 31-0078	EA	Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS)	185.32	20.45
28 46 13 31-0079	EA	High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL)	74.94	20.45
28 46 13 31-0080		**Modules, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0081	EA	Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB)	244.73	25.56
28 46 13 31-0082	EA	Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1)	100.34	25.56
28 46 13 31-0083	EA	Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2)	134.67	25.56
28 46 13 31-0084	EA	Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2)	217.55	25.56
28 46 13 31-0085	EA	Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1)	147.62	25.56
28 46 13 31-0086	EA	Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2)	154.74	25.56
28 46 13 31-0087	EA	Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR) Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	118.47	25.56
28 46 13 31-0088	EA	Control Relay UIO (Plug In) Module (EST3 SIGA-MCR)	187.15	25.56
28 46 13 31-0089	EA	Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S)	255.06	25.56
28 46 13 31-0090	EA	Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO)	248.24	25.56
28 46 13 31-0091	EA	Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO)	238.08	25.56
28 46 13 31-0092	EA	Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM)	217.02	191.46
28 46 13 31-0093	EA	Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1) Note: Factory programmed for non-latching monitor operation.	154.77	25.56
28 46 13 31-0094	EA	Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S)	256.17	25.56
28 46 13 31-0095		**Module Accessories, Signature** *(28 46 13 31-0057)* Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0096	EA	Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4)	59.68	12.78
28 46 13 31-0097	EA	Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6)	214.26	25.56
28 46 13 31-0098	EA	Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P)	20.42	7.66
28 46 13 31-0099	EA	Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1)	71.44	12.78
28 46 13 31-0100	EA	Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2)	63.00	12.78
28 46 13 31-0101	EA	Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L)	66.33	12.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0102		**Single Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0103	EA	One Stage Fire Alarm Station, English Markings (EST3 SIGA-270)	255.23	53.16
28 46 13 31-0104	EA	Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P)	306.19	53.16
28 46 13 31-0105	EA	GA Key - For Pre Signal Station (EST3 276-K2)	36.11	30.99
28 46 13 31-0106	EA	20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR)	45.92	40.80
28 46 13 31-0107	EA	Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB)	62.91	42.46
28 46 13 31-0108		**Double Action Pull Stations, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0109	EA	Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278)	179.32	53.16
28 46 13 31-0110	EA	12 Glass Rods For SIGA-278 Series (EST3 276-GLR)	46.65	5.11
28 46 13 31-0111		**Detector Bases and Accessories, Signature** *(28 46 13 31-0057)*		
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0112	EA	Audible (Sounder) Base (EST3 SIGA-AB4G)	135.06	12.78
28 46 13 31-0113	EA	Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB)	46.04	12.78
28 46 13 31-0114	EA	Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4)	170.42	12.78
28 46 13 31-0115	EA	Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG)	93.64	12.78
28 46 13 31-0116	EA	Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB)	110.61	12.78
28 46 13 31-0117	EA	Detector Mounting Plate (EST3 SIGA-DMP)	178.54	12.78
		Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, -PHS and -IPHS detectors and -SB, -RB and -IB bases. SIGA-IPHS 4D detector is limited to operation in air velocities less than 500 feet per minute.		
28 46 13 31-0118	EA	Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED)	59.68	12.78
28 46 13 31-0119	EA	Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS)	20.56	7.66
28 46 13 31-0120	EA	Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4)	20.56	7.66
28 46 13 31-0121	EA	Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF)	66.44	7.66
28 46 13 31-0122	EA	Detector Base With Isolator (EST3 SIGA-IB)	108.89	12.78
28 46 13 31-0123	EA	Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4)	116.17	12.78
28 46 13 31-0124	EA	Detector Base With Form 'C' Relay (EST3 SIGA-RB)	59.24	12.78
28 46 13 31-0125	EA	Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4)	96.20	12.78
28 46 13 31-0126	EA	Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4)	36.57	12.78
28 46 13 31-0127		**Controllers, Signature** *(28 46 13 31-0057)*		
28 46 13 31-0128	EA	Signature Dual Driver Controller (EST3 3-SDDC1)	3,883.04	76.68
28 46 13 31-0129	EA	Single Signature Loop Controller (EST3 3-SSDC1)	2,208.70	76.68
28 46 13 31-0130	EA	Signature Loop Controller (EST3 3-SDC1)	1,980.16	76.68
28 46 13 31-0131	EA	Analog Addressable Loop Controller (EST3 3-AADC1)	3,198.02	76.68
28 46 13 31-0132		**Relays And Accessories** *(28 46 13 31-0057)*		
28 46 13 31-0133	EA	Multi Voltage Relay (EST3 MR101)	194.88	25.56
28 46 13 31-0134	EA	Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T)	55.35	12.78
28 46 13 31-0135		**Notification Appliances** *(28 46 13 31-0002)*		
28 46 13 31-0136		**Wall Strobes, Horns And Chimes** *(28 46 13 31-0135)*		
28 46 13 31-0137	EA	Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM)	149.30	38.34
28 46 13 31-0138	EA	Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM)	149.30	38.34
28 46 13 31-0139	EA	Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM)	172.95	38.34
28 46 13 31-0140	EA	Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD)	122.65	38.34
28 46 13 31-0141	EA	Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD)	122.65	38.34
28 46 13 31-0142	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD)	122.65	38.34
28 46 13 31-0143	EA	Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD)	122.65	38.34
28 46 13 31-0144	EA	Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P)	100.26	38.34
28 46 13 31-0145	EA	Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P)	100.26	38.34
28 46 13 31-0146	EA	Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P)	100.26	38.34
28 46 13 31-0147	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM)	269.49	38.34
28 46 13 31-0148	EA	Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM)	269.49	38.34
28 46 13 31-0149	EA	Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C)	170.07	38.34
28 46 13 31-0150	EA	Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C)	170.07	38.34
28 46 13 31-0151	EA	Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575)	149.30	38.34
28 46 13 31-0152	EA	Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM)	149.30	38.34
28 46 13 31-0153	EA	Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM)	149.30	38.34
28 46 13 31-0154	EA	Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575)	149.30	38.34
28 46 13 31-0155	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM)	155.95	38.34
28 46 13 31-0156	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM)	155.95	38.34
28 46 13 31-0157	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH)	171.50	38.34
28 46 13 31-0158	EA	Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM)	155.95	38.34
28 46 13 31-0159	EA	Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH)	155.95	38.34
28 46 13 31-0160	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE)	85.70	38.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0161	EA	Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE)	85.70	38.34
28 46 13 31-0162		**Wall Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0163	EA	Multi-Wattage 25 VRMS Speaker (EST3 G4-S2)	120.64	38.34
28 46 13 31-0164	EA	Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM)	195.66	38.34
28 46 13 31-0165	EA	Multi-Wattage 70 VRMS Speaker (EST3 G4-S7)	120.64	38.34
28 46 13 31-0166	EA	Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM)	195.66	38.34
28 46 13 31-0167	EA	Surface Box, White, For Genesis Speaker (EST3 G4B)	59.18	20.45
28 46 13 31-0168	EA	Surface Box, Red, For Genesis Speaker (EST3 G4RB)	59.18	20.45
28 46 13 31-0169		**Ceiling Speakers And Speaker Strobes** *(28 46 13 31-0135)*		
28 46 13 31-0170	EA	Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7)	147.85	38.34
28 46 13 31-0171	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM)	195.66	38.34
28 46 13 31-0172	EA	Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH)	210.80	38.34
28 46 13 31-0173		**Harsh Environment Signals** *(28 46 13 31-0135)*		
28 46 13 31-0174	EA	Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T)	129.23	38.34
28 46 13 31-0175	EA	15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T)	188.94	38.34
28 46 13 31-0176	EA	110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T)	188.94	38.34
28 46 13 31-0177	EA	15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T)	171.19	38.34
28 46 13 31-0178	EA	15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T)	159.39	38.34
28 46 13 31-0179	EA	30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T)	171.19	38.34
28 46 13 31-0180	EA	60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T)	171.19	38.34
28 46 13 31-0181	EA	110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T)	171.19	38.34
28 46 13 31-0182	EA	15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T)	188.74	43.46
28 46 13 31-0183	EA	110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T)	188.74	43.46
28 46 13 31-0184	EA	15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T)	136.43	38.34
28 46 13 31-0185	EA	30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T)	183.27	38.34
28 46 13 31-0186		**Fire Alarm Bells** *(28 46 13 31-0135)*		
28 46 13 31-0187	EA	10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW)	205.50	38.34
28 46 13 31-0188	EA	6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW)	160.91	38.34
28 46 13 31-0189	EA	10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW)	179.94	38.34
28 46 13 31-0190		**Multiple Tone Signal** *(28 46 13 31-0135)*		
28 46 13 31-0191	EA	27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW)	1,414.73	1,376.39
28 46 13 31-0192		**Multi-Purpose Loudspeaker** *(28 46 13 31-0135)*		
28 46 13 31-0193	EA	15 Watt Loudspeaker, Gray (EST3 HPSA15G2570)	276.62	38.34
28 46 13 31-0194	EA	15 Watt Loudspeaker, Red (EST3 HPSA15R2570)	276.62	38.34
28 46 13 31-0195		**Bell/Strobe Plate** *(28 46 13 31-0135)*		
28 46 13 31-0196	EA	Bell/Strobe Plate - 15cd (EST3 403-5A-R)	139.45	20.45
28 46 13 31-0197		**Mounting Accessories** *(28 46 13 31-0135)*		
28 46 13 31-0198	EA	Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11)	60.56	20.45
28 46 13 31-0199	EA	One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY)	60.56	20.45
28 46 13 31-0200	EA	Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16)	60.56	20.45
28 46 13 31-0201	EA	Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21)	60.56	20.45
28 46 13 31-0202	EA	Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26)	60.56	20.45
28 46 13 31-0203		**Firefighters' Telephones** *(28 46 13 31-0135)*		
28 46 13 31-0204	EA	Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4)	1,253.30	63.90
28 46 13 31-0205	EA	Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4)	690.56	63.90
28 46 13 31-0206	EA	Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F)	487.91	63.90
28 46 13 31-0207	EA	Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1)	346.63	63.90
28 46 13 31-0208	EA	Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4)	665.34	63.90
28 46 13 31-0209	EA	Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A)	397.05	63.90
28 46 13 31-0210	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4)	754.65	63.90
28 46 13 31-0211	EA	Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A)	413.86	63.90
28 46 13 31-0212	EA	Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4)	869.01	63.90
28 46 13 31-0213	EA	Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1)	88.06	20.45
28 46 13 31-0214	EA	Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4)	102.69	20.45
28 46 13 31-0215	EA	Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3)	155.76	
28 46 13 31-0216	EA	Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061)	155.76	
28 46 13 31-0217	EA	Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1)	226.69	25.56
28 46 13 31-0218	EA	Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2)	284.92	25.56
28 46 13 31-0219	EA	Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3)	197.57	25.56

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28 46 13 31-0220	EA	Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4)	189.01	25.56
28 46 13 31-0221	EA	Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1)	129.88	38.34
28 46 13 31-0222	EA	Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6)	1,301.27	51.12
28 46 13 31-0223		**Mass Notification EC Appliances** *(28 46 13 31-0135)*		
28 46 13 31-0224	EA	G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA)	156.00	38.34
28 46 13 31-0225	EA	G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC)	149.95	38.34
28 46 13 31-0226	EA	G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA)	156.00	38.34
28 46 13 31-0227	EA	G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC)	149.95	38.34
28 46 13 31-0228	EA	G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT)	22.57	7.66
28 46 13 31-0229		**Hazardous Location Devices** *(28 46 13 31-0002)*		
28 46 13 31-0230		**Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location** *(28 46 13 31-0229)*		
28 46 13 31-0231	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135)	132.97	38.34
28 46 13 31-0232	EA	Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194)	132.97	38.34
28 46 13 31-0233	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135)	139.04	38.34
28 46 13 31-0234	EA	Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194)	139.04	38.34
28 46 13 31-0235	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135)	195.10	38.34
28 46 13 31-0236	EA	Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194)	195.10	38.34
28 46 13 31-0237	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135)	139.04	38.34
28 46 13 31-0238	EA	Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194)	139.04	38.34
28 46 13 31-0239		**Hazardous Locations Fire Alarm Station** *(28 46 13 31-0229)*		
28 46 13 31-0240	EA	Hazardous Location Fire Alarm Station (EST3 XAL53)	1,329.60	63.90
28 46 13 31-0241	EA	Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE)	1,264.30	63.90
28 46 13 31-0242		**Hazardous Location Strobes** *(28 46 13 31-0229)*		
28 46 13 31-0243	EA	Explosion Proof Strobe (EST3 116DEXSTC-FJ)	2,003.46	38.34
28 46 13 31-0244	EA	Wall Bracket Mounting Elbow (EST3 116EX-B)	371.21	12.78
28 46 13 31-0245	EA	Ceiling / Wall Mounting Module (EST3 116EX-C)	486.30	15.34
28 46 13 31-0246	EA	Pendant Mounting Module (EST3 116EX-P)	354.89	15.34
28 46 13 31-0247		**Hazardous Location Bells** *(28 46 13 31-0229)*		
28 46 13 31-0248	EA	6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW)	1,440.60	38.34
28 46 13 31-0249	EA	8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW)	1,478.40	38.34
28 46 13 31-0250	EA	10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW)	1,492.01	38.34
28 46 13 31-0251		**Hazardous Location Horns** *(28 46 13 31-0229)*		
28 46 13 31-0252	EA	Hazardous Location Horns (EST3 888D-N5)	1,408.03	38.34
28 46 13 31-0253	EA	Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW)	1,146.46	38.34
28 46 13 31-0254		**Door Holders And Relays** *(28 46 13 31-0002)*		
28 46 13 31-0255		**Electromagnetic Door Holders** *(28 46 13 31-0254)*		
28 46 13 31-0256	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5)	236.65	38.34
28 46 13 31-0257	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5)	312.51	38.34
28 46 13 31-0258	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5)	197.91	38.34
28 46 13 31-0259	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5)	197.91	38.34
28 46 13 31-0260	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5)	201.42	38.34
28 46 13 31-0261	EA	24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5)	204.75	38.34
28 46 13 31-0262		**Control Relays, Multi-Voltage** *(28 46 13 31-0254)*		
28 46 13 31-0263	EA	Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1)	47.89	7.66
28 46 13 31-0264		**FireShield Plus** *(28 46 13 31-0002)*		
28 46 13 31-0265		**3 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0266	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R)	1,233.16	306.74
28 46 13 31-0267	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD)	1,815.51	408.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0268	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G)	1,233.16	306.74
28 46 13 31-0269	EA	Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD)	1,815.51	408.97
28 46 13 31-0270	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	90.93	12.78
28 46 13 31-0271	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	90.93	12.78
28 46 13 31-0272		**5 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0273	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R)	1,338.96	306.74
28 46 13 31-0274	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD)	1,915.26	408.97
28 46 13 31-0275	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G)	1,338.96	306.74
28 46 13 31-0276	EA	Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD)	1,915.26	408.97
28 46 13 31-0277	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G)	90.93	12.78
28 46 13 31-0278	EA	Semi-Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R)	90.93	12.78
28 46 13 31-0279		**10 Zone System** *(28 46 13 31-0264)*		
28 46 13 31-0280	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R)	1,951.54	408.97
28 46 13 31-0281	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD)	2,533.88	511.22
28 46 13 31-0282	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G)	1,906.20	408.97
28 46 13 31-0283	EA	Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD)	2,533.88	511.22
28 46 13 31-0284	EA	Semi-Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G)	107.30	12.78
28 46 13 31-0285	EA	NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120)	195.06	25.56
28 46 13 31-0286		**FireShield Plus Off Premise Communication Options** *(28 46 13 31-0264)*		
28 46 13 31-0287	EA	F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT)	444.09	25.56
28 46 13 31-0288		**FireShield Plus Remote LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0289	EA	Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI)	174.77	38.34
28 46 13 31-0290	EA	Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A)	174.77	38.34
28 46 13 31-0291	EA	Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA)	182.48	38.34
28 46 13 31-0292	EA	Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2)	35.00	7.66
28 46 13 31-0293	EA	Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3)	44.87	7.66
28 46 13 31-0294	EA	Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4)	68.57	7.66
28 46 13 31-0295		**FireShield Plus Remote 10 Zone LED Annunciators** *(28 46 13 31-0264)*		
28 46 13 31-0296	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10)	590.57	38.34
28 46 13 31-0297	EA	Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C)	651.03	38.34
28 46 13 31-0298	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1)	202.26	25.56
28 46 13 31-0299		**FireShield Plus Remote Relays And Interfaces** *(28 46 13 31-0264)*		
28 46 13 31-0300	EA	Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24)	214.60	25.56
28 46 13 31-0301	EA	11" Snap Track Holds 2-4 RRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11)	86.36	15.34
28 46 13 31-0302	EA	Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM)	350.38	25.56
28 46 13 31-0303		**FireShield Plus Accessories** *(28 46 13 31-0264)*		
28 46 13 31-0304	EA	Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1)	19.22	
28 46 13 31-0305	EA	4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7)	10.95	
28 46 13 31-0306		**iO Series Fire Control Panels** *(28 46 13 31-0002)*		
28 46 13 31-0307		**Intelligent Analog Control Panels** *(28 46 13 31-0306)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0308	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G)	3,640.97	511.22
28 46 13 31-0309	EA	FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD)	3,934.19	511.22
28 46 13 31-0310	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G)	2,905.53	408.97
28 46 13 31-0311	EA	FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD)	3,041.56	408.97
28 46 13 31-0312		**Option Modules And Accessories For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0313	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1)	378.97	38.34
28 46 13 31-0314	EA	16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2)	227.82	38.34
28 46 13 31-0315	EA	Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232)	227.82	38.34
28 46 13 31-0316	EA	Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA)	202.26	25.56
28 46 13 31-0317	EA	Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT)	433.87	20.45
28 46 13 31-0318	EA	Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH)	796.62	20.45
28 46 13 31-0319	EA	Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1)	89.04	12.78
28 46 13 31-0320	EA	Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2)	104.15	12.78
28 46 13 31-0321	EA	Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250)	1,462.54	51.12
28 46 13 31-0322		**Remote Annunciators For iO Series** *(28 46 13 31-0306)*		
28 46 13 31-0323	EA	Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD)	794.60	38.34
28 46 13 31-0324	EA	Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C)	832.40	38.34
28 46 13 31-0325		**Remote Annunciator Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0326	EA	24 Expander Cable Assembly, With Cable And Hardware (EST3 730073)	86.02	12.78
28 46 13 31-0327	EA	12 Expander Cable (Cable Only) (EST3 7120313-01)	55.79	12.78
28 46 13 31-0328	EA	24 Expander Cable (Cable Only) (EST3 7120313-02)	78.45	12.78
28 46 13 31-0329	EA	Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1)	227.82	38.34
28 46 13 31-0330	EA	Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2)	265.60	38.34
28 46 13 31-0331	EA	Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3)	303.40	38.34
28 46 13 31-0332	EA	Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC)	55.79	12.78
28 46 13 31-0333	EA	Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC)	55.79	12.78
28 46 13 31-0334	EA	Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY)	121.83	12.78
28 46 13 31-0335		**System Accessories** *(28 46 13 31-0306)*		
28 46 13 31-0336	EA	Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1)	429.01	51.12
28 46 13 31-0337	EA	Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A)	1,849.36	408.97
28 46 13 31-0338		**Conventional Initiating Devices** *(28 46 13 31-0002)*		
28 46 13 31-0339		**Detectors, Heat, Double Pole** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0340	EA	Heat Detector, 135 Degree F Fixed Temperature (CF135-2)	158.13	38.34
28 46 13 31-0341	EA	Heat Detector, 200 Degree F Fixed Temperature (CF200-2)	158.13	38.34
28 46 13 31-0342	EA	Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2)	158.13	38.34
28 46 13 31-0343	EA	Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2)	158.13	38.34
28 46 13 31-0344		**Detectors, Rate Compensation Heat, Accessories** *(28 46 13 31-0338)*		
28 46 13 31-0345	EA	Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P)	89.21	38.34
28 46 13 31-0346	EA	Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11)	287.98	20.45
28 46 13 31-0347	EA	4" Weatherproof, Octagon Back Box And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27)	80.57	25.56
28 46 13 31-0348		**Detectors, Heat, Fire-Lite** *(28 46 13 31-0338)*		
		Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.		
28 46 13 31-0349	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135)	146.50	38.34
28 46 13 31-0350	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194)	146.50	38.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0351		**Audio Notification Systems (Standalone Voice Evacuation)** *(28 46 13 31-0002)*		
28 46 13 31-0352		**Audio Notification Panels** *(28 46 13 31-0351)*		
28 46 13 31-0353	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG)	5,511.41	511.22
28 46 13 31-0354	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR)	5,511.41	511.22
28 46 13 31-0355	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG)	4,045.32	511.22
28 46 13 31-0356	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR)	4,045.32	511.22
28 46 13 31-0357	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG)	4,770.80	511.22
28 46 13 31-0358	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR)	4,770.80	511.22
28 46 13 31-0359		**Audio Notification Expander Panels** *(28 46 13 31-0351)*		
28 46 13 31-0360	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG)	4,166.23	511.22
28 46 13 31-0361	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR)	4,166.23	511.22
28 46 13 31-0362	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG)	2,745.48	511.22
28 46 13 31-0363	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR)	2,745.48	511.22
28 46 13 31-0364	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG)	3,576.77	511.22
28 46 13 31-0365	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR)	3,576.77	511.22
28 46 13 31-0366		**Audio Notification Output Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0367	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B)	161.59	12.78
28 46 13 31-0368	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A)	731.27	25.56
28 46 13 31-0369	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B)	731.27	25.56
28 46 13 31-0370	EA	Class A Converter (GE ANSZSC4A)	519.67	25.56
28 46 13 31-0371		**Audio Notification Remote Microphone** *(28 46 13 31-0351)*		
28 46 13 31-0372	EA	Microphone (GE ANSMIKE)	187.15	25.56
28 46 13 31-0373	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG)	806.84	25.56
28 46 13 31-0374	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR)	806.84	25.56
28 46 13 31-0375	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP)	176.70	12.78
28 46 13 31-0376	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR)	93.56	12.78
28 46 13 31-0377		**Audio Notification Accessories** *(28 46 13 31-0351)*		
28 46 13 31-0378	EA	Audio Matching - Line Input/Output Card (GE ANSAUX)	323.18	25.56
28 46 13 31-0379	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP)	323.18	25.56
28 46 13 31-0380	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA)	323.18	25.56
28 46 13 31-0381	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRSI8)	731.27	25.56
28 46 13 31-0382		**Audio Notification Modules, Without Cabinet And Transformer** *(28 46 13 31-0351)*		
28 46 13 31-0383	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) Note: Excludes cabinet.	2,686.81	51.12
28 46 13 31-0384	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) Note: Excludes cabinet.	2,822.84	51.12
28 46 13 31-0385	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) Note: Excludes cabinet.	3,911.07	51.12
28 46 13 31-0386	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) Note: Excludes cabinet.	1,462.54	51.12
28 46 13 31-0387	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) Note: Excludes cabinet.	1,462.54	51.12
28 46 13 31-0388	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD)	2,686.81	51.12
28 46 13 31-0389	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) Note: Excludes cabinet.	2,142.69	51.12
28 46 13 31-0390	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) Note: Excludes cabinet.	2,278.72	51.12
28 46 13 31-0391	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) Note: Excludes cabinet.	3,366.95	51.12
28 46 13 31-0392	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180)	161.59	12.78
28 46 13 31-0393	EA	Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885)	117.82	12.78

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0394		Simplex Fire Alarm *(28 46 13 31)*		
28 46 13 31-0395		4100 Fire Alarm Control Panel *(28 46 13 31-0394)*		
28 46 13 31-0396	EA	4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACS, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111)	6,623.30	510.23
28 46 13 31-0397	EA	4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141)	7,279.72	510.23
28 46 13 31-0398	EA	4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142)	10,717.70	510.23
28 46 13 31-0399	EA	Up To 127 Points, IDNet Module, (Simplex 4100-3104) Note: Add-on module.	4,043.72	510.23
28 46 13 31-0400	EA	Up To 64 Points, IDNet Module, (Simplex 4100-3105) Note: Add-on module.	3,042.64	510.23
28 46 13 31-0401	EA	Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) Note: Add-on module.	2,219.64	127.55
28 46 13 31-0402	EA	Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) Note: Add-on module.	464.96	25.51
28 46 13 31-0403	EA	Dual Port RS-232 Interface Card (Simplex 4100-6038) Note: Add-on module.	1,360.72	25.51
28 46 13 31-0404		4100U Back Box *(28 46 13 31-0394)*		
28 46 13 31-0405	EA	2 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9425) Note: 24" x 40" beige backbox.	2,328.07	102.05
28 46 13 31-0406	EA	3 Bay Back Box With Glass Door And Dress Panel (Simplex 2975-9443) Note: 24" x 56" beige backbox.	3,301.99	102.05
28 46 13 31-0407		DACT (Digital Alarm Communicator Transmitter) *(28 46 13 31-0394)*		
28 46 13 31-0408	EA	6 Zone Fire Control Communicator (Silent Knight SK-5104)	1,277.37	51.02
28 46 13 31-0409		4010 Fire Alarm Control Panel *(28 46 13 31-0394)*		
28 46 13 31-0410	EA	120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101)	6,220.89	510.23
28 46 13 31-0411	EA	240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201)	6,021.28	510.23
28 46 13 31-0412	EA	Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806)	232.28	25.51
28 46 13 31-0413	EA	Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811)	1,056.77	25.51
28 46 13 31-0414	EA	Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812)	1,458.36	25.51
28 46 13 31-0415	EA	120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813)	742.26	25.51
28 46 13 31-0416	EA	240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823)	804.43	25.51
28 46 13 31-0417	EA	Battery Meter Module Expansion Module (Simplex 4010-9820)	292.68	25.51
28 46 13 31-0418		Printer *(28 46 13 31-0394)*		
28 46 13 31-0419	EA	24 Pin Dot Matrix Printer (Simplex 4190-9013)	2,357.63	25.51
28 46 13 31-0420		NAC Panel / Power Booster *(28 46 13 31-0394)*		
28 46 13 31-0421	EA	120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) Note: Power supply for horns and strobes.	1,461.23	127.55
28 46 13 31-0422		Battery *(28 46 13 31-0394)*		
28 46 13 31-0423	EA	50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) Note: Two required for 24 volt DC.	944.72	25.51
28 46 13 31-0424	EA	33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) Note: Two required for 24 volt DC.	622.66	25.51
28 46 13 31-0425	EA	6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) Note: Two required for 24 volt DC.	214.74	25.51
28 46 13 31-0426		Interface Modules *(28 46 13 31-0394)*		
28 46 13 31-0427	EA	Supervised Individual Addressable Modules (Simplex 4090-9001) Note: Monitor modules for waterflow / tamper, etc.	170.48	25.51
28 46 13 31-0428	EA	Relay Individual Addressable Modules (Simplex 4090-9002) Note: Control modules for gas shutdown, door holders, etc.	369.27	25.51
28 46 13 31-0429	EA	Relay SPDT With LED MR-801/T (Simplex 2088-9032) Note: Interface relay for 120VAC	76.82	25.51
28 46 13 31-0430	EA	SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815)	172.67	25.51
28 46 13 31-0431	EA	Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817)	76.01	12.75
28 46 13 31-0432	EA	Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818)	71.81	12.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0433		**Pull Stations** *(28 46 13 31-0394)*		
28 46 13 31-0434	EA	Addressable Single Action Manual Pull Station (Simplex 4099-9001)	213.12	25.51
28 46 13 31-0435	EA	N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101)	147.84	25.51
28 46 13 31-0436	EA	N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102)	160.45	25.51
28 46 13 31-0437	EA	Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103)	142.15	25.51
28 46 13 31-0438	EA	N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104)	168.88	25.51
28 46 13 31-0439	EA	N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105)	264.93	25.51
28 46 13 31-0440	EA	Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107)	219.38	25.51
28 46 13 31-0441	EA	Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108)	261.48	25.51
28 46 13 31-0442	EA	Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754)	112.76	25.51
28 46 13 31-0443	EA	Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755)	120.46	25.51
28 46 13 31-0444	EA	Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756)	145.27	25.51
28 46 13 31-0445	EA	N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758)	235.43	25.51
28 46 13 31-0446	EA	Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759)	419.82	25.51
28 46 13 31-0447	EA	Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762)	126.79	25.51
28 46 13 31-0448	EA	Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178)	80.24	12.75
28 46 13 31-0449		**Weatherproof Pull Stations** *(28 46 13 31-0394)*		
28 46 13 31-0450	EA	Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138)	204.37	30.61
28 46 13 31-0451	EA	Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211)	136.16	12.75
28 46 13 31-0452		**Heat / Smoke Sensor** *(28 46 13 31-0394)*		
28 46 13 31-0453	EA	32 To 122 Degree F Heat Sensor (Simplex 4098-9733)	200.52	38.27
28 46 13 31-0454	EA	Photoelectric Smoke Sensor (Simplex 4098-9714)	303.85	38.27
28 46 13 31-0455	EA	Sensor Base With Relay Driver (Simplex 4098-9791)	633.66	12.75
28 46 13 31-0456	EA	Standard Sensor Base (Simplex 4098-9792)	317.80	12.75
28 46 13 31-0457	EA	Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737) Note: Relay for 4098-9791	171.25	25.51
28 46 13 31-0458		**Explosion Proof Heat Detector** *(28 46 13 31-0394)*		
28 46 13 31-0459	EA	135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488)	213.74	38.27
28 46 13 31-0460	EA	Explosion Proof Back Box (Killark JLX-21)	147.60	12.75
28 46 13 31-0461	EA	Explosion Proof Back Box Plugs (Killark CUP-2)	12.56	2.55
28 46 13 31-0462		**Weatherproof Heat Detector** *(28 46 13 31-0394)*		
28 46 13 31-0463	EA	194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490)	147.35	38.27
28 46 13 31-0464		**200 Degree F Heat Detector** *(28 46 13 31-0394)*		
28 46 13 31-0465	EA	194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604) Note: Used in kiln rooms and kitchens.	117.67	38.27
28 46 13 31-0466		**Duct Smoke Sensor** *(28 46 13 31-0394)*		
28 46 13 31-0467	EA	Duct Sensor Housing (Simplex 4098-9755)	505.59	20.41
28 46 13 31-0468	EA	Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756) Note: Relay output for AHU shutdown.	669.52	45.92
28 46 13 31-0469	EA	46" To 71" Duct Sampling Tube (Simplex 2098-9798) Note: 25", 49", 73" or 97" sampling tube length.	69.42	12.75
28 46 13 31-0470	EA	Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806)	159.87	38.27
28 46 13 31-0471		**Interior Horn** *(28 46 13 31-0394)*		
28 46 13 31-0472	EA	Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850)	146.06	38.27
28 46 13 31-0473	EA	White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853)	146.06	38.27
28 46 13 31-0474		**Interior Horn Strobe** *(28 46 13 31-0394)*		
28 46 13 31-0475	EA	75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426)	211.72	38.27
28 46 13 31-0476	EA	110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427)	211.72	38.27
28 46 13 31-0477	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127)	196.74	38.27
28 46 13 31-0478	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128)	196.74	38.27
28 46 13 31-0479	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129)	196.74	38.27
28 46 13 31-0480	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130)	196.74	38.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0481	EA	Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131)	201.76	38.27
28 46 13 31-0482	EA	Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132)	201.76	38.27
28 46 13 31-0483	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139)	210.59	38.27
28 46 13 31-0484	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140)	206.52	38.27
28 46 13 31-0485	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141)	210.59	38.27
28 46 13 31-0486	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142)	206.52	38.27
28 46 13 31-0487	EA	Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227)	196.74	38.27
28 46 13 31-0488	EA	Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228)	196.74	38.27
28 46 13 31-0489	EA	Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229)	196.74	38.27
28 46 13 31-0490	EA	Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230)	196.74	38.27

28 46 13 31-0491 Interior Strobe *(28 46 13 31-0394)*

28 46 13 31-0492	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101)	164.92	38.27
28 46 13 31-0493	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102)	164.92	38.27
28 46 13 31-0494	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103)	164.85	38.27
28 46 13 31-0495	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104)	164.92	38.27
28 46 13 31-0496	EA	Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105)	183.95	38.27
28 46 13 31-0497	EA	Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106)	183.95	38.27
28 46 13 31-0498	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109)	185.17	38.27
28 46 13 31-0499	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110)	188.49	38.27
28 46 13 31-0500	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111)	188.49	38.27
28 46 13 31-0501	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112)	188.49	38.27
28 46 13 31-0502	EA	Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201)	164.92	38.27
28 46 13 31-0503	EA	Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202)	164.92	38.27
28 46 13 31-0504	EA	Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203)	164.92	38.27
28 46 13 31-0505	EA	Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204)	164.92	38.27

28 46 13 31-0506 Interior Speakers *(28 46 13 31-0394)*

28 46 13 31-0507	EA	Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716)	129.95	38.27
28 46 13 31-0508	EA	White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717)	129.95	38.27
28 46 13 31-0509	EA	Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721)	129.95	38.27

28 46 13 31-0510 Interior Speaker Strobe *(28 46 13 31-0394)*

28 46 13 31-0511	EA	Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151)	226.55	38.27
28 46 13 31-0512	EA	White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153)	226.55	38.27

28 46 13 31-0513 Surge Suppressors *(28 46 13 31-0394)*

28 46 13 31-0514	EA	Overvoltage Suppressor (Simplex 2081-9044)	157.01	7.65
28 46 13 31-0515	EA	Isolated Loop Circuit Protector (Simplex 2081-9028)	98.70	7.65
28 46 13 31-0516	EA	120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A)	341.78	7.65
28 46 13 31-0517	EA	24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B)	113.72	7.65
28 46 13 31-0518	EA	Mounting Base For Two DTK-2MHLP (Ditek DTK-2MB)	170.61	12.75
28 46 13 31-0519	EA	120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW)	116.70	7.65
28 46 13 31-0520	EA	<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP)	86.65	7.65

28 46 13 31-0521 Boxes And Adapters *(28 46 13 31-0394)*

28 46 13 31-0522	EA	Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921)	71.81	12.75
28 46 13 31-0523	EA	Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925)	67.60	12.75
28 46 13 31-0524	EA	Red, Surface Mount Adapter Skirt (Simplex 4905-9937)	59.35	12.75
28 46 13 31-0525	EA	White, Surface Mount Adapter Skirt (Simplex 4905-9940)	47.64	12.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0526		**Accessories** *(28 46 13 31-0394)*		
28 46 13 31-0527	EA	End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008)	30.40	12.75
28 46 13 31-0528		**Siemens Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0529		**Conventional Control Panels** *(28 46 13 31-0528)*		
28 46 13 31-0530		**SXL Batteries And Power Supplies** *(28 46 13 31-0529)*		
28 46 13 31-0531	EA	6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3)	1,335.38	51.02
28 46 13 31-0532	EA	Main Board Only For PAD-3 (Siemens PAD-3-MB)	1,069.37	51.02
28 46 13 31-0533		**Digital Fire Communicators** *(28 46 13 31-0529)*		
28 46 13 31-0534	EA	Four Channel Digital Slave Fire Communicator (Siemens 5129)	1,034.30	51.02
28 46 13 31-0535		**Addressable Control Panels** *(28 46 13 31-0528)*		
28 46 13 31-0536		**Fireseeker Equipment** *(28 46 13 31-0535)*		
28 46 13 31-0537		**FS-250 System Panels** *(28 46 13 31-0536)*		
28 46 13 31-0538	EA	FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.	2,974.45	510.23
28 46 13 31-0539	EA	FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT) Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	3,787.00	510.23
28 46 13 31-0540	EA	FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT) Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.	2,194.80	408.18
28 46 13 31-0541	EA	Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON)	2,979.28	510.23
28 46 13 31-0542		**FS-250 Optional Modules** *(28 46 13 31-0536)*		
28 46 13 31-0543	EA	Main Board Module (Siemens FS-MB2)	1,345.06	51.02
28 46 13 31-0544	EA	Display Board Module (Siemens FS-DB2)	1,057.03	25.51
28 46 13 31-0545	EA	Device Loop Card (Siemens FS-DLC)	863.57	25.51
28 46 13 31-0546	EA	Releasing Module (Siemens FS-REL)	375.07	25.51
28 46 13 31-0547	EA	Remote LCD Annunciator (Siemens FS-RD2)	857.52	25.51
28 46 13 31-0548	EA	Relay Processor Card (Siemens FS-RU2)	742.65	25.51
28 46 13 31-0549	EA	Relay Expander Board (Siemens FS-RE8)	631.41	25.51
28 46 13 31-0550	EA	Serial Annunciator Processor Card (Siemens FS-SAU2)	857.52	25.51
28 46 13 31-0551	EA	16 Output Annunciator Extender (Siemens FS-SAE16)	665.27	25.51
28 46 13 31-0552	EA	Digital Alarm Communication Transmitter (Siemens FS-DACT)	603.60	25.51
28 46 13 31-0553	EA	Municipal Tie Module (Siemens FS-MT)	510.50	25.51
28 46 13 31-0554	EA	Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2)	449.08	
28 46 13 31-0555	EA	Programming Cable Kit (Siemens CBL-UD)	118.61	12.75
28 46 13 31-0556	EA	Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE)	211.84	25.51
28 46 13 31-0557	EA	Releasing Power Transformer (Siemens FS-RPT-A)	215.46	25.51
28 46 13 31-0558	EA	Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB)	248.79	20.41
28 46 13 31-0559	EA	Cabinet Trim Kit (Siemens RD-CAB-TK)	417.27	12.75
28 46 13 31-0560		**Firefinder Systems** *(28 46 13 31-0535)*		
28 46 13 31-0561		**XLS Basic Fire System Packages Without Back Box** *(28 46 13 31-0560)*		
28 46 13 31-0562	EA	500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	10,931.81	510.23
28 46 13 31-0563	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	9,550.96	510.23
28 46 13 31-0564	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.	9,550.96	510.23
28 46 13 31-0565	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.	16,414.10	510.23

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0566	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.	16,987.23	510.23
28 46 13 31-0567	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,411.91	510.23
28 46 13 31-0568	EA	250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP) Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	9,411.91	510.23
28 46 13 31-0569	EA	250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP) Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.	11,027.33	510.23
28 46 13 31-0570		**Firefinder - XLS Basic System Equipment** *(28 46 13 31-0560)*		
28 46 13 31-0571	EA	Person Machine Interface With Central Processor (Siemens PMI) Note: Includes inner door.	5,050.56	510.23
28 46 13 31-0572	EA	Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC) Note: Includes inner door.	8,618.76	510.23
28 46 13 31-0573	EA	Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT) Note: Includes inner door.	5,050.56	510.23
28 46 13 31-0574	EA	Two Slot Card Cage (Siemens CC-2)	650.76	25.51
28 46 13 31-0575	EA	Five Slot Card Cage (Siemens CC-5)	1,111.44	25.51
28 46 13 31-0576	EA	Four Circuit Zone Indicating Card (Siemens ZIC-4A)	1,595.10	25.51
28 46 13 31-0577	EA	Eight Circuit Zone Indicating Card (Siemens ZIC-8B)	1,666.44	25.51
28 46 13 31-0578	EA	Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C)	515.33	25.51
28 46 13 31-0579	EA	Device Loop Card (Siemens DLC) Note: Interfaces with up to 252 detectors and devices.	1,893.76	25.51
28 46 13 31-0580	EA	Controllable Relay Card (Siemens CRC-6) Note: Provides six programmable relays.	1,065.50	25.51
28 46 13 31-0581	EA	12 Amperes Power Supply Charger Module (Siemens PSC-12)	4,081.12	25.51
28 46 13 31-0582	EA	Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI) Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	6,663.56	510.23
28 46 13 31-0583	EA	Network Interface Card (Siemens NIC-C) Note: Provides HNET Or XNET communication between enclosures.	1,249.29	25.51
28 46 13 31-0584	EA	12 Amperes Power Supply Extender (Siemens PSX-12) Note: Extends PSC-12 with an additional 24 volt DC.	3,391.90	25.51
28 46 13 31-0585	EA	Power Termination Board (Siemens PTB) Note: Used with systems requiring more than one PSX-12.	558.86	25.51
28 46 13 31-0586	EA	Conventional Detector Card (Siemens CDC-4)	1,203.34	25.51
28 46 13 31-0587	EA	Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS)	2,372.59	25.51
28 46 13 31-0588	EA	Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS)	8,573.11	25.51
28 46 13 31-0589		**Remote Lobby Enclosure** *(28 46 13 31-0560)*		
28 46 13 31-0590	EA	14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2) Note: Flush mounted. Includes clear lens plate on cover.	1,518.45	102.05
28 46 13 31-0591	EA	24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4) Note: Flush mounted. Includes clear lens plate on cover.	1,977.92	102.05
28 46 13 31-0592	EA	Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP) Note: Required to mount up to four SIM-16 or OCM-16 modules.	236.02	25.51
28 46 13 31-0593	EA	Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP) Note: Required to mount up to eight SIM-16 or OCM-16 modules.	258.99	25.51
28 46 13 31-0594		**Battery Enclosures** *(28 46 13 31-0560)*		
28 46 13 31-0595	EA	Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT)	918.71	102.05
28 46 13 31-0596		**Graphic Annunciator Output Drivers And Inputs** *(28 46 13 31-0560)*		
28 46 13 31-0597	EA	Output Control Module (Siemens OCM-16)	765.63	25.51
28 46 13 31-0598	EA	Supervised Input Module (Siemens SIM-16)	765.63	25.51
28 46 13 31-0599		**Remote LCD Displays** *(28 46 13 31-0560)*		
28 46 13 31-0600	EA	Remote LED/LCD System Status Display (Siemens SSD) Note: No control or menu capability.	1,764.87	76.53
28 46 13 31-0601	EA	Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C)	1,995.81	76.53
28 46 13 31-0602		**Voice Equipment** *(28 46 13 31-0560)*		
28 46 13 31-0603	EA	40 Watts Zone Amplifier Card (Siemens ZAC-40)	1,782.52	25.51
28 46 13 31-0604	EA	180 Watts Zone Amplifier Module (Siemens ZAM-180)	3,967.46	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0605	EA	Live Voice Module (Siemens LVM) Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,662.82	25.51
28 46 13 31-0606		MXL Series Equipment *(28 46 13 31-0535)*		
28 46 13 31-0607		MXL Optional Equipment *(28 46 13 31-0606)*		
28 46 13 31-0608	EA	Two Circuit Analog Loop Driver (Siemens ALD-2I)	1,906.10	51.02
28 46 13 31-0609	EA	CXL/MXL Interface Module (Siemens CMI-300)	4,984.35	25.51
28 46 13 31-0610	EA	Four Relay Programmable Relay Module (Siemens CRM-4)	844.22	25.51
28 46 13 31-0611	EA	Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4)	1,021.97	25.51
28 46 13 31-0612	EA	Remote Conventional Zone Module (Siemens CZM-1B6)	376.28	25.51
28 46 13 31-0613	EA	Short Circuit Line Isolator Module (Siemens Model LIM-1)	227.56	25.51
28 46 13 31-0614	EA	Four Circuit Conventional Zone Module (Siemens CZM-4)	994.16	25.51
28 46 13 31-0615	EA	12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD)	342.54	38.27
28 46 13 31-0616	EA	Lexan Window For RCC (Siemens GENBOX-WD)	235.49	20.41
28 46 13 31-0617	EA	Input Driver Module (Siemens MID-16)	647.13	25.51
28 46 13 31-0618	EA	Programmable Output Driver Module (Siemens MOD-16)	647.13	25.51
28 46 13 31-0619	EA	MXL Output/Input Module (Siemens MOI-7)	1,043.73	25.51
28 46 13 31-0620	EA	Two Slot Network Option Module Card Cage (Siemens MOM-2)	549.19	25.51
28 46 13 31-0621	EA	Four Slot Network Option Module Card Cage (Siemens MOM-4)	872.03	25.51
28 46 13 31-0622	EA	12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220)	2,137.29	76.53
28 46 13 31-0623	EA	12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240)	2,137.29	76.53
28 46 13 31-0624	EA	Network Interface Module (Siemens NIM-1W)	1,563.67	25.51
28 46 13 31-0625	EA	U.L. Listed Parallel Printer (Siemens PAL-1)	4,073.38	102.05
28 46 13 31-0626	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324)	448.83	25.51
28 46 13 31-0627	EA	Surface Mounted Remote Command Center (Siemens RCC-1)	4,242.84	510.23
28 46 13 31-0628	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL)	528.88	51.02
28 46 13 31-0629	EA	Flush Mounted Remote Command Center (Siemens RCC-1F)	4,242.84	510.23
28 46 13 31-0630	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL)	543.39	51.02
28 46 13 31-0631	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2)	3,196.93	510.23
28 46 13 31-0632	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3)	4,924.81	510.23
28 46 13 31-0633	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1)	79.92	12.75
28 46 13 31-0634	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL)	6,389.63	51.02
28 46 13 31-0635	EA	Remote Diagnostics Module For PC (Siemens RDM-PC)	13,640.90	51.02
28 46 13 31-0636	EA	Releasing End Of Line Module (Siemens REL-EOL)	182.82	25.51
28 46 13 31-0637	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC)	4,064.43	51.02
28 46 13 31-0638	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL)	3,879.43	51.02
28 46 13 31-0639	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1)	2,019.03	102.05
28 46 13 31-0640		Complete MXL And MXLV System Packages Without Enclosure *(28 46 13 31-0606)*		
28 46 13 31-0641	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.	14,432.30	510.23
28 46 13 31-0642	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP) Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.	18,964.19	510.23
28 46 13 31-0643	EA	MXLV Demonstration Panel (Siemens MXLV DEMO)	40,129.15	510.23
28 46 13 31-0644		MXL Basic System *(28 46 13 31-0606)*		
28 46 13 31-0645	EA	MXL/MXLV Main Control Board (Siemens MMB-3)	8,729.95	510.23
28 46 13 31-0646	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL) Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.	11,437.23	510.23
28 46 13 31-0647	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2)	3,423.59	51.02
28 46 13 31-0648	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5)	4,296.59	51.02
28 46 13 31-0649	EA	6 Amperes Power Supply For MXL (Siemens MPS-6)	1,458.95	76.53
28 46 13 31-0650	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12)	104.10	12.75
28 46 13 31-0651		MXL/MXLR System Expansion Accessories *(28 46 13 31-0606)*		
28 46 13 31-0652	EA	MXL Remote Power Supply Module (Siemens PSR-1)	1,801.14	76.53
28 46 13 31-0653	EA	Style 4 Communication Module (Siemens NET-4)	364.19	25.51
28 46 13 31-0654	EA	Style 7 Communication Module (Siemens NET-7)	674.94	25.51
28 46 13 31-0655	EA	MXL/MXL-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6)	399.26	25.51
28 46 13 31-0656		Peripheral Devices *(28 46 13 31-0535)*		
28 46 13 31-0657		Thermal Detectors *(28 46 13 31-0656)*		
28 46 13 31-0658	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R)	135.78	38.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0659	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R)	135.78	38.27
28 46 13 31-0660	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F)	135.78	38.27
28 46 13 31-0661	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F)	135.78	38.27
28 46 13 31-0662	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP)	226.46	38.27
28 46 13 31-0663	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP)	226.46	38.27
28 46 13 31-0664	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP)	592.84	38.27
28 46 13 31-0665		**Beam Smoke Detector** *(28 46 13 31-0656)*		
28 46 13 31-0666	EA	Linear Beam Smoke Detector (Siemens PBA-1191)	2,873.80	38.27
28 46 13 31-0667	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191)	325.38	12.75
28 46 13 31-0668	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192)	329.01	12.75
28 46 13 31-0669	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193)	164.56	12.75
28 46 13 31-0670		**Bases For Detectors** *(28 46 13 31-0656)*		
28 46 13 31-0671	EA	Detector Base (Siemens DB-11)	43.65	12.75
28 46 13 31-0672	EA	Universal Base (Siemens DB-3S)	40.02	12.75
28 46 13 31-0673		**Manual Stations** *(28 46 13 31-0656)*		
28 46 13 31-0674	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP)	350.22	30.61
28 46 13 31-0675		**Addressable Devices** *(28 46 13 31-0535)*		
28 46 13 31-0676		**Intelligent Detectors And Devices For Firefinder XLS And FS-250** *(28 46 13 31-0675)*		
28 46 13 31-0677	EA	Addressable Fireprint Fire Detector (Siemens HFP-11)	284.50	38.27
28 46 13 31-0678	EA	Addressable Thermal Fire Detector (Siemens HFPT-11)	242.18	38.27
28 46 13 31-0679	EA	Relay Base For H-Series Intelligent Detectors (Siemens DB-HR)	192.61	38.27
28 46 13 31-0680	EA	Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC)	121.27	38.27
28 46 13 31-0681	EA	Wall Mounted Remote Alarm Indicator (Siemens RL-HW)	121.27	38.27
28 46 13 31-0682	EA	Addressable Single Action Manual Pull Station (Siemens HMS-S)	306.15	25.51
28 46 13 31-0683	EA	Addressable Double Action Manual Pull Station (Siemens HMS-D)	291.64	25.51
28 46 13 31-0684	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S)	227.56	25.51
28 46 13 31-0685	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D)	281.97	25.51
28 46 13 31-0686	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R)	281.97	25.51
28 46 13 31-0687	EA	Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M)	209.42	25.51
28 46 13 31-0688	EA	Line Isolator Module (Siemens HLIM)	216.67	25.51
28 46 13 31-0689	EA	Remote Convention Zone Module (Siemens HZM)	327.92	25.51
28 46 13 31-0690	EA	Intelligent Control Point Module (Siemens HCP)	419.81	25.51
28 46 13 31-0691	EA	Handheld Programming And Testing Unit (Siemens DPU)	1,911.78	
28 46 13 31-0692	EA	DPU Carrying Case (Siemens DPU-C1)	291.00	
28 46 13 31-0693	EA	Label Printer And Carrying Case (Siemens DPU-PRT)	3,272.20	25.51
28 46 13 31-0694		**Air Duct Housings And Detectors** *(28 46 13 31-0675)*		
28 46 13 31-0695	EA	Air-Duct Housing (Siemens AD2-P)	339.48	20.41
28 46 13 31-0696	EA	Air-Duct Housing With Relay (Siemens AD2-XHR)	385.43	20.41
28 46 13 31-0697	EA	Weatherproof Enclosure For Duct Housing (Siemens WP-2000)	303.73	25.51
28 46 13 31-0698	EA	6" To 1' Duct Sampling Tube (Siemens ST-10)	39.49	7.65
28 46 13 31-0699	EA	>1' To 3' Duct Sampling Tube (Siemens ST-25)	48.22	10.21
28 46 13 31-0700	EA	>3' To 5' Duct Sampling Tube (Siemens ST-50)	60.58	12.75
28 46 13 31-0701	EA	>5' To 10' Duct Sampling Tube (Siemens ST-100)	70.51	15.31
28 46 13 31-0702		**Intelligent Initiating Devices For MXL, MXL-LQ And MXLV** *(28 46 13 31-0675)*		
28 46 13 31-0703	EA	Addressable Fireprint Fire Detector (Siemens FP-11)	297.80	38.27
28 46 13 31-0704	EA	Addressable Thermal Fire Detector (Siemens FPT-11)	253.07	38.27
28 46 13 31-0705	EA	Intelligent Ionization Smoke Detector (Siemens ILI-1)	331.66	38.27
28 46 13 31-0706	EA	Addressable Single Action Manual Pull Station (Siemens MSI-10B)	297.69	25.51
28 46 13 31-0707	EA	Addressable Double Action Manual Pull Station (Siemens MSI-20B)	330.33	25.51
28 46 13 31-0708	EA	Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S)	301.31	25.51
28 46 13 31-0709	EA	Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D)	335.17	25.51
28 46 13 31-0710	EA	Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R)	335.17	25.51
28 46 13 31-0711		**Detector Universal Bases** *(28 46 13 31-0675)*		
28 46 13 31-0712	EA	Detector Base With Relay (Siemens DB-X11RS)	140.38	12.75
28 46 13 31-0713	EA	PE-11 To DB-3 Base Adapter (Siemens DB-ADPT)	67.83	12.75
28 46 13 31-0714	EA	Locking Kit (Siemens LK-11)	11.18	
28 46 13 31-0715	EA	Detector Base With Relay (Siemens DB-X3RS)	140.38	12.75
28 46 13 31-0716	EA	Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11)	164.56	12.75
28 46 13 31-0717	EA	Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX)	64.20	12.75
28 46 13 31-0718	EA	Flush Trim Ring For Bases (Siemens RA-ADB)	29.82	7.65
28 46 13 31-0719	EA	Seal For DB-11 (Siemens DB11-SEAL)	14.09	
28 46 13 31-0720	EA	Gasket For DB-11 (Siemens DB-SEAL)	15.68	
28 46 13 31-0721	EA	Detector Guard Housing (Siemens DGH-11)	209.30	12.75
28 46 13 31-0722	EA	Small Detector Base (Siemens DB-11E)	48.48	12.75
28 46 13 31-0723	EA	Audible Base For Series 3 (Siemens ADBI-60A)	186.33	12.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0724	EA	Base Plug (Siemens DB-11-DP)	11.13	
28 46 13 31-0725		**Air Duct Smoke Detectors** *(28 46 13 31-0675)*		
28 46 13 31-0726	EA	Intelligent Remote Duct Relay Module (Siemens DA-X3SR)	148.96	25.51
28 46 13 31-0727	EA	Weatherproof Enclosure For Duct Housing (Siemens EAD-3)	833.34	25.51
28 46 13 31-0728		**Notification Devices** *(28 46 13 31-0535)*		
28 46 13 31-0729		**Synchronization Control Devices** *(28 46 13 31-0728)*		
28 46 13 31-0730	EA	Dual Synchronization Control Module (Siemens DSC)	227.56	25.51
28 46 13 31-0731		**Stand-Alone Strobes** *(28 46 13 31-0728)*		
28 46 13 31-0732	EA	Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R)	179.31	38.27
28 46 13 31-0733	EA	Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R)	197.45	38.27
28 46 13 31-0734	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR)	179.31	38.27
28 46 13 31-0735	EA	Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR)	197.45	38.27
28 46 13 31-0736	EA	Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW)	197.45	38.27
28 46 13 31-0737	EA	Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW)	179.31	38.27
28 46 13 31-0738	EA	Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R)	210.75	38.27
28 46 13 31-0739	EA	Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP)	201.07	38.27
28 46 13 31-0740	EA	Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP)	201.07	38.27
28 46 13 31-0741	EA	Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP)	216.79	38.27
28 46 13 31-0742	EA	Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP)	216.79	38.27
28 46 13 31-0743		**Horns And Strobes** *(28 46 13 31-0728)*		
28 46 13 31-0744	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R)	250.65	38.27
28 46 13 31-0745	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R)	266.37	38.27
28 46 13 31-0746	EA	Wall Mounted Horn (Siemens SE-R)	135.78	38.27
28 46 13 31-0747	EA	Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR)	250.65	38.27
28 46 13 31-0748	EA	Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR)	266.37	38.27
28 46 13 31-0749	EA	Ceiling Mounted Horn (Siemens SEC-R)	143.03	38.27
28 46 13 31-0750	EA	Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R)	250.65	38.27
28 46 13 31-0751	EA	Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R)	266.37	38.27
28 46 13 31-0752	EA	Wall Mounted Low Profile Horn (Siemens SEF-R)	135.78	38.27
28 46 13 31-0753	EA	Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW)	250.65	38.27
28 46 13 31-0754	EA	Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW)	266.37	38.27
28 46 13 31-0755	EA	Ceiling Mounted Low Profile Horn (Siemens SEF-CR)	143.03	38.27
28 46 13 31-0756	EA	Mini Horn (Siemens MH-R)	109.18	38.27
28 46 13 31-0757	EA	Indoor/Outdoor Multi Tone Horn (Siemens MTH-R)	145.45	38.27
28 46 13 31-0758	EA	Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R)	234.93	38.27
28 46 13 31-0759	EA	Industrial Tri-Tone Horn (Siemens ASR)	711.33	38.27
28 46 13 31-0760	EA	Wall Mounted Horn (Siemens HS-R)	145.45	38.27
28 46 13 31-0761	EA	Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R)	236.14	38.27
28 46 13 31-0762	EA	Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R)	255.48	38.27
28 46 13 31-0763	EA	6" Motor Bell (Siemens MBDC-6)	169.63	38.27
28 46 13 31-0764	EA	10" Motor Bell (Siemens MBDC-10)	187.77	38.27
28 46 13 31-0765		**Mounting Accessories** *(28 46 13 31-0728)*		
28 46 13 31-0766	EA	Concealed Conduit Adapter Plate (Siemens APS-R)	40.02	12.75
28 46 13 31-0767	EA	4" x 1-1/2" Surface Mounted Back Box (Siemens BBS-R)	40.02	12.75
28 46 13 31-0768	EA	4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R)	41.23	12.75
28 46 13 31-0769	EA	Red Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX)	70.25	12.75
28 46 13 31-0770	EA	White Weatherproof Surface Mount Back Box (Siemens MT-SUR-BOX-W)	54.53	12.75
28 46 13 31-0771	EA	Surface Mounted Speaker Back Box (Siemens SBBS-R)	58.16	12.75
28 46 13 31-0772	EA	Surface Mounted Speaker Back Box (Siemens SBL2S-R)	62.99	12.75
28 46 13 31-0773	EA	Square Semi-Flush Extension Ring (Siemens SERS-R)	48.48	12.75
28 46 13 31-0774	EA	Semi-Flush Plate (Siemens SFPS-R)	38.81	12.75
28 46 13 31-0775	EA	Square Surface Back Box (Siemens SHBBS-R)	48.48	12.75
28 46 13 31-0776	EA	Horn Adapter Plate (Siemens SHMPS-R)	46.07	12.75
28 46 13 31-0777	EA	Ceiling Speaker Extension Ring (Siemens SPEXT-R)	40.02	12.75
28 46 13 31-0778	EA	Wall Mounted Surface Mounted Speaker Back Box (Siemens SPSB-R)	54.53	12.75
28 46 13 31-0779	EA	Wall Mounted Surface Mounted Speaker/Strobe Back Box (Siemens SPSSB-R)	58.16	12.75
28 46 13 31-0780	EA	Weatherproof Speaker Back Box (Siemens WBBS-R)	55.74	12.75
28 46 13 31-0781	EA	Weatherproof Speaker Back Box With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B)	62.99	12.75
28 46 13 31-0782	EA	Weatherproof Flush Plate (Siemens WFPAS-R)	62.99	12.75
28 46 13 31-0783	EA	Weatherproof Horn Flush Plate (Siemens WFPS-R)	62.99	12.75
28 46 13 31-0784	EA	Weatherproof Horn Back Box (Siemens WPBBS-R)	58.16	12.75
28 46 13 31-0785	EA	Weatherproof Strobe Back Box (Siemens WPSBBS-R)	58.16	12.75
28 46 13 31-0786	EA	Surface Mounted Weatherproof Back Box Kit (Siemens WPS-KIT)	40.02	12.75
28 46 13 31-0787	EA	Z Series Back Box (Siemens ZBB-R)	46.07	12.75
28 46 13 31-0788		**Door Holders** *(28 46 13 31-0728)*		
28 46 13 31-0789	EA	120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A)	388.49	38.27
28 46 13 31-0790	EA	24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D)	388.49	38.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0791		**Voice Equipment** *(28 46 13 31-0535)*		
28 46 13 31-0792		**Voicecom** *(28 46 13 31-0791)*		
28 46 13 31-0793	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM)	5,996.11	510.23
28 46 13 31-0794	EA	Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L)	9,684.02	510.23
28 46 13 31-0795		**Johnson Controls Fire Alarm** *(28 46 13 31)*		
28 46 13 31-0796	EA	Intelligent Addressable ION Detector; With FlashScan. (Johnson Controls, Inc. #1951J)	217.47	38.27
28 46 13 31-0797	EA	Intelligent Addressable Photo Detector; With FlashScan. (Johnson Controls, Inc. #2951J)	214.85	38.27
28 46 13 31-0798	EA	Intelligent Addressable Photo/Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TJ)	274.89	38.27
28 46 13 31-0799	EA	Acclimate™ Intelligent Photo Thermal Detector; With FlashScan. (Johnson Controls, Inc. #2951TMJ)	274.05	38.27
28 46 13 31-0800	EA	411UD, 4 Channel Dual. (Johnson Controls, Inc. #411UD)	791.23	51.02
28 46 13 31-0801	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951HJ)	204.09	38.27
28 46 13 31-0802	EA	Intelligent Addressable High Temperature Heat Detector; With FlashScan. (Johnson Controls, Inc. #5951J)	179.25	38.27
28 46 13 31-0803	EA	Intelligent Addressable Rate-of-Rise Thermal Detector; With FlashScan. (Johnson Controls, Inc. #5951RJ)	173.98	38.27
28 46 13 31-0804	EA	Intelligent Addressable Laser Detector; Low Profile, Use With IFC Series Panels Only. (Johnson Controls, Inc. #7351J)	578.86	38.27
28 46 13 31-0805	EA	100 Watts Audio Amplifier At 70.7 VRMS With Built-in Tone Generator, 120 Volt AC (Johnson Controls, Inc. #AA-100)	2,891.73	76.53
28 46 13 31-0806	EA	AUDIO Amplifier, 100 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-100E)	2,800.15	76.53
28 46 13 31-0807	EA	120 Watts Audio Amplifier At 25 VRMS With Built-in Tone Generator, 120 Voltage AC (Johnson Controls, Inc. #AA-120)	2,849.56	76.53
28 46 13 31-0808	EA	AUDIO Amplifier, 120 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-120E)	2,726.20	76.53
28 46 13 31-0809	EA	30 Watts Audio Amplifier At 25 VRMS, 120 Voltage AC (Johnson Controls, Inc. #AA-30)	1,301.02	76.53
28 46 13 31-0810	EA	AUDIO Amplifier, 30 Watts, 230 Voltage AC (Johnson Controls, Inc. #AA-30E)	1,301.02	76.53
28 46 13 31-0811	EA	Annunciator Control Module With; 16 Red Alarm LED's, 16 Yellow Trouble LED's, And 16 Control Switches, On-line, System Trouble Led, And Local Sounder, Local Acknowledge And Lamp Test Switch, Supports 1, 2 Or 3 AEM-16AT Expander Modules. (Johnson Controls, Inc. #ACM-16AT)	1,337.60	25.51
28 46 13 31-0812	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED, Trouble LED And Switch Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) By Point To Be Red, Green Or Yellow And The Trouble LED Is Always Yellow. Expandable With One, Two Or Three AEM-24AT's. (Johnson Controls, Inc. #ACM-24AT)	1,391.97	25.51
28 46 13 31-0813	EA	Annunciator Control Module; Includes 32 Red Alarm LED's, System Trouble LED And On-line LED, Local Acknowledge, Lamp Test Switch, And Local Piezo Sounder, Supports One AEM-32A Expander Module. (Johnson Controls, Inc. #ACM-32A)	1,017.80	25.51
28 46 13 31-0814	EA	IFC Series ACS Annunciator; Up To 96 Points Of Annunciation With Alarm Or Active LED Per Circuit. Active/Alarm LEDs Can Be Programmed (By Powered Up Switch Selection) In Groups Of 24 To Be Red, Green Or Yellow. Expandable To 96 Points With One AEM-48A. (Johnson Controls, Inc. #ACM-48A)	1,017.80	25.51
28 46 13 31-0815	EA	Annunciator, Relay, Form C. (Johnson Controls, Inc. #ACM-8R)	712.81	25.51
28 46 13 31-0816	EA	Charger Power Supply - 6 Or 10 Amperes; Mounts In CAB-PS1, CAB-3/4, EQ Cabx, BB-25, Or CHS-PS1; Comes With The PK-PPS Programming Utility. Windows® PC And USB Cable Required For Programming. (Johnson Controls, Inc. #ACPS-610)	2,320.26	51.02
28 46 13 31-0817	EA	Annunciator Expander Module With: 16 Red Alarm LED's, 16 Yellow Trouble LED's, 16 Control Switches, Cable For Connection To The ACM-16AT Master. (Johnson Controls, Inc. #AEM-16AT)	1,017.80	25.51
28 46 13 31-0818	EA	Annunciator Expander Module; 24 Alarm And Trouble LEDs, Expands The ACM-24AT To 48, 72 Or 96 Points. (Johnson Controls, Inc. #AEM-24AT)	1,058.67	25.51
28 46 13 31-0819	EA	Annunciator Expander Module With: 32 Red Alarm LED's, Cable For Connection To The ACM-32A Master. (Johnson Controls, Inc. #AEM-32A)	910.56	25.51
28 46 13 31-0820	EA	Annunciator Expander Module; 48 Alarm LEDs, Expands The ACM-48A To 96 Points. (Johnson Controls, Inc. #AEM-48A)	910.56	25.51
28 46 13 31-0821	EA	Back Box, Flush Or Surface Mount; Requires A Door And Telephone Chassis. (Johnson Controls, Inc. #AFAWS-BX)	140.19	22.96
28 46 13 31-0822	EA	Receiver, Multimode Fiber. (Johnson Controls, Inc. #AFL-RM)	1,384.94	51.02
28 46 13 31-0823	EA	Receiver, Singlemode Fiber. (Johnson Controls, Inc. #AFL-RS)	3,059.67	51.02
28 46 13 31-0824	EA	Transmit, Multimode Fiber. (Johnson Controls, Inc. #AFL-TM)	1,384.94	51.02
28 46 13 31-0825	EA	Transmit, Singlemode Fiber. (Johnson Controls, Inc. #AFL-TS)	3,059.67	51.02
28 46 13 31-0826	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B110LP)	47.69	12.75
28 46 13 31-0827	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224BI)	143.10	12.75
28 46 13 31-0828	EA	Base, Smoke Detector, Intelligent. (Johnson Controls, Inc. #B224RB)	134.47	12.75
28 46 13 31-0829	EA	Base, Smoke Detector, 2 Wire. (Johnson Controls, Inc. #B401)	51.37	12.75
28 46 13 31-0830	EA	Intelligent Detector Base, Without Flange. (Johnson Controls, Inc. #B501J)	45.25	12.75
28 46 13 31-0831	EA	Battery Cabinet, Lockable. (Johnson Controls, Inc. #BB-100)	1,000.52	51.02
28 46 13 31-0832	EA	Projected Beam Smoke Detector, Single-ended Reflected Type, Includes Trouble Relay, Transmitter/Receiver In One Unit. (Johnson Controls, Inc. #Beam1224)	2,371.28	76.53
28 46 13 31-0833	EA	Same As Beam1224 With Built-in Sensitivity Test Filter. (Johnson Controls, Inc. #Beam1224S)	2,509.93	76.53
28 46 13 31-0834	EA	Mounting Kit, Long RG, Beam. (Johnson Controls, Inc. #BeamLRK)	275.06	12.75
28 46 13 31-0835	EA	Mounting Kit, Beam Detect. (Johnson Controls, Inc. #BeamMMK)	182.65	12.75
28 46 13 31-0836	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-5025)	2,373.32	76.53
28 46 13 31-0837	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5025F)	2,186.43	76.53
28 46 13 31-0838	EA	Digital Audio Amplifier, 50 Watts, 25 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5025SF)	2,186.43	76.53
28 46 13 31-0839	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS (Johnson Controls, Inc. #DAA-5070)	2,575.21	76.53
28 46 13 31-0840	EA	Amplifier, Digital Audio. (Johnson Controls, Inc. #DAA-5070E)	2,371.28	76.53
28 46 13 31-0841	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Multi-Fiber (Johnson Controls, Inc. #DAA-5070F)	2,371.28	76.53
28 46 13 31-0842	EA	Digital Audio Amplifier, 50 Watts, 70 VRMS, Single-Fiber (Johnson Controls, Inc. #DAA-5070SF)	2,371.28	76.53
28 46 13 31-0843	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS (Johnson Controls, Inc. #DAA-7525)	2,846.61	76.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0844	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Multi Fiber (Johnson Controls, Inc. #DAA-7525F)	2,846.61	76.53
28 46 13 31-0845	EA	Digital Audio Amplifier, 75 Watts, 25 VRMS, Single Fiber (Johnson Controls, Inc. #DAA-7525SF)	2,846.61	76.53
28 46 13 31-0846	EA	Innovairflex Intelligent. (Johnson Controls, Inc. #DNR)	284.06	25.51
28 46 13 31-0847	EA	Innovairflex Duct Detect. (Johnson Controls, Inc. #DNRW)	445.69	25.51
28 46 13 31-0848	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1)	35.14	10.21
28 46 13 31-0849	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST1.5)	38.94	10.21
28 46 13 31-0850	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST10)	101.71	15.31
28 46 13 31-0851	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST3)	47.46	10.21
28 46 13 31-0852	EA	Innovairflex Sample Tube. (Johnson Controls, Inc. #DST5)	58.50	12.75
28 46 13 31-0853	EA	Digital Voice Command, Analog Output. (Johnson Controls, Inc. #DVC-AO)	448.43	25.51
28 46 13 31-0854	EA	Digital Voice Command, Keypad. (Johnson Controls, Inc. #DVC-KD)	739.81	51.02
28 46 13 31-0855	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; B Size, Black. (Johnson Controls, Inc. #EQBB-B4)	591.47	76.53
28 46 13 31-0856	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or Amperes-24; C Size, Black. (Johnson Controls, Inc. #EQBB-C4)	840.40	76.53
28 46 13 31-0857	EA	Equipment Cabinet Used To House DAA Digital Amplifiers, XP10/6 Series Transponders, AA-Amplifiers, ACPS-610 Or AMPS-24; D Size, Black. (Johnson Controls, Inc. #EQBB-D4)	923.58	76.53
28 46 13 31-0858	EA	Equipment Cabinet Door; B Size Black. (Johnson Controls, Inc. #EQDR-B4)	508.96	10.21
28 46 13 31-0859	EA	Equipment Cabinet Door; C Size Black. (Johnson Controls, Inc. #EQDR-C4)	770.88	10.21
28 46 13 31-0860	EA	Equipment Cabinet Door; D Size Black. (Johnson Controls, Inc. #EQDR-D4)	847.92	10.21
28 46 13 31-0861	EA	6.0 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S6) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	964.01	102.05
28 46 13 31-0862	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Johnson Controls, Inc. #FCPS-24S8) Note: Includes Main Printed Circuit Board, Transformers And Installation Instructions	1,286.70	102.05
28 46 13 31-0863	EA	80 Character Display Annunciator. "Security Keypad" Mechanical Design. For Use With The IFC-320, JCPU2-640, JCPU-640 And IFC-400/300 (Rev 3.62+) Only. (Johnson Controls, Inc. #FDU-80G)	1,234.47	76.53
28 46 13 31-0864	EA	Fireman's Telephone Hand Set. (Johnson Controls, Inc. #FHS)	228.85	12.75
28 46 13 31-0865	EA	Fire Phone Storage Cabinet, Recessed, Holds 6 Phones. (Johnson Controls, Inc. #FHSC-R)	655.49	25.51
28 46 13 31-0866	EA	Door Holder, Magnetic, Floor. (Johnson Controls, Inc. #FM980)	329.61	38.27
28 46 13 31-0867	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM996)	264.05	38.27
28 46 13 31-0868	EA	Door Holder, Magnetic, Wall. (Johnson Controls, Inc. #FM998)	278.97	38.27
28 46 13 31-0869	EA	Addressable Beam Detector. (Johnson Controls, Inc. #FSB-200)	2,434.28	51.02
28 46 13 31-0870	EA	Addressable Beam Detector With Remote Test Feature. (Johnson Controls, Inc. #FSB-200S)	2,981.35	51.02
28 46 13 31-0871	EA	Intelligent Addressable HARSH (Hostile Area Smoke Head) Detector; Photo, Requires B501B-FTXJ Base. (Johnson Controls, Inc. #FTX-P2J)	893.81	25.51
28 46 13 31-0872	EA	IFC-320 Intelligent Fire Alarm Panel; Single Printed Circuit Board With One SLC Loop (318 Devices), Back-lit, 80 Character Display, System And Programming Keypad And 6.0 Amperes Power Supply, 120 Volt AC, (Johnson Controls, Inc. #IFC-320) Note: Includes Door, Dress Panel And Back Box, Black	5,922.52	408.18
28 46 13 31-0873	EA	Upgrade Kit, ORG BLD, 640. (Johnson Controls, Inc. #IFC-640UG)	3,007.91	51.02
28 46 13 31-0874	EA	Workstation Only Workstation GUI Software And Hardware Package. (Johnson Controls, Inc. #IFI)	39,419.38	612.28
28 46 13 31-0875	EA	Workstation With NFN Fiber PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-F) Fiber Version. (Johnson Controls, Inc. #IFI-F)	43,116.40	612.28
28 46 13 31-0876	EA	Workstation With Echelon Wire PC Card Workstation GUI Software And Hardware Package For Building Systems Integration, WSSUP Workstation Supervisor. Includes Echelon® Gateway (ECH-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-IP)	48,661.94	612.28
28 46 13 31-0877	EA	Workstation With NFN Wire PC Card Workstation GUI Software And Hardware Package. Includes NFN Gateway (JNFN-GW-PC-W) Wire Version. (Johnson Controls, Inc. #IFI-W)	43,116.40	612.28
28 46 13 31-0878	EA	Annunciator Flush Box. Mounts One Annunciator Module. (Johnson Controls, Inc. #JABF-1B)	285.71	15.31
28 46 13 31-0879	EA	Annunciator Flush Box. One Module. Attractive Glass Door And Key Lock. (Johnson Controls, Inc. #JABF-1DB)	322.68	15.31
28 46 13 31-0880	EA	Annunciator Flush Box. Mounts Two Annunciator Modules. (Johnson Controls, Inc. #JABF-2B)	352.26	15.31
28 46 13 31-0881	EA	Annunciator Flush Box. Mounts Four Annunciator Modules. (Johnson Controls, Inc. #JABF-4B)	666.51	15.31
28 46 13 31-0882	EA	Annunciator Surface Box. Deep With Trim Cover. (Johnson Controls, Inc. #JABS-1TB)	212.64	10.21
28 46 13 31-0883	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2D) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Black.	327.51	22.96
28 46 13 31-0884	EA	Surface (or Semi-flush) Mount Back Box (Johnson Controls, Inc. #JABS-2DR) Note: Used With The INA, ACS Annunciators, SCS Series, JNCA And JNCA-2 Red.	348.71	22.96
28 46 13 31-0885	EA	Surface (or Semi-flush) Mount INA, ACS, Or SCS Back Box, Black. (Johnson Controls, Inc. #JABS-4D)	652.22	22.96
28 46 13 31-0886	EA	Audio Command Door For CAB-B4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-B4)	658.17	10.21
28 46 13 31-0887	EA	Audio Command Door For CAB-C4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-C4)	889.23	10.21
28 46 13 31-0888	EA	Audio Command Door For CAB-D4, Black; Required When Using CA-2. (Johnson Controls, Inc. #JADDR-D4)	1,101.81	10.21
28 46 13 31-0889	EA	Addressable Pull Station; With FlashScan. (Johnson Controls, Inc. #JBG-12LX)	296.26	25.51
28 46 13 31-0890	EA	Battery Dress Panel For CAB-4 Series; For Use With The JCPU2-3030, JCPU2-640, JNCA-2, And DVC Systems. (Johnson Controls, Inc. #JBP2-4)	139.29	10.21
28 46 13 31-0891	EA	JCPU2-3030 CPU With 640-character Display; Required For Single Panel (One CPU2-3030) Systems. Includes: CPU, 640-Character Backlit LCD Display, QWERTY Programming And Control Keypad, Installation, Programming And Operating Manuals. Supports One To 10 Signaling Line Circuits (Up To Five LCM-320 And Five LEM-320). Order One Per System Or As Necessary (Up To 103 Network Nodes) For A Networked System. Requires Top Row Of A Cabinet. (Johnson Controls, Inc. #JCPU2-3030D)	5,908.53	408.18
28 46 13 31-0892	EA	Central Processing Unit For The JCPU2-640 With Integral 120 Volt AC Power Supply (Johnson Controls, Inc. #JCPU2-640) Note: Includes CHS2-M2 Chassis	4,258.66	306.14
28 46 13 31-0893	EA	Main Board, CPU, IFC3030, DI. (Johnson Controls, Inc. #JCPU-3030D)	7,743.74	408.18
28 46 13 31-0894	EA	Main Board, CPU, IFC640. (Johnson Controls, Inc. #JCPU-640)	7,488.89	306.14
28 46 13 31-0895	EA	Main Board, CPU, IFC640, EUR. (Johnson Controls, Inc. #JCPU-640E)	5,345.00	306.14
28 46 13 31-0896	EA	Digital Voice Command, Extended Memory. (Johnson Controls, Inc. #JDVC-EM)	3,003.30	38.27
28 46 13 31-0897	EA	Digital Voice Command, Extended Memory, Multi-Fiber. (Johnson Controls, Inc. #JDVC-EMF)	3,034.15	38.27
28 46 13 31-0898	EA	Digital Voice Command, Extended Memory, Single-Fiber. (Johnson Controls, Inc. #JDVC-EMSF)	3,034.15	38.27
28 46 13 31-0899	EA	Annunciator, Network Control. (Johnson Controls, Inc. #JNCA)	3,587.45	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0900	EA	Network Control Annunciator-2, 640-characters; On Single Panel (one JCPU2-640) JCPU2-640 Systems, The JNCA-2 Can Be The Primary Display For The Panel And Connects Directly To The JCPU2-640. On Network Systems (Two Or More JCPU2-640's), One Network Display (Either JNCA-2 Or IFW) Is Required For Every System And Each JNCA-2 Connects To And Requires An NCM Network Control Module. Mounts In A Row Of FACP Node Or In Two Annunciator Module Positions. (Johnson Controls, Inc. #JNCA-2) Note: Mounting Includes: NCA/640-2-Kit (directly Mounting To The CHS2-M2), CA-2, ADP-4B, Or In An Annunciator Box, Such As The ABS-2DB (requires The CHS-2D).	3,035.64	51.02
28 46 13 31-0901	EA	Mass Notification Voice Paging; Requires JNOTIFY-PAA Hardware Package (Sold Separately). (Johnson Controls, Inc. #JNOTIFY-IP)	2,460.80	306.14
28 46 13 31-0902	EA	160 Character Display Annunciator; For Use With JCPU-3030 And JCPU2-3030. (Johnson Controls, Inc. #LCD-160)	2,147.65	51.02
28 46 13 31-0903	EA	80 Character LCD Annunciator. Mounts In ABS-1T, ABF-1D, ABF-2D, Or Flush Back Box. (Johnson Controls, Inc. #LCD-80)	1,761.24	51.02
28 46 13 31-0904	EA	Loop Control Module. Each LCM May Be Expanded To Two Loops By Adding A LEM-320. IFC2- 3030 And IFC-3030 Only. (Johnson Controls, Inc. #LCM-320)	2,853.35	51.02
28 46 13 31-0905	EA	Lamp Driver Annunciator Control Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-32)	885.05	12.75
28 46 13 31-0906	EA	Cable 24": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL24)	281.03	10.21
28 46 13 31-0907	EA	Cable 48": LDM TO Annunciator. (Johnson Controls, Inc. #LDM-CBL48)	347.58	10.21
28 46 13 31-0908	EA	Lamp Driver Annunciator Expander Module. For Use With Custom Graphic Annunciators. 32 Points. (Johnson Controls, Inc. #LDM-E32)	711.33	12.75
28 46 13 31-0909	EA	Relay Module. 32 Form-A Contacts. Connects To LDM-32 Or LDM-E32. (Johnson Controls, Inc. #LDM-R32)	1,312.09	12.75
28 46 13 31-0910	EA	Loop Expander Module. Mounts As Daughter Board To LCM-320 To Provide Even Numbered SLC Loops. (Johnson Controls, Inc. #LEM-320)	2,383.79	12.75
28 46 13 31-0911	EA	Addressable Control Module With FlashScan; Configured For One Class A Or Class B NAC. (Johnson Controls, Inc. #M300CJ)	179.65	12.75
28 46 13 31-0912	EA	Addressable Dual Monitor Module; With FlashScan, Two Class B Circuits. (Johnson Controls, Inc. #M300DJ)	290.93	12.75
28 46 13 31-0913	EA	Addressable Monitor Module; With FlashScan; Supervises Either A Class A Or Class B Circuit Of N.D. Dry-contact Input Devices. (Johnson Controls, Inc. #M300MJ)	139.34	12.75
28 46 13 31-0914	EA	Addressable Relay Module With FlashScan; Provides Two Form-C Dry Contacts That Switch Together. (Johnson Controls, Inc. #M300RJ)	198.70	12.75
28 46 13 31-0915	EA	Addressable Mini Module With FlashScan; Supervises A Class B Circuit Of N.D. Dry-contact Devises. (Johnson Controls, Inc. #M301MJ)	154.93	12.75
28 46 13 31-0916	EA	Addressable 2-Wire Detector Monitor Module; With FlashScan. (Johnson Controls, Inc. #M302MJ)	257.60	12.75
28 46 13 31-0917	EA	Addressable Firephone Control Module With Flashscan. (Johnson Controls, Inc. #M500FPJ)	294.87	12.75
28 46 13 31-0918	EA	SLC Loop Isolator Module; Isolates Against Short Circuits On The SLC. (Johnson Controls, Inc. #M500XJ)	162.86	12.75
28 46 13 31-0919	EA	Network INTFC, P2P, Wire. (Johnson Controls, Inc. #MIB-W)	2,501.78	38.27
28 46 13 31-0920	EA	Network Adapter, Fiber. (Johnson Controls, Inc. #NAM-232F)	2,230.40	25.51
28 46 13 31-0921	EA	Network Adapter, Wire. (Johnson Controls, Inc. #NAM-232W)	2,060.34	25.51
28 46 13 31-0922	EA	Plate, Retrofit, NCA-2. (Johnson Controls, Inc. #NCA-2RETRO)	74.91	5.10
28 46 13 31-0923	EA	Network Control Module - Multi Mode Fiber; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-F)	1,800.47	25.51
28 46 13 31-0924	EA	Network Control Module - Wire; Order One NCM Per Network Node (JCPU-640/3030, JNCA, JCPU2-640/3030, JNCA-2, DVC, etc.) (Johnson Controls, Inc. #NCM-W)	1,713.71	25.51
28 46 13 31-0925	EA	NFV-25/50. (Johnson Controls, Inc. #NFV-25/50)	4,383.85	51.02
28 46 13 31-0926	EA	NU-RPT101-1U RS485. (Johnson Controls, Inc. #NU-RPT101-1U)	1,210.80	25.51
28 46 13 31-0927	EA	Key Switch, Remote Control. (Johnson Controls, Inc. #RKS-S)	329.09	10.21
28 46 13 31-0928	EA	Microphone Assembly For Mounting To An ADP-4 Dress Panel. (Johnson Controls, Inc. #RM-1)	759.02	25.51
28 46 13 31-0929	EA	Microphone Assembly For Mounting In An CAB-RM Cabinet. (Johnson Controls, Inc. #RM-1SA)	759.02	25.51
28 46 13 31-0930	EA	Remote Page Jack. Allows Remote All-Call Paging. (Johnson Controls, Inc. #RPJ-1)	201.58	10.21
28 46 13 31-0931	EA	SA-WBB, Weatherproof. (Johnson Controls, Inc. #SA-WBB)	52.01	5.10
28 46 13 31-0932	EA	SA-WBBC, Weatherproof. (Johnson Controls, Inc. #SA-WBBC)	52.01	5.10
28 46 13 31-0933	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCR)	187.46	38.27
28 46 13 31-0934	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCRH)	213.32	38.27
28 46 13 31-0935	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SCRHK)	253.11	43.37
28 46 13 31-0936	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SCRK)	249.40	43.37
28 46 13 31-0937	EA	Smoke Control Master; Includes Eight On/off/auto Switches. Supports One SCE-8. Includes Manual, Slide-in Labels. Mounts In ADP-4 Or ABS-4D. (Johnson Controls, Inc. #SCS-8)	1,791.98	102.05
28 46 13 31-0938	EA	Smoke Control Lamp Driver. Outputs For 8 On/off/auto Switches With LED's. Intended For Custom Built Smoke Control Stations. Support One SCE-8L. (Johnson Controls, Inc. #SCS-8L)	1,385.29	102.05
28 46 13 31-0939	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW)	187.46	38.27
28 46 13 31-0940	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SCWH)	213.32	38.27
28 46 13 31-0941	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SCW-P)	187.46	38.27
28 46 13 31-0942	EA	Mounting Kit, M300/M500. (Johnson Controls, Inc. #SMB500)	32.15	10.21
28 46 13 31-0943	EA	SMK-MOV Kit-LON. (Johnson Controls, Inc. #SMK-MOVKit-LON)	39.88	5.10
28 46 13 31-0944	EA	SMK-MOV Kit-MSTP. (Johnson Controls, Inc. #SMK-MOVKit-MSTP)	45.82	5.10
28 46 13 31-0945	EA	SPBBS, Wall, Back Box. (Johnson Controls, Inc. #SPBBS)	39.93	5.10
28 46 13 31-0946	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR)	169.62	38.27
28 46 13 31-0947	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH)	213.32	38.27
28 46 13 31-0948	EA	Strobe, HI, Outdoor, Red. (Johnson Controls, Inc. #SRHK)	253.11	43.37
28 46 13 31-0949	EA	Strobe, HI, 12/24 Volt DC, Red (Johnson Controls, Inc. #SRH-P)	213.32	38.27
28 46 13 31-0950	EA	Strobe, Standard, Outdoor, Red. (Johnson Controls, Inc. #SRK)	249.40	43.37
28 46 13 31-0951	EA	Strobe, Standard, 12/24 Volt DC, Red (Johnson Controls, Inc. #SR-P)	187.46	38.27
28 46 13 31-0952	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW)	187.46	38.27
28 46 13 31-0953	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH)	213.32	38.27
28 46 13 31-0954	EA	Strobe, HI, 12/24 Volt DC, White (Johnson Controls, Inc. #SWH-P)	213.32	38.27
28 46 13 31-0955	EA	Strobe, Standard, 12/24 Volt DC, White (Johnson Controls, Inc. #SW-P)	187.46	38.27
28 46 13 31-0956	EA	Firefighter's Telephone Handset Only. (Johnson Controls, Inc. #TELH-1)	282.44	12.75
28 46 13 31-0957	EA	Universal Digital Alarm Communicator Transmitter. (Johnson Controls, Inc. #UDACT)	1,249.49	51.02
28 46 13 31-0958	EA	Speaker Strobe, Ceiling, White, 2 W (MAX), Dual Voltage, Multi (Johnson Controls, Inc. #SPSCW)	281.18	51.02
28 46 13 31-0959	EA	Speaker, White, Ceiling Mount. (Johnson Controls, Inc. #SPCW)	118.11	25.51
28 46 13 31-0960	EA	Speaker, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPCWV)	118.11	25.51
28 46 13 31-0961	EA	Speaker Strobe, Red, Ceiling Mount, Standard Candela. (Johnson Controls, Inc. #SPSCR)	230.15	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0962	EA	Speaker Strobe, Red, Ceiling Mount, High Candela. (Johnson Controls, Inc. #SPSCRH)	251.58	25.51
28 46 13 31-0963	EA	Speaker Strobe, Red, Ceiling Mount, High Candela, High Db. (Johnson Controls, Inc. #SPSCRVH)	251.58	25.51
28 46 13 31-0964	EA	Speaker Strobe, White, Ceiling Mount, High Db. (Johnson Controls, Inc. #SPSCWV)	221.63	25.51
28 46 13 31-0965	EA	Speaker Strobe Wall, WP, White, 2W (MAX), Dual Volt, Multi D (Johnson Controls, Inc. #SPSWK)	307.44	25.51
28 46 13 31-0966	EA	Speaker Strobe, Wall, White, Standard Candela. (Johnson Controls, Inc. #SPSW)	230.15	25.51
28 46 13 31-0967	EA	Wall Mount Speaker, White. (Johnson Controls, Inc. #SPW)	118.11	25.51
28 46 13 31-0968	EA	Wall Mount Speaker, Red. (Johnson Controls, Inc. #SPR)	118.11	25.51
28 46 13 31-0969	EA	Speaker Strobe, Wall, White, High Cd. (Johnson Controls, Inc. #SPSWH)	251.58	25.51
28 46 13 31-0970	EA	Speaker Strobe, Wall, Red, High Cd. (Johnson Controls, Inc. #SPSR)	230.15	25.51
28 46 13 31-0971	EA	Speaker Strobe, Wall, Red, High Db, High Candela. (Johnson Controls, Inc. #SPSRV)	230.15	25.51

28 46 13 31-0972 Honeywell Fire Alarm *(28 46 13 31)*

28 46 13 31-0973 Notifier Fire Alarm *(28 46 13 31-0972)*

28 46 13 31-0974 Fire Alarm Control Panel And Accessories *(28 46 13 31-0973)*

28 46 13 31-0975	EA	NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D)	6,160.41	510.23
28 46 13 31-0976	EA	NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640)	4,966.24	510.23
28 46 13 31-0977	EA	Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E)	4,251.44	510.23
28 46 13 31-0978	EA	Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320)	6,146.36	510.23
28 46 13 31-0979	EA	Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C)	5,564.91	510.23
28 46 13 31-0980	EA	Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E)	5,412.74	510.23
28 46 13 31-0981	EA	Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R)	5,267.43	510.23
28 46 13 31-0982	EA	Two-Tone Sequential Module (Notifier 2TTM)	370.24	25.51
28 46 13 31-0983	EA	5', Not Low Loss, Antenna Cable (Notifier 7626-5C)	93.73	5.10
28 46 13 31-0984	EA	25', Low Loss, Antenna Cable (Notifier 7626-25HC)	179.45	10.21
28 46 13 31-0985	EA	50', Low Loss, Antenna Cable (Notifier 7626-50HC)	272.60	15.31
28 46 13 31-0986	EA	IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P)	443.93	
28 46 13 31-0987	EA	RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119)	62.76	
28 46 13 31-0988	EA	120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS)	5,153.02	510.23
28 46 13 31-0989	EA	240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE)	5,209.08	510.23
28 46 13 31-0990	EA	3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB)	235.61	5.10
28 46 13 31-0991	EA	Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER)	70.85	5.10
28 46 13 31-0992	EA	Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT)	99.07	10.21
28 46 13 31-0993	EA	Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT)	96.45	12.75
28 46 13 31-0994	EA	IP Communicator (Notifier IPDACT-2)	760.39	25.51
28 46 13 31-0995	EA	IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD)	883.96	25.51
28 46 13 31-0996	EA	Red, IP Communicator External Mounting Enclosure (Notifier IPENC) Note: Includes IPBRKT.	197.47	25.51
28 46 13 31-0997	EA	Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B) Note: Includes IPBRKT	196.90	25.51
28 46 13 31-0998	EA	Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT)	48.67	10.21
28 46 13 31-0999	EA	Loop Control Module (Notifier LCM-320)	2,457.60	51.02
28 46 13 31-1000	EA	Loop Expander Module (Notifier LEM-320)	1,747.34	51.02
28 46 13 31-1001	EA	Keyboard Display Module For CPU2-640 (Notifier KDM-R2)	1,856.61	51.02
28 46 13 31-1002	EA	7' DACT Phone Cord (Notifier MCBL-7)	23.60	
28 46 13 31-1003	EA	Back Box For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1)	216.01	12.75
28 46 13 31-1004	EA	Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R)	241.52	25.51
28 46 13 31-1005	EA	Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B)	241.52	25.51
28 46 13 31-1006	EA	Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2)	799.13	25.51
28 46 13 31-1007	EA	Universal Zone Coder (Notifier UZC-256)	1,116.12	25.51
28 46 13 31-1008	EA	Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI) Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.	349.39	
28 46 13 31-1009	EA	Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD)	820.66	
28 46 13 31-1010	EA	ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD)	512.38	
28 46 13 31-1011	EA	Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS)	4,986.30	15.31
28 46 13 31-1012	EA	Surface Back Box For NBG-12LRA (Notifier SBA-10)	50.80	12.75
28 46 13 31-1013	EA	Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X)	2,217.64	510.23
28 46 13 31-1014	EA	Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X)	3,242.47	510.23

28 46 13 31-1015 ONYX Cabinets *(28 46 13 31-0973)*

28 46 13 31-1016	EA	Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R)	647.15	12.75
28 46 13 31-1017	EA	Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R)	870.74	12.75
28 46 13 31-1018	EA	Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R)	1,077.38	12.75
28 46 13 31-1019	EA	Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4)	125.57	15.31
28 46 13 31-1020	EA	Chassis Bridge (Notifier CB-1)	114.47	12.75
28 46 13 31-1021	EA	Four Position Chassis (Notifier CHS-4)	195.42	12.75
28 46 13 31-1022	EA	Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2)	235.22	25.51
28 46 13 31-1023	EA	Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B)	110.13	15.31
28 46 13 31-1024	EA	Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP)	141.31	15.31
28 46 13 31-1025	EA	One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4)	450.64	25.51
28 46 13 31-1026	EA	One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B)	280.49	25.51
28 46 13 31-1027	EA	Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4)	566.68	38.27
28 46 13 31-1028	EA	Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B)	340.34	38.27
28 46 13 31-1029	EA	Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4)	849.77	51.02
28 46 13 31-1030	EA	Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B)	504.79	51.02

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1031	EA	Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4)	1,029.81	63.78
28 46 13 31-1032	EA	Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B)	583.36	63.78
28 46 13 31-1033	EA	Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4)	311.55	12.75
28 46 13 31-1034	EA	Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B)	213.15	12.75
28 46 13 31-1035	EA	Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR)	213.15	12.75
28 46 13 31-1036	EA	Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R)	317.27	12.75
28 46 13 31-1037	EA	Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR)	240.61	12.75
28 46 13 31-1038	EA	Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R)	403.08	12.75
28 46 13 31-1039	EA	Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR)	274.36	12.75
28 46 13 31-1040	EA	Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R)	480.88	12.75
28 46 13 31-1041	EA	Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR)	396.21	12.75
28 46 13 31-1042	EA	Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R)	715.43	12.75
28 46 13 31-1043	EA	Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR)	444.27	12.75
28 46 13 31-1044	EA	Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R)	857.31	12.75
28 46 13 31-1045	EA	Black, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4)	406.85	25.51
28 46 13 31-1046	EA	Black, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4)	603.64	25.51
28 46 13 31-1047	EA	Black, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4)	708.91	25.51
28 46 13 31-1048	EA	Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4)	426.30	25.51
28 46 13 31-1049	EA	Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4)	647.12	25.51
28 46 13 31-1050	EA	Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4)	756.96	25.51
28 46 13 31-1051	EA	Red, Two Tiers, Equipment Back Box Assembly (Notifier EQBB-B4R)	410.28	25.51
28 46 13 31-1052	EA	Red, Three Tiers, Equipment Back Box Assembly (Notifier EQBB-C4R)	603.64	25.51
28 46 13 31-1053	EA	Red, Four Tiers, Equipment Back Box Assembly (Notifier EQBB-D4R)	718.06	25.51
28 46 13 31-1054	EA	Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R)	446.90	25.51
28 46 13 31-1055	EA	Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R)	647.12	25.51
28 46 13 31-1056	EA	Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R)	756.96	25.51
28 46 13 31-1057	EA	Back Box With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC)	3,310.35	127.55
28 46 13 31-1058	EA	CAB-4 Series Mounting Kit (Notifier P40-KITB) Note: Includes chassis, hinged dress plate, and mounting hardware.	381.68	25.51
28 46 13 31-1059	EA	Black, One Tier Back Box Assembly (Notifier SBB-A4)	456.35	76.53
28 46 13 31-1060	EA	Black, Two Tier Back Box Assembly (Notifier SBB-B4)	651.88	102.05
28 46 13 31-1061	EA	Black, Three Tier Back Box Assembly (Notifier SBB-C4)	892.72	102.05
28 46 13 31-1062	EA	Black, Four Tier Back Box Assembly (Notifier SBB-D4)	1,082.90	127.55
28 46 13 31-1063	EA	Black, Mini, One Tier, Back Box (Notifier SBB-AA4)	237.52	25.51
28 46 13 31-1064	EA	Red, Mini, One Tier, Back Box (Notifier SBB-AA4R)	237.52	25.51
28 46 13 31-1065	EA	Red, One Tier Back Box Assembly (Notifier SBB-A4R)	290.15	25.51
28 46 13 31-1066	EA	Red, Two Tier Back Box Assembly (Notifier SBB-B4R)	405.71	25.51
28 46 13 31-1067	EA	Red, Three Tier Back Box Assembly (Notifier SBB-C4R)	596.78	25.51
28 46 13 31-1068	EA	Red, Four Tier Back Box Assembly (Notifier SBB-D4R)	706.62	25.51
28 46 13 31-1069	EA	Trim Ring For NFS-320 Cabinet (Notifier TR-320)	231.41	15.31
28 46 13 31-1070	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R)	231.41	15.31
28 46 13 31-1071	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4)	313.22	15.31
28 46 13 31-1072	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-A4)	246.85	15.31
28 46 13 31-1073	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4)	248.57	15.31
28 46 13 31-1074	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4)	245.71	15.31
28 46 13 31-1075	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4)	252.00	15.31
28 46 13 31-1076	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Back Box (Notifier VP-2B)	87.13	15.31
28 46 13 31-1077	EA	Wire Trays For Routing Wire In A CAB-4 Series Back Box (Notifier WC-2)	61.93	5.10

28 46 13 31-1078 NFS2-3030/640 Cabinet Mechanicals *(28 46 13 31-0973)*

28 46 13 31-1079	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640)	160.84	15.31
28 46 13 31-1080	EA	Blank Module Dress Plate (Notifier BM-1B)	130.51	15.31
28 46 13 31-1081	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4)	150.14	15.31
28 46 13 31-1082	EA	Four Position Expansion Chassis (Notifier CHS-4MB)	305.83	12.75
28 46 13 31-1083	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3)	333.43	38.27
28 46 13 31-1084	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2)	167.98	15.31

28 46 13 31-1085 NFS-3030/640 Cabinet Mechanicals *(28 46 13 31-0973)*

28 46 13 31-1086	EA	Annunciator Dress Plate (Notifier ADP-4B)	151.92	15.31
28 46 13 31-1087	EA	Blank Module Dress Plate (Notifier BMP-1)	89.48	15.31
28 46 13 31-1088	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L)	210.69	25.51
28 46 13 31-1089	EA	Module Dress Plate (Notifier MP-1B)	153.71	15.31

28 46 13 31-1090 Battery Cabinets *(28 46 13 31-0973)*

28 46 13 31-1091	EA	Six Position Chassis (Notifier CHS-6)	126.48	25.51
28 46 13 31-1092	EA	Black, 24" x 14" x 7-3/4" Battery Back Box (Notifier NFS-LBB)	677.57	76.53

28 46 13 31-1093 Digital Voice *(28 46 13 31-0973)*

28 46 13 31-1094	EA	Chassis Used With BB-XP (Notifier 18439)	54.69	12.75
28 46 13 31-1095	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E)	2,283.87	38.27
28 46 13 31-1096	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E)	2,219.42	38.27
28 46 13 31-1097	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E)	1,110.99	38.27
28 46 13 31-1098	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4)	731.26	38.27
28 46 13 31-1099	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4)	992.27	51.02
28 46 13 31-1100	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4)	1,235.41	63.78
28 46 13 31-1101	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM)	967.14	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1102	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM)	967.14	25.51
28 46 13 31-1103	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS)	2,080.84	25.51
28 46 13 31-1104	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Back Box (Notifier AFAWS-BX)	119.04	12.75
28 46 13 31-1105	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR)	204.00	12.75
28 46 13 31-1106	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS)	205.14	12.75
28 46 13 31-1107	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR)	198.28	12.75
28 46 13 31-1108	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS)	200.57	12.75
28 46 13 31-1109	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA)	413.38	12.75
28 46 13 31-1110	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC)	314.98	12.75
28 46 13 31-1111	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B)	129.20	
28 46 13 31-1112	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V)	574.06	25.51
28 46 13 31-1113	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V)	579.34	25.51
28 46 13 31-1114	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2)	117.33	12.75
28 46 13 31-1115	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1)	179.47	25.51
28 46 13 31-1116	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2)	601.03	38.27
28 46 13 31-1117	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM)	235.80	25.51
28 46 13 31-1118	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR)	235.80	25.51
28 46 13 31-1119	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1)	311.55	12.75
28 46 13 31-1120	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1)	308.12	12.75
28 46 13 31-1121	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025)	2,616.41	25.51
28 46 13 31-1122	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F)	1,966.31	25.51
28 46 13 31-1123	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF)	1,966.31	25.51
28 46 13 31-1124	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070)	2,702.04	25.51
28 46 13 31-1125	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F)	2,082.39	25.51
28 46 13 31-1126	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525)	2,807.30	25.51
28 46 13 31-1127	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,575.73	25.51
28 46 13 31-1128	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF)	2,575.73	25.51
28 46 13 31-1129	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E)	1,858.95	25.51
28 46 13 31-1130	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E)	1,911.78	25.51
28 46 13 31-1131	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E)	1,994.20	25.51
28 46 13 31-1132	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525)	1,259.83	25.51
28 46 13 31-1133	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E)	1,293.64	25.51
28 46 13 31-1134	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570)	1,324.28	25.51
28 46 13 31-1135	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E)	1,368.66	25.51
28 46 13 31-1136	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025)	1,378.17	25.51
28 46 13 31-1137	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E)	1,419.38	25.51
28 46 13 31-1138	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070)	1,460.59	25.51
28 46 13 31-1139	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E)	1,534.56	25.51
28 46 13 31-1140	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT)	136.78	12.75
28 46 13 31-1141	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1)	143.00	15.31
28 46 13 31-1142	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4)	167.98	15.31
28 46 13 31-1143	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B)	301.78	15.31
28 46 13 31-1144	EA	WPS Power Amplifier (Notifier DPA3204P)	682.90	25.51
28 46 13 31-1145	EA	WPS Power Amplifier (Notifier DPA4001P)	574.06	25.51
28 46 13 31-1146	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232)	1,309.49	25.51
28 46 13 31-1147	EA	120 Volt AC,125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	976.65	25.51
28 46 13 31-1148	EA	220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE) Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	988.27	25.51
28 46 13 31-1149	EA	Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB)	1,653.96	25.51
28 46 13 31-1150	EA	125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA)	637.46	25.51
28 46 13 31-1151	EA	Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM)	357.65	25.51
28 46 13 31-1152	EA	Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXF Series Amplifier), Fiber Option Module (Notifier DS-RFM)	357.65	25.51
28 46 13 31-1153	EA	Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM)	357.65	25.51
28 46 13 31-1154	EA	Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V)	146.27	25.51
28 46 13 31-1155	EA	Analog Output Board For Digital Voice Command (Notifier DVC-AO)	434.58	25.51
28 46 13 31-1156	EA	Extended Memory For Digital Voice Command (Notifier DVC-EM)	2,637.82	25.51
28 46 13 31-1157	EA	Keypad For Digital Voice Command (Notifier DVC-KD)	717.53	51.02
28 46 13 31-1158	EA	Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE)	290.53	
28 46 13 31-1159	EA	Portable Fireman's Telephone Handset (Notifier FHS)	173.25	
28 46 13 31-1160	EA	Red, Fireman's Telephone Handset (Notifier FHS-F)	201.28	
28 46 13 31-1161	EA	Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R)	497.24	25.51
28 46 13 31-1162	EA	Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S)	497.24	25.51
28 46 13 31-1163	EA	Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ)	79.61	7.65
28 46 13 31-1164	EA	Paging Microphone Only (Notifier MIC-1)	284.72	25.51
28 46 13 31-1165	EA	Firefighter's Telephone Handset (Notifier TELH-1)	198.42	
28 46 13 31-1166	EA	Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1)	745.00	25.51
28 46 13 31-1167	EA	Remote Microphone Assembly For Mounting In A Stand-Alone Cabinet (Notifier RM-1SA)	745.00	25.51
28 46 13 31-1168		Amplifiers *(28 46 13 31-0973)*		
28 46 13 31-1169	EA	30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30)	1,458.60	25.51
28 46 13 31-1170	EA	100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100)	3,215.84	25.51
28 46 13 31-1171	EA	120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120)	3,123.07	25.51
28 46 13 31-1172	EA	Audio Coupling Transformer (Notifier ACT-1)	199.09	25.51
28 46 13 31-1173	EA	Audio Coupling Transformer For DVC-AO (Notifier ACT-4)	238.34	25.51
28 46 13 31-1174	EA	Audio Coupling Transformer For DAA-5025 (Notifier ACT-25)	238.34	25.51
28 46 13 31-1175	EA	Audio Coupling Transformer For DAA-5070 (Notifier ACT-70)	238.34	25.51
28 46 13 31-1176	EA	50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025)	1,779.70	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1177	EA	50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070)	1,840.99	25.51
28 46 13 31-1178	EA	75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525)	1,912.84	25.51
28 46 13 31-1179	EA	Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA) Note: Requires NFC-BDA-BU	3,495.70	25.51
28 46 13 31-1180	EA	50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V) Note: Requires NFC-BDA-BU	690.29	25.51
28 46 13 31-1181	EA	50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V) Note: Requires NFC-BDA-BU	693.46	25.51
28 46 13 31-1182		**FireVoice-25/50 Emergency Voice Evacuation Control Panels** *(28 46 13 31-0973)*		
28 46 13 31-1183	EA	25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50)	5,033.87	510.23
28 46 13 31-1184	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA)	3,458.11	510.23
28 46 13 31-1185	EA	Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS)	4,589.87	510.23
28 46 13 31-1186	EA	Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS)	6,069.87	510.23
28 46 13 31-1187	EA	Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST)	6,748.93	510.23
28 46 13 31-1188		**System Printer** *(28 46 13 31-0973)*		
28 46 13 31-1189	EA	80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6)	3,194.43	25.51
28 46 13 31-1190		**Batteries** *(28 46 13 31-0973)*		
28 46 13 31-1191	EA	5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP)	647.12	25.51
28 46 13 31-1192	EA	7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP)	661.15	25.51
28 46 13 31-1193	EA	12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP)	878.80	25.51
28 46 13 31-1194	EA	18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP)	500.59	25.51
28 46 13 31-1195	EA	26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP)	711.10	25.51
28 46 13 31-1196	EA	55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550)	709.32	25.51
28 46 13 31-1197	EA	100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000)	1,146.04	25.51
28 46 13 31-1198		**Battery Back Boxes And Miscellaneous Mechanicals** *(28 46 13 31-0973)*		
28 46 13 31-1199	EA	14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Back Box (Notifier BB-17)	171.83	20.41
28 46 13 31-1200	EA	24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25) Note: XP6 modules require a CHS-6.	294.82	20.41
28 46 13 31-1201	EA	15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Back Box (Notifier BB-26)	485.97	102.05
28 46 13 31-1202	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH)	207.88	51.02
28 46 13 31-1203	EA	Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1)	124.48	12.75
28 46 13 31-1204	EA	Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25)	344.02	20.41
28 46 13 31-1205	EA	Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB)	233.04	20.41
28 46 13 31-1206	EA	Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA)	259.92	20.41
28 46 13 31-1207	EA	Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB)	277.66	20.41
28 46 13 31-1208	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550)	417.25	20.41
28 46 13 31-1209	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26)	243.33	20.41
28 46 13 31-1210	EA	Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100) Note: Two kits are required for the BB-200	348.60	20.41
28 46 13 31-1211	EA	Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) Note: Two kits are required for the BB-200	300.54	20.41
28 46 13 31-1212	EA	Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) Note: Two kits are required for the BB-200	307.41	20.41
28 46 13 31-1213	EA	Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC) Note: Two kits are required for the BB-200	267.36	20.41
28 46 13 31-1214	EA	Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) Note: Two kits are required for the BB-200	250.20	20.41
28 46 13 31-1215		**Power Supplies And Chargers** *(28 46 13 31-0973)*		
28 46 13 31-1216	EA	120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610)	1,532.59	38.27
28 46 13 31-1217	EA	220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E)	1,608.67	38.27
28 46 13 31-1218	EA	Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24)	2,243.56	25.51
28 46 13 31-1219	EA	6A Auxiliary Power Supply (Notifier APS-6R)	1,048.71	25.51
28 46 13 31-1220	EA	10 Amperes Battery Charger (Notifier BC10A)	1,168.05	38.27
28 46 13 31-1221	EA	33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	636.74	30.61
28 46 13 31-1222	EA	Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) Note: Holds four 55 ampere hour or two 100 ampere hour batteries	644.75	30.61
28 46 13 31-1223	EA	30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200) Note: Holds four 55 ampere hour or four 100 ampere hour batteries	901.27	30.61
28 46 13 31-1224	EA	30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R)	901.27	30.61
28 46 13 31-1225	EA	15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1)	215.78	25.51
28 46 13 31-1226	EA	25 To 120 Ampere Hours Battery Charger (Notifier CHG-120)	1,722.63	25.51
28 46 13 31-1227	EA	Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS)	96.45	12.75
28 46 13 31-1228	EA	Door Used For Mounting ACPS-610 (E) In a CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1)	155.37	12.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1229	EA	8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8)	1,132.12	25.51
28 46 13 31-1230	EA	8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E)	884.27	76.53
28 46 13 31-1231	EA	Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R)	845.18	76.53
28 46 13 31-1232	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8)	981.48	76.53
28 46 13 31-1233	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E)	973.03	76.53
28 46 13 31-1234	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM)	959.89	38.27
28 46 13 31-1235	EA	Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME)	959.89	38.27
28 46 13 31-1236	EA	12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12)	1,193.41	38.27
28 46 13 31-1237	EA	12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E)	1,139.52	38.27
28 46 13 31-1238	EA	12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM)	1,211.37	76.53
28 46 13 31-1239	EA	12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME)	1,211.37	76.53
28 46 13 31-1240	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6)	826.16	76.53
28 46 13 31-1241	EA	6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E)	826.16	76.53
28 46 13 31-1242	EA	8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8)	893.78	76.53
28 46 13 31-1243	EA	8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E)	893.78	76.53
28 46 13 31-1244	EA	6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA)	713.09	76.53
28 46 13 31-1245	EA	9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA)	845.18	76.53
28 46 13 31-1246	EA	Class A Adapter HPFF8/HPFF12 (Notifier HPP31076)	182.95	12.75
28 46 13 31-1247	EA	Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A)	1,531.02	25.51
28 46 13 31-1248	EA	Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4)	213.49	25.51
28 46 13 31-1249	EA	240 Volt AC Addressable Power Supply (Notifier AMPS-24E)	1,760.38	25.51
28 46 13 31-1250	EA	6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R)	856.80	76.53
28 46 13 31-1251	EA	6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE)	893.78	76.53
28 46 13 31-1252	EA	25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75)	828.71	25.51
28 46 13 31-1253	EA	6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E)	825.10	76.53
28 46 13 31-1254	EA	6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R)	805.02	76.53

28 46 13 31-1255 Network Control Annunciators *(28 46 13 31-0973)*

28 46 13 31-1256	EA	Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2)	3,096.67	76.53
28 46 13 31-1257	EA	Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO)	103.75	15.31
28 46 13 31-1258	EA	Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit)	69.86	15.31

28 46 13 31-1259 FIRSTVISION Firefighter's Display *(28 46 13 31-0973)*

28 46 13 31-1260	EA	ONYX Firstvision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD)	23,448.93	510.23

28 46 13 31-1261 FlashScan Addressable Modules *(28 46 13 31-0973)*

28 46 13 31-1262	EA	Intelligent Addressable Control Module (Notifier FCM-1)	245.48	25.51
28 46 13 31-1263	EA	Addressable Dual Monitor Module (Notifier FDM-1)	277.59	25.51
28 46 13 31-1264	EA	Intelligent Addressable Monitor Module (Notifier FMM-1)	199.09	25.51
28 46 13 31-1265	EA	Intelligent Addressable Miniature Monitor Module (Notifier FMM-101)	174.12	25.51
28 46 13 31-1266	EA	Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20)	389.98	25.51
28 46 13 31-1267	EA	Intelligent Addressable Relay Module (Notifier FRM-1)	178.31	25.51
28 46 13 31-1268	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1)	316.84	25.51
28 46 13 31-1269	EA	SLC Loop Powered Fault Isolator Module (Notifier ISO-X)	195.52	25.51

28 46 13 31-1270 Addressable Device Bases And Accessories *(28 46 13 31-0973)*

28 46 13 31-1271	EA	Intelligent Detector Base With Flange (Notifier B710LP)	58.59	12.75
28 46 13 31-1272	EA	Weatherproof Device Housing (Notifier DH400OE-1)	677.20	25.51
28 46 13 31-1273	EA	Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W)	54.69	12.75
28 46 13 31-1274	EA	Swift AV Base Ceiling (Notifier WAV-CRL)	321.84	12.75
28 46 13 31-1275	EA	Swift AV Base Wall (Notifier WAV-RL)	321.84	12.75

28 46 13 31-1276 XP6/XP10 Transponder *(28 46 13 31-0973)*

28 46 13 31-1277	EA	Synchronization Daughter Module For XP6-C (Notifier SYNC-1)	173.22	25.51
28 46 13 31-1278	EA	Six Circuit Supervised Control Module (Notifier XP6-C)	985.84	25.51
28 46 13 31-1279	EA	Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA)	1,199.92	25.51
28 46 13 31-1280	EA	Six Relay Control Module (Notifier XP6-R)	946.59	25.51
28 46 13 31-1281	EA	Ten Input Monitor Module (Notifier XP10-M)	1,146.40	25.51

28 46 13 31-1282 LCD Display Annunciators *(28 46 13 31-0973)*

28 46 13 31-1283	EA	80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80)	1,214.55	76.53
28 46 13 31-1284	EA	80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80)	1,740.83	76.53
28 46 13 31-1285	EA	640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160)	1,805.05	76.53
28 46 13 31-1286	EA	8 To 16 Switch Smoke Control Expander (Notifier SCE-8)	925.15	25.51
28 46 13 31-1287	EA	8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L)	484.65	25.51
28 46 13 31-1288	EA	Eight Switch Smoke Control Master Module (Notifier SCS-8)	1,202.03	25.51
28 46 13 31-1289	EA	White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W)	584.18	76.53

28 46 13 31-1290 ONYX ACM And AEM Series LED Annunciators *(28 46 13 31-0973)*

28 46 13 31-1291	EA	Remote, Eight Form C Relay Module (Notifier ACM-8R)	524.70	25.51
28 46 13 31-1292	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT)	1,315.88	25.51
28 46 13 31-1293	EA	16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT)	1,000.11	25.51
28 46 13 31-1294	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT)	1,315.88	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1295	EA	24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT)	1,000.11	25.51
28 46 13 31-1296	EA	32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A)	1,000.11	25.51
28 46 13 31-1297	EA	32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A)	893.07	25.51
28 46 13 31-1298	EA	48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A)	1,000.11	25.51
28 46 13 31-1299	EA	48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A)	893.07	25.51
28 46 13 31-1300		**Graphic Annunciator - Lamp Driver Modules** *(28 46 13 31-0973)*		
28 46 13 31-1301	EA	Single Annunciator Flush Mounted Back Box (Notifier ABF-1B)	362.51	51.02
28 46 13 31-1302	EA	Single Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-1DB)	399.98	51.02
28 46 13 31-1303	EA	Two Annunciator Flush Mounted Back Box (Notifier ABF-2B)	454.02	63.78
28 46 13 31-1304	EA	Two Annunciator Flush Mounted Back Box With Glass Door And Key Lock (Notifier ABF-2DB)	502.19	63.78
28 46 13 31-1305	EA	Four Annunciator Flush Mounted Back Box (Notifier ABF-4B)	824.39	89.29
28 46 13 31-1306	EA	Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1)	147.46	15.31
28 46 13 31-1307	EA	Single Annunciator Surface Mounted Back Box (Notifier ABS-1B)	209.98	51.02
28 46 13 31-1308	EA	Single Annunciator Surface Mounted Back Box With Trim (Notifier ABS-1TB)	187.06	12.75
28 46 13 31-1309	EA	Two Annunciator Surface Mounted Back Box (Notifier ABS-2B)	278.67	51.02
28 46 13 31-1310	EA	12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Back Box (Notifier ABS-2D)	527.17	63.78
28 46 13 31-1311	EA	Red, Surface (Or Semi-Flush) Mounted Back Box For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR)	357.50	12.75
28 46 13 31-1312	EA	Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4D)	872.56	89.29
28 46 13 31-1313	EA	Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Back Box (Notifier ABS-4DR)	607.15	15.31
28 46 13 31-1314	EA	Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Back Box (Notifier ABS-8RB)	223.12	20.41
28 46 13 31-1315	EA	Annunciator Key Switch (Notifier AKS-1B)	112.85	7.65
28 46 13 31-1316	EA	Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D)	126.84	25.51
28 46 13 31-1317	EA	32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32)	893.07	25.51
28 46 13 31-1318	EA	24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24)	201.86	5.10
28 46 13 31-1319	EA	48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48)	253.34	5.10
28 46 13 31-1320	EA	32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32)	730.72	25.51
28 46 13 31-1321	EA	Lamp Driver Module (Notifier LDM-R32)	983.50	25.51
28 46 13 31-1322	EA	Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L)	911.42	25.51
28 46 13 31-1323	EA	48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48)	260.21	5.10
28 46 13 31-1324	EA	Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D)	229.12	15.31
28 46 13 31-1325	EA	Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D)	132.88	15.31
28 46 13 31-1326	EA	Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR)	132.88	15.31
28 46 13 31-1327	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS1)	218.82	15.31
28 46 13 31-1328	EA	Graphic Annunciator Dress Plate (Notifier DP-GDIS2)	218.82	15.31
28 46 13 31-1329	EA	Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED)	578.23	25.51
28 46 13 31-1330		**Network Gateways** *(28 46 13 31-0973)*		
28 46 13 31-1331	EA	Common Alerting Protocol Gateway (Notifier CAP-GW)	3,326.64	25.51
28 46 13 31-1332	EA	Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF)	2,472.86	25.51
28 46 13 31-1333	EA	Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF)	2,787.74	25.51
28 46 13 31-1334	EA	Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF)	3,073.04	25.51
28 46 13 31-1335	EA	Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W)	2,495.05	25.51
28 46 13 31-1336	EA	Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF)	2,427.43	25.51
28 46 13 31-1337	EA	Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF)	2,734.91	25.51
28 46 13 31-1338	EA	Modbus Gateway (Notifier MODBUS-GW)	2,724.34	25.51
28 46 13 31-1339	EA	22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW)	3,152.77	16.83
28 46 13 31-1340	EA	Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS)	4,695.48	16.83
28 46 13 31-1341	EA	1920x1080P Wide Screen (Notifier MON-42LCDW)	14,913.28	16.83
28 46 13 31-1342	EA	Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORZ-SD)	728.66	38.27
28 46 13 31-1343	EA	Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD)	1,358.56	38.27
28 46 13 31-1344	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD)	1,995.86	38.27
28 46 13 31-1345	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP)	1,251.07	
28 46 13 31-1346	EA	Embedded NFN Gateway (Notifier NFN-GW-EM)	3,868.78	25.51
28 46 13 31-1347	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F)	3,868.78	25.51
28 46 13 31-1348	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF)	3,780.99	25.51
28 46 13 31-1349	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF)	4,404.42	25.51
28 46 13 31-1350	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW)	3,780.99	25.51
28 46 13 31-1351	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W)	3,868.78	25.51
28 46 13 31-1352	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER)	1,778.53	
28 46 13 31-1353	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS)	27,618.51	612.28
28 46 13 31-1354	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	6,979.46	
28 46 13 31-1355	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF) Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	6,979.46	
28 46 13 31-1356	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F)	1,149.94	25.51
28 46 13 31-1357	EA	Wire, Standard Network Repeater Board (Notifier RPT-W)	935.44	25.51
28 46 13 31-1358	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF)	1,114.01	25.51
28 46 13 31-1359	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM)	1,243.98	25.51
28 46 13 31-1360	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VESDA-HLI-GW)	2,597.55	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1361	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanet™ (Notifier VHX-1420-HFS)	2,659.53	25.51
28 46 13 31-1362	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3)	2,964.22	
28 46 13 31-1363	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD)	1,595.27	16.83
28 46 13 31-1364	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG)	496.30	25.51
28 46 13 31-1365		**NOTI-FIRE-NET Network Components** *(28 46 13 31-0973)*		
28 46 13 31-1366	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3)	3,868.78	25.51
28 46 13 31-1367	EA	Fiber Optic Network Communications Module (Notifier NCM-F)	1,704.79	25.51
28 46 13 31-1368	EA	NOTI-FIRE-NET Web Server (Notifier NWS)	3,868.78	25.51
28 46 13 31-1369	EA	Wired Network Communications Module (Notifier NCM-W)	1,622.72	25.51
28 46 13 31-1370	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit)	133.46	12.75
28 46 13 31-1371		**FireWarden Addressable Fire Panels** *(28 46 13 31-0973)*		
28 46 13 31-1372	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50)	2,724.18	510.23
28 46 13 31-1373	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100)	3,357.50	510.23
28 46 13 31-1374	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C)	2,823.10	255.12
28 46 13 31-1375	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E)	2,823.10	255.12
28 46 13 31-1376	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R)	2,810.43	255.12
28 46 13 31-1377	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addessable Fire Alarm Control Panel (Notifier NFW-50C)	3,243.65	510.23
28 46 13 31-1378	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addessable Fire Alarm Control Panel (NFW-50R)	2,296.89	510.23
28 46 13 31-1379		**FireWarden Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1380	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100)	211.54	38.27
28 46 13 31-1381	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T)	200.10	38.27
28 46 13 31-1382		**FireWarden Devices** *(28 46 13 31-0973)*		
28 46 13 31-1383	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO)	193.74	25.51
28 46 13 31-1384	EA	Intelligent Addressable Control Module (Notifier NC-100)	236.56	25.51
28 46 13 31-1385	EA	Intelligent Addressable Relay Module (Notifier NC-100R)	225.85	25.51
28 46 13 31-1386	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100)	475.26	38.27
28 46 13 31-1387	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R)	579.73	38.27
28 46 13 31-1388	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100)	225.85	25.51
28 46 13 31-1389	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100)	215.68	38.27
28 46 13 31-1390	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H)	215.68	38.27
28 46 13 31-1391	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R)	215.68	38.27
28 46 13 31-1392	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100)	308.45	38.27
28 46 13 31-1393	EA	Intelligent Addressable Monitor Module (Notifier NMM-100)	190.17	25.51
28 46 13 31-1394	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P)	169.66	25.51
28 46 13 31-1395	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX)	269.56	25.51
28 46 13 31-1396	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100)	228.17	38.27
28 46 13 31-1397	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100)	306.13	25.51
28 46 13 31-1398	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6)	1,171.37	25.51
28 46 13 31-1399		**SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1400	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402)	1,708.37	408.18
28 46 13 31-1401	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404)	1,938.51	408.18
28 46 13 31-1402	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E)	1,159.01	127.55
28 46 13 31-1403	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E)	1,327.02	127.55
28 46 13 31-1404	EA	Class A Converter Module (Notifier CAC-4)	432.02	25.51
28 46 13 31-1405	EA	Internal Dress Plate, Required For FM And ULC (Notifier DP-4X)	154.46	15.31
28 46 13 31-1406	EA	Remote Zone Annunciator (Notifier RZA-4X)	217.26	38.27
28 46 13 31-1407	EA	Red, Dress Panel (Notifier DP-51050)	187.93	15.31
28 46 13 31-1408	EA	Black, Dress Panel (Notifier DP-51050B)	190.22	15.31
28 46 13 31-1409		**SFP-5UD 5 Zone Control Panels And Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1410	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD)	2,795.54	510.23
28 46 13 31-1411	EA	120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC)	4,105.34	382.67
28 46 13 31-1412	EA	240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE)	2,705.83	255.12
28 46 13 31-1413	EA	Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR)	2,705.83	255.12
28 46 13 31-1414	EA	Class A Converter Module (Notifier N-CAC-5X)	448.04	25.51
28 46 13 31-1415	EA	Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE)	167.91	15.31
28 46 13 31-1416	EA	Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) Note: Includes internal dress panel with built-in annunciator module	3,475.99	382.67
28 46 13 31-1417	EA	240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE)	2,301.12	255.12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1418	EA	Red, 120 Volt AC, Five Zone Conventional Fire Control Panel Wth DACT And 3 Amperes Power Supply (Notifier SFP-5UDR)	2,278.93	255.12
28 46 13 31-1419		**SFP-10UD 10 Zone Control Panels And Accessories** *(28 46 13 31-0973)*		
28 46 13 31-1420	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC)	4,945.87	510.23
28 46 13 31-1421	EA	240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE)	3,697.12	382.67
28 46 13 31-1422	EA	120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD)	3,295.06	510.23
28 46 13 31-1423	EA	Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR)	4,207.35	510.23
28 46 13 31-1424	EA	Four Channel, Dual Line, Stand-Alone Fire Alarm Communicator (Fire-Lite 411UDAC)	916.62	76.53
28 46 13 31-1425	EA	10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) Note: Includes internal dress panel with built-in annunciator module	4,240.88	510.23
28 46 13 31-1426	EA	240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE)	3,162.17	382.67
28 46 13 31-1427	EA	Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR)	3,645.98	510.23
28 46 13 31-1428		**Smoke Detectors** *(28 46 13 31-0973)*		
28 46 13 31-1429	EA	Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851)	333.43	38.27
28 46 13 31-1430	EA	Intelligent Addressable Laser Smoke Detector (Notifier FSL-751)	593.89	38.27
28 46 13 31-1431	EA	Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D)	1,469.47	38.27
28 46 13 31-1432	EA	Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R) Note: For use with DNR(W) duct detector housing.	187.51	38.27
28 46 13 31-1433	EA	Filters For Harsh Detector (Notifier RF-FTX)	22.61	
28 46 13 31-1434	EA	Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY)	198.65	25.51
28 46 13 31-1435	EA	Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI)	1,815.78	38.27
28 46 13 31-1436	EA	Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951)	195.81	38.27
28 46 13 31-1437	EA	Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV)	214.69	38.27
28 46 13 31-1438	EA	Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R)	205.25	38.27
28 46 13 31-1439	EA	Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV)	222.41	38.27
28 46 13 31-1440	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T)	206.39	38.27
28 46 13 31-1441	EA	Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV)	223.55	38.27
28 46 13 31-1442	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951)	165.77	38.27
28 46 13 31-1443	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H)	165.77	38.27
28 46 13 31-1444	EA	Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV)	181.79	38.27
28 46 13 31-1445	EA	Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV)	181.79	38.27
28 46 13 31-1446	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R)	165.77	38.27
28 46 13 31-1447	EA	Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV)	181.79	38.27
28 46 13 31-1448	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R)	463.25	38.27
28 46 13 31-1449	EA	Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV)	497.58	38.27
28 46 13 31-1450	EA	Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE) Note: Requires B210W base, ordered separately	462.11	38.27
28 46 13 31-1451	EA	Wireless Photo Detector With Flashscan (Notifier FWD-200P) Note: Requires B210W base, ordered separately	424.35	38.27
28 46 13 31-1452	EA	Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) Note: Requires B210W base, ordered separately	384.31	38.27
28 46 13 31-1453	EA	Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) Note: Requires B210W base, ordered separately	384.31	38.27
28 46 13 31-1454	EA	Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951)	276.76	38.27
28 46 13 31-1455	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	2,799.52	38.27
28 46 13 31-1456	EA	Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.	3,433.61	38.27
28 46 13 31-1457		**Pull Stations** *(28 46 13 31-0973)*		
28 46 13 31-1458	EA	Trim Ring For NBG12 Series Pull Station (Notifier BG12TR)	34.01	5.10
28 46 13 31-1459	EA	One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2)	86.49	12.75
28 46 13 31-1460	EA	Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Back Box (Notifier BG-2R)	73.11	12.75
28 46 13 31-1461	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1)	109.46	25.51
28 46 13 31-1462	EA	DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F)	122.16	25.51
28 46 13 31-1463	EA	Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS)	172.13	25.51
28 46 13 31-1464	EA	Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R)	109.46	25.51
28 46 13 31-1465	EA	Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS)	128.09	25.51
28 46 13 31-1466	EA	Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL)	128.09	25.51
28 46 13 31-1467	EA	Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR)	128.09	25.51
28 46 13 31-1468	EA	Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1)	120.47	25.51
28 46 13 31-1469	EA	Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R)	131.48	25.51
28 46 13 31-1470	EA	Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL)	923.46	30.61
28 46 13 31-1471	EA	Red, Single Action Fire Alarm Pull Station (Notifier NBG-12S)	93.47	25.51
28 46 13 31-1472	EA	Red, Dual Action Fire Alarm Pull Station (Notifier NBG-12)	98.39	25.51
28 46 13 31-1473	EA	Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L)	124.61	25.51
28 46 13 31-1474	EA	Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB)	319.91	30.61
28 46 13 31-1475	EA	Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS)	152.56	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1476	EA	Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR)	126.53	25.51
28 46 13 31-1477	EA	Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX)	271.34	25.51
28 46 13 31-1478	EA	Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE)	66.11	5.10
28 46 13 31-1479	EA	Dual Action, Wireless Pull Station (Notifier NBG-12WL)	455.96	30.61
28 46 13 31-1480		**Rate Compensation Heat Detectors** *(28 46 13 31-0973)*		
28 46 13 31-1481	EA	135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135)	233.52	38.27
28 46 13 31-1482	EA	194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194)	233.52	38.27
28 46 13 31-1483		**FM Series Door Releases** *(28 46 13 31-0973)*		
28 46 13 31-1484	EA	1/2" Door Holder Spacer (Notifier FM900-50)	36.72	7.65
28 46 13 31-1485	EA	3/4" Door Holder Spacer (Notifier FM900-75)	36.72	7.65
28 46 13 31-1486	EA	1" Door Holder Spacer (Notifier FM900-100)	36.72	7.65
28 46 13 31-1487	EA	Door Holder Extension Kit (Notifier FM900)	39.39	7.65
28 46 13 31-1488	EA	90 Degree Door Holder Extension Kit (Notifier FM900-Z)	40.29	7.65
28 46 13 31-1489	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980)	265.41	38.27
28 46 13 31-1490	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996)	226.39	38.27
28 46 13 31-1491	EA	12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998)	226.39	38.27
28 46 13 31-1492		**Multicriteria Fire Detector** *(28 46 13 31-0973)*		
28 46 13 31-1493	EA	Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851)	333.96	38.27
28 46 13 31-1494	EA	Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851) Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	332.82	38.27
28 46 13 31-1495	EA	Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951)	211.54	38.27
28 46 13 31-1496	EA	Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV)	219.55	38.27
28 46 13 31-1497	EA	Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951)	333.96	38.27
28 46 13 31-1498		**Modules** *(28 46 13 31-0973)*		
28 46 13 31-1499	EA	Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1)	406.85	25.51
28 46 13 31-1500	EA	Addressable Firephone Control Module (Notifier FTM-1)	247.81	25.51
28 46 13 31-1501	EA	Wireless Monitor Module With Flashscan (Notifier FW-MM)	393.12	25.51
28 46 13 31-1502	EA	Wireless Relay Module With Flashscan (Notifier FW-RM)	456.05	25.51
28 46 13 31-1503	EA	Wireless Sync Module (Notifier W-SYNC)	434.58	25.51
28 46 13 31-1504		**DH Series Door Releases** *(28 46 13 31-0973)*		
28 46 13 31-1505	EA	Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC)	199.81	38.27
28 46 13 31-1506	EA	Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB)	213.83	38.27
28 46 13 31-1507	EA	Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD)	226.99	38.27
28 46 13 31-1508	EA	Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC)	223.55	38.27
28 46 13 31-1509	EA	Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB)	234.99	38.27
28 46 13 31-1510	EA	Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD)	244.72	38.27
28 46 13 31-1511	EA	Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC)	199.81	38.27
28 46 13 31-1512	EA	Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB)	212.11	38.27
28 46 13 31-1513	EA	Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD)	226.99	38.27
28 46 13 31-1514	EA	Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1)	258.45	38.27
28 46 13 31-1515	EA	Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1)	276.76	38.27
28 46 13 31-1516	EA	Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1)	297.92	38.27
28 46 13 31-1517	EA	Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2)	303.07	38.27
28 46 13 31-1518	EA	Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2)	324.81	38.27
28 46 13 31-1519	EA	Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2)	351.13	38.27
28 46 13 31-1520	EA	0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC)	22.74	5.10
28 46 13 31-1521	EA	0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B)	22.74	5.10
28 46 13 31-1522	EA	0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D)	25.08	5.10
28 46 13 31-1523	EA	1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC)	22.74	5.10
28 46 13 31-1524	EA	1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B)	22.74	5.10
28 46 13 31-1525	EA	1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D)	25.08	5.10
28 46 13 31-1526	EA	1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC)	23.94	5.10
28 46 13 31-1527	EA	1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC)	23.94	5.10
28 46 13 31-1528	EA	1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B)	25.08	5.10
28 46 13 31-1529	EA	1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D)	26.40	5.10
28 46 13 31-1530	EA	2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC)	26.40	5.10
28 46 13 31-1531	EA	2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC)	26.40	5.10
28 46 13 31-1532	EA	2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B)	27.60	5.10
28 46 13 31-1533	EA	2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D)	27.60	5.10
28 46 13 31-1534	EA	3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC)	27.60	5.10
28 46 13 31-1535	EA	3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B)	28.92	5.10
28 46 13 31-1536	EA	3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D)	28.92	5.10
28 46 13 31-1537	EA	4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC)	30.12	5.10
28 46 13 31-1538	EA	4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC)	30.12	5.10
28 46 13 31-1539	EA	4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB)	31.43	5.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1540	EA	4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD)	35.15	5.10
28 46 13 31-1541	EA	5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC)	33.89	5.10
28 46 13 31-1542	EA	5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B)	32.64	5.10
28 46 13 31-1543	EA	5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D)	35.15	5.10
28 46 13 31-1544	EA	Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCPC)	31.50	7.65
28 46 13 31-1545	EA	Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB)	32.70	7.65
28 46 13 31-1546	EA	Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD)	36.53	7.65
28 46 13 31-1547	EA	Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC)	61.42	7.65
28 46 13 31-1548	EA	Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB)	65.08	7.65
28 46 13 31-1549	EA	Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD)	68.74	7.65
28 46 13 31-1550	EA	Surface Mounted Back Box, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBBPC)	54.11	12.75
28 46 13 31-1551	EA	Surface Mounted Back Box, Plated Brass For Electromagnetic Door Holder (Notifier DHBBB)	56.63	12.75
28 46 13 31-1552	EA	Surface Mounted Back Box, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD)	61.67	12.75
28 46 13 31-1553	EA	Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF)	353.54	

28 46 13 31-1554 First Command *(28 46 13 31-0973)*

28 46 13 31-1555	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100)	6,006.41	637.79
28 46 13 31-1556	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E)	6,069.80	637.79
28 46 13 31-1557	EA	Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA)	1,745.75	51.02
28 46 13 31-1558	EA	Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE)	1,793.30	51.02
28 46 13 31-1559	EA	Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA)	3,226.12	51.02
28 46 13 31-1560	EA	Black, , 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE)	3,331.78	51.02
28 46 13 31-1561	EA	50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt)	829.13	25.51
28 46 13 31-1562	EA	50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt)	829.13	25.51
28 46 13 31-1563	EA	Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4)	513.26	25.51
28 46 13 31-1564	EA	Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6)	673.39	25.51
28 46 13 31-1565	EA	Standalone Firefighter Telephone System (Notifier NFC-FFT) Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black.	2,375.52	51.02
28 46 13 31-1566	EA	Local Operator Console (Notifier NFC-LOC) Note: Includes built-in microphone, message and zone control switches, black.	2,324.80	51.02
28 46 13 31-1567	EA	Black, Remote Microphone (Notifier NFC-RM)	686.47	
28 46 13 31-1568	EA	Remote Page Unit (Notifier NFC-RPU) Note: Includes built-in microphone, message control switches, black.	1,960.25	51.02
28 46 13 31-1569	EA	70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V)	386.26	25.51
28 46 13 31-1570	EA	Firefighters Phone Jack (Notifier N-FPJ)	178.35	7.65
28 46 13 31-1571	EA	Thumblatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH)	46.89	7.65
28 46 13 31-1572	EA	Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B)	155.61	15.31

28 46 13 31-1573 LED Displays *(28 46 13 31-0973)*

28 46 13 31-1574	EA	2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215)	1,870.21	30.61
28 46 13 31-1575	EA	Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW)	2,629.21	40.82
28 46 13 31-1576	EA	4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT)	2,659.86	40.82
28 46 13 31-1577	EA	8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8)	2,554.19	40.82
28 46 13 31-1578	EA	16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16)	3,579.14	40.82
28 46 13 31-1579	EA	LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V)	2,712.69	40.82

28 46 13 31-1580 Control Relays *(28 46 13 31-0973)*

28 46 13 31-1581	EA	Single SPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-101/CR)	74.37	12.75
28 46 13 31-1582	EA	Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T)	55.03	12.75
28 46 13 31-1583	EA	Four Position SPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-104/CR)	208.34	25.51
28 46 13 31-1584	EA	Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T)	117.33	12.75
28 46 13 31-1585	EA	Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T)	141.07	12.75
28 46 13 31-1586	EA	24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C)	214.63	25.51
28 46 13 31-1587	EA	120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C)	214.63	25.51
28 46 13 31-1588	EA	Single DPDT Relay With LED With Metal Back Box And Red Plastic Cover (Notifier MR-201/CR)	103.65	25.51
28 46 13 31-1589	EA	Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T)	60.06	12.75
28 46 13 31-1590	EA	Four Position DPDT Relay With LEDs With Metal Back Box And Red Plastic Cover (Notifier MR-204/CR)	228.94	25.51
28 46 13 31-1591	EA	24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1)	71.84	25.51
28 46 13 31-1592	EA	12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2)	71.84	25.51
28 46 13 31-1593	EA	9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4)	71.84	25.51

28 46 13 31-1594 Gamewell-FCI Fire Control Instruments *(28 46 13 31-0973)*

28 46 13 31-1595 7100 Series And NetSOLO® *(28 46 13 31-1594)*

28 46 13 31-1596 7100 Compact Analog Addressable Fire Alarm Control Panels *(28 46 13 31-1595)*

28 46 13 31-1597	EA	Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M)	1,025.33	306.14
28 46 13 31-1598	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2)	4,573.37	510.23
28 46 13 31-1599	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D)	5,054.13	510.23
28 46 13 31-1600	EA	Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E)	4,573.37	510.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1601	EA	Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E)	5,054.13	510.23
28 46 13 31-1602	EA	Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1)	1,583.26	
28 46 13 31-1603	EA	Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D)	1,904.89	
28 46 13 31-1604	EA	Analog Loop Unit (Gamewell-FCI ALU)	1,904.89	51.02
28 46 13 31-1605		**NetSOLO® Intelligent Network** *(28 46 13 31-1595)*		
28 46 13 31-1606	EA	Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) Note: Mounted in 7100 panel.	2,116.49	51.02
28 46 13 31-1607	EA	Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) Note: Mounted in 7100 panel.	1,674.67	51.02
28 46 13 31-1608		**Components And Accessories** *(28 46 13 31-1595)*		
28 46 13 31-1609	EA	Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100)	1,034.66	38.27
28 46 13 31-1610	EA	Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100)	772.40	51.02
28 46 13 31-1611	EA	Fiber Optic Line Driver Module (Gamewell-FCI FLD-1)	1,444.45	51.02
28 46 13 31-1612	EA	Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM)	562.49	51.02
28 46 13 31-1613	EA	Enclosure Box (Gamewell-FCI EN-7100)	419.09	102.05
28 46 13 31-1614	EA	Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2)	1,527.15	25.51
28 46 13 31-1615		**E3 Series® Basic System** *(28 46 13 31-1594)*		
28 46 13 31-1616	EA	Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3)	1,355.66	51.02
28 46 13 31-1617	EA	Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3)	1,156.60	51.02
28 46 13 31-1618	EA	Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3)	1,355.66	51.02
28 46 13 31-1619	EA	Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3)	1,156.60	51.02
28 46 13 31-1620	EA	LCD Keypad Display (Gamewell-FCI LCD-E3)	870.67	51.02
28 46 13 31-1621	EA	Power Supply Module (Gamewell-FCI PM-9)	1,150.33	51.02
28 46 13 31-1622	EA	Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX)	963.31	51.02
28 46 13 31-1623	EA	Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A)	968.95	25.51
28 46 13 31-1624	EA	Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3)	533.36	51.02
28 46 13 31-1625	EA	Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO)	1,484.49	51.02
28 46 13 31-1626	EA	Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP)	1,238.40	51.02
28 46 13 31-1627	EA	Local Operating Console (Gamewell-FCI 1100-0455)	823.93	38.27
28 46 13 31-1628	EA	Network Graphic Annunciator (Gamewell-FCI 1100-0505)	2,710.83	38.27
28 46 13 31-1629	EA	70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70)	1,052.70	51.02
28 46 13 31-1630	EA	INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326)	3,275.69	51.02
28 46 13 31-1631	EA	8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1)	698.63	102.05
28 46 13 31-1632	EA	C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC)	496.98	102.05
28 46 13 31-1633	EA	Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP)	107.03	25.51
28 46 13 31-1634	EA	Programmable Switch Module (Gamewell-FCI ASM-16)	728.28	51.02
28 46 13 31-1635	EA	LED Driver module (Gamewell-FCI ANU-48)	728.28	51.02
28 46 13 31-1636	EA	Network Graphic Annunciator (Gamewell-FCI NGA)	2,269.06	38.27
28 46 13 31-1637		**Addressable Devices, Module, Pulls And Accessories** *(28 46 13 31-1594)*		
28 46 13 31-1638		**Velociti® Series Sensors And Bases** *(28 46 13 31-1637)*		
28 46 13 31-1639	EA	Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F)	215.34	38.27
28 46 13 31-1640	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F)	220.42	38.27
28 46 13 31-1641	EA	Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F)	235.65	38.27
28 46 13 31-1642	EA	Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F)	174.71	38.27
28 46 13 31-1643	EA	Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F)	183.18	38.27
28 46 13 31-1644	EA	Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F)	174.71	38.27
28 46 13 31-1645	EA	Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F)	271.20	38.27
28 46 13 31-1646	EA	Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS)	626.69	38.27
28 46 13 31-1647	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF)	508.43	63.78
28 46 13 31-1648	EA	Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF)	576.14	63.78
28 46 13 31-1649	EA	Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB)	257.90	
28 46 13 31-1650	EA	Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF)	52.59	12.75
28 46 13 31-1651	EA	Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F)	677.48	38.27
28 46 13 31-1652	EA	Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF)	131.31	12.75
28 46 13 31-1653	EA	Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F)	2,438.36	76.53
28 46 13 31-1654		**Velociti® Series Modules And Pull Station** *(28 46 13 31-1637)*		
28 46 13 31-1655	EA	Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F)	158.51	25.51
28 46 13 31-1656	EA	Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF)	266.01	25.51
28 46 13 31-1657	EA	Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F)	175.44	25.51
28 46 13 31-1658	EA	Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF)	254.16	25.51
28 46 13 31-1659	EA	Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF)	209.30	25.51
28 46 13 31-1660	EA	Addressable Output Supervised Module (Gamewell-FCI AOM-2SF)	217.76	25.51
28 46 13 31-1661	EA	Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF)	294.18	51.02
28 46 13 31-1662	EA	Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF)	225.38	25.51
28 46 13 31-1663	EA	Telephone Filters (Gamewell-FCI AOM-TEL-FL)	35.60	5.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1664		**Components And Accessories** *(28 46 13 31-1637)*		
28 46 13 31-1665	EA	Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) Note: Mounts on single gang box.	83.14	20.41
28 46 13 31-1666	EA	Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5)	41.57	10.21
28 46 13 31-1667	EA	>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3)	44.96	10.21
28 46 13 31-1668	EA	>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5)	53.44	12.75
28 46 13 31-1669	EA	>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10)	89.86	15.31
28 46 13 31-1670	EA	Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451) Note: Mounts on single gang box.	135.62	20.41
28 46 13 31-1671		**Fixed And Rate of Rise Heat Detectors** *(28 46 13 31-1637)*		
28 46 13 31-1672	EA	135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P)	105.31	38.27
28 46 13 31-1673	EA	194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602)	105.31	38.27
28 46 13 31-1674	EA	135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603)	103.65	38.27
28 46 13 31-1675	EA	194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604)	103.65	38.27
28 46 13 31-1676		**NAC Expander/Power Supply** *(28 46 13 31-1637)*		
28 46 13 31-1677	EA	FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8)	2,035.19	408.18
28 46 13 31-1678	EA	6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6)	1,713.56	408.18
28 46 13 31-1679	EA	9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9)	1,874.38	408.18
28 46 13 31-1680		**Batteries And Accessories** *(28 46 13 31-1594)*		
28 46 13 31-1681	EA	B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A)	342.18	25.51
28 46 13 31-1682	EA	B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A)	894.04	25.51
28 46 13 31-1683	EA	B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A)	172.90	25.51
28 46 13 31-1684	EA	BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653)	408.45	51.02
28 46 13 31-1685	EA	BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654)	408.45	51.02
28 46 13 31-1686	EA	12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970)	359.36	51.02
28 46 13 31-1687		**Electronic Door Holders** *(28 46 13 31-1594)* Note: Rixson products.		
28 46 13 31-1688	EA	XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000)	59.98	5.10
28 46 13 31-1689	EA	FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000)	482.80	38.27
28 46 13 31-1690	EA	FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001)	667.32	38.27
28 46 13 31-1691	EA	FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002)	298.97	38.27
28 46 13 31-1692	EA	FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003)	283.73	38.27
28 46 13 31-1693	EA	FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004)	298.97	38.27
28 46 13 31-1694	EA	FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005)	298.29	38.27
28 46 13 31-1695		**Fire Alarm Programming** *(28 46 13 31-1594)* Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.		
28 46 13 31-1696	EA	Program And Test Up To 5 Total Fire Alarm Devices	500.00	
28 46 13 31-1697	EA	Program And Test >5 To 20 Total Fire Alarm Devices	1,000.00	
28 46 13 31-1698	EA	Program And Test >20 To 50 Total Fire Alarm Devices	2,000.00	
28 46 13 31-1699		**Fire-Lite Fire Alarm** *(28 46 13 31-0972)*		
28 46 13 31-1700		**Intelligent Addressable Fire Alarm Control Panel** *(28 46 13 31-1699)*		
28 46 13 31-1701	EA	50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X)	1,246.83	204.10
28 46 13 31-1702	EA	198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X)	1,620.45	229.60
28 46 13 31-1703	EA	954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X)	2,458.24	255.12
28 46 13 31-1704	EA	Loop Expander Module (Fire-Lite SLC-3LS)	747.35	38.27
28 46 13 31-1705	EA	Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F)	201.58	25.51
28 46 13 31-1706	EA	Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F)	289.83	25.51
28 46 13 31-1707	EA	Battery Back Box (Fire-Lite BB-26)	178.25	15.31
28 46 13 31-1708	EA	Battery Box (Fire-Lite BB-55F)	334.89	15.31
28 46 13 31-1709	EA	Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6)	89.23	10.21
28 46 13 31-1710	EA	Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75)	790.27	25.51
28 46 13 31-1711	EA	Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F)	1,686.00	51.02
28 46 13 31-1712	EA	6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6)	918.27	25.51
28 46 13 31-1713	EA	10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10)	949.22	25.51
28 46 13 31-1714	EA	Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80)	364.45	25.51
28 46 13 31-1715	EA	Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O)	448.67	25.51
28 46 13 31-1716	EA	Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED)	390.91	25.51
28 46 13 31-1717	EA	Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED)	390.91	25.51
28 46 13 31-1718	EA	Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY)	312.03	25.51
28 46 13 31-1719	EA	Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG)	304.90	25.51
28 46 13 31-1720	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365 A)	146.07	38.27
28 46 13 31-1721	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T A)	165.55	38.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1722	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R A)	171.13	38.27
28 46 13 31-1723	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO)	318.42	38.27
28 46 13 31-1724	EA	Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365 A)	139.11	38.27
28 46 13 31-1725	EA	Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R A)	158.51	38.27
28 46 13 31-1726	EA	Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT A)	190.14	38.27
28 46 13 31-1727	EA	Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL)	632.63	38.27
28 46 13 31-1728	EA	Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355 A)	224.58	38.27
28 46 13 31-1729	EA	Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355 A)	146.07	38.27
28 46 13 31-1730	EA	Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T A)	193.09	38.27
28 46 13 31-1731	EA	Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R A)	218.00	38.27
28 46 13 31-1732	EA	Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO)	156.50	38.27
28 46 13 31-1733	EA	Fast-Response, Low-Profile Heat Detector (Fire-Lite H355 A)	192.44	38.27
28 46 13 31-1734	EA	Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R A)	185.76	38.27
28 46 13 31-1735	EA	Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT A)	220.20	38.27
28 46 13 31-1736	EA	Low-Profile, Intelligent, "Adapt" Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355 A)	214.71	38.27
28 46 13 31-1737	EA	Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH)	135.96	25.51
28 46 13 31-1738	EA	Addressable Sounder Base (Fire-Lite B200SR(A)-WH)	158.57	25.51
28 46 13 31-1739	EA	Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH)	182.94	25.51
28 46 13 31-1740	EA	Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH)	187.04	25.51
28 46 13 31-1741	EA	Intelligent Beam Smoke Detector (Fire-Lite BEAM355)	1,759.96	38.27
28 46 13 31-1742	EA	Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S)	2,016.59	38.27
28 46 13 31-1743	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL A)	276.71	25.51
28 46 13 31-1744	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR A)	163.93	25.51
28 46 13 31-1745	EA	Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW)	257.69	25.51
28 46 13 31-1746	EA	Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300)	107.31	15.31
28 46 13 31-1747	EA	Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6)	578.62	25.51
28 46 13 31-1748	EA	Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300)	160.79	25.51
28 46 13 31-1749	EA	Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6)	481.50	25.51
28 46 13 31-1750	EA	Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300)	87.69	12.75
28 46 13 31-1751	EA	Six-Fault Isolator Module (Fire-Lite ISO-6)	430.25	25.51
28 46 13 31-1752	EA	Dual Monitor Module (Fire-Lite MDF-300)	197.96	25.51
28 46 13 31-1753	EA	Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300)	87.43	12.75
28 46 13 31-1754	EA	Ten-Input Monitor Module (Fire-Lite MMF-300-10)	627.16	25.51
28 46 13 31-1755	EA	Miniature Version Of MMF-300 (Fire-Lite MMF-301)	114.52	20.41
28 46 13 31-1756	EA	Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302)	164.59	25.51
28 46 13 31-1757	EA	Six-Zone Interface Module (Fire-Lite MMF-302-6)	620.16	25.51
28 46 13 31-1758	EA	Mount For Modules (Fire-Lite SMB500)	17.65	2.55
28 46 13 31-1759		**Addressable Control Panels** *(28 46 13 31-1699)*		
28 46 13 31-1760	EA	25 Point Intelligent Control (Fire Lite MS-25)	1,935.59	510.23
28 46 13 31-1761	EA	50 Point Intelligent Control (Fire Lite MS-9050UD)	2,158.24	510.23
28 46 13 31-1762	EA	198-Point Intelligent Control (Fire Lite MS-9200UDLS)	3,011.66	510.23
28 46 13 31-1763	EA	636-Point Intelligent Control (Fire Lite MS-9600LS)	4,498.30	510.23
28 46 13 31-1764	EA	636-Point Intelligent Control (Fire Lite MS-9600UDLS)	4,398.10	510.23
28 46 13 31-1765	EA	IP And 4G Cellur Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G)	680.62	
28 46 13 31-1766		**Silent Knight Fire Alarm** *(28 46 13 31-0972)*		
28 46 13 31-1767		**Addressable Fire Alarm Control Panel** *(28 46 13 31-1766)*		
28 46 13 31-1768	EA	Addressable Fire Alarm Control Panel (Silent Knight 6820)	2,536.11	255.12
28 46 13 31-1769		**Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System** *(28 46 13 31-1766)*		
28 46 13 31-1770	EA	Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS)	5,022.53	255.12
28 46 13 31-1771		**Compatable EVS Equipment** *(28 46 13 31-1766)*		
28 46 13 31-1772	EA	50 Watt Amplifier (Silent Knight EVS-50W)	914.45	51.02
28 46 13 31-1773	EA	125 Watt Amplifier (Silent Knight EVS-125W)	1,618.41	51.02
28 46 13 31-1774	EA	50/100 Watt Amplifier (Silent Knight EVS-100W)	2,016.66	51.02
28 46 13 31-1775	EA	External Backup Amplifier (Silent Knight EVS-100WBU)	695.62	51.02
28 46 13 31-1776	EA	50 Watt Internal Amplifier (Silent Knight EVS-INT50W)	652.90	51.02
28 46 13 31-1777	EA	4 Additional Audio Circuits (Silent Knight EVS-CE4)	239.94	12.75
28 46 13 31-1778	EA	Remote Voice Module (Silent Knight EVS-RVM)	1,084.20	20.41
28 46 13 31-1779	EA	24 Switch Expander (Silent Knight EVS-SW24)	423.22	25.51
28 46 13 31-1780	EA	Network Voice Control Module (Silent Knight EVS-VCM)	1,299.25	20.41
28 46 13 31-1781	EA	Local Operator Consoule (Silent Knight EVS-LOC)	1,740.03	51.02
28 46 13 31-1782		**Compatable SBUS Devices** *(28 46 13 31-1766)*		
28 46 13 31-1783	EA	4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860)	1,034.25	51.02
28 46 13 31-1784	EA	4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860)	453.10	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1785	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R)	543.37	51.02
28 46 13 31-1786	EA	4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855)	350.78	51.02
28 46 13 31-1787	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3)	456.49	51.02
28 46 13 31-1788	EA	LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4)	483.64	51.02
28 46 13 31-1789	EA	LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880)	378.42	38.27
28 46 13 31-1790	EA	Relay Interface. Provides 10 Form C Relays (Silent Knight 5883)	228.65	25.51
28 46 13 31-1791	EA	Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824)	313.08	25.51
28 46 13 31-1792		**SK Compatible Addressable Device** *(28 46 13 31-1766)*		
28 46 13 31-1793	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE)	153.70	38.27
28 46 13 31-1794	EA	Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM)	949.46	38.27
28 46 13 31-1795	EA	Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T)	1,078.49	38.27
28 46 13 31-1796	EA	Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK)	1,218.41	38.27
28 46 13 31-1797	EA	Supervised Control Module (Silent Knight SK-CONTROL)	152.00	38.27
28 46 13 31-1798	EA	Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6)	482.52	51.02
28 46 13 31-1799	EA	Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT)	256.66	38.27
28 46 13 31-1800	EA	Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO)	230.06	38.27
28 46 13 31-1801	EA	Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W)	258.80	38.27
28 46 13 31-1802	EA	Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT)	138.29	38.27
28 46 13 31-1803	EA	Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W)	142.66	38.27
28 46 13 31-1804	EA	Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR)	140.01	38.27
28 46 13 31-1805	EA	Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W)	142.66	38.27
28 46 13 31-1806	EA	Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT)	138.29	38.27
28 46 13 31-1807	EA	Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W)	142.66	38.27
28 46 13 31-1808	EA	Fault Isolator Module (Silent Knight SK-ISO)	138.29	38.27
28 46 13 31-1809	EA	Mini Monitor Module (Silent Knight SK-MINIMON)	126.27	38.27
28 46 13 31-1810	EA	Monitor Module (Silent Knight SK-MONITOR)	135.16	38.27
28 46 13 31-1811	EA	Dual Input Monitor Module (Silent Knight SK-MONITOR-2)	179.47	38.27
28 46 13 31-1812	EA	10 Input Monitor Module (Silent Knight SK-MON-10)	547.03	51.02
28 46 13 31-1813	EA	Photoelectric Smoke Detector (Silent Knight SK-PHOTO)	141.72	38.27
28 46 13 31-1814	EA	Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W)	150.72	38.27
28 46 13 31-1815	EA	Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R)	144.28	38.27
28 46 13 31-1816	EA	Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W)	153.41	38.27
28 46 13 31-1817	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T)	148.58	38.27
28 46 13 31-1818	EA	Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W)	157.69	38.27
28 46 13 31-1819	EA	Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W)	168.43	38.27
28 46 13 31-1820	EA	Addressable Single Action Pull Station (Silent Knight SK-PULL-SA)	137.77	25.51
28 46 13 31-1821	EA	Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA)	137.77	25.51
28 46 13 31-1822	EA	Addressable Relay Module (Silent Knight SK-RELAY)	126.49	25.51
28 46 13 31-1823	EA	Addressable Six Relay Control Module (Silent Knight SK-RELAY-6)	469.28	51.02
28 46 13 31-1824	EA	Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2)	290.96	38.27
28 46 13 31-1825	EA	Addressable Zone Interface Module (Silent Knight SK-ZONE)	165.74	38.27
28 46 13 31-1826	EA	Six Zone Interface Module (Silent Knight SK-ZONE-6)	570.20	51.02
28 46 13 31-1827		**SK Bases** *(28 46 13 31-1766)*		
28 46 13 31-1828	EA	6" Mounting Base (Silent Knight B210LP)	39.66	12.75
28 46 13 31-1829	EA	4" Flangeless Mounting Base (Silent Knight B501)	42.52	12.75
28 46 13 31-1830	EA	Intelligent Sounder Base (Silent Knight B200S)	87.25	12.75
28 46 13 31-1831	EA	Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF)	123.30	12.75
28 46 13 31-1832	EA	Relay Base (Silent Knight B224RB)	70.81	12.75
28 46 13 31-1833	EA	Isolator Base (Silent Knight B224BI)	69.93	12.75
28 46 13 31-1834		**SD Compatible Addressable Device** *(28 46 13 31-1766)*		
28 46 13 31-1835	EA	Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB)	37.85	12.75
28 46 13 31-1836	EA	Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB)	52.93	12.75
28 46 13 31-1837	EA	6" Addressable Relay Base (Silent Knight SD505-6RB)	153.78	12.75
28 46 13 31-1838	EA	6" Addressable Sounder Base (Silent Knight SD505-6SB)	159.43	12.75
28 46 13 31-1839	EA	Addressable Input Module (Silent Knight SD500-AIM)	249.35	38.27
28 46 13 31-1840	EA	Addressable Notification Module (Silent Knight SD500-ANM)	237.80	38.27
28 46 13 31-1841	EA	Addressable Relay Module (Silent Knight SD500-ARM)	257.77	38.27
28 46 13 31-1842		**System Expanders** *(28 46 13 31-1766)*		
28 46 13 31-1843	EA	SLC Expander For IDP Or SK Devices (Silent Knight 6815)	541.77	51.02
28 46 13 31-1844	EA	SLC Expander For SD Devices (Silent Knight 5815XL)	475.15	51.02
28 46 13 31-1845	EA	6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000)	871.52	25.51
28 46 13 31-1846	EA	6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496)	585.54	76.53
28 46 13 31-1847		**Miscellaneous Accessories** *(28 46 13 31-1766)*		
28 46 13 31-1848	EA	Remote Battery Box Accessory Cabinet (Silent Knight RBB)	138.50	25.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1849		**Silent Knight Fire Alarm** *(28 46 13 31-0972)*		
28 46 13 31-1850	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS)	5,437.77	255.12
28 46 13 31-1851	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU)	2,222.91	153.07
28 46 13 31-1852	EA	Voice Evacuation System (Silent Knight SKE-450)	2,713.07	102.05
28 46 13 31-1853	EA	Fire Fighters Telephone (Silent Knight SK-FFT)	2,238.39	102.05
28 46 13 31-1854	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL)	2,354.33	153.07
28 46 13 31-1855	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808)	1,686.86	102.05
28 46 13 31-1856	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700)	1,272.23	102.05
28 46 13 31-1857	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600)	1,086.96	102.05
28 46 13 31-1858	EA	Ionization Smoke Detector (Silent Knight SK-ION)	196.00	38.27
28 46 13 31-1859	EA	Sounder Base (Silent Knight B200SR)	116.62	12.75
28 46 13 31-1860	EA	Intelligent Sounder Base (Silent Knight B200S)	124.02	12.75
28 46 13 31-1861	EA	Isolator Base (Silent Knight B224BI)	95.71	12.75
28 46 13 31-1862	EA	Relay Base (Silent Knight B224RB)	96.92	12.75
28 46 13 31-1863	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS)	191.27	38.27
28 46 13 31-1864	EA	Addressable Heat Sensor (Silent Knight SD505-AHS)	173.16	38.27
28 46 13 31-1865	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS)	177.49	38.27
28 46 13 31-1866	EA	6" Isolator Base (Silent Knight SD505-6IB)	122.80	12.75
28 46 13 31-1867	EA	SLC Annunciator Driver Module (Silent Knight SD500-LED)	818.65	76.53
28 46 13 31-1868	EA	Loop Isolation Module (Silent Knight SD500-LIM)	184.89	38.27
28 46 13 31-1869	EA	Addressable Mini Input Module (Silent Knight SD500-MIM)	148.31	25.51
28 46 13 31-1870	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS)	195.69	25.51
28 46 13 31-1871	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA)	186.20	25.51
28 46 13 31-1872	EA	Back Box (Silent Knight SK-PSSMBB)	80.53	20.41
28 46 13 31-1873	EA	Smoke Detector Module (Silent Knight SD500-SDM)	209.33	38.27
28 46 13 31-1874	EA	Addressable Duct Housing (Silent Knight SD505-DUCT)	313.53	38.27
28 46 13 31-1875	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR)	467.71	38.27
28 46 13 31-1876	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS)	182.43	38.27
28 46 13 31-1877	EA	Intelligent Power Module (Silent Knight 5895XL)	1,185.31	102.05
28 46 13 31-1878	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA)	186.20	25.51
28 46 13 31-1879	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104)	656.24	76.53
28 46 13 31-1880	EA	Communicator (Silent Knight IPGSM-4G)	1,007.94	51.02
28 46 13 31-1881	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208)	1,580.63	102.05
28 46 13 31-1882	EA	10 Zone Expander (Silent Knight SK-5217)	444.52	25.51
28 46 13 31-1883	EA	Remote Annunciator (Silent Knight SK-5235)	430.73	51.02
28 46 13 31-1884	EA	Status Display Module (Silent Knight 5280)	118.76	25.51
28 46 13 31-1885	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4)	874.25	102.05
28 46 13 31-1886	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E)	892.54	102.05
28 46 13 31-1887	EA	Dress Panel (Silent Knight SK-DP2/4)	161.84	25.51
28 46 13 31-1888	EA	Class A Convertor (Silent Knight SK-CAC4)	437.62	38.27
28 46 13 31-1889	EA	Transmitter Module (Silent Knight SK-4XTM	221.20	38.27
28 46 13 31-1890	EA	LED Interface Module (Silent Knight SK-4XLM	202.22	38.27
28 46 13 31-1891	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24)	214.66	25.51
28 46 13 31-1892	EA	Remote Annunciator (Silent Knight SK-RZA4)	202.22	38.27
28 46 13 31-1893	EA	Zone Relay Module (Silent Knight SK-4XZM)	218.82	38.27
28 46 13 31-1894	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2)	748.44	102.05
28 46 13 31-1895	EA	Manual Pull Station (single action) (Silent Knight PS-SATK)	96.94	25.51
28 46 13 31-1896	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK)	106.10	25.51
28 46 13 31-1897	EA	Manual Pull Station (dual action) (Silent Knight PS-DA)	103.53	25.51
28 46 13 31-1898	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH)	90.96	25.51
28 46 13 31-1899	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB)	217.76	30.61
28 46 13 31-1900	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495)	770.61	76.53
28 46 13 31-1901	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499)	871.25	76.53
28 46 13 31-1902	EA	Detector (Silent Knight IDP-PhotoR)	259.05	38.27
28 46 13 31-1903	EA	Monitoring Module (Silent Knight IDP)	268.66	38.27
28 46 13 31-1904	EA	I/O Input-Output Module (Silent Knight SK-2880)	723.48	25.51
28 46 13 31-1905	EA	Remote Annunciator (Silent Knight RA-2000)	2,074.37	76.53
28 46 13 31-1906	EA	Power Supply (Silent Knight 5195/96)	1,299.86	25.51
28 46 13 31-1907	EA	8 Zone Expander (Silent Knight SK-5210)	1,011.67	25.51
28 46 13 31-1908	EA	LCD Remote Annunciator (Silent Knight SK-5230)	407.58	51.02
28 46 13 31-1909	EA	Ionization Smoke Detector (Silent Knight SK-ION)	196.00	38.27
28 46 13 31-1910	EA	Addressable Relay Module (Silent Knight IDP-Relay)	220.63	38.27
28 46 13 31-1911	EA	Telephone Line Monitor (Silent Knight SK-7150)	137.48	25.51
28 46 13 31-1912	EA	Serial Driver Board (Silent Knight SK-2884)	264.28	25.51
28 46 13 31-1913	EA	Smoke Detector Base (Silent Knight IDP-6AB)	73.54	12.75
28 46 13 31-1914	EA	Mini Input Module (Silent Knight IDP-MINIMON)	195.12	25.51
28 46 13 31-1915	EA	Status Display Module (Silent Knight SK-4180)	742.69	25.51
28 46 13 31-1916	EA	8-Channel Digital Communicator (Silent Knight SK-1420)	435.28	25.51
28 46 13 31-1917	EA	Serial Parallel Module (Silent Knight SK-4824)	396.85	25.51
28 46 13 31-1918	EA	Power Supply (Silent Knight SK-5197 / SK-5198)	1,492.00	25.51
28 46 13 31-1919	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204)	2,509.66	102.05
28 46 13 31-1920	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION)	268.66	38.27
28 46 13 31-1921	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo)	220.63	38.27
28 46 13 31-1922		**Alerton Fire Alarm** *(28 46 13 31)*		
28 46 13 31-1923	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100)	612.56	7.65

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1924		Cooper Fire Alarm *(28 46 13 31)*		
28 46 13 31-1925	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R)	191.75	25.51
28 46 13 31-1926	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001)	4,673.90	43.37
28 46 13 31-1927	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002)	6,173.51	43.37
28 46 13 31-1928	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001)	2,229.84	51.02
28 46 13 31-1929	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002)	2,243.17	51.02
28 46 13 31-1930	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007)	2,243.17	51.02
28 46 13 31-1931	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001)	1,653.32	51.02
28 46 13 31-1932	EA	Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003)	1,653.32	51.02
28 46 13 31-1933	EA	Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004)	1,653.32	51.02
28 46 13 31-1934	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005)	2,243.17	51.02
28 46 13 31-1935	EA	Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006)	2,243.17	51.02
28 46 13 31-1936	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Blackstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007)	2,243.17	51.02
28 46 13 31-1937	EA	Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008)	2,243.17	51.02
28 46 13 31-1938	EA	Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002)	2,243.17	51.02
28 46 13 31-1939	EA	Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001)	2,588.08	51.02
28 46 13 31-1940	EA	Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003)	2,401.46	51.02
28 46 13 31-1941	EA	Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005)	2,401.46	51.02
28 46 13 31-1942	EA	Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006)	2,401.46	51.02
28 46 13 31-1943		Light Engineered Displays Message Boards *(28 46 13 31)*		
28 46 13 31-1944	EA	Two Message Sign, Announcement And Evacuate (LED SP-2/MNS)	952.20	30.61
28 46 13 31-1945	EA	Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4)	837.52	30.61
28 46 13 31-1946		Safety Technology International Fire Alarm *(28 46 13 31)*		
28 46 13 31-1947		Enclosures *(28 46 13 31-1946)*		
28 46 13 31-1948	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O)	144.14	15.31
28 46 13 31-1949	EA	6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W)	189.76	15.31
28 46 13 31-1950	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O)	147.18	15.31
28 46 13 31-1951	EA	8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W)	190.77	15.31
28 46 13 31-1952	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O)	151.24	15.31
28 46 13 31-1953	EA	8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W)	221.18	15.31
28 46 13 31-1954	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O)	158.33	15.31
28 46 13 31-1955	EA	10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W)	220.17	15.31
28 46 13 31-1956	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O)	170.50	15.31
28 46 13 31-1957	EA	12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W)	239.43	15.31
28 46 13 31-1958	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O)	203.95	15.31
28 46 13 31-1959	EA	14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W)	312.41	15.31
28 46 13 31-1960	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O)	220.17	15.31
28 46 13 31-1961	EA	14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W)	395.53	15.31
28 46 13 31-1962	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O)	234.36	15.31
28 46 13 31-1963	EA	16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W)	407.70	15.31
28 46 13 31-1964	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O)	279.97	15.31
28 46 13 31-1965	EA	18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W)	418.85	15.31
28 46 13 31-1966	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O)	407.70	15.31
28 46 13 31-1967	EA	20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W)	608.40	15.31
28 46 13 31-1968	EA	6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O)	105.62	15.31
28 46 13 31-1969	EA	6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T)	115.76	15.31
28 46 13 31-1970	EA	8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O)	110.18	15.31
28 46 13 31-1971	EA	8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T)	118.80	15.31
28 46 13 31-1972	EA	8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O)	114.24	15.31
28 46 13 31-1973	EA	8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T)	124.37	15.31
28 46 13 31-1974	EA	10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O)	115.76	15.31
28 46 13 31-1975	EA	10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T)	136.54	15.31
28 46 13 31-1976	EA	10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O)	121.84	15.31
28 46 13 31-1977	EA	10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T)	140.59	15.31
28 46 13 31-1978	EA	10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O)	127.42	15.31
28 46 13 31-1979	EA	10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T)	143.13	15.31
28 46 13 31-1980	EA	12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O)	128.94	15.31
28 46 13 31-1981	EA	12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T)	148.20	15.31
28 46 13 31-1982	EA	14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O)	152.25	15.31
28 46 13 31-1983	EA	14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T)	190.77	15.31
28 46 13 31-1984	EA	16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O)	168.47	15.31
28 46 13 31-1985	EA	16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T)	229.29	15.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1986	EA	18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O)	187.73	15.31
28 46 13 31-1987	EA	18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T)	246.52	15.31
28 46 13 31-1988	EA	18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O)	214.08	15.31
28 46 13 31-1989	EA	18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T)	290.11	15.31
28 46 13 31-1990	EA	20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O)	344.85	15.31
28 46 13 31-1991	EA	20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T)	361.07	15.31
28 46 13 31-1992	EA	24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O)	523.25	15.31
28 46 13 31-1993	EA	24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T)	607.39	15.31
28 46 13 31-1994		**STI® Fire Alarm Devices** *(28 46 13 31-1946)*		
28 46 13 31-1995	EA	Pull Station Polycarbonate Cover, Semi-Flush With Horn (STI-1100) Note: Includes 9 Volt DC self contained battery.	174.04	15.31
28 46 13 31-1996	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130)	190.77	15.31
28 46 13 31-1997	EA	Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200)	108.92	15.31
28 46 13 31-1998	EA	Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) Note: For surface mounted horn strobes.	109.93	15.31
28 46 13 31-1999	EA	Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E)	96.75	15.31
28 46 13 31-2000	EA	Strobe Damage Stopper And Open Back Box With Conduit Knockout (STI-1221D) Note: For surface mounted strobe.	109.93	15.31
28 46 13 31-2001	EA	Strobe Damage Stopper And Open Back Box, Semi-Flush (STI-1221E)	86.87	15.31
28 46 13 31-2002	EA	NEMA 4X Rated Polycarbonate Dome Cover (STI-1229)	216.11	15.31
28 46 13 31-2003	EA	Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) Note: For surface mounted pull stations.	141.10	15.31
28 46 13 31-2004	EA	Backplate For Polycarbonate Cover (STI-1280)	62.64	15.31
28 46 13 31-2005	EA	Conduit Gasket For Polycarbonate Cover (STI-3003)	42.77	15.31
28 46 13 31-2006	EA	Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100)	63.76	15.31
28 46 13 31-2007	EA	Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150)	158.84	15.31
28 46 13 31-2008	EA	8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A)	129.95	15.31
28 46 13 31-2009	EA	Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100)	93.46	15.31
28 46 13 31-2010	EA	Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601)	87.88	15.31
28 46 13 31-2011	EA	Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602)	84.59	15.31
28 46 13 31-2012	EA	Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604)	87.88	15.31
28 46 13 31-2013	EA	Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605)	84.59	15.31
28 46 13 31-2014	EA	Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609)	87.88	15.31
28 46 13 31-2015	EA	Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610)	84.59	15.31
28 46 13 31-2016	EA	Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625)	175.06	15.31
28 46 13 31-2017	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705)	77.95	15.31
28 46 13 31-2018	EA	Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R)	102.26	15.31
28 46 13 31-2019	EA	Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706)	123.36	15.31
28 46 13 31-2020	EA	Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707)	123.36	15.31
28 46 13 31-2021	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708)	86.87	15.31
28 46 13 31-2022	EA	Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R)	86.87	15.31
28 46 13 31-2023	EA	White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711)	77.95	15.31
28 46 13 31-2024	EA	Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713)	86.87	15.31
28 46 13 31-2025	EA	White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714)	86.87	15.31
28 46 13 31-2026	EA	Yellow, High Threat, Push Button Station (STI SS-2201)	129.86	7.65
28 46 13 31-2027	EA	Gasket Kit For STI Covers (STI SUB-121)	51.58	
28 46 13 31-2028	EA	Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT)	229.29	15.31
28 46 13 31-2029	EA	No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV)	121.33	15.31
28 46 13 31-2030	EA	No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM)	121.33	15.31
28 46 13 31-2031	EA	Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM)	229.29	15.31
28 46 13 31-2032	EA	Flush Mounted, Weather Stopper II (STI-1250)	131.22	15.31
28 46 13 31-2033	EA	Flush Mounted, Clear, Universal Stopper (STI-13000NC)	84.59	15.31
28 46 13 31-2034	EA	Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR)	150.73	15.31
28 46 13 31-2035	EA	Surface Mounted, Clear, Universal Stopper (STI-13200NC)	103.59	15.31
28 46 13 31-2036	EA	Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR)	113.73	15.31
28 46 13 31-2037	EA	Surface Mounted, No Label, White, Universal Stopper (STI-13210NW)	124.37	15.31
28 46 13 31-2038	EA	Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY)	124.37	15.31
28 46 13 31-2039	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR)	169.48	15.31
28 46 13 31-2040	EA	Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY)	179.62	15.31
28 46 13 31-2041	EA	Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR)	215.10	15.31
28 46 13 31-2042	EA	Stopper II, Weather Gasket (STI-3002)	41.71	15.31
28 46 13 31-2043	EA	Large, Break Glass Stopper (STI-4100)	123.36	15.31
28 46 13 31-2044	EA	Stopper "G" Standard Break Glass Cover (STI-6100)	118.80	15.31
28 46 13 31-2045	EA	Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A)	114.49	15.31
28 46 13 31-2046	EA	Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530)	318.49	15.31
28 46 13 31-2047	EA	Heated, Metal, Protective Cabinet (STI-7560AH)	4,551.58	15.31
28 46 13 31-2048	EA	Stainless Steel Guard (STI-9604SS)	80.28	15.31
28 46 13 31-2049	EA	5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621)	71.41	15.31
28 46 13 31-2050		**System Sensor Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2051		**Smoke Detectors** *(28 46 13 31-2050)*		
28 46 13 31-2052	EA	Beam Detector Heater Kit (System Sensor BEAMHK)	61.12	5.10
28 46 13 31-2053	EA	Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) Note: Four used with long range kit.	265.36	5.10
28 46 13 31-2054	EA	Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK)	301.13	51.02
28 46 13 31-2055	EA	Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK)	213.60	51.02
28 46 13 31-2056	EA	Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK)	168.98	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2057	EA	Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B)	192.49	38.27
28 46 13 31-2058	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B)	159.77	38.27
28 46 13 31-2059	EA	Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B)	204.98	38.27
28 46 13 31-2060	EA	Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B)	196.50	38.27
28 46 13 31-2061	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B)	171.21	38.27
28 46 13 31-2062	EA	Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B)	211.22	38.27
28 46 13 31-2063	EA	Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B)	256.48	38.27
28 46 13 31-2064	EA	Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151)	147.66	25.51
28 46 13 31-2065	EA	Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) Note: Requires B100 series base.	170.99	25.51
28 46 13 31-2066	EA	Heavy-Duty Multi-Mount Kit (System Sensor 6500-MMK)	302.39	12.75
28 46 13 31-2067	EA	Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy-Duty Multi-Mount Kit (System Sensor 6500-SMK)	99.02	12.75
28 46 13 31-2068	EA	Four Wire, Low Profile, Plug In Detector (System Sensor 2D51)	184.35	38.27
28 46 13 31-2069		**Duct Smoke Detectors** *(28 46 13 31-2050)*		
28 46 13 31-2070	EA	Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2)	376.30	38.27
28 46 13 31-2071	EA	Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120)	372.86	38.27
28 46 13 31-2072	EA	Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W)	492.91	43.37
28 46 13 31-2073	EA	Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S)	245.53	25.51
28 46 13 31-2074	EA	Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL)	66.22	7.65
28 46 13 31-2075	EA	Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR)	211.30	20.41
28 46 13 31-2076	EA	Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW)	347.35	25.51
28 46 13 31-2077	EA	1' Steel Sampling Tube (System Sensor DST1)	35.17	10.21
28 46 13 31-2078	EA	1.5' Steel Sampling Tube (System Sensor DST1.5)	39.06	10.21
28 46 13 31-2079	EA	3' Steel Sampling Tube (System Sensor DST3)	44.95	10.21
28 46 13 31-2080	EA	5' Steel Sampling Tube (System Sensor DST5)	62.08	12.75
28 46 13 31-2081	EA	10' Steel Sampling Tube (System Sensor DST10)	87.70	15.31
28 46 13 31-2082	EA	1' Steel, Exhaust Tube Duct (System Sensor ETX)	40.66	10.21
28 46 13 31-2083	EA	Remote Test Station For Duct Smoke Detector (System Sensor RTS151)	98.74	12.75
28 46 13 31-2084	EA	Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2)	229.40	
28 46 13 31-2085	EA	Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B)	246.56	
28 46 13 31-2086		**Heat Detectors** *(28 46 13 31-2050)*		
28 46 13 31-2087	EA	Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P)	113.99	38.27
28 46 13 31-2088	EA	Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602)	103.65	38.27
28 46 13 31-2089	EA	Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621)	124.01	38.27
28 46 13 31-2090	EA	Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622)	124.01	38.27
28 46 13 31-2091	EA	Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623)	136.30	38.27
28 46 13 31-2092	EA	Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624)	136.30	38.27
28 46 13 31-2093		**Horns** *(28 46 13 31-2050)*		
28 46 13 31-2094	EA	Red, Mini Horn (System Sensor MHR)	112.86	38.27
28 46 13 31-2095	EA	White, Mini Horn (System Sensor MHW)	112.86	38.27
28 46 13 31-2096	EA	White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL)	114.63	38.27
28 46 13 31-2097	EA	Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R)	146.58	43.37
28 46 13 31-2098	EA	Red, Indoor, Wall Mounted, Horn (System Sensor HRL)	114.63	38.27
28 46 13 31-2099	EA	Red, Outdoor, Wall Mounted, Horn (System Sensor HRK)	192.49	38.27
28 46 13 31-2100	EA	White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL)	115.20	38.27
28 46 13 31-2101	EA	Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL)	115.20	38.27
28 46 13 31-2102		**Wall Mounted Horns/Strobes** *(28 46 13 31-2050)*		
28 46 13 31-2103	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL)	162.34	38.27
28 46 13 31-2104	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH)	213.16	38.27
28 46 13 31-2105	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK)	246.92	43.37
28 46 13 31-2106	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P)	240.63	43.37
28 46 13 31-2107	EA	Outdoor Back Box, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120)	252.93	43.37
28 46 13 31-2108	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK)	246.06	43.37
28 46 13 31-2109	EA	Plain, Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P)	232.62	43.37
28 46 13 31-2110	EA	Outdoor, Red, , Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R)	202.10	38.27
28 46 13 31-2111	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P)	158.34	38.27
28 46 13 31-2112	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL)	162.34	38.27
28 46 13 31-2113	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH)	214.83	38.27
28 46 13 31-2114	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK)	238.34	43.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2115	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P)	240.63	43.37
28 46 13 31-2116	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P)	213.16	38.27
28 46 13 31-2117	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK)	254.64	43.37
28 46 13 31-2118	EA	Plain, Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P)	232.62	43.37
28 46 13 31-2119	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P)	157.48	38.27
28 46 13 31-2120	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL)	198.38	38.27
28 46 13 31-2121	EA	Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH)	256.71	38.27
28 46 13 31-2122	EA	Outdoor Back Box, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK)	297.25	43.37
28 46 13 31-2123	EA	Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R)	226.90	43.37
28 46 13 31-2124	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL)	198.38	38.27
28 46 13 31-2125	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK)	273.36	43.37
28 46 13 31-2126	EA	Outdoor Back Box, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK)	241.20	43.37
28 46 13 31-2127	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF)	248.15	38.27
28 46 13 31-2128	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF)	248.15	38.27
28 46 13 31-2129	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL)	161.77	38.27
28 46 13 31-2130	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL)	161.77	38.27

28 46 13 31-2131 Ceiling Mounted Horns/Strobes *(28 46 13 31-2050)*

28 46 13 31-2132	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL)	165.20	38.27
28 46 13 31-2133	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH)	216.49	38.27
28 46 13 31-2134	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK)	238.34	43.37
28 46 13 31-2135	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK)	230.90	43.37
28 46 13 31-2136	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P)	204.83	38.27
28 46 13 31-2137	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL)	165.20	38.27
28 46 13 31-2138	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH)	216.49	38.27
28 46 13 31-2139	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK)	238.34	43.37
28 46 13 31-2140	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P)	216.49	38.27
28 46 13 31-2141	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK)	230.90	43.37
28 46 13 31-2142	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P)	203.16	38.27
28 46 13 31-2143	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL)	199.81	38.27
28 46 13 31-2144	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH)	256.71	38.27
28 46 13 31-2145	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL)	199.81	38.27

28 46 13 31-2146 Wall Mounted Strobes *(28 46 13 31-2050)*

28 46 13 31-2147	EA	White Strobe Expander Plate Back Box Skirt (System Sensor SEP-BBSW)	76.88	12.75
28 46 13 31-2148	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW)	153.94	12.75
28 46 13 31-2149	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL)	144.89	38.27
28 46 13 31-2150	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH)	210.33	38.27
28 46 13 31-2151	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK)	259.79	43.37
28 46 13 31-2152	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK)	256.22	43.37
28 46 13 31-2153	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P)	212.02	43.37
28 46 13 31-2154	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R)	183.99	43.37
28 46 13 31-2155	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P)	143.46	38.27
28 46 13 31-2156	EA	White, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL)	144.32	38.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2157	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT)	157.76	38.27
28 46 13 31-2158	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT)	191.50	38.27
28 46 13 31-2159	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH)	201.50	38.27
28 46 13 31-2160	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT)	199.83	38.27
28 46 13 31-2161	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P)	199.83	38.27
28 46 13 31-2162	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P)	215.46	43.37
28 46 13 31-2163	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK)	212.88	43.37
28 46 13 31-2164	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P)	214.88	43.37
28 46 13 31-2165	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R)	215.04	43.37
28 46 13 31-2166	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK)	210.59	43.37
28 46 13 31-2167	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P)	211.74	43.37
28 46 13 31-2168	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15 /75, 30, 75 , 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P)	143.18	38.27
28 46 13 31-2169	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A)	25.94	5.10
28 46 13 31-2170	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B)	25.94	5.10
28 46 13 31-2171	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G)	25.94	5.10
28 46 13 31-2172	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R)	25.94	5.10
28 46 13 31-2173	EA	Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL)	147.18	38.27
28 46 13 31-2174	EA	White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL)	144.03	38.27
28 46 13 31-2175	EA	L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2)	25.94	5.10
28 46 13 31-2176	EA	L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2)	25.94	5.10
28 46 13 31-2177	EA	L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2)	25.94	5.10
28 46 13 31-2178	EA	L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2)	25.94	5.10
28 46 13 31-2179	EA	Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR)	223.04	38.27
28 46 13 31-2180	EA	White, 8 Multi-tone, 12 VDC,1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW)	223.04	38.27
28 46 13 31-2181	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT)	216.60	43.37

28 46 13 31-2182 Ceiling Mounted Strobes *(28 46 13 31-2050)*

28 46 13 31-2183	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL)	148.04	38.27
28 46 13 31-2184	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH)	213.90	38.27
28 46 13 31-2185	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK)	259.79	43.37
28 46 13 31-2186	EA	Outdoor Back Box, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK)	259.79	43.37
28 46 13 31-2187	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL)	148.04	38.27
28 46 13 31-2188	EA	Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT)	159.48	38.27
28 46 13 31-2189	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH)	204.83	38.27
28 46 13 31-2190	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK)	212.88	43.37
28 46 13 31-2191	EA	Outdoor Back Box, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK)	210.59	43.37
28 46 13 31-2192	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P)	179.84	38.27
28 46 13 31-2193	EA	Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC)	25.94	5.10
28 46 13 31-2194	EA	Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC)	25.94	5.10
28 46 13 31-2195	EA	Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC)	25.94	5.10
28 46 13 31-2196	EA	Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC)	25.94	5.10

28 46 13 31-2197 Wall Mounted Speakers *(28 46 13 31-2050)*

28 46 13 31-2198	EA	24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V)	409.48	38.27
28 46 13 31-2199	EA	Red, Wall Mounted Speaker (System Sensor SPRL)	121.72	38.27
28 46 13 31-2200	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK)	205.25	38.27
28 46 13 31-2201	EA	Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R)	165.69	43.37
28 46 13 31-2202	EA	Red, High dB, Wall Mounted Speaker (System Sensor SPRV)	165.73	38.27
28 46 13 31-2203	EA	White, Wall Mounted Speaker (System Sensor SPWL)	121.72	38.27
28 46 13 31-2204	EA	White, Outdoor, Wall Mounted Speaker (System Sensor SPWK)	214.31	43.37
28 46 13 31-2205	EA	White, High dB, Wall Mounted Speaker (System Sensor SPWV)	139.34	38.27

28 46 13 31-2206 Ceiling Mounted Speakers *(28 46 13 31-2050)*

28 46 13 31-2207	EA	Red, Ceiling Mounted Speaker (System Sensor SPCRL)	118.58	38.27
28 46 13 31-2208	EA	Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK)	237.98	38.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2209	EA	Red, High dB, Ceiling Mounted Speaker (System Sensor SPCRV)	165.73	38.27
28 46 13 31-2210	EA	White, Ceiling Mounted Speaker (System Sensor SPCWL)	121.15	38.27
28 46 13 31-2211	EA	White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV)	159.84	38.27
28 46 13 31-2212	EA	White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK)	215.46	43.37
28 46 13 31-2213		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2050)*		
28 46 13 31-2214	EA	White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL)	151.94	12.75
28 46 13 31-2215	EA	White Speaker Strobe Expander Plate Back Box Skirt (System Sensor SPSEP-BBSWL)	73.45	12.75
28 46 13 31-2216	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL)	208.11	38.27
28 46 13 31-2217	EA	Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH)	278.12	38.27
28 46 13 31-2218	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK)	379.32	43.37
28 46 13 31-2219	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P)	303.56	43.37
28 46 13 31-2220	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R)	256.07	43.37
28 46 13 31-2221	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P)	205.53	38.27
28 46 13 31-2222	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV)	267.42	38.27
28 46 13 31-2223	EA	White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT)	209.25	38.27
28 46 13 31-2224	EA	White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT)	307.56	43.37
28 46 13 31-2225	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL)	208.11	38.27
28 46 13 31-2226	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH)	264.82	38.27
28 46 13 31-2227	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH-P)	264.82	38.27
28 46 13 31-2228	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK)	319.00	43.37
28 46 13 31-2229	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P)	302.41	43.37
28 46 13 31-2230	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P)	204.39	38.27
28 46 13 31-2231	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV)	254.82	38.27
28 46 13 31-2232	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P)	254.82	38.27
28 46 13 31-2233		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2050)*		
28 46 13 31-2234	EA	Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL)	192.66	38.27
28 46 13 31-2235	EA	Red, Selectable Candela (135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH)	281.69	38.27
28 46 13 31-2236	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV)	267.42	38.27
28 46 13 31-2237	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL)	192.66	38.27
28 46 13 31-2238	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT)	206.96	38.27
28 46 13 31-2239	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH)	264.82	38.27
28 46 13 31-2240	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK)	320.72	43.37
28 46 13 31-2241	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P)	264.82	38.27
28 46 13 31-2242	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT)	308.13	43.37
28 46 13 31-2243	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK)	319.00	43.37
28 46 13 31-2244	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P)	192.66	38.27
28 46 13 31-2245	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV)	254.82	38.27
28 46 13 31-2246	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH)	264.82	38.27
28 46 13 31-2247	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P)	254.82	38.27
28 46 13 31-2248	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH)	264.58	38.27
28 46 13 31-2249		**Electric Alarm Bells** *(28 46 13 31-2050)*		
28 46 13 31-2250	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6)	155.19	38.27
28 46 13 31-2251	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8)	169.21	38.27
28 46 13 31-2252	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10)	184.65	38.27
28 46 13 31-2253	EA	6" 120 Volt AC Alarm Bell (System Sensor SSV120-6)	171.51	38.78
28 46 13 31-2254	EA	8" 120 Volt AC Alarm Bell (System Sensor SSV120-8)	173.71	38.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2255	EA	10" 120 Volt AC Alarm Bell (System Sensor SSV120-10)	187.59	38.78
28 46 13 31-2256		**Device Bases** *(28 46 13 31-2050)*		
28 46 13 31-2257	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S)	128.77	12.75
28 46 13 31-2258	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR)	124.48	12.75
28 46 13 31-2259	EA	Intelligent Isolator Base (System Sensor B224BI)	101.31	12.75
28 46 13 31-2260	EA	Intelligent Relay Base (System Sensor B224RB)	102.45	12.75
28 46 13 31-2261	EA	Flangeless, Intelligent Detector Base (System Sensor B501)	61.21	12.75
28 46 13 31-2262	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV)	128.77	12.75
28 46 13 31-2263	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV)	124.48	12.75
28 46 13 31-2264	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF)	189.12	12.75
28 46 13 31-2265	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV)	189.12	12.75
28 46 13 31-2266	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH)	182.83	12.75
28 46 13 31-2267	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH)	141.81	12.75
28 46 13 31-2268	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH)	121.90	12.75
28 46 13 31-2269	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV)	101.31	12.75
28 46 13 31-2270	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH)	94.45	12.75
28 46 13 31-2271	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV)	102.45	12.75
28 46 13 31-2272	EA	Intelligent Relay Base, White (System Sensor B224RB-WH)	95.88	12.75
28 46 13 31-2273	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL)	61.21	12.75
28 46 13 31-2274	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV)	61.21	12.75
28 46 13 31-2275	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE)	53.77	12.75
28 46 13 31-2276	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF)	192.56	12.75
28 46 13 31-2277	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV)	192.56	12.75
28 46 13 31-2278	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH)	185.12	12.75
28 46 13 31-2279	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6)	46.96	12.75
28 46 13 31-2280	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV)	54.11	12.75
28 46 13 31-2281	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP)	53.00	12.75
28 46 13 31-2282	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP)	111.42	15.31
28 46 13 31-2283		**Boxes, Plates And Decals** *(28 46 13 31-2050)*		
28 46 13 31-2284	EA	120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K)	54.34	12.75
28 46 13 31-2285	EA	Red, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBB)	85.35	12.75
28 46 13 31-2286	EA	White, Ceiling Mounted, Metal, Weatherproof Back Box (System Sensor MWBBCW)	93.59	12.75
28 46 13 31-2287	EA	White, Wall Mounted, Metal, Weatherproof Back Box (System Sensor MWBBW)	85.35	12.75
28 46 13 31-2288	EA	Red Retrofit Plate (System Sensor RFP)	38.42	7.65
28 46 13 31-2289	EA	White Retrofit Plate (System Sensor RFPW)	38.08	7.65
28 46 13 31-2290	EA	Red, Wall Mounted, Weatherproof Back Box (System Sensor SA-WBB)	71.05	12.75
28 46 13 31-2291	EA	Red, Ceiling Mounted, Weatherproof Back Box (System Sensor SA-WBBC)	80.89	12.75
28 46 13 31-2292	EA	Red, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCRL)	55.03	12.75
28 46 13 31-2293	EA	White, Ceiling Mounted, Surface Mounted, Back Box (System Sensor SBBCWL)	55.03	12.75
28 46 13 31-2294	EA	Red, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBRL)	46.68	12.75
28 46 13 31-2295	EA	Red, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPRL)	52.97	12.75
28 46 13 31-2296	EA	White, Wall Mounted, Surface Mounted, Back Box For Speaker (System Sensor SBBSPWL)	52.97	12.75
28 46 13 31-2297	EA	White, Wall Mounted, Surface Mounted, Back Box (System Sensor SBBWL)	46.68	12.75
28 46 13 31-2298	EA	Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500)	52.17	12.75
28 46 13 31-2299	EA	Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600)	46.96	12.75
28 46 13 31-2300	EA	Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS)	16.75	5.10
28 46 13 31-2301	EA	Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R)	26.17	
28 46 13 31-2302	EA	Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC)	36.78	
28 46 13 31-2303	EA	White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W)	26.17	
28 46 13 31-2304	EA	White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC)	36.78	
28 46 13 31-2305	EA	Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2)	18.84	5.10
28 46 13 31-2306	EA	White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W)	18.84	5.10
28 46 13 31-2307	EA	Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2)	18.84	5.10
28 46 13 31-2308	EA	White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W)	18.84	5.10
28 46 13 31-2309	EA	Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL)	46.68	12.75
28 46 13 31-2310	EA	White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL)	46.68	12.75
28 46 13 31-2311	EA	Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG)	23.37	5.10
28 46 13 31-2312	EA	Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL)	23.37	5.10
28 46 13 31-2313	EA	Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV)	23.37	5.10
28 46 13 31-2314	EA	Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F)	23.37	5.10
28 46 13 31-2315	EA	White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG)	23.37	5.10
28 46 13 31-2316	EA	White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL)	23.37	5.10
28 46 13 31-2317	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV)	23.37	5.10
28 46 13 31-2318	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F)	23.37	5.10
28 46 13 31-2319	EA	Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P)	23.37	5.10
28 46 13 31-2320	EA	White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P)	23.37	5.10
28 46 13 31-2321	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	23.37	5.10
28 46 13 31-2322	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL)	23.37	5.10
28 46 13 31-2323	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG)	25.77	5.10
28 46 13 31-2324	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL)	25.77	5.10

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2325	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV)	25.77	5.10
28 46 13 31-2326	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F)	25.77	5.10
28 46 13 31-2327	EA	Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P)	25.77	5.10
28 46 13 31-2328	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV)	23.37	5.10
28 46 13 31-2329	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F)	23.37	5.10
28 46 13 31-2330	EA	Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P)	23.37	5.10
28 46 13 31-2331	EA	Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG)	23.37	5.10
28 46 13 31-2332	EA	White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG)	23.37	5.10
28 46 13 31-2333	EA	White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL)	23.37	5.10
28 46 13 31-2334	EA	White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG)	25.77	5.10
28 46 13 31-2335	EA	White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL)	25.77	5.10
28 46 13 31-2336	EA	White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV)	25.77	5.10
28 46 13 31-2337	EA	White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F)	25.77	5.10
28 46 13 31-2338	EA	White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P)	25.77	5.10
28 46 13 31-2339	EA	White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV)	23.37	5.10
28 46 13 31-2340	EA	White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F)	23.37	5.10
28 46 13 31-2341	EA	Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01)	5.09	
28 46 13 31-2342	EA	Control Module Barrier (System Sensor CB500)	34.99	7.65
28 46 13 31-2343	EA	White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300)	31.90	7.65
28 46 13 31-2344	EA	Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL)	39.28	7.65
28 46 13 31-2345	EA	PTIR Color Kit, White (System Sensor CK-300-IR) Note: Includes cover and trim ring	157.18	7.65
28 46 13 31-2346	EA	PTIR Color Kit, Black (System Sensor CK-300-IR-BL) Note: Includes cover and trim ring	229.84	7.65
28 46 13 31-2347	EA	PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV) Note: Includes cover and trim ring	229.84	7.65
28 46 13 31-2348	EA	Accessory Flange Ring For B210LP Base (System Sensor F210) Note: Includes cover and trim ring	25.44	7.65
28 46 13 31-2349	EA	Black Faceplate (System Sensor FP-BLACK-BP)	24.61	7.65
28 46 13 31-2350	EA	White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP)	25.04	7.65
28 46 13 31-2351	EA	White Faceplate (System Sensor FP-WHITE-BP)	23.63	7.65
28 46 13 31-2352	EA	White, Back Box (System Sensor SMB500-WH)	43.99	12.75
28 46 13 31-2353	EA	Accessory Flange Ring For B210LP Base, White (System Sensor TR300)	17.36	5.10
28 46 13 31-2354	EA	Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV)	25.71	5.10
28 46 13 31-2355	EA	White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP)	26.38	7.65
28 46 13 31-2356	EA	Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL)	23.37	5.10
28 46 13 31-2357	EA	Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG)	25.77	5.10
28 46 13 31-2358	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL)	25.77	5.10
28 46 13 31-2359	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV)	25.77	5.10
28 46 13 31-2360	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F)	25.77	5.10
28 46 13 31-2361	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P)	25.77	5.10
28 46 13 31-2362	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-EV)	23.37	5.10
28 46 13 31-2363	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-F)	23.37	5.10
28 46 13 31-2364	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-P)	23.37	5.10
28 46 13 31-2365	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL)	71.50	12.75
28 46 13 31-2366	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P)	147.08	12.75

28 46 13 31-2367 Chimes *(28 46 13 31-2050)*

28 46 13 31-2368	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL)	143.63	38.27
28 46 13 31-2369	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL)	149.18	38.27

28 46 13 31-2370 Chime/Strobes *(28 46 13 31-2050)*

28 46 13 31-2371	EA	Red, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL)	225.27	38.27
28 46 13 31-2372	EA	White, 15, 15/75, 30, 75 , 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL)	225.27	38.27
28 46 13 31-2373	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCRL)	226.99	38.27
28 46 13 31-2374	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSCWL)	226.99	38.27

28 46 13 31-2375 Carbon Monoxide Detectors *(28 46 13 31-2050)*

28 46 13 31-2376	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224)	327.73	51.02
28 46 13 31-2377	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR)	222.98	38.27
28 46 13 31-2378	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE)	17.12	5.10
28 46 13 31-2379	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951)	343.12	38.27
28 46 13 31-2380	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T)	248.50	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2381	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV)	355.70	38.27
28 46 13 31-2382		**Switches** *(28 46 13 31-2050)*		
28 46 13 31-2383	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1)	210.15	20.41
28 46 13 31-2384	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2)	235.90	20.41
28 46 13 31-2385	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1)	210.15	20.41
28 46 13 31-2386	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2)	235.90	20.41
28 46 13 31-2387	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2)	219.31	20.41
28 46 13 31-2388	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2)	204.43	20.41
28 46 13 31-2389		**Low Frequency Sounders** *(28 46 13 31-2050)*		
28 46 13 31-2390	EA	Red, Low Frequency Sounder (System Sensor HR-LF)	206.50	38.27
28 46 13 31-2391	EA	White, Low Frequency Sounder (System Sensor HW-LF)	206.50	38.27
28 46 13 31-2392	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF)	180.93	38.27
28 46 13 31-2393	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF)	180.93	38.27
28 46 13 31-2394	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF)	179.50	38.27
28 46 13 31-2395	EA	White, Wall Mounted, Low-frequency Compact Sounder (HGWL-LF)	179.50	38.27
28 46 13 31-2396		**Sync Modules** *(28 46 13 31-2050)*		
28 46 13 31-2397	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R)	162.57	25.51
28 46 13 31-2398	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W)	159.71	25.51
28 46 13 31-2399		**Relays** *(28 46 13 31-2050)*		
28 46 13 31-2400	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E)	89.10	20.41
28 46 13 31-2401	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T)	57.66	12.75
28 46 13 31-2402	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E)	179.97	12.75
28 46 13 31-2403	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T)	130.77	12.75
28 46 13 31-2404	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E)	96.77	20.41
28 46 13 31-2405	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T)	59.72	12.75
28 46 13 31-2406	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E)	203.43	12.75
28 46 13 31-2407	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T)	150.51	12.75
28 46 13 31-2408	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1)	49.31	12.75
28 46 13 31-2409	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2)	49.31	12.75
28 46 13 31-2410	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3)	49.31	12.75
28 46 13 31-2411		**Remote Annunciator** *(28 46 13 31-2050)*		
28 46 13 31-2412	EA	Remote Annunciator (System Sensor RA100Z)	112.57	38.27
28 46 13 31-2413	EA	Remote LED Annunciator (System Sensor RA100ZA)	108.83	38.27
28 46 13 31-2414	EA	Remote Annunciator With Piezo Alarm (System Sensor APA151)	140.43	38.27
28 46 13 31-2415		**Remote Test Station** *(28 46 13 31-2050)*		
28 46 13 31-2416	EA	Remote Test Station With Key (System Sensor RTS151KEY)	186.94	38.27
28 46 13 31-2417		**Fire Alarm Digital Cellular Communicator** *(28 46 13 31)*		
28 46 13 31-2418	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	755.71	51.02
28 46 13 31-2419		**Wheelock Fire Alarm** *(28 46 13 31)*		
28 46 13 31-2420		**Ceiling Mounted Chimes/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2421	EA	White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW)	251.11	38.27
28 46 13 31-2422		**Wall Mounted Chimes/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2423	EA	Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR)	251.11	38.27
28 46 13 31-2424	EA	White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW)	251.11	38.27
28 46 13 31-2425		**Ceiling Mounted Horns/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2426	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC)	156.80	38.27
28 46 13 31-2427	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC)	181.22	38.27
28 46 13 31-2428		**Wall Mounted Horns/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2429	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR)	160.53	38.27
28 46 13 31-2430	EA	Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR)	266.48	38.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2431	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	221.27	38.27
28 46 13 31-2432	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	221.27	38.27
28 46 13 31-2433	EA	Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR)	251.49	38.27
28 46 13 31-2434	EA	Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR)	181.81	38.27
28 46 13 31-2435	EA	Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR)	179.61	38.27
28 46 13 31-2436	EA	Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR)	197.72	43.37
28 46 13 31-2437	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR)	159.66	38.27
28 46 13 31-2438	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW)	159.66	38.27
28 46 13 31-2439	EA	White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW)	178.74	38.27
28 46 13 31-2440	EA	Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR)	221.27	38.27
28 46 13 31-2441	EA	White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW)	221.27	38.27
28 46 13 31-2442		**Ceiling Mounted Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2443	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR)	148.91	38.27
28 46 13 31-2444	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW)	148.91	38.27
28 46 13 31-2445	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC)	162.34	38.27
28 46 13 31-2446	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC)	142.33	38.27
28 46 13 31-2447	EA	White, 24 Volt DC, Amber Lens, Multi- Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW)	160.31	38.27
28 46 13 31-2448	EA	White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW)	161.85	38.27
28 46 13 31-2449	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCCH-FW)	162.51	38.27
28 46 13 31-2450	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR)	171.21	38.27
28 46 13 31-2451		**Wall Mounted Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2452	EA	Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR)	234.88	38.27
28 46 13 31-2453	EA	Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR)	185.32	38.27
28 46 13 31-2454	EA	Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR)	208.16	38.27
28 46 13 31-2455	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR)	147.15	38.27
28 46 13 31-2456	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW)	147.15	38.27
28 46 13 31-2457	EA	Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR)	158.56	38.27
28 46 13 31-2458	EA	Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR) Note: Requires WPSBB-R.	163.94	43.37
28 46 13 31-2459	EA	Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR)	143.42	38.27
28 46 13 31-2460	EA	White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW)	143.42	38.27
28 46 13 31-2461	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW)	173.91	38.27
28 46 13 31-2462	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW)	149.13	38.27
28 46 13 31-2463	EA	Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW) Note: Requires WPSBB-R.	185.14	43.37
28 46 13 31-2464	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW)	184.94	38.27
28 46 13 31-2465		**Ceiling Mounted Speakers/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2466	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR)	185.32	38.27
28 46 13 31-2467	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW)	185.32	38.27
28 46 13 31-2468	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW)	185.32	38.27
28 46 13 31-2469	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW)	187.51	38.27
28 46 13 31-2470	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCCH-FW)	199.79	38.27
28 46 13 31-2471	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW)	216.90	38.27
28 46 13 31-2472	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR)	216.90	38.27
28 46 13 31-2473	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR)	189.26	38.27
28 46 13 31-2474	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW)	209.82	38.27
28 46 13 31-2475	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW)	223.55	38.27
28 46 13 31-2476	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW)	237.28	38.27
28 46 13 31-2477		**Wall Mounted Speakers/Strobes** *(28 46 13 31-2419)*		
28 46 13 31-2478	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR)	294.81	38.27
28 46 13 31-2479	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW)	294.81	38.27

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2480	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FR)	199.79	38.27
28 46 13 31-2481	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCCH-FW)	199.79	38.27
28 46 13 31-2482	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR)	185.32	38.27
28 46 13 31-2483	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW)	181.81	38.27
28 46 13 31-2484	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR)	199.79	38.27
28 46 13 31-2485	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW)	199.79	38.27
28 46 13 31-2486	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR)	291.47	38.27
28 46 13 31-2487	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR)	187.51	38.27
28 46 13 31-2488	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW)	185.76	38.27
28 46 13 31-2489	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	283.98	38.27
28 46 13 31-2490	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	291.47	38.27
28 46 13 31-2491	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR)	216.90	38.27
28 46 13 31-2492	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW)	216.90	38.27
28 46 13 31-2493	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe/(Wheelock ET70WP-2475 W-FR) Note: Requires weatherproof backbox (IOB).	315.85	43.37
28 46 13 31-2494	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR)	169.09	38.27
28 46 13 31-2495	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW)	162.51	38.27
28 46 13 31-2496	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW)	223.55	38.27
28 46 13 31-2497	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR)	237.28	38.27
28 46 13 31-2498	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW)	242.43	38.27
28 46 13 31-2499	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW)	251.01	38.27
28 46 13 31-2500	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR)	257.31	38.27
28 46 13 31-2501	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR) Note: Requires IOB	253.30	38.27
28 46 13 31-2502	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW) Note: Requires IOB	251.01	38.27

28 46 13 31-2503 Electric Alarm Bells *(28 46 13 31-2419)*

28 46 13 31-2504	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R)	180.05	38.27
28 46 13 31-2505	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R)	173.03	38.27
28 46 13 31-2506	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R)	219.97	38.27
28 46 13 31-2507	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R)	1,837.85	43.37
28 46 13 31-2508	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R)	2,981.86	43.37
28 46 13 31-2509	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R)	3,377.56	43.37
28 46 13 31-2510	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R)	140.35	38.27
28 46 13 31-2511	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R)	195.52	38.27
28 46 13 31-2512	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R)	142.99	38.27
28 46 13 31-2513	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R)	193.52	38.27

28 46 13 31-2514 Horns *(28 46 13 31-2419)*

28 46 13 31-2515	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R)	143.18	38.27
28 46 13 31-2516	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR)	115.66	38.27
28 46 13 31-2517	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW)	115.66	38.27
28 46 13 31-2518	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNRC)	116.62	38.27
28 46 13 31-2519	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNWC)	116.62	38.27
28 46 13 31-2520	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R)	100.39	38.27
28 46 13 31-2521	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W)	100.39	38.27
28 46 13 31-2522	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R)	116.62	38.27
28 46 13 31-2523	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R)	141.75	38.27

28 46 13 31-2524 Speakers *(28 46 13 31-2419)*

28 46 13 31-2525	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R)	119.43	38.27
28 46 13 31-2526	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W)	119.43	38.27
28 46 13 31-2527	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R)	119.43	38.27
28 46 13 31-2528	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W)	117.50	38.27
28 46 13 31-2529	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R)	119.43	38.27
28 46 13 31-2530	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W)	119.43	38.27
28 46 13 31-2531	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R)	119.43	38.27
28 46 13 31-2532	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W)	119.43	38.27
28 46 13 31-2533	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R)	140.57	38.27
28 46 13 31-2534	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W)	140.57	38.27
28 46 13 31-2535	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W)	142.33	38.27
28 46 13 31-2536	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R)	194.95	38.27
28 46 13 31-2537	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R)	174.93	38.27
28 46 13 31-2538	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S)	278.31	38.27
28 46 13 31-2539	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR)	278.31	38.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2540	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R)	194.95	38.27
28 46 13 31-2541	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W)	197.24	38.27
28 46 13 31-2542	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R)	174.93	38.27
28 46 13 31-2543	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW)	265.89	38.27
28 46 13 31-2544	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25)	188.66	38.27
28 46 13 31-2545		**Sync Modules** *(28 46 13 31-2419)*		
28 46 13 31-2546	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R)	180.99	25.51
28 46 13 31-2547		**Boxes, Plates And Rings** *(28 46 13 31-2419)*		
28 46 13 31-2548	EA	4" Square, Red, Surface Back Box (Wheelock BB-R)	35.12	12.75
28 46 13 31-2549	EA	Standard 4" Square Box (Wheelock BB-STD)	34.43	12.75
28 46 13 31-2550	EA	Black, Back Box For UZC-256 (Wheelock BB-UZC)	235.80	25.51
28 46 13 31-2551	EA	Red, Back Box For UZC-256 (Wheelock BB-UZC-R)	235.80	25.51
28 46 13 31-2552	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP)	181.55	20.41
28 46 13 31-2553	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R)	18.81	5.10
28 46 13 31-2554	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W)	18.81	5.10
28 46 13 31-2555	EA	Red, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-R)	45.51	12.75
28 46 13 31-2556	EA	White, Surface Mounted Back Box For E50 Speakers (Wheelock E50SB-W)	42.71	12.75
28 46 13 31-2557	EA	Red, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-R)	45.51	12.75
28 46 13 31-2558	EA	White, Surface Mounted Back Box For E50 Speaker Strobe (Wheelock E50SSB-W)	45.51	12.75
28 46 13 31-2559	EA	4" Square Back Box (Wheelock DBB-R)	36.91	12.75
28 46 13 31-2560	EA	Red, Surface Back Box (Wheelock IOB-R)	43.67	12.75
28 46 13 31-2561	EA	White, Surface, Back Box (Wheelock IOB-W)	43.67	12.75
28 46 13 31-2562	EA	White, Indoor, Surface Extender (Wheelock ISP2-W)	17.89	5.10
28 46 13 31-2563	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R)	24.37	5.10
28 46 13 31-2564	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W)	24.37	5.10
28 46 13 31-2565	EA	Red Retrofit Plate (Wheelock RP-R)	21.61	5.10
28 46 13 31-2566	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4)	39.16	5.10
28 46 13 31-2567	EA	Red, Surface Mounted, Back Box For Chimes, Speakers (Wheelock SBB-R)	45.95	12.75
28 46 13 31-2568	EA	White, Surface Mounted, Back Box For Chimes, Speaker (Wheelock SBB-W)	46.57	12.75
28 46 13 31-2569	EA	Red, Surface Mounted, Back Box For With RSSP (Wheelock SBL2-R)	49.81	12.75
28 46 13 31-2570	EA	Red, Semi-Flush Plate (Wheelock SFB-R)	25.62	5.10
28 46 13 31-2571	EA	White, Semi-Flush Plate (Wheelock SFB-W)	25.62	5.10
28 46 13 31-2572	EA	Red, Shallow Surface Mounted, Back Box (Wheelock SHBB-R)	39.85	12.75
28 46 13 31-2573	EA	White, Shallow Surface Mounted, Back Box (Wheelock SHBB-W)	39.85	12.75
28 46 13 31-2574	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R)	27.41	5.10
28 46 13 31-2575	EA	Red, Weather Resistant Back Box (Wheelock WBB-R)	45.16	12.75
28 46 13 31-2576	EA	Silver, Weather Resistant Back Box (Wheelock WBB-S)	45.16	12.75
28 46 13 31-2577	EA	White, Weather Resistant Back Box (Wheelock WBB-W)	45.16	12.75
28 46 13 31-2578	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R)	34.07	5.10
28 46 13 31-2579	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W)	34.07	5.10
28 46 13 31-2580	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R)	34.07	5.10
28 46 13 31-2581	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W)	34.07	5.10
28 46 13 31-2582	EA	Gasket Kit For Rear Wiring To Outdoor Back Box (Wheelock WP-KIT)	22.74	5.10
28 46 13 31-2583	EA	Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	56.63	12.75
28 46 13 31-2584	EA	Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	51.60	12.75
28 46 13 31-2585	EA	Red Plate For RSS (Wheelock RSSCP-R)	17.89	5.10
28 46 13 31-2586	EA	White Plate For RSS (Wheelock RSSCP-W)	17.89	5.10
28 46 13 31-2587	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR)	18.81	5.10
28 46 13 31-2588	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW)	18.81	5.10
28 46 13 31-2589	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R)	18.28	5.10
28 46 13 31-2590	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR)	147.51	5.10
28 46 13 31-2591	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW)	132.06	5.10
28 46 13 31-2592	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW)	129.77	5.10
28 46 13 31-2593	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCW-ALW)	132.06	5.10
28 46 13 31-2594	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R)	20.91	5.10
28 46 13 31-2595	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	20.22	5.10
28 46 13 31-2596	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	21.42	5.10
28 46 13 31-2597	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	21.42	5.10
28 46 13 31-2598	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	20.22	5.10
28 46 13 31-2599	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	21.31	5.10
28 46 13 31-2600	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	21.31	5.10
28 46 13 31-2601	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	20.22	5.10
28 46 13 31-2602	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	20.22	5.10
28 46 13 31-2603	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	28.92	5.10
28 46 13 31-2604	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	29.26	5.10
28 46 13 31-2605	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	22.74	5.10
28 46 13 31-2606	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	21.42	5.10
28 46 13 31-2607	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	22.74	5.10
28 46 13 31-2608	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	56.63	12.75
28 46 13 31-2609	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	51.60	12.75
28 46 13 31-2610	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	51.60	12.75
28 46 13 31-2611		**Manual Pull Station** *(28 46 13 31-2419)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2612	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	128.36	25.51
28 46 13 31-2613	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	128.36	25.51
28 46 13 31-2614	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,218.89	25.51
28 46 13 31-2615		Potter Fire Alarm *(28 46 13 31)*		
28 46 13 31-2616		Electric Alarm Bells *(28 46 13 31-2615)*		
28 46 13 31-2617	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	116.61	38.27
28 46 13 31-2618	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	129.26	38.27
28 46 13 31-2619	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	135.59	38.27
28 46 13 31-2620	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	116.61	38.27
28 46 13 31-2621	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	129.26	38.27
28 46 13 31-2622	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	135.59	38.27
28 46 13 31-2623	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	127.35	38.27
28 46 13 31-2624	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	133.42	38.27
28 46 13 31-2625	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	169.21	38.27
28 46 13 31-2626	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	118.43	38.27
28 46 13 31-2627	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	133.42	38.27
28 46 13 31-2628	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	145.96	38.27
28 46 13 31-2629		Manual Pull Station *(28 46 13 31-2615)*		
28 46 13 31-2630	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	86.90	25.51
28 46 13 31-2631	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	92.64	25.51
28 46 13 31-2632	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	157.33	25.51
28 46 13 31-2633	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	96.22	25.51
28 46 13 31-2634	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	90.15	25.51
28 46 13 31-2635	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	177.56	25.51
28 46 13 31-2636	EA	SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP)	225.81	25.51
28 46 13 31-2637		Fire Alarm Terminal Cabinets *(28 46 13 31)*		
28 46 13 31-2638	EA	18 Point Lockable Fire Alarm Terminal Cabinet	237.33	51.12
28 46 13 31-2639	EA	32 Point Lockable Fire Alarm Terminal Cabinet	318.40	51.12
28 46 13 31-2640	EA	64 Point Lockable Fire Alarm Terminal Cabinet	480.52	51.12
28 46 13 31-2641	EA	128 Point Lockable Fire Alarm Terminal Cabinet	642.60	51.12
28 46 13 31-2642		Test And Certification Of Fire Alarm System To Tie In To Existing Systems *(28 46 13 31)*		
28 46 13 31-2643	DAY	Test And Certification Of Fire Alarm System To Tie Into Existing Systems	810.23	
28 46 13 31-2644	HR	Test And Certification Of Fire Alarm System To Tie In To Existing Systems	253.20	
28 46 13 31-2645		Programming Of Existing Fire Alarm System *(28 46 13 31)*		
28 46 13 31-2646	HR	Fire Alarm Techanician For Programming Of Existing Fire Alarm System	202.56	
28 46 13 31-2647		Removal And Reinstallation Of Smoke Detector *(28 46 13 31)* Note: Includes storage, cleaning and supply materials.		
28 46 13 31-2648	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	142.87	
28 46 13 31-2649	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	114.80	
28 46 13 31-2650		Kidde Fire Safety Equipment *(28 46 13 31)*		
28 46 13 31-2651		Smoke Detectors *(28 46 13 31-2650)*		
28 46 13 31-2652	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	147.31	38.27
28 46 13 31-2653	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	127.35	38.27
28 46 13 31-2654	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	123.29	38.27
28 46 31		**Fire-Alarm Initiating Devices** *(28 46)*		
28 46 31 11		**Heat-Sensing Fire Detectors** *(28 46 31)*		
28 46 31 11-0001		Protectowire Fire Alarm *(28 46 31 11)*		
28 46 31 11-0002		Linear Heat Detector Cable *(28 46 31 11-0001)*		
28 46 31 11-0003	LF	Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC)	5.67	
28 46 31 11-0004	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M	6.17	
28 46 31 11-0005	LF	High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR)	6.17	
28 46 31 11-0006	LF	High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M	6.67	
28 46 31 11-0007	LF	Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT)	6.99	
28 46 31 11-0008	LF	Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M)	7.49	
28 46 31 11-0009	EA	Flexible Lead Connector For Linear Heat Detector (Protectowire PFL)	65.70	
28 46 31 11-0010	EA	Splicing Connector For Linear Heat Detector (Protectowire PWSC)	27.64	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 31 11-0011	EA	Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W)	8.60	
28 46 31 11-0012	EA	Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2)	8.60	
28 46 31 11-0013	EA	Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO)	9.31	
28 46 31 11-0014	EA	Beam Clamp For Linear Heat Detector (Protectowire BC-2)	14.54	
28 46 31 11-0015	EA	Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P)	15.21	
28 46 31 11-0016	EA	Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A)	1.68	
28 46 31 11-0017	EA	Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B)	2.29	
28 46 31 11-0018	EA	Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C)	10.14	

28 46 41 Fire-Alarm Notification Appliances *(28 46)*

28 46 41 11 Audible Fire-Alarm Notification Appliances *(28 46 41)*

See CSI section 28 46 13 31-0000 for fire alarm speakers.

28 46 41 31 Combination Fire-Alarm Notification Appliances *(28 46 41)*

See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.

28 47 Mass Notification *(28 40)*

28 47 15 Mass Notification Control Panels *(28 47)*

28 47 15 00-0001 Central Station Controls *(28 47 15)*

28 47 15 00-0002	EA	Desktop 18 Function Base Station Control/Encoder (Whelen E747)	979.43	
28 47 15 00-0003	EA	Desktop 35 Function Base Station Control/Encoder (Whelen E969)	1,595.67	
28 47 15 00-0004	EA	Desktop Central Station Control Encoder/Decoder (Whelen E2010)	4,767.52	51.02
28 47 15 00-0005	EA	Siren Status Printer And Cable Option For E2010 (Whelen E2010P)	1,450.66	25.51
28 47 15 00-0006	EA	Rack Mounted Central Station Control Encoder/Decoder (Whelen E2010R)	5,536.07	102.05
28 47 15 00-0007	EA	Internal Option To Convert E2010 To FSK Format (Whelen E2010FSK)	800.83	25.51
28 47 15 00-0008	EA	Option To Convert Activation Controls To FSK Format (Whelen FSKCEO)	860.07	25.51

28 47 17 Notification Devices and Methods *(28 47)*

28 47 17 17 Notification Appliances and Methods Public Methods *(28 47 17)*

28 47 17 17-0001 Voice Capable Omni-Directional Speakers *(28 47 17 17)*

28 47 17 17-0002	EA	1 Cell, 109 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2901A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,226.06	675.83
28 47 17 17-0003	EA	2 Cells, 115 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2902A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,254.69	705.22
28 47 17 17-0004	EA	3 Cells, 119 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2903A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	19,245.51	734.60
28 47 17 17-0005	EA	4 Cells, 121 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2904A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	22,236.32	763.99
28 47 17 17-0006	EA	5 Cells, 123 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2905A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	25,302.75	793.36
28 47 17 17-0007	EA	6 Cells, 125 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2906A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	30,448.52	822.75
28 47 17 17-0008	EA	7 Cells, 126 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2907A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	33,477.14	852.13
28 47 17 17-0009	EA	8 Cells, 127 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2908A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	37,123.27	881.51
28 47 17 17-0010	EA	9 Cells, 128 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2909A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	40,114.08	910.90
28 47 17 17-0011	EA	10 Cells, 129 dB, Voice Capable Omni-Directional Speaker (Whelen WPS2910A) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	43,142.70	940.28
28 47 17 17-0012	EA	3 Cells, 127 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4003) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	29,314.33	822.75
28 47 17 17-0013	EA	4 Cells, 129 dB, Voice Capable Rotating Directional Speaker (Whelen WPS4004) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	31,246.57	852.13
28 47 17 17-0014	EA	One-Way Control, 10 Digit DTMF Landline (Whelen D2030LL)	530.42	25.51
28 47 17 17-0015	EA	VHF High-Band Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NV)	2,218.58	25.51
28 47 17 17-0016	EA	UHF Narrow-Band, One-Way Control, 10 Digit DTMF (Whelen D2030NU)	2,218.58	25.51
28 47 17 17-0017	EA	UHF Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WU)	2,004.35	25.51
28 47 17 17-0018	EA	VHF High-Band Wide Band, One-Way Control, 10 Digit DTMF (Whelen D2030WV)	1,941.34	25.51
28 47 17 17-0019	EA	Two-Tone Sequential Option (Whelen WPSTT)	489.23	25.51
28 47 17 17-0020	EA	Full Function Auxiliary/Status Board For Contact Closure Activation (Two Way) (Whelen AUXCS)	629.96	25.51
28 47 17 17-0021	EA	Landline, 10 Digit DTMF (Whelen C2030LL)	655.13	25.51
28 47 17 17-0022	EA	VHF High-Band Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NV)	3,165.54	25.51
28 47 17 17-0023	EA	UHF Narrow-Band, Two-Way Control, 10 Digit DTMF (Whelen C2030NU)	2,432.82	25.51
28 47 17 17-0024	EA	UHF Wide-Band, 10 Digit DTMF (Whelen C2030WU)	2,432.82	25.51
28 47 17 17-0025	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen C2030WV)	2,432.82	25.51
28 47 17 17-0026	EA	Option To Convert WPS Activation Controls To FSK Format (Whelen FSKXMOD)	860.07	25.51
28 47 17 17-0027	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	592.55	25.51
28 47 17 17-0028	EA	Paging Interface Whelen Tones With Existing In-Plant Systems (Whelen PGINT)	399.99	25.51
28 47 17 17-0029	EA	Intrusion Alarm (Whelen INTRUWPS)	300.44	25.51
28 47 17 17-0030	EA	Custom Pre-Recorded Messages (One Time Set-Up Charge Per Message) (Whelen MSGPROG)	218.53	
28 47 17 17-0031	EA	Whelen Library Messages (Whelen MSGPROGL)	43.76	
28 47 17 17-0032	EA	Noise Cancelling Microphone Includes Local Microphone Input Harness (Whelen WPSNCMIC)	156.85	25.51
28 47 17 17-0033	EA	One Pair Of Whelen Approved Batteries (Whelen WPSBATT)	1,125.02	38.27
28 47 17 17-0034	EA	WPS And OA Series, Rooftop Mounted (Whelen RTM)	10,260.46	646.45
28 47 17 17-0035	EA	Two 80 Watt Panels, Solar Power System (Whelen SBC280) Note: Includes mounting bracket and regulator.	4,427.03	153.07

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0036	EA	Amber, 6 LED Lights For The Base Of WPS Series (Whelen VALERTA)	2,269.30	38.27
28 47 17 17-0037	EA	Blue, 6 LED Lights For The Base Of WPS Series (Whelen VALERTB)	2,269.30	38.27
28 47 17 17-0038	EA	Clear, 6 LED Lights For The Base Of WPS Series (Whelen VALERTC)	2,269.30	38.27
28 47 17 17-0039	EA	Green, 6 LED Lights For The Base Of WPS Series (Whelen VALERTG)	2,269.30	38.27
28 47 17 17-0040	EA	Red, 6 LED Lights For The Base Of WPS Series Products (Whelen VALERTR)	2,269.30	38.27
28 47 17 17-0041	EA	Amber, 24 Volt DC, LED, Beacon (Whelen L31HAF4)	795.06	38.27
28 47 17 17-0042	EA	Blue, 24 Volt DC, LED, Beacon (Whelen L31HBF4)	795.06	38.27
28 47 17 17-0043	EA	Red, 24 Volt DC, LED, Beacon (Whelen L31HRF4)	795.06	38.27
28 47 17 17-0044	EA	Amber, 24 Volt DC, Strobe (Whelen ISB24A)	617.71	38.27
28 47 17 17-0045	EA	Blue, 24 Volt DC, Strobe (Whelen ISB24B)	617.71	38.27
28 47 17 17-0046	EA	Clear, 24 Volt DC, Strobe (Whelen ISB24C)	617.71	38.27
28 47 17 17-0047	EA	Green, 24 Volt DC, Strobe (Whelen ISB24G)	617.71	38.27
28 47 17 17-0048	EA	Red, 24 Volt DC, Strobe (Whelen ISB24R)	617.71	38.27
28 47 17 17-0049	EA	Strobe/LED Controller With Mounting Plate, Hardware And Harnessing For ISB24 (Whelen SCWPS)	873.94	25.51
28 47 17 17-0050	EA	Strobe Controller (Whelen STCTRL)	660.85	25.51
28 47 17 17-0051	EA	LED Controller (Whelen LEDCTRL)	660.85	25.51
28 47 17 17-0052	EA	Speaker Driver Handle/Plate Assembly Only (Less Speaker Driver) (Whelen EZ-PULL)	409.78	38.27
28 47 17 17-0053	EA	Siren Diagnostic and Programming Software In CD Format (Whelen SDPTS)	515.31	
28 47 17 17-0054	EA	400 Watt Speaker Driver (Whelen SPKDRV)	921.72	25.51
28 47 17 17-0055	EA	Cabinet Window LED Status Indicator (Whelen STATUS)	456.05	25.51
28 47 17 17-0056	EA	Noise Cancelling Microphone Option For Encoder (Whelen WPSMIC)	156.85	25.51
28 47 17 17-0057	EA	Notifier/Whelen Interface Board (Whelen NAUXCS)	911.42	25.51

28 47 17 17-0058 Tone Only, Omni-Alert Sirens *(28 47 17 17)*

28 47 17 17-0059	EA	One Cell, Tone Only, Omni-Alert Siren (Whelen OA1) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	10,600.72	646.45
28 47 17 17-0060	EA	Two Cell, Tone Only, Omni-Alert Siren (Whelen OA2) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	13,352.08	675.83
28 47 17 17-0061	EA	Three Cell, Tone Only, Omni-Alert Siren (Whelen OA3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	16,078.26	705.22
28 47 17 17-0062	EA	Four Cell, Tone Only, Omni-Alert Siren (Whelen OA4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	18,867.44	734.60
28 47 17 17-0063	EA	One Way Controls, Auxiliary Board For Contact Closure Activation (Whelen OAUXIN)	305.58	25.51
28 47 17 17-0064	EA	One Way Landline Activation, 10 Digit DTMF (Whelen OD2030LL)	530.42	25.51
28 47 17 17-0065	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OD230NV)	2,218.58	25.51
28 47 17 17-0066	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OD230NU)	2,218.58	25.51
28 47 17 17-0067	EA	UHF Wide-Band, 10 Digit DTMF (Whelen OD230WU)	2,004.35	25.51
28 47 17 17-0068	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen OD230WV)	1,941.34	25.51
28 47 17 17-0069	EA	One-Way Control Two-Tone Sequential Option (Whelen OTT)	425.16	25.51
28 47 17 17-0070	EA	Two Way Controls, Contact Closure Activation Board (Whelen OAUXCS)	688.69	25.51
28 47 17 17-0071	EA	Two Way Landline Activation (Whelen OC2030LL)	716.41	25.51
28 47 17 17-0072	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen OC230NV)	2,432.82	25.51
28 47 17 17-0073	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen OC230NU)	2,432.82	25.51
28 47 17 17-0074	EA	UHF, 10 Digit DTMF (Whelen OC230WU)	2,432.82	25.51
28 47 17 17-0075	EA	VHF High Band, 10 Digit DTMF (Whelen OC230WV)	2,432.82	25.51
28 47 17 17-0076	EA	Converts The Omni-Alert Siren Activation Controls To FSK Format (Whelen OFSKXMOD)	860.07	25.51
28 47 17 17-0077	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen OPGINT)	399.99	25.51
28 47 17 17-0078	EA	Cabinet Window LED Status Indicator (Whelen OSTATUS)	456.05	25.51
28 47 17 17-0079	EA	Intrusion Alarm (Whelen OINTRU)	238.66	25.51
28 47 17 17-0080	EA	80 Watt Solar Power Option (Whelen OSBC280)	4,427.03	153.07
28 47 17 17-0081	EA	One Pair Of Whelen Approved Batteries For Omnialert (Whelen BSETO)	932.35	38.27

28 47 17 17-0082 Tone-Only Rotating Directional Speakers *(28 47 17 17)*

28 47 17 17-0083	EA	3 Cells, 127 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR3) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	22,488.36	763.99
28 47 17 17-0084	EA	4 Cells, 129 dB, Tone-Only Rotating Directional Speaker (Whelen VORTEXR4) Note: Includes amplifiers, controller box with power supply and battery charger. Excludes batteries.	23,866.11	793.36
28 47 17 17-0085	EA	Limited Function Auxiliary Board For Contact Closure Activation (Whelen VAUXIN)	282.14	25.51
28 47 17 17-0086	EA	Landline, 10 Digit DTMF (Whelen VD2030LL)	579.05	25.51
28 47 17 17-0087	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VD230NV)	2,218.58	25.51
28 47 17 17-0088	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VD230NU)	2,218.58	25.51
28 47 17 17-0089	EA	UHF Wide-Band, 10 Digit DTMF (Whelen VD230WU)	2,004.35	25.51
28 47 17 17-0090	EA	VHF High-Wide Band, 10 Digit DTMF (Whelen VD230WV)	1,941.34	25.51
28 47 17 17-0091	EA	Two-Tone Sequential Option (Order One-Way Control Option, Above, VD2020LI, VD2020H, VD2020U) (Whelen VORTT)	425.16	25.51
28 47 17 17-0092	EA	Full Function Auxiliary/Status Control Board For Contact Closure Activation (Whelen VAUXCS)	674.82	25.51
28 47 17 17-0093	EA	Landline, 10 Digit DTMF (Whelen VC2030LL)	716.41	25.51
28 47 17 17-0094	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen VC230NV)	2,432.82	25.51
28 47 17 17-0095	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen VC230NU)	2,432.82	25.51
28 47 17 17-0096	EA	UHF, 10 Digit DTMF (Whelen VC230WU)	2,432.82	25.51
28 47 17 17-0097	EA	VHF High Band, 10 Digit DTMF (Whelen VC230WV)	2,432.82	25.51
28 47 17 17-0098	EA	Option To Convert The Vortex Activation Controls To FSK Format (Whelen VFSKXMOD)	860.07	25.51
28 47 17 17-0099	EA	Cabinet Window LED Status Indicator (Whelen VSTATUS)	497.13	25.51
28 47 17 17-0100	EA	Paging Interface To Interface Whelen Tones With Existing In-Plant Systems (Whelen VPGINT)	399.99	25.51
28 47 17 17-0101	EA	Vortex Intrusion Alarm (Whelen VINTRU)	238.66	25.51
28 47 17 17-0102	EA	Speaker Pole Top Bracket (Whelen VPTB)	688.69	25.51
28 47 17 17-0103	EA	80 Watt Solar Power Option (Whelen VSBC280)	4,427.03	153.07
28 47 17 17-0104	EA	One Pair Of Whelen Approved Batteries For Vortex Series (Whelen BSETVOR)	932.35	38.27
28 47 17 17-0105	EA	Program Charge For Custom VROM Message (Whelen VPROG)	3,714.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0106		**Uni-Directional Rotating Speakers** *(28 47 17 17)*		
28 47 17 17-0107	EA	118 dB, Uni-Directional Rotating Speaker (Whelen HORNET)	14,183.82	675.83
28 47 17 17-0108	EA	One Way Contact Closure Activation Control Board (Whelen HAUXIN)	282.14	25.51
28 47 17 17-0109	EA	Landline, One Way Control, 10 Digit DTMF (Whelen HD2030LL)	579.05	25.51
28 47 17 17-0110	EA	VHF High-Narrow Band, One Way Control, 10 Digit DTMF (Whelen HD230NV)	2,218.58	25.51
28 47 17 17-0111	EA	UHF Narrow-Band, One Way Control, 10 Digit DTMF (Whelen HD230NU)	2,218.58	25.51
28 47 17 17-0112	EA	UHF Wide-Band, One Way Control, 10 Digit DTMF (Whelen HD230WU)	2,004.35	25.51
28 47 17 17-0113	EA	VHF High-Wide Band, One Way Control, 10 Digit DTMF (Whelen HD230WV)	1,941.34	25.51
28 47 17 17-0114	EA	Two-Tone Sequential Option For Hornet (Whelen HORTT)	463.11	25.51
28 47 17 17-0115	EA	Two Way Contact Closure Activation And Status Control Board (Whelen HAUXCS)	617.37	25.51
28 47 17 17-0116	EA	Landline, Two Way Control, 10 Digit DTMF (Whelen HC2030LL)	655.13	25.51
28 47 17 17-0117	EA	VHF High-Narrow Band, Two Way Control, 10 Digit DTMF (Whelen HC230NV)	2,432.82	25.51
28 47 17 17-0118	EA	UHF Narrow-Band, Two Way Control, 10 Digit DTMF (Whelen HC230NU)	2,432.82	25.51
28 47 17 17-0119	EA	UHF, Two Way Control, 10 Digit DTMF (Whelen HC230WU)	2,432.82	25.51
28 47 17 17-0120	EA	VHF High Band, Two Way Control, 10 Digit DTMF (Whelen HC230WV)	2,432.82	25.51
28 47 17 17-0121	EA	Converts Siren Activation Controls To FSK Format (Whelen HFSKXMOD)	860.07	25.51
28 47 17 17-0122	EA	LED Status Indicator (Whelen HSTATUS)	456.05	25.51
28 47 17 17-0123	EA	Option For Paging Interface (Whelen HPGINT)	399.99	25.51
28 47 17 17-0124	EA	Intrusion Alarm (Whelen HINTRU)	238.66	25.51
28 47 17 17-0125	EA	Solar Power Option (Whelen HSBC280)	4,427.03	153.07
28 47 17 17-0126	EA	Pole Top Bracket For Speaker (Whelen HPTB)	651.70	25.51
28 47 17 17-0127	EA	One Pair Of Whelen Approved Batteries (Whelen BSETF)	932.35	38.27
28 47 17 17-0128		**All Hazard In-Plant Personnel Warning System** *(28 47 17 17)*		
28 47 17 17-0129	EA	400 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS400)	6,976.04	816.37
28 47 17 17-0130	EA	800 Watt, Voice Capable, In-Plant Personnel Warning System (Whelen IPS800)	8,503.34	918.42
28 47 17 17-0131	EA	15 Watt, Wide Angle Speaker (Whelen WS15T)	400.32	38.27
28 47 17 17-0132	EA	Recess Mounted, 15 Watt Speaker (Whelen WS15TR)	382.02	38.27
28 47 17 17-0133	EA	With Grill, Recess Mounted, 15 Watt Speaker (Whelen WS15TEN)	748.15	38.27
28 47 17 17-0134	EA	30 Watt, Wide Angle Speaker (Whelen WS30T)	504.44	38.27
28 47 17 17-0135	EA	60 Watt, Wide Angle Speaker (Whelen WS60T)	1,039.90	38.27
28 47 17 17-0136	EA	Explosion-Proof, 60 Watt, Wide Angle Speaker (Whelen WSXPL6T)	1,762.82	43.37
28 47 17 17-0137	EA	100 Watt, Wide Angle Speaker (Whelen WS100)	655.47	38.27
28 47 17 17-0138	EA	Weatherproof Housing, 100 Watt, Wide Angle Speaker (Whelen WS100TCH)	1,031.81	43.37
28 47 17 17-0139	EA	Intrusion Alarm For Whelen Outdoor Speaker Cabinets (Whelen INTRU)	238.66	25.51
28 47 17 17-0140		**Firehouse Siren** *(28 47 17 17)*		
28 47 17 17-0141	EA	Auxiliary Board Contact Closure (Whelen FAUXIN)	282.14	25.51
28 47 17 17-0142	EA	Two-Tone Sequential Option (Whelen FTT)	425.16	25.51
28 47 17 17-0143	EA	Auxiliary/Status Control Board (Whelen FAUXCS)	674.82	25.51
28 47 17 17-0144	EA	Landline, 10 Digit DTMF (Whelen FC2030LL)	655.13	25.51
28 47 17 17-0145	EA	VHF High-Narrow Band, 10 Digit DTMF (Whelen FC230NV)	2,432.82	25.51
28 47 17 17-0146	EA	UHF Narrow-Band, 10 Digit DTMF (Whelen FC230NU)	2,432.82	25.51
28 47 17 17-0147	EA	UHF, 10 Digit DTMF (Whelen FC230WU)	2,432.82	25.51
28 47 17 17-0148	EA	VHF High Band, 10 Digit DTMF (Whelen FC230WV)	2,432.82	25.51
28 47 17 17-0149	EA	Paging Interface Control Option (Whelen FPGINT)	399.99	25.51
28 47 17 17-0150	EA	Intrusion Alarm Control Option (Whelen FINTRU)	238.66	25.51
28 47 17 17-0151	EA	Solar Power Option (Whelen FSBC280) Note: Two 80 watt panels, with brackets and solar regulator.	4,427.03	153.07
28 47 17 17-0152		**Alert Monitor And Message Display** *(28 47 17 17)*		
28 47 17 17-0153	EA	Alert Monitor With Radio Receiver VHF High Band (Whelen V2000H)	2,029.55	25.51
28 47 17 17-0154	EA	Alert Monitor VHF High-Narrow Band (Whelen V2000NH)	2,029.55	25.51
28 47 17 17-0155	EA	Alert Monitor UHF Narrow-Band (Whelen V2000NU)	2,029.55	25.51
28 47 17 17-0156	EA	Alert Monitor With Radio Receiver UHF (Whelen V2000U)	2,029.55	25.51
28 47 17 17-0157	EA	Internal Battery And Charger For VA2000 Series (Whelen VA2BATT)	244.72	38.27
28 47 17 17-0158	EA	Mounting Bracket For Under Cabinet Or Vehicle Mounting - VA2000 Series (Whelen VA2MTG)	63.61	25.51
28 47 17 17-0159	EA	Factory Programming Of 1 To 15 VA2000 Display Messages (Whelen VA2PROGA)	162.47	
28 47 17 17-0160	EA	Factory Programming Of 16 To 45 VA2000 Display Messages (Whelen VA2PROGB)	255.15	
28 47 17 17-0161		**Portable Test Set** *(28 47 17 17)*		
28 47 17 17-0162	EA	VHF High Band, Portable Test Set (Whelen PT2010H)	8,229.17	
28 47 17 17-0163	EA	VHF Low Band, Portable Test Set (Whelen PT2010L)	8,229.17	
28 47 17 17-0164	EA	UHF, Portable Test Set (Whelen PT2010U)	8,229.17	
28 47 17 17-0165		**Replacement Warning Lights** *(28 47 17 17)*		
28 47 17 17-0166	EA	Amber, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IA)	392.84	40.82
28 47 17 17-0167	EA	Blue, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IB)	392.84	40.82
28 47 17 17-0168	EA	Clear, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IC)	392.84	40.82
28 47 17 17-0169	EA	Green, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IG)	392.84	40.82
28 47 17 17-0170	EA	Red, Incandescent, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024IR)	392.84	40.82
28 47 17 17-0171	EA	Amber, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IA)	423.73	40.82
28 47 17 17-0172	EA	Blue, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IB)	269.27	40.82

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 47 17 17-0173	EA	Clear, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IC)	419.15	40.82
28 47 17 17-0174	EA	Green, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IG)	419.15	40.82
28 47 17 17-0175	EA	Red, Incandescent, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120IR)	419.15	40.82
28 47 17 17-0176	EA	Amber, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HA)	392.84	40.82
28 47 17 17-0177	EA	Blue, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HB)	392.84	40.82
28 47 17 17-0178	EA	Clear, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HC)	392.84	40.82
28 47 17 17-0179	EA	Green, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HG)	392.84	40.82
28 47 17 17-0180	EA	Red, Halogen, 24 Volt DC, Industrial Rotating Warning Light (Whelen IR3024HR)	392.84	40.82
28 47 17 17-0181	EA	Amber, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HA)	442.04	40.82
28 47 17 17-0182	EA	Blue, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HB)	442.04	40.82
28 47 17 17-0183	EA	Clear, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HC)	280.71	40.82
28 47 17 17-0184	EA	Green, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HG)	280.71	40.82
28 47 17 17-0185	EA	Red, Halogen, 120 Volt AC, Industrial Rotating Warning Light (Whelen IR3120HR)	280.71	40.82
28 47 17 17-0186		Antenna *(28 47 17 17)*		
28 47 17 17-0187	EA	50' Antenna Cable (Honeywell Ademco 7626-50HC)	307.02	
28 47 17 17-0188	EA	External/Remote Weatherproof Antenna (Honeywell Ademco GSM-ANT3DB)	258.89	
28 47 17 17-0189	EA	80GHz Millimeter Wave Radio (BridgeWave Flex4G-1000)	15,502.84	

28 47 21 Mass Notification System Interfaces *(28 47)*

28 47 21 21 Notification Interfaces to Fire Detection and Alarm *(28 47 21)*

28 47 21 21-0001		Emergency Command Center (Honeywell Fire-Lite) *(28 47 21 21)*		
28 47 21 21-0002	EA	Emergency Command Center Multipurpose Emergency Voice Eevacuation Panels (Fire-Lite ECC-50/100 E)	2,616.94	255.12
28 47 21 21-0003	EA	Circuit Expander Module (Fire-Lite ECC_CE6)	524.45	20.41
28 47 21 21-0004	EA	25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V)	456.67	25.51
28 47 21 21-0005	EA	75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V)	471.31	25.51
28 47 21 21-0006	EA	70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V)	235.59	25.51
28 47 21 21-0007	EA	Local Operator Console (Fire-Lite ECC-LOC)	1,450.93	51.02
28 47 21 21-0008	EA	Remote Page Unit Hand Held Micorphone (Fire-Lite ECC-RPU)	1,164.24	12.75
28 47 21 21-0009	EA	Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA)	1,096.70	51.02
28 47 21 21-0010	EA	Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA)	1,910.74	51.02
28 47 21 21-0011	EA	Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA)	3,049.62	51.02
28 47 21 21-0012	EA	100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU)	1,494.28	25.51
28 47 21 21-0013	EA	Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4)	451.32	25.51
28 47 21 21-0014	EA	Addressable Mini-Monitor Module (Fire-Lite MMF-301)	94.76	25.51
28 47 21 21-0015	EA	Thumb Latch (Fire-Lite THUMBLTCH)	54.78	10.21
28 47 21 21-0016	EA	25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F)	837.43	10.21
28 47 21 21-0017	EA	Replacement Microphone (Fire-Lite ECC-MICROPHONE)	168.29	10.21
28 47 21 21-0018	EA	12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270)	308.72	25.51
28 47 21 21-0019	EA	12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120)	400.81	25.51
28 47 21 21-0020	EA	12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180)	293.77	25.51

28 49 Electronic Personal Protection Systems *(28 40)*

28 49 11 Electronic Personal Safety Detection Systems *(28 49)*

28 49 11 00-0001		Personnel Alarm Locating System *(28 49 11)* Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.		
28 49 11 00-0002	EA	Personnel Alarm Locating System Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.	24,125.04	819.28
28 49 11 00-0003	EA	Personnel Alarm Transmitters With Lithium Batteries	194.88	
28 49 11 00-0004	EA	Lapel Reader	74.96	
28 49 11 00-0005	EA	IR Locator	256.21	30.67
28 49 11 00-0006	EA	Repeaters And Receivers	609.25	102.25

28 49 17 Electronic Personal Safety Emergency Aid Devices *(28 49)*

28 49 17 00-0001		Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) *(28 49 17)*		
28 49 17 00-0002		Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	321.06	61.35
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	381.66	71.57
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	384.80	71.57
28 49 17 00-0006		Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5)	240.20	38.34
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5)	237.76	30.67
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592)	100.92	30.67
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5)	189.17	30.67
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5)	220.73	30.67
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5)	253.47	30.67
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2)	358.73	30.67
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4)	404.02	30.67
28 49 17 00-0015		Call Activation Devices, Emergency Aid Devices (Edwards Signaling) *(28 49 17 00-0001)*		
28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537)	140.52	30.67
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E)	215.73	30.67
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E)	288.35	30.67
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302)	322.06	10.23
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930)	222.45	30.67
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L)	265.88	30.67
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L)	463.78	30.67
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620)	210.51	30.67
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675)	271.31	10.23
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676)	422.88	10.23
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685)	432.20	10.23
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686)	571.39	10.23

END OF SECTION 28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 Earthwork

31 01 Maintenance of Earthwork *(31)*

31 01 20 Maintenance of Earth Moving *(31 01)*

31 01 20 00-0001 Rip Settling Basins *(31 01 20)*

Note: Rip through light soil and sand in settling basin. 8' on center (machine width).

31 01 20 00-0002	ACR	Rip Light Soil And Sand, By Dozer	741.44
31 01 20 00-0003	ACR	Rip Light Soil And Sand, By Grader With Rear Ripper	1,129.22
31 01 20 00-0004	ACR	Rip Light Soil And Sand, By Rubber Tire Front End Loader	986.49

31 05 Common Work Results for Earthwork *(31)*

31 05 13 Soils for Earthwork *(31 05)*

Note: Includes delivery up to 15 miles from the closest approved source and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 05 13 00-0001 Fill Material (Loose, Purchased Material) *(31 05 13)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 05 13 00-0002	CY	Bank Run/Fill Sand	34.83
		For Up To 8, Add	*6.97*
		For >8 To 16, Add	*3.48*
		For >48 To 64, Deduct	*-2.61*
		For >64 To 96, Deduct	*-4.35*
		For >96 To 168, Deduct	*-6.09*
		For >168 To 240, Deduct	*-7.39*
		For >240, Deduct	*-8.70*
31 05 13 00-0003	CY	Screened/Washed Filter/Septic Sand	40.87
		For Up To 8, Add	*8.17*
		For >8 To 16, Add	*4.09*
		For >48 To 64, Deduct	*-2.91*
		For >64 To 96, Deduct	*-4.95*
		For >96 To 168, Deduct	*-7.00*
		For >168 To 240, Deduct	*-8.45*
		For >240, Deduct	*-9.91*
31 05 13 00-0004	CY	3/8" Minus, ASTM C33, Screened/Washed Bedding Sand	55.37
		For Up To 8, Add	*11.07*
		For >8 To 16, Add	*5.54*
		For >48 To 64, Deduct	*-3.63*
		For >64 To 96, Deduct	*-6.40*
		For >96 To 168, Deduct	*-9.17*
		For >168 To 240, Deduct	*-10.99*
		For >240, Deduct	*-12.81*
31 05 13 00-0005	CY	3/16" Minus, Screened/Washed Concrete Sand	49.93
		For Up To 8, Add	*9.99*
		For >8 To 16, Add	*4.99*
		For >48 To 64, Deduct	*-3.36*
		For >64 To 96, Deduct	*-5.86*
		For >96 To 168, Deduct	*-8.36*
		For >168 To 240, Deduct	*-10.04*
		For >240, Deduct	*-11.72*
31 05 13 00-0006	CY	3/32" Minus, Screened/Washed Masonry/Mortar Sand	87.37
		For Up To 8, Add	*17.47*
		For >8 To 16, Add	*8.74*
		For >48 To 64, Deduct	*-5.23*
		For >64 To 96, Deduct	*-9.60*
		For >96 To 168, Deduct	*-13.97*
		For >168 To 240, Deduct	*-16.59*
		For >240, Deduct	*-19.21*
31 05 13 00-0007	CY	Common Fill, Native Soil/Dirt	37.67
		For Up To 8, Add	*7.53*
		For >8 To 16, Add	*3.77*
		For >48 To 64, Deduct	*-2.75*
		For >64 To 96, Deduct	*-4.63*
		For >96 To 168, Deduct	*-6.52*
		For >168 To 240, Deduct	*-7.89*
		For >240, Deduct	*-9.27*
31 05 13 00-0008	CY	Lime Rock Screening	41.76
		For Up To 8, Add	*8.35*
		For >8 To 16, Add	*4.18*
		For >48 To 64, Deduct	*-2.95*
		For >64 To 96, Deduct	*-5.04*
		For >96 To 168, Deduct	*-7.13*
		For >168 To 240, Deduct	*-8.61*
		For >240, Deduct	*-10.08*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 13 00-0009	CY	Crushed Lime Rock Maximum 3-1/2"	41.76	
		For Up To 8, Add	*8.35*	
		For >8 To 16, Add	*4.18*	
		For >48 To 64, Deduct	*-2.95*	
		For >64 To 96, Deduct	*-5.04*	
		For >96 To 168, Deduct	*-7.13*	
		For >168 To 240, Deduct	*-8.61*	
		For >240, Deduct	*-10.08*	
31 05 13 00-0010	CY	Sand/Clay	36.37	
		For Up To 8, Add	*7.27*	
		For >8 To 16, Add	*3.64*	
		For >48 To 64, Deduct	*-2.68*	
		For >64 To 96, Deduct	*-4.50*	
		For >96 To 168, Deduct	*-6.32*	
		For >168 To 240, Deduct	*-7.66*	
		For >240, Deduct	*-9.01*	
31 05 13 00-0011	CY	Recycled Concrete Aggregate	37.52	
		For Up To 8, Add	*7.50*	
		For >8 To 16, Add	*3.75*	
		For >48 To 64, Deduct	*-2.74*	
		For >64 To 96, Deduct	*-4.62*	
		For >96 To 168, Deduct	*-6.49*	
		For >168 To 240, Deduct	*-7.87*	
		For >240, Deduct	*-9.24*	
31 05 13 00-0012	CY	Pit Run Clay	52.20	
		For Up To 8, Add	*10.44*	
		For >8 To 16, Add	*5.22*	
		For >48 To 64, Deduct	*-3.48*	
		For >64 To 96, Deduct	*-6.09*	
		For >96 To 168, Deduct	*-8.70*	
		For >168 To 240, Deduct	*-10.43*	
		For >240, Deduct	*-12.17*	
31 05 13 00-0013	CY	Light Clay / Loam	43.43	
		For Up To 8, Add	*8.69*	
		For >8 To 16, Add	*4.34*	
		For >48 To 64, Deduct	*-3.04*	
		For >64 To 96, Deduct	*-5.21*	
		For >96 To 168, Deduct	*-7.38*	
		For >168 To 240, Deduct	*-8.90*	
		For >240, Deduct	*-10.42*	
31 05 13 00-0014	CY	Heavy Clay	52.20	
		For Up To 8, Add	*10.44*	
		For >8 To 16, Add	*5.22*	
		For >48 To 64, Deduct	*-3.48*	
		For >64 To 96, Deduct	*-6.09*	
		For >96 To 168, Deduct	*-8.70*	
		For >168 To 240, Deduct	*-10.43*	
		For >240, Deduct	*-12.17*	

31 05 16 Aggregates for Earthwork *(31 05)*

See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 05 16 00-0001 Aggregate (Loose, Purchased Material) *(31 05 16)*

Note: Includes delivery up to 15 miles from the closest approved source, loading and dumping. Excludes spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 05 16 00-0002	CY	#2 (1-1/2" To 2-1/2" Clean) Stone Aggregate Fill	55.66	
		For Up To 8, Add	*11.13*	
		For >8 To 16, Add	*5.57*	
		For >48 To 64, Deduct	*-3.65*	
		For >64 To 96, Deduct	*-6.43*	
		For >96 To 168, Deduct	*-9.22*	
		For >168 To 240, Deduct	*-11.04*	
		For >240, Deduct	*-12.86*	
31 05 16 00-0003	CY	#3 (1" To 2" Clean) Stone Aggregate Fill	57.91	
		For Up To 8, Add	*11.58*	
		For >8 To 16, Add	*5.79*	
		For >48 To 64, Deduct	*-3.76*	
		For >64 To 96, Deduct	*-6.66*	
		For >96 To 168, Deduct	*-9.55*	
		For >168 To 240, Deduct	*-11.43*	
		For >240, Deduct	*-13.31*	
31 05 16 00-0004	CY	#4 (3/4" To 1-1/2" Clean) Stone Aggregate Fill	55.66	
		For Up To 8, Add	*11.13*	
		For >8 To 16, Add	*5.57*	
		For >48 To 64, Deduct	*-3.65*	
		For >64 To 96, Deduct	*-6.43*	
		For >96 To 168, Deduct	*-9.22*	
		For >168 To 240, Deduct	*-11.04*	
		For >240, Deduct	*-12.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0005	CY	#5 (1/2" To 1" Clean) Stone Aggregate Fill	59.54	
		For Up To 8, Add	*11.91*	
		For >8 To 16, Add	*5.95*	
		For >48 To 64, Deduct	*-3.84*	
		For >64 To 96, Deduct	*-6.82*	
		For >96 To 168, Deduct	*-9.80*	
		For >168 To 240, Deduct	*-11.72*	
		For >240, Deduct	*-13.64*	
31 05 16 00-0006	CY	#6 (3/8" To 3/4" Clean) Stone Aggregate Fill	61.82	
		For Up To 8, Add	*12.36*	
		For >8 To 16, Add	*6.18*	
		For >48 To 64, Deduct	*-3.96*	
		For >64 To 96, Deduct	*-7.05*	
		For >96 To 168, Deduct	*-10.14*	
		For >168 To 240, Deduct	*-12.12*	
		For >240, Deduct	*-14.10*	
31 05 16 00-0007	CY	#56 (3/8" To 1") Stone Aggregate Fill	59.89	
		For Up To 8, Add	*11.98*	
		For >8 To 16, Add	*5.99*	
		For >48 To 64, Deduct	*-3.86*	
		For >64 To 96, Deduct	*-6.86*	
		For >96 To 168, Deduct	*-9.85*	
		For >168 To 240, Deduct	*-11.78*	
		For >240, Deduct	*-13.71*	
31 05 16 00-0008	CY	#57 (3/8" To 1") Stone Aggregate Fill	63.88	
		For Up To 8, Add	*12.78*	
		For >8 To 16, Add	*6.39*	
		For >48 To 64, Deduct	*-4.06*	
		For >64 To 96, Deduct	*-7.25*	
		For >96 To 168, Deduct	*-10.45*	
		For >168 To 240, Deduct	*-12.48*	
		For >240, Deduct	*-14.51*	
31 05 16 00-0009	CY	#67 Or #68 (3/16" To 3/4") Stone Aggregate Fill	57.78	
		For Up To 8, Add	*11.56*	
		For >8 To 16, Add	*5.78*	
		For >48 To 64, Deduct	*-3.76*	
		For >64 To 96, Deduct	*-6.64*	
		For >96 To 168, Deduct	*-9.53*	
		For >168 To 240, Deduct	*-11.41*	
		For >240, Deduct	*-13.29*	
31 05 16 00-0010	CY	#7I (3/8" To 1/2") Stone Aggregate Fil	58.89	
		For Up To 8, Add	*11.78*	
		For >8 To 16, Add	*5.89*	
		For >48 To 64, Deduct	*-3.81*	
		For >64 To 96, Deduct	*-6.76*	
		For >96 To 168, Deduct	*-9.70*	
		For >168 To 240, Deduct	*-11.60*	
		For >240, Deduct	*-13.51*	
31 05 16 00-0011	CY	#78 (3/32" To 1/2") Stone Aggregate Fill	59.37	
		For Up To 8, Add	*11.87*	
		For >8 To 16, Add	*5.94*	
		For >48 To 64, Deduct	*-3.83*	
		For >64 To 96, Deduct	*-6.80*	
		For >96 To 168, Deduct	*-9.77*	
		For >168 To 240, Deduct	*-11.69*	
		For >240, Deduct	*-13.61*	
31 05 16 00-0012	CY	#8 (3/32" To 3/8") Stone Aggregate Fill	61.82	
		For Up To 8, Add	*12.36*	
		For >8 To 16, Add	*6.18*	
		For >48 To 64, Deduct	*-3.96*	
		For >64 To 96, Deduct	*-7.05*	
		For >96 To 168, Deduct	*-10.14*	
		For >168 To 240, Deduct	*-12.12*	
		For >240, Deduct	*-14.10*	
31 05 16 00-0013	CY	#89 (1/16" To 3/8") Stone Aggregate Fill	62.51	
		For Up To 8, Add	*12.50*	
		For >8 To 16, Add	*6.25*	
		For >48 To 64, Deduct	*-3.99*	
		For >64 To 96, Deduct	*-7.12*	
		For >96 To 168, Deduct	*-10.24*	
		For >168 To 240, Deduct	*-12.24*	
		For >240, Deduct	*-14.23*	
31 05 16 00-0014	CY	#9 (3/32" To 3/16") Stone Aggregate Fill	61.82	
		For Up To 8, Add	*12.36*	
		For >8 To 16, Add	*6.18*	
		For >48 To 64, Deduct	*-3.96*	
		For >64 To 96, Deduct	*-7.05*	
		For >96 To 168, Deduct	*-10.14*	
		For >168 To 240, Deduct	*-12.12*	
		For >240, Deduct	*-14.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0015	CY	#10 (1/16" To 3/16") Stone Aggregate Fill	63.23	
		For Up To 8, Add	*12.65*	
		For >8 To 16, Add	*6.32*	
		For >48 To 64, Deduct	*-4.03*	
		For >64 To 96, Deduct	*-7.19*	
		For >96 To 168, Deduct	*-10.35*	
		For >168 To 240, Deduct	*-12.36*	
		For >240, Deduct	*-14.38*	
31 05 16 00-0016	CY	#610 (1/16" To 3/4") Modified Stone Aggregate Fill	62.51	
		For Up To 8, Add	*12.50*	
		For >8 To 16, Add	*6.25*	
		For >48 To 64, Deduct	*-3.99*	
		For >64 To 96, Deduct	*-7.12*	
		For >96 To 168, Deduct	*-10.24*	
		For >168 To 240, Deduct	*-12.24*	
		For >240, Deduct	*-14.23*	
31 05 16 00-0017	CY	3/16" Max Screenings Stone Aggregate Fill	52.51	
		For Up To 8, Add	*10.50*	
		For >8 To 16, Add	*5.25*	
		For >48 To 64, Deduct	*-3.49*	
		For >64 To 96, Deduct	*-6.12*	
		For >96 To 168, Deduct	*-8.74*	
		For >168 To 240, Deduct	*-10.49*	
		For >240, Deduct	*-12.23*	
31 05 16 00-0018	CY	Over 6" To 12" Stone Aggregate Fill, Random Size	57.03	
		For Up To 8, Add	*11.41*	
		For >8 To 16, Add	*5.70*	
		For >48 To 64, Deduct	*-3.72*	
		For >64 To 96, Deduct	*-6.57*	
		For >96 To 168, Deduct	*-9.42*	
		For >168 To 240, Deduct	*-11.28*	
		For >240, Deduct	*-13.14*	
31 05 16 00-0019	CY	Over 6" To 12" Graded Stone Aggregate Fill	57.03	
		For Up To 8, Add	*11.41*	
		For >8 To 16, Add	*5.70*	
		For >48 To 64, Deduct	*-3.72*	
		For >64 To 96, Deduct	*-6.57*	
		For >96 To 168, Deduct	*-9.42*	
		For >168 To 240, Deduct	*-11.28*	
		For >240, Deduct	*-13.14*	
31 05 16 00-0020	CY	3" To 7" Surge Stone Aggregate Fill, Random Size	61.55	
		For Up To 8, Add	*12.31*	
		For >8 To 16, Add	*6.16*	
		For >48 To 64, Deduct	*-3.94*	
		For >64 To 96, Deduct	*-7.02*	
		For >96 To 168, Deduct	*-10.10*	
		For >168 To 240, Deduct	*-12.07*	
		For >240, Deduct	*-14.04*	
31 05 16 00-0021	CY	3" To 7" Surge Stone Graded Aggregate Fill	64.77	
		For Up To 8, Add	*12.95*	
		For >8 To 16, Add	*6.48*	
		For >48 To 64, Deduct	*-4.10*	
		For >64 To 96, Deduct	*-7.34*	
		For >96 To 168, Deduct	*-10.58*	
		For >168 To 240, Deduct	*-12.63*	
		For >240, Deduct	*-14.69*	
31 05 16 00-0022	CY	2-1/2" Minus Crusher Run Aggregate Fill	36.78	
		For Up To 8, Add	*7.36*	
		For >8 To 16, Add	*3.68*	
		For >48 To 64, Deduct	*-2.71*	
		For >64 To 96, Deduct	*-4.54*	
		For >96 To 168, Deduct	*-6.38*	
		For >168 To 240, Deduct	*-7.74*	
		For >240, Deduct	*-9.09*	
31 05 16 00-0023	CY	1-1/2" Minus Crusher Run Aggregate Fill	40.32	
		For Up To 8, Add	*8.06*	
		For >8 To 16, Add	*4.03*	
		For >48 To 64, Deduct	*-2.88*	
		For >64 To 96, Deduct	*-4.90*	
		For >96 To 168, Deduct	*-6.91*	
		For >168 To 240, Deduct	*-8.36*	
		For >240, Deduct	*-9.80*	
31 05 16 00-0024	CY	3/4" Minus Crusher Run Aggregate Fill	38.02	
		For Up To 8, Add	*7.60*	
		For >8 To 16, Add	*3.80*	
		For >48 To 64, Deduct	*-2.77*	
		For >64 To 96, Deduct	*-4.67*	
		For >96 To 168, Deduct	*-6.57*	
		For >168 To 240, Deduct	*-7.95*	
		For >240, Deduct	*-9.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 05 16 00-0025	CY	#20 Silica Sand For Playground Use Only	164.78	
		For Up To 8, Add	*32.96*	
		For >8 To 16, Add	*16.48*	
		For >48 To 64, Deduct	*-9.11*	
		For >64 To 96, Deduct	*-17.34*	
		For >96 To 168, Deduct	*-25.58*	
		For >168 To 240, Deduct	*-30.14*	
		For >240, Deduct	*-34.69*	
31 05 16 00-0026	CY	Graded Aggregate Base Fill (3/4" Minus) Class II Base	57.33	
		For Up To 8, Add	*11.47*	
		For >8 To 16, Add	*5.73*	
		For >48 To 64, Deduct	*-3.73*	
		For >64 To 96, Deduct	*-6.60*	
		For >96 To 168, Deduct	*-9.47*	
		For >168 To 240, Deduct	*-11.33*	
		For >240, Deduct	*-13.20*	
31 05 16 00-0027	CY	Miscellaneous Crushed Base, Processed Concrete, Paving	66.54	
		For Up To 8, Add	*13.31*	
		For >8 To 16, Add	*6.65*	
		For >48 To 64, Deduct	*-4.19*	
		For >64 To 96, Deduct	*-7.52*	
		For >96 To 168, Deduct	*-10.85*	
		For >168 To 240, Deduct	*-12.94*	
		For >240, Deduct	*-15.04*	

31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization *(31 05)*

See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

31 10 Site Clearing *(31)*

31 11 Clearing and Grubbing *(31 10)*

31 11 00 00-0001 Clear And Grub Roots And Stumps *(31 11)*

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR	Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip Note: Includes grub and removal of stump	7,813.66
31 11 00 00-0003	ACR	Clear And Grub Light Stumps Only Up To 6" Diameter	2,318.10
31 11 00 00-0004	ACR	Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip Note: Includes grub and removal of stump	10,418.21
31 11 00 00-0005	ACR	Clear And Grub Medium Stumps Only Up To 10" Diameter	3,863.50
31 11 00 00-0006	ACR	Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip Note: Includes grub and removal of stump	14,325.04
31 11 00 00-0007	ACR	Clear And Grub Heavy Stumps Only Up To 16" Diameter	5,795.25
31 11 00 00-0008	ACR	Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip Note: Includes grub and removal of stump	20,836.42
31 11 00 00-0009	ACR	Clear And Grub Heavy Stumps Only Up To 24" Diameter	8,113.35
31 11 00 00-0010	ACR	Clearing By Machine - Light Brush Without Grub	352.68
31 11 00 00-0011	ACR	Clearing By Machine - Medium Brush Without Grub	734.82
31 11 00 00-0012	ACR	Clearing By Machine - Heavy Brush Without Grub	1,038.03
31 11 00 00-0013	ACR	Chipping - Light Brush	2,778.69
31 11 00 00-0014	ACR	Chipping - Medium Brush	3,572.77
31 11 00 00-0015	ACR	Chipping - Heavy Brush	5,002.34

31 11 00 00-0016 Loading Of Cleared And Grubbed Material *(31 11)*

See CSI section 01 74 19 00-0048 for hauling.

31 11 00 00-0017	CY	Machine Loading Of Cleared And Grubbed Material	12.42
31 11 00 00-0018	CY	Chute Loading Of Cleared And Grubbed Material	14.91
31 11 00 00-0019	CY	Hand Loading Of Cleared And Grubbed Material	41.99
31 11 00 00-0020	CY	Wheel And Ramp Loading Of Cleared And Grubbed Material	32.99

31 13 Selective Tree and Shrub Removal and Trimming *(31 10)*

31 13 13 Selective Tree and Shrub Removal *(31 13)*

31 13 13 00-0001 Individual Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA	Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	651.14
31 13 13 00-0003	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	976.71
31 13 13 00-0004	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,302.27
31 13 13 00-0005	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	1,953.41
31 13 13 00-0006	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	2,604.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0007	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,255.70	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-813.93*	
31 13 13 00-0008	EA	>60" To 72" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	3,906.83	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-976.71*	
31 13 13 00-0009	EA	>72" To 84" D.B.H. (Diameter At Breast Height) Tree Removal Note: Includes cutting up tree, chipping and loading.	5,209.11	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-1,302.28*	
31 13 13 00-0010		**Stump Removal** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0011		**Stump Removal By Machine** *(31 13 13 00-0010)*		
31 13 13 00-0012	EA	Up To 6" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	115.91	
31 13 13 00-0013	EA	>6" To 12" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	222.15	
31 13 13 00-0014	EA	>12" To 24" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	289.76	
31 13 13 00-0015	EA	>24" To 36" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	434.65	
31 13 13 00-0016	EA	>36" To 48" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	511.95	
31 13 13 00-0017	EA	>48" To 60" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	602.70	
31 13 13 00-0018	EA	>60" To 72" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	714.75	
31 13 13 00-0019	EA	>72" To 84" Diameter Stump Removal Note: Includes excavation necessary to remove stump and loading.	840.31	
31 13 13 00-0020		**Stump Removal By Hand** *(31 13 13 00-0010)*		
31 13 13 00-0021	EA	Up To 6" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	677.36	
31 13 13 00-0022	EA	>6" To 12" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	846.70	
31 13 13 00-0023	EA	>12" To 24" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,241.82	
31 13 13 00-0024	EA	>24" To 36" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	1,693.38	
31 13 13 00-0025	EA	>36" To 48" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,257.85	
31 13 13 00-0026	EA	>48" To 60" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	2,822.31	
31 13 13 00-0027	EA	>60" To 72" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,386.77	
31 13 13 00-0028	EA	>72" To 84" Diameter Stump Removal By Hand Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.	3,951.23	
31 13 13 00-0029		**Stump Grinding** *(31 13 13)* Note: Measured by diameter of stump.		
31 13 13 00-0030		**Stump Grinding, 18" Deep Below Surface Of Soil** *(31 13 13 00-0029)* Note: Level soil to match existing surface area.		
31 13 13 00-0031	EA	Stump Grinding Up To 6" Tree	126.63	
		For 24" Depth, Add	*25.33*	
31 13 13 00-0032	EA	Stump Grinding >6" To 12" Tree	158.29	
		For 24" Depth, Add	*31.66*	
31 13 13 00-0033	EA	Stump Grinding >12" To 15" Tree	189.95	
		For 24" Depth, Add	*37.99*	
31 13 13 00-0034	EA	Stump Grinding >15" To 18" Tree	211.05	
		For 24" Depth, Add	*42.21*	
31 13 13 00-0035	EA	Stump Grinding >18" To 21" Tree	226.88	
		For 24" Depth, Add	*45.38*	
31 13 13 00-0036	EA	Stump Grinding >21" To 24" Tree	242.70	
		For 24" Depth, Add	*48.54*	
31 13 13 00-0037	EA	Stump Grinding >24" To 27" Tree	263.82	
		For 24" Depth, Add	*52.76*	
31 13 13 00-0038	EA	Stump Grinding >27" To 30" Tree	287.84	
		For 24" Depth, Add	*57.57*	
31 13 13 00-0039	EA	Stump Grinding >30" To 33" Tree	319.82	
		For 24" Depth, Add	*63.96*	
31 13 13 00-0040	EA	Stump Grinding >33" To 36" Tree	351.80	
		For 24" Depth, Add	*70.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 13 00-0041	EA	Stump Grinding >36" To 42" Tree	383.78	
		For 24" Depth, Add	*76.76*	
31 13 13 00-0042	EA	Stump Grinding >42" To 48" Tree	426.42	
		For 24" Depth, Add	*85.28*	
31 13 13 00-0043	EA	Stump Grinding >48" To 60" Tree	533.03	
		For 24" Depth, Add	*106.61*	
31 13 13 00-0044	EA	Stump Grinding >60" To 72" Tree	666.28	
		For 24" Depth, Add	*133.26*	
31 13 13 00-0045	EA	Stump Grinding >72" To 84" Tree	852.84	
		For 24" Depth, Add	*170.57*	

31 13 13 00-0046 Shrub Removal *(31 13 13)*

31 13 13 00-0047	EA	Removal Of 18" To 24" Shrub, Broadleaf Evergreen	50.32	
31 13 13 00-0048	EA	Removal Of 2' To 3' Shrub, Broadleaf Evergreen	78.91	
31 13 13 00-0049	EA	Removal Of 3' To 4' Shrub, Broadleaf Evergreen	91.49	
31 13 13 00-0050	EA	Removal Of 4' To 5' Shrub, Broadleaf Evergreen	137.23	
31 13 13 00-0051	EA	Removal Of 12" To 15" Shrub, Deciduous	25.16	
31 13 13 00-0052	EA	Removal Of 18" To 24" Shrub, Deciduous	38.89	
31 13 13 00-0053	EA	Removal Of 2' To 3' Shrub, Deciduous	50.32	
31 13 13 00-0054	EA	Removal Of 3' To 4' Shrub, Deciduous	54.90	
31 13 13 00-0055	EA	Removal Of 18" To 24" Shrub, Evergreen	50.32	
31 13 13 00-0056	EA	Removal Of 24" To 30" Shrub, Evergreen	54.90	
31 13 13 00-0057	EA	Removal Of 30" To 36" Shrub, Evergreen	78.91	
31 13 13 00-0058	EA	Removal Of 36" To 42" Shrub, Evergreen	137.23	

31 13 13 00-0059 Fallen Tree Removal *(31 13 13)*

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding. Excludes removing tree from ground.

31 13 13 00-0060	EA	Up To 6" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	520.91	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-130.23*	
		For >25, Deduct	*-65.11*	
31 13 13 00-0061	EA	>6" To 12" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	781.37	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-195.34*	
		For >25, Deduct	*-97.67*	
31 13 13 00-0062	EA	>12" To 24" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,041.82	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-260.46*	
		For >10, Deduct	*-104.18*	
31 13 13 00-0063	EA	>24" To 36" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	1,562.73	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-390.68*	
		For >10, Deduct	*-156.27*	
31 13 13 00-0064	EA	>36" To 48" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,083.64	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-520.91*	
		For >10, Deduct	*-208.36*	
31 13 13 00-0065	EA	>48" To 60" D.B.H. (Diameter At Breast Height) Fallen Tree Removal Note: Includes cutting up tree, chipping and loading.	2,604.55	
		For Tree Removal Without Chipping Or Cutting Up Tree Into Smaller Pieces, Deduct	*-651.14*	
		For >10, Deduct	*-260.46*	

31 13 16 Selective Tree and Shrub Trimming *(31 13)*

See CSI section 32 01 90 23-0000 for tree pruning.

31 13 16 00-0001 Tree Trimming For Pole Line Construction And Maintenance *(31 13 16)*

Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.

31 13 16 00-0002	LF	Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction	2.10	
31 13 16 00-0003	LF	Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction	3.15	
31 13 16 00-0004	LF	Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction	3.70	

31 13 16 00-0005 Tree Branch Trimming And Removal For Maintenance Along Building Or Structure *(31 13 16)*

Note: Includes pick-up and placement of cut branches into chipper for removal. Excludes transportation from site or disposal fee. See CSI section 01 22 23 00-0105 for bucket truck where required for additional height.

31 13 16 00-0006	EA	Trim Tree Branch Minimum Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	766.26	
31 13 16 00-0007	EA	Up To 1" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	19.15	
31 13 16 00-0008	EA	>1" To 2" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	21.56	
31 13 16 00-0009	EA	>2" To 3" Diameter Branch, Up To 5' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.34	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 13 16 00-0010	EA	Up To 1" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	23.95	
31 13 16 00-0011	EA	>1" To 2" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	26.93	
31 13 16 00-0012	EA	>2" To 3" Diameter Branch, >5' To 10' Length And Up To 10' From Ground, Trim Tree Branch From Building Or Structure	32.93	

31 20 Earth Moving *(31)*

Note: Per OSHA -Soil Classification - 1926 Subpart P App A. Light material: Class A site material, normally referred to as "easy digging". Consisting of loose, soft, free running materials. Close lying, which will fill blade, digger or bucket to capacity, and frequently provide a heaped load. Materials such as dry sand, small gravel, unpacked earth, loam, etc., would fall into this category. Medium material: Class B site material, normally referred to as "medium and tough, wet and sticky clay would be examples of this medium digging", consisting of harder materials that are not difficult to dig without assistance such as ripping, blasting, etc. Material break up with some bulkiness causing voids in digger or bucket. Materials such as packed earth, common earth with some clay, soil with less than 25% rock content would be examples of this category. Heavy/wet material: Class C site material, normally referred to as "hard digging", consisting of materials which may require some assistance in breaking up. Bulky and somewhat hard to penetrate materials would be found in this category and voids in dipper or bucket would be common. Materials such as very hard packed soil, with up to 50% to 70% rock content and hard category. Soil conditions will be determined by soil analysis to provide appropriate percentage (%) for the various types of soil conditions. Apply the percentages to the various soil types to generate an appropriate representation of the soil condition.

31 22 Grading *(31 20)*

31 22 19 Finish Grading *(31 22)*

31 22 19 13 Spreading and Grading Topsoil *(31 22 19)*

31 22 19 13-0001 Site Grading For Areas Outside Of Structures And Slabs *(31 22 19 13)*
Note: Use of bobcat type equipment or hand for finish grading for positive drainage.

31 22 19 13-0002 Hand Digging And Grading *(31 22 19 13-0001)*

31 22 19 13-0003	SF	Trim And Shape Machine Excavated Area By Hand Finish Grade	1.15
31 22 19 13-0004	SF	Trim And Shape Area On Grade By Hand, Finish Grade	1.05
31 22 19 13-0005	SF	Fine Grade Gravel Bedding By Hand Finish Grade	1.09
31 22 19 13-0006	SF	Fine Grade Gravel By Hand Finish Grade	0.92

31 22 19 13-0007 Machine Operations *(31 22 19 13-0001)*

31 22 19 13-0008 Machine Operations With Grader *(31 22 19 13-0007)*

31 22 19 13-0009	CSY	Semi-Grade, 2 Passes With Grader	453.94
31 22 19 13-0010	CSY	Fine Grade, 3 Passes With Grader	630.46

31 23 Excavation and Fill *(31 20)*

31 23 16 Excavation *(31 23)*

31 23 16 13 Trenching *(31 23 16)*

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

31 23 16 13-0001 Excavation For Trenching By Machine *(31 23 16 13)*
Note: Includes stockpiling excess materials and trimming sides and bottom of trench.

31 23 16 13-0002	CY	12" Wide or Less, Excavation for Trenching by Machine in Soil	12.07
		For Excavation In Light Material (Class A), Deduct	*-1.51*
		For Excavation In Heavy/Wet Material (Class C), Add	*4.83*
		For Up To 20, Add	*12.07*
		For >20 To 50, Add	*9.05*
		For >50 To 250, Add	*4.83*
		For >250 To 500, Add	*1.81*
		For >1,000, Deduct	*-1.81*
31 23 16 13-0003	CY	Over 12" Wide, Excavation for Trenching by Machine in Soil	7.77
		For Excavation In Light Material (Class A), Deduct	*-0.97*
		For Excavation In Heavy/Wet Material (Class C), Add	*3.11*
		For Up To 20, Add	*7.77*
		For >20 To 50, Add	*5.83*
		For >50 To 250, Add	*3.11*
		For >250 To 500, Add	*1.17*
		For >1,000, Deduct	*-1.17*
31 23 16 13-0004	CY	12" Wide or Less, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	19.98
		For Up To 20, Add	*19.98*
		For >20 To 50, Add	*14.99*
		For >50 To 250, Add	*7.99*
		For >250 To 500, Add	*3.00*
		For >1,000, Deduct	*-3.00*
31 23 16 13-0005	CY	Over 12" Wide, Excavation for Trenching by Machine in Loose Rock Note: Includes compacted aggregate	13.81
		For Up To 20, Add	*13.81*
		For >20 To 50, Add	*10.36*
		For >50 To 250, Add	*5.52*
		For >250 To 500, Add	*2.07*
		For >1,000, Deduct	*-2.07*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 23 16 13-0006 Excavation For Trenching By Hand *(31 23 16 13)*

31 23 16 13-0007	CY	Excavation For Trenching By Hand In Soil Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	138.56	
31 23 16 13-0008	CY	Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	237.68	
31 23 16 13-0009	SF	Trim Bottom Of Excavation Hand Labor Note: For use with machine excavation.	1.08	
31 23 16 13-0010	SF	Trim Slopes/Sides Of Excavation Hand Labor Note: For use with machine excavation.	1.24	

31 23 16 13-0011 Backfilling Or Placing Subbase For Trenches *(31 23 16 13)*

Note: With imported or stockpiled materials.

31 23 16 13-0012	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine	4.42	
		For Up To 20, Add	*4.42*	
		For >20 To 50, Add	*3.32*	
		For >50 To 250, Add	*1.77*	
		For >250 To 500, Add	*0.66*	
		For >1,000, Deduct	*-0.66*	
31 23 16 13-0013	CY	Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand	38.49	

31 23 16 13-0014 Compaction Of Fill Or Subbase For Trenches *(31 23 16 13)*

Note: Includes restoration of final grade.

31 23 16 13-0015	CY	Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, etc.	8.03	
		For Up To 20, Add	*8.03*	
		For >20 To 50, Add	*6.02*	
		For >50 To 250, Add	*3.21*	
		For >250 To 500, Add	*1.20*	
		For >1,000, Deduct	*-1.20*	
31 23 16 13-0016	CY	Compaction of Fill or Subbase for Trenches by Hand	43.42	

31 23 16 13-0017 Loading Excess Material For Removal From Excavation For Trenches *(31 23 16 13)*

Note: Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0048 for hauling.

31 23 16 13-0018	CY	Load Excess Material by Machine for Removal from Excavation for Trenching	7.69	
		For Up To 20, Add	*7.69*	
		For >20 To 50, Add	*5.77*	
		For >50 To 250, Add	*3.08*	
		For >250 To 500, Add	*1.15*	
		For >1,000, Deduct	*-1.15*	
31 23 16 13-0019	CY	Load Excess Material by Hand for Removal from Excavation for Trenching	101.60	

31 23 16 13-0020 Spread Excess Or Imported Material For Trenches *(31 23 16 13)*

Note: Includes hand work by laborer for cleanup.

31 23 16 13-0021	CY	Spread Excess Or Imported Material On Site With Machine	3.69	
		For Up To 20, Add	*3.69*	
		For >20 To 50, Add	*2.77*	
		For >50 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.55*	
		For >1,000, Deduct	*-0.55*	

31 23 16 13-0022 Direct Burial (Plowed-in) Cable Or Piping By Machine *(31 23 16 13)*

Note: Includes trench, backfill, compaction and restoration of final grade.

31 23 16 13-0023	LF	Direct Burial of Cable or Piping up to 12" Deep	2.64	
31 23 16 13-0024	LF	Direct Burial of Cable or Piping >12" to 24" Deep	2.91	
31 23 16 13-0025	LF	Direct Burial of Cable or Piping >24" to 36" Deep	4.14	
31 23 16 13-0026	LF	Direct Burial of Cable or Piping >36" to 48" Deep	4.66	

31 23 16 13-0027 Utility Chain Trencher *(31 23 16 13)*

31 23 16 13-0028 Utility Trench, Chain Trencher *(31 23 16 13-0027)*

Note: Earth left adjacent to trench.

31 23 16 13-0029	LF	4" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.51	
		For >100 To 250, Deduct	*-0.11*	
		For >250 To 500, Deduct	*-0.23*	
		For >500, Deduct	*-0.45*	
31 23 16 13-0030	LF	4" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.65	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.25*	
		For >500, Deduct	*-0.50*	
31 23 16 13-0031	LF	4" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	1.70	
		For >100 To 250, Deduct	*-0.12*	
		For >250 To 500, Deduct	*-0.26*	
		For >500, Deduct	*-0.51*	
31 23 16 13-0032	LF	6" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	1.81	
		For >100 To 250, Deduct	*-0.13*	
		For >250 To 500, Deduct	*-0.27*	
		For >500, Deduct	*-0.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 13-0033	LF	6" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	1.98	
		For >100 To 250, Deduct	*-0.14*	
		For >250 To 500, Deduct	*-0.30*	
		For >500, Deduct	*-0.59*	
31 23 16 13-0034	LF	6" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	2.26	
		For >100 To 250, Deduct	*-0.16*	
		For >250 To 500, Deduct	*-0.34*	
		For >500, Deduct	*-0.68*	
31 23 16 13-0035	LF	6" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	2.70	
		For >100 To 250, Deduct	*-0.19*	
		For >250 To 500, Deduct	*-0.41*	
		For >500, Deduct	*-0.81*	
31 23 16 13-0036	LF	8" Wide, 12" Deep Trench, Medium Soil, Chain Trencher	2.56	
		For >100 To 250, Deduct	*-0.18*	
		For >250 To 500, Deduct	*-0.38*	
		For >500, Deduct	*-0.77*	
31 23 16 13-0037	LF	8" Wide, 18" Deep Trench, Medium Soil, Chain Trencher	3.00	
		For >100 To 250, Deduct	*-0.21*	
		For >250 To 500, Deduct	*-0.45*	
		For >500, Deduct	*-0.90*	
31 23 16 13-0038	LF	8" Wide, 24" Deep Trench, Medium Soil, Chain Trencher	3.42	
		For >100 To 250, Deduct	*-0.24*	
		For >250 To 500, Deduct	*-0.51*	
		For >500, Deduct	*-1.03*	
31 23 16 13-0039	LF	8" Wide, 36" Deep Trench, Medium Soil, Chain Trencher	4.05	
		For >100 To 250, Deduct	*-0.28*	
		For >250 To 500, Deduct	*-0.61*	
		For >500, Deduct	*-1.22*	

31 23 16 13-0040 Backfill Trenches With Compaction *(31 23 16 13-0027)*

31 23 16 13-0041	LF	Backfill 4" Wide, 12" Deep Trench, With Compaction	0.23	
		For >100 To 250, Deduct	*-0.02*	
		For >250 To 500, Deduct	*-0.03*	
		For >500, Deduct	*-0.07*	
31 23 16 13-0042	LF	Backfill 4" Wide, 18" Deep Trench, With Compaction	0.37	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0043	LF	Backfill 4" Wide, 24" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0044	LF	Backfill 6" Wide, 12" Deep Trench, With Compaction	0.37	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.06*	
		For >500, Deduct	*-0.11*	
31 23 16 13-0045	LF	Backfill 6" Wide, 18" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0046	LF	Backfill 6" Wide, 24" Deep Trench, With Compaction	0.74	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.22*	
31 23 16 13-0047	LF	Backfill 6" Wide, 36" Deep Trench, With Compaction	1.05	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.16*	
		For >500, Deduct	*-0.32*	
31 23 16 13-0048	LF	Backfill 8" Wide, 12" Deep Trench, With Compaction	0.48	
		For >100 To 250, Deduct	*-0.03*	
		For >250 To 500, Deduct	*-0.07*	
		For >500, Deduct	*-0.14*	
31 23 16 13-0049	LF	Backfill 8" Wide, 18" Deep Trench, With Compaction	0.74	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 500, Deduct	*-0.11*	
		For >500, Deduct	*-0.22*	
31 23 16 13-0050	LF	Backfill 8" Wide, 24" Deep Trench, With Compaction	0.98	
		For >100 To 250, Deduct	*-0.07*	
		For >250 To 500, Deduct	*-0.15*	
		For >500, Deduct	*-0.29*	
31 23 16 13-0051	LF	Backfill 8" Wide, 36" Deep Trench, With Compaction	1.46	
		For >100 To 250, Deduct	*-0.10*	
		For >250 To 500, Deduct	*-0.22*	
		For >500, Deduct	*-0.44*	

31 23 16 16 Structural Excavation for Minor Structures *(31 23 16)*

31 23 16 16-0001 Post Holes *(31 23 16 16)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.

31 23 16 16-0002 Drilling Post Hole In Soil *(31 23 16 16-0001)*

Note: Auger by machine unless otherwise notified by owner.

31 23 16 16-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	10.09
31 23 16 16-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil	11.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 16-0005	VLF	3" Diameter Hole, Auger By Machine Post Hole In Soil	13.45	
31 23 16 16-0006	VLF	4" Diameter Hole, Auger By Machine Post Hole In Soil	15.13	
31 23 16 16-0007	VLF	6" Diameter Hole, Auger By Machine Post Hole In Soil	16.51	
31 23 16 16-0008	VLF	8" Diameter Hole, Auger By Machine Post Hole In Soil	18.16	
31 23 16 16-0009	VLF	10" Diameter Hole, Auger By Machine Post Hole In Soil	20.18	
31 23 16 16-0010	VLF	12" Diameter Hole, Auger By Machine Post Hole In Soil	22.70	
31 23 16 16-0011	VLF	18" Diameter Hole, Auger By Machine Post Hole In Soil	25.95	
31 23 16 16-0012	VLF	24" Diameter Hole, Auger By Machine Post Hole In Soil	30.28	
31 23 16 16-0013	VLF	30" Diameter Hole, Auger By Machine Post Hole In Soil	36.33	
31 23 16 16-0014	VLF	36" Diameter Hole, Auger By Machine Post Hole In Soil	45.41	
31 23 16 16-0015		Drilling Post Hole In Rock *(31 23 16 16-0001)*		
31 23 16 16-0016	CF	Jackhammer Post Hole, Rock	77.54	
31 23 16 16-0017	CF	Rock Drill Post Hole, Rock	21.08	
31 23 16 16-0018		Post Hole Fill *(31 23 16 16-0001)*		
31 23 16 16-0019		Concrete Fill *(31 23 16 16-0018)*		
31 23 16 16-0020	VLF	Concrete Fill, Up To 2-1/2" Diameter Hole	6.27	
31 23 16 16-0021	VLF	Concrete Fill, 2-1/2" Diameter Hole	8.04	
31 23 16 16-0022	VLF	Concrete Fill, 3" Diameter Hole	8.87	
31 23 16 16-0023	VLF	Concrete Fill, 4" Diameter Hole	10.23	
31 23 16 16-0024	VLF	Concrete Fill, 6" Diameter Hole	14.46	
31 23 16 16-0025	VLF	Concrete Fill, 8" Diameter Hole	19.31	
31 23 16 16-0026	VLF	Concrete Fill, 10" Diameter Hole	23.63	
31 23 16 16-0027	VLF	Concrete Fill, 12" Diameter Hole	27.57	
31 23 16 16-0028	VLF	Concrete Fill, 18" Diameter Hole	37.69	
31 23 16 16-0029	VLF	Concrete Fill, 24" Diameter Hole	46.88	
31 23 16 16-0030	VLF	Concrete Fill, 30" Diameter Hole	55.86	
31 23 16 16-0031	VLF	Concrete Fill, 36" Diameter Hole	65.19	
31 23 16 16-0032		Grout Fill *(31 23 16 16-0018)*		
31 23 16 16-0033	VLF	Grout Fill, Up To 2-1/2" Diameter Hole	7.39	
31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole	9.50	
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole	10.38	
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole	11.70	
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole	16.37	
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole	21.86	
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole	26.65	
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole	30.95	
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole	41.53	
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole	50.88	
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole	59.94	
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole	69.25	
31 23 16 16-0045		Earth Fill, Compacted *(31 23 16 16-0018)*		
31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole	5.14	
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole	6.69	
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole	7.00	
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole	7.20	
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole	9.62	
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole	12.83	
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole	15.40	
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole	17.45	
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole	21.27	
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole	23.87	
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole	26.18	
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole	28.23	
31 23 16 26		**Rock Removal** *(31 23 16)*		
31 23 16 26-0001		Rock Breaking By Machine *(31 23 16 26)* Note: Excludes excavation of broken-up rock.		
31 23 16 26-0002	CY	Rock Breaking By Machine, Soft Sedimentary (Shale, Sandstone, Limestone) Rocks	29.52	
31 23 16 26-0003	CY	Rock Breaking By Machine, Medium Metamorphic (Slate) Rock	31.49	
31 23 16 26-0004	CY	Rock Breaking By Machine, Hard Igneous (Granite, Basalt) Rock	37.39	
31 23 16 33		**Bulk Excavation** *(31 23 16)* Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for less than 500 CY excavation.		
31 23 16 33-0001		Excavation *(31 23 16 33)* Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil	11.55	
		For Excavation In Light Material (Class A), Deduct	*-1.44*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.62*	
		For >1,000, Deduct	*-1.73*	
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil	6.28	
		For Excavation In Light Material (Class A), Deduct	*-0.79*	
		For Excavation In Heavy/Wet Material (Class C), Add	*2.51*	
		For >1,000, Deduct	*-0.94*	
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock Note: Includes compacted aggregate	14.22	
		For >1,000, Deduct	*-2.13*	
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock Note: Includes compacted aggregate	7.72	
		For >1,000, Deduct	*-1.16*	
31 23 16 33-0006		Spreading, Shaping And Rough Grading *(31 23 16 33)* Note: Imported or stockpiled material for bulk excavation.		
31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine	7.13	
		For >1,000, Deduct	*-1.07*	
31 23 16 33-0008		Cutting, Shaping and Rough Grading Of Existing Elevations *(31 23 16 33)*		
31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk Excavation by Machine	7.92	
		For >1,000, Deduct	*-1.19*	
31 23 16 33-0010		Relocating On Site Excavated Material From Excavation *(31 23 16 33)* Note: For bulk excavation.		
31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'	6.34	
		For >1,000, Deduct	*-0.95*	
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'	9.51	
		For >1,000, Deduct	*-1.43*	
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'	14.27	
		For >1,000, Deduct	*-2.14*	
31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000'	19.01	
		For >1,000, Deduct	*-2.85*	
31 23 16 33-0015		Finish Grading For Bulk Excavation *(31 23 16 33)*		
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine	0.79	
31 23 16 33-0017		Compaction Of Fill Or Subbase, Per Lift *(31 23 16 33)* Note: For bulk excavation.		
31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine Note: Per Lift	0.80	
31 23 16 33-0019		Loading Excess Material For Removal From Excavation *(31 23 16 33)* Note: For bulk excavation. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0048 for hauling.		
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation	6.30	
		For >1,000, Deduct	*-0.95*	
31 23 16 36		**Excavation for Building Foundations and Other Structures** ***(31 23 16)*** Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.		
31 23 16 36-0001		Excavation *(31 23 16 36)* Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.		
31 23 16 36-0002		Excavation For Building Foundations And Other Structures By Skid-Steer Loader *(31 23 16 36-0001)*		
31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil	10.31	
		For Excavation In Light Material (Class A), Deduct	*-1.29*	
		For Excavation In Heavy/Wet Material (Class C), Add	*4.12*	
		For Up To 20, Add	*10.31*	
		For >20 To 50, Add	*7.73*	
		For >50 To 250, Add	*4.12*	
		For >250 To 500, Add	*1.55*	
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock Note: Includes compacted aggregate	12.80	
		For Up To 20, Add	*12.80*	
		For >20 To 50, Add	*9.60*	
		For >50 To 250, Add	*5.12*	
		For >250 To 500, Add	*1.92*	
31 23 16 36-0005		Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader *(31 23 16 36-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil	7.54	
		For Excavation In Light Material (Class A), Deduct	*-0.94*	
		For Excavation In Heavy/Wet Material (Class C), Add	*3.02*	
		For Up To 20, Add	*7.54*	
		For >20 To 50, Add	*5.66*	
		For >50 To 250, Add	*3.02*	
		For >250 To 500, Add	*1.13*	
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock Note: Includes compacted aggregate	8.97	
		For Up To 20, Add	*8.97*	
		For >20 To 50, Add	*6.73*	
		For >50 To 250, Add	*3.59*	
		For >250 To 500, Add	*1.35*	
31 23 16 36-0008		Excavation For Building Foundations And Other Structures By Hand *(31 23 16 36-0001)* Note: For areas not accessible by machine and only with owner's approval.		
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil	138.56	
		For Excavation In Light Material (Class A), Deduct	*-17.32*	
		For Excavation In Heavy/Wet Material (Class C), Add	*55.42*	
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock Note: Includes compacted aggregate	237.68	
31 23 16 36-0011		Relocating On Site Excavated Stockpiled Material From Excavation *(31 23 16 36)* Note: For building foundations and other structures.		
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300'	6.34	
		For Up To 20, Add	*6.34*	
		For >20 To 50, Add	*4.76*	
		For >50 To 250, Add	*2.54*	
		For >250 To 500, Add	*0.95*	
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500'	9.51	
		For Up To 20, Add	*9.51*	
		For >20 To 50, Add	*7.13*	
		For >50 To 250, Add	*3.80*	
		For >250 To 500, Add	*1.43*	
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000'	14.27	
		For Up To 20, Add	*14.27*	
		For >20 To 50, Add	*10.70*	
		For >50 To 250, Add	*5.71*	
		For >250 To 500, Add	*2.14*	
31 23 16 36-0015	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	19.01	
		For Up To 20, Add	*19.01*	
		For >20 To 50, Add	*14.26*	
		For >50 To 250, Add	*7.60*	
		For >250 To 500, Add	*2.85*	
31 23 16 36-0016		Backfilling *(31 23 16 36)* Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY	Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	5.08	
		For Up To 20, Add	*5.08*	
		For >20 To 50, Add	*3.81*	
		For >50 To 250, Add	*2.03*	
		For >250 To 500, Add	*0.76*	
31 23 16 36-0018	CY	Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	5.83	
		For Up To 20, Add	*5.83*	
		For >20 To 50, Add	*4.37*	
		For >50 To 250, Add	*2.33*	
		For >250 To 500, Add	*0.87*	
31 23 16 36-0019	CY	Backfilling Around Building Foundations And Other Structures By Hand	65.98	
31 23 16 36-0020		Compaction Of Fill Or Subbase *(31 23 16 36)* Note: For building foundations and other structures.		
31 23 16 36-0021	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, etc.	12.73	
		For Up To 20, Add	*12.73*	
		For >20 To 50, Add	*9.55*	
		For >50 To 250, Add	*5.09*	
		For >250 To 500, Add	*1.91*	
31 23 16 36-0022	CY	Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	43.41	
31 23 16 36-0023		Grading For Building Foundations And Other Structures *(31 23 16 36)*		
31 23 16 36-0024	SY	Rough Grading For Building Foundations And Other Structures by Machine	1.36	
31 23 16 36-0025	SY	Finish Grading For Building Foundations And Other Structures by Machine	2.20	
31 23 16 36-0026	SY	Finish Grading For Building Foundations And Other Structures by Hand	12.83	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0027			Loading Excess Material For Removal From Excavation *(31 23 16 36)* Note: For building foundations and other structures. Includes handwork by laborer for cleanup. Not to be used when excavated material can be loaded directly into truck instead of stockpiling. See CSI section 01 74 19 00-0048 for hauling.		
31 23 16 36-0028		CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	6.57	
			For Up To 20, Add	*6.57*	
			For >20 To 50, Add	*4.93*	
			For >50 To 250, Add	*2.63*	
			For >250 To 500, Add	*0.99*	
31 23 16 36-0029		CY	Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	101.60	
31 23 16 36-0030			Spread Excess Or Imported Material And Grade On Site *(31 23 16 36)* Note: For building foundations and other structures.		
31 23 16 36-0031		CY	Spread Excess Or Imported Material And Rough Grade On Site By Machine	3.69	
			For Up To 20, Add	*3.69*	
			For >20 To 50, Add	*2.77*	
			For >50 To 250, Add	*1.48*	
			For >250 To 500, Add	*0.55*	
31 23 16 36-0032		CY	Spread Excess Or Imported Material And Rough Grade On Site By Hand	56.07	

31 23 19 Dewatering *(31 23)*

31 23 19 00-0001			Well Point Dewatering System *(31 23 19)*		
31 23 19 00-0002			Delivery, Installation And Removal Cost *(31 23 19 00-0001)* Note: Priced by linear foot of header used.		
31 23 19 00-0003		LF	Up To 100' In Length Well Point System Delivery, Installation And Removal	142.96	
31 23 19 00-0004		LF	>100' To 250' In Length Well Point System Delivery, Installation And Removal	78.63	
31 23 19 00-0005		LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	71.48	
31 23 19 00-0006		LF	>250' To 500' In Length Well Point System Delivery, Installation And Removal	64.33	
31 23 19 00-0007		LF	>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	57.18	
31 23 19 00-0008		LF	>1,000' In Length Well Point System Delivery, Installation And Removal	50.03	
31 23 19 00-0009			Well Point Dewatering System Rental *(31 23 19 00-0001)* Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200' of header for four days - quantity should be 200'x4 or 800'). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010		LFD	Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	2.28	
			For >5 Days And <1 Month, Deduct	*-0.50*	
			For >1 Month, Deduct	*-0.64*	
31 23 19 00-0011		LFD	>100' To 250' In Length Well Point System Rental (LF x Days = Quantity)	1.33	
			For >5 Days And <1 Month, Deduct	*-0.29*	
			For >1 Month, Deduct	*-0.37*	
31 23 19 00-0012		LFD	>250' To 500' In Length Well Point System Rental (LF x Days = Quantity)	0.95	
			For >5 Days And <1 Month, Deduct	*-0.21*	
			For >1 Month, Deduct	*-0.27*	
31 23 19 00-0013		LFD	>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.70	
			For >5 Days And <1 Month, Deduct	*-0.15*	
			For >1 Month, Deduct	*-0.20*	
31 23 19 00-0014		LFD	>1,000' In Length Well Point System Rental (LF x Days = Quantity)	0.63	
			For >5 Days And <1 Month, Deduct	*-0.14*	
			For >1 Month, Deduct	*-0.18*	
31 23 19 00-0015			Well Point Dewatering System Operation Costs *(31 23 19 00-0001)* Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016		HR	Operation Costs	124.42	

31 23 23 Fill *(31 23)*

31 23 23 23 Compaction *(31 23 23)*

31 23 23 23-0001			Compaction Water, Water Truck And Operator *(31 23 23 23)*		
31 23 23 23-0002		MGL	Compaction Water, Water Truck And Operator Note: Use this task in situations where earth fill, base material, etc. requires additional moisture to comply with the compaction specification. Includes delivery up to 15 miles. (Per each 1,000 gallons of water)	291.62	

31 23 23 33 Flowable Fill *(31 23 23)*

31 23 23 33-0001			Flowable Fill (Fly Ash) Cement Backfill For Trenches *(31 23 23 33)* Note: Includes compaction and restoration of final grade.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 23 33-0002	CY	Flowable Fill (Fly Ash) Cement Backfill for Trenches	150.35	
		For Up To 20, Add	*61.64*	
		For >20 To 50, Add	*39.99*	
		For >50 To 250, Add	*20.00*	
		For >500 To 1,000, Deduct	*-10.82*	
		For >1,000, Deduct	*-21.65*	

31 24 Embankments *(31 20)*

31 24 13 Roadway Embankments *(31 24)*

31 24 13 00-0001 Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations *(31 24 13)*

Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY.

31 24 13 00-0002 Cutting, Shaping And Rough Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.

31 24 13 00-0003 Cutting, Shaping, And Rough Grading *(31 24 13 00-0002)*

31 24 13 00-0004	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil	7.92	
		For Up To 20, Add	*7.92*	
		For >20 To 50, Add	*5.94*	
		For >50 To 250, Add	*3.17*	
		For >250 To 500, Add	*1.19*	
		For >1,000, Deduct	*-1.19*	
31 24 13 00-0005	CY	Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock Note: Includes compacted aggregate	9.82	
		For Up To 20, Add	*9.82*	
		For >20 To 50, Add	*7.37*	
		For >50 To 250, Add	*3.93*	
		For >250 To 500, Add	*1.47*	
		For >1,000, Deduct	*-1.47*	

31 24 13 00-0006 Cutting, Shaping, And Rough Grading By Hand *(31 24 13 00-0002)*

31 24 13 00-0007	SY	Shape Embankment/Slope By Hand Up To 1 On 4 Slope	7.10
31 24 13 00-0008	SY	Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope	9.24

31 24 13 00-0009 Scarify Soil *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0010	CSF	Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine	7.34	
		For Up To 20, Add	*3.67*	
		For >20 To 50, Add	*1.84*	
		For >250 To 500, Deduct	*-0.73*	
		For >500, Deduct	*-1.47*	

31 24 13 00-0011 Relocating On Site Excavated Material *(31 24 13 00-0001)*

31 24 13 00-0012	CY	>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	14.27	
		For Up To 20, Add	*14.27*	
		For >20 To 50, Add	*10.70*	
		For >50 To 250, Add	*5.71*	
		For >250 To 500, Add	*2.14*	
		For >1,000, Deduct	*-2.14*	
31 24 13 00-0013	CY	>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine	19.01	
		For Up To 20, Add	*19.01*	
		For >20 To 50, Add	*14.26*	
		For >50 To 250, Add	*7.60*	
		For >250 To 500, Add	*2.85*	
		For >1,000, Deduct	*-2.85*	

31 24 13 00-0014 Spread And Shape Imported Or Stockpiled Material *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.

31 24 13 00-0015	CY	Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine	8.72	
		For Up To 20, Add	*8.72*	
		For >20 To 50, Add	*6.54*	
		For >50 To 250, Add	*3.49*	
		For >250 To 500, Add	*1.31*	
		For >1,000, Deduct	*-1.31*	

31 24 13 00-0016 Grading *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine.

31 24 13 00-0017	SY	Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	0.86	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 24 13 00-0018	SY	Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine	1.15	
31 24 13 00-0019	LF	Finish Grade For Curb	1.29	
31 24 13 00-0020	LF	Finish Grade For Curb And Gutter	1.58	

31 24 13 00-0021 Compaction Of Fill Or Subbase *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine, per lift.

31 24 13 00-0022	SY	Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift	0.80	
		For Up To 250, Add	*0.80*	
		For >250 To 500, Add	*0.60*	
		For >500 To 1,000, Add	*0.32*	
		For >5,000, Deduct	*-0.12*	

31 24 13 00-0023 Loading Excess Material For Removal From Excavation *(31 24 13 00-0001)*

Note: For roadways, parking areas, landscaping and embankments by machine. Includes handwork by laborer for cleanup.

31 24 13 00-0024	CY	Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine	6.30	
		For Up To 20, Add	*6.30*	
		For >20 To 50, Add	*4.73*	
		For >50 To 250, Add	*2.52*	
		For >250 To 500, Add	*0.95*	
		For >1,000, Deduct	*-0.95*	

31 25 Erosion and Sedimentation Controls *(31 20)*

31 25 14 Stabilization Measures for Erosion and Sedimentation Control *(31 25)*

31 25 14 13 Hydraulically-Applied Erosion Control *(31 25 14)*

31 25 14 13-0001 Bonded Fiber Matrix *(31 25 14 13)*

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied	65.27
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied	59.90
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied	55.35
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied	52.76

31 25 14 16 Rolled Erosion Control Mats and Blankets *(31 25 14)*

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats *(31 25 14 16)*

31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty *(31 25 14 16-0001)*

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	3.30
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	4.28
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Excelsior	3.13
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket Note: As manufactured by American Green.	3.30
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting	2.92

31 25 14 16-0008 Erosion Control Blankets, Intermediate Duration *(31 25 14 16-0001)*

31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	4.26
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	5.79
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural Note: As manufactured by American Excelsior.	3.54
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green Note: As manufactured by American Excelsior.	3.71
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket Note: As manufactured by American Excelsior.	3.97

31 25 14 16-0014 Turf Reinforcement Mats (TRM) *(31 25 14 16-0001)*

Note: Permanent, UV stabilized.

31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat Note: 100% synthetic, UV stabilized, two layer netting.	15.01
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	13.80
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat Note: As manufactured by American Excelsior, 100% recycled	17.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 25 14 16-0018 Jute Mesh Erosion Control Blankets *(31 25 14 16-0001)*

31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave	4.83	

31 25 14 16-0020 Revegetation Mat *(31 25 14 16-0001)*

31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.72	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber Note: Polypropylene fibers positioned between two high strength biaxial oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.79	

31 25 14 16-0023 Erosion Control Rolls *(31 25 14 16-0001)*

31 25 14 16-0024	SY	Erosion Control Rolls, Mirafi 140N	2.47	
31 25 14 16-0025	SY	Erosion Control Rolls, Amoco 4547	2.52	

31 25 14 23 Stabilization Measures for Erosion Control *(31 25 14)*

See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 25 14 23-0001 Sand Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0002	BAG	50 Lb. Capacity Sand Bag With Sand	6.89	2.92
		For >2,500 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.27*	
31 25 14 23-0003	BAG	75 Lb. Capacity Sand Bag With Sand	8.88	3.63
		For >2,500 To 5,000, Deduct	*-0.73*	
		For >5,000, Deduct	*-1.61*	
31 25 14 23-0004	BAG	100 Lb. Capacity Sand Bag With Sand	11.21	4.34
		For >2,500 To 5,000, Deduct	*-0.87*	
		For >5,000, Deduct	*-1.99*	
31 25 14 23-0005	BAG	125 Lb. Capacity Sand Bag With Sand	13.78	5.42
		For >2,500 To 5,000, Deduct	*-1.09*	
		For >5,000, Deduct	*-2.46*	
31 25 14 23-0006	BAG	150 Lb. Capacity Sand Bag With Sand	16.78	6.50
		For >2,500 To 5,000, Deduct	*-1.30*	
		For >5,000, Deduct	*-2.98*	
31 25 14 23-0007	BAG	175 Lb. Capacity Sand Bag With Sand	19.57	7.40
		For >2,500 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-3.44*	
31 25 14 23-0008	BAG	2,000 Lb. Capacity Sand Bag With Sand	158.60	51.82
		For >2,500 To 5,000, Deduct	*-9.64*	
		For >5,000, Deduct	*-25.50*	
31 25 14 23-0009	BAG	3,000 Lb. Capacity Sand Bag With Sand	203.76	57.01
		For >2,500 To 5,000, Deduct	*-10.61*	
		For >5,000, Deduct	*-30.99*	

31 25 14 23-0010 Gravel Bags *(31 25 14 23)*

Note: Bags filled on site with delivered material. Includes material and placement of bags.

31 25 14 23-0011	BAG	30 Lb. Capacity Gravel Bag With Gravel	6.43	1.94
		For >2,500 To 5,000, Deduct	*-0.39*	
		For >5,000, Deduct	*-1.03*	
31 25 14 23-0012	BAG	50 Lb. Capacity Gravel Bag With Gravel	11.62	2.92
		For >2,500 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.75*	

31 25 14 23-0013 Floating Turbidity Curtain *(31 25 14 23)*

Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6" x 6", 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft. buoyancy in saltwater.

31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	27.63	
		For Type 1, Deduct	*-4.23*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.58*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.13*	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	29.94	
		For Type 1, Deduct	*-4.66*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-2.84*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.44*	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	33.12	
		For Type 1, Deduct	*-5.28*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.21*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*3.90*	
31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	35.84	
		For Type 1, Deduct	*-5.79*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.52*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.28*	
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	37.61	
		For Type 1, Deduct	*-6.07*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.69*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	39.39	
		For Type 1, Deduct	*-6.35*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-3.87*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.70*	
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	41.46	
		For Type 1, Deduct	*-6.69*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*4.95*	
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	44.28	
		For Type 1, Deduct	*-7.20*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.38*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.32*	
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	46.53	
		For Type 1, Deduct	*-7.57*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.61*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.59*	
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	49.53	
		For Type 1, Deduct	*-8.10*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-4.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*5.99*	
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	52.34	
		For Type 1, Deduct	*-8.58*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.22*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.34*	
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	55.06	
		For Type 1, Deduct	*-9.03*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-5.50*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*6.68*	
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	59.90	
		For Type 1, Deduct	*-9.97*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.07*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.37*	
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	62.82	
		For Type 1, Deduct	*-10.45*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.36*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*7.72*	
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	65.65	
		For Type 1, Deduct	*-10.90*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.63*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.05*	
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	68.65	
		For Type 1, Deduct	*-11.38*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-6.93*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.41*	
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain	71.57	
		For Type 1, Deduct	*-11.83*	
		For 13 Oz PVC Fabric, Type 2, Deduct	*-7.20*	
		For 22 Oz PVC Fabric, Type 2 Heavy-Duty, Add	*8.74*	

31 25 14 23-0031 Turbidity Curtain Anchors *(31 25 14 23)*

31 25 14 23-0032	EA	14 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	736.61
31 25 14 23-0033	EA	25 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,009.11
31 25 14 23-0034	EA	40 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,282.79
31 25 14 23-0035	EA	65 Lb., Turbidity Curtain Anchor System Note: Includes anchor, anchor chain, and marker buoy and rope.	1,676.95

31 25 14 23-0036 Filter Bags *(31 25 14 23)*

31 25 14 23-0037 Non-Woven Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag	257.44
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag	372.53
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag	428.28

31 25 14 23-0041 Monofilament Filter Bags *(31 25 14 23-0036)*

31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag	267.67
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag	370.61

31 25 14 23-0044 Cable Articulating Concrete Block *(31 25 14 23)*

Note: 4000 PSI Compressive strength, 12 Lbs./CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill	42.31	
		For Up To 500, Add	*9.64*	
		For >500 To 1,000, Add	*5.41*	
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill	48.18	
		For Up To 500, Add	*10.92*	
		For >500 To 1,000, Add	*6.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill	54.93	
		For Up To 500, Add	*12.40*	
		For >500 To 1,000, Add	*6.91*	
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill	61.86	
		For Up To 500, Add	*13.95*	
		For >500 To 1,000, Add	*7.76*	
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block	45.12	
		For Up To 500, Add	*10.21*	
		For >500 To 1,000, Add	*5.69*	
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block	51.54	
		For Up To 500, Add	*11.60*	
		For >500 To 1,000, Add	*6.44*	
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block	58.91	
		For Up To 500, Add	*13.20*	
		For >500 To 1,000, Add	*7.31*	
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block	66.42	
		For Up To 500, Add	*14.86*	
		For >500 To 1,000, Add	*8.22*	

31 25 14 26 Stabilization Measures for Sedimentation Control *(31 25 14)*

31 25 14 26-0001 Silt Fences And Dike Barriers *(31 25 14 26)*

Note: Includes stakes and embedding.

31 25 14 26-0002 Silt Fences 2' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0003	LF	2' High Silt Fence with Stakes at 4' On Center	5.05
31 25 14 26-0004	LF	2' High Silt Fence with Stakes at 6' On Center	3.90
31 25 14 26-0005	LF	2' High Silt Fence with Stakes at 8' On Center	2.73
31 25 14 26-0006	LF	2' High Silt Fence with Stakes at 10' On Center	2.32

31 25 14 26-0007 Silt Fences 3' High *(31 25 14 26-0001)*

See CSI section 31 25 14 26-0014 for removal of silt fence.

31 25 14 26-0008	LF	3' High Silt Fence with Stakes at 4' On Center	5.98
31 25 14 26-0009	LF	3' High Silt Fence with Stakes at 6' On Center	4.63
31 25 14 26-0010	LF	3' High Silt Fence with Stakes at 8' On Center	3.22
31 25 14 26-0011	LF	3' High Silt Fence with Stakes at 10' On Center	2.63

31 25 14 26-0012 Silt Dike Barrier *(31 25 14 26-0001)*

31 25 14 26-0013	LF	Silt Dike Barrier With Stakes	3.95

31 25 14 26-0014 Silt Fences Removal *(31 25 14 26-0001)*

31 25 14 26-0015	LF	Removal Of Silt Fence And Stakes	0.92

31 25 14 26-0016 Hay And Straw Bales *(31 25 14 26)*

Note: Includes trench for placement, and stakes.

31 25 14 26-0017	LF	Place Sterilized Straw Bales	5.56
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0020 for removal of straw bale.	
31 25 14 26-0018	LF	Place Hay Bales	5.11
		Note: Includes securing in ground with stakes. See CSI section 31 25 14 26-0020 for removal of hay bale.	
31 25 14 26-0019	EA	Place And Remove Hay Bales, Includes Securing In Ground With Stakes	15.31
31 25 14 26-0020	LF	Removal Of Hay Or Straw Bales	1.65
		Note: Includes removal of stakes.	

31 25 14 26-0021 Sediment Logs (Degradable) *(31 25 14 26)*

31 25 14 26-0022 Sediment Logs (Degradable) *(31 25 14 26-0021)*

Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.

31 25 14 26-0023	LF	9" Sediment Fiber Roll Log	6.11
31 25 14 26-0024	LF	12" Sediment Fiber Roll Log	7.04
31 25 14 26-0025	LF	20" Sediment Fiber Roll Log	10.66

31 25 14 26-0026 Wattles (Degradable) With UV Stabilized Synthetic Netting *(31 25 14 26-0021)*

Note: Includes trench for placement, 24" wood staking at 4' on-center

31 25 14 26-0027	EA	Wattles (Sterile Straw Filled Rolls), 8" x 25'	120.67
31 25 14 26-0028	EA	Wattles (Sterile Straw Filled Rolls), 9" x 25'	125.93
31 25 14 26-0029	EA	Wattles (Sterile Straw Filled Rolls), 12" x 20'	132.00
31 25 14 26-0030	EA	Wattles (Sterile Straw Filled Rolls), 20" x 10'	136.86

31 25 14 26-0031 Fiber Roll (CALTRANS Type 1) *(31 25 14 26)*

Note: Includes furrow trench for placement, 24" wood staking at 4' on-center

31 25 14 26-0032	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.54	
		For >1,000 To 10,000, Deduct	*-0.80*	
		For >10,000, Deduct	*-1.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 26-0033	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	6.80	
		For >1,000 To 10,000, Deduct	*-0.82*	
		For >10,000, Deduct	*-1.38*	
31 25 14 26-0034	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 1	8.78	
		For >1,000 To 10,000, Deduct	*-0.98*	
		For >10,000, Deduct	*-1.65*	
31 25 14 26-0035		Fiber Roll (CALTRANS Type 2) *(31 25 14 26)*		
		Note: Includes 24" wood stakes at 2' on-center off-set on sides with ropes.		
31 25 14 26-0036	LF	8" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.14	
		For >1,000 To 10,000, Deduct	*-0.59*	
		For >10,000, Deduct	*-1.00*	
31 25 14 26-0037	LF	9" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	5.58	
		For >1,000 To 10,000, Deduct	*-0.63*	
		For >10,000, Deduct	*-1.07*	
31 25 14 26-0038	LF	12" Diameter Fiber Roll, (Sterile Straw Filled Rolls, With Natural Fiber Wrapping), CALTRANS Type 2	6.92	
		For >1,000 To 10,000, Deduct	*-0.70*	
		For >10,000, Deduct	*-1.19*	
31 25 14 26-0039		Inlet Protection Sediment Bags *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0040	EA	2' x 2' x 3' Inlet Protection Sediment Bag	68.95	
31 25 14 26-0041	EA	2' x 3' x 3' Inlet Protection Sediment Bag	80.17	
31 25 14 26-0042	EA	2' x 4' x 3' Inlet Protection Sediment Bag	87.88	
31 25 14 26-0043		Clean Sediment Logs/Wattles *(31 25 14 26)*		
		Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0044	EA	Clean Sediment Logs/Wattles	92.38	

31 30 Earthwork Methods *(31)*

31 31 Soil Treatment *(31 30)*

31 31 16 Termite Control *(31 31)*

31 31 16 13 Chemical Termite Control *(31 31 16)*

31 31 16 13-0001		Commercial Use *(31 31 16 13)*		
31 31 16 13-0002	SF	Termite Pretreatment, Commercial Soil Poisoning Under Slab	0.96	
31 31 16 13-0003	SF	Termite Pretreatment, Commercial Slab And Walls	1.36	
31 31 16 13-0004		Residential Use *(31 31 16 13)*		
31 31 16 13-0005	SF	Termite Pretreatment, Residential General Spraying Walls And Slab	1.42	
31 31 16 13-0006	SF	Termite Treatment, Existing Residential Structure	1.55	

31 31 19 Vegetation Control *(31 31)*

31 31 19 13 Chemical Vegetation Control *(31 31 19)*

31 31 19 13-0001		Soil Sterilants *(31 31 19 13)*		
31 31 19 13-0002	MSF	Soil Sterilant	33.92	
		Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
		For >45 To 90, Deduct	*-0.50*	
		For >90 To 225, Deduct	*-2.69*	
		For >225, Deduct	*-3.69*	

31 32 Soil Stabilization *(31 30)*

31 32 13 Soil Mixing Stabilization *(31 32)*

31 32 13 16 Cement Soil Stabilization *(31 32 13)*

31 32 13 16-0001		Soil Cement Course *(31 32 13 16)*		
		Note: Includes soil material, adding and mixing of cement, water and calcium chloride (if required), shaping, finishing and final compaction. Excludes cement, calcium chloride, foundation preparation, compaction water and additional surface treatments.		
31 32 13 16-0002	CY	Compacted Soil Cement Course, Material mixed in Central Plant	86.57	
31 32 13 16-0003	CY	Compacted Soil Cement Course, Material mixed in Traveling Pugmill. Cement	91.22	
31 32 13 16-0004	LB	Cement, Per Unit Of Measure	0.05	
31 32 13 16-0005	LB	Flake Calcium Chloride, Per Unit Of Measure	1.09	
31 32 13 16-0006	EA	Mobilize And Demobilize Traveling Pugmill	150.00	
31 32 13 16-0007		Cementitious Soil Binder *(31 32 13 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 13 16-0008	CY	Cementitious Soil Binder, 4% Cement Mix By Volume	41.87	
31 32 13 16-0009	CY	Cementitious Soil Binder, 6% Cement Mix By Volume	48.06	
31 32 13 16-0010	CY	Cementitious Soil Binder, 9% Cement Mix By Volume	58.25	
31 32 13 16-0011	CY	Cementitious Soil Binder, 12% Cement Mix By Volume	68.29	

31 32 13 19 Lime Soil Stabilization *(31 32 13)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. The price excludes the cost for spreading or backfilling. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 32 13 19-0001 Lime Slurry *(31 32 13 19)*

31 32 13 19-0002	LCY	Soil Stabilization With Lime Slurry 10% Lime Slurry By Volume	36.80	
31 32 13 19-0003	TON	Cement Stabilized Base Material	107.85	
31 32 13 19-0004	CWT	Lime For Soil Stabilization	16.86	
		Note: Excludes the cost for spreading or backfilling		
31 32 13 19-0005	LCY	Roller, Grader - Lime Stabilization	19.14	
31 32 13 19-0006	LCY	Roller, Grader - Cement Stabilization	4.48	

31 32 13 19-0007 Lime Stabilized Subgrade *(31 32 13 19)*

Note: Based on soil weight of 110 Lbs./CF using lime weight of 5.5 Lbs./CF (5%).

31 32 13 19-0008	SY	6" Thick Lime Stabilized Subgrade, 25 Lb.	11.57	
		For 4% Lime Instead Of 5%, Deduct	*-0.30*	
		For 6% Lime Instead Of 5%, Add	*0.30*	
31 32 13 19-0009	SY	7" Thick Lime Stabilized Subgrade, 29 Lb.	13.42	
		For 4% Lime Instead Of 5%, Deduct	*-0.35*	
		For 6% Lime Instead Of 5%, Add	*0.35*	
31 32 13 19-0010	SY	8" Thick Lime Stabilized Subgrade, 33 Lb.	15.32	
		For 4% Lime Instead Of 5%, Deduct	*-0.39*	
		For 6% Lime Instead Of 5%, Add	*0.39*	
31 32 13 19-0011	SY	10" Thick Lime Stabilized Subgrade, 41 Lb./SY	19.13	
		For 4% Lime Instead Of 5%, Deduct	*-0.49*	
		For 6% Lime Instead Of 5%, Add	*0.49*	
		For >5,000 SY, Deduct	*-1.32*	
31 32 13 19-0012	SY	12" Thick Lime Stabilized Subgrade, 50 Lb./SY	22.96	
		For 4% Lime Instead Of 5%, Deduct	*-0.59*	
		For 6% Lime Instead Of 5%, Add	*0.59*	
		For >5,000 SY, Deduct	*-1.59*	
31 32 13 19-0013	SY	14" Thick Lime Stabilized Subgrade, 58 Lb./SY	26.76	
		For 4% Lime Instead Of 5%, Deduct	*-0.69*	
		For 6% Lime Instead Of 5%, Add	*0.69*	
		For >5,000 SY, Deduct	*-1.85*	
31 32 13 19-0014	SY	16" Thick Lime Stabilized Subgrade, 66 Lb./SY	30.59	
		For 4% Lime Instead Of 5%, Deduct	*-0.79*	
		For 6% Lime Instead Of 5%, Add	*0.79*	
		For >5,000 SY, Deduct	*-2.12*	
31 32 13 19-0015	SY	18" Thick Lime Stabilized Subgrade, 74 Lb./SY	34.45	
		For 4% Lime Instead Of 5%, Deduct	*-0.89*	
		For 6% Lime Instead Of 5%, Add	*0.89*	
		For >5,000 SY, Deduct	*-2.38*	

31 32 13 19-0016 Hydrated Lime Stabilized Subgrade *(31 32 13 19)*

Note: Includes scarifying, adding and mixing of hydrated lime and water, light sealing, curing, secondary mixing, shaping, finishing and final compaction. Excludes hydrated lime, foundation preparation, compaction water and additional surface treatments.

31 32 13 19-0017	CY	Compacted Hydrated Lime Stabilized Subgrade	69.38	
31 32 13 19-0018	LB	Hydrated Lime	1.71	

31 32 13 29 Liquid Soil Stabilization *(31 32 13)*

31 32 13 29-0001	GAL	Polyacrylamide And Calcium Solution	2.87	

31 32 19 Geosynthetic Soil Stabilization and Layer Separation *(31 32)*

31 32 19 13 Geogrid Soil Stabilization *(31 32 19)*

31 32 19 13-0001 Geogrid Fabrics *(31 32 19 13)*

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications. Includes stakes.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.43	
		For Up To 50, Add	*1.20*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.20	
		For Up To 50, Add	*1.36*	
		For >50 To 150, Add	*1.01*	
		For >150 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.77	
		For Up To 50, Add	*1.48*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.74	
		For Up To 50, Add	*2.08*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.02*	
		For >250 To 500, Add	*0.51*	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 Lb./FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.15	
		For Up To 50, Add	*2.37*	
		For >50 To 150, Add	*1.76*	
		For >150 To 250, Add	*1.16*	
		For >250 To 500, Add	*0.58*	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.52	
		For Up To 50, Add	*1.22*	
		For >50 To 150, Add	*0.90*	
		For >150 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.30*	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 Lb./FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.14	
		For Up To 50, Add	*1.75*	
		For >50 To 150, Add	*1.30*	
		For >150 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.43*	

31 32 19 16 Geotextile Soil Stabilization *(31 32 19)*

31 32 19 16-0001 Nonwoven Polypropylene Geotextiles *(31 32 19 16)*

Note: For drainage, filtration and separation. Includes stakes.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.69	
		For Up To 50, Add	*0.38*	
		For >50 To 150, Add	*0.28*	
		For >150 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.09*	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.81	
		For Up To 50, Add	*0.41*	
		For >50 To 150, Add	*0.30*	
		For >150 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.10*	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.51	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	2.93	
		For Up To 50, Add	*0.64*	
		For >50 To 150, Add	*0.48*	
		For >150 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.16*	
31 32 19 16-0008	SY	8.0 Ounce/SY, 85 Mil, 205 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS)	3.23	
		For Up To 50, Add	*0.70*	
		For >50 To 150, Add	*0.52*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
31 32 19 16-0009	SY	10 Ounce/SY, 115 Mil, 250 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS)	3.99	
		For Up To 50, Add	*0.85*	
		For >50 To 150, Add	*0.63*	
		For >150 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.21*	
31 32 19 16-0010	SY	16 Ounce/SY, 175 Mil, 425 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Fabric	7.04	
		For Up To 50, Add	*1.46*	
		For >50 To 150, Add	*1.09*	
		For >150 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 19 16-0011 Woven Geotextiles Fabric *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0012	SY	200 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55)	2.45	
		For Up To 50, Add	*0.54*	
		For >50 To 150, Add	*0.40*	
		For >150 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
31 32 19 16-0013	SY	315 Lb. Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66)	3.44	
		For Up To 50, Add	*0.73*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
31 32 19 16-0014	SY	4 To 6% Open Area, 370 x 250 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%)	6.07	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0015	SY	11 To 15% Open Area, 370 x 220 Lb. Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%)	5.92	
		For Up To 50, Add	*1.24*	
		For >50 To 150, Add	*0.92*	
		For >150 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.31*	
31 32 19 16-0016	SY	6.9 Oz./SY, 250 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF)	5.17	
		For Up To 50, Add	*1.09*	
		For >50 To 150, Add	*0.81*	
		For >150 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.27*	
31 32 19 16-0017	SY	9.1 Oz./SY, 333 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF)	5.53	
		For Up To 50, Add	*1.16*	
		For >50 To 150, Add	*0.87*	
		For >150 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.29*	
31 32 19 16-0018	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF)	7.07	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
31 32 19 16-0019	SY	12.1 Oz./SY, 400 Lb./IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF)	10.09	
		For Up To 50, Add	*2.07*	
		For >50 To 150, Add	*1.55*	
		For >150 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.51*	

31 32 19 16-0020 Geomembranes *(31 32 19 16)*

Note: Includes stakes.

31 32 19 16-0021 Polyvinyl Chloride (PVC) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0022	SF	20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.49
31 32 19 16-0023	SF	30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	1.71
31 32 19 16-0024	SF	40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.08
31 32 19 16-0025	SF	50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.50
31 32 19 16-0026	SF	60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	2.86
31 32 19 16-0027	SF	70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.13
31 32 19 16-0028	SF	80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.40
31 32 19 16-0029	SF	90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	3.75
31 32 19 16-0030	SF	100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics)	4.09

31 32 19 16-0031 High-Density Polyethylene (HDPE) Geomembrane *(31 32 19 16-0020)*

31 32 19 16-0032	SF	20 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.13
31 32 19 16-0033	SF	30 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.01
31 32 19 16-0034	SF	40 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.12
31 32 19 16-0035	SF	50 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.59
31 32 19 16-0036	SF	60 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.32
31 32 19 16-0037	SF	80 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.53
31 32 19 16-0038	SF	100 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	1.75
31 32 19 16-0039	SF	120 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.84
31 32 19 16-0040	SF	140 Mil High-Density Polyethylene (HDPE) Membrane (US Fabrics)	2.93

31 32 19 26 Geoweb Cellular Confinement System *(31 32 19)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0001 Geoweb Cellular Confinement System *(31 32 19 26)*

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems)	7.83	
		For >20,000, Deduct	*-0.19*	
		For >2:1 Slope, Add	*1.32*	
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems)	9.55	
		For >20,000, Deduct	*-0.28*	
		For >2:1 Slope, Add	*1.32*	
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems)	11.60	
		For >20,000, Deduct	*-0.38*	
		For >2:1 Slope, Add	*1.32*	

31 32 36 Soil Nailing *(31 32)*

31 32 36 11 Soil Nailing Stabilization *(31 32 36)*

31 32 36 11-0001 Landslide and Slip-Out Stabilization *(31 32 36 11)*

Note: Work shall consist of the Contractor stabilizing identified slides by internally reinforcing the soil mass with reinforcing elements (nails) by using one or more of the installation methods specified in this contract. The Owner will identify locations for work to be performed as specified herein. The Contractor shall review all locations with Owner representatives to determine the method to be used. The Contractor will provide all necessary engineering plans and details required to successfully repair slides as noted. These plans shall be stamped by a registered professional engineer with a current California license who is knowledgeable in the design and implementation of slope stabilization with soil nails and related work. The contractor shall furnish all labor, materials, and equipment required to complete the work. Any necessary installation methods and associated costs are the responsibility of the contractor. The Contractor and the Contractor's Engineer will also warrant the stability of the repaired roadway section for a period of 5 years.

31 32 36 11-0002 BioWall® *(31 32 36 11-0001)*

Note: Furnish and install the BioWall® to integrate with Launched Soil Nails™, SuperNails® or Self Drilling SuperNails®. The BioWall® is a confined soil/compost mass capable of sustaining vegetation at slope angles up to ¼(H):1(V), and is composed of 2 layers of galvanized wire mesh and 2 layers of lightweight geosynthetic encasing a seeded compost and/or topsoil mix, tied to the soil nails by steel plates. Furnish equipment and incidentals necessary to complete the work. BioWall® to soil nail connection details will be determined by the Contractor`s Engineer and identified in the Contractor`s stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0003	SF	BioWall® Construction	25.00	

31 32 36 11-0004 Green Terra Mesh *(31 32 36 11-0001)*

Note: Furnish and install the Green Terra Mesh. Furnish equipment and incidentals necessary to complete the work. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0005	EA	Green Terra Mesh	635.25	

31 32 36 11-0006 GeoSynthetically Confined Soil™ (GCS®) Components *(31 32 36 11-0001)*

Note: Furnish and install geosynthetic reinforcement, backfill and facing element to construct a Geosynthetically Confined Soil Wall™ (GCS®). Designs shall comply with the Design Standards for Geosynthetically Confined Soil Walls (adapted from the NCHRP Report 556 – Design and Construction Guidelines for Geosynthetic – Reinforced Soil Bridge Abutments with a Flexible Facing) noted below. Reinforcement Selection and Placement: Geosynthetic reinforcement shall consist of high-tenacity geotextiles manufactured for soil reinforcement applications. Geotextiles shall not be exposed to sunlight and extreme temperatures for an extended period of time. Damaged or improperly handled geosynthetic reinforcement shall be rejected. Use a woven polypropylene geotextile with ultimate tensile strength of 2,400 lb./ft. (Amoco 2044 or similar) in the cross-machine direction (as per ASTM D4595). The geosynthetic reinforcement perpendicular to the wall face should consist of one continuous piece of material. Overlap of reinforcement in the design strength direction is not permitted. Adjacent sections of geosynthetic reinforcement should be placed so as to ensure that horizontal coverage shown on the plans is provided. Tracked construction equipment shall not be operated directly on the geosynthetic reinforcement. A minimum backfill thickness of 150 mm (6 in.) is required before operation of tracked vehicles over the geosynthetic reinforcement. Turning of tracked vehicles should be kept to a minimum to prevent displacing the fill and damaging or moving the geosynthetic reinforcement. Rubber-tired equipment may pass over the geosynthetic reinforcement at slow speeds less than 17 km/hr. (10 miles/hr.). Sudden braking and sharp turning should be avoided. Backfill Specifications: Structure backfill material should consist of material free from organic or other unsuitable material as determined by the Contractor`s Engineer. Grading of the backfill should be as follows: 100 percent passing 100 mm (4 in.) sieve, 0-60 percent passing No. 40 (0.425 mm) sieve, and 0-15 percent passing No. 200 (0.075mm) sieve; plasticity index (PI) as determined by AASHTO T90, should not exceed 6. The backfill should exhibit an angle of internal friction of not less than 34 degrees, as determined by the standard direct shear test on the portion finer than 2 mm (No.10) sieve, using a sample compacted to 95 percent of AASHTO T-99, Methods C or D, at optimum moisture content. No testing is required for backfills where 80 percent of sizes are greater than 19 mm. The backfill should be substantially free of shale or other soft, poor durability particles and should have an organic content not larger than 1 percent. The backfill should have a pH between 4.5 and 9. Backfill Placement: Reinforced fill should be placed as specified in construction plans in compacted lift thickness of 8in, but in no case in lifts greater than 12in. Reinforced fill should be placed and compacted at or within 2 percent dry of the optimum moisture content. If the reinforced fill is free draining (i.e., with less than 5 percent passing a No. 200 sieve), water content of the fill may be within ±3 percent of the optimum. A minimum density of 90 percent of standard Proctor density is required. Optimum compaction is 100 percent of AASHTO T-99 (or 95 percent of AASHTO T-180) but this may not be possible throughout the wall structure. If significant percentage of the backfill is coarse material (i.e., greater than 30 percent retained on the 19 mm, or 3/4 in., sieve), a procedural specification may be used to verify compaction, (no less than two passes with a conventional vibratory plate compaction equipment). Backfill should be placed, spread, and compacted so as to prevent the development of wrinkles or movement of the geosynthetic reinforcement and the wall facing units. Only hand-operated compaction equipment should be allowed within 0.5 m (1.5 ft) of the front o See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0007	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Construction Note: Installation sold per square face foot (excludes materials)	23.75	
31 32 36 11-0008	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Galvanized Wire Basket Units (approximately 10" x 120")	108.50	
31 32 36 11-0009	EA	GeoSynthetically Confined Soil™ (GCS®) Wall Concrete Masonry Units (approximately 8" x 8" x 16")	6.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0010	SF	GeoSynthetically Confined Soil™ (GCS®) Wall Woven Geotextile	0.75	

31 32 36 11-0011 Turf *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0012 Permanent Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a web of mechanically bonded synthetic fibers that are entangled to form a strong and dimensionally stable mat. Place fibers between 2 or 3 high-strength, biaxial oriented nets mechanically bound together by stitching with polyolefin thread. The netting material must be resistant to biological, chemical, and ultra-violet degradation.

31 32 36 11-0013	SF	Permanent Turf Reinforcement Mat Note: sold per square face foot	1.50	

31 32 36 11-0014 Biodegradable Turf Reinforcing Mat (TRM) *(31 32 36 11-0011)*

Note: Furnish a geotextile composed of seed free processed natural fiber matrix mechanically bound together with 100% degradable binding fiber or netting to form a continuous matrix.

31 32 36 11-0015	SF	Biodegradable Turf Reinforcement Mat Note: sold per square face foot	0.75	

31 32 36 11-0016 Shotcrete or Gunite *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0017 Wet-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a wet-mix. The wet-mix process consists of thoroughly mixing all the ingredients except accelerating admixtures, but including the mixing water, introducing the mixture into the delivery equipment and delivering it, by positive displacement, to the nozzle. Air jet the wet-mix shotcrete from the nozzle at high velocity onto the surface. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, III or V. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Water Clean and Potable. AASHTO M157/ASTM C94 Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C685. Use mixing equipment that thoroughly blends the materials in sufficient quantity to maintain placing continuity. Produce ready mix shotcrete complying

31 32 36 11-0018	SFI	Wet-Mix Reinforced Shotcrete Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	5.50	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 11-0019 Dry-Mix Shotcrete for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

Note: Furnish steel reinforced shotcrete to integrate with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self Drilling SuperMicropiles™ or Self Drilling SuperNails® and complying with the requirements of ACI 506.2, "Specifications for Materials, Proportioning and Application of Shotcrete", except as otherwise specified. Shotcreting consists applying of one or more layers of concrete conveyed through a hose pneumatically projected at a high velocity against a prepared surface. Produce shotcrete by a dry-mix. The dry-mix process consists of thoroughly mixing Portland cement and aggregate (and or synthetic fiber) thoroughly mixed dry, passed through a cement gun and conveyed by air through a flexible tube, hydrated at a nozzle at the end of such flexible tube and deposited by air pressure in its place of final repose. For additional descriptive information, refer to the American Concrete Institute ACI 506R "Guide to Shotcrete." The Contractor's Engineer shall provide all necessary details required to successfully construct the temporary or permanent facing and facing drainage system to satisfy the design intent of the facing. Comply with AASHTO Specifications, or accepted industry standards for any specific items that may not be addressed herein or elsewhere in this Contract Document. Use materials for shotcrete conforming to the following requirements: Cement AASHTO M85/ ASTM C150, Type I, II, or III. Fine Aggregate AASHTO M6/ASTM C33 clean, natural. Coarse Aggregate AASHTO M80, Class B for quality Fiber Reinforcement ASTM C116-00 Water Clean and Potable. AASHTO M157/ASTM C94 and shall be maintained at a uniform pressure which shall be at least 15 pounds per square inch above air pressure at the nozzle. Chemical Admixtures Accelerator Fluid type, applied at nozzle, meeting requirements of AASHTO M194/ASTM C494/ASTM C1141. Water-reducer and Superplastisizer AASHTO M194/ASTM C494 Type A, C, D, E, F, or G Retarders AASHTO M194/ ASTM C494 Type B or D. Mineral Admixtures Fly Ash AASHTO M295/ASTM C618 Type F or C, cement replacement up to 35 percent by weight of cement. Silica Fume ASTM C1240, 90 percent minimum silicon dioxide solids content, not to exceed 12 percent by weight of cement. Welded Wire Fabric AASHTO M55/ASTM A185 or A497. Double twisted hexagonal ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions Prepackaged Shotcrete ASTM C928. PVC Drain Pipes: Pipe ASTM 1785 Schedule 40 PVC, solid and perforated wall, cell classification 12454-B or 12354-C, wall thickness SDR 35, with solvent weld or elastomeric gasket joints. Deliver, store and handle materials to prevent contamination, segregation, corrosion or damage. Store liquid admixtures to prevent evaporation and freezing. Use aggregate for shotcrete meeting the strength and durability requirements of AASHTO M6/M80, as applicable, and the following gradation requirements: Sieve Size Percent Passing by Weight 1/2" 100 3/8" 90-100 No. 4 70-85 No. 8 100 Proportion the shotcrete to be pumpable with the concrete pump furnished for the work, with a cementing materials content of at least 390 kilograms per cubic meter and water/cement ratio not greater than 0.50. Do not use admixtures unless approved by the Contractor's Engineer. Thoroughly mix admixtures into the shotcrete at the rate specified by the manufacturer. Use only accelerators compatible with the cement used, non-corrosive to steel, and not promoting other detrimental effects such as cracking or excessive shrinkage. The maximum allowable chloride ion content of all ingredients is 0.10% when tested to AASHTO T260. Air entrainment is not required for temporary shotcrete construction facings. Provide shotcrete with a design compressive strength of 2000 psi in 3 days and 4000 psi in 28 days. Batch aggregate and cement by weight or by volume in accordance with the requirements of ASTM C94 or AASHTO M241/ASTM C6

31 32 36 11-0020	SFI	Dry-Mix Reinforced Gunite Note: sold per inch thickness over one square face foot of area (includes reinforcing steel).	8.50	

31 32 36 11-0021 Steel Fiber Reinforcement for use with Launched Soil Nails™, SuperNails®, SuperMicropiles™, Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 11-0016)*

31 32 36 11-0022	SFI	Steel Fiber Reinforcement Note: sold per inch thickness over one square face foot of area	1.25	

31 32 36 11-0023 Steel Mesh and Steel Plates for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0001)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 11-0024 Steel Mesh Surface Treatment for use with Launched Soil Nails™, SuperNails® and Self Drilling SuperNails® *(31 32 36 11-0023)*

Note: Furnish Galfan® Coated Steel Mesh for use with Launched Soil Nails™, SuperNails®, or Self Drilling SuperNails® that is a double twisted hexagonal galvanized steel wire mesh manufactured according to ASTM A975-97 guidelines for Double Twisted Hexagonal Mesh Gabions. Alternately, the mesh may be a diamond shaped, three dimensional mesh made with high capacity 3-millimeter diameter wire. Furnish steel plates to connect the mesh to the nail systems described herein. Furnish equipment and incidentals necessary to complete the work. Soil Nail to mesh connection details will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 11-0025	SF	High Capacity Diamond Mesh Note: sold per square face foot	11.00	
31 32 36 11-0026	SF	Double Twist Wire Mesh Note: sold per square face foot	13.75	

31 32 36 11-0027 Steel Plates *(31 32 36 11-0023)*

31 32 36 11-0028	EA	8x8 Galvanized Steel Plates	35.00	
31 32 36 11-0029	EA	10x10 Galvanized Steel Plates	54.75	
31 32 36 11-0030	EA	12x12 Galvanized Steel Plates	78.75	
31 32 36 11-0031	EA	8x8 Epoxy Coated Steel Plates	76.00	
31 32 36 11-0032	EA	10x10 Epoxy Coated Steel Plates	89.25	
31 32 36 11-0033	EA	12x12 Epoxy Coated Steel Plates	105.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 11-0034		**Drilled Horizontal Drains** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0035	LF	Drilled PVC Horizontal Drains (up to 2" Diameter)	26.00	
31 32 36 11-0036	LF	Stripdrain - 6" Wide	3.25	
31 32 36 11-0037	LF	Stripdrain - 12" Wide	4.00	
31 32 36 11-0038	LF	PVC Drain Collector Pipe System	26.75	
31 32 36 11-0039		**Rockfall Stabilization** *(31 32 36 11-0001)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 11-0040	SF	Scaling	3.75	
31 32 36 11-0041	SF	Trim Blasting	155.00	
31 32 36 11-0042	SY	Slope Drape - Double Twist Wire Mesh	45.00	
31 32 36 11-0043	SY	Slope Drape - Cable Net	135.00	
31 32 36 11-0044	SY	Slope Drape - Tecco Mesh (4mm)	135.00	
31 32 36 11-0045	LF	Temporary Rockfall Barrier	500.00	
31 32 36 11-0046	LF	Low Reach Drilling (<25 feet)	25.00	
31 32 36 11-0047	LF	High Reach Drilling (>25 feet)	45.00	
31 32 36 11-0048	LF	Limited Access Drilling	100.00	
31 32 36 11-0049	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Galvanized)	18.50	
31 32 36 11-0050	LF	F&I Rock Dowel - #8 Grade 75 All-Thread Bar (Epoxy Coated)	15.25	
31 32 36 11-0051	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Galvanized)	23.25	
31 32 36 11-0052	LF	F&I Rock Dowel - #8 Grade 150 All-Thread Bar (Epoxy Coated)	17.25	
31 32 36 11-0053	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Galvanized)	23.50	
31 32 36 11-0054	LF	F&I Rock Dowel - #10 Grade 75 All-Thread Bar (Epoxy Coated)	18.75	
31 32 36 11-0055	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Galvanized)	26.50	
31 32 36 11-0056	LF	F&I Rock Dowel - #10 Grade 150 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0057	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Galvanized)	29.25	
31 32 36 11-0058	LF	F&I Rock Dowel - #11 Grade 75 All-Thread Bar (Epoxy Coated)	21.00	
31 32 36 11-0059	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Galvanized)	34.50	
31 32 36 11-0060	LF	F&I Rock Dowel - #11 Grade 150 All-Thread Bar (Epoxy Coated)	31.75	
31 32 36 11-0061	EA	Rock Anchor Testing	825.00	
31 32 36 11-0062		**Mobilization / Demobilization** *(31 32 36 11-0001)*		
31 32 36 11-0063	EA	Mobilization - In State	10,000.00	
31 32 36 11-0064	EA	Mobilization - Out Of State	25,000.00	
31 32 36 11-0065	EA	Mobilization - Specialty Equipment Adder	9,800.00	
31 32 36 11-0066		**Daily Crew Rates (DCR)** *(31 32 36 11-0001)*		
31 32 36 11-0067	DAY	Soils Stabilization Crew - DCR , Per Workday	13,150.00	
31 32 36 11-0068	DAY	Rockfall Stabilization Crew - DCR, Per Workday	15,200.00	
31 32 36 11-0069	DAY	Compaction Grouting Crew - DCR, Per Workday	12,925.00	
31 32 36 11-0070	DAY	Additional Crew Member/Crew - DCR, Per Workday	2,050.00	
31 32 36 11-0071	EA	Out of State Crew Rotation	4,950.00	
31 32 36 11-0072	EA	Spider Excavation	5,500.00	
31 32 36 13		**Driven Soil Nailing** *(31 32 36)*		
31 32 36 13-0001		**Large Diameter Micropiles** *(31 32 36 13)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		
31 32 36 13-0002	LF	5" Micropiles (with up to 5.5" steel casing)	94.50	
31 32 36 13-0003	LF	7" Micropiles (with up to 7.625" steel casing)	130.25	
31 32 36 13-0004	LF	10" Micropiles (with up to 9.625" steel casing)	166.50	
31 32 36 13-0005	LF	12" Micropiles (with up to 11.875" steel casing)	213.25	
31 32 36 16		**Grouted Soil Nailing** *(31 32 36)*		
31 32 36 16-0001		**Grouting** *(31 32 36 16)* Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 32 36 16-0002 Compaction Grouting *(31 32 36 16-0001)*

Note: A. Furnish compaction grout material manufactured on-site (at the project location) in volumetric batching equipment so that grout rheology can be controlled real-time. The grout shall have a slump of 0.50" to 3.0" depending on the specific requirements of the project and shall conform to the engineering plans developed and submitted by the Contractor. Grout components shall consist of Type I/II cement, potable water and aggregate. Fly Ash may be added to the mix per the engineering plans. All aggregate for the compaction grout material shall meet the following requirements: a. 100% passing the 1/2" sieve b. Less than 2% organics c. No bentonite or other clay of medium to high plasticity shall be used. Site conditions and re-leveling requirements shall determine the exact proportions of cement, water and soil. The grout mix shall generally consist of aggregate with up to 12% cement by weight and water to form a very stiff mortar-like mixture. No admixtures shall be used without the Project Manager's approval, and previous testing. Mix design and test results of grout mixture must be submitted and approved by the Project Manager 15 Days prior to the commencement of the work. A. Gradations of the aggregate material to be utilized shall be submitted as part of the submittal process and prior to any work taking place. B. The compaction grouting mixer shall be of a type to ensure complete mixing of the stiff grout, as approved by the Project Manager. The compaction grout mixer shall be of sufficient capacity to continuously deliver grout having a slump of less than 1.5 inches at pressures up to 1,000 psi, at flow rates ranging from 0.1 to 5.0 cubic feet per minute. Gauges shall be provided at the pump and the grout pipe head to measure pressure the rate of flow. Type and location of gauges shall be as specified by the Contractor. A dial gauge or meter capable of measuring to 0.5 cubic feet or less shall be provided to measure the amount of grout pumped into the hole. A pressure gauge shall be graduated in 10-psi increments or less and used to measure the applied pressure. Compaction grout hose shall have a minimum inside diameter of 2 inches with non-restrictive full flow couplings. The hose shall be of sufficient strength for the pressures anticipated, and shall be in good condition.

31 32 36 16-0003	LF	Compaction Grouting Casing Installation	52.75	
31 32 36 16-0004	CF	Compaction Grout Injection for Soils Densification	55.50	
31 32 36 16-0005	CF	Compaction Grout For Void Fill	39.00	

31 32 36 16-0006 Polyurethane Grouting *(31 32 36 16-0001)*

Note: The material shall be a two part 1:1 ratio by volume, polyurethane-forming mixture, having a water insoluble diluent, which permits the formation of polyurethanes in excess water. The material shall reach 90% Compressive strength in 30 minutes such that traffic may be returned to roadway within 30 minutes after last injection of material. Polyurethane Free-rise Physical Properties Property I Units ASTM Minimum Maximum Density - Lbs./CF D 1622 3.0 Lbs./CF 6.0 Lbs./CF Tensile Strength - psi D 1623 80 psi Compressive Strength at Yield Point - psi D 1621 60 psi Furnish equipment and incidentals necessary to complete the work. Polyurethane grout shall not be used for deep injection (deeper than 3' below bottom of structure) or soils densification, it shall only be used for void filling under structures and for re-leveling. The Contractor shall prepare a profile to determine the areas that require void filling and re-leveling and determine the locations of the injection holes for each treated area. The Contractor shall obtain approval for the final proposed grades and the location of injection holes. The Contractor shall submit a plan for approval of the proposed polyurethane injection methods for the designated project areas. The plan shall include, but not be limited to: proposed diameter of casing (if required), depth of placement, angle of inclination, injection tube spacing, and project staging. The plan shall include monitoring procedures to ensure that damage will not occur to any existing structures due to the injection process. Monitoring devices shall be installed on mechanically stabilized earth retaining systems and between approach slabs and approach slab footings or other components to help prevent damage. The Contractor shall drill a pattern of holes as proposed in his plan. The holes shall be located in a manner that the void filling and structure lifting process does not affect any adjoining structures, such as mechanically stabilized earth retaining walls. Holes shall not be drilled within 4" of the edge of the slab, construction joints or major cracks. No more holes shall be drilled and tubes installed during the day than can be filled during that day. On bridge approach and roadway projects, and as applicable, the initial lift shall be at the sleeper footer. The Contractor shall lift the sleeper footer and the approach slab to the desired elevation by injecting material under the structures with care to assure that polyurethane material is not placed between the sleeper footer and the approach slab. The amount of rise shall be controlled by regulating the rate of injection of the high density polyurethane material. When the nozzle is removed from the hole, any excessive polyurethane material shall be removed from the area.

31 32 36 16-0007	LB	Polyurethane Grouting For Void Fill and Re-Leveling	11.50	

31 32 36 19 Corrosion-Protected Soil Nailing *(31 32 36)*

31 32 36 19-0001 Self-Drilling SuperNails® / SuperMicropiles™ *(31 32 36 19)*

Note: Furnish Self-Drilling SuperNails® / SuperMicropiles™ that consist of a hollow, threaded bar with a sacrificial drill bit. Multiple bars may be coupled to produce final length. Bar thread pattern should be continuous and conform to the pullout requirements of ASTM A 615 (Williams Form Engineering B7X or Ischebeck Titan bars, or approved equivalent). R-thread bars, bars/couplers made from high carbon (>0.20%) or high phosphorous (>0.06%) steels, or bars/couplers made from steels that do not meet the tensile ductility requirements of ASTM A 615 shall not be used for any tensile applications. Bar outer diameters shall be a minimum of 1.5 inches and up to and 3 inches depending on design load. Corrosion Protection for Self Drilling Nails shall follow current FHWA guidance. Inserted length and spacing of Self-Drilling SuperNails® / SuperMicropiles™ will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 19-0002 Self-Drilling SuperNails® *(31 32 36 19-0001)*

31 32 36 19-0003	EA	Self Drilling SuperNails® Up To 10 Ft. Length	559.00	
31 32 36 19-0004	EA	Self Drilling SuperNails® Up To 20 Ft. Length	939.25	
31 32 36 19-0005	EA	Self Drilling SuperNails® Up To 30 Ft. Length	1,305.75	
31 32 36 19-0006	EA	Self Drilling SuperNails® Up To 40 Ft. Length	1,735.75	
31 32 36 19-0007	EA	Self Drilling SuperNails® Up To 50 Ft. Length	2,119.75	
31 32 36 19-0008	EA	Self Drilling SuperNails® Up To 60 Ft. Length	2,459.25	
31 32 36 19-0009	EA	Self Drilling SuperNails® Up To 70 Ft. Length	2,879.25	
31 32 36 19-0010	EA	Self Drilling SuperNails® Up To 80 Ft. Length	3,253.50	
31 32 36 19-0011	EA	Additional Cost for 10' High Capacity X-51 Bar	129.50	

31 32 36 19-0012 SuperNail® Testing *(31 32 36 19)*

Note: Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 36 19-0013	EA	SuperNail® Proof Testing	769.00	
31 32 36 19-0014	EA	SuperNail® Verification Testing	2,339.75	

31 32 36 26 Launched Soil Nailing *(31 32 36)*

31 32 36 26-0001 Launched SuperDrain™ (Horizontal Drains) *(31 32 36 26)*

Note: Furnish Launched SuperDrain™ up to 20 feet in length composed of a tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized 36ksi steel (ASTM A513) that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities). Drainage perforations consist of 0.5-inch diameter holes drilled or torch-cut at 6 inch spacing along the distal 5 feet of nail. Every other hole is rotated 90º about the longitudinal axis of the nail. Furnish equipment and incidentals necessary to complete the work. Insert Launched SuperDrain™ with a single stroke at initial velocities in excess of 200 miles per hour. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 26-0002	EA	GalvaDized™ SuperDrain™ - Up To 20'	605.00	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		
31 32 36 26-0003	EA	Fiberglass SuperNail® - Up To 20'	621.50	
		Note: perforated fiberglass tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0004	EA	GalvaDized™ SuperNail® - Up To 20'	478.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length, pressure grouted with #6 epoxy coated inner Bar.		
31 32 36 26-0005	EA	Temporary Launched Soil Nail	379.50	
		Note: bare steel tube up to 20 ft. length.		
31 32 36 26-0006	EA	Fiberglass SuperDrain™	495.00	
		Note: perforated fiberglass tube up to 20 ft. length.		
31 32 36 26-0007	EA	GalvaDized™ SuperDrain™	379.50	
		Note: perforated GalvaDized™ steel tube up to 20 ft. length.		

31 32 36 29 Drilled Soil Nailing *(31 32 36)*

31 32 36 29-0001 Drilled SuperNails® (Permanently Cased Soil Nails) *(31 32 36 29)*

Note: Furnish SuperNails® that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperNails® may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperNail® outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals. Unit Pricing excludes Daily Crew Rates for items See CSI section 31 32 36 11-0066 for Daily Crew Rates (DCR).

31 32 36 29-0002	EA	Drilled GalvaDized™ SuperNail® Up To 10 Ft. Length	602.25	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0003	EA	Drilled GalvaDized™ SuperNail® Up To 20 Ft. Length	693.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0004	EA	Drilled GalvaDized™ SuperNail® Up To 30 Ft. Length	921.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0005	EA	Drilled GalvaDized™ SuperNail® Up To 40 Ft. Length	1,056.00	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0006	EA	Drilled GalvaDized™ SuperNail® Up To 50 Ft. Length	1,171.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0007	EA	Drilled GalvaDized™ SuperNail® Up To 60 Ft. Length	1,376.50	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0008	EA	Drilled GalvaDized™ SuperNail® Up To 70 Ft. Length	1,624.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		
31 32 36 29-0009	EA	Drilled GalvaDized™ SuperNail® Up To 80 Ft. Length	1,872.75	
		Note: GalvaDized™ steel tube, drilled and grouted with #6 epoxy coated inner Bar.		

31 32 36 33 Drilled / Launched Soil Nailing *(31 32 36)*

31 32 36 33-0001 Drilled / Launched SuperMicropiles™ *(31 32 36 33)*

Note: Furnish SuperMicropiles™ that are a three stage construction including installation of (1) an outer tube (1.5 inch outside diameter, 0.120 inch wall thickness hot-dipped galvanized steel tube that is mechanically deformed or GalvaDized™ to produce a plurality of surficial asperities); (2) neat cement grout that completely encases and fills the outer tube; and (3) immediately install an epoxy coated, #6 (or greater) grade 75 thread bar as the inner bar. SuperMicropiles™ may be in lengths up to 60 feet. Although field adjustments in design may be allowed on certain projects (subject to approval by the Contractor's Engineer and the Owner) bidding an equivalent system is not allowed (i.e. the winning bidder must have the ability to install the above system). Furnish equipment and incidentals necessary to complete the work. Insert SuperMicropile™ outer tubes with a single stroke at initial velocities in excess of 200 miles per hour or by drilling a hole to a prescribed depth and inserting the outer tube. Fill the outer tube with neat cement grout and immediately insert a #6 or larger epoxy coated inner thread bar. Inserted length and spacing will be determined by the Contractor's Engineer and identified in the Contractor's stamped plans and submittals.

31 32 36 33-0002	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 20 Ft. Length	695.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0003	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 30 Ft. Length	1,020.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0004	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 40 Ft. Length	1,280.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		
31 32 36 33-0005	EA	Drilled / Launched GalvaDized™ SuperMicropiles™ Up To 50 Ft. Length	1,540.00	
		Note: GalvaDized™ steel tube, grouted with #6 epoxy coated inner Bar.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

31 35 Slope Protection *(31 30)*

31 35 19 Geosynthetic Slope Protection *(31 35)*

31 35 19 19 Slope Protection with Mulch Control Netting *(31 35 19)*

Note: Includes stakes.

31 35 19 19-0001 Erosion Control Fabric *(31 35 19 19)*

31 35 19 19-0002	SY	26.6 Oz./SY Erosion Control Fabric (Belton Industries Geocoir 900)	5.48

31 36 Gabions *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 36 13 Gabion Boxes *(31 36)*

31 36 13 00-0001 Stone Filled Gabion Slope Protection *(31 36 13)*

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection	75.88
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection	89.57
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection	108.05
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection	127.64
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection	149.88
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection	205.14
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection	259.29

31 37 Riprap *(31 30)*

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

31 37 13 Machined Riprap *(31 37)*

31 37 13 00-0001 Random - Filter Stone *(31 37 13)*

31 37 13 00-0002	CY	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	87.42
		For Chinking Material, Add	*14.33*
31 37 13 00-0003	CY	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	102.29
		For Chinking Material, Add	*14.33*
31 37 13 00-0004	CY	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	109.30
		For Chinking Material, Add	*14.33*
31 37 13 00-0005	CY	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	117.28
		For Chinking Material, Add	*14.33*
31 37 13 00-0006	CY	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	123.71
		For Chinking Material, Add	*14.33*
31 37 13 00-0007	CY	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	134.23
31 37 13 00-0008	CY	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	151.93
31 37 13 00-0009	TON	10 To 50 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	57.51
31 37 13 00-0010	TON	>50 To 100 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	66.95
31 37 13 00-0011	TON	>100 To 200 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	71.40
31 37 13 00-0012	TON	>200 To 300 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	76.46
31 37 13 00-0013	TON	>300 To 600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	80.55
31 37 13 00-0014	TON	>600 Lb. Average Pieces Random, Dumped From Truck, Rip Rap	87.30
31 37 13 00-0015	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap	101.71

31 40 Shoring and Underpinning *(31)*

31 41 Shoring *(31 40)*

31 41 13 Timber Shoring *(31 41)*

31 41 13 00-0001 Wood Sheet Piling *(31 41 13)*

31 41 13 00-0002 Pull And Salvage *(31 41 13 00-0001)*

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage	14.72
		For Wood Sheeting Left In Place	*-1.28*
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage	15.92
		For Wood Sheeting Left In Place	*-1.52*
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage	17.24
		For Wood Sheeting Left In Place	*-1.76*
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage	18.68
		For Wood Sheeting Left In Place	*-2.05*
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage	20.23
		For Wood Sheeting Left In Place	*-2.36*
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage	21.92
		For Wood Sheeting Left In Place	*-2.71*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage	23.76	
		For Wood Sheeting Left In Place	*-3.08*	

31 41 16 Sheet Piling *(31 41)*

31 41 16 13 Steel Sheet Piling *(31 41 16)*

31 41 16 13-0001 Standard Carbon Grade Steel Sheeting - Pull And Salvage *(31 41 16 13)*

Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-back (rock bolting) where required and excavation.

31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage	2,357.58	
		For Standard Sheeting Left In Place, Add	*1,258.97*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,211.17*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage	2,452.40	
		For Standard Sheeting Left In Place, Add	*1,211.56*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*1,163.76*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	2,893.26	
		For Standard Sheeting Left In Place, Add	*991.13*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*943.33*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,317.47	
		For Standard Sheeting Left In Place, Add	*779.02*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*731.23*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,567.02	
		For Standard Sheeting Left In Place, Add	*654.25*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*606.45*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage	3,821.55	
		For Standard Sheeting Left In Place, Add	*526.98*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add	*479.19*	
		For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add	*107.55*	
		For High Strength Sheeting 55,000 PSI Grade, Add	*119.50*	
		For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add	*370.44*	
		For Each Additional Month >3 Months, Add	*59.75*	

31 43 Concrete Raising *(31 40)*

31 43 13 Pressure Grouting *(31 43)*

31 43 13 16 Polyurethane Pressure Grouting *(31 43 13)*

31 43 13 16-0001 PolyLift™ Concrete Injection For Lifting And Leveling *(31 43 13 16)*

31 43 13 16-0002	EA	Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge	3,670.63
31 43 13 16-0003	LB	Up To 1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	30.97
31 43 13 16-0004	LB	>1,000 Lb. PolyLift™ Concrete Injection For Lifting And Leveling Note: Per pound of material.	25.95

31 45 Vibroflotation and Densification *(31 40)*

31 45 13 Vibroflotation *(31 45)*

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation	18.73

31 60 Special Foundations and Load-bearing Elements *(31)*

31 62 Driven Piles *(31 60)*

31 62 13 Concrete Piles *(31 62)*

31 62 13 23 Prestressed Concrete Piles *(31 62 13)*

31 62 13 23-0001 Square Prestressed Driven Concrete Piles *(31 62 13 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 13 23-0002	VLF	10" Square Prestressed Driven Concrete Pile	37.06	
		For Piles Driven In Water, Add	*17.94*	
31 62 13 23-0003	VLF	12" Square Prestressed Driven Concrete Pile	46.52	
		For Piles Driven In Water, Add	*20.22*	
31 62 13 23-0004	VLF	14" Square Prestressed Driven Concrete Pile	56.40	
		For Piles Driven In Water, Add	*22.25*	
31 62 13 23-0005	VLF	16" Square Prestressed Driven Concrete Pile	69.11	
		For Piles Driven In Water, Add	*24.70*	
31 62 13 23-0006	VLF	18" Square Prestressed Driven Concrete Pile	83.90	
		For Piles Driven In Water, Add	*27.54*	
31 62 13 23-0007	VLF	20" Square Prestressed Driven Concrete Pile	97.07	
		For Piles Driven In Water, Add	*30.46*	
31 62 13 23-0008	VLF	24" Square Prestressed Driven Concrete Pile	123.84	
		For Piles Driven In Water, Add	*35.03*	

31 62 13 23-0009 Octagonal Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0010	VLF	12" Octagonal Prestressed Driven Concrete Pile	41.64	
		For Piles Driven In Water, Add	*18.81*	
31 62 13 23-0011	VLF	14" Octagonal Prestressed Driven Concrete Pile	51.12	
		For Piles Driven In Water, Add	*20.68*	
31 62 13 23-0012	VLF	16" Octagonal Prestressed Driven Concrete Pile	60.73	
		For Piles Driven In Water, Add	*22.68*	
31 62 13 23-0013	VLF	18" Octagonal Prestressed Driven Concrete Pile	72.62	
		For Piles Driven In Water, Add	*25.06*	
31 62 13 23-0014	VLF	20" Octagonal Prestressed Driven Concrete Pile	77.29	
		For Piles Driven In Water, Add	*26.88*	
31 62 13 23-0015	VLF	24" Octagonal Prestressed Driven Concrete Pile	82.25	
		For Piles Driven In Water, Add	*28.98*	

31 62 13 23-0016 Straight Cylinder Prestressed Driven Concrete Piles *(31 62 13 23)*

31 62 13 23-0017	VLF	12" Diameter, 2-3/8" Wall, Straight Cylinder Prestressed Driven Concrete Pile	59.82	
		For Piles Driven In Water, Add	*19.82*	
31 62 13 23-0018	VLF	14" Diameter, 2-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	70.86	
		For Piles Driven In Water, Add	*21.73*	
31 62 13 23-0019	VLF	16" Diameter, 3" Wall, Straight Cylinder Prestressed Driven Concrete Pile	83.96	
		For Piles Driven In Water, Add	*23.97*	
31 62 13 23-0020	VLF	18" Diameter, 3-1/2" Wall, Straight Cylinder Prestressed Driven Concrete Pile	94.99	
		For Piles Driven In Water, Add	*26.10*	
31 62 13 23-0021	VLF	20" Diameter, 4" Wall, Straight Cylinder Prestressed Driven Concrete Pile	119.35	
		For Piles Driven In Water, Add	*29.73*	
31 62 13 23-0022	VLF	24" Diameter, 5" Wall, Straight Cylinder Prestressed Driven Concrete Pile	147.47	
		For Piles Driven In Water, Add	*33.90*	

31 62 16 Steel Piles *(31 62)*

31 62 16 16 Steel H Piles *(31 62 16)*

31 62 16 16-0001 Rolled, Driven Steel H Piles *(31 62 16 16)*

31 62 16 16-0002	VLF	8" x 8" x 36 Lb./FT, Rolled, Driven Steel H Pile	37.15	
		For Piles Driven In Water, Add	*19.29*	
31 62 16 16-0003	VLF	10" x 10" x 42 Lb./FT, Rolled, Driven Steel H Pile	41.31	
		For Piles Driven In Water, Add	*20.47*	
31 62 16 16-0004	VLF	10" x 10" x 57 Lb./FT, Rolled, Driven Steel H Pile	49.58	
		For Piles Driven In Water, Add	*21.29*	
31 62 16 16-0005	VLF	12" x 12" x 53 Lb./FT, Rolled, Driven Steel H Pile	47.92	
		For Piles Driven In Water, Add	*21.61*	
31 62 16 16-0006	VLF	12" x 12" x 63 Lb./FT, Rolled, Driven Steel H Pile	53.43	
		For Piles Driven In Water, Add	*22.16*	
31 62 16 16-0007	VLF	12" x 12" x 74 Lb./FT, Rolled, Driven Steel H Pile	61.07	
		For Piles Driven In Water, Add	*24.34*	
31 62 16 16-0008	VLF	12" x 12" x 84 Lb./FT, Rolled, Driven Steel H Pile	66.58	
		For Piles Driven In Water, Add	*24.89*	
31 62 16 16-0009	VLF	14" x 14" x 73 Lb./FT, Rolled, Driven Steel H Pile	61.01	
		For Piles Driven In Water, Add	*24.78*	
31 62 16 16-0010	VLF	14" x 14" x 89 Lb./FT, Rolled, Driven Steel H Pile	70.38	
		For Piles Driven In Water, Add	*25.71*	
31 62 16 16-0011	VLF	14" x 14" x 102 Lb./FT, Rolled, Driven Steel H Pile	78.73	
		For Piles Driven In Water, Add	*28.11*	
31 62 16 16-0012	VLF	14" x 14" x 117 Lb./FT, Rolled, Driven Steel H Pile	87.55	
		For Piles Driven In Water, Add	*28.99*	

31 62 16 16-0013 Splices, Caps, And Points For H-Piles *(31 62 16 16)*

31 62 16 16-0014 Rolled Steel H Pile Splices *(31 62 16 16-0013)*

31 62 16 16-0015	EA	8" Rolled Steel H Pile Splice	327.89	
31 62 16 16-0016	EA	10" Rolled Steel H Pile Splice	367.06	
31 62 16 16-0017	EA	12" Rolled Steel H Pile Splice	503.62	
31 62 16 16-0018	EA	14" Rolled Steel H Pile Splice	523.20	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 16-0019		Rolled Steel H Driving Caps *(31 62 16 16-0013)*		
31 62 16 16-0020	EA	8" Rolled Steel H Driving Cap	3,258.42	
31 62 16 16-0021	EA	10" Rolled Steel H Driving Cap	3,258.42	
31 62 16 16-0022	EA	12" Rolled Steel H Driving Cap	3,319.82	
31 62 16 16-0023	EA	14" Rolled Steel H Driving Cap	4,984.58	
31 62 16 16-0024		Rolled Steel H Standard Pile Points *(31 62 16 16-0013)*		
31 62 16 16-0025	EA	8" Rolled Steel H Standard Pile Point	347.48	
31 62 16 16-0026	EA	10" Rolled Steel H Standard Pile Point	367.06	
31 62 16 16-0027	EA	12" Rolled Steel H Standard Pile Point	503.62	
31 62 16 16-0028	EA	14" Rolled Steel H Standard Pile Point	562.37	
31 62 16 16-0029	EA	10" Rolled Steel H Standard Pile Point	503.62	
31 62 16 16-0030	EA	14" Rolled Steel H Standard Pile Point	600.31	
31 62 16 19		**Unfilled Tubular Steel Piles** *(31 62 16)*		
31 62 16 19-0001		Unfilled Tubular Driven Steel Piles *(31 62 16 19)*		
31 62 16 19-0002	VLF	8" Diameter x 29 Lb./FT, Unfilled Tubular Driven Steel Pile	58.31	
		For Piles Driven In Water, Add	*25.76*	
31 62 16 19-0003	VLF	8" Diameter x 36 Lb./FT, Unfilled Tubular Driven Steel Pile	67.35	
		For Piles Driven In Water, Add	*26.66*	
31 62 16 19-0004	VLF	8" Diameter x 43 Lb./FT, Unfilled Tubular Driven Steel Pile	77.11	
		For Piles Driven In Water, Add	*27.64*	
31 62 16 19-0005	VLF	10" Diameter x 34 Lb./FT, Unfilled Tubular Driven Steel Pile	67.35	
		For Piles Driven In Water, Add	*26.66*	
31 62 16 19-0006	VLF	10" Diameter x 41 Lb./FT, Unfilled Tubular Driven Steel Pile	75.94	
		For Piles Driven In Water, Add	*27.52*	
31 62 16 19-0007	VLF	10" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	94.92	
		For Piles Driven In Water, Add	*29.42*	
31 62 16 19-0008	VLF	12" Diameter x 42 Lb./FT, Unfilled Tubular Driven Steel Pile	79.17	
		For Piles Driven In Water, Add	*28.90*	
31 62 16 19-0009	VLF	12" Diameter x 50 Lb./FT, Unfilled Tubular Driven Steel Pile	89.22	
		For Piles Driven In Water, Add	*29.90*	
31 62 16 19-0010	VLF	12" Diameter x 54 Lb./FT, Unfilled Tubular Driven Steel Pile	94.81	
		For Piles Driven In Water, Add	*30.46*	
31 62 16 19-0011	VLF	12" Diameter x 65 Lb./FT, Unfilled Tubular Driven Steel Pile	110.45	
		For Piles Driven In Water, Add	*32.02*	
31 62 16 19-0012	VLF	14" Diameter x 46 Lb./FT, Unfilled Tubular Driven Steel Pile	85.61	
		For Piles Driven In Water, Add	*31.73*	
31 62 16 19-0013	VLF	14" Diameter x 55 Lb./FT, Unfilled Tubular Driven Steel Pile	96.99	
		For Piles Driven In Water, Add	*32.87*	
31 62 16 19-0014	VLF	14" Diameter x 64 Lb./FT, Unfilled Tubular Driven Steel Pile	108.37	
		For Piles Driven In Water, Add	*34.00*	
31 62 16 19-0015	VLF	14" Diameter x 72 Lb./FT, Unfilled Tubular Driven Steel Pile	119.74	
		For Piles Driven In Water, Add	*35.14*	
31 62 16 19-0016	VLF	16" Diameter x 52 Lb./FT, Unfilled Tubular Driven Steel Pile	95.25	
		For Piles Driven In Water, Add	*35.40*	
31 62 16 19-0017	VLF	16" Diameter x 63 Lb./FT, Unfilled Tubular Driven Steel Pile	108.56	
		For Piles Driven In Water, Add	*36.73*	
31 62 16 19-0018	VLF	16" Diameter x 83 Lb./FT, Unfilled Tubular Driven Steel Pile	134.49	
		For Piles Driven In Water, Add	*39.32*	
31 62 16 19-0019	VLF	18" Diameter x 59 Lb./FT, Unfilled Tubular Driven Steel Pile	117.58	
		For Piles Driven In Water, Add	*39.82*	
31 62 16 19-0020	VLF	18" Diameter x 71 Lb./FT, Unfilled Tubular Driven Steel Pile	134.85	
		For Piles Driven In Water, Add	*41.55*	
31 62 16 19-0021	VLF	18" Diameter x 93 Lb./FT, Unfilled Tubular Driven Steel Pile	167.68	
		For Piles Driven In Water, Add	*44.83*	
31 62 16 19-0022		Splices And Points For Pipe Piles *(31 62 16 19)*		
31 62 16 19-0023		Steel Pipe Pile Splices *(31 62 16 19-0022)*		
31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice	371.49	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice	409.82	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice	522.73	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice	560.53	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice	692.37	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice	850.62	
31 62 16 19-0030		Steel Pipe Standard Pile Points *(31 62 16 19-0022)*		
31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point	348.34	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point	379.03	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point	433.72	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point	518.13	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point	594.87	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point	682.24	
31 62 16 19-0037		Steel Pipe Heavy-Duty Pile Points *(31 62 16 19-0022)*		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy-Duty Pile Point	498.44	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy-Duty Pile Point	536.81	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy-Duty Pile Point	608.56	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy-Duty Pile Point	762.03	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy-Duty Pile Point	882.36	

31 62 19 Timber Piles *(31 62)*

31 62 19 00-0001 Friction Or End Bearing, Driven Treated Wood Piles *(31 62 19)*

Note: 12 Lb. Penta-treated/CF.

31 62 19 00-0002	LF	Up To 30', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	36.88	
		For Piles Driven In Water, Add	*17.53*	
		For Untreated Pile, Deduct	*-7.96*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0003	LF	>30' To 39', 12" Butt x 8" Tip, Friction Or End Bearing, Driven Treated Wood Pile	39.04	
		For Piles Driven In Water, Add	*19.47*	
		For Untreated Pile, Deduct	*-8.04*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0004	LF	39' To 49', 12" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	41.18	
		For Piles Driven In Water, Add	*20.72*	
		For Untreated Pile, Deduct	*-8.41*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0005	LF	>49' To 59', 13" Butt x 7" Tip, Friction Or End Bearing, Driven Treated Wood Pile	44.51	
		For Piles Driven In Water, Add	*23.14*	
		For Untreated Pile, Deduct	*-8.79*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0006	LF	>59' To 69', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	54.84	
		For Piles Driven In Water, Add	*26.24*	
		For Untreated Pile, Deduct	*-11.76*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	
31 62 19 00-0007	LF	>69' To 79', 13" Butt x 6" Tip, Friction Or End Bearing, Driven Treated Wood Pile	68.31	
		For Piles Driven In Water, Add	*31.73*	
		For Untreated Pile, Deduct	*-15.04*	
		For Each Pile Tip Point, Add	*12.50*	
		For Each Pile Butt, Driving Cap, Add	*20.10*	
		For Each Splice For Pile >50', Add	*139.40*	

31 62 23 Composite Piles *(31 62)*

31 62 23 13 Concrete-Filled Steel Piles *(31 62 23)*

31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles *(31 62 23 13)*

Note: Includes 4,000 PSI concrete grout. Excludes reinforcing.

31 62 23 13-0002	VLF	8" Diameter x 29 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	62.52	
		For 5,000 PSI Concrete Grout Fill, Add	*6.92*	
		For Piles Driven In Water, Add	*27.92*	
31 62 23 13-0003	VLF	8" Diameter x 36 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	71.56	
		For 5,000 PSI Concrete Grout Fill, Add	*7.82*	
		For Piles Driven In Water, Add	*28.82*	
31 62 23 13-0004	VLF	8" Diameter x 43 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	81.32	
		For 5,000 PSI Concrete Grout Fill, Add	*8.80*	
		For Piles Driven In Water, Add	*29.80*	
31 62 23 13-0005	VLF	10" Diameter x 34 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	73.43	
		For 5,000 PSI Concrete Grout Fill, Add	*9.68*	
		For Piles Driven In Water, Add	*29.47*	
31 62 23 13-0006	VLF	10" Diameter x 41 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	82.02	
		For 5,000 PSI Concrete Grout Fill, Add	*10.54*	
		For Piles Driven In Water, Add	*30.33*	
31 62 23 13-0007	VLF	10" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	101.01	
		For 5,000 PSI Concrete Grout Fill, Add	*12.44*	
		For Piles Driven In Water, Add	*32.23*	
31 62 23 13-0008	VLF	12" Diameter x 42 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	87.71	
		For 5,000 PSI Concrete Grout Fill, Add	*13.01*	
		For Piles Driven In Water, Add	*32.77*	
31 62 23 13-0009	VLF	12" Diameter x 50 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	97.77	
		For 5,000 PSI Concrete Grout Fill, Add	*14.02*	
		For Piles Driven In Water, Add	*33.78*	
31 62 23 13-0010	VLF	12" Diameter x 54 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	103.35	
		For 5,000 PSI Concrete Grout Fill, Add	*14.58*	
		For Piles Driven In Water, Add	*34.34*	
31 62 23 13-0011	VLF	12" Diameter x 65 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	118.99	
		For 5,000 PSI Concrete Grout Fill, Add	*16.14*	
		For Piles Driven In Water, Add	*35.90*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 62 23 13-0012	VLF	14" Diameter x 46 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	97.24	
		For 5,000 PSI Concrete Grout Fill, Add	*16.00*	
		For Piles Driven In Water, Add	*37.79*	
31 62 23 13-0013	VLF	14" Diameter x 55 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	108.62	
		For 5,000 PSI Concrete Grout Fill, Add	*17.13*	
		For Piles Driven In Water, Add	*38.92*	
31 62 23 13-0014	VLF	14" Diameter x 64 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	119.99	
		For 5,000 PSI Concrete Grout Fill, Add	*18.27*	
		For Piles Driven In Water, Add	*40.06*	
31 62 23 13-0015	VLF	14" Diameter x 72 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	131.37	
		For 5,000 PSI Concrete Grout Fill, Add	*19.41*	
		For Piles Driven In Water, Add	*41.20*	
31 62 23 13-0016	VLF	16" Diameter x 52 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	107.73	
		For 5,000 PSI Concrete Grout Fill, Add	*19.75*	
		For Piles Driven In Water, Add	*40.52*	
31 62 23 13-0017	VLF	16" Diameter x 63 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	121.03	
		For 5,000 PSI Concrete Grout Fill, Add	*21.08*	
		For Piles Driven In Water, Add	*41.85*	
31 62 23 13-0018	VLF	16" Diameter x 83 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	146.97	
		For 5,000 PSI Concrete Grout Fill, Add	*23.67*	
		For Piles Driven In Water, Add	*44.44*	
31 62 23 13-0019	VLF	18" Diameter x 59 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	132.55	
		For 5,000 PSI Concrete Grout Fill, Add	*25.24*	
		For Piles Driven In Water, Add	*45.39*	
31 62 23 13-0020	VLF	18" Diameter x 71 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	149.82	
		For 5,000 PSI Concrete Grout Fill, Add	*26.97*	
		For Piles Driven In Water, Add	*47.12*	
31 62 23 13-0021	VLF	18" Diameter x 93 Lb./FT, Concrete-Filled Driven Steel Pipe Pile	182.65	
		For 5,000 PSI Concrete Grout Fill, Add	*30.25*	
		For Piles Driven In Water, Add	*50.40*	

31 62 23 13-0022 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0023	VLF	12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	80.71	
		For Piles Driven In Water, Add	*24.68*	
31 62 23 13-0024	VLF	14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	97.96	
		For Piles Driven In Water, Add	*27.59*	
31 62 23 13-0025	VLF	16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	110.88	
		For Piles Driven In Water, Add	*30.24*	
31 62 23 13-0026	VLF	18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile	120.63	
		For Piles Driven In Water, Add	*32.82*	

31 62 23 13-0027 Tapered Friction Concrete-Filled Driven Steel Piles *(31 62 23 13)*

Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.

31 62 23 13-0028	VLF	12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	79.18	
		For Piles Driven In Water, Add	*24.52*	
31 62 23 13-0029	VLF	14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	81.27	
		For Piles Driven In Water, Add	*25.92*	
31 62 23 13-0030	VLF	16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	99.18	
		For Piles Driven In Water, Add	*29.07*	
31 62 23 13-0031	VLF	18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile	114.44	
		For Piles Driven In Water, Add	*32.20*	

31 62 23 13-0032 Thin Wall Shell Straight Sided Driven Steel Piles *(31 62 23 13)*

31 62 23 13-0033	VLF	8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	47.55	
		For Piles Driven In Water, Add	*18.76*	
		For Thick Wall Shell, Add	*0.08*	
31 62 23 13-0034	VLF	10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	52.51	
		For Piles Driven In Water, Add	*20.82*	
		For Thick Wall Shell, Add	*0.09*	
31 62 23 13-0035	VLF	12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	57.39	
		For Piles Driven In Water, Add	*22.86*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0036	VLF	14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	62.35	
		For Piles Driven In Water, Add	*24.92*	
		For Thick Wall Shell, Add	*0.10*	
31 62 23 13-0037	VLF	16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile	67.29	
		For Piles Driven In Water, Add	*26.97*	
		For Thick Wall Shell, Add	*0.11*	

31 63 Bored Piles *(31 60)*

31 63 36 Drilled Steel Piles *(31 63)*

31 63 36 00-0001 Drill Hole *(31 63 36)*

Note: Excludes removal of excess material.

31 63 36 00-0002 Drilling Mobilization *(31 63 36 00-0001)*

31 63 36 00-0003	EA	>12" To 24" Diameter Hole, Drilling Mobilization	987.93
31 63 36 00-0004	EA	>24" Diameter Hole, Drilling Mobilization	1,317.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0005		**Drill Hole In Soil** *(31 63 36 00-0001)*		
31 63 36 00-0006	LF	18" Diameter, Up To 24' Depth, Drilled/Augered Hole	56.30	
31 63 36 00-0007	LF	20" Diameter, Up To 24' Depth, Drilled/Augered Hole	65.47	
31 63 36 00-0008	LF	22" Diameter, Up To 24' Depth, Drilled/Augered Hole	76.92	
31 63 36 00-0009	LF	24" Diameter, Up To 24' Depth, Drilled/Augered Hole	90.67	
31 63 36 00-0010	LF	26" Diameter, Up To 24' Depth, Drilled/Augered Hole	98.00	
31 63 36 00-0011	LF	28" Diameter, Up To 24' Depth, Drilled/Augered Hole	107.82	
31 63 36 00-0012	LF	30" Diameter, Up To 24' Depth, Drilled/Augered Hole	118.10	
31 63 36 00-0013		**Steel H Piles** *(31 63 36)*		
31 63 36 00-0014		**Placed In Drilled Hole, Rolled Steel H-Section Piles** *(31 63 36 00-0013)*		
		Note: Includes guides, bracing and alignment.		
31 63 36 00-0015	VLF	8" x 8" x 36 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	33.50	
		For >2,400 To 3,600, Deduct	*-1.18*	
		For >3,600 To 4,800, Deduct	*-2.36*	
		For >4,800 To 6,000, Deduct	*-4.03*	
		For >6,000, Deduct	*-5.71*	
31 63 36 00-0016	VLF	10" x 10" x 42 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	37.50	
		For >2,400 To 3,600, Deduct	*-1.30*	
		For >3,600 To 4,800, Deduct	*-2.59*	
		For >4,800 To 6,000, Deduct	*-4.47*	
		For >6,000, Deduct	*-6.34*	
31 63 36 00-0017	VLF	10" x 10" x 57 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	45.77	
		For >2,400 To 3,600, Deduct	*-1.50*	
		For >3,600 To 4,800, Deduct	*-3.01*	
		For >4,800 To 6,000, Deduct	*-5.29*	
		For >6,000, Deduct	*-7.58*	
31 63 36 00-0018	VLF	12" x 12" x 53 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	43.98	
		For >2,400 To 3,600, Deduct	*-1.47*	
		For >3,600 To 4,800, Deduct	*-2.94*	
		For >4,800 To 6,000, Deduct	*-5.14*	
		For >6,000, Deduct	*-7.33*	
31 63 36 00-0019	VLF	12" x 12" x 63 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	49.49	
		For >2,400 To 3,600, Deduct	*-1.61*	
		For >3,600 To 4,800, Deduct	*-3.21*	
		For >4,800 To 6,000, Deduct	*-5.69*	
		For >6,000, Deduct	*-8.16*	
31 63 36 00-0020	VLF	12" x 12" x 74 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.80	
		For >2,400 To 3,600, Deduct	*-1.82*	
		For >3,600 To 4,800, Deduct	*-3.64*	
		For >4,800 To 6,000, Deduct	*-6.48*	
		For >6,000, Deduct	*-9.32*	
31 63 36 00-0021	VLF	12" x 12" x 84 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	62.31	
		For >2,400 To 3,600, Deduct	*-1.96*	
		For >3,600 To 4,800, Deduct	*-3.92*	
		For >4,800 To 6,000, Deduct	*-7.03*	
		For >6,000, Deduct	*-10.15*	
31 63 36 00-0022	VLF	14" x 14" x 73 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	56.65	
		For >2,400 To 3,600, Deduct	*-1.83*	
		For >3,600 To 4,800, Deduct	*-3.65*	
		For >4,800 To 6,000, Deduct	*-6.48*	
		For >6,000, Deduct	*-9.32*	
31 63 36 00-0023	VLF	14" x 14" x 89 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	66.02	
		For >2,400 To 3,600, Deduct	*-2.06*	
		For >3,600 To 4,800, Deduct	*-4.12*	
		For >4,800 To 6,000, Deduct	*-7.42*	
		For >6,000, Deduct	*-10.72*	
31 63 36 00-0024	VLF	14" x 14" x 102 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	74.00	
		For >2,400 To 3,600, Deduct	*-2.29*	
		For >3,600 To 4,800, Deduct	*-4.59*	
		For >4,800 To 6,000, Deduct	*-8.29*	
		For >6,000, Deduct	*-11.99*	
31 63 36 00-0025	VLF	14" x 14" x 117 Lb./FT, Placed In Drilled Hole, Rolled Steel H Pile	82.82	
		For >2,400 To 3,600, Deduct	*-2.51*	
		For >3,600 To 4,800, Deduct	*-5.03*	
		For >4,800 To 6,000, Deduct	*-9.17*	
		For >6,000, Deduct	*-13.31*	
31 63 36 00-0026		**Welded Steel Stud Pins** *(31 63 36 00-0013)*		
		Note: Includes welding to steel piles.		
31 63 36 00-0027	EA	5/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	14.18	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.31*	
		For >250 To 500, Deduct	*-1.98*	
		For >500, Deduct	*-2.65*	
31 63 36 00-0028	EA	5/8" Diameter x 5" Long, Welded Steel Stud Pins	15.71	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.34*	
		For >250 To 500, Deduct	*-2.05*	
		For >500, Deduct	*-2.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 63 36 00-0029	EA	5/8" Diameter x 7" Long, Welded Steel Stud Pins	17.18	
		For >50 To 150, Deduct	*-0.63*	
		For >150 To 250, Deduct	*-1.38*	
		For >250 To 500, Deduct	*-2.13*	
		For >500, Deduct	*-2.87*	
31 63 36 00-0030	EA	3/4" Diameter x 2-1/2" Long, Welded Steel Stud Pins	15.73	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.39*	
		For >250 To 500, Deduct	*-2.12*	
		For >500, Deduct	*-2.85*	
31 63 36 00-0031	EA	3/4" Diameter x 5" Long, Welded Steel Stud Pins	18.04	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.45*	
		For >250 To 500, Deduct	*-2.24*	
		For >500, Deduct	*-3.02*	
31 63 36 00-0032	EA	3/4" Diameter x 7" Long, Welded Steel Stud Pins	19.66	
		For >50 To 150, Deduct	*-0.67*	
		For >150 To 250, Deduct	*-1.49*	
		For >250 To 500, Deduct	*-2.32*	
		For >500, Deduct	*-3.14*	
31 63 36 00-0033	EA	7/8" Diameter x 2-1/2" Long, Welded Steel Stud Pins	17.64	
		For >50 To 150, Deduct	*-0.69*	
		For >150 To 250, Deduct	*-1.48*	
		For >250 To 500, Deduct	*-2.27*	
		For >500, Deduct	*-3.06*	
31 63 36 00-0034	EA	7/8" Diameter x 5" Long, Welded Steel Stud Pins	21.41	
		For >50 To 150, Deduct	*-0.69*	
		For >150 To 250, Deduct	*-1.58*	
		For >250 To 500, Deduct	*-2.46*	
		For >500, Deduct	*-3.34*	
31 63 36 00-0035	EA	7/8" Diameter x 7" Long, Welded Steel Stud Pins	23.25	
		For >50 To 150, Deduct	*-0.69*	
		For >150 To 250, Deduct	*-1.62*	
		For >250 To 500, Deduct	*-2.55*	
		For >500, Deduct	*-3.48*	

31 63 36 00-0036 Concrete Fill *(31 63 36)*

See CSI section 03 37 16 00-0001 for pumping equipment.

31 63 36 00-0037	VLF	18" Diameter Hole Pumped Concrete Fill For Drilled Pile	46.77
31 63 36 00-0038	VLF	20" Diameter Hole Pumped Concrete Fill For Drilled Pile	51.95
31 63 36 00-0039	VLF	22" Diameter Hole Pumped Concrete Fill For Drilled Pile	57.15
31 63 36 00-0040	VLF	24" Diameter Hole Pumped Concrete Fill For Drilled Pile	62.34
31 63 36 00-0041	VLF	26" Diameter Hole Pumped Concrete Fill For Drilled Pile	67.53
31 63 36 00-0042	VLF	28" Diameter Hole Pumped Concrete Fill For Drilled Pile	72.73
31 63 36 00-0043	VLF	30" Diameter Hole Pumped Concrete Fill For Drilled Pile	85.41

END OF SECTION 31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 Exterior Improvements

32 01 Operation and Maintenance of Exterior Improvements *(32)*

32 01 11 Paving Cleaning *(32 01)*

32 01 11 53 Paint Removal from Paving *(32 01 11)*

32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings *(32 01 11 53)*

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF	Removal Of 4" Wide Painted Or Epoxy Pavement Striping	2.30	
		For Up To 250, Add	*1.15*	
		For >250 To 1,000, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.35*	
		For >10,000 To 25,000, Deduct	*-0.58*	
		For >25,000 To 50,000, Deduct	*-0.81*	
		For >50,000, Deduct	*-0.92*	
32 01 11 53-0003	LF	Removal Of 6" Wide Painted Or Epoxy Pavement Striping	2.76	
		For Up To 250, Add	*1.38*	
		For >250 To 1,000, Add	*0.69*	
		For >5,000 To 10,000, Deduct	*-0.41*	
		For >10,000 To 25,000, Deduct	*-0.69*	
		For >25,000 To 50,000, Deduct	*-0.97*	
		For >50,000, Deduct	*-1.10*	
32 01 11 53-0004	LF	Removal Of 8" Wide Painted Or Epoxy Pavement Striping	3.30	
		For Up To 250, Add	*1.65*	
		For >250 To 1,000, Add	*0.83*	
		For >5,000 To 10,000, Deduct	*-0.50*	
		For >10,000 To 25,000, Deduct	*-0.83*	
		For >25,000 To 50,000, Deduct	*-1.16*	
		For >50,000, Deduct	*-1.32*	
32 01 11 53-0005	LF	Removal Of 10" Wide Painted Or Epoxy Pavement Striping	3.16	
		For Up To 250, Add	*1.58*	
		For >250 To 1,000, Add	*0.79*	
		For >5,000 To 10,000, Deduct	*-0.47*	
		For >10,000 To 25,000, Deduct	*-0.79*	
		For >25,000 To 50,000, Deduct	*-1.11*	
		For >50,000, Deduct	*-1.26*	
32 01 11 53-0006	LF	Removal Of 12" Wide Painted Or Epoxy Pavement Striping	3.96	
		For Up To 250, Add	*1.98*	
		For >250 To 1,000, Add	*0.99*	
		For >5,000 To 10,000, Deduct	*-0.59*	
		For >10,000 To 25,000, Deduct	*-0.99*	
		For >25,000 To 50,000, Deduct	*-1.39*	
		For >50,000, Deduct	*-1.58*	
32 01 11 53-0007	SF	Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols	3.96	
		For Up To 250, Add	*1.98*	
		For >250 To 1,000, Add	*0.99*	
		For >5,000 To 10,000, Deduct	*-0.59*	
		For >10,000 To 25,000, Deduct	*-0.99*	
		For >25,000 To 50,000, Deduct	*-1.39*	
		For >50,000, Deduct	*-1.58*	

32 01 11 53-0008 Remove Thermoplastic Pavement Markings *(32 01 11 53)*

32 01 11 53-0009	LF	Removal Of 4" Wide Thermoplastic Pavement Striping	2.95	
		For Up To 250, Add	*1.48*	
		For >250 To 1,000, Add	*0.74*	
		For >5,000 To 10,000, Deduct	*-0.44*	
		For >10,000 To 25,000, Deduct	*-0.74*	
		For >25,000 To 50,000, Deduct	*-1.03*	
		For >50,000, Deduct	*-1.18*	
32 01 11 53-0010	LF	Removal Of 6" Wide Thermoplastic Pavement Striping	3.49	
		For Up To 250, Add	*1.75*	
		For >250 To 1,000, Add	*0.87*	
		For >5,000 To 10,000, Deduct	*-0.52*	
		For >10,000 To 25,000, Deduct	*-0.87*	
		For >25,000 To 50,000, Deduct	*-1.22*	
		For >50,000, Deduct	*-1.40*	
32 01 11 53-0011	LF	Removal Of 8" Wide Thermoplastic Pavement Striping	4.21	
		For Up To 250, Add	*2.11*	
		For >250 To 1,000, Add	*1.05*	
		For >5,000 To 10,000, Deduct	*-0.63*	
		For >10,000 To 25,000, Deduct	*-1.05*	
		For >25,000 To 50,000, Deduct	*-1.47*	
		For >50,000, Deduct	*-1.68*	
32 01 11 53-0012	LF	Removal Of 10" Wide Thermoplastic Pavement Striping	4.02	
		For Up To 250, Add	*2.01*	
		For >250 To 1,000, Add	*1.01*	
		For >5,000 To 10,000, Deduct	*-0.60*	
		For >10,000 To 25,000, Deduct	*-1.01*	
		For >25,000 To 50,000, Deduct	*-1.41*	
		For >50,000, Deduct	*-1.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 11 53-0013	LF	Removal Of 12" Wide Thermoplastic Pavement Striping	5.04	
		For Up To 250, Add	*2.52*	
		For >250 To 1,000, Add	*1.26*	
		For >5,000 To 10,000, Deduct	*-0.76*	
		For >10,000 To 25,000, Deduct	*-1.26*	
		For >25,000 To 50,000, Deduct	*-1.76*	
		For >50,000, Deduct	*-2.02*	
32 01 11 53-0014	SF	Removal Of Thermoplastic Pavement Marking, Letters Or Symbols	5.04	
		For Up To 250, Add	*2.52*	
		For >250 To 1,000, Add	*1.26*	
		For >5,000 To 10,000, Deduct	*-0.76*	
		For >10,000 To 25,000, Deduct	*-1.26*	
		For >25,000 To 50,000, Deduct	*-1.76*	
		For >50,000, Deduct	*-2.02*	

32 01 13 Flexible Paving Surface Treatment *(32 01)*

32 01 13 61 Slurry Seal (Latex Modified) *(32 01 13)*

32 01 13 61-0001 Asphalt Seal Coating, For Roads And Parking Lot *(32 01 13 61)*
Note: Includes sweeping and cleaning of area.

32 01 13 61-0002	EA	Asphalt Seal Coating Minimum Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	928.47	
32 01 13 61-0003	SY	Up To 500 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.53	
32 01 13 61-0004	SY	>500 To 1,000 SY, Type O Asphalt Seal Coating, No Aggregate, Per Coat	3.26	
32 01 13 61-0005	SY	>1,000 SY, Type O Asphalt Seal Coating, No Aggregate. Per Coat	3.05	
32 01 13 61-0006	SY	Up To 500 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.69	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.33*	
32 01 13 61-0007	SY	>500 To 1,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.48	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.33*	
32 01 13 61-0008	SY	>1,000 To 5,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.32	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.33*	
32 01 13 61-0009	SY	>5,000 To 20,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.18	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.33*	
32 01 13 61-0010	SY	>20,000 To 50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	3.18	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.33*	
32 01 13 61-0011	SY	>50,000 SY, Type I Slurry Seal Asphalt Coating, Per Coat Note: 1/8" thick.	2.90	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*	
		For Each 0.5% Of Latex Addition, Add	*0.33*	
32 01 13 61-0012	SY	Up To 500 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	5.00	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.34*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.40*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.50*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0013	SY	>500 To 1,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.66	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0014	SY	>1,000 To 5,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.42	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.31*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.37*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.47*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 13 61-0015	SY	>5,000 To 20,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	4.19	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0016	SY	>20,000 To 50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	3.97	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0017	SY	>50,000 SY, Type II Slurry Seal Asphalt Coating, Per Coat Note: 1/4" thick, 14 to 18 Lb./SY.	3.77	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.27*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.33*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.43*	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
32 01 13 61-0018	SY	Up To 500 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	6.30	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.35*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.41*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.51*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0019	SY	>500 To 1,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.95	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.33*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.39*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.49*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0020	SY	>1,000 To 5,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.69	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.32*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.38*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.48*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0021	SY	>5,000 To 20,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.43	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.30*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.36*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.46*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0022	SY	>20,000 To 50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	5.20	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.29*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.35*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.45*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
32 01 13 61-0023	SY	>50,000 SY, Type III Slurry Seal Asphalt Coating, Per Coat Note: 3/8" thick, 25 to 30 Lb./SY.	4.99	
		For Tire Rubber Modified Slurry Seal (TRMSS), Add	*0.28*	
		For Rubberized Emulsion Aggregate Slurry (REAS), Add	*0.34*	
		For Rubberized Polymer Modified Emulsion (RPME), Add	*0.44*	
		For Each 0.5% Of Latex Addition, Add	*0.80*	

32 01 13 62 Asphalt Surface Treatment *(32 01 13)*

32 01 13 62-0001 Polymer-Modified, Microsurfacing Emulsion (MSE Microsurfacing) *(32 01 13 62)*
Note: Use a blend of emulsified quickset polymer-modified emulsion asphalt and latex-based polymer. Includes sweeping and cleaning of area.

32 01 13 62-0002	SY	Up To 200 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	11.34
32 01 13 62-0003	SY	Up To 500 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.80
32 01 13 62-0004	SY	>500 To 1,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	10.32
32 01 13 62-0005	SY	>1,000 To 5,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.93
32 01 13 62-0006	SY	>5,000 To 10,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.56
32 01 13 62-0007	SY	>10,000 To 20,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.24
32 01 13 62-0008	SY	>20,000 To 50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	9.01
32 01 13 62-0009	SY	>50,000 SY, 3/8" Polymer-Modified Microsurfacing Emulsion (MSE)	8.90

32 01 16 Flexible Paving Rehabilitation *(32 01)*

See CSI section 33 01 30 86-0000 for raising manhole frame and cover.

32 01 16 71 Cold Milling Asphalt Pavement *(32 01 16)*

32 01 16 71-0001 Removal Of Asphalt Surface Course *(32 01 16 71)*
Note: Includes direct loading into truck.

32 01 16 71-0002 Production Cold Milling Of Roads And Parking Areas *(32 01 16 71-0001)*
Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 71-0003	SY	Up To 3" Depth, Production Cold Milling Of Asphalt	4.60	
		For Up To 2,500, Add	*3.45*	
		For >2,500 To 5,000, Add	*1.15*	
		For >10,000 To 25,000, Deduct	*-0.81*	
		For >25,000, Deduct	*-1.15*	
32 01 16 71-0004	SY	>3" To 6" Depth, Production Cold Milling Of Asphalt	5.82	
		For Up To 2,500, Add	*4.37*	
		For >2,500 To 5,000, Add	*1.46*	
		For >10,000 To 25,000, Deduct	*-1.02*	
		For >25,000, Deduct	*-1.46*	
32 01 16 71-0005	SY	>6" To 12" Depth, Production Cold Milling Of Asphalt	7.74	
		For Up To 2,500, Add	*5.81*	
		For >2,500 To 5,000, Add	*1.94*	
		For >10,000 To 25,000, Deduct	*-1.35*	
		For >25,000, Deduct	*-1.94*	

32 01 16 71-0006 Limited Production Cold Milling *(32 01 16 71-0001)*

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.

32 01 16 71-0007	SY	Up To 3" Depth, Limited Cold Milling Of Asphalt	30.66	
		For >100 To 1,000, Deduct	*-15.33*	
		For >1,000, Deduct	*-23.00*	
32 01 16 71-0008	SY	>3" To 6" Depth, Limited Cold Milling Of Asphalt	40.61	
		For >100 To 1,000, Deduct	*-20.31*	
		For >1,000, Deduct	*-30.46*	
32 01 16 71-0009	SY	>6" To 12" Depth, Limited Cold Milling Of Asphalt	54.07	
		For >100 To 1,000, Deduct	*-27.04*	
		For >1,000, Deduct	*-40.55*	

32 01 16 71-0010 Grind, Leave In-Place Asphalt Grindings *(32 01 16 71)*

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0011	SY	Grind, Leave In-Place As Subbase Course, 6-9" Depth	8.01	

32 01 16 73 In Place Cold Reused Asphalt Paving *(32 01 16)*

32 01 16 73-0001 Cold-In-Place-Partial Depth Recycling Process With Foam Asphalt *(32 01 16 73)*

Note: Includes milling between 3"-6" of existing AC surface, computerized metered injection of liquid asphalt, cement, and water mix together as binder with milled material, spread and place with paver, follow by vibratory steel drum roller, Cat CB534D or equivalent, then follow by rubber tired roller, Hypac C560A or equivalent. The Contractor will provide all the necessary engineering, preconstruction soil analysis, stamped mix design, in-place compaction testing of recycled material and any other QC/QA during construction. The recycled material (from milled surface mixed with liquid asphalt, cement, and water) shall meet Class II AB (3/4" max.) gradation and shall compact at 96% relative compaction or higher. The Contractor's process shall be capable of producing between 450-500 tons per hour of recycled, in-place material. The Contractor shall warranty their work for a period of two years. Excludes traffic control, grading, utilities adjustment and wearing course of either Chip Seal or HMA overlay of the finished surface.

32 01 16 73-0002	SF	Up To 30,000 SF Cold In Place Recycling Process With Foam Asphalt	4.52	
32 01 16 73-0003	SF	>30,000 To 42,000 SF Cold In Place Recycling Process With Foam Asphalt	4.20	
32 01 16 73-0004	SF	>42,000 To 71,000 SF Cold In Place Recycling Process With Foam Asphalt	3.48	
32 01 16 73-0005	SF	>71,000 To 130,000 SF Cold In Place Recycling Process With Foam Asphalt	2.92	
32 01 16 73-0006	SF	>130,000 To 250,000 SF Cold In Place Recycling Process With Foam Asphalt	2.58	
32 01 16 73-0007	SF	>250,000 To 500,000 SF Cold In Place Recycling Process With Foam Asphalt	2.34	
32 01 16 73-0008	SF	>500,000 SF Cold In Place Recycling Process With Foam Asphalt	2.19	

32 01 16 74 In Place Hot Reused Asphalt Paving *(32 01 16)*

32 01 16 74-0001 Rejuvenate And Respread Asphalt Pavement *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0002	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep	11.17	
32 01 16 74-0003	SY	Removal, Rejuvenation, And Respreading Of Asphalt Grindings To 1/2" Deep, Previously Sealed Cold Tar	13.08	
32 01 16 74-0004	TON	Removal, Rejuvenation, And Respreading Of Asphalt Grindings	207.14	

32 01 16 74-0005 Reclamation, Pulverize And Blending With Existing *(32 01 16 74)*

Note: Includes direct loading into truck.

32 01 16 74-0006	SY	Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	16.52	
32 01 16 74-0007	SY	Up To 2" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	8.26	
32 01 16 74-0008	SY	Up To 2" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.13	
32 01 16 74-0009	SY	Up To 2" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	3.92	
32 01 16 74-0010	SY	>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.50	
32 01 16 74-0011	SY	>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	18.02	
32 01 16 74-0012	SY	>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.01	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0013	SY	>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.25	
32 01 16 74-0014	SY	>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	19.82	
32 01 16 74-0015	SY	>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	9.91	
32 01 16 74-0016	SY	>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.96	
32 01 16 74-0017	SY	>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	4.57	
32 01 16 74-0018	SY	>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	21.62	
32 01 16 74-0019	SY	>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	10.81	
32 01 16 74-0020	SY	>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.41	
32 01 16 74-0021	SY	>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base	5.04	
32 01 16 74-0022	EA	Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew	1,858.29	

32 01 17 Flexible Paving Repair *(32 01)*

See CSI section 32 12 16 00-0000 for large area resurfacing.

32 01 17 61 Sealing Cracks in Asphalt Paving *(32 01 17)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair *(32 01 17 61)*

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF	Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.93
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.56*
		For 1" x 1/2" Fill, Add	*1.06*
		For Backer Rod, Add	*1.15*
32 01 17 61-0003	LF	>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.57
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.46*
		For 1" x 1/2" Fill, Add	*0.88*
		For Backer Rod, Add	*1.03*
32 01 17 61-0004	LF	>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.26
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.38*
		For 1" x 1/2" Fill, Add	*0.72*
		For Backer Rod, Add	*0.92*
32 01 17 61-0005	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	1.09
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.33*
		For 1" x 1/2" Fill, Add	*0.63*
		For Backer Rod, Add	*0.86*
32 01 17 61-0006	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.97
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.29*
		For 1" x 1/2" Fill, Add	*0.56*
		For Backer Rod, Add	*0.80*
32 01 17 61-0007	LF	>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler	0.89
		Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.	
		For 3/4" x 1/2" Fill, Add	*0.27*
		For 1" x 1/2" Fill, Add	*0.51*
		For Backer Rod, Add	*0.76*
32 01 17 61-0008	LF	Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	3.33
		For 3/8" x 1/4" Fill, Add	*0.79*
		For 1/2" x 1/4" Fill, Add	*1.46*
		For 1/2" x 1/2" Fill, Add	*3.49*
32 01 17 61-0009	LF	>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.69
		For 3/8" x 1/4" Fill, Add	*0.65*
		For 1/2" x 1/4" Fill, Add	*1.21*
		For 1/2" x 1/2" Fill, Add	*2.92*
32 01 17 61-0010	LF	>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	2.08
		For 3/8" x 1/4" Fill, Add	*0.52*
		For 1/2" x 1/4" Fill, Add	*0.96*
		For 1/2" x 1/2" Fill, Add	*2.34*
32 01 17 61-0011	LF	>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.83
		For 3/8" x 1/4" Fill, Add	*0.46*
		For 1/2" x 1/4" Fill, Add	*0.85*
		For 1/2" x 1/2" Fill, Add	*2.08*
32 01 17 61-0012	LF	>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.65
		For 3/8" x 1/4" Fill, Add	*0.41*
		For 1/2" x 1/4" Fill, Add	*0.76*
		For 1/2" x 1/2" Fill, Add	*1.86*
32 01 17 61-0013	LF	>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler	1.54
		For 3/8" x 1/4" Fill, Add	*0.38*
		For 1/2" x 1/4" Fill, Add	*0.70*
		For 1/2" x 1/2" Fill, Add	*1.71*
32 01 17 61-0014	LF	For Routing And Cleaning Of Crack, Add Per 1/2" Depth	0.58

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 17 61-0015	LF	Crack Fill Backer Material, Up To 1" Diameter, As Required	1.81	
32 01 17 61-0016	LNMI	Crack Seal/Filler Per Lane (10' to 12' Wide) Per Mile	4,131.53	
		Note: This work shall consist of removal of loose matter from cracks with brooms and compressed air and sealing the crack with rubber or other elastomeric modified asphalt, ASTM D 1190, D 3405 or AASHTO M-173. The sealant shall be applied from the bottom of the crack up and the sealant material shall be sprinkled with dry sand to prevent pick-up by traffic.		

32 01 17 63 Flexible Pavement Repair *(32 01 17)*

32 01 17 63-0001 Temporary Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, bonding agent, compaction, safety cones and hauling up to 15 miles. Excludes signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons	1,700.61	
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified	511.37	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,635.38	
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix	489.62	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,602.76	
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified	478.75	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,570.14	
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix	467.88	
		Note: Use for each ton over 3 tons.		

32 01 17 63-0010 Permanent Pot Hole Repair *(32 01 17 63)*

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons	1,874.19	
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix	608.43	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons	1,841.57	
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Hot Mix Modified	597.56	
		Note: Use for each ton over 3 tons.		
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons	1,808.95	
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix	586.69	
		Note: Use for each ton over 3 tons.		

32 01 17 63-0017 Asphalt Placement For Small Repairs *(32 01 17 63)*

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0057 for saw cutting, 32 12 16 13-0000 for areas requiring more than 100 tons.

32 01 17 63-0018	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons	2,453.63	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0019	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified	318.87	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons	2,388.40	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix	297.12	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons	2,355.78	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified	286.25	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons	2,323.16	
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix	275.38	
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.		

32 01 17 63-0026 Grind Asphalt *(32 01 17 63)*

32 01 17 63-0027	SY	Grinding Asphalt To Level Bump Or Raised Area	23.07	

32 01 26 Rigid Paving Rehabilitation *(32 01)*

32 01 26 71 Grooving of Concrete Paving *(32 01 26)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 26 71-0001		Roadway Grooving *(32 01 26 71)*		
32 01 26 71-0002	EA	First 500 SY Of Pavement Grooving, Concrete, Longitudinal	4,236.91	
32 01 26 71-0003	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Longitudinal	3.92	
32 01 26 71-0004	EA	First 500 SY Of Pavement Grooving, Concrete, Traverse	4,720.07	
32 01 26 71-0005	SY	Each SY Over First 500 SY Of Pavement Grooving, Concrete, Traverse	5.11	
32 01 26 71-0006		Rumble Strips *(32 01 26 71)*		
32 01 26 71-0007	EA	First 5280 LF Of MIARDS, Rumble Strips, Asphalt	4,747.08	
32 01 26 71-0008	LF	Each LF Over First 5280 LF Of MIARDS, Rumble Strips, Asphalt	0.86	
32 01 26 71-0009	EA	First 2,000 LF Of MIARDS, Rumble Strips, Concrete	5,290.19	
32 01 26 71-0010	LF	Each LF Over First 2,000 LF Of MIARDS, Rumble Strips, Concrete	0.96	
32 01 26 73		**Milling Of Concrete Paving** *(32 01 26)*		
32 01 26 73-0001		Removal Of Concrete *(32 01 26 73)* Note: Includes direct loading into truck.		
32 01 26 73-0002		Production Milling Of Roads And Parking Areas *(32 01 26 73-0001)* Note: For removal of entire lanes of roads or parking areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.		
32 01 26 73-0003	SY	Production Milling Of Concrete Per Inch	7.34	
32 01 26 73-0004		Limited Production Milling *(32 01 26 73-0001)* Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around manholes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0048 for hauling.		
32 01 26 73-0005	SY	Limited Production Milling Of Concrete Per Inch	46.08	
32 01 29		**Rigid Paving Repair** *(32 01)*		
32 01 29 61		**Partial Depth Patching of Rigid Paving** *(32 01 29)*		
32 01 29 61-0001		Hot Applied Flexible Concrete Repair *(32 01 29 61)* Note: Excludes saw cutting (where required), flagmen.		
32 01 29 61-0002	EA	Hot Applied Flexible Concrete Repair Minimum Charge Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	1,282.06	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair	71.44	
		For >25 SF Quantity, Deduct	*-7.14*	
32 01 29 61-0004	SF	>2" To 4" Depth, Hot Applied Flexible Concrete Repair	134.24	
		For >25 SF Quantity, Deduct	*-13.42*	
32 01 29 61-0005	SF	>4" To 6" Depth, Hot Applied Flexible Concrete Repair	196.45	
		For >25 SF Quantity, Deduct	*-19.65*	
32 01 29 61-0006	SF	>6" To 8" Depth, Hot Applied Flexible Concrete Repair	258.67	
		For >25 SF Quantity, Deduct	*-25.87*	
32 01 29 61-0007	SF	>8" To 10" Depth, Hot Applied Flexible Concrete Repair	320.88	
		For >25 SF Quantity, Deduct	*-32.09*	
32 01 29 61-0008	CF	>10" Depth, Hot Applied Flexible Concrete Repair	382.53	
32 01 29 61-0009		Cold Applied Flexible Concrete Repair *(32 01 29 61)*		
32 01 29 61-0010	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	7.00	
32 01 29 61-0011	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	10.09	
32 01 29 61-0012	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	13.28	
32 01 29 61-0013	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	16.59	
32 01 29 61-0014	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water)	23.68	
32 01 29 61-0015	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	7.09	
32 01 29 61-0016	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	10.18	
32 01 29 61-0017	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	13.37	
32 01 29 61-0018	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	16.68	
32 01 29 61-0019	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R)	23.77	
32 01 29 61-0020	SF	1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	7.04	
32 01 29 61-0021	SF	1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	10.13	
32 01 29 61-0022	SF	1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	13.32	
32 01 29 61-0023	SF	3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	16.63	
32 01 29 61-0024	SF	1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R)	23.72	
32 01 90		**Operation and Maintenance of Planting** *(32 01)* Note: These tasks are to be used as requested by the owner to maintain existing conditions.		
32 01 90 13		**Fertilizing** *(32 01 90)*		
32 01 90 13-0001	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Granular)	16.10	
32 01 90 13-0002	MSF	Fertilizer - 2 Lb. Of Nitrogen/MSF (Liquid)	11.59	
32 01 90 13-0003	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Granular)	12.71	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 13-0004	MSF	Fertilizer - 0.5 Lb. Of Nitrogen/MSF (Liquid)	10.38	

32 01 90 19 Mowing *(32 01 90)*

32 01 90 19-0001	ACR	Vegetation Cutting By Bush Hog Note: Includes normal debris removal, cutting, and trimming.	226.43	
		For <1 Acre, Add	*56.61*	
32 01 90 19-0002	MSF	Mowing Vegetation With Riding Mower, >20,000 To 45,000 SF	7.77	
32 01 90 19-0003	MSF	Mowing Vegetation With Riding Mower, >45,000 SF	6.02	
32 01 90 19-0004	MSF	Clear Vegetation With Weed Trimmer, Up To 1,000 SF	26.13	
		For Work On Slopes >2:1, Add	*6.53*	
		For Clearing Light Brush, Add	*3.92*	
32 01 90 19-0005	MSF	Clear Vegetation With Weed Trimmer, >1,000 SF	21.95	
		For Work On Slopes >2:1, Add	*5.49*	
		For Clearing Light Brush, Add	*3.29*	
32 01 90 19-0006	MSF	Blow Or Vacuum Dispersed Non-Native Seed After Bulk Of Biomass Removed	22.90	

32 01 90 23 Pruning *(32 01 90)*

32 01 90 23-0001 Tree Pruning *(32 01 90 23)*

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

32 01 90 23-0002 Tree Pruning; Crown Cleaning *(32 01 90 23-0001)*

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA	1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	33.03
32 01 90 23-0004	EA	2" Caliper, Tree Pruning (Crown Cleaning), By Hand	37.76
32 01 90 23-0005	EA	2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand	42.48
32 01 90 23-0006	EA	3" Caliper, Tree Pruning (Crown Cleaning), By Hand	47.20
32 01 90 23-0007	EA	4" Caliper, Tree Pruning (Crown Cleaning), By Hand	71.73
32 01 90 23-0008	EA	4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	117.88
32 01 90 23-0009	EA	6" Caliper, Tree Pruning (Crown Cleaning), By Hand	125.53
32 01 90 23-0010	EA	6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	224.53
32 01 90 23-0011	EA	9" Caliper, Tree Pruning (Crown Cleaning), By Hand	201.02
32 01 90 23-0012	EA	9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	359.15
32 01 90 23-0013	EA	12" Caliper, Tree Pruning (Crown Cleaning), By Hand	232.28
32 01 90 23-0014	EA	12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	415.34
32 01 90 23-0015	EA	18" Caliper, Tree Pruning (Crown Cleaning), By Hand	270.02
32 01 90 23-0016	EA	18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	482.70
32 01 90 23-0017	EA	24" Caliper, Tree Pruning (Crown Cleaning), By Hand	328.69
32 01 90 23-0018	EA	24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	583.83
32 01 90 23-0019	EA	30" Caliper, Tree Pruning (Crown Cleaning), By Hand	408.30
32 01 90 23-0020	EA	30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	735.81
32 01 90 23-0021	EA	36" Caliper, Tree Pruning (Crown Cleaning), By Hand	559.23
32 01 90 23-0022	EA	36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	997.25
32 01 90 23-0023	EA	48" Caliper, Tree Pruning (Crown Cleaning), By Hand	887.20
32 01 90 23-0024	EA	48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment	1,603.75

32 01 90 23-0025 Tree Pruning; Crown Thinning *(32 01 90 23-0001)*

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two- thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	40.50
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	46.25
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	52.01
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	57.87
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	87.89
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	144.37
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	153.77
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	275.04
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	246.28
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	439.96
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	284.52
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	508.77
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	330.77
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	591.28
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	402.61
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	715.22
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	500.13
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	901.35
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	685.05
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,221.64
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,086.82
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,964.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 01 90 23-0048 Tree Pruning; Crown Raising *(32 01 90 23-0001)*

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	44.65
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	50.98
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	57.40
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	63.72
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	96.85
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	159.18
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	169.45
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	303.11
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	271.39
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	484.86
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	313.59
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	560.75
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	364.57
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	651.68
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	443.77
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	788.19
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	551.20
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	993.30
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	755.00
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,346.25
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,197.73
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,165.10

32 01 90 23-0071 Tree Pruning; Crown Reduction *(32 01 90 23-0001)*

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	47.95
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	54.75
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	61.64
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	68.44
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	104.03
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	170.97
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	182.00
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	325.57
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	291.50
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	520.79
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	336.82
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	602.29
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	391.57
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	699.95
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	476.62
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	846.58
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	592.06
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,066.94
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	810.88
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,446.05
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,286.46
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,325.41

32 01 90 23-0094 Tree Pruning; Crown Restoration *(32 01 90 23-0001)*

Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several pruning's over a number of years.

32 01 90 23-0095	EA	1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	55.04
32 01 90 23-0096	EA	2" Caliper, Tree Pruning (Crown Restoration), By Hand	62.96
32 01 90 23-0097	EA	2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand	70.80
32 01 90 23-0098	EA	3" Caliper, Tree Pruning (Crown Restoration), By Hand	78.63
32 01 90 23-0099	EA	4" Caliper, Tree Pruning (Crown Restoration), By Hand	119.51
32 01 90 23-0100	EA	4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	196.46
32 01 90 23-0101	EA	6" Caliper, Tree Pruning (Crown Restoration), By Hand	209.19
32 01 90 23-0102	EA	6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	374.17
32 01 90 23-0103	EA	9" Caliper, Tree Pruning (Crown Restoration), By Hand	335.02
32 01 90 23-0104	EA	9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	598.58
32 01 90 23-0105	EA	12" Caliper, Tree Pruning (Crown Restoration), By Hand	387.13
32 01 90 23-0106	EA	12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	692.21
32 01 90 23-0107	EA	18" Caliper, Tree Pruning (Crown Restoration), By Hand	450.00
32 01 90 23-0108	EA	18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	804.47
32 01 90 23-0109	EA	24" Caliper, Tree Pruning (Crown Restoration), By Hand	547.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 23-0110	EA	24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	973.09	
32 01 90 23-0111	EA	30" Caliper, Tree Pruning (Crown Restoration), By Hand	680.51	
32 01 90 23-0112	EA	30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,226.36	
32 01 90 23-0113	EA	36" Caliper, Tree Pruning (Crown Restoration), By Hand	932.09	
32 01 90 23-0114	EA	36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	1,662.15	
32 01 90 23-0115	EA	48" Caliper, Tree Pruning (Crown Restoration), By Hand	1,478.66	
32 01 90 23-0116	EA	48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment	2,672.97	

32 01 90 23-0117 Palm Tree Pruning *(32 01 90 23)*

32 01 90 23-0118	EA	Trim Mexican Palm Tree	100.08	
32 01 90 23-0119	EA	Trim Date Palm Tree	225.83	
32 01 90 23-0120	LF	Skin Palm Tree	25.66	
32 01 90 23-0121	EA	Trim And Skin Palm Tree, Up To 30' Height	95.43	
32 01 90 23-0122	EA	Trim And Skin Palm Tree, >30' To 60' Height	117.87	
32 01 90 23-0123	EA	Trim And Skin Palm Tree, >60' To 80' Height	131.91	

32 01 90 23-0124 Shrub Pruning *(32 01 90 23)*

32 01 90 23-0125	MSF	Shrub Pruning, Prune, Shrub Bed	107.56	
32 01 90 23-0126	EA	Shrub Pruning, Prune, Shrub Under 3' Height	3.77	
32 01 90 23-0127	EA	Shrub Pruning, Prune, Shrub 4' Height	8.50	
32 01 90 23-0128	EA	Shrub Pruning, Prune, Shrub Over 6'	15.10	
32 01 90 23-0129	EA	Shrub Pruning, Prune Trees From Ground	37.76	
32 01 90 23-0130	EA	Shrub Pruning, Prune Trees From Ground, High Work	94.40	

32 01 90 23-0131 Root Pruning *(32 01 90 23)*

Note: Cut roots cleanly after excavation with clean, sharp tools, to promote callus formation and wound closure. Wounds to be dressed with a tree rooting hormone compound. Mix soil improvements (e.g., peat moss) with fill soil to promote new root growth. Backfill the excavation and water the soil around the roots to avoid leaving air pockets.

32 01 90 23-0132	EA	Root Pruning, One Side Of Up To 1-1/2" Caliper Tree	18.88	
32 01 90 23-0133	EA	Root Pruning, One Side Of 2" Caliper Tree	23.60	
32 01 90 23-0134	EA	Root Pruning, One Side Of 2-1/2" Caliper Tree	28.32	
32 01 90 23-0135	EA	Root Pruning, One Side Of 3" Caliper Tree	37.76	
32 01 90 23-0136	EA	Root Pruning, One Side Of 4" Caliper Tree	56.64	
32 01 90 23-0137	EA	Root Pruning, One Side Of >4" To 6" Caliper Tree	70.80	
32 01 90 23-0138	EA	Root Pruning, One Side Of >6" To 9" Caliper Tree	99.11	
32 01 90 23-0139	EA	Root Pruning, One Side Of >9" To 12" Caliper Tree	113.27	
32 01 90 23-0140	EA	Root Pruning, One Side Of >12" To 18" Caliper Tree	132.16	
32 01 90 23-0141	EA	Root Pruning, One Side Of >18' To 24" Caliper Tree	165.19	
32 01 90 23-0142	EA	Root Pruning, One Side Of >24" To 30" Caliper Tree	202.96	
32 01 90 23-0143	EA	Root Pruning, One Side Of >30" To 36" Caliper Tree	236.00	
32 01 90 23-0144	EA	Root Pruning, One Side Of >36" To 42" Caliper Tree	259.59	
32 01 90 23-0145	EA	Root Pruning, One Side Of >42" To 48" Caliper Tree	283.19	

32 01 90 26 Watering *(32 01 90)*

Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

32 01 90 26-0001 Watering Lawns, Plants And Trees *(32 01 90 26)*

Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for additional watering beyond initial watering at installation for extended watering period of lawns, plants and trees.

32 01 90 26-0002	MSF	Watering Sod/Grass, Per Inch Of Water	49.45	
32 01 90 26-0003	CSF	Watering Groundcover	7.62	
32 01 90 26-0004	CSF	Watering Annuals And Perennials	13.47	
32 01 90 26-0005	EA	Watering Trees, 1-1/2" To 5" Diameter By Hand	26.00	
32 01 90 26-0006	EA	Watering Trees, 6" To 12" Diameter By Hand	34.18	
32 01 90 26-0007	EA	Watering Trees, 13" To 18" Diameter By Hand	42.36	
32 01 90 26-0008	EA	Watering Trees, >18" Diameter By Hand	52.14	
32 01 90 26-0009	EA	Watering Shrub Or Bush By Hand	13.06	

32 01 90 36 Weed and Brush Control *(32 01 90)*

32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied *(32 01 90 36)*

32 01 90 36-0002	MSF	Non-Selective Post Emergent Weed Herbicide (70.4 Oz./Acre or 1.62 Oz./MSF)	8.72	
		For >45 To 90, Deduct	*-0.48*	
		For >90 To 225, Deduct	*-1.35*	
		For >225 To 870, Deduct	*-2.22*	
		For >870, Deduct	*-2.70*	
32 01 90 36-0003	MSF	Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 Oz./Acre or 2.94 Oz./MSF)	9.40	
		For >45 To 90, Deduct	*-0.55*	
		For >90 To 225, Deduct	*-1.49*	
		For >225 To 870, Deduct	*-2.43*	
		For >870, Deduct	*-2.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 90 36-0004	MSF	Selective Weed Herbicide (56 Oz./Acre or 1.28 Oz./MSF) Note: Includes pre and post emergent.	9.36	
		For >45 To 90, Deduct	*-0.54*	
		For >90 To 225, Deduct	*-1.48*	
		For >225 To 870, Deduct	*-2.41*	
		For >870, Deduct	*-2.96*	
32 01 90 36-0005	MSF	Selective Woody Brush And Tree Herbicide (72 Oz./Acre or 1.65 Oz./MSF) Note: Includes pre and post emergent.	9.78	
		For >45 To 90, Deduct	*-0.58*	
		For >90 To 225, Deduct	*-1.56*	
		For >225 To 870, Deduct	*-2.54*	
		For >870, Deduct	*-3.12*	

32 01 90 39 Pesticides *(32 01 90)*

32 01 90 39-0001	MSF	Pesticide - Surface Eating	12.11	
32 01 90 39-0002	MSF	Pesticide - Subsurface Eating	12.16	
32 01 90 39-0003	MSF	Pesticide - Fungicide Application	13.22	

32 01 90 43 Weed and Cultivate Beds *(32 01 90)*

32 01 90 43-0001	MSF	Weed Mulched Bed	46.19	
32 01 90 43-0002	MSF	Weed Unmulched Bed	131.96	
32 01 90 43-0003	MSF	Cultivate Bed	71.05	

32 01 90 46 Hedge Trimming *(32 01 90)*

32 01 90 46-0001	LF	Trim 0-5' High Hedge, 0-3' Wide	6.10	
32 01 90 46-0002	LF	Trim 0-5' High Hedge, 4-6' Wide	9.14	
32 01 90 46-0003	LF	Trim 5-10' High Hedge, 0-3' Wide	13.85	
32 01 90 46-0004	LF	Trim 5-10' High Hedge, 4-6' Wide	14.11	

32 01 90 53 Plant Growth Regulator Application *(32 01 90)*

32 01 90 53-0001	EA	Plant Growth Regulator Application	6.97	

32 05 Common Work Results for Exterior Improvements *(32)*

32 05 33 Common Work Results for Planting *(32 05)*

32 05 33 00-0001 Decorative Landscape Boulders *(32 05 33)*
Note: Includes delivery of materials and placement.

32 05 33 00-0002	EA	1 -6" x 2' x 1' Oval Shape Boulders (Approx. 250 Lb. Each)	87.30	
32 05 33 00-0003	EA	1 -6" x 2' x 1'-6" Oval Shape Boulders (Approx. 375 Lb. Each)	130.95	
32 05 33 00-0004	EA	2' x 2' x 1'-6" Oval Shape Boulders (Approx. 500 Lb. Each)	174.60	
32 05 33 00-0005	EA	2' x 2' x 2' Oval Shape Boulders (Approx. 667 Lb. Each)	232.93	
32 05 33 00-0006	EA	2' x 3' x 1'-6" Oval Shape Boulders (Approx. 750 Lb. Each)	262.19	
32 05 33 00-0007	EA	2' x 3' x 2' Oval Shape Boulders (Approx. 1,000 Lb. Each)	349.57	
32 05 33 00-0008	EA	2'-6" x 3' x 2' Oval Shape Boulders (Approx. 1,250 Lb. Each)	436.97	
32 05 33 00-0009	EA	3' x 3' x 2' Oval Shape Boulders (Approx. 1,500 Lb. Each)	524.37	
32 05 33 00-0010	EA	3' x 3'-6" x 2' Oval Shape Boulders (Approx. 1,750 Lb. Each)	611.76	
32 05 33 00-0011	EA	3' x 4' x 2' Oval Shape Boulders (Approx. 2,000 Lb. Each)	699.15	
32 05 33 00-0012	EA	3' x 3' x 3' Oval Shape Boulders (Approx. 2,250 Lb. Each)	786.55	
32 05 33 00-0013	EA	3' x 4' x 2'-6" Oval Shape Boulders (Approx. 2,500 Lb. Each)	873.93	
32 05 33 00-0014	EA	3' x 4' x 3' Oval Shape Boulders (Approx. 3,000 Lb. Each)	1,048.72	
32 05 33 00-0015	TON	Landscape Boulders	699.15	

32 10 Bases, Ballasts, and Paving *(32)*

32 11 Base Courses *(32 10)*

32 11 16 Subbase Courses *(32 11)*

32 11 16 16 Aggregate Subbase Courses *(32 11 16)*

32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas *(32 11 16 16)*
Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 11 16 16-0002 Base And Subbase Courses By The CY *(32 11 16 16-0001)*

32 11 16 16-0003	CY	Class II Graded Crushed Aggregate Roadway Base Course	110.80	
32 11 16 16-0004	CY	Class III Graded Crushed Aggregate Roadway Base Course	106.24	
32 11 16 16-0005	CY	Recycled Base Course	100.25	

32 11 16 16-0006 Class II Base Courses By The SY *(32 11 16 16-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 11 16 16-0007	SY	2" Class II Graded Crushed Aggregate Base Course	6.09	
		For Up To 500, Add	*1.55*	
		For >500 To 1,000, Add	*0.61*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000, Deduct	*-0.40*	
32 11 16 16-0008	SY	4" Class II Crushed Aggregate Base Course	12.17	
		For Up To 500, Add	*3.09*	
		For >500 To 1,000, Add	*1.22*	
		For >5,000 To 10,000, Deduct	*-0.46*	
		For >10,000, Deduct	*-0.79*	
32 11 16 16-0009	SY	6" Class II Crushed Aggregate Base Course	18.26	
		For Up To 500, Add	*4.64*	
		For >500 To 1,000, Add	*1.83*	
		For >5,000 To 10,000, Deduct	*-0.69*	
		For >10,000, Deduct	*-1.19*	
32 11 16 16-0010	SY	9" Class II Crushed Aggregate Base Course	27.39	
		For Up To 500, Add	*6.96*	
		For >500 To 1,000, Add	*2.74*	
		For >5,000 To 10,000, Deduct	*-1.04*	
		For >10,000, Deduct	*-1.78*	
32 11 16 16-0011	SY	12" Class II Crushed Aggregate Base Course	36.52	
		For Up To 500, Add	*9.29*	
		For >500 To 1,000, Add	*3.65*	
		For >5,000 To 10,000, Deduct	*-1.39*	
		For >10,000, Deduct	*-2.37*	

32 11 23 Aggregate Base Courses *(32 11)*

32 11 23 16 Aggregate Base Courses *(32 11 23)*

32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) *(32 11 23 16)*

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 11 23 16-0002	SF	2" Crushed Aggregate Base Course For Sidewalks	0.76	
		For Up To 1,000, Add	*0.21*	
		For >1,000 To 2,500, Add	*0.08*	
32 11 23 16-0003	SF	3" Crushed Aggregate Base Course For Sidewalks	1.07	
		For Up To 1,000, Add	*0.30*	
		For >1,000 To 2,500, Add	*0.11*	
32 11 23 16-0004	SF	4" Crushed Aggregate Base Course For Sidewalks	1.37	
		For Up To 1,000, Add	*0.38*	
		For >1,000 To 2,500, Add	*0.14*	
32 11 23 16-0005	SF	5" Crushed Aggregate Base Course For Sidewalks	1.79	
		For Up To 1,000, Add	*0.49*	
		For >1,000 To 2,500, Add	*0.18*	
32 11 23 16-0006	SF	6" Crushed Aggregate Base Course For Sidewalks	2.21	
		For Up To 1,000, Add	*0.61*	
		For >1,000 To 2,500, Add	*0.22*	
32 11 23 16-0007	SF	7" Crushed Aggregate Base Course For Sidewalks	2.53	
		For Up To 1,000, Add	*0.70*	
		For >1,000 To 2,500, Add	*0.25*	
32 11 23 16-0008	SF	8" Crushed Aggregate Base Course For Sidewalks	2.87	
		For Up To 1,000, Add	*0.79*	
		For >1,000 To 2,500, Add	*0.29*	

32 11 26 Asphaltic Base Courses *(32 11)*

32 11 26 19 Bituminous-Stabilized Base Courses *(32 11 26)*

32 11 26 19-0001 Bituminous-Stabilized Base Courses *(32 11 26 19)*

32 11 26 19-0002	CY	Bituminous Stabilized Base Course Note: 3/4" ASTM C33.	97.97

32 12 Flexible Paving *(32 10)*

32 12 13 Preparatory Coats *(32 12)*

32 12 13 13 Tack Coats *(32 12 13)*

32 12 13 13-0001	SY	Tack Coat, 0.04 Gallon/SY	0.65	
		For Up To 150, Add	*0.12*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.03*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	
32 12 13 13-0002	SY	Tack Coat, 0.05 Gallon/SY	0.72	
		For Up To 150, Add	*0.14*	
		For >150 To 300, Add	*0.07*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 13 13-0003	SY	Tack Coat, 0.07 Gallon/SY	0.85	
		For Up To 150, Add	*0.17*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.04*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.05*	
32 12 13 13-0004	SY	Tack Coat, 0.08 Gallon/SY	0.92	
		For Up To 150, Add	*0.19*	
		For >150 To 300, Add	*0.09*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.02*	
		For >5,000, Deduct	*-0.06*	
32 12 13 13-0005	SY	Tack Coat, 0.10 Gallon/SY	1.06	
		For Up To 150, Add	*0.23*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
32 12 13 13-0006	SY	Tack Coat, 0.11 Gallon/SY	1.12	
		For Up To 150, Add	*0.24*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.06*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	

32 12 13 19 Prime Coats *(32 12 13)*

32 12 13 19-0001	SY	Surface Prime Coat, 0.26 Gallon/SY	1.88	
		For Up To 150, Add	*0.42*	
		For >150 To 300, Add	*0.19*	
		For >300 To 500, Add	*0.09*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.13*	
32 12 13 19-0002	SY	Surface Prime Coat, 0.28 Gallon/SY	1.99	
		For Up To 150, Add	*0.45*	
		For >150 To 300, Add	*0.20*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.14*	
32 12 13 19-0003	SY	Surface Prime Coat, 0.30 Gallon/SY	2.09	
		For Up To 150, Add	*0.48*	
		For >150 To 300, Add	*0.21*	
		For >300 To 500, Add	*0.10*	
		For >3,500 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.15*	

32 12 16 Asphalt Paving *(32 12)*

32 12 16 13 Plant-Mix Asphalt Paving *(32 12 16)*

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0048 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001 Intermediate Binder Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: S (3/4") aggregate gradation

32 12 16 13-0002	TON	Bituminous Hot Mix Intermediate Binder Course 3,954 Lb./CY Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.	134.11	
		For PG64-10 Asphalt, Add	*14.98*	
		For Warm Mix Additive, Add	*6.49*	
		For Up To 25, Add	*19.57*	
		For >25 To 50, Add	*10.98*	
		For >500 To 1,000, Deduct	*-5.50*	
		For >1,000 To 2,500, Deduct	*-10.00*	
		For >2,500 To 5,000, Deduct	*-15.49*	
		For >5,000, Deduct	*-22.24*	
32 12 16 13-0003	SY	1" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	7.64	
		For PG64-10 Asphalt, Add	*0.82*	
		For Up To 1,000, Add	*1.15*	
		For >1,000 To 2,000, Add	*0.65*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000 To 50,000, Deduct	*-0.58*	
		For >50,000 To 100,000, Deduct	*-0.90*	
		For >100,000, Deduct	*-1.29*	
32 12 16 13-0004	SY	1-1/2" Thick Bituminous Hot Mix Intermediate Binder Course Note: Includes placement, rolling, finishing and sweeping.	11.33	
		For PG64-10 Asphalt, Add	*1.23*	
		For Up To 700, Add	*1.69*	
		For >700 To 1,400, Add	*0.95*	
		For >7,000 To 14,000, Deduct	*-0.47*	
		For >14,000 To 32,000, Deduct	*-0.86*	
		For >32,000 To 64,000, Deduct	*-1.34*	
		For >64,000, Deduct	*-1.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0005	SY	2" Thick Bituminous Hot Mix Intermediate Binder Course	14.55	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.65*	
		For Up To 500, Add	*2.10*	
		For >500 To 1,000, Add	*1.18*	
		For >5,000 To 10,000, Deduct	*-0.62*	
		For >10,000 To 24,000, Deduct	*-1.13*	
		For >24,000 To 48,000, Deduct	*-1.75*	
		For >48,000, Deduct	*-2.52*	
32 12 16 13-0006	SY	2-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	18.41	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.06*	
		For Up To 400, Add	*2.69*	
		For >400 To 800, Add	*1.51*	
		For >4,000 To 8,000, Deduct	*-0.78*	
		For >8,000 To 20,000, Deduct	*-1.42*	
		For >20,000 To 40,000, Deduct	*-2.20*	
		For >40,000, Deduct	*-3.17*	
32 12 16 13-0007	SY	3" Thick Bituminous Hot Mix Intermediate Binder Course	22.09	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.47*	
		For Up To 340, Add	*3.22*	
		For >340 To 680, Add	*2.63*	
		For >3,400 To 6,800, Deduct	*-0.94*	
		For >6,800 To 17,000, Deduct	*-1.71*	
		For >17,000 To 34,000, Deduct	*-2.64*	
		For >34,000, Deduct	*-3.80*	
32 12 16 13-0008	SY	3-1/2" Thick Bituminous Hot Mix Intermediate Binder Course	25.78	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*2.88*	
		For Up To 280, Add	*3.76*	
		For >280 To 560, Add	*2.11*	
		For >2,800 To 5,600, Deduct	*-1.09*	
		For >5,600 To 14,000, Deduct	*-1.99*	
		For >14,000 To 28,000, Deduct	*-3.08*	
		For >28,000, Deduct	*-4.43*	
32 12 16 13-0009	SY	4" Thick Bituminous Hot Mix Intermediate Binder Course	29.46	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*3.29*	
		For Up To 250, Add	*4.30*	
		For >250 To 500, Add	*2.41*	
		For >2,500 To 5,000, Deduct	*-1.25*	
		For >5,000 To 12,000, Deduct	*-2.28*	
		For >12,000 To 24,000, Deduct	*-3.52*	
		For >24,000, Deduct	*-5.06*	
32 12 16 13-0010	SY	5" Thick Bituminous Hot Mix Intermediate Binder Course	36.82	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*4.11*	
		For Up To 200, Add	*5.37*	
		For >200 To 400, Add	*3.02*	
		For >2,000 To 4,000, Deduct	*-1.56*	
		For >4,000 To 10,000, Deduct	*-2.84*	
		For >10,000 To 20,000, Deduct	*-4.40*	
		For >20,000, Deduct	*-6.33*	
32 12 16 13-0011	SY	6" Thick Bituminous Hot Mix Intermediate Binder Course	44.18	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*4.94*	
		For Up To 160, Add	*6.45*	
		For >160 To 320, Add	*3.62*	
		For >1,600 To 3,200, Deduct	*-1.87*	
		For >3,200 To 8,000, Deduct	*-3.41*	
		For >8,000 To 16,000, Deduct	*-5.28*	
		For >16,000, Deduct	*-7.60*	

32 12 16 13-0012 Surface Wearing Courses, Hot Mix Asphalt (HMA) *(32 12 16 13)*

Note: SX (1/2") aggregate gradation

32 12 16 13-0013	TON	Bituminous Hot Mix Surface Wearing Course 3,774 Lb./CY	138.10	
		Note: Includes Type A and Type B with 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping. Used for applications not described elsewhere in this section.		
		For PG64-10 Asphalt, Add	*7.15*	
		For Warm Mix Additive, Add	*6.20*	
		For Up To 25, Add	*21.51*	
		For >25 To 50, Add	*12.25*	
		For >500 To 1,000, Deduct	*-5.39*	
		For >1,000 To 2,500, Deduct	*-9.84*	
		For >2,500 To 5,000, Deduct	*-15.23*	
		For >5,000, Deduct	*-21.89*	
32 12 16 13-0014	TON	Tire Rubber Modified Paving Asphalt (TRMAC) Surface Course (MAC-15TR)	153.79	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*6.75*	
		For Up To 25, Add	*24.36*	
		For >25 To 50, Add	*13.93*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000 To 2,500, Deduct	*-10.82*	
		For >2,500 To 5,000, Deduct	*-16.74*	
		For >5,000, Deduct	*-24.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0015	TON	Asphalt Rubberized Hot Mix (ARHM) Surface Course	163.33	
		Note: Includes 1/2" to 3/4" course or medium aggregate, placement, rolling, finishing and sweeping.		
		For Warm Mix Additive, Add	*7.37*	
		For Up To 25, Add	*25.31*	
		For >25 To 50, Add	*14.40*	
		For >500 To 1,000, Deduct	*-6.40*	
		For >1,000 To 2,500, Deduct	*-11.68*	
		For >2,500 To 5,000, Deduct	*-18.08*	
		For >5,000, Deduct	*-25.99*	
32 12 16 13-0016	SY	1" Thick Bituminous Hot Mix Surface Wearing Course	7.57	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.38*	
		For Up To 1,000, Add	*1.22*	
		For >1,000 To 2,000, Add	*0.70*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000 To 50,000, Deduct	*-0.55*	
		For >50,000 To 100,000, Deduct	*-0.85*	
		For >100,000, Deduct	*-1.23*	
32 12 16 13-0017	SY	1-1/2" Thick Bituminous Hot Mix Surface Wearing Course	11.19	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.56*	
		For Up To 700, Add	*1.79*	
		For >700 To 1,400, Add	*1.02*	
		For >7,000 To 14,000, Deduct	*-0.45*	
		For >14,000 To 32,000, Deduct	*-0.82*	
		For >32,000 To 64,000, Deduct	*-1.27*	
		For >64,000, Deduct	*-1.83*	
32 12 16 13-0018	SY	2" Thick Bituminous Hot Mix Surface Wearing Course	14.26	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.75*	
		For Up To 500, Add	*2.19*	
		For >500 To 1,000, Add	*1.25*	
		For >5,000 To 10,000, Deduct	*-0.58*	
		For >10,000 To 24,000, Deduct	*-1.07*	
		For >24,000 To 48,000, Deduct	*-1.65*	
		For >48,000, Deduct	*-2.38*	
32 12 16 13-0019	SY	2-1/2" Thick Bituminous Hot Mix Surface Wearing Course	18.10	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*0.94*	
		For Up To 400, Add	*2.82*	
		For >400 To 800, Add	*1.61*	
		For >4,000 To 8,000, Deduct	*-0.74*	
		For >8,000 To 20,000, Deduct	*-1.35*	
		For >20,000 To 40,000, Deduct	*-2.09*	
		For >40,000, Deduct	*-3.00*	
32 12 16 13-0020	SY	3" Thick Bituminous Hot Mix Surface Wearing Course	21.72	
		Note: Includes placement, rolling, finishing and sweeping.		
		For PG64-10 Asphalt, Add	*1.12*	
		For Up To 340, Add	*3.38*	
		For >340 To 680, Add	*2.68*	
		For >3,400 To 6,800, Deduct	*-0.88*	
		For >6,800 To 17,000, Deduct	*-1.62*	
		For >17,000 To 34,000, Deduct	*-2.50*	
		For >34,000, Deduct	*-3.60*	
32 12 16 13-0021	CSF	Type F Asphalt Surface Cap 1/8" To 1/4" Thick For Use Only On Top Concrete Filled Trench	98.85	

32 12 16 13-0022 Hand Placed, Hot Mix Asphalt (HMA) *(32 12 16 13)*

32 12 16 13-0023	TON	Hand Placed Hot Mixed Asphalt 3,954 Lb./CY	376.39	
		Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.		

32 12 16 19 Cold-Mix Asphalt Paving *(32 12 16)*

Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.

32 12 16 19-0001 Cold Mix Asphalt (CMA) Pavement *(32 12 16 19)*

Note: 0.5 Gal asphalt/SY per inch depth; well-graded granular aggregate.

32 12 16 19-0002	SY	Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course	12.18	
32 12 16 19-0003	SY	Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course	11.79	
32 12 16 19-0004	SY	Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course	18.00	

32 12 16 39 Paving Fabrics *(32 12 16)*

See CSI section 31 32 19 16-0000 for geotextile fabric.

32 12 16 39-0001 Geotextile Paving Fabrics *(32 12 16 39)*

32 12 16 39-0002	SY	3.6 Ounce/SY, 90 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O)	1.96	
		For Up To 50, Add	*0.44*	
		For >50 To 150, Add	*0.32*	
		For >150 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 39-0003	SY	4.1 Ounce/SY, 101 Lb. Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O)	2.11	
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	

32 12 16 43 Waterproofing Membranes *(32 12 16)*

32 12 16 43-0001 Waterproofing Membranes *(32 12 16 43)*

32 12 16 43-0002	SY	Up To 500 SY, Preformed Rubberized Asphalt Membrane	35.70
32 12 16 43-0003	SY	>500 To 1,000 SY, Preformed Rubberized Asphalt Membrane	26.38
32 12 16 43-0004	SY	>1,000 SY, Preformed Rubberized Asphalt Membrane	15.75

32 12 33 Flexible Paving Surface Treatments *(32 12)*

32 12 33 00-0001 Bituminous Surface Treatment For Roadways *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 30 Lb. of gravel/SY.

32 12 33 00-0002	SY	Single Course Bituminous Treatment, Prepare And Clean Surface Roadway	2.98
32 12 33 00-0003	SY	Double Course Bituminous Treatment, Prepare And Clean Surface Roadway	5.43

32 12 33 00-0004 Bituminous Surface Treatment For Trails *(32 12 33)*

Note: 0.25 Gallon bitumen per SY and 20 Lb. of gravel/SY.

32 12 33 00-0005	SY	Bituminous Surface Treatment, For Trails	1.94

32 12 36 Seal Coats *(32 12)*

See CSI section 32 01 13 62-0000 for slurry seal.

32 12 36 13 Asphaltic Seal and Fog Coats *(32 12 36)*

32 12 36 13-0001 Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, rolling and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping.

32 12 36 13-0002 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0003	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.34
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0004	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.82
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0005	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.60
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0006	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.34
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0007	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.20
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0008	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.08
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0009	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.96
		For Each Additional 0.5% Latex Additive, Add	*0.63*
32 12 36 13-0010	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	3.88
		For Each Additional 0.5% Latex Additive, Add	*0.63*

32 12 36 13-0011 Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.

32 12 36 13-0012	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.22
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0013	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.64
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0014	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.35
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0015	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.20
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0016	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.88
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0017	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.69
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0018	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.52
		For Each Additional 0.5% Latex Additive, Add	*0.78*
32 12 36 13-0019	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.43
		For Each Additional 0.5% Latex Additive, Add	*0.78*

32 12 36 13-0020 Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0021	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.03
		For Each Additional 0.5% Latex Additive, Add	*0.93*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0022	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.38	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0023	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.06	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0024	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.69	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0025	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.49	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0026	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.20	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0027	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.02	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0028	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.91	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	

32 12 36 13-0029 Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)

(32 12 36 13-0001)

Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.

32 12 36 13-0030	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.10	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0031	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.45	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0032	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	6.12	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0033	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.75	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0034	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.55	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0035	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.37	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0036	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	5.10	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0037	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	4.99	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	

32 12 36 13-0038 Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) *(32 12 36 13-0001)*

Note: First coat 23 to 30 Pounds Per SY of 1/2" No. 4 with 0.20 to 0.35 gallons asphalt emulsion per SY, Second coat 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.20 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0039	SY	Up To 200 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	10.71	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0040	SY	>200 To 500 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.86	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0041	SY	>500 To 1,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	9.38	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0042	SY	>1,000 To 5,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.83	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0043	SY	>5,000 To 10,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.53	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0044	SY	>10,000 To 20,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	8.18	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0045	SY	>20,000 To 50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.89	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	
32 12 36 13-0046	SY	>50,000 SY, Double Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal)	7.76	
		For Each Additional 0.5% Latex Additive, Add	*1.54*	

32 12 36 13-0047 Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13)*

Note: Includes initial sweeping prior to placement, cleaning of area, towed broom sled of scrub brush and final sweeping. Excludes crack repair, fog sealer, and any additional consecutive days sweeping following final sweeping. See CSI section 32 12 36 13-0084 for fog seal.

32 12 36 13-0048 Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal) *(32 12 36 13-0047)*

Note: 12 to 20 Pounds Per SY of 1/4" No. 10 with 0.15 to 0.30 gallons asphalt emulsion per SY.

32 12 36 13-0049	SY	Up To 200 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.84	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0050	SY	>200 To 500 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.55	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0051	SY	>500 To 1,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.34	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0052	SY	>1,000 To 5,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.12	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0053	SY	>5,000 To 10,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.00	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0054	SY	>10,000 To 20,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.90	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0055	SY	>20,000 To 50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.79	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	
32 12 36 13-0056	SY	>50,000 SY, Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	3.74	
		For Each Additional 0.5% Latex Additive, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0057		**Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 16 to 25 Pounds Per SY of 5/16" No. 8 with 0.25 to 0.35 gallons asphalt emulsion per SY.		
32 12 36 13-0058	SY	Up To 200 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.76	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0059	SY	>200 To 500 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.40	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0060	SY	>500 To 1,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.18	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0061	SY	>1,000 To 5,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.01	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0062	SY	>5,000 To 10,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.69	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0063	SY	>10,000 To 20,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.51	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0064	SY	>20,000 To 50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.37	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0065	SY	>50,000 SY, Medium Fine Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.31	
		For Each Additional 0.5% Latex Additive, Add	*0.78*	
32 12 36 13-0066		**Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 20 to 30 Pounds Per SY of 3/8" No. 6 with 0.25 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0067	SY	Up To 200 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.61	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0068	SY	>200 To 500 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.17	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0069	SY	>500 To 1,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.85	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0070	SY	>1,000 To 5,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.50	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0071	SY	>5,000 To 10,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.30	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0072	SY	>10,000 To 20,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.03	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0073	SY	>20,000 To 50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.85	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0074	SY	>50,000 SY, Medium Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.79	
		For Each Additional 0.5% Latex Additive, Add	*0.93*	
32 12 36 13-0075		**Course Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)** *(32 12 36 13-0047)* Note: 23 to 35 Pounds Per SY of 1/2" No. 4 with 0.30 to 0.40 gallons asphalt emulsion per SY.		
32 12 36 13-0076	SY	Up To 200 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.69	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0077	SY	>200 To 500 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	6.26	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0078	SY	>500 To 1,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.92	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0079	SY	>1,000 To 5,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.56	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0080	SY	>5,000 To 10,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.37	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0081	SY	>10,000 To 20,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	5.20	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0082	SY	>20,000 To 50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.93	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0083	SY	>50,000 SY, Coarse Screenings - PMCRS-2h, Asphalt Emulsion Seal Coat (Scrub Seal)	4.87	
		For Each Additional 0.5% Latex Additive, Add	*1.07*	
32 12 36 13-0084		**Fog Seal, CQS-1h** *(32 12 36 13)* Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0085	SY	Up To 200 SY, CQS-1h, Fog Seal	1.99	
32 12 36 13-0086	SY	>200 To 500 SY, CQS-1h, Fog Seal	1.45	
32 12 36 13-0087	SY	>500 To 1,000 SY, CQS-1h, Fog Seal	1.25	
32 12 36 13-0088	SY	>1,000 To 5,000 SY, CQS-1h, Fog Seal	1.07	
32 12 36 13-0089	SY	>5,000 To 10,000 SY, CQS-1h, Fog Seal	0.98	
32 12 36 13-0090	SY	>10,000 To 20,000 SY, CQS-1h, Fog Seal	0.91	
32 12 36 13-0091	SY	>20,000 To 50,000 SY, CQS-1h, Fog Seal	0.84	
32 12 36 13-0092	SY	>50,000 SY, CQS-1h, Fog Seal	0.82	
32 12 36 13-0093		**Sand Sealer** *(32 12 36 13)* Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0094	SY	Up To 200 SY, Sand Seal	2.96	
32 12 36 13-0095	SY	>200 To 500 SY, Sand Seal	1.97	
32 12 36 13-0096	SY	>500 To 1,000 SY, Sand Seal	1.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 36 13-0097	SY	>1,000 To 5,000 SY, Sand Seal	1.72	
32 12 36 13-0098	SY	>5,000 To 10,000 SY, Sand Seal	1.60	
32 12 36 13-0099	SY	>10,000 To 20,000 SY, Sand Seal	1.49	
32 12 36 13-0100	SY	>20,000 To 50,000 SY, Sand Seal	1.41	
32 12 36 13-0101	SY	>50,000 SY, Sand Seal	1.39	

32 12 36 16 Coal Tar Seal Coats *(32 12 36)*

32 12 36 16-0001 Thermoplastic Coal-Tar Asphalt Seal *(32 12 36 16)*

Note: Includes sweeping and cleaning of area.

32 12 36 16-0002	SY	Up To 500 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	17.29	
32 12 36 16-0003	SY	>500 To 1,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	16.30	
32 12 36 16-0004	SY	>1,000 To 5,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	14.38	
32 12 36 16-0005	SY	>5,000 To 20,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	12.94	
32 12 36 16-0006	SY	>20,000 To 50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	11.03	
32 12 36 16-0007	SY	>50,000 SY, Type I Thermoplastic Coal-Tar Asphalt Seal	9.10	
32 12 36 16-0008	SY	Up To 500 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	21.11	
32 12 36 16-0009	SY	>500 To 1,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	19.98	
32 12 36 16-0010	SY	>1,000 To 5,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	17.67	
32 12 36 16-0011	SY	>5,000 To 20,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	15.97	
32 12 36 16-0012	SY	>20,000 To 50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	13.66	
32 12 36 16-0013	SY	>50,000 SY, Type II Thermoplastic Coal-Tar Asphalt Seal	11.34	

32 12 36 23 Fuel-Resistant Sealers *(32 12 36)*

32 12 36 23-0001 Guardtop Seal Coat *(32 12 36 23)*

Note: Includes sweeping and cleaning of area.

32 12 36 23-0002	SY	GuardTop® Asphalt Based Sealcoat (Two Coats)	3.28	
		For 3% Polyglass Additive, Add	*0.40*	
		For 6% Polyglass Additive, Add	*0.72*	
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*	
32 12 36 23-0003	LF	GuardTop® Cold Pour Crack Filler	1.36	
32 12 36 23-0004	LF	GuardTop® Hot Pour Crack Filler	1.54	
32 12 36 23-0005	SY	GuardTop® Oil Spot Primer For Asphalt	6.07	
32 12 36 23-0006	SY	GuardTop® Ultra, Polymer Modified, Asphalt Based Sealcoat (Two Coats)	4.36	
		For 3% Polyglass Additive, Add	*0.40*	
		For 6% Polyglass Additive, Add	*0.72*	
		For Guardtop Black Sand 60 Mesh Additive (At 3 Pounds Per Gallon), Add	*0.27*	

32 12 43 Porous Flexible Paving *(32 12)*

32 12 43 00-0001 Flexible Recycled Plastic Porous Grid *(32 12 43)*

Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod.

32 12 43 00-0002	SY	1" Thick, Recycled Plastic Flexible Pavement With Sand Fill Note: Includes sand fill in rings. Excludes base, earthwork and grass or sod. Invisible Structures, Inc.; Grasspave2.	39.76	
		For Up To 100, Add	*13.30*	
		For >100 To 500, Add	*3.33*	
		For >1,000 To 5,000, Deduct	*-1.35*	
		For >5,000, Deduct	*-2.81*	

32 12 73 Asphalt Paving Joint Sealants *(32 12)*

32 12 73 00-0001 Expansion Joint In Sidewalk *(32 12 73)*

32 12 73 00-0002	LF	For Hot Asphalt Poured Over Expansion Joint In Sidewalk	3.52	

32 13 Rigid Paving *(32 10)*

32 13 13 Concrete Paving *(32 13)*

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

32 13 13 33 Plain Concrete Paving *(32 13 13)*

32 13 13 33-0001 Concrete Paving Assemblies *(32 13 13 33)*

Note: Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

32 13 13 33-0002 4,500 PSI Concrete Paving Assembly *(32 13 13 33-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0003	SY	4" 4,500 PSI Concrete Paving Assembly	64.52	
		For 2,500 PSI Concrete, Deduct	*-3.84*	
		For 3,000 PSI Concrete, Deduct	*-2.50*	
		For 3,500 PSI Concrete, Deduct	*-2.00*	
		For 4,000 PSI Concrete, Deduct	*-0.87*	
		For 5,000 PSI Concrete, Add	*0.53*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*4.34*	
		For <12' Wide Pass, Add	*11.13*	
		For 24' Or Greater Wide Pass, Deduct	*-12.90*	
		For Air Entrainment, Add	*1.67*	
		For Slipforming, Deduct	*-6.45*	
		For Up To 100, Add	*25.37*	
		For >100 To 250, Add	*14.35*	
		For >250 To 500, Add	*7.18*	
		For >1,000 To 2,000, Deduct	*-1.67*	
		For >2,000 To 5,000, Deduct	*-3.28*	
		For >5,000 To 10,000, Deduct	*-4.89*	
		For >10,000 To 20,000, Deduct	*-6.51*	
		For >20,000, Deduct	*-8.12*	
32 13 13 33-0004	SY	5" 4,500 PSI Concrete Paving Assembly	76.50	
		For 2,500 PSI Concrete, Deduct	*-4.82*	
		For 3,000 PSI Concrete, Deduct	*-3.14*	
		For 3,500 PSI Concrete, Deduct	*-2.51*	
		For 4,000 PSI Concrete, Deduct	*-1.09*	
		For 5,000 PSI Concrete, Add	*0.67*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.44*	
		For <12' Wide Pass, Add	*12.84*	
		For 24' Or Greater Wide Pass, Deduct	*-15.30*	
		For Air Entrainment, Add	*2.09*	
		For Slipforming, Deduct	*-7.65*	
		For Up To 100, Add	*29.15*	
		For >100 To 250, Add	*16.67*	
		For >250 To 500, Add	*8.33*	
		For >1,000 To 2,000, Deduct	*-2.09*	
		For >2,000 To 5,000, Deduct	*-4.01*	
		For >5,000 To 10,000, Deduct	*-5.92*	
		For >10,000 To 20,000, Deduct	*-7.83*	
		For >20,000, Deduct	*-9.74*	
32 13 13 33-0005	SY	6" 4,500 PSI Concrete Paving Assembly	81.68	
		For 2,500 PSI Concrete, Deduct	*-5.08*	
		For 3,000 PSI Concrete, Deduct	*-3.31*	
		For 3,500 PSI Concrete, Deduct	*-2.65*	
		For 4,000 PSI Concrete, Deduct	*-1.15*	
		For 5,000 PSI Concrete, Add	*0.71*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*5.74*	
		For <12' Wide Pass, Add	*13.79*	
		For 24' Or Greater Wide Pass, Deduct	*-16.34*	
		For Air Entrainment, Add	*2.21*	
		For Slipforming, Deduct	*-8.17*	
		For Up To 100, Add	*31.34*	
		For >100 To 250, Add	*17.88*	
		For >250 To 500, Add	*8.94*	
		For >1,000 To 2,000, Deduct	*-2.21*	
		For >2,000 To 5,000, Deduct	*-4.25*	
		For >5,000 To 10,000, Deduct	*-6.29*	
		For >10,000 To 20,000, Deduct	*-8.33*	
		For >20,000, Deduct	*-10.38*	
32 13 13 33-0006	SY	7" 4,500 PSI Concrete Paving Assembly	97.25	
		For 2,500 PSI Concrete, Deduct	*-6.41*	
		For 3,000 PSI Concrete, Deduct	*-4.18*	
		For 3,500 PSI Concrete, Deduct	*-3.34*	
		For 4,000 PSI Concrete, Deduct	*-1.45*	
		For 5,000 PSI Concrete, Add	*0.89*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.24*	
		For <12' Wide Pass, Add	*15.96*	
		For 24' Or Greater Wide Pass, Deduct	*-19.45*	
		For Air Entrainment, Add	*2.79*	
		For Slipforming, Deduct	*-9.73*	
		For Up To 100, Add	*36.07*	
		For >100 To 250, Add	*20.82*	
		For >250 To 500, Add	*10.41*	
		For >1,000 To 2,000, Deduct	*-2.79*	
		For >2,000 To 5,000, Deduct	*-5.22*	
		For >5,000 To 10,000, Deduct	*-7.65*	
		For >10,000 To 20,000, Deduct	*-10.08*	
		For >20,000, Deduct	*-12.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0007	SY	8" 4,500 PSI Concrete Paving Assembly	111.00	
		For 2,500 PSI Concrete, Deduct	*-7.03*	
		For 3,000 PSI Concrete, Deduct	*-4.58*	
		For 3,500 PSI Concrete, Deduct	*-3.67*	
		For 4,000 PSI Concrete, Deduct	*-1.59*	
		For 5,000 PSI Concrete, Add	*0.98*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*7.95*	
		For <12' Wide Pass, Add	*18.58*	
		For 24' Or Greater Wide Pass, Deduct	*-22.20*	
		For Air Entrainment, Add	*3.06*	
		For Slipforming, Deduct	*-11.10*	
		For Up To 100, Add	*42.15*	
		For >100 To 250, Add	*24.13*	
		For >250 To 500, Add	*12.07*	
		For >1,000 To 2,000, Deduct	*-3.06*	
		For >2,000 To 5,000, Deduct	*-5.83*	
		For >5,000 To 10,000, Deduct	*-8.61*	
		For >10,000 To 20,000, Deduct	*-11.38*	
		For >20,000, Deduct	*-14.16*	
32 13 13 33-0008	SY	9" 4,500 PSI Concrete Paving Assembly	125.69	
		For 2,500 PSI Concrete, Deduct	*-8.12*	
		For 3,000 PSI Concrete, Deduct	*-5.30*	
		For 3,500 PSI Concrete, Deduct	*-4.24*	
		For 4,000 PSI Concrete, Deduct	*-1.84*	
		For 5,000 PSI Concrete, Add	*1.13*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*9.18*	
		For <12' Wide Pass, Add	*20.83*	
		For 24' Or Greater Wide Pass, Deduct	*-25.14*	
		For Air Entrainment, Add	*3.53*	
		For Slipforming, Deduct	*-12.57*	
		For Up To 100, Add	*47.16*	
		For >100 To 250, Add	*27.11*	
		For >250 To 500, Add	*13.56*	
		For >1,000 To 2,000, Deduct	*-3.53*	
		For >2,000 To 5,000, Deduct	*-6.67*	
		For >5,000 To 10,000, Deduct	*-9.82*	
		For >10,000 To 20,000, Deduct	*-12.96*	
		For >20,000, Deduct	*-16.10*	
32 13 13 33-0009	SY	10" 4,500 PSI Concrete Paving Assembly	140.03	
		For 2,500 PSI Concrete, Deduct	*-8.94*	
		For 3,000 PSI Concrete, Deduct	*-5.83*	
		For 3,500 PSI Concrete, Deduct	*-4.66*	
		For 4,000 PSI Concrete, Deduct	*-2.02*	
		For 5,000 PSI Concrete, Add	*1.24*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*10.10*	
		For <12' Wide Pass, Add	*23.35*	
		For 24' Or Greater Wide Pass, Deduct	*-28.01*	
		For Air Entrainment, Add	*3.89*	
		For Slipforming, Deduct	*-14.00*	
		For Up To 100, Add	*52.94*	
		For >100 To 250, Add	*30.35*	
		For >250 To 500, Add	*15.18*	
		For >1,000 To 2,000, Deduct	*-3.89*	
		For >2,000 To 5,000, Deduct	*-7.39*	
		For >5,000 To 10,000, Deduct	*-10.89*	
		For >10,000 To 20,000, Deduct	*-14.39*	
		For >20,000, Deduct	*-17.89*	
32 13 13 33-0010	SY	12" 4,500 PSI Concrete Paving Assembly	166.81	
		For 2,500 PSI Concrete, Deduct	*-10.58*	
		For 3,000 PSI Concrete, Deduct	*-6.90*	
		For 3,500 PSI Concrete, Deduct	*-5.52*	
		For 4,000 PSI Concrete, Deduct	*-2.39*	
		For 5,000 PSI Concrete, Add	*1.47*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*11.96*	
		For <12' Wide Pass, Add	*27.90*	
		For 24' Or Greater Wide Pass, Deduct	*-33.36*	
		For Air Entrainment, Add	*4.60*	
		For Slipforming, Deduct	*-16.68*	
		For Up To 100, Add	*63.28*	
		For >100 To 250, Add	*36.24*	
		For >250 To 500, Add	*18.12*	
		For >1,000 To 2,000, Deduct	*-4.60*	
		For >2,000 To 5,000, Deduct	*-8.77*	
		For >5,000 To 10,000, Deduct	*-12.94*	
		For >10,000 To 20,000, Deduct	*-17.11*	
		For >20,000, Deduct	*-21.28*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0011	SY	15" 4,500 PSI Concrete Paving Assembly	212.27	
		For 2,500 PSI Concrete, Deduct	*-13.00*	
		For 3,000 PSI Concrete, Deduct	*-8.48*	
		For 3,500 PSI Concrete, Deduct	*-6.78*	
		For 4,000 PSI Concrete, Deduct	*-2.94*	
		For 5,000 PSI Concrete, Add	*1.81*	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	*14.69*	
		For <12' Wide Pass, Add	*36.12*	
		For 24' Or Greater Wide Pass, Deduct	*-42.45*	
		For Air Entrainment, Add	*5.65*	
		For Slipforming, Deduct	*-21.23*	
		For Up To 100, Add	*82.16*	
		For >100 To 250, Add	*46.73*	
		For >250 To 500, Add	*23.37*	
		For >1,000 To 2,000, Deduct	*-5.65*	
		For >2,000 To 5,000, Deduct	*-10.96*	
		For >5,000 To 10,000, Deduct	*-16.26*	
		For >10,000 To 20,000, Deduct	*-21.57*	
		For >20,000, Deduct	*-26.88*	

32 13 16 Decorative Concrete Paving *(32 13)*

32 13 16 13 Patterned Concrete Paving *(32 13 16)*

See CSI section 32 17 26 00-0000 for tactile warning surfaces.

32 13 16 13-0001	SF	For Patterned (Tactile) Finish In Concrete Sidewalk	5.47	

32 13 43 Pervious Concrete Paving *(32 13)*

32 13 43 00-0001 Pervious Concrete Assemblies *(32 13 43)*

Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.

32 13 43 00-0002	SF	6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	18.57	
		For >5,000 To 30,000, Deduct	*-1.98*	
		For >30,000 To 100,000, Deduct	*-3.61*	
		For >100,000, Deduct	*-4.48*	
32 13 43 00-0003	SF	9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.	23.61	
		For >5,000 To 30,000, Deduct	*-2.44*	
		For >30,000 To 100,000, Deduct	*-4.38*	
		For >100,000, Deduct	*-5.44*	

32 13 73 Concrete Paving Joint Sealants *(32 13)*

32 13 73 13 Fuel-Resistant Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 13-0001 Concrete Pavement Joint And Crack Repair *(32 13 73 13)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 13-0002 Silicone Concrete Pavement Joint And Crack Repair *(32 13 73 13-0001)*

32 13 73 13-0003	CLF	1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	634.57	
		For Custom Match Coloring, Add	*20.74*	
		For 1 Part Mildew Resistant, Add	*30.25*	
		For High-Modulus Non-Acid Curing, Add	*17.29*	
32 13 73 13-0004	CLF	1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	714.33	
		For Custom Match Coloring, Add	*31.12*	
		For 1 Part Mildew Resistant, Add	*45.38*	
		For High-Modulus Non-Acid Curing, Add	*25.93*	
32 13 73 13-0005	CLF	1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	794.08	
		For Custom Match Coloring, Add	*41.49*	
		For 1 Part Mildew Resistant, Add	*60.50*	
		For High-Modulus Non-Acid Curing, Add	*34.57*	
32 13 73 13-0006	CLF	3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	815.69	
		For Custom Match Coloring, Add	*46.67*	
		For 1 Part Mildew Resistant, Add	*68.06*	
		For High-Modulus Non-Acid Curing, Add	*38.89*	
32 13 73 13-0007	CLF	3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	898.78	
		For Custom Match Coloring, Add	*62.23*	
		For 1 Part Mildew Resistant, Add	*90.75*	
		For High-Modulus Non-Acid Curing, Add	*51.86*	
32 13 73 13-0008	CLF	3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	981.87	
		For Custom Match Coloring, Add	*77.79*	
		For 1 Part Mildew Resistant, Add	*113.44*	
		For High-Modulus Non-Acid Curing, Add	*64.82*	
32 13 73 13-0009	CLF	3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,083.25	
		For Custom Match Coloring, Add	*93.35*	
		For 1 Part Mildew Resistant, Add	*136.13*	
		For High-Modulus Non-Acid Curing, Add	*77.79*	
32 13 73 13-0010	CLF	1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,003.48	
		For Custom Match Coloring, Add	*82.97*	
		For 1 Part Mildew Resistant, Add	*121.00*	
		For High-Modulus Non-Acid Curing, Add	*69.14*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 73 13-0011		CLF	1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,163.00	
			For Custom Match Coloring, Add	*103.72*	
			For 1 Part Mildew Resistant, Add	*151.25*	
			For High-Modulus Non-Acid Curing, Add	*86.43*	
32 13 73 13-0012		CLF	1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,285.97	
			For Custom Match Coloring, Add	*124.46*	
			For 1 Part Mildew Resistant, Add	*181.50*	
			For High-Modulus Non-Acid Curing, Add	*103.72*	
32 13 73 13-0013		CLF	1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,408.95	
			For Custom Match Coloring, Add	*145.20*	
			For 1 Part Mildew Resistant, Add	*211.75*	
			For High-Modulus Non-Acid Curing, Add	*121.00*	
32 13 73 13-0014		CLF	1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,513.65	
			For Custom Match Coloring, Add	*165.95*	
			For 1 Part Mildew Resistant, Add	*242.00*	
			For High-Modulus Non-Acid Curing, Add	*138.29*	
32 13 73 13-0015		CLF	3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,618.35	
			For Custom Match Coloring, Add	*186.69*	
			For 1 Part Mildew Resistant, Add	*272.25*	
			For High-Modulus Non-Acid Curing, Add	*155.57*	
32 13 73 13-0016		CLF	3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	1,957.40	
			For Custom Match Coloring, Add	*259.29*	
			For 1 Part Mildew Resistant, Add	*378.13*	
			For High-Modulus Non-Acid Curing, Add	*216.08*	
32 13 73 13-0017		CLF	1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair	2,296.45	
			For Custom Match Coloring, Add	*331.89*	
			For 1 Part Mildew Resistant, Add	*484.01*	
			For High-Modulus Non-Acid Curing, Add	*276.58*	

32 13 73 16 Field-Molded Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 16-0001 Preformed Elastomeric Concrete Pavement Joint And Crack Repair *(32 13 73 16)*

Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.

32 13 73 16-0002		LF	Joint Sealing, Concrete Pavement Preformed Elastomeric	13.38	

32 13 73 19 Compression Concrete Paving Joint Sealants *(32 13 73)*

32 13 73 19-0001 Silicone Joint Sealant For Concrete Pavement *(32 13 73 19)*

Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.

32 13 73 19-0002		CLF	1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	530.97	116.16
			For >25 To 50, Deduct	*-13.94*	
			For >50 To 100, Deduct	*-28.21*	
			For >100 To 175, Deduct	*-41.48*	
			For >175 To 250, Deduct	*-56.41*	
			For >250, Deduct	*-71.35*	
32 13 73 19-0003		CLF	3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	593.89	123.91
			For >25 To 50, Deduct	*-15.83*	
			For >50 To 100, Deduct	*-32.15*	
			For >100 To 175, Deduct	*-47.00*	
			For >175 To 250, Deduct	*-64.30*	
			For >250, Deduct	*-81.61*	
32 13 73 19-0004		CLF	1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	663.94	131.65
			For >25 To 50, Deduct	*-17.97*	
			For >50 To 100, Deduct	*-36.63*	
			For >100 To 175, Deduct	*-53.23*	
			For >175 To 250, Deduct	*-73.26*	
			For >250, Deduct	*-93.29*	
32 13 73 19-0005		CLF	3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	902.06	147.13
			For >25 To 50, Deduct	*-25.69*	
			For >50 To 100, Deduct	*-52.94*	
			For >100 To 175, Deduct	*-75.49*	
			For >175 To 250, Deduct	*-105.88*	
			For >250, Deduct	*-136.27*	
32 13 73 19-0006		CLF	1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,227.73	174.24
			For >25 To 50, Deduct	*-36.00*	
			For >50 To 100, Deduct	*-74.66*	
			For >100 To 175, Deduct	*-105.35*	
			For >175 To 250, Deduct	*-149.31*	
			For >250, Deduct	*-193.27*	
32 13 73 19-0007		CLF	1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	1,621.47	193.60
			For >25 To 50, Deduct	*-49.01*	
			For >50 To 100, Deduct	*-102.25*	
			For >100 To 175, Deduct	*-142.79*	
			For >175 To 250, Deduct	*-204.50*	
			For >250, Deduct	*-266.21*	
32 13 73 19-0008		CLF	2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement	2,078.60	215.11
			For >25 To 50, Deduct	*-64.15*	
			For >50 To 100, Deduct	*-134.38*	
			For >100 To 175, Deduct	*-186.35*	
			For >175 To 250, Deduct	*-268.77*	
			For >250, Deduct	*-351.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 14 Unit Paving *(32 10)*

32 14 09 Paver Restraints *(32 14)*

32 14 09 00-0001 Paver Restraints *(32 14 09)*

Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.

32 14 09 00-0002	LF	Up To 2" Height, Vinyl Paver Restraint	5.26	1.17
		For >1,000 To 2,000, Deduct	*-0.75*	
		For >2,000 To 4,000, Deduct	*-1.09*	
		For >4,000, Deduct	*-1.39*	
32 14 09 00-0003	LF	Up To 2" Height, Galvanized Steel Paver Restraint	5.71	1.17
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.39*	
		For >2,000, Deduct	*-0.58*	
32 14 09 00-0004	LF	Up To 1" Height, Aluminum Paver Restraint	5.49	1.17
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 1,500, Deduct	*-0.91*	
32 14 09 00-0005	LF	>1" To 2" Height, Aluminum Paver Restraint	6.50	1.17
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.70*	
		For >1,000 To 1,500, Deduct	*-1.16*	
32 14 09 00-0006	LF	>2" To 3" Height, Aluminum Paver Restraint	8.46	1.17
		For >250 To 500, Deduct	*-0.66*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 1,500, Deduct	*-1.65*	
32 14 09 00-0007	LF	>3" To 4" Height, Aluminum Paver Restraint	9.96	1.17
		For >250 To 500, Deduct	*-0.81*	
		For >500 To 1,000, Deduct	*-1.22*	
		For >1,000 To 1,500, Deduct	*-2.03*	

32 14 11 Bedding for Unit Paving *(32 14)*

32 14 11 00-0001 Bedding For Brick, Precast Concrete Paver And Stone Sidewalk *(32 14 11)*

Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 14 11 00-0002	SF	1" To 2" Screeded Sand Bedding	1.07	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.14*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	
32 14 11 00-0003	SF	1" To 2" Screeded Stone Dust Bedding	1.24	
		For Up To 100, Add	*0.53*	
		For >100 To 500, Add	*0.15*	
		For >1,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.14*	
32 14 11 00-0004	SF	3" Screeded Stone Dust Bedding	1.58	
		For Up To 100, Add	*0.65*	
		For >100 To 500, Add	*0.18*	
		For >1,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.17*	
32 14 11 00-0005	SF	4" Screeded Stone Dust Bedding	2.00	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.22*	
		For >1,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.21*	
32 14 11 00-0006	SF	1" Mortar Bedding	3.50	
		For Up To 100, Add	*1.58*	
		For >100 To 500, Add	*0.46*	
		For >1,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.44*	
32 14 11 00-0007	SF	2" Mortar Bedding	5.14	
		For Up To 100, Add	*2.22*	
		For >100 To 500, Add	*0.63*	
		For >1,000 To 5,000, Deduct	*-0.37*	
		For >5,000, Deduct	*-0.60*	
32 14 11 00-0008	SF	Thin-Set Latex Portland Cement Mortar	1.75	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.24*	
		For >1,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.23*	

32 14 13 Precast Concrete Unit Paving *(32 14)*

32 14 13 16 Precast Concrete Unit Paving Slabs *(32 14 13)*

32 14 13 16-0001 Precast Concrete Paver Sidewalk *(32 14 13 16)*

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 13 16-0002	SF	2-3/8" Thick, Up To 32 SI Precast Concrete Paver	12.66	3.49
		Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.20*	
		For 3-1/8" Concrete Paver, Add	*1.94*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.98*	
		For Up To 100, Add	*4.92*	
		For >100 To 500, Add	*1.33*	
		For >1,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-1.22*	
32 14 13 16-0003	SF	2-3/8" Thick, >32 to 64 SI Precast Concrete Paver	12.03	3.18
		Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.17*	
		For 3-1/8" Concrete Paver, Add	*1.89*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.92*	
		For Up To 100, Add	*4.60*	
		For >100 To 500, Add	*1.24*	
		For >1,000 To 5,000, Deduct	*-0.64*	
		For >5,000, Deduct	*-1.13*	
32 14 13 16-0004	SF	2-3/8" Thick, >64 to 144 SI Precast Concrete Paver	11.44	2.53
		Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.14*	
		For 3-1/8" Concrete Paver, Add	*1.85*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.86*	
		For Up To 100, Add	*4.31*	
		For >100 To 500, Add	*1.15*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.04*	
32 14 13 16-0005	SF	2-3/8" Thick, >144 SI Precast Concrete Paver	10.92	2.63
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For 2-3/4" Concrete Paver, Add	*1.11*	
		For 3-1/8" Concrete Paver, Add	*1.81*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.81*	
		For Up To 100, Add	*4.05*	
		For >100 To 500, Add	*1.07*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-0.96*	
32 14 13 16-0006	SF	2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns	11.73	3.02
		Note: Patterns made by combining pavers from two or more size groups.		
		For 2-3/4" Concrete Paver, Add	*1.15*	
		For 3-1/8" Concrete Paver, Add	*1.87*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.89*	
		For Up To 100, Add	*4.45*	
		For >100 To 500, Add	*1.19*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.08*	

32 14 13 19 Porous Precast Concrete Unit Paving *(32 14 13)*

32 14 13 19-0001 Turf Block *(32 14 13 19)*

Note: Grass grid, open-cell unit paver, geoblock.

32 14 13 19-0002	SF	3-1/8" Thick, Precast Concrete Turf Block	12.94	3.02
		For Up To 100, Add	*4.75*	
		For >100 To 500, Add	*1.25*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.12*	

32 14 16 Brick Unit Paving *(32 14)*

32 14 16 00-0001 Brick Paver Sidewalk *(32 14 16)*

Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 16 00-0002	SF	4" x 8" x 2-1/4" Brick Paver, Laid Flat	16.03	3.49
		For 1-3/8" Thick Paver, Deduct	*-3.51*	
		For 2-3/4" Thick Paver (Vehicular), Add	*8.06*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.15*	
		For Up To 100, Add	*5.76*	
		For >100 To 500, Add	*1.50*	
		For >1,000 To 5,000, Deduct	*-0.70*	
		For >5,000, Deduct	*-1.32*	
32 14 16 00-0003	SF	4" x 8" x 2-1/4" Brick, Laid On Edge	24.02	3.99
		For 1-3/8" Thick Paver, Deduct	*-6.02*	
		For 2-3/4" Thick Paver (Vehicular), Add	*14.10*	
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.60*	
		For Up To 100, Add	*8.00*	
		For >100 To 500, Add	*2.00*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.68*	

32 14 33 Plastic Paving *(32 14)*

32 14 33 13 Permeable Plastic Paving *(32 14 33)*

32 14 33 13-0001 Turf Block Plastic Paving *(32 14 33 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 33 13-0002	SF	4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block	19.70	3.02
		For Up To 100, Add	*6.44*	
		For >100 To 500, Add	*1.59*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.32*	

32 14 40 Stone Paving *(32 14)*

32 14 40 00-0001 Slate Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0002	SF	1" Thick, Up to 54 SI Slate Paver	16.56	2.90
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.12*	
		For 1/4" Thick Paver, Deduct	*-8.34*	
		For 1/2" Thick Paver, Deduct	*-5.83*	
		For Up To 100, Add	*5.59*	
		For >100 To 500, Add	*1.41*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.19*	
32 14 40 00-0003	SF	1" Thick, >54 to 108 SI Slate Paver	16.04	2.63
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.07*	
		For 1/4" Thick Paver, Deduct	*-8.21*	
		For 1/2" Thick Paver, Deduct	*-5.75*	
		For Up To 100, Add	*5.33*	
		For >100 To 500, Add	*1.33*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.11*	
32 14 40 00-0004	SF	1" Thick, >108 to 216 SI Slate Paver	15.13	2.17
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.97*	
		For 1/4" Thick Paver, Deduct	*-7.99*	
		For 1/2" Thick Paver, Deduct	*-5.61*	
		For Up To 100, Add	*4.87*	
		For >100 To 500, Add	*1.19*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-0.98*	
32 14 40 00-0005	SF	1" Thick, >216 SI Slate Paver	14.74	1.97
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*0.94*	
		For 1/4" Thick Paver, Deduct	*-7.89*	
		For 1/2" Thick Paver, Deduct	*-5.55*	
		For Up To 100, Add	*4.68*	
		For >100 To 500, Add	*1.13*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.92*	
32 14 40 00-0006	SF	1" Thick, Slate Paver, Combinations And Patterns	15.54	2.38
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.02*	
		For 1/4" Thick Paver, Deduct	*-8.09*	
		For 1/2" Thick Paver, Deduct	*-5.67*	
		For Up To 100, Add	*5.08*	
		For >100 To 500, Add	*1.25*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-1.04*	

32 14 40 00-0007 Granite Paver Sidewalk *(32 14 40)*

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF	1" Thick, Up to 54 SI Granite Paver	31.28	2.90
		Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.85*	
		For 2" Granite Paver, Add	*1.56*	
		For 3" Granite Paver, Add	*3.13*	
		For 4" Granite Paver, Add	*3.42*	
		For Up To 100, Add	*9.27*	
		For >100 To 500, Add	*2.14*	
		For >1,000 To 5,000, Deduct	*-0.58*	
		For >5,000, Deduct	*-1.63*	
32 14 40 00-0009	SF	1" Thick, >54 to 108 SI Granite Paver	30.76	2.63
		Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.80*	
		For 2" Granite Paver, Add	*1.54*	
		For 3" Granite Paver, Add	*3.08*	
		For 4" Granite Paver, Add	*3.34*	
		For Up To 100, Add	*9.01*	
		For >100 To 500, Add	*2.06*	
		For >1,000 To 5,000, Deduct	*-0.53*	
		For >5,000, Deduct	*-1.55*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 40 00-0010	SF	1" Thick, >108 to 216 SI Granite Paver	29.85	2.17
		Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.71*	
		For 2" Granite Paver, Add	*1.49*	
		For 3" Granite Paver, Add	*2.99*	
		For 4" Granite Paver, Add	*3.20*	
		For Up To 100, Add	*8.55*	
		For >100 To 500, Add	*1.93*	
		For >1,000 To 5,000, Deduct	*-0.44*	
		For >5,000, Deduct	*-1.42*	
32 14 40 00-0011	SF	1" Thick, >216 SI Granite Paver	29.46	1.97
		Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.67*	
		For 2" Granite Paver, Add	*1.47*	
		For 3" Granite Paver, Add	*2.95*	
		For 4" Granite Paver, Add	*3.14*	
		For Up To 100, Add	*8.36*	
		For >100 To 500, Add	*1.87*	
		For >1,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-1.36*	
32 14 40 00-0012	SF	1" Thick, Granite Paver, Combinations And Patterns	30.26	2.38
		Note: Patterns made by combining pavers from two or more size groups.		
		For Cement/Sand Mix Or Polymeric Sand Joints, Add	*1.75*	
		For 2" Granite Paver, Add	*1.51*	
		For 3" Granite Paver, Add	*3.03*	
		For 4" Granite Paver, Add	*3.26*	
		For Up To 100, Add	*8.76*	
		For >100 To 500, Add	*1.99*	
		For >1,000 To 5,000, Deduct	*-0.48*	
		For >5,000, Deduct	*-1.48*	

32 14 40 00-0013 Cobble Stone *(32 14 40)*

Note: Includes 6" thick 2,500 psi concrete mix with various colors of rounded 4" to 8" diameter cobble stones, half embedded in concrete.

32 14 40 00-0014	SF	4" to 8" diameter cobble stones, various colors, Up To 500 SF	36.69	
		Note: Half embedded in minimum 6" thick 2500 psi concrete mix.		
32 14 40 00-0015	SF	4" to 8" diameter cobble stones, various colors, > 500 SF	28.85	
		Note: Half embedded in minimum 6" thick 2500 psi concrete mix.		

32 15 Aggregate Surfacing *(32 10)*

32 15 40 Crushed Stone Surfacing *(32 15)*

Note: Includes delivery up to 15 miles from supplier, placement, rolling and compaction water. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 15 40 00-0001 Gravel Surfacing And Spreading *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0002	CY	Gravel Surfacing And Spreading	106.47	

32 15 40 00-0003 Limestone Screenings *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water. For trail maintenance.

32 15 40 00-0004	CY	Limestone Screenings For Trail	71.48	

32 15 40 00-0005 Decomposed Granite *(32 15 40)*

Note: Includes delivered material, placement, rolling and compaction water.

32 15 40 00-0006	SY	3" To 4" Thick Decomposed Granite Screenings With Stabilizer Pathway	20.13	
		Note: Placed in 2 lifts.		
		For Additional 2" Lift	*10.07*	
		For >45 To 180, Deduct	*-1.34*	
		For >180 To 450, Deduct	*-1.68*	
		For >450, Deduct	*-2.02*	

32 16 Curbs, Gutters, Sidewalks, and Driveways *(32 10)*

32 16 13 Curbs and Gutters *(32 16)*

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0057 for additional saw cuts within the 100'.

32 16 13 13 Cast-In-Place Concrete Curbs and Gutters *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0001 CALTRANs Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0002	LF	CALTRANs Type A1-6 Straight Concrete Curb Assembly	28.63	12.01
		For Up To 20, Add	*16.24*	
		For >20 To 50, Add	*9.17*	
		For >50 To 100, Add	*3.53*	
		For >500 To 1,000, Deduct	*-3.53*	
		For >1,000, Deduct	*-6.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0003	LF	CALTRANs Type A1-6 Radius Concrete Curb Assembly	32.02	13.82
		For Up To 20, Add	*18.57*	
		For >20 To 50, Add	*10.50*	
		For >50 To 100, Add	*4.03*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000, Deduct	*-6.85*	
32 16 13 13-0004	LF	CALTRANs Type A1-8 Straight Concrete Curb Assembly	29.82	12.01
		For Up To 20, Add	*17.68*	
		For >20 To 50, Add	*10.01*	
		For >50 To 100, Add	*3.83*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000, Deduct	*-6.50*	
32 16 13 13-0005	LF	CALTRANs Type A1-8 Radius Concrete Curb Assembly	32.00	13.82
		For Up To 20, Add	*19.17*	
		For >20 To 50, Add	*10.86*	
		For >50 To 100, Add	*4.15*	
		For >500 To 1,000, Deduct	*-4.15*	
		For >1,000, Deduct	*-7.03*	
32 16 13 13-0006	LF	CALTRANs Type A3-6 Straight Concrete Curb Assembly	15.35	8.12
		For Up To 20, Add	*9.08*	
		For >20 To 50, Add	*5.14*	
		For >50 To 100, Add	*1.97*	
		For >500 To 1,000, Deduct	*-1.97*	
		For >1,000, Deduct	*-3.34*	
32 16 13 13-0007	LF	CALTRANs Type A3-6 Radius Concrete Curb Assembly	17.76	9.37
		For Up To 20, Add	*10.76*	
		For >20 To 50, Add	*6.10*	
		For >50 To 100, Add	*2.33*	
		For >500 To 1,000, Deduct	*-2.33*	
		For >1,000, Deduct	*-3.94*	
32 16 13 13-0008	LF	CALTRANs Type A3-8 Straight Concrete Curb Assembly	17.04	8.41
		For Up To 20, Add	*9.89*	
		For >20 To 50, Add	*5.60*	
		For >50 To 100, Add	*2.15*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.65*	
32 16 13 13-0009	LF	CALTRANs Type A3-8 Radius Concrete Curb Assembly	19.57	10.09
		For Up To 20, Add	*11.66*	
		For >20 To 50, Add	*6.61*	
		For >50 To 100, Add	*2.53*	
		For >500 To 1,000, Deduct	*-2.53*	
		For >1,000, Deduct	*-4.28*	
32 16 13 13-0010	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	26.11	12.01
		For Up To 20, Add	*14.83*	
		For >20 To 50, Add	*8.38*	
		For >50 To 100, Add	*3.23*	
		For >500 To 1,000, Deduct	*-3.23*	
		For >1,000, Deduct	*-5.49*	
32 16 13 13-0011	LF	CALTRANs Type B1-4 Straight Concrete Curb Assembly	29.19	13.82
		For Up To 20, Add	*16.95*	
		For >20 To 50, Add	*9.59*	
		For >50 To 100, Add	*3.68*	
		For >500 To 1,000, Deduct	*-3.68*	
		For >1,000, Deduct	*-6.25*	
32 16 13 13-0012	LF	CALTRANs Type B1-6 Straight Concrete Curb Assembly	29.26	12.01
		For Up To 20, Add	*16.36*	
		For >20 To 50, Add	*9.23*	
		For >50 To 100, Add	*3.57*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-6.08*	
32 16 13 13-0013	LF	CALTRANs Type B1-6 Radius Concrete Curb Assembly	32.64	13.82
		For Up To 20, Add	*18.69*	
		For >20 To 50, Add	*10.56*	
		For >50 To 100, Add	*4.07*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-6.91*	
32 16 13 13-0014	LF	CALTRANs Type B3-4 Straight Concrete Curb Assembly	110.75	7.33
		For Up To 20, Add	*76.21*	
		For >20 To 50, Add	*43.51*	
		For >50 To 100, Add	*16.35*	
		For >500 To 1,000, Deduct	*-16.35*	
		For >1,000, Deduct	*-27.29*	
32 16 13 13-0015	LF	CALTRANs Type B3-4 Radius Concrete Curb Assembly	15.60	8.41
		For Up To 20, Add	*9.61*	
		For >20 To 50, Add	*5.45*	
		For >50 To 100, Add	*2.08*	
		For >500 To 1,000, Deduct	*-2.08*	
		For >1,000, Deduct	*-3.51*	
32 16 13 13-0016	LF	CALTRANs Type B3-6 Straight Concrete Curb Assembly	15.07	7.57
		For Up To 20, Add	*8.84*	
		For >20 To 50, Add	*5.01*	
		For >50 To 100, Add	*1.92*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000, Deduct	*-3.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0017	LF	CALTRANs Type B3-6 Radius Concrete Curb Assembly	17.35	9.13
		For Up To 20, Add	*10.44*	
		For >20 To 50, Add	*5.92*	
		For >50 To 100, Add	*2.26*	
		For >500 To 1,000, Deduct	*-2.26*	
		For >1,000, Deduct	*-3.83*	
32 16 13 13-0018	LF	CALTRANs Type D-4 Straight Concrete Curb Assembly	29.55	12.01
		For Up To 20, Add	*15.52*	
		For >20 To 50, Add	*8.72*	
		For >50 To 100, Add	*3.40*	
		For >500 To 1,000, Deduct	*-3.40*	
		For >1,000, Deduct	*-5.84*	
32 16 13 13-0019	LF	CALTRANs Type D-4 Radius Concrete Curb Assembly	32.63	13.82
		For Up To 20, Add	*17.64*	
		For >20 To 50, Add	*9.93*	
		For >50 To 100, Add	*3.85*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-6.60*	
32 16 13 13-0020	LF	CALTRANs Type D-6 Straight Concrete Curb Assembly	34.48	12.01
		For Up To 20, Add	*16.51*	
		For >20 To 50, Add	*9.21*	
		For >50 To 100, Add	*3.65*	
		For >500 To 1,000, Deduct	*-3.65*	
		For >1,000, Deduct	*-6.33*	
32 16 13 13-0021	LF	CALTRANs Type D-6 Radius Concrete Curb Assembly	37.56	13.82
		For Up To 20, Add	*18.63*	
		For >20 To 50, Add	*10.43*	
		For >50 To 100, Add	*4.10*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000, Deduct	*-7.09*	

32 16 13 13-0022 CALTRANs Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0023	LF	CALTRANs Type A2-6 Straight Concrete Curb And Gutter Assembly	59.05	22.66
		For Up To 20, Add	*39.96*	
		For >20 To 50, Add	*22.25*	
		For >50 To 100, Add	*8.86*	
		For >500 To 1,000, Deduct	*-7.48*	
		For >1,000, Deduct	*-12.70*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.78*	
32 16 13 13-0024	LF	CALTRANs Type A2-6 Radius Concrete Curb And Gutter Assembly	63.81	25.05
		For Up To 20, Add	*43.29*	
		For >20 To 50, Add	*24.15*	
		For >50 To 100, Add	*9.57*	
		For >500 To 1,000, Deduct	*-8.20*	
		For >1,000, Deduct	*-13.89*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.25*	
32 16 13 13-0025	LF	CALTRANs Type A2-8 Straight Concrete Curb And Gutter Assembly	63.45	22.66
		For Up To 20, Add	*42.94*	
		For >20 To 50, Add	*23.91*	
		For >50 To 100, Add	*9.52*	
		For >500 To 1,000, Deduct	*-8.04*	
		For >1,000, Deduct	*-13.65*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.06*	
32 16 13 13-0026	LF	CALTRANs Type A2-8 Radius Concrete Curb And Gutter Assembly	68.58	25.05
		For Up To 20, Add	*46.53*	
		For >20 To 50, Add	*25.96*	
		For >50 To 100, Add	*10.29*	
		For >500 To 1,000, Deduct	*-8.81*	
		For >1,000, Deduct	*-14.93*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.57*	
32 16 13 13-0027	LF	CALTRANs Type B2-4 Straight Concrete Curb And Gutter Assembly	33.06	13.00
		For Up To 20, Add	*21.84*	
		For >20 To 50, Add	*11.92*	
		For >50 To 100, Add	*4.96*	
		For >500 To 1,000, Deduct	*-3.66*	
		For >1,000, Deduct	*-6.31*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.29*	
32 16 13 13-0028	LF	CALTRANs Type B2-4 Radius Concrete Curb And Gutter Assembly	34.97	14.31
		For Up To 20, Add	*23.18*	
		For >20 To 50, Add	*12.69*	
		For >50 To 100, Add	*5.25*	
		For >500 To 1,000, Deduct	*-3.94*	
		For >1,000, Deduct	*-6.79*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.48*	
32 16 13 13-0029	LF	CALTRANs Type B2-6 Straight Concrete Curb And Gutter Assembly	39.27	14.31
		For Up To 20, Add	*26.07*	
		For >20 To 50, Add	*14.29*	
		For >50 To 100, Add	*5.89*	
		For >500 To 1,000, Deduct	*-4.47*	
		For >1,000, Deduct	*-7.68*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0030	LF	CALTRANs Type B2-6 Radius Concrete Curb And Gutter Assembly	41.65	19.08
		For Up To 20, Add	*27.73*	
		For >20 To 50, Add	*15.24*	
		For >50 To 100, Add	*6.25*	
		For >500 To 1,000, Deduct	*-4.83*	
		For >1,000, Deduct	*-8.28*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.96*	
32 16 13 13-0031	LF	CALTRANs Type B4-6 Straight Concrete Curb And Gutter Assembly	63.23	24.92
		For Up To 20, Add	*42.92*	
		For >20 To 50, Add	*23.95*	
		For >50 To 100, Add	*9.48*	
		For >500 To 1,000, Deduct	*-8.15*	
		For >1,000, Deduct	*-13.80*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.25*	
32 16 13 13-0032	LF	CALTRANs Type B4-6 Radius Concrete Curb And Gutter Assembly	67.76	27.19
		For Up To 20, Add	*46.09*	
		For >20 To 50, Add	*25.77*	
		For >50 To 100, Add	*10.16*	
		For >500 To 1,000, Deduct	*-8.83*	
		For >1,000, Deduct	*-14.93*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.70*	
32 16 13 13-0033	LF	CALTRANs Type E Straight Concrete Curb And Gutter Assembly	67.58	26.23
		For Up To 20, Add	*45.80*	
		For >20 To 50, Add	*25.52*	
		For >50 To 100, Add	*10.14*	
		For >500 To 1,000, Deduct	*-8.63*	
		For >1,000, Deduct	*-14.63*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.42*	
32 16 13 13-0034	LF	CALTRANs Type E Radius Concrete Curb And Gutter Assembly	72.35	28.62
		For Up To 20, Add	*49.13*	
		For >20 To 50, Add	*27.43*	
		For >50 To 100, Add	*10.85*	
		For >500 To 1,000, Deduct	*-9.34*	
		For >1,000, Deduct	*-15.82*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.89*	

32 16 13 13-0035 Cast In Place Concrete Curbs Assemblies *(32 16 13 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 16 13 13-0036	LF	"B3" Cast In Place Concrete Curb	13.91	12.01
32 16 13 13-0037	LF	"B3" Cast In Place Concrete Curb - Radius	15.71	13.82
32 16 13 13-0038	LF	"B1" Cast In Place Concrete Curb	30.58	12.01
32 16 13 13-0039	LF	"B1" Cast In Place Concrete Curb - Radius	34.92	13.22
32 16 13 13-0040	LF	"A1-150" Cast In Place Concrete Curb	29.91	12.01
32 16 13 13-0041	LF	"A1-150" Cast In Place Concrete Curb - Radius	34.15	13.22
32 16 13 13-0042	LF	"A1-200" Cast In Place Concrete Curb	30.87	12.01
32 16 13 13-0043	LF	"A1-200" Cast In Place Concrete Curb - Radius	35.24	13.22
32 16 13 13-0044	LF	6" x 12" Cast In Place Concrete Curb	25.51	12.01
		For Mountable Curb, Add	*1.58*	
		For Up To 20, Add	*14.71*	
		For >20 To 50, Add	*8.32*	
		For >50 To 100, Add	*3.20*	
		For >500 To 1,000, Deduct	*-3.20*	
		For >1,000, Deduct	*-5.43*	
32 16 13 13-0045	LF	6" x 12" Cast In Place Concrete Curb - Radius	28.92	13.82
		For Mountable Curb, Add	*1.86*	
		For Up To 20, Add	*16.90*	
		For >20 To 50, Add	*9.56*	
		For >50 To 100, Add	*3.67*	
		For >500 To 1,000, Deduct	*-3.67*	
		For >1,000, Deduct	*-6.23*	
32 16 13 13-0046	LF	6" x 14" Cast In Place Concrete Curb	27.79	12.01
		For Mountable Curb, Add	*1.73*	
		For Up To 20, Add	*16.07*	
		For >20 To 50, Add	*9.09*	
		For >50 To 100, Add	*3.49*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000, Deduct	*-5.93*	
32 16 13 13-0047	LF	6" x 14" Cast In Place Concrete Curb - Radius	31.55	13.82
		For Mountable Curb, Add	*2.04*	
		For Up To 20, Add	*18.48*	
		For >20 To 50, Add	*10.45*	
		For >50 To 100, Add	*4.01*	
		For >500 To 1,000, Deduct	*-4.01*	
		For >1,000, Deduct	*-6.80*	
32 16 13 13-0048	LF	6" x 16" Cast In Place Concrete Curb	30.37	12.01
		For Mountable Curb, Add	*1.87*	
		For Up To 20, Add	*17.48*	
		For >20 To 50, Add	*9.88*	
		For >50 To 100, Add	*3.80*	
		For >500 To 1,000, Deduct	*-3.80*	
		For >1,000, Deduct	*-6.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0049	LF	6" x 16" Cast In Place Concrete Curb - Radius	34.35	18.02
		For Mountable Curb, Add	*2.21*	
		For Up To 20, Add	*20.09*	
		For >20 To 50, Add	*11.36*	
		For >50 To 100, Add	*4.36*	
		For >500 To 1,000, Deduct	*-4.36*	
		For >1,000, Deduct	*-7.40*	
32 16 13 13-0050	LF	6" x 18" Cast In Place Concrete Curb	32.39	12.01
		For Mountable Curb, Add	*1.98*	
		For Up To 20, Add	*18.62*	
		For >20 To 50, Add	*10.52*	
		For >50 To 100, Add	*4.05*	
		For >500 To 1,000, Deduct	*-4.05*	
		For >1,000, Deduct	*-6.88*	
32 16 13 13-0051	LF	6" x 18" Cast In Place Concrete Curb - Radius	36.33	13.82
		For Mountable Curb, Add	*2.29*	
		For Up To 20, Add	*21.09*	
		For >20 To 50, Add	*11.93*	
		For >50 To 100, Add	*4.58*	
		For >500 To 1,000, Deduct	*-4.58*	
		For >1,000, Deduct	*-7.78*	
32 16 13 13-0052	LF	6" x 24" Cast In Place Concrete Curb	36.92	13.22
		For Mountable Curb, Add	*2.11*	
		For Up To 20, Add	*20.74*	
		For >20 To 50, Add	*11.71*	
		For >50 To 100, Add	*4.52*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-7.70*	
32 16 13 13-0053	LF	6" x 24" Cast In Place Concrete Curb - Radius	41.05	15.01
		For Mountable Curb, Add	*2.40*	
		For Up To 20, Add	*23.23*	
		For >20 To 50, Add	*13.12*	
		For >50 To 100, Add	*5.06*	
		For >500 To 1,000, Deduct	*-5.06*	
		For >1,000, Deduct	*-8.61*	
32 16 13 13-0054	LF	12" x 24" Cast In Place Concrete Curb	46.96	15.01
		For Mountable Curb, Add	*2.07*	
		For Up To 20, Add	*24.41*	
		For >20 To 50, Add	*13.71*	
		For >50 To 100, Add	*5.35*	
		For >500 To 1,000, Deduct	*-5.35*	
		For >1,000, Deduct	*-9.20*	
32 16 13 13-0055	LF	12" x 24" Cast In Place Concrete Curb - Radius	52.03	16.82
		For Mountable Curb, Add	*2.35*	
		For Up To 20, Add	*27.23*	
		For >20 To 50, Add	*15.30*	
		For >50 To 100, Add	*5.97*	
		For >500 To 1,000, Deduct	*-5.97*	
		For >1,000, Deduct	*-10.25*	
32 16 13 13-0056	EA	Additional Finish For Handicap Drop Section In Curb	90.10	

32 16 13 13-0057 Cast In Place Concrete Curb And Gutter Assemblies *(32 16 13 13)*

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0058	LF	"A2-6 Modified" Concrete Curb And Gutter - Straight	35.23	14.31
		For Up To 20, Add	*23.64*	
		For >20 To 50, Add	*13.07*	
		For >50 To 100, Add	*5.28*	
		For >500 To 1,000, Deduct	*-4.27*	
		For >1,000, Deduct	*-7.28*	
		For Mountable Or Rolled Curb And Gutter, Add	*1.95*	
32 16 13 13-0059	LF	"A2-6 Modified" Concrete Curb And Gutter - Radius	38.68	14.31
		For Up To 20, Add	*25.95*	
		For >20 To 50, Add	*14.35*	
		For >50 To 100, Add	*5.80*	
		For >500 To 1,000, Deduct	*-4.68*	
		For >1,000, Deduct	*-7.98*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.12*	
32 16 13 13-0060	LF	"A2-6" Concrete Curb And Gutter - Straight	46.46	19.08
		For Up To 20, Add	*31.69*	
		For >20 To 50, Add	*17.75*	
		For >50 To 100, Add	*6.97*	
		For >500 To 1,000, Deduct	*-6.14*	
		For >1,000, Deduct	*-10.37*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.36*	
32 16 13 13-0061	LF	"A2-6" Concrete Curb And Gutter - Radius	58.26	21.47
		For Up To 20, Add	*39.25*	
		For >20 To 50, Add	*21.77*	
		For >50 To 100, Add	*8.74*	
		For >500 To 1,000, Deduct	*-7.21*	
		For >1,000, Deduct	*-12.26*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0062	LF	"B-2" Concrete Curb And Gutter - Straight	55.96	20.86
		For Up To 20, Add	*37.75*	
		For >20 To 50, Add	*20.96*	
		For >50 To 100, Add	*8.39*	
		For >500 To 1,000, Deduct	*-6.97*	
		For >1,000, Deduct	*-11.86*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.39*	
32 16 13 13-0063	LF	"B-2" Concrete Curb And Gutter - Radius	57.55	20.86
		For Up To 20, Add	*38.70*	
		For >20 To 50, Add	*21.44*	
		For >50 To 100, Add	*8.63*	
		For >500 To 1,000, Deduct	*-7.05*	
		For >1,000, Deduct	*-12.02*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.30*	
32 16 13 13-0064	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	33.63	14.31
		For Up To 20, Add	*22.68*	
		For >20 To 50, Add	*12.59*	
		For >50 To 100, Add	*5.04*	
		For >500 To 1,000, Deduct	*-4.19*	
		For >1,000, Deduct	*-7.12*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.03*	
32 16 13 13-0065	LF	6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	36.45	19.08
		For Up To 20, Add	*24.61*	
		For >20 To 50, Add	*13.68*	
		For >50 To 100, Add	*5.47*	
		For >500 To 1,000, Deduct	*-4.57*	
		For >1,000, Deduct	*-7.76*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.25*	
32 16 13 13-0066	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	42.02	15.86
		For Up To 20, Add	*28.37*	
		For >20 To 50, Add	*15.77*	
		For >50 To 100, Add	*6.30*	
		For >500 To 1,000, Deduct	*-5.26*	
		For >1,000, Deduct	*-8.94*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.59*	
32 16 13 13-0067	LF	6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	46.19	17.65
		For Up To 20, Add	*31.23*	
		For >20 To 50, Add	*17.38*	
		For >50 To 100, Add	*6.93*	
		For >500 To 1,000, Deduct	*-5.83*	
		For >1,000, Deduct	*-9.90*	
		For Mountable Or Rolled Curb And Gutter, Add	*2.91*	
32 16 13 13-0068	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	50.42	19.08
		For Up To 20, Add	*34.07*	
		For >20 To 50, Add	*18.94*	
		For >50 To 100, Add	*7.56*	
		For >500 To 1,000, Deduct	*-6.34*	
		For >1,000, Deduct	*-10.76*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.14*	
32 16 13 13-0069	LF	6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	55.92	21.47
		For Up To 20, Add	*37.84*	
		For >20 To 50, Add	*21.07*	
		For >50 To 100, Add	*8.39*	
		For >500 To 1,000, Deduct	*-7.09*	
		For >1,000, Deduct	*-12.03*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.58*	
32 16 13 13-0070	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	59.43	22.66
		For Up To 20, Add	*40.19*	
		For >20 To 50, Add	*22.36*	
		For >50 To 100, Add	*8.91*	
		For >500 To 1,000, Deduct	*-7.50*	
		For >1,000, Deduct	*-12.74*	
		For Mountable Or Rolled Curb And Gutter, Add	*3.76*	
32 16 13 13-0071	LF	6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	65.08	25.05
		For Up To 20, Add	*44.06*	
		For >20 To 50, Add	*24.53*	
		For >50 To 100, Add	*9.76*	
		For >500 To 1,000, Deduct	*-8.26*	
		For >1,000, Deduct	*-14.02*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.18*	
32 16 13 13-0072	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	68.42	26.23
		For Up To 20, Add	*46.30*	
		For >20 To 50, Add	*25.77*	
		For >50 To 100, Add	*10.26*	
		For >500 To 1,000, Deduct	*-8.67*	
		For >1,000, Deduct	*-14.71*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.37*	
32 16 13 13-0073	LF	6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	74.23	28.62
		For Up To 20, Add	*50.26*	
		For >20 To 50, Add	*27.99*	
		For >50 To 100, Add	*11.13*	
		For >500 To 1,000, Deduct	*-9.44*	
		For >1,000, Deduct	*-16.01*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0074	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight	77.42	29.81
		For Up To 20, Add	*52.41*	
		For >20 To 50, Add	*29.19*	
		For >50 To 100, Add	*11.61*	
		For >500 To 1,000, Deduct	*-9.83*	
		For >1,000, Deduct	*-16.69*	
		For Mountable Or Rolled Curb And Gutter, Add	*4.98*	
32 16 13 13-0075	LF	6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius	85.76	33.39
		For Up To 20, Add	*58.13*	
		For >20 To 50, Add	*32.41*	
		For >50 To 100, Add	*12.86*	
		For >500 To 1,000, Deduct	*-10.97*	
		For >1,000, Deduct	*-18.59*	
		For Mountable Or Rolled Curb And Gutter, Add	*5.63*	

32 16 13 14 Machine Formed, Slip Form Curbs *(32 16 13)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0001 Curbs, Machine Formed, Slip Form *(32 16 13 14)*

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job) Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.	1,619.70	
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed	13.91	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed	18.89	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed	18.38	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed	24.22	

32 16 13 16 Steel Faced Curbs *(32 16 13)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0001 Sidewalk/Curb Facing *(32 16 13 16)*

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	16.03	5.56
		For Curved Section, Add	*3.68*	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	17.71	6.33
		For Curved Section, Add	*4.15*	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	23.52	7.09
		For Curved Section, Add	*5.02*	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	28.68	7.98
		For Curved Section, Add	*5.84*	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	34.84	8.73
		For Curved Section, Add	*6.75*	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	45.49	11.14
		For Curved Section, Add	*8.71*	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center	52.84	14.42
		For Curved Section, Add	*10.67*	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section	161.47	
32 16 13 16-0010	EA	Pedestrian/Handicap Ramp, Complete	154.34	

32 16 13 19 Cast-In-Place Concrete Drainage Ditches *(32 16 13)*

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

32 16 13 19-0001 Valley Gutter, Cast In Place *(32 16 13 19)*

Note: Includes concrete, forms, rebar, expansion joints, finish and curing.

32 16 13 19-0002	LF	2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	24.48	
		For Up To 20, Add	*11.30*	
		For >20 To 50, Add	*6.29*	
		For >50 To 100, Add	*2.51*	
		For >500 To 1,000, Deduct	*-2.51*	
		For >1,000, Deduct	*-4.37*	
32 16 13 19-0003	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	30.00	
		For Up To 20, Add	*13.71*	
		For >20 To 50, Add	*7.62*	
		For >50 To 100, Add	*3.04*	
		For >500 To 1,000, Deduct	*-3.04*	
		For >1,000, Deduct	*-5.31*	
32 16 13 19-0004	LF	3' Wide Cast In Place Concrete Valley Gutter, 6" Thick	35.48	
		For Up To 20, Add	*16.08*	
		For >20 To 50, Add	*8.94*	
		For >50 To 100, Add	*3.57*	
		For >500 To 1,000, Deduct	*-3.57*	
		For >1,000, Deduct	*-6.24*	
32 16 13 19-0005	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 6" Thick	40.92	
		For Up To 20, Add	*18.43*	
		For >20 To 50, Add	*10.24*	
		For >50 To 100, Add	*4.10*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000, Deduct	*-7.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0006	LF	4' Wide Cast In Place Concrete Valley Gutter, 6" Thick	46.38	
		For Up To 20, Add	*20.79*	
		For >20 To 50, Add	*11.55*	
		For >50 To 100, Add	*4.62*	
		For >500 To 1,000, Deduct	*-4.62*	
		For >1,000, Deduct	*-8.09*	
32 16 13 19-0007	LF	5' Wide Cast In Place Concrete Valley Gutter, 6" Thick	55.10	
		For Up To 20, Add	*23.98*	
		For >20 To 50, Add	*13.28*	
		For >50 To 100, Add	*5.35*	
		For >500 To 1,000, Deduct	*-5.35*	
		For >1,000, Deduct	*-9.40*	
32 16 13 19-0008	LF	6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	63.47	
		For Up To 20, Add	*26.92*	
		For >20 To 50, Add	*14.88*	
		For >50 To 100, Add	*6.02*	
		For >500 To 1,000, Deduct	*-6.02*	
		For >1,000, Deduct	*-10.61*	
32 16 13 19-0009	SF	>6' Wide Cast In Place Concrete Valley Gutter, 6" Thick	10.58	
		For Up To 100, Add	*4.49*	
		For >100 To 250, Add	*2.48*	
		For >250 To 500, Add	*1.00*	
		For >2,500 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-1.77*	
32 16 13 19-0010	LF	2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	26.92	
		For Up To 20, Add	*12.13*	
		For >20 To 50, Add	*6.74*	
		For >50 To 100, Add	*2.70*	
		For >500 To 1,000, Deduct	*-2.70*	
		For >1,000, Deduct	*-4.72*	
32 16 13 19-0011	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	33.24	
		For Up To 20, Add	*14.87*	
		For >20 To 50, Add	*8.26*	
		For >50 To 100, Add	*3.31*	
		For >500 To 1,000, Deduct	*-3.31*	
		For >1,000, Deduct	*-5.79*	
32 16 13 19-0012	LF	3' Wide Cast In Place Concrete Valley Gutter, 7" Thick	39.10	
		For Up To 20, Add	*17.30*	
		For >20 To 50, Add	*9.60*	
		For >50 To 100, Add	*3.85*	
		For >500 To 1,000, Deduct	*-3.85*	
		For >1,000, Deduct	*-6.75*	
32 16 13 19-0013	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 7" Thick	45.14	
		For Up To 20, Add	*19.84*	
		For >20 To 50, Add	*11.00*	
		For >50 To 100, Add	*4.42*	
		For >500 To 1,000, Deduct	*-4.42*	
		For >1,000, Deduct	*-7.76*	
32 16 13 19-0014	LF	4' Wide Cast In Place Concrete Valley Gutter, 7" Thick	51.18	
		For Up To 20, Add	*22.39*	
		For >20 To 50, Add	*12.41*	
		For >50 To 100, Add	*4.99*	
		For >500 To 1,000, Deduct	*-4.99*	
		For >1,000, Deduct	*-8.76*	
32 16 13 19-0015	LF	5' Wide Cast In Place Concrete Valley Gutter, 7" Thick	60.92	
		For Up To 20, Add	*25.85*	
		For >20 To 50, Add	*14.29*	
		For >50 To 100, Add	*5.78*	
		For >500 To 1,000, Deduct	*-5.78*	
		For >1,000, Deduct	*-10.19*	
32 16 13 19-0016	LF	6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	70.33	
		For Up To 20, Add	*29.08*	
		For >20 To 50, Add	*16.04*	
		For >50 To 100, Add	*6.52*	
		For >500 To 1,000, Deduct	*-6.52*	
		For >1,000, Deduct	*-11.54*	
32 16 13 19-0017	SF	>6' Wide Cast In Place Concrete Valley Gutter, 7" Thick	11.73	
		For Up To 100, Add	*4.85*	
		For >100 To 250, Add	*2.68*	
		For >250 To 500, Add	*1.09*	
		For >2,500 To 5,000, Deduct	*-1.09*	
		For >5,000, Deduct	*-1.92*	
32 16 13 19-0018	LF	2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	27.09	
		For Up To 20, Add	*12.51*	
		For >20 To 50, Add	*6.97*	
		For >50 To 100, Add	*2.77*	
		For >500 To 1,000, Deduct	*-2.77*	
		For >1,000, Deduct	*-4.84*	
32 16 13 19-0019	LF	2-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	33.24	
		For Up To 20, Add	*15.21*	
		For >20 To 50, Add	*8.46*	
		For >50 To 100, Add	*3.37*	
		For >500 To 1,000, Deduct	*-3.37*	
		For >1,000, Deduct	*-5.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 19-0020	LF	3' Wide Cast In Place Concrete Valley Gutter, 8" Thick	39.29	
		For Up To 20, Add	*17.83*	
		For >20 To 50, Add	*9.91*	
		For >50 To 100, Add	*3.96*	
		For >500 To 1,000, Deduct	*-3.96*	
		For >1,000, Deduct	*-6.92*	
32 16 13 19-0021	LF	3-1/2' Wide Cast In Place Concrete Valley Gutter, 8" Thick	45.35	
		For Up To 20, Add	*20.46*	
		For >20 To 50, Add	*11.37*	
		For >50 To 100, Add	*4.54*	
		For >500 To 1,000, Deduct	*-4.54*	
		For >1,000, Deduct	*-7.95*	
32 16 13 19-0022	LF	4' Wide Cast In Place Concrete Valley Gutter, 8" Thick	51.40	
		For Up To 20, Add	*23.08*	
		For >20 To 50, Add	*12.82*	
		For >50 To 100, Add	*5.13*	
		For >500 To 1,000, Deduct	*-5.13*	
		For >1,000, Deduct	*-8.98*	
32 16 13 19-0023	LF	5' Wide Cast In Place Concrete Valley Gutter, 8" Thick	61.04	
32 16 13 19-0024	LF	6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	70.31	
32 16 13 19-0025	SF	>6' Wide Cast In Place Concrete Valley Gutter, 8" Thick	11.72	
		For Up To 100, Add	*4.98*	
		For >100 To 250, Add	*2.75*	
		For >250 To 500, Add	*1.11*	
		For >2,500 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.96*	

32 16 13 23 Precast Concrete Curbs and Gutters *(32 16 13)*

32 16 13 23-0001 Precast Concrete Curb *(32 16 13 23)*

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb	46.46	10.82
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius	55.51	12.45
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb	49.30	10.82
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius	59.26	12.45
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb	50.60	10.82
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius	60.76	12.45
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb	53.82	10.82
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius	64.84	12.45

32 16 13 33 Asphalt Curbs *(32 16 13)*

32 16 13 33-0001 Asphalt Curbs *(32 16 13 33)*

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain	13.39	5.70
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain	15.03	6.33
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain	16.57	6.96

32 16 13 43 Stone Curbs *(32 16 13)*

32 16 13 43-0001 Remove And Reset Stone And Precast Curbing *(32 16 13 43)*

Note: Includes storage and cleaning.

32 16 13 43-0002	LF	Removal And Resetting Of Stone Or Precast Curbing Note: Includes storage and cleaning.	38.99

32 16 23 Sidewalks *(32 16)*

32 16 23 00-0001 Cast In Place Concrete Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0079 for buggies, 03 31 13 00-0086 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.

32 16 23 00-0002	SF	4" Cast In Place Concrete Sidewalk	9.90
		For Up To 100, Add	*4.26*
		For >100 To 500, Add	*1.21*
		For >2,000 To 5,000, Deduct	*-0.53*
		For >5,000 To 10,000, Deduct	*-1.21*
		For >10,000 To 20,000, Deduct	*-1.63*
		For >20,000, Deduct	*-2.06*
		For 3,500 PSI Concrete, Add	*0.13*
		For 4,000 PSI Concrete, Add	*0.22*
		For 4,500 PSI Concrete, Add	*0.26*
		For Welded Wire Reinforcement, Add	*0.88*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0003	SF	5" Cast In Place Concrete Sidewalk	10.79	
		For Up To 100, Add	*4.55*	
		For >100 To 500, Add	*1.28*	
		For >2,000 To 5,000, Deduct	*-0.55*	
		For >5,000 To 10,000, Deduct	*-1.28*	
		For >10,000 To 20,000, Deduct	*-1.73*	
		For >20,000, Deduct	*-2.19*	
		For 3,500 PSI Concrete, Add	*0.16*	
		For 4,000 PSI Concrete, Add	*0.27*	
		For 4,500 PSI Concrete, Add	*0.32*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0004	SF	6" Cast In Place Concrete Sidewalk	11.68	
		For Up To 100, Add	*4.83*	
		For >100 To 500, Add	*1.35*	
		For >2,000 To 5,000, Deduct	*-0.57*	
		For >5,000 To 10,000, Deduct	*-1.35*	
		For >10,000 To 20,000, Deduct	*-1.83*	
		For >20,000, Deduct	*-2.32*	
		For 3,500 PSI Concrete, Add	*0.19*	
		For 4,000 PSI Concrete, Add	*0.32*	
		For 4,500 PSI Concrete, Add	*0.37*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0005	SF	7" Cast In Place Concrete Sidewalk	13.56	
		For Up To 100, Add	*5.56*	
		For >100 To 500, Add	*1.55*	
		For >2,000 To 5,000, Deduct	*-0.65*	
		For >5,000 To 10,000, Deduct	*-1.55*	
		For >10,000 To 20,000, Deduct	*-2.10*	
		For >20,000, Deduct	*-2.66*	
		For 3,500 PSI Concrete, Add	*0.22*	
		For 4,000 PSI Concrete, Add	*0.39*	
		For 4,500 PSI Concrete, Add	*0.45*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0006	SF	8" Cast In Place Concrete Sidewalk	14.34	
		For Up To 100, Add	*5.79*	
		For >100 To 500, Add	*1.60*	
		For >2,000 To 5,000, Deduct	*-0.66*	
		For >5,000 To 10,000, Deduct	*-1.60*	
		For >10,000 To 20,000, Deduct	*-2.18*	
		For >20,000, Deduct	*-2.76*	
		For 3,500 PSI Concrete, Add	*0.25*	
		For 4,000 PSI Concrete, Add	*0.44*	
		For 4,500 PSI Concrete, Add	*0.51*	
		For Welded Wire Reinforcement, Add	*0.88*	
32 16 23 00-0007	SF	For Exposed Aggregate Finish In Sidewalk	2.73	
32 16 23 00-0008	EA	Finish Concrete Handicap Drop Section In Sidewalk Note: Excludes patterned (tactile) finish.	164.08	
32 16 23 00-0009	LF	For Hand Trowel Finish At Sidewalk Edges (Picture Frame)	2.73	

32 16 23 00-0010 Bituminous Sidewalk Assemblies *(32 16 23)*

Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.

32 16 23 00-0011	SY	1" Bituminous Sidewalk	9.13	
		For Up To 100, Add	*3.55*	
		For >100 To 500, Add	*0.96*	
		For >1,000 To 5,000, Deduct	*-0.51*	
		For >5,000, Deduct	*-0.96*	
32 16 23 00-0012	SY	1-1/2" Bituminous Sidewalk	11.40	
		For Up To 100, Add	*4.37*	
		For >100 To 500, Add	*1.18*	
		For >1,000 To 5,000, Deduct	*-0.61*	
		For >5,000, Deduct	*-1.18*	
32 16 23 00-0013	SY	2" Bituminous Sidewalk	15.65	
		For Up To 100, Add	*5.80*	
		For >100 To 500, Add	*1.54*	
		For >1,000 To 5,000, Deduct	*-0.75*	
		For >5,000, Deduct	*-1.54*	
32 16 23 00-0014	SY	2-1/2" Bituminous Sidewalk	19.55	
		For Up To 100, Add	*7.23*	
		For >100 To 500, Add	*1.91*	
		For >1,000 To 5,000, Deduct	*-0.94*	
		For >5,000, Deduct	*-1.91*	
32 16 23 00-0015	SY	3" Bituminous Sidewalk	22.36	
		For Up To 100, Add	*8.12*	
		For >100 To 500, Add	*2.13*	
		For >1,000 To 5,000, Deduct	*-1.01*	
		For >5,000, Deduct	*-2.13*	
32 16 23 00-0016	SY	3-1/2" Bituminous Sidewalk	25.72	
		For Up To 100, Add	*9.21*	
		For >100 To 500, Add	*2.40*	
		For >1,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-2.40*	

32 16 43 Asphalt Dike *(32 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 43 00-0001		Asphalt Dike *(32 16 43)*		
32 16 43 00-0002	LF	Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	6.81	
32 16 43 00-0003	LF	Type B, Asphalt Dike, 13" Base, 5" Top, 8" Height	9.27	
32 16 43 00-0004	LF	Type C-6, Asphalt Dike, 18" Base, 6" Top, 6" Height	9.27	
32 16 43 00-0005	LF	Type C-8, Asphalt Dike, 22" Base, 6" Top, 8" Height	13.15	
32 16 43 00-0006	LF	Type C-9, Asphalt Dike, 24" Base, 6" Top, 9" Height	15.55	
32 16 43 00-0007	LF	Type D, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.75	
32 16 43 00-0008	LF	Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.58	
32 16 43 00-0009	LF	Type F, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	14.80	
32 16 43 00-0010	LF	CALTRANS Type A, Asphalt Dike, 11" Base, 5" Top, 6" Height	6.81	
32 16 43 00-0011	LF	CALTRANS Type C, Asphalt Dike, 8" Base, 4" Top, 2" Height	3.75	
32 16 43 00-0012	LF	CALTRANS Type D, Mountable Asphalt Dike, 26" Base, 20" Top, 2" Height Front, 8" Height Back	14.80	
32 16 43 00-0013	LF	CALTRANS Type E, Mountable Asphalt Dike, 16" Base, 12" Top, 2" Height Front, 6" Height Back	9.58	
32 16 43 00-0014	LF	CALTRANS Type F, Asphalt Dike, 8" Base, 4" Top, 4" Height	5.46	

32 17 Paving Specialties *(32 10)*

32 17 13 Parking Bumpers *(32 17)*

Note: Includes dowels set.

32 17 13 16 Plastic Parking Bumpers *(32 17 13)*

32 17 13 16-0001	EA	4" x 6" x 4' Recycled Plastic Wheel Stop	197.64	7.68
32 17 13 16-0002	EA	4" x 6" x 6' Recycled Plastic Wheel Stop	223.99	7.68

32 17 13 19 Precast Concrete Parking Bumpers *(32 17 13)*

32 17 13 19-0001	EA	6" x 8" x 4' Precast Concrete Wheel Stop With Dowels	75.77	23.13
32 17 13 19-0002	EA	6" x 6" x 6' Precast Concrete Wheel Stop With Dowels	86.28	23.13
32 17 13 19-0003	EA	6" x 8" x 6' Precast Concrete Wheel Stop With Dowels	90.02	23.13
32 17 13 19-0004	EA	6" x 10" x 6' Precast Concrete Wheel Stop With Dowels	94.29	23.13
32 17 13 19-0005	EA	4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels	87.96	23.13
32 17 13 19-0006	EA	8" x 13" x 6' Precast Concrete Wheel Stop With Dowels	111.46	23.13
32 17 13 19-0007	EA	8" x 12" x 8' Precast Concrete Wheel Stop With Dowels	126.44	24.98
32 17 13 19-0008	EA	Removal And Relocation Of Precast Concrete Wheel Stop	37.01	
32 17 13 19-0009	EA	Removal And Relocation Of Plastic Or Wood Wheel Stop	24.06	
32 17 13 19-0010	EA	7.625" x 7.625" x 6' Precast Concrete Wheel Stop	126.93	23.13
32 17 13 19-0011	EA	7.625" x 7.625" x 8' Precast Concrete Wheel Stop	188.92	23.13

32 17 13 23 Rubber Parking Bumpers *(32 17 13)*

32 17 13 23-0001	EA	3' Recycled Rubber Wheel Stop	32.12	7.68
32 17 13 23-0002	EA	4' Recycled Rubber Wheel Stop	37.31	7.68
32 17 13 23-0003	EA	5' Recycled Rubber Wheel Stop	39.39	7.68
32 17 13 23-0004	EA	6' Recycled Rubber Wheel Stop	42.51	7.68

32 17 13 26 Wood Parking Bumpers *(32 17 13)*

32 17 13 26-0001	LF	4" x 4" Timber Barrier With Saddles For Cars, Pressure Treated	10.58	1.85
32 17 13 26-0002	LF	6" x 6" Timber Barriers With Saddle For Trucks, Pressure Treated	13.74	1.85

32 17 16 Manufactured Traffic-Calming Devices *(32 17)*

32 17 16 00-0001 Modular Rubber Speed Tables *(32 17 16)*

Note: 3" high flat-topped speed humps, 18" x 42" modular rubber construction. Trafficlogix.

32 17 16 00-0002	SF	Up To 24' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	67.49	
32 17 16 00-0003	SF	Up To 24' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	58.97	
32 17 16 00-0004	SF	Up To 24' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.40	
32 17 16 00-0005	SF	>24' To 30' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	64.60	
32 17 16 00-0006	SF	>24' To 30' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	56.87	
32 17 16 00-0007	SF	>24' To 30' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	53.72	
32 17 16 00-0008	SF	>30' To 40' Road Width x 7' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	61.73	
32 17 16 00-0009	SF	>30' To 40' Road Width x 14' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	55.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 16 00-0010	SF	>30' To 40' Road Width x 21' Run Modular Rubber Speed Table Note: Includes drilling in pavement, lag bolts and 3" x 18" x 42" compression molded recycled synthetic and natural rubber composite modular panels.	52.33	
32 17 16 00-0011		**Asphalt Speed Table** *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0012	LF	Up to 36" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	38.93	
32 17 16 00-0013	LF	>36" To 48" Run, Asphalt Speed Table With 3" Center Crown Note: Tapered on edges to roadway.	45.84	
32 17 16 00-0014	LF	Up to 36" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	48.87	
32 17 16 00-0015	LF	>36" To 48" Run, Asphalt Speed Table With 4" Center Crown Note: Tapered on edges to roadway.	57.57	
32 17 16 00-0016	LF	Up to 36" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	60.18	
32 17 16 00-0017	LF	>36" To 48" Run, Asphalt Speed Table With 6" Center Crown Note: Tapered on edges to roadway.	67.08	
32 17 16 00-0018		**Speed Bumps** *(32 17 16)* Note: Excludes pavement markings or reflectors.		
32 17 16 00-0019	LF	2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump	33.33	1.94
32 17 16 00-0020	LF	2-1/4" High x 12" Wide, Recycled Rubber Speed Bump	31.04	1.30
32 17 16 00-0021	LF	2-5/8" High x 12" Wide, Recycled Plastic Speed Bump	156.95	1.30
32 17 23		**Pavement Markings** *(32 17)*		
32 17 23 13		**Painted Pavement Markings** *(32 17 23)*		
32 17 23 13-0001		**Minimum Charge For Pavement Striping** *(32 17 23 13)*		
32 17 23 13-0002	EA	Pavement Striping Minimum Charge	325.35	
32 17 23 13-0003		**Painted Pavement Striping, Letters, Symbols And Markers for Roads** *(32 17 23 13)* Note: Includes primers, adhesive and reflective glass beads. For broken line quantities use total lane length. Per Coat.		
32 17 23 13-0004		**Painted Epoxy Reflective Pavement Marking** *(32 17 23 13-0003)* Note: 15 mil thickness.		
32 17 23 13-0005	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping	0.55	
		For 20 Mil Thickness, Add	*0.12*	
		For Up To 5,000 LF, Add	*0.11*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.25*	
32 17 23 13-0006	LF	Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping	0.76	
		For 20 Mil Thickness, Add	*0.18*	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line, Deduct	*-0.37*	
32 17 23 13-0007	LF	Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping	0.93	
		For 20 Mil Thickness, Add	*0.21*	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
		For Broken Line, Deduct	*-0.44*	
32 17 23 13-0008	LF	Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping	1.42	
		For 20 Mil Thickness, Add	*0.34*	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
		For Broken Line, Deduct	*-0.72*	
32 17 23 13-0009	LF	Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping	0.86	
		For 20 Mil Thickness, Add	*0.22*	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.24*	
		For Double Broken Line, Deduct	*-0.48*	
32 17 23 13-0010	LF	Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping	1.24	
		For 20 Mil Thickness, Add	*0.34*	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
		For Broken Line On One Side, Deduct	*-0.36*	
		For Double Broken Line, Deduct	*-0.73*	
32 17 23 13-0011	SF	Solid Area, Epoxy Reflective Pavement Marking Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.71	
		For 20 Mil Thickness, Add	*0.86*	
32 17 23 13-0012	EA	6" High, Letter/Number, Epoxy Reflective Pavement Marking	4.06	
		For 20 Mil Thickness, Add	*0.41*	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0013	EA	12" High, Letter/Number, Epoxy Reflective Pavement Marking	7.69	
		For 20 Mil Thickness, Add	*1.14*	
		For <10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.50*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0014	EA	24" High, Letter/Number, Epoxy Reflective Pavement Marking	13.02	
		For 20 Mil Thickness, Add	*1.97*	
		For <10, Add	*1.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.68*	
32 17 23 13-0015	EA	36" High, Letter/Number, Epoxy Reflective Pavement Marking	24.91	
		For 20 Mil Thickness, Add	*3.56*	
		For <10, Add	*2.51*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.35*	
32 17 23 13-0016	EA	48" High, Letter/Number, Epoxy Reflective Pavement Marking	29.40	
		For 20 Mil Thickness, Add	*4.48*	
		For <10, Add	*2.82*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-1.88*	
		For >200, Deduct	*-3.76*	
32 17 23 13-0017	EA	72" High, Letter/Number, Epoxy Reflective Pavement Marking	52.80	
		For 20 Mil Thickness, Add	*8.13*	
		For <10, Add	*5.01*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.34*	
		For >200, Deduct	*-6.68*	
32 17 23 13-0018	EA	96" High, Letter/Number, Epoxy Reflective Pavement Marking	70.38	
		For 20 Mil Thickness, Add	*10.74*	
		For <10, Add	*6.73*	
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 200, Deduct	*-4.49*	
		For >200, Deduct	*-8.98*	
32 17 23 13-0019	EA	120" High, Letter/Number, Epoxy Reflective Pavement Marking	112.52	
		For 20 Mil Thickness, Add	*21.75*	
		For <10, Add	*8.34*	
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 200, Deduct	*-5.56*	
		For >200, Deduct	*-11.12*	
32 17 23 13-0020	SF	Letter/Number, Epoxy Reflective Pavement Marking	6.88	
		For 20 Mil Thickness, Add	*0.87*	
32 17 23 13-0021	SF	Symbols, Epoxy Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	8.59	
		For 20 Mil Thickness, Add	*0.95*	

32 17 23 13-0022 Painted Alkyd/Solvent Based/Latex Reflective Pavement Marking *(32 17 23 13-0003)*

Note: 15 mil thickness.

32 17 23 13-0023	LF	Single 4" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line, Deduct	*-0.07*	
32 17 23 13-0024	LF	Single 6" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line, Deduct	*-0.10*	
32 17 23 13-0025	LF	Single 8" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
		For Broken Line, Deduct	*-0.12*	
32 17 23 13-0026	LF	Single 12" Wide Solid Line, Painted Reflective Pavement Striping Note: Includes solvent based and latex paints.	0.70	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line, Deduct	*-0.18*	
32 17 23 13-0027	LF	Double 4" Wide Solid Lines, Painted Reflective Pavement Striping	0.46	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
		For Broken Line On One Side, Deduct	*-0.06*	
		For Double Broken Line, Deduct	*-0.12*	
32 17 23 13-0028	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping	0.70	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0029	SF	Solid Area, Painted Reflective Pavement Striping Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0030	EA	6" (15 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	3.77	
		For <10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.67*	
32 17 23 13-0031	EA	12" (31 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	6.65	
		For <10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.50*	
		For >200, Deduct	*-1.01*	
32 17 23 13-0032	EA	24" (61 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	11.19	
		For <10, Add	*1.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.68*	
32 17 23 13-0033	EA	36" (91 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	21.70	
		For <10, Add	*2.51*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.35*	
32 17 23 13-0034	EA	48" (122 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	25.22	
		For <10, Add	*2.82*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-1.88*	
		For >200, Deduct	*-3.76*	
32 17 23 13-0035	EA	72" (183 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	45.17	
		For <10, Add	*5.01*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.34*	
		For >200, Deduct	*-6.68*	
32 17 23 13-0036	EA	96" (244 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	60.34	
		For <10, Add	*6.73*	
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 200, Deduct	*-4.49*	
		For >200, Deduct	*-8.98*	
32 17 23 13-0037	EA	120" (305 cm) High, Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	90.11	
		For <10, Add	*8.34*	
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 200, Deduct	*-5.56*	
		For >200, Deduct	*-11.12*	
32 17 23 13-0038	SF	Letter/Number, Painted Reflective Pavement Marking Note: Includes solvent based and latex paints.	6.15	
32 17 23 13-0039	SF	Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc. Includes solvent based and latex paints.	7.29	

32 17 23 13-0040 Painted Reflective Pavement Marking (CALTRANS) *(32 17 23 13-0003)*

Note: 20 to 25 mil thickness, per LF of detail.

32 17 23 13-0041	LF	CALTRANS Detail 1 Centerline, Painted Reflective Pavement Striping	0.25	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0042	LF	CALTRANS Detail 2 Centerline, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0043	LF	CALTRANS Detail 4 Centerline	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0044	LF	CALTRANS Detail 5 Centerline, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0045	LF	CALTRANS Detail 6 Centerline, Painted Reflective Pavement Striping	0.44	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
32 17 23 13-0046	LF	CALTRANS Detail 7 Centerline	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0047	LF	CALTRANS Detail 8 Lanelines, Painted Reflective Pavement Striping	0.25	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0048	LF	CALTRANS Detail 9 Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0049	LF	CALTRANS Detail 10 Lanelines	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0050	LF	CALTRANS Detail 11 Lanelines, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0051	LF	CALTRANS Detail 12 Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0052	LF	CALTRANS Detail 13 Lanelines	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0053	LF	CALTRANS Detail 14 Lanelines	0.79	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
32 17 23 13-0054	LF	CALTRANS Detail 14A Lanelines, Painted Reflective Pavement Striping	0.43	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0055	LF	CALTRANS Detail 15 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
32 17 23 13-0056	LF	CALTRANS Detail 16 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
32 17 23 13-0057	LF	CALTRANS Detail 17 No Passing Zones-One Direction Lanelines	3.16	
		For Up To 5,000 LF, Add	*0.63*	
		For >25,000 LF, Deduct	*-0.47*	
32 17 23 13-0058	LF	CALTRANS Detail 18 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
		For Broken Line On One Side, Deduct	*-0.05*	
		For Double Broken Line, Deduct	*-0.09*	
32 17 23 13-0059	LF	CALTRANS Detail 19 No Passing Zones-One Direction Lanelines, Painted Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
32 17 23 13-0060	LF	CALTRANS Detail 20 No Passing Zones-One Direction Lanelines	2.67	
		For Up To 5,000 LF, Add	*0.53*	
		For >25,000 LF, Deduct	*-0.40*	
32 17 23 13-0061	LF	CALTRANS Detail 21 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	0.41	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
		For Broken Line On One Side, Deduct	*-0.07*	
		For Double Broken Line, Deduct	*-0.14*	
32 17 23 13-0062	LF	CALTRANS Detail 22 No Passing Zones-Two Direction Lanelines, Painted Reflective Pavement Striping	1.16	
		For Up To 5,000 LF, Add	*0.23*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0063	LF	CALTRANS Detail 23 No Passing Zones-Two Direction Lanelines	3.77	
		For Up To 5,000 LF, Add	*0.75*	
		For >25,000 LF, Deduct	*-0.57*	
32 17 23 13-0064	LF	CALTRANS Detail 24 Left Edgelines, Painted Reflective Pavement Striping	0.32	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0065	LF	CALTRANS Detail 25 Left Edgelines, Painted Reflective Pavement Striping	0.50	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
32 17 23 13-0066	LF	CALTRANS Detail 25A Left Edgelines, Painted Reflective Pavement Striping	0.68	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
32 17 23 13-0067	LF	CALTRANS Detail 26 Left Edgelines	0.18	
		For Up To 5,000 LF, Add	*0.04*	
		For >25,000 LF, Deduct	*-0.03*	
32 17 23 13-0068	LF	CALTRANS Detail 27 Left Edgelines, Painted Reflective Pavement Striping	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
32 17 23 13-0069	LF	CALTRANS Detail 27B Right Edgelines, Painted Reflective Pavement Striping	0.32	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0070	LF	CALTRANS Detail 27C Right Edgeline Extension Through Intersections, Painted Reflective Pavement Striping	0.24	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.04*	
32 17 23 13-0071	LF	CALTRANS Detail 28 Median Islands, Painted Reflective Pavement Striping	0.84	
		For Up To 5,000 LF, Add	*0.17*	
		For >25,000 LF, Deduct	*-0.13*	
		For Broken Line On One Side, Deduct	*-0.14*	
		For Double Broken Line, Deduct	*-0.29*	
32 17 23 13-0072	LF	CALTRANS Detail 29 Median Islands, Painted Reflective Pavement Striping	1.57	
		For Up To 5,000 LF, Add	*0.31*	
		For >25,000 LF, Deduct	*-0.24*	
32 17 23 13-0073	LF	CALTRANS Detail 30 Median Islands	7.55	
		For Up To 5,000 LF, Add	*1.51*	
		For >25,000 LF, Deduct	*-1.13*	
32 17 23 13-0074	LF	CALTRANS Detail 31 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	0.70	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line On One Side, Deduct	*-0.09*	
		For Double Broken Line, Deduct	*-0.18*	
32 17 23 13-0075	LF	CALTRANS Detail 32 Two-Way Left Turn Lanes, Painted Reflective Pavement Striping	1.61	
		For Up To 5,000 LF, Add	*0.32*	
		For >25,000 LF, Deduct	*-0.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0076	LF	CALTRANS Detail 33 Two-Way Left Turn Lanes	5.17	
		For Up To 5,000 LF, Add	*1.03*	
		For >25,000 LF, Deduct	*-0.78*	
32 17 23 13-0077	LF	CALTRANS Detail 34 Intersection Treatments, Painted Reflective Pavement Striping	0.89	
		For Up To 5,000 LF, Add	*0.18*	
		For >25,000 LF, Deduct	*-0.13*	
32 17 23 13-0078	LF	CALTRANS Detail 34A Intersection Treatments, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0079	LF	CALTRANS Detail 35 Intersection Treatments, Painted Reflective Pavement Striping	1.10	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0080	LF	CALTRANS Detail 35A Intersection Treatments, Painted Reflective Pavement Striping	0.34	
		For Up To 5,000 LF, Add	*0.07*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0081	LF	CALTRANS Detail 36 Exit Ramp Neutral Area (Gore) Treatment, Painted Reflective Pavement Striping	1.76	
		For Up To 5,000 LF, Add	*0.35*	
		For >25,000 LF, Deduct	*-0.26*	
32 17 23 13-0082	LF	CALTRANS Detail 36A Entrance Ramp Neutral Area (Merge) Treatment, Painted Reflective Pavement Striping	1.11	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0083	LF	CALTRANS Detail 36B Entrance Ramp Neutral Area (Acceleration Lane) Treatment, Painted Reflective Pavement Striping	1.19	
		For Up To 5,000 LF, Add	*0.24*	
		For >25,000 LF, Deduct	*-0.18*	
32 17 23 13-0084	LF	CALTRANS Detail 37 Lane Drop At Exit Ramps, Painted Reflective Pavement Striping	1.11	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0085	LF	CALTRANS Detail 37A Lane Drop At Exit Ramps	2.53	
		For Up To 5,000 LF, Add	*0.51*	
		For >25,000 LF, Deduct	*-0.38*	
32 17 23 13-0086	LF	CALTRANS Detail 37B Lane Drop At Intersections, Painted Reflective Pavement Striping	1.11	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.17*	
32 17 23 13-0087	LF	CALTRANS Detail 37C Lane Drop At Intersections	2.53	
		For Up To 5,000 LF, Add	*0.51*	
		For >25,000 LF, Deduct	*-0.38*	
32 17 23 13-0088	LF	CALTRANS Detail 38 Channelizing Line, Painted Reflective Pavement Striping	1.02	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
32 17 23 13-0089	LF	CALTRANS Detail 38A Channelizing Line, Painted Reflective Pavement Striping	0.65	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
32 17 23 13-0090	LF	CALTRANS Detail 38B Channelizing Line, Painted Reflective Pavement Striping	1.38	
		For Up To 5,000 LF, Add	*0.28*	
		For >25,000 LF, Deduct	*-0.21*	
32 17 23 13-0091	LF	CALTRANS Detail 38C Channelizing Line	3.77	
		For Up To 5,000 LF, Add	*0.75*	
		For >25,000 LF, Deduct	*-0.57*	
32 17 23 13-0092	LF	CALTRANS Detail 39 Bike Lane Line, Painted Reflective Pavement Striping	0.39	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
32 17 23 13-0093	LF	CALTRANS Detail 39A Intersection Line Bike Lane, Painted Reflective Pavement Striping	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
32 17 23 13-0094	LF	CALTRANS Detail 40 Lane Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.23	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.03*	
32 17 23 13-0095	LF	CALTRANS Detail 40A Lane Line Extensions Through Intersections	1.82	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
32 17 23 13-0096	LF	CALTRANS Detail 41 Center Line Extensions Through Intersections, Painted Reflective Pavement Striping	0.23	
		For Up To 5,000 LF, Add	*0.05*	
		For >25,000 LF, Deduct	*-0.03*	
32 17 23 13-0097	LF	CALTRANS Detail 41A Center Line Extensions Through Intersections	1.82	
		For Up To 5,000 LF, Add	*0.36*	
		For >25,000 LF, Deduct	*-0.27*	
32 17 23 13-0098	EA	CALTRANS 10' Arrow, Type I, Painted Reflective Pavement Marking	97.50	
		For <10, Add	*12.20*	
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 200, Deduct	*-8.13*	
		For >200, Deduct	*-16.26*	
32 17 23 13-0099	EA	CALTRANS 18' Arrow, Type I, Painted Reflective Pavement Marking	171.20	
		For <10, Add	*21.35*	
		For >50 To 100, Deduct	*-10.67*	
		For >100 To 200, Deduct	*-14.23*	
		For >200, Deduct	*-28.46*	
32 17 23 13-0100	EA	CALTRANS 24' Arrow, Type I, Painted Reflective Pavement Marking	214.74	
		For <10, Add	*26.84*	
		For >50 To 100, Deduct	*-13.42*	
		For >100 To 200, Deduct	*-17.89*	
		For >200, Deduct	*-35.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0101	EA	CALTRANS 24' Arrow With Single (L or R) Turn Arrow, Type II, Painted Reflective Pavement Marking	312.23	
		For <10, Add	*39.03*	
		For >50 To 100, Deduct	*-19.52*	
		For >100 To 200, Deduct	*-26.02*	
		For >200, Deduct	*-52.04*	
32 17 23 13-0102	EA	CALTRANS 24' Arrow With Both (L and R) Turn Arrows, Type II, Painted Reflective Pavement Marking	409.73	
		For <10, Add	*51.23*	
		For >50 To 100, Deduct	*-25.61*	
		For >100 To 200, Deduct	*-34.15*	
		For >200, Deduct	*-68.30*	
32 17 23 13-0103	EA	CALTRANS 24' Arrow Single (L or R) Turn Arrow, Type III, Painted Reflective Pavement Marking	288.43	
		For <10, Add	*35.98*	
		For >50 To 100, Deduct	*-17.99*	
		For >100 To 200, Deduct	*-23.99*	
		For >200, Deduct	*-47.97*	
32 17 23 13-0104	EA	CALTRANS 24' Arrow Both (L and R) Turn Arrows, Type III, Painted Reflective Pavement Marking	503.17	
		For <10, Add	*62.82*	
		For >50 To 100, Deduct	*-31.41*	
		For >100 To 200, Deduct	*-41.88*	
		For >200, Deduct	*-83.75*	
32 17 23 13-0105	EA	CALTRANS 8' Turn Arrow (L or R), Type IV, Painted Reflective Pavement Marking	102.72	
		For <10, Add	*12.81*	
		For >50 To 100, Deduct	*-6.40*	
		For >100 To 200, Deduct	*-8.54*	
		For >200, Deduct	*-17.08*	
32 17 23 13-0106	EA	CALTRANS 24' Arrow, Type V, Painted Reflective Pavement Marking	225.17	
		For <10, Add	*28.05*	
		For >50 To 100, Deduct	*-14.03*	
		For >100 To 200, Deduct	*-18.70*	
		For >200, Deduct	*-37.40*	
32 17 23 13-0107	EA	CALTRANS 18' Arrow, Type VI, Painted Reflective Pavement Marking	288.43	
		For <10, Add	*35.98*	
		For >50 To 100, Deduct	*-17.99*	
		For >100 To 200, Deduct	*-23.99*	
		For >200, Deduct	*-47.97*	
32 17 23 13-0108	EA	CALTRANS 13' Arrow With Single (L or R) Turn Arrow, Type VII, Painted Reflective Pavement Marking	185.92	
		For <10, Add	*23.18*	
		For >50 To 100, Deduct	*-11.59*	
		For >100 To 200, Deduct	*-15.45*	
		For >200, Deduct	*-30.90*	
32 17 23 13-0109	EA	CALTRANS 15' Arrow With Both (L and R) Turn Arrows, Type VIII, Painted Reflective Pavement Marking	244.91	
		For <10, Add	*30.49*	
		For >50 To 100, Deduct	*-15.25*	
		For >100 To 200, Deduct	*-20.33*	
		For >200, Deduct	*-40.66*	
32 17 23 13-0110	EA	CALTRANS 5' Arrow, Bike Lane, Painted Reflective Pavement Marking	48.75	
		For <10, Add	*6.10*	
		For >50 To 100, Deduct	*-3.05*	
		For >100 To 200, Deduct	*-4.07*	
		For >200, Deduct	*-8.13*	
32 17 23 13-0111	EA	CALTRANS Railroad Crossing Symbol, Painted Reflective Pavement Marking Note: Excludes variable width transverse lines.	467.18	
		For <10, Add	*57.94*	
		For >50 To 100, Deduct	*-28.97*	
		For >100 To 200, Deduct	*-38.63*	
		For >200, Deduct	*-77.25*	
32 17 23 13-0112	SF	CALTRANS Solid Area, Painted Reflective Pavement Marking	6.12	
32 17 23 13-0113	EA	CALTRANS Bike Lane Symbol Without Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	48.67	
		For <10, Add	*4.39*	
		For >50 To 100, Deduct	*-2.20*	
		For >100 To 200, Deduct	*-2.93*	
		For >200, Deduct	*-5.85*	
32 17 23 13-0114	EA	CALTRANS Bike Lane Symbol With Person, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	51.60	
		For <10, Add	*4.64*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-6.18*	
32 17 23 13-0115	EA	CALTRANS Diamond Symbol, Painted Reflective Pavement Marking	77.77	
		For <10, Add	*9.76*	
		For >50 To 100, Deduct	*-4.88*	
		For >100 To 200, Deduct	*-6.51*	
		For >200, Deduct	*-13.01*	
32 17 23 13-0116	EA	CALTRANS International Symbol Of Accessibility (ISA) Marking, Painted Reflective Pavement Marking	158.32	
		For <10, Add	*19.76*	
		For >50 To 100, Deduct	*-9.88*	
		For >100 To 200, Deduct	*-13.17*	
		For >200, Deduct	*-26.35*	
32 17 23 13-0117	EA	CALTRANS Bike Loop Detector Symbol, Painted Reflective Pavement Marking Note: Approximate overall dimensions: 4' width x 8' height.	33.13	
		For <10, Add	*4.64*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.09*	
		For >200, Deduct	*-6.18*	
32 17 23 13-0118	SF	CALTRANS Letter/Number, Painted Reflective Pavement Marking	6.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0119	SF	CALTRANS Symbols, Painted Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	6.86	

32 17 23 13-0120 Painted Thermoplastic Reflective Pavement Marking *(32 17 23 13-0003)*

Note: 40 mil thickness.

32 17 23 13-0121	LF	Single 4" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping	0.72	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.11*	
		For Broken Line, Deduct	*-0.38*	
		For 30 mils Thick, Deduct	*-0.13*	
		For 45 mils Thick, Add	*0.06*	
		For Enhanced Wet-Night Visibility, Add	*0.04*	
32 17 23 13-0122	LF	Single 6" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	0.99	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
		For Broken Line, Deduct	*-0.54*	
		For 30 mils Thick, Deduct	*-0.18*	
		For 45 mils Thick, Add	*0.09*	
		For Enhanced Wet-Night Visibility, Add	*0.06*	
32 17 23 13-0123	LF	Single 8" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.34	
		For Up To 5,000 LF, Add	*0.27*	
		For >25,000 LF, Deduct	*-0.20*	
		For Broken Line, Deduct	*-0.74*	
		For 30 mils Thick, Deduct	*-0.25*	
		For 45 mils Thick, Add	*0.12*	
		For Enhanced Wet-Night Visibility, Add	*0.08*	
32 17 23 13-0124	LF	Single 12" Wide Solid Line, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.94	
		For Up To 5,000 LF, Add	*0.39*	
		For >25,000 LF, Deduct	*-0.29*	
		For Broken Line, Deduct	*-1.11*	
		For 30 mils Thick, Deduct	*-0.37*	
		For 45 mils Thick, Add	*0.19*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
32 17 23 13-0125	LF	Double 4" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.29	
		For Up To 5,000 LF, Add	*0.26*	
		For >25,000 LF, Deduct	*-0.19*	
		For Broken Line On One Side, Deduct	*-0.37*	
		For Double Broken Line, Deduct	*-0.74*	
		For 30 mils Thick, Deduct	*-0.25*	
		For 45 mils Thick, Add	*0.12*	
		For Enhanced Wet-Night Visibility, Add	*0.08*	
32 17 23 13-0126	LF	Double 6" Wide Solid Lines, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	1.94	
		For Up To 5,000 LF, Add	*0.39*	
		For >25,000 LF, Deduct	*-0.29*	
		For Broken Line On One Side, Deduct	*-0.56*	
		For Double Broken Line, Deduct	*-1.11*	
		For 30 mils Thick, Deduct	*-0.37*	
		For 45 mils Thick, Add	*0.19*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
32 17 23 13-0127	SF	Solid Area, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	6.35	
		For 30 mils Thick, Deduct	*-0.37*	
		For 45 mils Thick, Add	*0.19*	
		For Enhanced Wet-Night Visibility, Add	*0.12*	
32 17 23 13-0128	EA	6" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	4.27	
		For Up To 10, Add	*0.50*	
		For >50 To 100, Deduct	*-0.25*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.67*	
		For 30 mils Thick, Deduct	*-0.24*	
		For 45 mils Thick, Add	*0.12*	
		For Enhanced Wet-Night Visibility, Add	*0.08*	
32 17 23 13-0129	EA	12" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	8.43	
		For Up To 10, Add	*0.76*	
		For >50 To 100, Deduct	*-0.38*	
		For >100 To 200, Deduct	*-0.50*	
		For >200, Deduct	*-1.01*	
		For 30 mils Thick, Deduct	*-0.85*	
		For 45 mils Thick, Add	*0.42*	
		For Enhanced Wet-Night Visibility, Add	*0.28*	
32 17 23 13-0130	EA	24" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	14.32	
		For Up To 10, Add	*1.26*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.84*	
		For >200, Deduct	*-1.68*	
		For 30 mils Thick, Deduct	*-1.49*	
		For 45 mils Thick, Add	*0.74*	
		For Enhanced Wet-Night Visibility, Add	*0.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0131	EA	36" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	27.19	
		For Up To 10, Add	*2.51*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.35*	
		For 30 mils Thick, Deduct	*-2.61*	
		For 45 mils Thick, Add	*1.31*	
		For Enhanced Wet-Night Visibility, Add	*0.86*	
32 17 23 13-0132	EA	48" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	32.37	
		For Up To 10, Add	*2.82*	
		For >50 To 100, Deduct	*-1.41*	
		For >100 To 200, Deduct	*-1.88*	
		For >200, Deduct	*-3.76*	
		For 30 mils Thick, Deduct	*-3.40*	
		For 45 mils Thick, Add	*1.70*	
		For Enhanced Wet-Night Visibility, Add	*1.12*	
32 17 23 13-0133	EA	72" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	58.23	
		For Up To 10, Add	*5.01*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.34*	
		For >200, Deduct	*-6.68*	
		For 30 mils Thick, Deduct	*-6.20*	
		For 45 mils Thick, Add	*3.10*	
		For Enhanced Wet-Night Visibility, Add	*2.05*	
32 17 23 13-0134	EA	96" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	77.52	
		For Up To 10, Add	*6.73*	
		For >50 To 100, Deduct	*-3.37*	
		For >100 To 200, Deduct	*-4.49*	
		For >200, Deduct	*-8.98*	
		For 30 mils Thick, Deduct	*-8.16*	
		For 45 mils Thick, Add	*4.08*	
		For Enhanced Wet-Night Visibility, Add	*2.69*	
32 17 23 13-0135	EA	120" High, Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	128.46	
		For Up To 10, Add	*8.34*	
		For >50 To 100, Deduct	*-4.17*	
		For >100 To 200, Deduct	*-5.56*	
		For >200, Deduct	*-11.12*	
		For 30 mils Thick, Deduct	*-18.21*	
		For 45 mils Thick, Add	*9.11*	
		For Enhanced Wet-Night Visibility, Add	*6.01*	
32 17 23 13-0136	SF	Letter/Number, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking	7.39	
		For 30 mils Thick, Deduct	*-0.59*	
		For 45 mils Thick, Add	*0.29*	
		For Enhanced Wet-Night Visibility, Add	*0.19*	
32 17 23 13-0137	SF	Symbols, 40 Mil Thick, Painted Thermoplastic Reflective Pavement Marking Note: Handicap, railroad, diamond, arrows, etc.	9.10	
		For 30 mils Thick, Deduct	*-0.59*	
		For 45 mils Thick, Add	*0.29*	
		For Enhanced Wet-Night Visibility, Add	*0.19*	

32 17 23 13-0138 Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 13)*

Note: Includes primers. Per Coat.

32 17 23 13-0139 Painted Pavement Marking For Parking Areas *(32 17 23 13-0138)*

Note: 15 mil thickness.

32 17 23 13-0140	LF	Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.16	
32 17 23 13-0141	LF	Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.27	
32 17 23 13-0142	LF	Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.35	
32 17 23 13-0143	LF	Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas	1.52	
32 17 23 13-0144	SF	Solid Area, Painted Pavement Marking For Parking Areas Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	5.07	
32 17 23 13-0145	EA	6" High, Letter/Number, Painted Pavement Marking For Parking Areas	3.68	
		For Up To 10, Add	*0.49*	
		For >50 To 100, Deduct	*-0.24*	
		For >100 To 200, Deduct	*-0.33*	
		For >200, Deduct	*-0.65*	
32 17 23 13-0146	EA	12" High, Letter/Number, Painted Pavement Marking For Parking Areas	6.42	
		For Up To 10, Add	*0.73*	
		For >50 To 100, Deduct	*-0.37*	
		For >100 To 200, Deduct	*-0.49*	
		For >200, Deduct	*-0.97*	
32 17 23 13-0147	EA	24" High, Letter/Number, Painted Pavement Marking For Parking Areas	10.85	
		For Up To 10, Add	*1.22*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 200, Deduct	*-0.81*	
		For >200, Deduct	*-1.63*	
32 17 23 13-0148	EA	36" High, Letter/Number, Painted Pavement Marking For Parking Areas	20.23	
		For Up To 10, Add	*2.32*	
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.55*	
		For >200, Deduct	*-3.09*	
32 17 23 13-0149	EA	42" High, Letter/Number, Painted Pavement Marking For Parking Areas	26.63	
		For Up To 10, Add	*3.17*	
		For >50 To 100, Deduct	*-1.59*	
		For >100 To 200, Deduct	*-2.11*	
		For >200, Deduct	*-4.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0150	EA	48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	32.24	
		For Up To 10, Add	*3.90*	
		For >50 To 100, Deduct	*-1.95*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-5.21*	
32 17 23 13-0151	EA	72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas	43.86	
		For Up To 10, Add	*4.88*	
		For >50 To 100, Deduct	*-2.44*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-6.50*	
32 17 23 13-0152	EA	Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 3-1/2' width x 10' height.	82.48	
32 17 23 13-0153	EA	Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 6' width x 8' height.	96.45	
32 17 23 13-0154	EA	Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 11' width x 8' height.	142.53	
32 17 23 13-0155	EA	Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 7' width x 13' height.	145.75	
32 17 23 13-0156	EA	Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 9' width x 15' height.	194.64	
32 17 23 13-0157	EA	Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.	32.02	
		For Blue Background With White Symbol, Add	*26.42*	
		For Blue Background With White Symbol And Border, Add	*33.03*	
32 17 23 13-0158	EA	Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.	49.54	
		For Blue Background With White Symbol, Add	*56.89*	
		For Blue Background With White Symbol And Border, Add	*71.11*	

32 17 23 13-0159 Painted Curbs *(32 17 23 13)*

Note: All colors.

32 17 23 13-0160	LF	Reflective Painted Curb	3.00	
32 17 23 13-0161	LF	Reflective Painted Curb And Gutter	5.78	
32 17 23 13-0162	LF	Painted Curb	2.44	
32 17 23 13-0163	LF	Painted Curb And Gutter	5.30	

32 17 23 13-0164 Markings For Outdoor Play Areas, Courts *(32 17 23 13)*

32 17 23 13-0165	LF	2" Wide Marking For Outdoor Play Areas	1.08	
32 17 23 13-0166	LF	3" Wide Marking For Outdoor Play Areas	1.23	
32 17 23 13-0167	LF	4" Wide Marking For Outdoor Play Areas	1.39	
32 17 23 13-0168	LF	6" Wide Marking For Outdoor Play Areas	1.64	
32 17 23 13-0169	EA	Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, etc.)	287.10	

32 17 23 23 Raised Pavement Markings *(32 17 23)*

32 17 23 23-0001 Raised Pavement Markers (RPMs) *(32 17 23 23)*

Note: White, Red, Yellow/Amber, Green or Blue

32 17 23 23-0002	EA	One-Way Reflective, Raised Pavement Marker (RPM) Note: Type G, H or R	8.28	2.80
		For >100, Deduct	*-0.83*	
32 17 23 23-0003	EA	Two-Way Reflective, Raised Pavement Marker (RPM) Note: Type B, C, D, AC, RA or RR	8.80	2.80
		For >100, Deduct	*-0.88*	
32 17 23 23-0004	EA	4" Diameter, Round Reflective, Raised Pavement Marker (RPM)	10.93	2.80
		For >100, Deduct	*-1.09*	
32 17 23 23-0005	EA	4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) Note: Type A or AY	7.60	2.80
		For >100, Deduct	*-0.76*	

32 17 23 23-0006 Snowplowable Pavement Markers *(32 17 23 23)*

32 17 23 23-0007	EA	One-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type G, H or R	81.37	34.26
32 17 23 23-0008	EA	Two-Way Reflective, Snowplowable Pavement Marker With Center Rail Note: Type B, C, D, AC, RA or RR	81.82	34.26
32 17 23 23-0009	EA	Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker	23.77	
32 17 23 23-0010	EA	Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker	29.93	

32 17 23 33 Plastic Pavement Markings *(32 17 23)*

32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads *(32 17 23 33)*

Note: Includes primers, adhesive and reflective glass beads. For broken line modifier quantity use total lane length.

32 17 23 33-0002 Thermoplastic Reflective Pavement Marking *(32 17 23 33-0001)*

Note: 90 mil thickness.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0003	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping	1.46	
		For Up To 5,000 LF, Add	*0.29*	
		For >25,000 LF, Deduct	*-0.22*	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
		For Broken Line, Deduct	*-0.87*	
32 17 23 33-0004	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.10	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.32*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
		For Broken Line, Deduct	*-1.30*	
32 17 23 33-0005	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.78	
		For Up To 5,000 LF, Add	*0.56*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line, Deduct	*-1.73*	
32 17 23 33-0006	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.08	
		For Up To 5,000 LF, Add	*0.82*	
		For >25,000 LF, Deduct	*-0.61*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line, Deduct	*-2.60*	
32 17 23 33-0007	LF	Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	2.77	
		For Up To 5,000 LF, Add	*0.55*	
		For >25,000 LF, Deduct	*-0.42*	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
		For Broken Line On One Side, Deduct	*-0.87*	
		For Double Broken Line, Deduct	*-1.73*	
32 17 23 33-0008	LF	Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping Note: Includes yellow or white.	4.08	
		For Up To 5,000 LF, Add	*0.82*	
		For >25,000 LF, Deduct	*-0.61*	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
		For Broken Line On One Side, Deduct	*-1.30*	
		For Double Broken Line, Deduct	*-2.60*	
32 17 23 33-0009	SF	Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Note: Includes yellow or white.	8.32	
		For 60 mils Thick, Deduct	*-0.60*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0010	EA	6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	5.38	
		For Up To 10, Add	*0.55*	
		For >50 To 100, Deduct	*-0.27*	
		For >100 To 200, Deduct	*-0.37*	
		For >200, Deduct	*-0.73*	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0011	EA	12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.77	
		For Up To 10, Add	*0.83*	
		For >50 To 100, Deduct	*-0.41*	
		For >100 To 200, Deduct	*-0.55*	
		For >200, Deduct	*-1.11*	
		For 60 mils Thick, Deduct	*-1.09*	
		For 125 mils Thick, Add	*1.40*	
32 17 23 33-0012	EA	24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	20.11	
		For Up To 10, Add	*1.38*	
		For >50 To 100, Deduct	*-0.69*	
		For >100 To 200, Deduct	*-0.92*	
		For >200, Deduct	*-1.84*	
		For 60 mils Thick, Deduct	*-1.91*	
		For 125 mils Thick, Add	*2.46*	
32 17 23 33-0013	EA	36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	37.65	
		For Up To 10, Add	*2.77*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 200, Deduct	*-1.85*	
		For >200, Deduct	*-3.69*	
		For 60 mils Thick, Deduct	*-3.36*	
		For 125 mils Thick, Add	*4.32*	
32 17 23 33-0014	EA	48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	45.60	
		For Up To 10, Add	*3.10*	
		For >50 To 100, Deduct	*-1.55*	
		For >100 To 200, Deduct	*-2.07*	
		For >200, Deduct	*-4.13*	
		For 60 mils Thick, Deduct	*-4.37*	
		For 125 mils Thick, Add	*5.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0015	EA	72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	82.34	
		For Up To 10, Add	*5.51*	
		For >50 To 100, Deduct	*-2.76*	
		For >100 To 200, Deduct	*-3.68*	
		For >200, Deduct	*-7.35*	
		For 60 mils Thick, Deduct	*-7.98*	
		For 125 mils Thick, Add	*10.26*	
32 17 23 33-0016	EA	96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	109.34	
		For Up To 10, Add	*7.40*	
		For >50 To 100, Deduct	*-3.70*	
		For >100 To 200, Deduct	*-4.94*	
		For >200, Deduct	*-9.87*	
		For 60 mils Thick, Deduct	*-10.50*	
		For 125 mils Thick, Add	*13.50*	
32 17 23 33-0017	EA	120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	195.02	
		For Up To 10, Add	*9.17*	
		For >50 To 100, Deduct	*-4.59*	
		For >100 To 200, Deduct	*-6.12*	
		For >200, Deduct	*-12.23*	
		For 60 mils Thick, Deduct	*-23.43*	
		For 125 mils Thick, Add	*30.12*	
32 17 23 33-0018	SF	Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	9.85	
		For 60 mils Thick, Deduct	*-0.76*	
		For 125 mils Thick, Add	*0.97*	
32 17 23 33-0019	SY	Cross Hatch, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	28.09	
		Note: Per SY of area.		
		For 60 mils Thick, Deduct	*-1.36*	
		For 125 mils Thick, Add	*1.75*	
32 17 23 33-0020	EA	Handicap Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	254.55	
		For 60 mils Thick, Deduct	*-17.38*	
		For 125 mils Thick, Add	*22.35*	
32 17 23 33-0021	EA	Railroad Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	757.65	
		For 60 mils Thick, Deduct	*-52.90*	
		For 125 mils Thick, Add	*68.02*	
32 17 23 33-0022	EA	Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	169.33	
		Note: Approximate overall dimensions: 4' width x 8' height.		
		For 60 mils Thick, Deduct	*-23.94*	
		For 125 mils Thick, Add	*30.78*	
32 17 23 33-0023	EA	Diamond Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	121.74	
		For 60 mils Thick, Deduct	*-8.31*	
		For 125 mils Thick, Add	*10.69*	
32 17 23 33-0024	SF	Symbols, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	11.07	
		Note: Handicap, railroad, diamond, arrows, etc.		
		For 60 mils Thick, Deduct	*-0.76*	
		For 125 mils Thick, Add	*0.97*	
32 17 23 33-0025	EA	10' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	154.94	
		For 60 mils Thick, Deduct	*-10.58*	
		For 125 mils Thick, Add	*13.60*	
32 17 23 33-0026	EA	18' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	276.69	
		For 60 mils Thick, Deduct	*-18.89*	
		For 125 mils Thick, Add	*24.29*	
32 17 23 33-0027	EA	24' Arrow, Type I, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	343.09	
		For 60 mils Thick, Deduct	*-23.43*	
		For 125 mils Thick, Add	*30.12*	
32 17 23 33-0028	EA	24' Arrow With Single (L or R) Turn Arrow, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	498.04	
		For 60 mils Thick, Deduct	*-34.01*	
		For 125 mils Thick, Add	*43.72*	
32 17 23 33-0029	EA	24' Arrow With Both (L and R) Turn Arrows, Type II, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	652.99	
		For 60 mils Thick, Deduct	*-44.59*	
		For 125 mils Thick, Add	*57.33*	
32 17 23 33-0030	EA	24' Arrow Single (L or R) Turn Arrow, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	464.83	
		For 60 mils Thick, Deduct	*-31.74*	
		For 125 mils Thick, Add	*40.81*	
32 17 23 33-0031	EA	24' Arrow Both (L and R) Turn Arrows, Type III, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	807.93	
		For 60 mils Thick, Deduct	*-55.17*	
		For 125 mils Thick, Add	*70.93*	
32 17 23 33-0032	EA	8' Turn Arrow (L or R), Type IV, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	166.02	
		For 60 mils Thick, Deduct	*-11.34*	
		For 125 mils Thick, Add	*14.58*	
32 17 23 33-0033	EA	24' Arrow, Type V, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	365.23	
		For 60 mils Thick, Deduct	*-24.94*	
		For 125 mils Thick, Add	*32.06*	
32 17 23 33-0034	EA	18' Arrow, Type VI, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	464.83	
		For 60 mils Thick, Deduct	*-31.74*	
		For 125 mils Thick, Add	*40.81*	
32 17 23 33-0035	EA	13' Arrow With Single (L or R) Turn Arrow, Type VII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	298.83	
		For 60 mils Thick, Deduct	*-20.41*	
		For 125 mils Thick, Add	*26.24*	
32 17 23 33-0036	EA	15' Arrow With Both (L and R) Turn Arrows, Type VIII, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	398.43	
		For 60 mils Thick, Deduct	*-27.21*	
		For 125 mils Thick, Add	*34.98*	
32 17 23 33-0037	EA	5' Arrow, Bike Lane, 90 Mil Thick, Thermoplastic Reflective Pavement Marking	77.48	
		For 60 mils Thick, Deduct	*-5.29*	
		For 125 mils Thick, Add	*6.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0038		**Thermoplastic Reflective Pavement Striping By Hand For Repairs** *(32 17 23 33-0001)*		
32 17 23 33-0039	LF	Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	2.88	
		For 60 mils Thick, Deduct	*-0.20*	
		For 125 mils Thick, Add	*0.26*	
32 17 23 33-0040	LF	Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	3.69	
		For 60 mils Thick, Deduct	*-0.30*	
		For 125 mils Thick, Add	*0.39*	
32 17 23 33-0041	LF	Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	4.59	
		For 60 mils Thick, Deduct	*-0.40*	
		For 125 mils Thick, Add	*0.52*	
32 17 23 33-0042	LF	Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	6.64	
		For 60 mils Thick, Deduct	*-0.61*	
		For 125 mils Thick, Add	*0.78*	
32 17 23 33-0043	LF	Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs	12.08	
		For 60 mils Thick, Deduct	*-1.21*	
		For 125 mils Thick, Add	*1.56*	
32 17 23 33-0044		**Preformed, Patterned Thermoplastic Reflective Pavement Marking Tape** *(32 17 23 33-0001)*		
		Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0045	LF	Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	3.15	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.63*	
		For >25,000 LF, Deduct	*-0.47*	
32 17 23 33-0046	LF	Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	4.67	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*0.93*	
		For >25,000 LF, Deduct	*-0.70*	
32 17 23 33-0047	LF	Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	6.20	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*1.24*	
		For >25,000 LF, Deduct	*-0.93*	
32 17 23 33-0048	LF	Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping	9.21	
		Note: Includes yellow or white.		
		For Up To 5,000 LF, Add	*1.84*	
		For >25,000 LF, Deduct	*-1.38*	
32 17 23 33-0049	SF	Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape	24.60	
		Note: Includes yellow or white.		
32 17 23 33-0050	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	36.69	
		For <10, Add	*1.00*	
		For >50 To 100, Deduct	*-0.50*	
		For >100 To 200, Deduct	*-0.67*	
		For >200, Deduct	*-1.33*	
32 17 23 33-0051	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	65.59	
		For <10, Add	*1.27*	
		For >50 To 100, Deduct	*-0.63*	
		For >100 To 200, Deduct	*-0.85*	
		For >200, Deduct	*-1.69*	
32 17 23 33-0052	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	112.13	
		For <10, Add	*2.51*	
		For >50 To 100, Deduct	*-1.26*	
		For >100 To 200, Deduct	*-1.68*	
		For >200, Deduct	*-3.35*	
32 17 23 33-0053	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	159.58	
		For <10, Add	*5.03*	
		For >50 To 100, Deduct	*-2.51*	
		For >100 To 200, Deduct	*-3.35*	
		For >200, Deduct	*-6.70*	
32 17 23 33-0054	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	187.47	
		For <10, Add	*5.64*	
		For >50 To 100, Deduct	*-2.82*	
		For >100 To 200, Deduct	*-3.76*	
		For >200, Deduct	*-7.51*	
32 17 23 33-0055	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	235.34	
		For <10, Add	*10.03*	
		For >50 To 100, Deduct	*-5.01*	
		For >100 To 200, Deduct	*-6.69*	
		For >200, Deduct	*-13.37*	
32 17 23 33-0056	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	298.93	
		For <10, Add	*13.47*	
		For >50 To 100, Deduct	*-6.73*	
		For >100 To 200, Deduct	*-8.98*	
		For >200, Deduct	*-17.95*	
32 17 23 33-0057	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	375.01	
		For <10, Add	*16.69*	
		For >50 To 100, Deduct	*-8.34*	
		For >100 To 200, Deduct	*-11.12*	
		For >200, Deduct	*-22.25*	
32 17 23 33-0058	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	25.26	
32 17 23 33-0059	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape	26.48	
		Note: Handicap, railroad, diamond symbol, etc.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0060		Preformed, Thermoplastic Reflective Pavement Marking Tape *(32 17 23 33-0001)* Note: Heat applied. (Flint PreMark or HotTape Series).		
32 17 23 33-0061	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 4' width x 8' height.	402.12	
32 17 23 33-0062	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	1,068.07	
32 17 23 33-0063	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 13' height.	206.04	
32 17 23 33-0064	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 2' width x 6' height.	170.99	
32 17 23 33-0065	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	344.14	
32 17 23 33-0066	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 4' height.	200.53	
32 17 23 33-0067	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 6' width x 8' height.	384.79	
32 17 23 33-0068	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	666.98	
32 17 23 33-0069	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	1,011.58	
32 17 23 33-0070	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 1-2/3' width x 12' height.	352.11	
32 17 23 33-0071	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3' width x 12' height.	392.76	
32 17 23 33-0072	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 12' height.	736.73	
32 17 23 33-0073	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 3-1/2' width x 20' height.	675.92	
32 17 23 33-0074	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 20' height.	678.36	
32 17 23 33-0075	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape Note: Approximate overall dimensions: 5-1/2' width x 18' height.	941.93	
32 17 23 33-0076		Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas *(32 17 23 33)*		
32 17 23 33-0077		Thermoplastic Pavement Marking Symbols For Parking Areas *(32 17 23 33-0076)* Note: Heat applied. (Flint PreMark Series).		
32 17 23 33-0078	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White or blue symbol. Excludes striping.	134.10	
32 17 23 33-0079	EA	39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	519.95	
32 17 23 33-0080	EA	40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	291.24	
32 17 23 33-0081	EA	45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas Note: White symbol on blue background. Excludes striping.	350.89	
32 17 23 33-0082	EA	48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas	367.92	

32 17 26 Tactile Warning Surfaces *(32 17)*

32 17 26 00-0001		Vitrified Polymer Composite (VPC); (Armor Tile) *(32 17 26)* Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF	Surface Applied VPC Truncated Dome Detectable Warning Surface Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.	66.71	9.50
32 17 26 00-0003	SF	Embedded, VPC Truncated Dome Detectable Warning Surface Note: Also raised strips or directional bars. All colors.	54.37	9.50
32 17 26 00-0004	EA	30.5" x 24" x 2" Precast Concrete Truncated Dome Panel Set In Thinset	389.07	
32 17 26 00-0005	LF	24" Wide Temporary Truncated Dome Strips, Screw Down Only Into Asphalt Or Concrete	96.62	18.99
32 17 26 00-0006		Fiber-Reinforced, Polymer Modified Cement And Coated With Acrylic Resin Emulsion (SatetyStep TD) *(32 17 26)* Note: Pre-molded tactile dome sheet. All colors.		
32 17 26 00-0007	SF	Up To 15 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	80.24	9.50
32 17 26 00-0008	SF	>15 To 36 SF, Surface Applied Pre-Molded Tactile Warning Mat (SSTD-MAT) Note: Includes surface preparation, SSTD-589 adhesive, SSTD-100 topcoat sealer and SSTD-1250 finish. All colors. 2' or 3' width.	71.70	9.50

32 18 Athletic and Recreational Surfacing *(32 10)*

32 18 16 Synthetic Resilient Surfacing *(32 18)*

32 18 16 13 Playground Protective Surfacing *(32 18 16)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0001		**Tile Playground Surface Material** *(32 18 16 13)* Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF	1-3/4" Thick, Resilient Rubber Tile Playground Surfacing	25.40	2.53
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Interlocking Tiles, Add	*3.57*	
		For Mechanically Fastened, Add	*1.91*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0003	SF	2" Thick, Resilient Rubber Tile Playground Surfacing	25.88	2.68
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Interlocking Tiles, Add	*3.57*	
		For Mechanically Fastened, Add	*2.01*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0004	SF	2-1/4" Thick, Resilient Rubber Tile Playground Surfacing	26.83	2.99
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Interlocking Tiles, Add	*3.57*	
		For Mechanically Fastened, Add	*2.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0005	SF	2-1/2" Thick, Resilient Rubber Tile Playground Surfacing	27.78	3.31
		For Manufacturer's Standard Colors, Add	*1.60*	
		For Interlocking Tiles, Add	*3.57*	
		For Mechanically Fastened, Add	*2.39*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0006	SF	2-3/4" Thick, Resilient Rubber Tile Playground Surfacing	31.02	3.62
		For Manufacturer's Standard Colors, Add	*1.21*	
		For Interlocking Tiles, Add	*4.03*	
		For Mechanically Fastened, Add	*2.58*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0007	SF	3" Thick, Resilient Rubber Tile Playground Surfacing	32.07	3.97
		For Manufacturer's Standard Colors, Add	*1.21*	
		For Interlocking Tiles, Add	*4.03*	
		For Mechanically Fastened, Add	*2.79*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0008	SF	3-1/4" Thick, Resilient Rubber Tile Playground Surfacing	33.16	4.33
		For Manufacturer's Standard Colors, Add	*1.21*	
		For Interlocking Tiles, Add	*4.03*	
		For Mechanically Fastened, Add	*3.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0009	SF	3-1/2" Thick, Resilient Rubber Tile Playground Surfacing	36.49	4.64
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Interlocking Tiles, Add	*4.50*	
		For Mechanically Fastened, Add	*3.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0010	SF	3-3/4" Thick, Resilient Rubber Tile Playground Surfacing	37.44	5.01
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Interlocking Tiles, Add	*4.50*	
		For Mechanically Fastened, Add	*3.39*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0011	SF	4" Thick, Resilient Rubber Tile Playground Surfacing	38.48	5.30
		For Manufacturer's Standard Colors, Add	*0.67*	
		For Interlocking Tiles, Add	*4.50*	
		For Mechanically Fastened, Add	*3.60*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0012	SF	4-1/2" Thick, Resilient Rubber Tile Playground Surfacing	44.34	5.96
		For Manufacturer's Standard Colors, Add	*0.66*	
		For Interlocking Tiles, Add	*5.27*	
		For Mechanically Fastened, Add	*4.00*	
		For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	*1.50*	
32 18 16 13-0013		**Loose Laid Playground Surface Material** *(32 18 16 13)* Note: Excludes sub base.		
32 18 16 13-0014	SF	3" Loose Laid Wood Fiber Safety Playground Surfacing	1.80	0.38
32 18 16 13-0015	SF	6" Loose Laid Wood Fiber Safety Playground Surfacing	2.39	0.47
32 18 16 13-0016	SF	9" Loose Laid Wood Fiber Safety Playground Surfacing	3.06	0.57
32 18 16 13-0017	SF	12" Loose Laid Wood Fiber Safety Playground Surfacing	4.31	0.86
32 18 16 13-0018	SF	3" Loose Laid Synthetic Fiber Safety Playground Surfacing	2.70	0.38
32 18 16 13-0019	SF	6" Loose Laid Synthetic Fiber Safety Playground Surfacing	3.34	0.47
32 18 16 13-0020	SF	9" Loose Laid Synthetic Fiber Safety Playground Surfacing	5.12	0.57
32 18 16 13-0021	SF	12" Loose Laid Synthetic Fiber Safety Playground Surfacing	6.39	0.86
32 18 16 13-0022	SF	8" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.	10.85	1.42
32 18 16 13-0023	SF	12" FIBAR System Playground Surfacing Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.	13.81	1.90
32 18 16 13-0024		**Poured In Place Playground Surfacing** *(32 18 16 13)* Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Includes all colors. Excludes base preparation.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 16 13-0025	SF	1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.17	2.95
		For Up To 2,000, Add	*3.99*	
		For >2,000 To 3,000, Add	*2.82*	
		For >3,000 To 4,000, Add	*1.92*	
		For >4,000 To 5,000, Add	*1.23*	
		For >5,000 To 7,000, Add	*0.51*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0026	SF	2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing	20.80	3.26
		For Up To 2,000, Add	*4.12*	
		For >2,000 To 3,000, Add	*2.91*	
		For >3,000 To 4,000, Add	*1.98*	
		For >4,000 To 5,000, Add	*1.26*	
		For >5,000 To 7,000, Add	*0.53*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0027	SF	2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing	22.46	3.73
		For Up To 2,000, Add	*4.45*	
		For >2,000 To 3,000, Add	*3.14*	
		For >3,000 To 4,000, Add	*2.14*	
		For >4,000 To 5,000, Add	*1.37*	
		For >5,000 To 7,000, Add	*0.57*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0028	SF	3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing	24.27	3.97
		For Up To 2,000, Add	*4.81*	
		For >2,000 To 3,000, Add	*3.39*	
		For >3,000 To 4,000, Add	*2.31*	
		For >4,000 To 5,000, Add	*1.48*	
		For >5,000 To 7,000, Add	*0.62*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0029	SF	3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing	26.05	4.18
		For Up To 2,000, Add	*5.16*	
		For >2,000 To 3,000, Add	*3.64*	
		For >3,000 To 4,000, Add	*2.48*	
		For >4,000 To 5,000, Add	*1.58*	
		For >5,000 To 7,000, Add	*0.66*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0030	SF	4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing	27.58	4.42
		For Up To 2,000, Add	*5.46*	
		For >2,000 To 3,000, Add	*3.85*	
		For >3,000 To 4,000, Add	*2.62*	
		For >4,000 To 5,000, Add	*1.68*	
		For >5,000 To 7,000, Add	*0.70*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0031	SF	4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing	29.37	4.66
		For Up To 2,000, Add	*5.82*	
		For >2,000 To 3,000, Add	*4.10*	
		For >3,000 To 4,000, Add	*2.80*	
		For >4,000 To 5,000, Add	*1.78*	
		For >5,000 To 7,000, Add	*0.74*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0032	SF	5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing	32.95	5.22
		For Up To 2,000, Add	*6.52*	
		For >2,000 To 3,000, Add	*4.60*	
		For >3,000 To 4,000, Add	*3.14*	
		For >4,000 To 5,000, Add	*2.00*	
		For >5,000 To 7,000, Add	*0.83*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0033	SF	1/2" Top Only, Poured In Place Playground Surfacing Note: Not used with new surfacing system tasks.	13.18	
		For Up To 2,000, Add	*3.93*	
		For >2,000 To 3,000, Add	*2.55*	
		For >3,000 To 4,000, Add	*1.55*	
		For >4,000 To 5,000, Add	*0.94*	
		For >5,000 To 7,000, Add	*0.42*	
		For Aliphatic (Non-Yellowing) Binder, Add	*4.41*	
		For Each 10% Of Area In Black Instead Of Color, Deduct	*-0.60*	
32 18 16 13-0034	EA	Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing	2,900.60	

32 18 16 13-0035 Synthetic Playground Turf (Sporturf) *(32 18 16 13)*

Note: Excludes base preparation, aggregate, or drainage.

32 18 16 13-0036	SF	60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929)	10.82	
32 18 16 13-0037	SF	71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906)	9.51	
32 18 16 13-0038	SF	2" Foam Padding (Sporturf)	6.13	
32 18 16 13-0039	CF	Sand/Rubber Infill (Sporturf)	56.69	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 18 23 Athletic Surfacing *(32 18)*

32 18 23 29 Synthetic Field Sport Surfacing *(32 18 23)*

32 18 23 29-0001 Synthetic Field Sport Surfacing *(32 18 23 29)*

32 18 23 29-0002 Synthetic Turf (AstroTurf) *(32 18 23 29-0001)*
Note: Includes labor, equipment and material required to install the task.

32 18 23 29-0003 Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT) *(32 18 23 29-0002)*

32 18 23 29-0004 38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38) *(32 18 23 29-0003)*

32 18 23 29-0005	SF	38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38) Note: Per sport.	8.51	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0006	EA	Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields	28,277.14	
32 18 23 29-0007	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields	23,048.54	
32 18 23 29-0008	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per sport.	6,935.90	
32 18 23 29-0009	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per letter. Excludes outline.	2,560.95	
32 18 23 29-0010	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 38 Fields Note: Per end zone.	2,454.24	
32 18 23 29-0011	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Block letter.	21,341.24	
32 18 23 29-0012	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields Note: Graphic.	30,944.80	

32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41) *(32 18 23 29-0003)*

32 18 23 29-0014	SF	41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41) Note: Per sport.	9.80	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0015	EA	Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields	28,810.85	
32 18 23 29-0016	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields	23,902.33	
32 18 23 29-0017	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per sport.	7,469.48	
32 18 23 29-0018	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per letter. Excludes outline.	2,774.38	
32 18 23 29-0019	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 41 Fields Note: Per end zone.	2,560.96	
32 18 23 29-0020	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Block letter.	22,408.44	
32 18 23 29-0021	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields Note: Graphic.	32,492.23	

32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45) *(32 18 23 29-0003)*

32 18 23 29-0023	SF	45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45) Note: Per sport.	9.99	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0024	EA	Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields	29,344.38	
32 18 23 29-0025	EA	Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields	25,823.06	
32 18 23 29-0026	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per sport.	8,003.01	
32 18 23 29-0027	EA	End Zone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per letter. Excludes outline.	2,987.79	
32 18 23 29-0028	EA	Colored End Zone For AstroTurf® GameDay Grass™ MT 45 Fields Note: Per end zone.	2,667.67	
32 18 23 29-0029	EA	Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Block letter.	23,475.50	
32 18 23 29-0030	EA	Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields Note: Graphic.	34,039.48	

32 18 23 29-0031 Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) *(32 18 23 29-0002)*

32 18 23 29-0032 52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) *(32 18 23 29-0031)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0033	SF	52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52)	11.19	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0034	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	30,411.27	
32 18 23 29-0035	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields	32,438.68	
32 18 23 29-0036	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per sport.	9,070.03	
32 18 23 29-0037	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per letter. Excludes outline.	3,414.60	
32 18 23 29-0038	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Per end zone.	2,881.07	
32 18 23 29-0039	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Block letter.	25,609.49	
32 18 23 29-0040	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields Note: Graphic.	37,133.76	

32 18 23 29-0041 60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) *(32 18 23 29-0031)*

32 18 23 29-0042	SF	60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60)	11.58	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0043	EA	Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	30,944.80	
32 18 23 29-0044	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields	36,066.70	
32 18 23 29-0045	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per sport.	9,603.56	
32 18 23 29-0046	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per letter. Excludes outline.	3,628.01	
32 18 23 29-0047	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Per end zone.	2,987.77	
32 18 23 29-0048	EA	Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Block letter.	26,676.55	
32 18 23 29-0049	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields Note: Graphic.	38,681.00	

32 18 23 29-0050 52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) *(32 18 23 29-0031)*

32 18 23 29-0051	SF	52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52)	11.60	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0052	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	31,478.33	
32 18 23 29-0053	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields	36,280.11	
32 18 23 29-0054	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per sport.	10,137.09	
32 18 23 29-0055	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per letter. Excludes outline.	3,841.42	
32 18 23 29-0056	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Per end zone.	3,094.48	
32 18 23 29-0057	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Block letter.	27,743.61	
32 18 23 29-0058	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields Note: Graphic.	40,228.24	

32 18 23 29-0059 60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) *(32 18 23 29-0031)*

32 18 23 29-0060	SF	60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60)	11.83	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.20*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.25*	
		For Cryo Rubber And Sand Infill, Add	*0.30*	
32 18 23 29-0061	EA	Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	32,011.86	
32 18 23 29-0062	EA	Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields	38,627.64	
32 18 23 29-0063	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per sport.	10,670.62	
32 18 23 29-0064	EA	End Zone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per letter. Excludes outline.	4,268.25	
32 18 23 29-0065	EA	Colored End Zone For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Per end zone.	3,201.19	
32 18 23 29-0066	EA	Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Block letter.	28,810.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0067	EA	Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields Note: Graphic.	41,775.48	
32 18 23 29-0068		**Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe)** *(32 18 23 29-0002)*		
32 18 23 29-0069		**38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38)** *(32 18 23 29-0068)*		
32 18 23 29-0070	SF	38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38)	9.41	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0071	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	27,210.24	
32 18 23 29-0072	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields	20,060.89	
32 18 23 29-0073	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per sport.	5,868.88	
32 18 23 29-0074	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per letter. Excludes outline.	2,134.14	
32 18 23 29-0075	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Per end zone.	2,240.84	
32 18 23 29-0076	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Block letter.	19,207.23	
32 18 23 29-0077	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields Note: Graphic.	27,850.49	
32 18 23 29-0078		**42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42)** *(32 18 23 29-0068)*		
32 18 23 29-0079	SF	42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42)	8.25	
		For Ambient Rubber And Sand Infill, Add	*0.10*	
		For Cryo Rubber Infill, Add	*0.26*	
		For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add	*0.31*	
		For Cryo Rubber And Sand Infill, Add	*0.36*	
32 18 23 29-0080	EA	Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	27,743.61	
32 18 23 29-0081	EA	Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields	21,341.24	
32 18 23 29-0082	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per sport.	6,402.37	
32 18 23 29-0083	EA	End Zone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per letter. Excludes outline.	2,347.54	
32 18 23 29-0084	EA	Colored End Zone For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Per end zone.	2,347.54	
32 18 23 29-0085	EA	Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Block letter.	20,274.18	
32 18 23 29-0086	EA	Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields Note: Graphic.	29,397.56	
32 18 23 29-0087		**Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)** *(32 18 23 29-0002)*		
32 18 23 29-0088	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)	18.67	
32 18 23 29-0089	SF	Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®)	16.71	
32 18 23 29-0090	EA	Football Markings For AstroTurf® PureGrass® Fields	52,652.55	
32 18 23 29-0091	EA	Baseball Markings For AstroTurf® PureGrass® Fields	62,553.03	
32 18 23 29-0092	EA	Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields Note: Per sport.	15,300.74	
32 18 23 29-0093	EA	End Zone Lettering For AstroTurf® PureGrass® Fields Note: Per letter. Excludes outline.	5,850.28	
32 18 23 29-0094	EA	Colored End Zone For AstroTurf® PureGrass® Fields Note: Per end zone.	4,342.48	
32 18 23 29-0095	EA	Simple Logo For AstroTurf® PureGrass® Fields Note: Block letter.	39,082.31	
32 18 23 29-0096	EA	Deluxe Logo For AstroTurf® PureGrass® Fields Note: Graphic.	57,377.78	
32 18 23 29-0097		**Synthetic Turf (G9 Turf)** *(32 18 23 29-0001)* Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF	2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.	10.25	
		For >35,000, Deduct	*-0.92*	
32 18 23 29-0099	SF	2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf) Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.	10.15	
		For >35,000, Deduct	*-0.91*	
32 18 23 29-0100	SF	1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf) Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.	10.61	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0101	EA	Football Inlays For G9 Synthetic Turf Note: Includes field grid, numbers, arrows, coach's box and kick off lines.	72,806.55	
32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf	31,549.50	
32 18 23 29-0106	EA	End Zone Lettering For G9 Synthetic Turf Note: Priced per letter. Includes single color outlining.	3,640.33	
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf	3.41	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf	8.90	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf	2.54	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf	1.28	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf	2.10	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf Note: Includes a comprehensive report.	2,426.88	
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf	24,268.85	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.	0.80	
		For >10,000 To 30,000, Deduct	*-0.32*	
		For >30,000 To 60,000, Deduct	*-0.56*	
		For >60,000, Deduct	*-0.61*	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.	5.44	
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high-pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.	6.05	
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf Note: Used for drainage over asphalt or on rooftops.	4.96	
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf Note: Used for additional Gmax for a stone base field.	3.05	
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf Note: Includes field inspection and report.	4,836.60	
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.	13.30	
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf	5.32	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field Note: Includes removal, shipping and recycling of infill, fibers and backing.	3.75	

32 18 23 33 Running Track Surfacing *(32 18 23)*

32 18 23 33-0001 Running Track Surfacing *(32 18 23 33)*

32 18 23 33-0002	SY	2-1/2" Asphaltic Concrete Running Track Surfacing	31.74	

32 18 23 33-0003 Running Track Seal And Colored Surfaces *(32 18 23 33)*

32 18 23 33-0004	SY	1 Seal Coat, Striping Of Track Note: Includes certification.	16.26	

32 18 23 39 Synthetic Running Track Surfacing *(32 18 23)*

32 18 23 39-0001 Synthetic Running Track Surfacing And Striping *(32 18 23 39)*

Note: Includes labor, equipment and material required to install the task. Excludes asphalt base.

32 18 23 39-0002	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Or Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Synthetic Running Track Surfacing	85.28	7.46
		For >5,500, Deduct	*-6.70*	
		For Up To 4,000, Add	*21.30*	
32 18 23 39-0003	SY	Paved-In-Place Styrene-Butadiene Rubber (SBR) Granule Base Mat With Polyurethane Binder Finished With A Textured And Pigmented Polyurethane And Ethylene Propylene Diene Monomer (EPDM) Rubber Structural Spray Coat, Synthetic Running Track Surfacing	107.16	7.46
		For >5,500, Deduct	*-8.99*	
		For Up To 4,000, Add	*28.59*	
		For Custom Color Upgrade, Add	*7.76*	
		For Aliphatic Top Coating, Add	*14.70*	
32 18 23 39-0004	SY	Paved-In-Place Ethylene Propylene Diene Monomer (EPDM) Rubber Granule Base Mat With Polyurethane Binder, Two-Component Polyurethane Sealer Layer And Two-Component Polyurethane Wearing Layer With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber, Synthetic Running Track Surfacing	175.49	7.46
		For >5,500, Deduct	*-8.24*	
		For Up To 4,000, Add	*48.05*	
		For Custom Color Upgrade, Add	*10.57*	
		For Aliphatic Top Coating, Add	*19.63*	
32 18 23 39-0005	SY	Full Pour Two-Component Polyurethane Track System With Embedded Ethylene Propylene Diene Monomer (EPDM) Rubber Surface, Synthetic Running Track Surfacing	228.04	7.46
		For >5,500, Deduct	*-10.64*	
		For Up To 4,000, Add	*62.07*	
		For Custom Color Upgrade, Add	*13.83*	
		For Aliphatic Top Coating, Add	*20.22*	
32 18 23 39-0006	SY	Latex Binder, Synthetic Running Track Surfacing	78.01	
		For >5,500, Deduct	*-11.31*	
		For Up To 4,000, Add	*27.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 39-0007	SY	Spray Retop Running Tracks	68.52	
		For Up To 4,000, Add	*23.98*	
		For >5,500, Deduct	*-6.70*	
32 18 23 39-0008	SY	Sandwich Retop Running Tracks	132.64	
		For Up To 4,000, Add	*46.42*	
		For >5,500, Deduct	*-13.98*	

32 18 23 53 Tennis Court Surfacing *(32 18 23)*

32 18 23 53-0001 Tennis Court Surfacing *(32 18 23 53)*

See CSI section 32 18 23 61-0000 for 100% acrylic tennis court surfacing.

32 18 23 53-0002	SY	Tennis Court Bituminous Pavement, 2-1/2" Thick	30.16	

32 18 23 53-0003 Tennis Court Markings *(32 18 23 53)*

32 18 23 53-0004	EA	Paint Markings On Asphalt Tennis Court 2 Coats	496.94	

32 18 23 56 Natural Tennis Court Surfacing *(32 18 23)*

32 18 23 56-0001	SY	Clay Tennis Court	41.00	
32 18 23 56-0002	SY	Tennis Court, Pulverized Natural Greenstone, Fast Dry Note: Includes 4" base.	45.48	
32 18 23 56-0003	SY	Tennis Court, Rubber-Cork Base Resilient Pavement	21.53	
32 18 23 56-0004	SY	Resurface Clay Tennis Court	12.49	
32 18 23 56-0005	SY	Resurface Tennis Court, Pulverized Natural Greenstone	10.73	
32 18 23 56-0006	SY	Resurface Tennis Court, Resilient Pavement	9.04	

32 18 23 61 Multi-Use, Tennis Court, Basketball Court Athletic Surfacing *(32 18 23)*

32 18 23 61-0001 100% Acrylic Athletic Surfacing System (Plexipave®) *(32 18 23 61)*

Note: Excludes asphalt or concrete sub base and repairs of sub base.

32 18 23 61-0002 Surface Preparation For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0003	SY	100% Acrylic Resurfacer, Athletic Surfacing System (California Products Plexipave® Acrylic Resurfacer), Per Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	1.59	
32 18 23 61-0004	SY	Acid Etching Concrete Pre-Treatment For Plexipave® Athletic Surfacing System (California Products Plexipave® Concrete Preparer®), Per Coat Note: For previously uncoated portland cement concrete. Applied with broom.	0.79	
32 18 23 61-0005	SY	Two-Part, Water Based Epoxy Primer For Plexipave® Athletic Surfacing System (California Products Plexipave® Ti-Coat®), Per Coat Note: For new or uncoated portland cement concrete. Applied with a short nap phenolic roller.	2.04	
32 18 23 61-0006	SY	Up To 1/2" Thick, Acrylic Latex Patching Compound, Athletic Surfacing System (California Products Plexipave® Court Patch Binder), Per Coat Note: For patching depressions and uneven texture in new or existing asphalt or concrete surfaces. Includes ultra fine silica sand and portland cement. Applied with trowel or metal screed.	90.43	

32 18 23 61-0007 Surface Coatings For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

Note: Standard color includes dark green, Florida green, light green, maroon, Sahara sand, brown, California red, and cape gray.

32 18 23 61-0008	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), First Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	3.27	
		For Pacific Blue, Add	*1.18*	
		For US Open Blue, Add	*1.83*	
32 18 23 61-0009	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Second Coat Note: Includes ultra fine silica sand. Applied with rubber squeegee.	2.67	
		For Pacific Blue, Add	*0.85*	
		For US Open Blue, Add	*1.31*	
32 18 23 61-0010	SY	100% Acrylic Emulsion Color Coating, Athletic Surfacing System (California Products Fortified Plexipave®), Third Coat Note: Price per coat for third or additional coats. Includes ultra fine silica sand. Applied with rubber squeegee.	2.33	
		For Pacific Blue, Add	*0.66*	
		For US Open Blue, Add	*1.02*	
32 18 23 61-0011	SY	Non-Textured, 100% Acrylic Emulsion Color Coating Finish, Athletic Surfacing System (California Products Plexipave® Plexichrome®), Per Coat Note: Non-textured finish coat over Plexipave® for faster playing surfaces. Applied with rubber squeegee followed by wide hair-type push broom.	2.32	
		For Pacific Blue, Add	*0.79*	
		For US Open Or Australian Open Blue, Add	*1.29*	
		For Pro Purple, Add	*2.22*	

32 18 23 61-0012 Line Striping For Athletic Surfacing System (Plexipave®) *(32 18 23 61-0001)*

32 18 23 61-0013	SY	Tennis Or Basketball Court Line Striping For Athletic Surfacing System, Per SY Of Court (California Products Plexipave® Hi-Hide Plexicolor®) Note: Textured or non-textured highly reflective line marking paint.	1.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 61-0014		Cushion Coatings For Athletic Surfacing System (Plexipave® Plexicushion®) *(32 18 23 61-0001)*		
32 18 23 61-0015	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), First Coat Note: Applied with rubber squeegee.	4.97	
32 18 23 61-0016	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Second Coat Note: Applied with rubber squeegee.	6.75	
32 18 23 61-0017	SY	Resilient Latex Undercoating Base Coat, Athletic Surfacing System (California Products Plexipave® Plexicushion® Base Coat), Third Coat Note: Price per coat for third or additional coats. Applied with rubber squeegee.	5.82	
32 18 23 61-0018	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), First Coat Note: Applied with rubber squeegee.	4.38	
32 18 23 61-0019	SY	Resilient Latex Undercoating, Athletic Surfacing System (California Products Plexipave® Plexicushion®), Second Coat Note: Price per coat for second or additional coats. Applied with rubber squeegee.	3.37	
32 18 23 61-0020		Resurface Athletic Court *(32 18 23 61)* Note: Excludes asphalt or concrete sub base and repairs of sub base.		
32 18 23 61-0021	SY	Court Resurfacing System, 2 Coats Resurfacer, 2 Coats Color, And Sand (SealMaster)	2.78	

32 30 Site Improvements *(32)*

32 31 Fences and Gates *(32 30)*

32 31 11 Gate Operators *(32 31)*

32 31 11 00-0001		Gate Operators *(32 31 11)* Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0001)*		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0004		Single Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary operator with a 10' wide gate capacity.	2,084.69	230.97
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary operator with a 14' wide gate capacity.	2,787.89	230.97
32 31 11 00-0007		Dual Gate, Swing Gate Actuator *(32 31 11 00-0003)*		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.	4,169.39	461.92
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.	5,575.78	461.92
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*		
32 31 11 00-0011		Single Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0012	EA	400 Lb. Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary operator with a 10' wide and 400 Lb. gate capacity.	4,284.44	230.97
32 31 11 00-0013	EA	500 Lb. Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary operator with a 14' wide and 500 Lb. gate capacity.	4,663.08	230.97
32 31 11 00-0014	EA	700 Lb. Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with an 18' wide and 700 Lb. gate capacity.	6,339.94	230.97
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0015	EA	800 Lb. Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary operator with a 22' wide and 800 Lb. gate capacity.	7,187.39	230.97
		For 208/230/460 Volt AC, Add	*322.50*	
32 31 11 00-0016		Dual Gate, Swing Gate Operators *(32 31 11 00-0010)*		
32 31 11 00-0017	EA	400 Lb. Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050) Note: Includes one primary and one secondary operator each with a 10' wide and 400 Lb. gate capacity.	7,577.20	461.92
32 31 11 00-0018	EA	500 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100) Note: Includes one primary and one secondary operator each with a 14' wide and 500 Lb. gate capacity.	8,334.49	461.92
32 31 11 00-0019	EA	700 Lb. Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500) Note: Includes one primary and one secondary operator each with an 18' wide and 700 Lb. gate capacity.	11,670.18	461.92
		For 208/230/460 Volt AC, Add	*322.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0020	EA	800 Lb. Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500)	13,527.34	461.92
		Note: Includes one primary and one secondary operator each with a 22' wide and 800 Lb. gate capacity.		
		For 208/230/460 Volt AC, Add	*322.50*	

32 31 11 00-0021 Sliding Gate Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.

32 31 11 00-0022	EA	300 Lb. Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050)	1,955.09	230.97
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA	1,000 Lb. Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100)	2,726.19	277.15
		Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA	1,500 Lb. Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150)	3,359.65	277.15
		Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA	3,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210)	4,379.61	323.35
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA	2,000 Lb. Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220)	5,356.95	323.35
		Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230)	7,295.44	369.54
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA	5,000 Lb. Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530)	12,141.45	369.54
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA	10,000 Lb. Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550)	20,541.27	415.74
		Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		

32 31 11 00-0030 Accessories For Gate Actuators And Operators (DKS™ DoorKing®) *(32 31 11 00-0002)*

32 31 11 00-0031	EA	Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410)	683.06	
32 31 11 00-0032	EA	Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409)	1,328.25	
32 31 11 00-0033	EA	Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601)	906.00	
32 31 11 00-0034	EA	Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031)	980.35	
32 31 11 00-0035	EA	Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020)	872.16	
32 31 11 00-0036	EA	Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310)	610.72	
32 31 11 00-0037	LF	#40 Chain For Sliding Gate Operators	6.11	
32 31 11 00-0038	LF	#41 Chain For Sliding Gate Operators	6.38	
32 31 11 00-0039	LF	#50 Chain For Sliding Gate Operators	8.13	
32 31 11 00-0040	LF	#60 Chain For Sliding Gate Operators	12.48	
32 31 11 00-0041	EA	Exterior Keypad Gate Operator (Linear AK-11)	691.92	127.80

32 31 11 00-0042 Sliding Gate Operator (LiftMaster) *(32 31 11 00-0001)*

32 31 11 00-0043	EA	Up To 1,500 Lb. Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U)	2,875.21	283.19
		Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
		For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	*191.03*	
		For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	*136.74*	
		For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	*67.34*	
		For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	*270.67*	
		For Each Additional 10' Chain, Add	*40.54*	

32 31 13 Chain Link Fences and Gates *(32 31)*

32 31 13 13 Chain Link Fences and Gates *(32 31 13)*

32 31 13 13-0001 Post Holes *(32 31 13 13)*

Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0081 for core drilling in concrete, 02 41 19 13-0219 for core drilling in asphalt.

32 31 13 13-0002 Auger By Machine Fence Post Hole In Soil *(32 31 13 13-0001)*

32 31 13 13-0003	VLF	Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	10.09
32 31 13 13-0004	VLF	2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil	11.35
32 31 13 13-0005	VLF	3" Diameter Hole, Auger By Machine Fence Post Hole In Soil	13.45
32 31 13 13-0006	VLF	4" Diameter Hole, Auger By Machine Fence Post Hole In Soil	15.13
32 31 13 13-0007	VLF	6" Diameter Hole, Auger By Machine Fence Post Hole In Soil	16.51
32 31 13 13-0008	VLF	8" Diameter Hole, Auger By Machine Fence Post Hole In Soil	18.16
32 31 13 13-0009	VLF	10" Diameter Hole, Auger By Machine Fence Post Hole In Soil	20.18
32 31 13 13-0010	VLF	12" Diameter Hole, Auger By Machine Fence Post Hole In Soil	22.70
32 31 13 13-0011	VLF	18" Diameter Hole, Auger By Machine Fence Post Hole In Soil	25.95
32 31 13 13-0012	VLF	24" Diameter Hole, Auger By Machine Fence Post Hole In Soil	30.28
32 31 13 13-0013	VLF	30" Diameter Hole, Auger By Machine Fence Post Hole In Soil	36.33
32 31 13 13-0014	VLF	36" Diameter Hole, Auger By Machine Fence Post Hole In Soil	45.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0015		**Post Hole In Rock** *(32 31 13 13-0001)*		
32 31 13 13-0016	CF	Jackhammer Post Hole In Rock	77.54	
32 31 13 13-0017	CF	Rock Drill Post Hole In Rock	21.08	
32 31 13 13-0018		**Fill For Post Holes** *(32 31 13 13-0001)*		
32 31 13 13-0019		**Concrete Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0020	VLF	Up To 2-1/2" Diameter, Concrete Fill For Post Hole	6.27	
32 31 13 13-0021	VLF	2-1/2" Diameter, Concrete Fill For Post Hole	8.04	
32 31 13 13-0022	VLF	3" Diameter, Concrete Fill For Post Hole	8.87	
32 31 13 13-0023	VLF	4" Diameter, Concrete Fill For Post Hole	10.23	
32 31 13 13-0024	VLF	6" Diameter, Concrete Fill For Post Hole	14.46	
32 31 13 13-0025	VLF	8" Diameter, Concrete Fill For Post Hole	19.31	
32 31 13 13-0026	VLF	10" Diameter, Concrete Fill For Post Hole	23.63	
32 31 13 13-0027	VLF	12" Diameter, Concrete Fill For Post Hole	27.57	
32 31 13 13-0028	VLF	18" Diameter, Concrete Fill For Post Hole	37.69	
32 31 13 13-0029	VLF	24" Diameter, Concrete Fill For Post Hole	46.88	
32 31 13 13-0030	VLF	30" Diameter, Concrete Fill For Post Hole	55.86	
32 31 13 13-0031	VLF	36" Diameter, Concrete Fill For Post Hole	65.19	
32 31 13 13-0032		**Grout Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0033	VLF	Up To 2-1/2" Diameter, Grout Fill For Post Hole	7.39	
32 31 13 13-0034	VLF	2-1/2" Diameter, Grout Fill For Post Hole	9.50	
32 31 13 13-0035	VLF	3" Diameter, Grout Fill For Post Hole	10.38	
32 31 13 13-0036	VLF	4" Diameter, Grout Fill For Post Hole	11.70	
32 31 13 13-0037	VLF	6" Diameter, Grout Fill For Post Hole	16.37	
32 31 13 13-0038	VLF	8" Diameter, Grout Fill For Post Hole	21.86	
32 31 13 13-0039	VLF	10" Diameter, Grout Fill For Post Hole	26.65	
32 31 13 13-0040	VLF	12" Diameter, Grout Fill For Post Hole	30.95	
32 31 13 13-0041	VLF	18" Diameter, Grout Fill For Post Hole	41.53	
32 31 13 13-0042	VLF	24" Diameter, Grout Fill For Post Hole	50.88	
32 31 13 13-0043	VLF	30" Diameter, Grout Fill For Post Hole	59.94	
32 31 13 13-0044	VLF	36" Diameter, Grout Fill For Post Hole	69.25	
32 31 13 13-0045		**Compacted Earth Fill For Post Holes** *(32 31 13 13-0018)*		
32 31 13 13-0046	VLF	Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole	5.14	
32 31 13 13-0047	VLF	2-1/2" Diameter, Compacted Earth Fill For Post Hole	6.69	
32 31 13 13-0048	VLF	3" Diameter, Compacted Earth Fill For Post Hole	7.00	
32 31 13 13-0049	VLF	4" Diameter, Compacted Earth Fill For Post Hole	7.20	
32 31 13 13-0050	VLF	6" Diameter, Compacted Earth Fill For Post Hole	9.62	
32 31 13 13-0051	VLF	8" Diameter, Compacted Earth Fill For Post Hole	12.83	
32 31 13 13-0052	VLF	10" Diameter, Compacted Earth Fill For Post Hole	15.40	
32 31 13 13-0053	VLF	12" Diameter, Compacted Earth Fill For Post Hole	17.45	
32 31 13 13-0054	VLF	18" Diameter, Compacted Earth Fill For Post Hole	21.27	
32 31 13 13-0055	VLF	24" Diameter, Compacted Earth Fill For Post Hole	23.87	
32 31 13 13-0056	VLF	30" Diameter, Compacted Earth Fill For Post Hole	26.18	
32 31 13 13-0057	VLF	36" Diameter, Compacted Earth Fill For Post Hole	28.23	
32 31 13 13-0058		**Fence Posts** *(32 31 13 13)*		
		Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0059		**Fence Posts** *(32 31 13 13-0058)*		
32 31 13 13-0060		**1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel** *(32 31 13 13-0059)*		
		Note: Includes cap and accessories.		
32 31 13 13-0061	LF	1-7/8" Galvanized H-beam Post, Up To 6' In Length	22.80	3.53
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0062	LF	1-7/8" Galvanized H-beam Post, 7' To 10' In Length	21.80	3.00
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0063	LF	1-7/8" Galvanized H-beam Post, 11' To 15' In Length	20.57	2.48
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0064	LF	1-7/8" Galvanized H-beam Post, 16' To 20' In Length	19.60	1.96
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0065	LF	1-7/8" Galvanized H-beam Post, 21' To 24' In Length	18.95	1.69
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0066	LF	1-7/8" Galvanized H-beam Post, >24' In Length	17.92	1.18
		For Each Top Rail Fitting, Add	*0.85*	
32 31 13 13-0067		**Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)** *(32 31 13 13-0059)*		
		Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0068	LF	Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	15.59	3.27
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.27*	
		For Vinyl Coated, Add	*5.44*	
		For Powder Coated, Add	*7.25*	
		For Aluminum Coated, Add	*11.33*	
		For Schedule 20, Deduct	*-1.81*	
		For Schedule 80, Add	*5.00*	
32 31 13 13-0069	LF	7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	14.47	2.74
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.24*	
		For Vinyl Coated, Add	*5.37*	
		For Powder Coated, Add	*7.16*	
		For Aluminum Coated, Add	*11.19*	
		For Schedule 20, Deduct	*-1.79*	
		For Schedule 80, Add	*4.85*	
32 31 13 13-0070	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	13.29	2.22
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.22*	
		For Vinyl Coated, Add	*5.33*	
		For Powder Coated, Add	*7.11*	
		For Aluminum Coated, Add	*11.11*	
		For Schedule 20, Deduct	*-1.78*	
		For Schedule 80, Add	*4.71*	
32 31 13 13-0071	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	12.39	1.69
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.22*	
		For Vinyl Coated, Add	*5.32*	
		For Powder Coated, Add	*7.09*	
		For Aluminum Coated, Add	*11.08*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.61*	
32 31 13 13-0072	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.80	1.44
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.21*	
		For Vinyl Coated, Add	*5.31*	
		For Powder Coated, Add	*7.08*	
		For Aluminum Coated, Add	*11.06*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.54*	
32 31 13 13-0073	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post	11.14	1.18
		For Each Top Rail Fitting, Add	*0.85*	
		For Each Single Barbed Wire Arm, Add	*1.90*	
		For Each Double Barbed Wire Arm, Add	*3.40*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.21*	
		For Vinyl Coated, Add	*5.30*	
		For Powder Coated, Add	*7.07*	
		For Aluminum Coated, Add	*11.05*	
		For Schedule 20, Deduct	*-1.77*	
		For Schedule 80, Add	*4.47*	

32 31 13 13-0074 Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal) *(32 31 13 13-0059)*

Note: 2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0075	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	17.84	3.40
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.77*	
		For Vinyl Coated, Add	*6.65*	
		For Powder Coated, Add	*8.87*	
		For Aluminum Coated, Add	*13.86*	
		For Schedule 20, Deduct	*-2.22*	
		For Schedule 80, Add	*6.00*	
32 31 13 13-0076	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	16.78	2.87
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.74*	
		For Vinyl Coated, Add	*6.56*	
		For Powder Coated, Add	*8.75*	
		For Aluminum Coated, Add	*13.68*	
		For Schedule 20, Deduct	*-2.19*	
		For Schedule 80, Add	*5.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0077	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	15.53	2.35
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.72*	
		For Vinyl Coated, Add	*6.52*	
		For Powder Coated, Add	*8.70*	
		For Aluminum Coated, Add	*13.59*	
		For Schedule 20, Deduct	*-2.17*	
		For Schedule 80, Add	*5.68*	
32 31 13 13-0078	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	14.56	1.82
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.71*	
		For Vinyl Coated, Add	*6.50*	
		For Powder Coated, Add	*8.66*	
		For Aluminum Coated, Add	*13.54*	
		For Schedule 20, Deduct	*-2.17*	
		For Schedule 80, Add	*5.57*	
32 31 13 13-0079	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	13.92	1.56
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.70*	
		For Vinyl Coated, Add	*6.49*	
		For Powder Coated, Add	*8.65*	
		For Aluminum Coated, Add	*13.51*	
		For Schedule 20, Deduct	*-2.16*	
		For Schedule 80, Add	*5.50*	
32 31 13 13-0080	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length	13.33	1.31
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*2.70*	
		For Vinyl Coated, Add	*6.49*	
		For Powder Coated, Add	*8.65*	
		For Aluminum Coated, Add	*13.51*	
		For Schedule 20, Deduct	*-2.16*	
		For Schedule 80, Add	*5.44*	

32 31 13 13-0081 Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal) *(32 31 13 13-0059)*

Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0082	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length	21.78	3.66
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.67*	
		For Vinyl Coated, Add	*8.80*	
		For Powder Coated, Add	*11.73*	
		For Aluminum Coated, Add	*18.33*	
		For Schedule 20, Deduct	*-2.93*	
		For Schedule 80, Add	*7.75*	
32 31 13 13-0083	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	20.61	3.13
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.62*	
		For Vinyl Coated, Add	*8.69*	
		For Powder Coated, Add	*11.59*	
		For Aluminum Coated, Add	*18.11*	
		For Schedule 20, Deduct	*-2.90*	
		For Schedule 80, Add	*7.57*	
32 31 13 13-0084	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	19.30	2.48
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.60*	
		For Vinyl Coated, Add	*8.65*	
		For Powder Coated, Add	*11.53*	
		For Aluminum Coated, Add	*18.01*	
		For Schedule 20, Deduct	*-2.88*	
		For Schedule 80, Add	*7.41*	
32 31 13 13-0085	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	18.29	1.96
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.62*	
		For Powder Coated, Add	*11.50*	
		For Aluminum Coated, Add	*17.96*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0086	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length	17.62	1.69
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.61*	
		For Powder Coated, Add	*11.48*	
		For Aluminum Coated, Add	*17.94*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.22*	
32 31 13 13-0087	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length	16.98	1.31
		For Each Top Rail Fitting, Add	*1.35*	
		For Each Single Barbed Wire Arm, Add	*2.65*	
		For Each Double Barbed Wire Arm, Add	*4.88*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*3.59*	
		For Vinyl Coated, Add	*8.60*	
		For Powder Coated, Add	*11.47*	
		For Aluminum Coated, Add	*17.93*	
		For Schedule 20, Deduct	*-2.87*	
		For Schedule 80, Add	*7.15*	

32 31 13 13-0088 Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal) *(32 31 13 13-0059)*

Note: 3" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0089	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length	29.99	3.92
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.54*	
		For Vinyl Coated, Add	*13.30*	
		For Powder Coated, Add	*17.73*	
		For Aluminum Coated, Add	*27.70*	
		For Schedule 20, Deduct	*-4.43*	
		For Schedule 80, Add	*11.42*	
32 31 13 13-0090	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	28.56	3.40
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.45*	
		For Vinyl Coated, Add	*13.09*	
		For Powder Coated, Add	*17.45*	
		For Aluminum Coated, Add	*27.26*	
		For Schedule 20, Deduct	*-4.36*	
		For Schedule 80, Add	*11.14*	
32 31 13 13-0091	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	27.08	2.74
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.41*	
		For Vinyl Coated, Add	*12.98*	
		For Powder Coated, Add	*17.31*	
		For Aluminum Coated, Add	*27.05*	
		For Schedule 20, Deduct	*-4.33*	
		For Schedule 80, Add	*10.93*	
32 31 13 13-0092	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	25.90	2.22
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.39*	
		For Vinyl Coated, Add	*12.93*	
		For Powder Coated, Add	*17.24*	
		For Aluminum Coated, Add	*26.94*	
		For Schedule 20, Deduct	*-4.31*	
		For Schedule 80, Add	*10.78*	
32 31 13 13-0093	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	25.14	1.82
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.38*	
		For Vinyl Coated, Add	*12.91*	
		For Powder Coated, Add	*17.21*	
		For Aluminum Coated, Add	*26.89*	
		For Schedule 20, Deduct	*-4.30*	
		For Schedule 80, Add	*10.69*	
32 31 13 13-0094	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length	24.45	1.44
		For Each Top Rail Fitting, Add	*1.85*	
		For Each Single Barbed Wire Arm, Add	*3.85*	
		For Each Double Barbed Wire Arm, Add	*7.05*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*5.38*	
		For Vinyl Coated, Add	*12.90*	
		For Powder Coated, Add	*17.20*	
		For Aluminum Coated, Add	*26.88*	
		For Schedule 20, Deduct	*-4.30*	
		For Schedule 80, Add	*10.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0095		Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal) *(32 31 13 13-0059)*		
		Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0096	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length	44.42	4.18
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*9.04*	
		For Vinyl Coated, Add	*21.70*	
		For Powder Coated, Add	*28.94*	
		For Aluminum Coated, Add	*45.21*	
		For Schedule 20, Deduct	*-7.23*	
		For Schedule 80, Add	*18.19*	
32 31 13 13-0097	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	42.41	3.40
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.89*	
		For Vinyl Coated, Add	*21.32*	
		For Powder Coated, Add	*28.43*	
		For Aluminum Coated, Add	*44.43*	
		For Schedule 20, Deduct	*-7.11*	
		For Schedule 80, Add	*17.75*	
32 31 13 13-0098	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	40.95	2.87
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.81*	
		For Vinyl Coated, Add	*21.14*	
		For Powder Coated, Add	*28.18*	
		For Aluminum Coated, Add	*44.04*	
		For Schedule 20, Deduct	*-7.05*	
		For Schedule 80, Add	*17.48*	
32 31 13 13-0099	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	39.66	2.35
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.77*	
		For Vinyl Coated, Add	*21.04*	
		For Powder Coated, Add	*28.06*	
		For Aluminum Coated, Add	*43.84*	
		For Schedule 20, Deduct	*-7.01*	
		For Schedule 80, Add	*17.29*	
32 31 13 13-0100	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	39.57	2.35
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.75*	
		For Vinyl Coated, Add	*20.99*	
		For Powder Coated, Add	*27.99*	
		For Aluminum Coated, Add	*43.74*	
		For Schedule 20, Deduct	*-7.00*	
		For Schedule 80, Add	*17.25*	
32 31 13 13-0101	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	38.25	1.69
		For Each Top Rail Fitting, Add	*2.60*	
		For Each Single Barbed Wire Arm, Add	*5.10*	
		For Each Double Barbed Wire Arm, Add	*11.25*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*8.75*	
		For Vinyl Coated, Add	*20.99*	
		For Powder Coated, Add	*27.98*	
		For Aluminum Coated, Add	*43.73*	
		For Schedule 20, Deduct	*-7.00*	
		For Schedule 80, Add	*17.12*	
32 31 13 13-0102		Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal) *(32 31 13 13-0059)*		
		Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0103	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	88.49	4.57
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*19.83*	
		For Vinyl Coated, Add	*47.60*	
		For Powder Coated, Add	*63.46*	
		For Aluminum Coated, Add	*99.16*	
		For Schedule 20, Deduct	*-15.87*	
		For Schedule 80, Add	*38.99*	
32 31 13 13-0104	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	84.62	3.79
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*19.24*	
		For Vinyl Coated, Add	*46.16*	
		For Powder Coated, Add	*61.55*	
		For Aluminum Coated, Add	*96.18*	
		For Schedule 20, Deduct	*-15.39*	
		For Schedule 80, Add	*37.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0105	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	82.12	3.13
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.94*	
		For Vinyl Coated, Add	*45.45*	
		For Powder Coated, Add	*60.60*	
		For Aluminum Coated, Add	*94.69*	
		For Schedule 20, Deduct	*-15.15*	
		For Schedule 80, Add	*37.00*	
32 31 13 13-0106	LF	6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	80.25	2.48
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.79*	
		For Vinyl Coated, Add	*45.10*	
		For Powder Coated, Add	*60.13*	
		For Aluminum Coated, Add	*93.95*	
		For Schedule 20, Deduct	*-15.03*	
		For Schedule 80, Add	*36.59*	
32 31 13 13-0107	LF	6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	79.21	2.22
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.72*	
		For Vinyl Coated, Add	*44.92*	
		For Powder Coated, Add	*59.89*	
		For Aluminum Coated, Add	*93.58*	
		For Schedule 20, Deduct	*-14.97*	
		For Schedule 80, Add	*36.37*	
32 31 13 13-0108	LF	6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	78.43	1.82
		For Each Top Rail Fitting, Add	*4.55*	
		For Each Single Barbed Wire Arm, Add	*7.15*	
		For Each Double Barbed Wire Arm, Add	*14.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*18.70*	
		For Vinyl Coated, Add	*44.88*	
		For Powder Coated, Add	*59.84*	
		For Aluminum Coated, Add	*93.50*	
		For Schedule 20, Deduct	*-14.96*	
		For Schedule 80, Add	*36.27*	

32 31 13 13-0109 Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal) *(32 31 13 13-0059)*

Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.

32 31 13 13-0110	LF	8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	172.37	5.09
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*40.55*	
		For Vinyl Coated, Add	*97.31*	
		For Powder Coated, Add	*129.75*	
		For Aluminum Coated, Add	*202.74*	
		For Schedule 20, Deduct	*-32.44*	
		For Schedule 80, Add	*78.87*	
32 31 13 13-0111	LF	8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	165.97	4.31
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*39.36*	
		For Vinyl Coated, Add	*94.47*	
		For Powder Coated, Add	*125.96*	
		For Aluminum Coated, Add	*196.81*	
		For Schedule 20, Deduct	*-31.49*	
		For Schedule 80, Add	*76.43*	
32 31 13 13-0112	LF	8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	162.13	3.53
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.77*	
		For Vinyl Coated, Add	*93.04*	
		For Powder Coated, Add	*124.06*	
		For Aluminum Coated, Add	*193.84*	
		For Schedule 20, Deduct	*-31.01*	
		For Schedule 80, Add	*75.14*	
32 31 13 13-0113	LF	8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	159.48	2.74
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.47*	
		For Vinyl Coated, Add	*92.33*	
		For Powder Coated, Add	*123.11*	
		For Aluminum Coated, Add	*192.36*	
		For Schedule 20, Deduct	*-30.78*	
		For Schedule 80, Add	*74.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0114	LF	8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	158.13	2.35
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.32*	
		For Vinyl Coated, Add	*91.97*	
		For Powder Coated, Add	*122.63*	
		For Aluminum Coated, Add	*191.61*	
		For Schedule 20, Deduct	*-30.66*	
		For Schedule 80, Add	*74.06*	
32 31 13 13-0115	LF	8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length	157.21	1.96
		For Each Top Rail Fitting, Add	*7.50*	
		For Each Single Barbed Wire Arm, Add	*9.15*	
		For Each Double Barbed Wire Arm, Add	*18.95*	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	*38.29*	
		For Vinyl Coated, Add	*91.90*	
		For Powder Coated, Add	*122.54*	
		For Aluminum Coated, Add	*191.46*	
		For Schedule 20, Deduct	*-30.63*	
		For Schedule 80, Add	*73.93*	

32 31 13 13-0116 Driven Post Supports *(32 31 13 13)*
Note: OZ-Post.

32 31 13 13-0117 Driven Post Support For Round Chain Link Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0118	EA	26" Driven Post Support For 1-5/8" Round Chain Link Fence Post Note: OZ-Post GB-700.	80.29
32 31 13 13-0119	EA	26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post Note: OZ-Post HB-700.	80.29
32 31 13 13-0120	EA	26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post IS-600.	82.32
32 31 13 13-0121	EA	32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post Note: OZ-Post ISW-850.	99.01

32 31 13 13-0122 Driven Post Support For Square Ornamental Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0123	EA	34" Driven Post Support For 1-3/4" Square Ornamental Fence Post Note: OZ-Post C175-850.	92.92
32 31 13 13-0124	EA	24" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-600.	89.87
32 31 13 13-0125	EA	34" Driven Post Support For 2" Square Ornamental Fence Post Note: OZ-Post I2-850.	93.53
32 31 13 13-0126	EA	34" Driven Post Support For 2-1/2" Square Ornamental Fence Post Note: OZ-Post I25-850.	99.01
32 31 13 13-0127	EA	34" Driven Post Support For 3" Square Ornamental Fence Post Note: OZ-Post I3-850.	99.01

32 31 13 13-0128 Driven Post Support For Wooden Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0129	EA	24" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-600.	91.12
32 31 13 13-0130	EA	34" Driven Post Support For 3-1/2" Square Wooden Fence Post Note: OZ-Post T4-850.	95.96
32 31 13 13-0131	EA	34" Driven Post Support For 3-3/4" Square Wooden Fence Post Note: OZ-Post C4-850.	103.08
32 31 13 13-0132	EA	34" Driven Post Support For 4" Square Wooden Fence Post Note: OZ-Post P4-850.	103.08
32 31 13 13-0133	EA	36" Driven Post Support For 4" x 6" Wooden Fence Post Note: OZ-Post T46-850.	116.29
32 31 13 13-0134	EA	36" Driven Post Support For 6" Square Wooden Fence Post Note: OZ-Post T6-850.	125.63

32 31 13 13-0135 Driven Post Support For Vinyl Fence Posts *(32 31 13 13-0116)*

32 31 13 13-0136	EA	24" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-600.	91.12
32 31 13 13-0137	EA	34" Driven Post Support For 3-1/2" Square Vinyl Fence Post Note: OZ-Post T4-850.	95.96
32 31 13 13-0138	EA	34" Driven Post Support For 4" Square Vinyl Fence Post Note: OZ-Post P4-850.	103.08
32 31 13 13-0139	EA	34" Driven Post Support For 5" Square Vinyl Fence Post Note: OZ-Post P4-850.	104.70

32 31 13 13-0140 Chain Link Fence Assemblies *(32 31 13 13)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0141		**Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts** *(32 31 13 13-0140)* Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0684 for barb wire attachments.		
32 31 13 13-0142		**Galvanized** *(32 31 13 13-0141)*		
32 31 13 13-0143	LF	3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	44.05	4.43
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.07*	
		For 13 Gauge Fabric, Deduct	*-9.26*	
		For 11 Gauge Fabric, Deduct	*-5.41*	
		For 6 Gauge Fabric, Add	*8.50*	
		For 1" Mesh Fabric, Add	*11.60*	
		For 1-3/4" Mesh Fabric, Add	*4.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.32*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.09*	
		For Posts 8' On Centers, Add	*2.41*	
		For Posts 5' On Centers, Add	*9.06*	
		For Up To 100, Add	*8.35*	
		For >100 To 250, Add	*3.07*	
		For >2,500 To 5,000, Deduct	*-1.54*	
		For >5,000, Deduct	*-3.07*	
		For 3/8" Non-Climbable Mesh, Add	*32.88*	
32 31 13 13-0144	LF	3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	45.78	4.43
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.17*	
		For 13 Gauge Fabric, Deduct	*-9.77*	
		For 11 Gauge Fabric, Deduct	*-5.71*	
		For 6 Gauge Fabric, Add	*8.97*	
		For 1" Mesh Fabric, Add	*12.23*	
		For 1-3/4" Mesh Fabric, Add	*4.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.45*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.26*	
		For Posts 8' On Centers, Add	*2.50*	
		For Posts 5' On Centers, Add	*9.39*	
		For Up To 100, Add	*8.63*	
		For >100 To 250, Add	*3.17*	
		For >2,500 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-3.17*	
		For 3/8" Non-Climbable Mesh, Add	*37.70*	
32 31 13 13-0145	LF	4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	47.31	4.43
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.26*	
		For 13 Gauge Fabric, Deduct	*-10.21*	
		For 11 Gauge Fabric, Deduct	*-5.96*	
		For 6 Gauge Fabric, Add	*9.37*	
		For 1" Mesh Fabric, Add	*12.78*	
		For 1-3/4" Mesh Fabric, Add	*5.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.56*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.41*	
		For Posts 8' On Centers, Add	*2.58*	
		For Posts 5' On Centers, Add	*9.68*	
		For Up To 100, Add	*8.89*	
		For >100 To 250, Add	*3.26*	
		For >2,500 To 5,000, Deduct	*-1.63*	
		For >5,000, Deduct	*-3.26*	
		For 3/8" Non-Climbable Mesh, Add	*42.56*	
32 31 13 13-0146	LF	5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	50.86	4.43
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.47*	
		For 13 Gauge Fabric, Deduct	*-11.24*	
		For 11 Gauge Fabric, Deduct	*-6.57*	
		For 6 Gauge Fabric, Add	*10.32*	
		For 1" Mesh Fabric, Add	*14.07*	
		For 1-3/4" Mesh Fabric, Add	*5.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.81*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.75*	
		For Posts 8' On Centers, Add	*2.77*	
		For Posts 5' On Centers, Add	*10.36*	
		For Up To 100, Add	*9.48*	
		For >100 To 250, Add	*3.47*	
		For >2,500 To 5,000, Deduct	*-1.73*	
		For >5,000, Deduct	*-3.47*	
		For 3/8" Non-Climbable Mesh, Add	*51.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0147	LF	6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	55.07	4.43
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.74*	
		For 13 Gauge Fabric, Deduct	*-12.29*	
		For 11 Gauge Fabric, Deduct	*-7.18*	
		For 6 Gauge Fabric, Add	*11.28*	
		For 1" Mesh Fabric, Add	*15.38*	
		For 1-3/4" Mesh Fabric, Add	*6.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.08*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.10*	
		For Posts 8' On Centers, Add	*2.99*	
		For Posts 5' On Centers, Add	*11.19*	
		For Up To 100, Add	*10.23*	
		For >100 To 250, Add	*3.74*	
		For >2,500 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-3.74*	
		For 3/8" Non-Climbable Mesh, Add	*60.82*	
32 31 13 13-0148	LF	7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	57.10	6.66
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.88*	
		For 13 Gauge Fabric, Deduct	*-12.73*	
		For 11 Gauge Fabric, Deduct	*-7.44*	
		For 6 Gauge Fabric, Add	*11.69*	
		For 1" Mesh Fabric, Add	*15.94*	
		For 1-3/4" Mesh Fabric, Add	*6.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.19*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.25*	
		For Posts 8' On Centers, Add	*3.10*	
		For Posts 5' On Centers, Add	*11.61*	
		For Up To 100, Add	*10.61*	
		For >100 To 250, Add	*3.88*	
		For >2,500 To 5,000, Deduct	*-1.94*	
		For >5,000, Deduct	*-3.88*	
		For 3/8" Non-Climbable Mesh, Add	*70.13*	
32 31 13 13-0149	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	64.86	7.77
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.33*	
		For 13 Gauge Fabric, Deduct	*-14.97*	
		For 11 Gauge Fabric, Deduct	*-8.74*	
		For 6 Gauge Fabric, Add	*13.74*	
		For 1" Mesh Fabric, Add	*18.74*	
		For 1-3/4" Mesh Fabric, Add	*7.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.75*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.00*	
		For Posts 8' On Centers, Add	*3.50*	
		For Posts 5' On Centers, Add	*13.09*	
		For Up To 100, Add	*11.91*	
		For >100 To 250, Add	*4.33*	
		For >2,500 To 5,000, Deduct	*-2.17*	
		For >5,000, Deduct	*-4.33*	
		For 3/8" Non-Climbable Mesh, Add	*79.53*	
32 31 13 13-0150	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	69.14	9.99
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.60*	
		For 13 Gauge Fabric, Deduct	*-16.10*	
		For 11 Gauge Fabric, Deduct	*-9.40*	
		For 6 Gauge Fabric, Add	*14.78*	
		For 1" Mesh Fabric, Add	*20.15*	
		For 1-3/4" Mesh Fabric, Add	*8.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.03*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.37*	
		For Posts 8' On Centers, Add	*3.73*	
		For Posts 5' On Centers, Add	*13.93*	
		For Up To 100, Add	*12.65*	
		For >100 To 250, Add	*4.60*	
		For >2,500 To 5,000, Deduct	*-2.30*	
		For >5,000, Deduct	*-4.60*	
		For 3/8" Non-Climbable Mesh, Add	*87.70*	
32 31 13 13-0151	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	73.43	11.10
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.86*	
		For 13 Gauge Fabric, Deduct	*-17.23*	
		For 11 Gauge Fabric, Deduct	*-10.06*	
		For 6 Gauge Fabric, Add	*15.81*	
		For 1" Mesh Fabric, Add	*21.56*	
		For 1-3/4" Mesh Fabric, Add	*8.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.31*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.75*	
		For Posts 8' On Centers, Add	*3.96*	
		For Posts 5' On Centers, Add	*14.77*	
		For Up To 100, Add	*13.40*	
		For >100 To 250, Add	*4.86*	
		For >2,500 To 5,000, Deduct	*-2.43*	
		For >5,000, Deduct	*-4.86*	
		For 3/8" Non-Climbable Mesh, Add	*96.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0152	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	81.52	13.31
		For Each Additional Foot >12, Add	*4.34*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.37*	
		For 13 Gauge Fabric, Deduct	*-19.34*	
		For 11 Gauge Fabric, Deduct	*-11.30*	
		For 6 Gauge Fabric, Add	*17.76*	
		For 1" Mesh Fabric, Add	*24.21*	
		For 1-3/4" Mesh Fabric, Add	*9.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.84*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.46*	
		For Posts 8' On Centers, Add	*4.39*	
		For Posts 5' On Centers, Add	*16.35*	
		For Up To 100, Add	*14.81*	
		For >100 To 250, Add	*5.37*	
		For >2,500 To 5,000, Deduct	*-2.68*	
		For >5,000, Deduct	*-5.37*	
		For 3/8" Non-Climbable Mesh, Add	*104.30*	

32 31 13 13-0153 Vinyl Coated *(32 31 13 13-0141)*

32 31 13 13-0154	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.95	4.43
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*4.65*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.34*	
		For 13 Gauge Fabric, Deduct	*-10.78*	
		For 11 Gauge Fabric, Deduct	*-6.30*	
		For 6 Gauge Fabric, Add	*9.89*	
		For 1" Mesh Fabric, Add	*13.49*	
		For 1-3/4" Mesh Fabric, Add	*5.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.70*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.60*	
		For Posts 8' On Centers, Add	*2.66*	
		For Posts 5' On Centers, Add	*9.98*	
		For Up To 100, Add	*9.14*	
		For >100 To 250, Add	*3.34*	
		For >2,500 To 5,000, Deduct	*-1.67*	
		For >5,000, Deduct	*-3.34*	
		For 3/8" Non-Climbable Mesh, Add	*47.70*	
32 31 13 13-0155	LF	5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	52.93	4.43
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.16*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.57*	
		For 13 Gauge Fabric, Deduct	*-11.96*	
		For 11 Gauge Fabric, Deduct	*-6.99*	
		For 6 Gauge Fabric, Add	*10.98*	
		For 1" Mesh Fabric, Add	*14.97*	
		For 1-3/4" Mesh Fabric, Add	*5.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.99*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.99*	
		For Posts 8' On Centers, Add	*2.87*	
		For Posts 5' On Centers, Add	*10.73*	
		For Up To 100, Add	*9.79*	
		For >100 To 250, Add	*3.57*	
		For >2,500 To 5,000, Deduct	*-1.79*	
		For >5,000, Deduct	*-3.57*	
		For 3/8" Non-Climbable Mesh, Add	*58.08*	
32 31 13 13-0156	LF	6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	59.28	4.43
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*5.94*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*3.95*	
		For 13 Gauge Fabric, Deduct	*-13.75*	
		For 11 Gauge Fabric, Deduct	*-8.03*	
		For 6 Gauge Fabric, Add	*12.62*	
		For 1" Mesh Fabric, Add	*17.21*	
		For 1-3/4" Mesh Fabric, Add	*6.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.44*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.59*	
		For Posts 8' On Centers, Add	*3.20*	
		For Posts 5' On Centers, Add	*11.95*	
		For Up To 100, Add	*10.86*	
		For >100 To 250, Add	*3.95*	
		For >2,500 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-3.95*	
		For 3/8" Non-Climbable Mesh, Add	*68.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0157	LF	7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	61.99	6.66
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*6.23*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.12*	
		For 13 Gauge Fabric, Deduct	*-14.43*	
		For 11 Gauge Fabric, Deduct	*-8.43*	
		For 6 Gauge Fabric, Add	*13.25*	
		For 1" Mesh Fabric, Add	*18.07*	
		For 1-3/4" Mesh Fabric, Add	*7.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.82*	
		For Posts 8' On Centers, Add	*3.35*	
		For Posts 5' On Centers, Add	*12.49*	
		For Up To 100, Add	*11.34*	
		For >100 To 250, Add	*4.12*	
		For >2,500 To 5,000, Deduct	*-2.06*	
		For >5,000, Deduct	*-4.12*	
		For 3/8" Non-Climbable Mesh, Add	*79.12*	
32 31 13 13-0158	LF	8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	70.55	7.77
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.31*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.62*	
		For 13 Gauge Fabric, Deduct	*-16.94*	
		For 11 Gauge Fabric, Deduct	*-9.90*	
		For 6 Gauge Fabric, Add	*15.55*	
		For 1" Mesh Fabric, Add	*21.21*	
		For 1-3/4" Mesh Fabric, Add	*8.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.24*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.66*	
		For Posts 8' On Centers, Add	*3.79*	
		For Posts 5' On Centers, Add	*14.12*	
		For Up To 100, Add	*12.76*	
		For >100 To 250, Add	*4.62*	
		For >2,500 To 5,000, Deduct	*-2.31*	
		For >5,000, Deduct	*-4.62*	
		For 3/8" Non-Climbable Mesh, Add	*89.80*	
32 31 13 13-0159	LF	9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	75.25	9.99
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*7.86*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*4.90*	
		For 13 Gauge Fabric, Deduct	*-18.22*	
		For 11 Gauge Fabric, Deduct	*-10.64*	
		For 6 Gauge Fabric, Add	*16.73*	
		For 1" Mesh Fabric, Add	*22.81*	
		For 1-3/4" Mesh Fabric, Add	*9.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.56*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.08*	
		For Posts 8' On Centers, Add	*4.04*	
		For Posts 5' On Centers, Add	*15.03*	
		For Up To 100, Add	*13.57*	
		For >100 To 250, Add	*4.90*	
		For >2,500 To 5,000, Deduct	*-2.45*	
		For >5,000, Deduct	*-4.90*	
		For 3/8" Non-Climbable Mesh, Add	*99.13*	
32 31 13 13-0160	LF	10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	79.96	11.10
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*8.42*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.19*	
		For 13 Gauge Fabric, Deduct	*-19.49*	
		For 11 Gauge Fabric, Deduct	*-11.39*	
		For 6 Gauge Fabric, Add	*17.90*	
		For 1" Mesh Fabric, Add	*24.40*	
		For 1-3/4" Mesh Fabric, Add	*9.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-4.88*	
		For 2-3/8" Mesh Fabric, Deduct	*-6.51*	
		For Posts 8' On Centers, Add	*4.28*	
		For Posts 5' On Centers, Add	*15.94*	
		For Up To 100, Add	*14.38*	
		For >100 To 250, Add	*5.19*	
		For >2,500 To 5,000, Deduct	*-2.60*	
		For >5,000, Deduct	*-5.19*	
		For 3/8" Non-Climbable Mesh, Add	*108.75*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0161	LF	12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	87.26	13.31
		For Each Additional Foot >12, Add	*4.59*	
		For Powder Coated Framework (Posts, Rails, Hardware), Add	*9.21*	
		For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	*5.66*	
		For 13 Gauge Fabric, Deduct	*-21.34*	
		For 11 Gauge Fabric, Deduct	*-12.46*	
		For 6 Gauge Fabric, Add	*19.59*	
		For 1" Mesh Fabric, Add	*26.71*	
		For 1-3/4" Mesh Fabric, Add	*10.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-5.34*	
		For 2-3/8" Mesh Fabric, Deduct	*-7.12*	
		For Posts 8' On Centers, Add	*4.67*	
		For Posts 5' On Centers, Add	*17.39*	
		For Up To 100, Add	*15.68*	
		For >100 To 250, Add	*5.66*	
		For >2,500 To 5,000, Deduct	*-2.83*	
		For >5,000, Deduct	*-5.66*	
		For 3/8" Non-Climbable Mesh, Add	*117.94*	

32 31 13 13-0162 Rails *(32 31 13 13)*

Note: Includes rail end fittings.

32 31 13 13-0163 SS-20 Chain Link Fence Rails *(32 31 13 13-0162)*

Note: Includes tie wires.

32 31 13 13-0164	LF	1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings	8.02	1.44
		For SS15, Deduct	*-0.50*	
		For SS40, Add	*1.26*	
32 31 13 13-0165	LF	1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings	9.71	1.44
		For SS40, Add	*0.67*	
		For Powder Coated, Add	*1.34*	
		For Aluminum Coated, Add	*2.68*	
32 31 13 13-0166	LF	1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings	9.97	1.63
		For SS15, Deduct	*-0.67*	
		For SS40, Add	*1.68*	
32 31 13 13-0167	LF	1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings	12.22	1.63
		For SS40, Add	*0.90*	
		For Powder Coated, Add	*1.79*	
		For Aluminum Coated, Add	*3.58*	
32 31 13 13-0168	LF	2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings	11.69	1.82
		For SS40, Add	*2.01*	
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings	14.40	1.82
		For SS40, Add	*1.07*	
		For Powder Coated, Add	*2.15*	
		For Aluminum Coated, Add	*4.30*	

32 31 13 13-0170 SS-20 Middle/Bottom Rail With Tie Wire (1.66" Nominal) *(32 31 13 13-0162)*

32 31 13 13-0171	LF	1-5/8" Galvanized Steel Fence Rail, Tie Wire And Fittings	10.51	1.44
		For SS40, Add	*1.81*	
32 31 13 13-0172	LF	1-5/8" Vinyl Coated Fence Rail, Tie Wires And Fittings	12.77	1.44
		For SS40, Add	*0.95*	
		For Powder Coated, Add	*1.90*	
		For Aluminum Coated, Add	*3.80*	

32 31 13 13-0173 Fabric *(32 31 13 13)*

32 31 13 13-0174 Fabric, Galvanized Chain Link *(32 31 13 13-0173)*

32 31 13 13-0175	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	12.53	2.61
		For 1-1/4" Mesh Fabric, Add	*1.13*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.01*	
		For 13 Gauge Fabric, Deduct	*-1.82*	
		For 11 Gauge Fabric, Deduct	*-1.01*	
		For 6 Gauge Fabric, Add	*3.23*	
		For 1" Mesh Fabric, Add	*3.03*	
		For 1-1/4" Mesh Fabric, Add	*2.02*	
		For 1-3/4" Mesh Fabric, Add	*1.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.81*	
		For 3/8" Non-Climbable Mesh, Add	*34.15*	
32 31 13 13-0176	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	13.85	2.94
		For 1-1/4" Mesh Fabric, Add	*1.32*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.18*	
		For 13 Gauge Fabric, Deduct	*-2.12*	
		For 11 Gauge Fabric, Deduct	*-1.18*	
		For 6 Gauge Fabric, Add	*3.77*	
		For 1" Mesh Fabric, Add	*3.53*	
		For 1-1/4" Mesh Fabric, Add	*2.36*	
		For 1-3/4" Mesh Fabric, Add	*1.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.71*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.94*	
		For 3/8" Non-Climbable Mesh, Add	*39.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0177	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	14.98	3.27
		For 1-1/4" Mesh Fabric, Add	*1.45*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.30*	
		For 13 Gauge Fabric, Deduct	*-2.33*	
		For 11 Gauge Fabric, Deduct	*-1.30*	
		For 6 Gauge Fabric, Add	*4.14*	
		For 1" Mesh Fabric, Add	*3.89*	
		For 1-1/4" Mesh Fabric, Add	*2.59*	
		For 1-3/4" Mesh Fabric, Add	*1.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.78*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.04*	
		For 3/8" Non-Climbable Mesh, Add	*44.04*	
32 31 13 13-0178	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	16.90	3.92
		For 1-1/4" Mesh Fabric, Add	*1.81*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.62*	
		For 13 Gauge Fabric, Deduct	*-2.91*	
		For 11 Gauge Fabric, Deduct	*-1.62*	
		For 6 Gauge Fabric, Add	*5.17*	
		For 1" Mesh Fabric, Add	*4.85*	
		For 1-1/4" Mesh Fabric, Add	*3.23*	
		For 1-3/4" Mesh Fabric, Add	*1.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.97*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.29*	
		For 3/8" Non-Climbable Mesh, Add	*53.22*	
32 31 13 13-0179	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	18.96	4.57
		For 1-1/4" Mesh Fabric, Add	*2.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*1.94*	
		For 13 Gauge Fabric, Deduct	*-3.50*	
		For 11 Gauge Fabric, Deduct	*-1.94*	
		For 6 Gauge Fabric, Add	*6.22*	
		For 1" Mesh Fabric, Add	*5.83*	
		For 1-1/4" Mesh Fabric, Add	*3.89*	
		For 1-3/4" Mesh Fabric, Add	*2.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.17*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.55*	
		For 3/8" Non-Climbable Mesh, Add	*62.51*	
32 31 13 13-0180	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	21.11	5.22
		For 1-1/4" Mesh Fabric, Add	*2.53*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.26*	
		For 13 Gauge Fabric, Deduct	*-4.07*	
		For 11 Gauge Fabric, Deduct	*-2.26*	
		For 6 Gauge Fabric, Add	*7.24*	
		For 1" Mesh Fabric, Add	*6.79*	
		For 1-1/4" Mesh Fabric, Add	*4.53*	
		For 1-3/4" Mesh Fabric, Add	*2.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.36*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.81*	
		For 3/8" Non-Climbable Mesh, Add	*71.94*	
32 31 13 13-0181	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	23.40	6.53
		For 1-1/4" Mesh Fabric, Add	*2.90*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*2.59*	
		For 13 Gauge Fabric, Deduct	*-4.66*	
		For 11 Gauge Fabric, Deduct	*-2.59*	
		For 6 Gauge Fabric, Add	*8.28*	
		For 1" Mesh Fabric, Add	*7.76*	
		For 1-1/4" Mesh Fabric, Add	*5.18*	
		For 1-3/4" Mesh Fabric, Add	*3.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.55*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.07*	
		For 3/8" Non-Climbable Mesh, Add	*81.49*	
32 31 13 13-0182	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	27.85	7.19
		For 1-1/4" Mesh Fabric, Add	*3.76*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*3.36*	
		For 13 Gauge Fabric, Deduct	*-6.05*	
		For 11 Gauge Fabric, Deduct	*-3.36*	
		For 6 Gauge Fabric, Add	*10.75*	
		For 1" Mesh Fabric, Add	*10.08*	
		For 1-1/4" Mesh Fabric, Add	*6.72*	
		For 1-3/4" Mesh Fabric, Add	*4.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.02*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.69*	
		For 3/8" Non-Climbable Mesh, Add	*98.33*	
32 31 13 13-0183	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	31.78	7.83
		For 1-1/4" Mesh Fabric, Add	*4.51*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.03*	
		For 13 Gauge Fabric, Deduct	*-7.25*	
		For 11 Gauge Fabric, Deduct	*-4.03*	
		For 6 Gauge Fabric, Add	*12.89*	
		For 1" Mesh Fabric, Add	*12.08*	
		For 1-1/4" Mesh Fabric, Add	*8.06*	
		For 1-3/4" Mesh Fabric, Add	*4.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.42*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.22*	
		For 3/8" Non-Climbable Mesh, Add	*106.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0184	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	35.58	9.14
		For 1-1/4" Mesh Fabric, Add	*4.84*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.33*	
		For 13 Gauge Fabric, Deduct	*-7.79*	
		For 11 Gauge Fabric, Deduct	*-4.33*	
		For 6 Gauge Fabric, Add	*13.84*	
		For 1" Mesh Fabric, Add	*12.98*	
		For 1-1/4" Mesh Fabric, Add	*8.65*	
		For 1-3/4" Mesh Fabric, Add	*5.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.60*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.46*	
		For 3/8" Non-Climbable Mesh, Add	*116.33*	
32 31 13 13-0185	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	39.39	10.44
		For 1-1/4" Mesh Fabric, Add	*5.18*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*4.63*	
		For 13 Gauge Fabric, Deduct	*-8.33*	
		For 11 Gauge Fabric, Deduct	*-4.63*	
		For 6 Gauge Fabric, Add	*14.80*	
		For 1" Mesh Fabric, Add	*13.88*	
		For 1-1/4" Mesh Fabric, Add	*9.25*	
		For 1-3/4" Mesh Fabric, Add	*5.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.78*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.70*	
		For 3/8" Non-Climbable Mesh, Add	*126.02*	
32 31 13 13-0186	SF	>16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	2.47	0.61
		For 1-1/4" Mesh Fabric, Add	*0.32*	
		For 2 Oz Galvanized Or Zinc Coating, Add	*0.29*	
		For 13 Gauge Fabric, Deduct	*-0.52*	
		For 11 Gauge Fabric, Deduct	*-0.29*	
		For 6 Gauge Fabric, Add	*0.93*	
		For 1" Mesh Fabric, Add	*0.87*	
		For 1-1/4" Mesh Fabric, Add	*0.58*	
		For 1-3/4" Mesh Fabric, Add	*0.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.17*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.23*	

32 31 13 13-0187 Fabric, Vinyl Coated Chain Link *(32 31 13 13-0173)*

32 31 13 13-0188	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	16.63	2.61
		For 1-1/4" Mesh Fabric, Add	*1.91*	
		For 13 Gauge Fabric, Deduct	*-3.07*	
		For 11 Gauge Fabric, Deduct	*-1.71*	
		For 6 Gauge Fabric, Add	*5.46*	
		For 1" Mesh Fabric, Add	*5.12*	
		For 1-1/4" Mesh Fabric, Add	*3.42*	
		For 1-3/4" Mesh Fabric, Add	*2.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.02*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.37*	
		For 3/8" Non-Climbable Mesh, Add	*49.18*	
		For Aluminum Coated, Add	*2.73*	
32 31 13 13-0189	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	18.97	3.92
		For 1-1/4" Mesh Fabric, Add	*2.39*	
		For 13 Gauge Fabric, Deduct	*-3.84*	
		For 11 Gauge Fabric, Deduct	*-2.13*	
		For 6 Gauge Fabric, Add	*6.82*	
		For 1" Mesh Fabric, Add	*6.40*	
		For 1-1/4" Mesh Fabric, Add	*4.27*	
		For 1-3/4" Mesh Fabric, Add	*2.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.28*	
		For 2-3/8" Mesh Fabric, Deduct	*-1.71*	
		For 3/8" Non-Climbable Mesh, Add	*59.64*	
		For Aluminum Coated, Add	*3.41*	
32 31 13 13-0190	LF	6' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	23.16	4.57
		For 1-1/4" Mesh Fabric, Add	*3.35*	
		For 13 Gauge Fabric, Deduct	*-5.39*	
		For 11 Gauge Fabric, Deduct	*-2.99*	
		For 6 Gauge Fabric, Add	*9.58*	
		For 1" Mesh Fabric, Add	*8.98*	
		For 1-1/4" Mesh Fabric, Add	*5.99*	
		For 1-3/4" Mesh Fabric, Add	*3.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1.80*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.39*	
		For 3/8" Non-Climbable Mesh, Add	*70.21*	
		For Aluminum Coated, Add	*4.79*	
32 31 13 13-0191	LF	7' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	25.99	5.22
		For 1-1/4" Mesh Fabric, Add	*3.90*	
		For 13 Gauge Fabric, Deduct	*-6.27*	
		For 11 Gauge Fabric, Deduct	*-3.48*	
		For 6 Gauge Fabric, Add	*11.14*	
		For 1" Mesh Fabric, Add	*10.45*	
		For 1-1/4" Mesh Fabric, Add	*6.97*	
		For 1-3/4" Mesh Fabric, Add	*4.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.09*	
		For 2-3/8" Mesh Fabric, Deduct	*-2.79*	
		For 3/8" Non-Climbable Mesh, Add	*80.93*	
		For Aluminum Coated, Add	*5.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0192	LF	8' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	29.09	6.53
		For 1-1/4" Mesh Fabric, Add	*4.49*	
		For 13 Gauge Fabric, Deduct	*-7.22*	
		For 11 Gauge Fabric, Deduct	*-4.01*	
		For 6 Gauge Fabric, Add	*12.83*	
		For 1" Mesh Fabric, Add	*12.03*	
		For 1-1/4" Mesh Fabric, Add	*8.02*	
		For 1-3/4" Mesh Fabric, Add	*4.81*	
		For 2-1/8" Mesh Fabric, Deduct	*-2.41*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.21*	
		For 3/8" Non-Climbable Mesh, Add	*91.76*	
		For Aluminum Coated, Add	*6.42*	
32 31 13 13-0193	LF	10' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	34.38	7.19
		For 1-1/4" Mesh Fabric, Add	*5.59*	
		For 13 Gauge Fabric, Deduct	*-8.99*	
		For 11 Gauge Fabric, Deduct	*-4.99*	
		For 6 Gauge Fabric, Add	*15.98*	
		For 1" Mesh Fabric, Add	*14.98*	
		For 1-1/4" Mesh Fabric, Add	*9.99*	
		For 1-3/4" Mesh Fabric, Add	*5.99*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.00*	
		For 2-3/8" Mesh Fabric, Deduct	*-3.99*	
		For 3/8" Non-Climbable Mesh, Add	*110.92*	
		For Aluminum Coated, Add	*7.99*	
32 31 13 13-0194	LF	12' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	37.51	7.83
		For 1-1/4" Mesh Fabric, Add	*6.12*	
		For 13 Gauge Fabric, Deduct	*-9.83*	
		For 11 Gauge Fabric, Deduct	*-5.46*	
		For 6 Gauge Fabric, Add	*17.47*	
		For 1" Mesh Fabric, Add	*16.38*	
		For 1-1/4" Mesh Fabric, Add	*10.92*	
		For 1-3/4" Mesh Fabric, Add	*6.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.28*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.37*	
		For 3/8" Non-Climbable Mesh, Add	*120.29*	
		For Aluminum Coated, Add	*8.74*	
32 31 13 13-0195	LF	14' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	42.32	9.14
		For 1-1/4" Mesh Fabric, Add	*6.73*	
		For 13 Gauge Fabric, Deduct	*-10.82*	
		For 11 Gauge Fabric, Deduct	*-6.01*	
		For 6 Gauge Fabric, Add	*19.23*	
		For 1" Mesh Fabric, Add	*18.03*	
		For 1-1/4" Mesh Fabric, Add	*12.02*	
		For 1-3/4" Mesh Fabric, Add	*7.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.61*	
		For 2-3/8" Mesh Fabric, Deduct	*-4.81*	
		For 3/8" Non-Climbable Mesh, Add	*131.04*	
		For Aluminum Coated, Add	*9.62*	
32 31 13 13-0196	LF	16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	47.24	10.44
		For 1-1/4" Mesh Fabric, Add	*7.38*	
		For 13 Gauge Fabric, Deduct	*-11.86*	
		For 11 Gauge Fabric, Deduct	*-6.59*	
		For 6 Gauge Fabric, Add	*21.08*	
		For 1" Mesh Fabric, Add	*19.76*	
		For 1-1/4" Mesh Fabric, Add	*13.18*	
		For 1-3/4" Mesh Fabric, Add	*7.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-3.95*	
		For 2-3/8" Mesh Fabric, Deduct	*-5.27*	
		For 3/8" Non-Climbable Mesh, Add	*141.79*	
		For Aluminum Coated, Add	*10.54*	
32 31 13 13-0197	SF	>16' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	2.96	0.61
		For 1-1/4" Mesh Fabric, Add	*0.46*	
		For 13 Gauge Fabric, Deduct	*-0.74*	
		For 11 Gauge Fabric, Deduct	*-0.41*	
		For 6 Gauge Fabric, Add	*1.32*	
		For 1" Mesh Fabric, Add	*1.24*	
		For 1-1/4" Mesh Fabric, Add	*0.83*	
		For 1-3/4" Mesh Fabric, Add	*0.50*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.25*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.33*	
		For Aluminum Coated, Add	*0.66*	

32 31 13 13-0198 Fabric, Aluminized Steel Chain Link *(32 31 13 13-0173)*

32 31 13 13-0199	LF	3' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	12.20	2.61
		For 6 Gauge Fabric, Add	*2.97*	
		For 1" Mesh Fabric, Add	*3.90*	
32 31 13 13-0200	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	13.46	2.94
		For 6 Gauge Fabric, Add	*3.46*	
		For 1" Mesh Fabric, Add	*4.54*	
32 31 13 13-0201	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	14.74	3.27
		For 6 Gauge Fabric, Add	*3.95*	
		For 1" Mesh Fabric, Add	*5.19*	
32 31 13 13-0202	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	16.61	3.92
		For 6 Gauge Fabric, Add	*4.94*	
		For 1" Mesh Fabric, Add	*6.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0203	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	18.57	4.57
		For 6 Gauge Fabric, Add	*5.90*	
		For 1" Mesh Fabric, Add	*7.75*	
32 31 13 13-0204	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	20.69	5.22
		For 6 Gauge Fabric, Add	*6.90*	
		For 1" Mesh Fabric, Add	*9.06*	
32 31 13 13-0205	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	22.91	6.53
		For 6 Gauge Fabric, Add	*7.89*	
		For 1" Mesh Fabric, Add	*10.35*	
32 31 13 13-0206	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	26.73	7.19
		For 6 Gauge Fabric, Add	*9.86*	
		For 1" Mesh Fabric, Add	*12.94*	
32 31 13 13-0207	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh	30.45	7.83
		For 6 Gauge Fabric, Add	*11.82*	
		For 1" Mesh Fabric, Add	*15.52*	

32 31 13 13-0208 Fabric, All Aluminum Chain Link *(32 31 13 13-0173)*

32 31 13 13-0209	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	18.20	2.61
		For 6 Gauge Fabric, Add	*7.77*	
		For 1" Mesh Fabric, Add	*10.20*	
32 31 13 13-0210	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	20.47	2.94
		For 6 Gauge Fabric, Add	*9.06*	
		For 1" Mesh Fabric, Add	*11.90*	
32 31 13 13-0211	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	22.75	3.27
		For 6 Gauge Fabric, Add	*10.36*	
		For 1" Mesh Fabric, Add	*13.60*	
32 31 13 13-0212	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	26.63	3.92
		For 6 Gauge Fabric, Add	*12.95*	
		For 1" Mesh Fabric, Add	*17.00*	
32 31 13 13-0213	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	30.61	4.57
		For 6 Gauge Fabric, Add	*15.54*	
		For 1" Mesh Fabric, Add	*20.39*	
32 31 13 13-0214	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	34.72	5.22
		For 6 Gauge Fabric, Add	*18.13*	
		For 1" Mesh Fabric, Add	*23.79*	
32 31 13 13-0215	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	38.95	6.53
		For 6 Gauge Fabric, Add	*20.72*	
		For 1" Mesh Fabric, Add	*27.20*	
32 31 13 13-0216	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	46.78	7.19
		For 6 Gauge Fabric, Add	*25.90*	
		For 1" Mesh Fabric, Add	*33.99*	
32 31 13 13-0217	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh	54.52	7.83
		For 6 Gauge Fabric, Add	*31.08*	
		For 1" Mesh Fabric, Add	*40.79*	

32 31 13 13-0218 Fence Inserts *(32 31 13 13-0173)*

Note: For use with new or existing chain link fence, per lf of fence.

32 31 13 13-0219 Vinyl Plastic Fence Inserts *(32 31 13 13-0218)*

Note: Assorted colors.

32 31 13 13-0220	LF	3' High Fence, Vinyl Plastic Fence Insert	9.86
32 31 13 13-0221	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert	11.25
32 31 13 13-0222	LF	4' High Fence, Vinyl Plastic Fence Insert	12.40
32 31 13 13-0223	LF	5' High Fence, Vinyl Plastic Fence Insert	15.55
32 31 13 13-0224	LF	6' High Fence, Vinyl Plastic Fence Insert	18.60
32 31 13 13-0225	LF	7' High Fence, Vinyl Plastic Fence Insert	21.75
32 31 13 13-0226	LF	8' High Fence, Vinyl Plastic Fence Insert	24.81
32 31 13 13-0227	LF	10' High Fence, Vinyl Plastic Fence Insert	30.23

32 31 13 13-0228 Aluminum Fence Inserts *(32 31 13 13-0218)*

Note: Assorted colors.

32 31 13 13-0229	LF	3' High Fence, Aluminum Fence Insert	33.12
32 31 13 13-0230	LF	3-1/2' High Fence, Aluminum Fence Insert	36.33
32 31 13 13-0231	LF	4' High Fence, Aluminum Fence Insert	41.28
32 31 13 13-0232	LF	5' High Fence, Aluminum Fence Insert	51.67
32 31 13 13-0233	LF	6' High Fence, Aluminum Fence Insert	61.99
32 31 13 13-0234	LF	7' High Fence, Aluminum Fence Insert	67.37
32 31 13 13-0235	LF	8' High Fence, Aluminum Fence Insert	82.63
32 31 13 13-0236	LF	10' High Fence, Aluminum Fence Insert	102.85

32 31 13 13-0237 Redwood Fence Inserts *(32 31 13 13-0218)*

32 31 13 13-0238	LF	4' High Fence, Redwood Fence Insert	14.85
32 31 13 13-0239	LF	5' High Fence, Redwood Fence Insert	18.78
32 31 13 13-0240	LF	6' High Fence, Redwood Fence Insert	22.56
32 31 13 13-0241	LF	7' High Fence, Redwood Fence Insert	26.26
32 31 13 13-0242	LF	8' High Fence, Redwood Fence Insert	30.05

32 31 13 13-0243 Diagonal Flexible Polyethylene Inserts *(32 31 13 13-0218)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0244	SF	Diagonal Polyethylene Fence Weave	3.93	
32 31 13 13-0245		**Hedge Link Fence Inserts** *(32 31 13 13-0218)*		
32 31 13 13-0246	LF	3' High Fence, Hedge Link Fence Insert	21.16	
32 31 13 13-0247	LF	3-1/2' High Fence, Hedge Link Fence Insert	24.10	
32 31 13 13-0248	LF	4' High Fence, Hedge Link Fence Insert	28.21	
32 31 13 13-0249	LF	5' High Fence, Hedge Link Fence Insert	34.79	
32 31 13 13-0250	LF	6' High Fence, Hedge Link Fence Insert	39.76	
32 31 13 13-0251	LF	7' High Fence, Hedge Link Fence Insert	50.29	
32 31 13 13-0252	LF	8' High Fence, Hedge Link Fence Insert	57.11	
32 31 13 13-0253	LF	10' High Fence, Hedge Link Fence Insert	68.29	
32 31 13 13-0254	LF	12' High Fence, Hedge Link Fence Insert	78.34	
32 31 13 13-0255		**Fence Windscreen Fabric** *(32 31 13 13-0173)*		
		Note: Includes plastic wire clips.		
32 31 13 13-0256	SF	Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY	1.32	0.58
		For Sewn Boxed Vent (Each), Add	*29.02*	
		For Welded Boxed Vent (Each), Add	*14.51*	
		For 4' x 4' One Color Logo (Each), Add	*604.58*	
32 31 13 13-0257		**Non-Climbable Fabric, Galvanized Chain Link** *(32 31 13 13-0173)*		
32 31 13 13-0258	LF	3' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	34.15	2.61
		For 11 Gauge, Deduct	*-5.13*	
		For 10 Gauge, Deduct	*-2.05*	
		For 7 Gauge, Add	*3.08*	
		For 6 Gauge, Add	*7.18*	
		For 1/2" Mesh Fabric, Deduct	*-1.28*	
		For 5/8" Mesh Fabric, Deduct	*-2.82*	
		For 3/4" Mesh Fabric, Deduct	*-4.11*	
32 31 13 13-0259	LF	3'-6" Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	39.07	2.94
		For 11 Gauge, Deduct	*-5.99*	
		For 10 Gauge, Deduct	*-2.39*	
		For 7 Gauge, Add	*3.59*	
		For 6 Gauge, Add	*8.38*	
		For 1/2" Mesh Fabric, Deduct	*-1.50*	
		For 5/8" Mesh Fabric, Deduct	*-3.29*	
		For 3/4" Mesh Fabric, Deduct	*-4.79*	
32 31 13 13-0260	LF	4' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	44.04	3.27
		For 11 Gauge, Deduct	*-6.85*	
		For 10 Gauge, Deduct	*-2.74*	
		For 7 Gauge, Add	*4.11*	
		For 6 Gauge, Add	*9.59*	
		For 1/2" Mesh Fabric, Deduct	*-1.71*	
		For 5/8" Mesh Fabric, Deduct	*-3.77*	
		For 3/4" Mesh Fabric, Deduct	*-5.48*	
32 31 13 13-0261	LF	5' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	53.22	3.92
		For 11 Gauge, Deduct	*-8.56*	
		For 10 Gauge, Deduct	*-3.42*	
		For 7 Gauge, Add	*5.13*	
		For 6 Gauge, Add	*11.98*	
		For 1/2" Mesh Fabric, Deduct	*-2.14*	
		For 5/8" Mesh Fabric, Deduct	*-4.71*	
		For 3/4" Mesh Fabric, Deduct	*-6.84*	
32 31 13 13-0262	LF	6' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	62.51	4.57
		For 11 Gauge, Deduct	*-10.26*	
		For 10 Gauge, Deduct	*-4.11*	
		For 7 Gauge, Add	*6.16*	
		For 6 Gauge, Add	*14.37*	
		For 1/2" Mesh Fabric, Deduct	*-2.57*	
		For 5/8" Mesh Fabric, Deduct	*-5.65*	
		For 3/4" Mesh Fabric, Deduct	*-8.21*	
32 31 13 13-0263	LF	7' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	71.94	5.22
		For 11 Gauge, Deduct	*-11.98*	
		For 10 Gauge, Deduct	*-4.79*	
		For 7 Gauge, Add	*7.19*	
		For 6 Gauge, Add	*16.77*	
		For 1/2" Mesh Fabric, Deduct	*-2.99*	
		For 5/8" Mesh Fabric, Deduct	*-6.59*	
		For 3/4" Mesh Fabric, Deduct	*-9.58*	
32 31 13 13-0264	LF	8' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	81.49	6.53
		For 11 Gauge, Deduct	*-13.69*	
		For 10 Gauge, Deduct	*-5.48*	
		For 7 Gauge, Add	*8.21*	
		For 6 Gauge, Add	*19.16*	
		For 1/2" Mesh Fabric, Deduct	*-3.42*	
		For 5/8" Mesh Fabric, Deduct	*-7.53*	
		For 3/4" Mesh Fabric, Deduct	*-10.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0265	LF	9' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	89.89	6.86
		For 11 Gauge, Deduct	*-15.24*	
		For 10 Gauge, Deduct	*-6.09*	
		For 7 Gauge, Add	*9.14*	
		For 6 Gauge, Add	*21.33*	
		For 1/2" Mesh Fabric, Deduct	*-3.81*	
		For 5/8" Mesh Fabric, Deduct	*-8.38*	
		For 3/4" Mesh Fabric, Deduct	*-12.19*	
32 31 13 13-0266	LF	10' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	98.33	7.19
		For 11 Gauge, Deduct	*-16.78*	
		For 10 Gauge, Deduct	*-6.71*	
		For 7 Gauge, Add	*10.07*	
		For 6 Gauge, Add	*23.50*	
		For 1/2" Mesh Fabric, Deduct	*-4.20*	
		For 5/8" Mesh Fabric, Deduct	*-9.23*	
		For 3/4" Mesh Fabric, Deduct	*-13.43*	
32 31 13 13-0267	LF	12' Non-Climbable Fabric Galvanized Chain Link #9 Gauge, 3/8" Mesh	106.65	7.83
		For 11 Gauge, Deduct	*-18.20*	
		For 10 Gauge, Deduct	*-7.28*	
		For 7 Gauge, Add	*10.92*	
		For 6 Gauge, Add	*25.47*	
		For 1/2" Mesh Fabric, Deduct	*-4.55*	
		For 5/8" Mesh Fabric, Deduct	*-10.01*	
		For 3/4" Mesh Fabric, Deduct	*-14.56*	

32 31 13 13-0268 Gates *(32 31 13 13)*

Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 13 13-0269 Galvanized Steel Without Barbed Wire *(32 31 13 13-0268)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0270 4' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0271	EA	3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	392.88	24.78
		For Gate With Single Barb Wire Arm, Add	*34.70*	
		For Gate With Double Barb Wire Arm, Add	*50.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.14*	
		For Aluminized Steel Gate And Post, Add	*151.40*	
		For Powder Coated Gate And Post, Add	*82.01*	
		For 1" Mesh Fabric, Add	*137.21*	
		For 1-1/4" Mesh Fabric, Add	*88.32*	
		For 1-3/4" Mesh Fabric, Add	*54.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.44*	
32 31 13 13-0272	EA	4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	498.02	25.82
		For Gate With Single Barb Wire Arm, Add	*46.26*	
		For Gate With Double Barb Wire Arm, Add	*67.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.86*	
		For Aluminized Steel Gate And Post, Add	*201.87*	
		For Powder Coated Gate And Post, Add	*109.35*	
		For 1" Mesh Fabric, Add	*182.94*	
		For 1-1/4" Mesh Fabric, Add	*117.76*	
		For 1-3/4" Mesh Fabric, Add	*73.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.59*	
32 31 13 13-0273	EA	5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	590.38	27.47
		For Gate With Single Barb Wire Arm, Add	*55.85*	
		For Gate With Double Barb Wire Arm, Add	*81.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-95.20*	
		For Aluminized Steel Gate And Post, Add	*243.72*	
		For Powder Coated Gate And Post, Add	*132.02*	
		For 1" Mesh Fabric, Add	*220.87*	
		For 1-1/4" Mesh Fabric, Add	*142.17*	
		For 1-3/4" Mesh Fabric, Add	*88.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-44.17*	
32 31 13 13-0274	EA	6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	694.10	33.05
		For Gate With Single Barb Wire Arm, Add	*65.44*	
		For Gate With Double Barb Wire Arm, Add	*95.19*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-111.55*	
		For Aluminized Steel Gate And Post, Add	*285.57*	
		For Powder Coated Gate And Post, Add	*154.68*	
		For 1" Mesh Fabric, Add	*258.80*	
		For 1-1/4" Mesh Fabric, Add	*166.58*	
		For 1-3/4" Mesh Fabric, Add	*103.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-51.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0275	EA	7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	797.81	38.53
		For Gate With Single Barb Wire Arm, Add	*75.03*	
		For Gate With Double Barb Wire Arm, Add	*109.14*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-127.90*	
		For Aluminized Steel Gate And Post, Add	*327.42*	
		For Powder Coated Gate And Post, Add	*177.35*	
		For 1" Mesh Fabric, Add	*296.73*	
		For 1-1/4" Mesh Fabric, Add	*191.00*	
		For 1-3/4" Mesh Fabric, Add	*118.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-59.35*	
32 31 13 13-0276	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	905.11	44.00
		For Gate With Single Barb Wire Arm, Add	*85.02*	
		For Gate With Double Barb Wire Arm, Add	*123.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-144.92*	
		For Aluminized Steel Gate And Post, Add	*371.00*	
		For Powder Coated Gate And Post, Add	*200.96*	
		For 1" Mesh Fabric, Add	*336.22*	
		For 1-1/4" Mesh Fabric, Add	*216.41*	
		For 1-3/4" Mesh Fabric, Add	*134.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-67.24*	
32 31 13 13-0277	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,008.82	49.58
		For Gate With Single Barb Wire Arm, Add	*94.61*	
		For Gate With Double Barb Wire Arm, Add	*137.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.27*	
		For Aluminized Steel Gate And Post, Add	*412.85*	
		For Powder Coated Gate And Post, Add	*223.63*	
		For 1" Mesh Fabric, Add	*374.14*	
		For 1-1/4" Mesh Fabric, Add	*240.83*	
		For 1-3/4" Mesh Fabric, Add	*149.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.83*	
32 31 13 13-0278	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,114.07	55.05
		For Gate With Single Barb Wire Arm, Add	*104.37*	
		For Gate With Double Barb Wire Arm, Add	*151.81*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-177.91*	
		For Aluminized Steel Gate And Post, Add	*455.44*	
		For Powder Coated Gate And Post, Add	*246.70*	
		For 1" Mesh Fabric, Add	*412.74*	
		For 1-1/4" Mesh Fabric, Add	*265.67*	
		For 1-3/4" Mesh Fabric, Add	*165.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-82.55*	
32 31 13 13-0279	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,426.93	55.05
		For Gate With Single Barb Wire Arm, Add	*138.78*	
		For Gate With Double Barb Wire Arm, Add	*201.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-236.57*	
		For Aluminized Steel Gate And Post, Add	*605.61*	
		For Powder Coated Gate And Post, Add	*328.04*	
		For 1" Mesh Fabric, Add	*548.83*	
		For 1-1/4" Mesh Fabric, Add	*353.27*	
		For 1-3/4" Mesh Fabric, Add	*219.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-109.77*	
32 31 13 13-0280	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,691.08	58.98
		For Gate With Single Barb Wire Arm, Add	*166.54*	
		For Gate With Double Barb Wire Arm, Add	*242.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-283.88*	
		For Aluminized Steel Gate And Post, Add	*726.73*	
		For Powder Coated Gate And Post, Add	*393.65*	
		For 1" Mesh Fabric, Add	*658.60*	
		For 1-1/4" Mesh Fabric, Add	*423.93*	
		For 1-3/4" Mesh Fabric, Add	*263.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-131.72*	
32 31 13 13-0281	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,957.04	63.52
		For Gate With Single Barb Wire Arm, Add	*194.30*	
		For Gate With Double Barb Wire Arm, Add	*282.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-331.19*	
		For Aluminized Steel Gate And Post, Add	*847.85*	
		For Powder Coated Gate And Post, Add	*459.25*	
		For 1" Mesh Fabric, Add	*768.37*	
		For 1-1/4" Mesh Fabric, Add	*494.58*	
		For 1-3/4" Mesh Fabric, Add	*307.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-153.67*	
32 31 13 13-0282	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,225.26	68.78
		For Gate With Single Barb Wire Arm, Add	*222.06*	
		For Gate With Double Barb Wire Arm, Add	*322.99*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-378.51*	
		For Aluminized Steel Gate And Post, Add	*968.98*	
		For Powder Coated Gate And Post, Add	*524.86*	
		For 1" Mesh Fabric, Add	*878.13*	
		For 1-1/4" Mesh Fabric, Add	*565.24*	
		For 1-3/4" Mesh Fabric, Add	*351.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-175.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0283	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,533.05	87.21
		For Gate With Single Barb Wire Arm, Add	*249.81*	
		For Gate With Double Barb Wire Arm, Add	*363.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-425.82*	
		For Aluminized Steel Gate And Post, Add	*1,090.09*	
		For Powder Coated Gate And Post, Add	*590.47*	
		For 1" Mesh Fabric, Add	*987.90*	
		For 1-1/4" Mesh Fabric, Add	*635.89*	
		For 1-3/4" Mesh Fabric, Add	*395.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-197.58*	
32 31 13 13-0284	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,804.11	93.47
		For Gate With Single Barb Wire Arm, Add	*277.57*	
		For Gate With Double Barb Wire Arm, Add	*403.74*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-473.13*	
		For Aluminized Steel Gate And Post, Add	*1,211.22*	
		For Powder Coated Gate And Post, Add	*656.08*	
		For 1" Mesh Fabric, Add	*1,097.67*	
		For 1-1/4" Mesh Fabric, Add	*706.54*	
		For 1-3/4" Mesh Fabric, Add	*439.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-219.53*	
32 31 13 13-0285	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,071.88	100.71
		For Gate With Single Barb Wire Arm, Add	*304.65*	
		For Gate With Double Barb Wire Arm, Add	*443.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.29*	
		For Aluminized Steel Gate And Post, Add	*1,329.38*	
		For Powder Coated Gate And Post, Add	*720.08*	
		For 1" Mesh Fabric, Add	*1,204.75*	
		For 1-1/4" Mesh Fabric, Add	*775.47*	
		For 1-3/4" Mesh Fabric, Add	*481.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.95*	
32 31 13 13-0286	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,343.26	109.06
		For Gate With Single Barb Wire Arm, Add	*331.73*	
		For Gate With Double Barb Wire Arm, Add	*482.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-565.45*	
		For Aluminized Steel Gate And Post, Add	*1,447.55*	
		For Powder Coated Gate And Post, Add	*784.09*	
		For 1" Mesh Fabric, Add	*1,311.84*	
		For 1-1/4" Mesh Fabric, Add	*844.40*	
		For 1-3/4" Mesh Fabric, Add	*524.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.37*	
32 31 13 13-0287	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,619.22	119.01
		For Gate With Single Barb Wire Arm, Add	*358.81*	
		For Gate With Double Barb Wire Arm, Add	*521.91*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-611.61*	
		For Aluminized Steel Gate And Post, Add	*1,565.72*	
		For Powder Coated Gate And Post, Add	*848.10*	
		For 1" Mesh Fabric, Add	*1,418.94*	
		For 1-1/4" Mesh Fabric, Add	*913.34*	
		For 1-3/4" Mesh Fabric, Add	*567.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-283.79*	
32 31 13 13-0288	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,808.82	130.93
		For Gate With Single Barb Wire Arm, Add	*375.74*	
		For Gate With Double Barb Wire Arm, Add	*546.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-640.46*	
		For Aluminized Steel Gate And Post, Add	*1,639.57*	
		For Powder Coated Gate And Post, Add	*888.10*	
		For 1" Mesh Fabric, Add	*1,485.86*	
		For 1-1/4" Mesh Fabric, Add	*956.42*	
		For 1-3/4" Mesh Fabric, Add	*594.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-297.17*	
32 31 13 13-0289	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	4,221.76	145.43
		For Gate With Single Barb Wire Arm, Add	*416.36*	
		For Gate With Double Barb Wire Arm, Add	*605.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-709.70*	
		For Aluminized Steel Gate And Post, Add	*1,816.82*	
		For Powder Coated Gate And Post, Add	*984.11*	
		For 1" Mesh Fabric, Add	*1,646.50*	
		For 1-1/4" Mesh Fabric, Add	*1,059.81*	
		For 1-3/4" Mesh Fabric, Add	*658.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-329.30*	

32 31 13 13-0290 5' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0291	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	472.42	27.47
		For Gate With Single Barb Wire Arm, Add	*42.88*	
		For Gate With Double Barb Wire Arm, Add	*62.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-73.09*	
		For Aluminized Steel Gate And Post, Add	*187.10*	
		For Powder Coated Gate And Post, Add	*101.35*	
		For 1" Mesh Fabric, Add	*169.56*	
		For 1-1/4" Mesh Fabric, Add	*109.14*	
		For 1-3/4" Mesh Fabric, Add	*67.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0292	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	600.64	27.47
		For Gate With Single Barb Wire Arm, Add	*56.98*	
		For Gate With Double Barb Wire Arm, Add	*82.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.13*	
		For Aluminized Steel Gate And Post, Add	*248.64*	
		For Powder Coated Gate And Post, Add	*134.68*	
		For 1" Mesh Fabric, Add	*225.33*	
		For 1-1/4" Mesh Fabric, Add	*145.04*	
		For 1-3/4" Mesh Fabric, Add	*90.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.07*	
32 31 13 13-0293	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	703.26	29.23
		For Gate With Single Barb Wire Arm, Add	*67.70*	
		For Gate With Double Barb Wire Arm, Add	*98.47*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.40*	
		For Aluminized Steel Gate And Post, Add	*295.42*	
		For Powder Coated Gate And Post, Add	*160.02*	
		For 1" Mesh Fabric, Add	*267.73*	
		For 1-1/4" Mesh Fabric, Add	*172.33*	
		For 1-3/4" Mesh Fabric, Add	*107.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.55*	
32 31 13 13-0294	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	823.38	35.11
		For Gate With Single Barb Wire Arm, Add	*78.98*	
		For Gate With Double Barb Wire Arm, Add	*114.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-134.63*	
		For Aluminized Steel Gate And Post, Add	*344.65*	
		For Powder Coated Gate And Post, Add	*186.69*	
		For 1" Mesh Fabric, Add	*312.34*	
		For 1-1/4" Mesh Fabric, Add	*201.05*	
		For 1-3/4" Mesh Fabric, Add	*124.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-62.47*	
32 31 13 13-0295	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	933.25	40.90
		For Gate With Single Barb Wire Arm, Add	*89.14*	
		For Gate With Double Barb Wire Arm, Add	*129.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-151.94*	
		For Aluminized Steel Gate And Post, Add	*388.97*	
		For Powder Coated Gate And Post, Add	*210.69*	
		For 1" Mesh Fabric, Add	*352.50*	
		For 1-1/4" Mesh Fabric, Add	*226.90*	
		For 1-3/4" Mesh Fabric, Add	*141.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.50*	
32 31 13 13-0296	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,054.44	47.10
		For Gate With Single Barb Wire Arm, Add	*100.42*	
		For Gate With Double Barb Wire Arm, Add	*146.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-171.17*	
		For Aluminized Steel Gate And Post, Add	*438.21*	
		For Powder Coated Gate And Post, Add	*237.36*	
		For 1" Mesh Fabric, Add	*397.12*	
		For 1-1/4" Mesh Fabric, Add	*255.62*	
		For 1-3/4" Mesh Fabric, Add	*158.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-79.42*	
32 31 13 13-0297	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,169.42	52.98
		For Gate With Single Barb Wire Arm, Add	*111.14*	
		For Gate With Double Barb Wire Arm, Add	*161.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.44*	
		For Aluminized Steel Gate And Post, Add	*484.98*	
		For Powder Coated Gate And Post, Add	*262.70*	
		For 1" Mesh Fabric, Add	*439.51*	
		For 1-1/4" Mesh Fabric, Add	*282.90*	
		For 1-3/4" Mesh Fabric, Add	*175.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-87.90*	
32 31 13 13-0298	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,284.43	58.77
		For Gate With Single Barb Wire Arm, Add	*121.86*	
		For Gate With Double Barb Wire Arm, Add	*177.25*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-207.72*	
		For Aluminized Steel Gate And Post, Add	*531.75*	
		For Powder Coated Gate And Post, Add	*288.03*	
		For 1" Mesh Fabric, Add	*481.90*	
		For 1-1/4" Mesh Fabric, Add	*310.19*	
		For 1-3/4" Mesh Fabric, Add	*192.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.38*	
32 31 13 13-0299	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,740.32	58.98
		For Gate With Single Barb Wire Arm, Add	*171.96*	
		For Gate With Double Barb Wire Arm, Add	*250.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-293.11*	
		For Aluminized Steel Gate And Post, Add	*750.36*	
		For Powder Coated Gate And Post, Add	*406.45*	
		For 1" Mesh Fabric, Add	*680.02*	
		For 1-1/4" Mesh Fabric, Add	*437.71*	
		For 1-3/4" Mesh Fabric, Add	*272.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-136.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0300	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,067.82	63.52
		For Gate With Single Barb Wire Arm, Add	*206.49*	
		For Gate With Double Barb Wire Arm, Add	*300.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-351.96*	
		For Aluminized Steel Gate And Post, Add	*901.03*	
		For Powder Coated Gate And Post, Add	*488.06*	
		For 1" Mesh Fabric, Add	*816.56*	
		For 1-1/4" Mesh Fabric, Add	*525.60*	
		For 1-3/4" Mesh Fabric, Add	*326.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-163.31*	
32 31 13 13-0301	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,397.58	68.78
		For Gate With Single Barb Wire Arm, Add	*241.01*	
		For Gate With Double Barb Wire Arm, Add	*350.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-410.82*	
		For Aluminized Steel Gate And Post, Add	*1,051.69*	
		For Powder Coated Gate And Post, Add	*569.67*	
		For 1" Mesh Fabric, Add	*953.09*	
		For 1-1/4" Mesh Fabric, Add	*613.49*	
		For 1-3/4" Mesh Fabric, Add	*381.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-190.62*	
32 31 13 13-0302	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,766.93	87.21
		For Gate With Single Barb Wire Arm, Add	*275.54*	
		For Gate With Double Barb Wire Arm, Add	*400.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-469.67*	
		For Aluminized Steel Gate And Post, Add	*1,202.36*	
		For Powder Coated Gate And Post, Add	*651.28*	
		For 1" Mesh Fabric, Add	*1,089.64*	
		For 1-1/4" Mesh Fabric, Add	*701.37*	
		For 1-3/4" Mesh Fabric, Add	*435.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-217.93*	
32 31 13 13-0303	EA	18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,093.37	93.47
		For Gate With Single Barb Wire Arm, Add	*309.39*	
		For Gate With Double Barb Wire Arm, Add	*450.02*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-527.37*	
		For Aluminized Steel Gate And Post, Add	*1,350.06*	
		For Powder Coated Gate And Post, Add	*731.28*	
		For 1" Mesh Fabric, Add	*1,223.49*	
		For 1-1/4" Mesh Fabric, Add	*787.54*	
		For 1-3/4" Mesh Fabric, Add	*489.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-244.70*	
32 31 13 13-0304	EA	20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,435.00	100.71
		For Gate With Single Barb Wire Arm, Add	*344.59*	
		For Gate With Double Barb Wire Arm, Add	*501.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-587.38*	
		For Aluminized Steel Gate And Post, Add	*1,503.68*	
		For Powder Coated Gate And Post, Add	*814.49*	
		For 1" Mesh Fabric, Add	*1,362.71*	
		For 1-1/4" Mesh Fabric, Add	*877.15*	
		For 1-3/4" Mesh Fabric, Add	*545.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-272.54*	
32 31 13 13-0305	EA	22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,774.08	109.06
		For Gate With Single Barb Wire Arm, Add	*379.12*	
		For Gate With Double Barb Wire Arm, Add	*551.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-646.23*	
		For Aluminized Steel Gate And Post, Add	*1,654.34*	
		For Powder Coated Gate And Post, Add	*896.10*	
		For 1" Mesh Fabric, Add	*1,499.25*	
		For 1-1/4" Mesh Fabric, Add	*965.03*	
		For 1-3/4" Mesh Fabric, Add	*599.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.85*	
32 31 13 13-0306	EA	24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,111.58	119.01
		For Gate With Single Barb Wire Arm, Add	*412.97*	
		For Gate With Double Barb Wire Arm, Add	*600.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-703.93*	
		For Aluminized Steel Gate And Post, Add	*1,802.05*	
		For Powder Coated Gate And Post, Add	*976.11*	
		For 1" Mesh Fabric, Add	*1,633.11*	
		For 1-1/4" Mesh Fabric, Add	*1,051.20*	
		For 1-3/4" Mesh Fabric, Add	*653.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.62*	
32 31 13 13-0307	EA	26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,467.36	130.93
		For Gate With Single Barb Wire Arm, Add	*448.18*	
		For Gate With Double Barb Wire Arm, Add	*651.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-763.94*	
		For Aluminized Steel Gate And Post, Add	*1,955.67*	
		For Powder Coated Gate And Post, Add	*1,059.32*	
		For 1" Mesh Fabric, Add	*1,772.33*	
		For 1-1/4" Mesh Fabric, Add	*1,140.81*	
		For 1-3/4" Mesh Fabric, Add	*708.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-354.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0308	EA	28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,821.03	145.43
		For Gate With Single Barb Wire Arm, Add	*482.28*	
		For Gate With Double Barb Wire Arm, Add	*701.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-822.06*	
		For Aluminized Steel Gate And Post, Add	*2,104.47*	
		For Powder Coated Gate And Post, Add	*1,139.92*	
		For 1" Mesh Fabric, Add	*1,907.18*	
		For 1-1/4" Mesh Fabric, Add	*1,227.61*	
		For 1-3/4" Mesh Fabric, Add	*762.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-381.44*	
32 31 13 13-0309	EA	30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	5,181.07	163.60
		For Gate With Single Barb Wire Arm, Add	*515.87*	
		For Gate With Double Barb Wire Arm, Add	*750.36*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-879.33*	
		For Aluminized Steel Gate And Post, Add	*2,251.09*	
		For Powder Coated Gate And Post, Add	*1,219.34*	
		For 1" Mesh Fabric, Add	*2,040.05*	
		For 1-1/4" Mesh Fabric, Add	*1,313.14*	
		For 1-3/4" Mesh Fabric, Add	*816.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-408.01*	
32 31 13 13-0310		**6' Fence Height** *(32 31 13 13-0269)*		
32 31 13 13-0311	EA	3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	506.53	29.44
		For Gate With Single Barb Wire Arm, Add	*45.98*	
		For Gate With Double Barb Wire Arm, Add	*66.88*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-78.38*	
		For Aluminized Steel Gate And Post, Add	*200.64*	
		For Powder Coated Gate And Post, Add	*108.68*	
		For 1" Mesh Fabric, Add	*181.83*	
		For 1-1/4" Mesh Fabric, Add	*117.04*	
		For 1-3/4" Mesh Fabric, Add	*72.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-36.37*	
32 31 13 13-0312	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	645.00	29.44
		For Gate With Single Barb Wire Arm, Add	*61.21*	
		For Gate With Double Barb Wire Arm, Add	*89.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-104.34*	
		For Aluminized Steel Gate And Post, Add	*267.11*	
		For Powder Coated Gate And Post, Add	*144.68*	
		For 1" Mesh Fabric, Add	*242.06*	
		For 1-1/4" Mesh Fabric, Add	*155.81*	
		For 1-3/4" Mesh Fabric, Add	*96.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-48.41*	
32 31 13 13-0313	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	756.37	31.30
		For Gate With Single Barb Wire Arm, Add	*72.86*	
		For Gate With Double Barb Wire Arm, Add	*105.98*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-124.20*	
		For Aluminized Steel Gate And Post, Add	*317.94*	
		For Powder Coated Gate And Post, Add	*172.22*	
		For 1" Mesh Fabric, Add	*288.14*	
		For 1-1/4" Mesh Fabric, Add	*185.47*	
		For 1-3/4" Mesh Fabric, Add	*115.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.63*	
32 31 13 13-0314	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	877.80	37.80
		For Gate With Single Barb Wire Arm, Add	*84.06*	
		For Gate With Double Barb Wire Arm, Add	*122.27*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.29*	
		For Aluminized Steel Gate And Post, Add	*366.81*	
		For Powder Coated Gate And Post, Add	*198.69*	
		For 1" Mesh Fabric, Add	*332.42*	
		For 1-1/4" Mesh Fabric, Add	*213.97*	
		For 1-3/4" Mesh Fabric, Add	*132.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.48*	
32 31 13 13-0315	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,005.12	44.41
		For Gate With Single Barb Wire Arm, Add	*95.91*	
		For Gate With Double Barb Wire Arm, Add	*139.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.48*	
		For Aluminized Steel Gate And Post, Add	*418.51*	
		For Powder Coated Gate And Post, Add	*226.69*	
		For 1" Mesh Fabric, Add	*379.28*	
		For 1-1/4" Mesh Fabric, Add	*244.13*	
		For 1-3/4" Mesh Fabric, Add	*151.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.86*	
32 31 13 13-0316	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,126.29	50.61
		For Gate With Single Barb Wire Arm, Add	*107.19*	
		For Gate With Double Barb Wire Arm, Add	*155.92*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.71*	
		For Aluminized Steel Gate And Post, Add	*467.75*	
		For Powder Coated Gate And Post, Add	*253.36*	
		For 1" Mesh Fabric, Add	*423.89*	
		For 1-1/4" Mesh Fabric, Add	*272.85*	
		For 1-3/4" Mesh Fabric, Add	*169.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0317	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,248.50	57.12
		For Gate With Single Barb Wire Arm, Add	*118.48*	
		For Gate With Double Barb Wire Arm, Add	*172.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-201.95*	
		For Aluminized Steel Gate And Post, Add	*516.98*	
		For Powder Coated Gate And Post, Add	*280.03*	
		For 1" Mesh Fabric, Add	*468.52*	
		For 1-1/4" Mesh Fabric, Add	*301.57*	
		For 1-3/4" Mesh Fabric, Add	*187.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-93.70*	
32 31 13 13-0318	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,324.52	63.62
		For Gate With Single Barb Wire Arm, Add	*124.68*	
		For Gate With Double Barb Wire Arm, Add	*181.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-212.52*	
		For Aluminized Steel Gate And Post, Add	*544.06*	
		For Powder Coated Gate And Post, Add	*294.70*	
		For 1" Mesh Fabric, Add	*493.06*	
		For 1-1/4" Mesh Fabric, Add	*317.37*	
		For 1-3/4" Mesh Fabric, Add	*197.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-98.61*	
32 31 13 13-0319	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,858.57	63.52
		For Gate With Single Barb Wire Arm, Add	*183.47*	
		For Gate With Double Barb Wire Arm, Add	*266.86*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-312.73*	
		For Aluminized Steel Gate And Post, Add	*800.59*	
		For Powder Coated Gate And Post, Add	*433.65*	
		For 1" Mesh Fabric, Add	*725.53*	
		For 1-1/4" Mesh Fabric, Add	*467.01*	
		For 1-3/4" Mesh Fabric, Add	*290.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-145.11*	
32 31 13 13-0320	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,206.79	68.78
		For Gate With Single Barb Wire Arm, Add	*220.03*	
		For Gate With Double Barb Wire Arm, Add	*320.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-375.04*	
		For Aluminized Steel Gate And Post, Add	*960.11*	
		For Powder Coated Gate And Post, Add	*520.06*	
		For 1" Mesh Fabric, Add	*870.10*	
		For 1-1/4" Mesh Fabric, Add	*560.06*	
		For 1-3/4" Mesh Fabric, Add	*348.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-174.02*	
32 31 13 13-0321	EA	14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,619.47	93.47
		For Gate With Single Barb Wire Arm, Add	*257.26*	
		For Gate With Double Barb Wire Arm, Add	*374.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-438.51*	
		For Aluminized Steel Gate And Post, Add	*1,122.59*	
		For Powder Coated Gate And Post, Add	*608.07*	
		For 1" Mesh Fabric, Add	*1,017.35*	
		For 1-1/4" Mesh Fabric, Add	*654.84*	
		For 1-3/4" Mesh Fabric, Add	*406.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-203.47*	
32 31 13 13-0322	EA	16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,973.41	100.71
		For Gate With Single Barb Wire Arm, Add	*293.82*	
		For Gate With Double Barb Wire Arm, Add	*427.37*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-500.83*	
		For Aluminized Steel Gate And Post, Add	*1,282.12*	
		For Powder Coated Gate And Post, Add	*694.48*	
		For 1" Mesh Fabric, Add	*1,161.92*	
		For 1-1/4" Mesh Fabric, Add	*747.90*	
		For 1-3/4" Mesh Fabric, Add	*464.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-232.38*	
32 31 13 13-0323	EA	18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,337.11	109.06
		For Gate With Single Barb Wire Arm, Add	*331.05*	
		For Gate With Double Barb Wire Arm, Add	*481.53*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-564.30*	
		For Aluminized Steel Gate And Post, Add	*1,444.60*	
		For Powder Coated Gate And Post, Add	*782.49*	
		For 1" Mesh Fabric, Add	*1,309.17*	
		For 1-1/4" Mesh Fabric, Add	*842.68*	
		For 1-3/4" Mesh Fabric, Add	*523.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-261.83*	
32 31 13 13-0324	EA	20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,705.38	119.01
		For Gate With Single Barb Wire Arm, Add	*368.29*	
		For Gate With Double Barb Wire Arm, Add	*535.69*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-627.77*	
		For Aluminized Steel Gate And Post, Add	*1,607.08*	
		For Powder Coated Gate And Post, Add	*870.50*	
		For 1" Mesh Fabric, Add	*1,456.41*	
		For 1-1/4" Mesh Fabric, Add	*937.46*	
		For 1-3/4" Mesh Fabric, Add	*582.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-291.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0325	EA	22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,073.47	130.93
		For Gate With Single Barb Wire Arm, Add	*404.85*	
		For Gate With Double Barb Wire Arm, Add	*588.87*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-690.08*	
		For Aluminized Steel Gate And Post, Add	*1,766.61*	
		For Powder Coated Gate And Post, Add	*956.91*	
		For 1" Mesh Fabric, Add	*1,600.99*	
		For 1-1/4" Mesh Fabric, Add	*1,030.52*	
		For 1-3/4" Mesh Fabric, Add	*640.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-320.20*	
32 31 13 13-0326	EA	24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,452.56	145.43
		For Gate With Single Barb Wire Arm, Add	*441.74*	
		For Gate With Double Barb Wire Arm, Add	*642.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-752.97*	
		For Aluminized Steel Gate And Post, Add	*1,927.61*	
		For Powder Coated Gate And Post, Add	*1,044.12*	
		For 1" Mesh Fabric, Add	*1,746.89*	
		For 1-1/4" Mesh Fabric, Add	*1,124.44*	
		For 1-3/4" Mesh Fabric, Add	*698.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-349.38*	
32 31 13 13-0327	EA	26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,838.88	163.60
		For Gate With Single Barb Wire Arm, Add	*478.23*	
		For Gate With Double Barb Wire Arm, Add	*695.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-815.17*	
		For Aluminized Steel Gate And Post, Add	*2,086.84*	
		For Powder Coated Gate And Post, Add	*1,130.37*	
		For 1" Mesh Fabric, Add	*1,891.20*	
		For 1-1/4" Mesh Fabric, Add	*1,217.32*	
		For 1-3/4" Mesh Fabric, Add	*756.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-378.24*	
32 31 13 13-0328	EA	28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,245.10	186.94
		For Gate With Single Barb Wire Arm, Add	*515.20*	
		For Gate With Double Barb Wire Arm, Add	*749.38*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-878.18*	
		For Aluminized Steel Gate And Post, Add	*2,248.14*	
		For Powder Coated Gate And Post, Add	*1,217.74*	
		For 1" Mesh Fabric, Add	*2,037.37*	
		For 1-1/4" Mesh Fabric, Add	*1,311.41*	
		For 1-3/4" Mesh Fabric, Add	*814.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-407.47*	
32 31 13 13-0329	EA	30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,675.33	218.14
		For Gate With Single Barb Wire Arm, Add	*552.23*	
		For Gate With Double Barb Wire Arm, Add	*803.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-941.30*	
		For Aluminized Steel Gate And Post, Add	*2,409.73*	
		For Powder Coated Gate And Post, Add	*1,305.27*	
		For 1" Mesh Fabric, Add	*2,183.82*	
		For 1-1/4" Mesh Fabric, Add	*1,405.68*	
		For 1-3/4" Mesh Fabric, Add	*873.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-436.76*	

32 31 13 13-0330 7' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0331	EA	3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	531.28	31.71
		For Gate With Single Barb Wire Arm, Add	*47.95*	
		For Gate With Double Barb Wire Arm, Add	*69.75*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.74*	
		For Aluminized Steel Gate And Post, Add	*209.26*	
		For Powder Coated Gate And Post, Add	*113.35*	
		For 1" Mesh Fabric, Add	*189.64*	
		For 1-1/4" Mesh Fabric, Add	*122.07*	
		For 1-3/4" Mesh Fabric, Add	*75.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.93*	
32 31 13 13-0332	EA	4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	674.88	31.71
		For Gate With Single Barb Wire Arm, Add	*63.75*	
		For Gate With Double Barb Wire Arm, Add	*92.73*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.67*	
		For Aluminized Steel Gate And Post, Add	*278.18*	
		For Powder Coated Gate And Post, Add	*150.68*	
		For 1" Mesh Fabric, Add	*252.10*	
		For 1-1/4" Mesh Fabric, Add	*162.27*	
		For 1-3/4" Mesh Fabric, Add	*100.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.42*	
32 31 13 13-0333	EA	5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	796.06	33.36
		For Gate With Single Barb Wire Arm, Add	*76.55*	
		For Gate With Double Barb Wire Arm, Add	*111.34*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.48*	
		For Aluminized Steel Gate And Post, Add	*334.02*	
		For Powder Coated Gate And Post, Add	*180.93*	
		For 1" Mesh Fabric, Add	*302.71*	
		For 1-1/4" Mesh Fabric, Add	*194.85*	
		For 1-3/4" Mesh Fabric, Add	*121.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0334	EA	6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	975.71	40.59
		For Gate With Single Barb Wire Arm, Add	*93.92*	
		For Gate With Double Barb Wire Arm, Add	*136.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.10*	
		For Aluminized Steel Gate And Post, Add	*409.84*	
		For Powder Coated Gate And Post, Add	*222.00*	
		For 1" Mesh Fabric, Add	*371.42*	
		For 1-1/4" Mesh Fabric, Add	*239.08*	
		For 1-3/4" Mesh Fabric, Add	*148.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.28*	
32 31 13 13-0335	EA	7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,154.38	47.50
		For Gate With Single Barb Wire Arm, Add	*111.30*	
		For Gate With Double Barb Wire Arm, Add	*161.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-189.72*	
		For Aluminized Steel Gate And Post, Add	*485.69*	
		For Powder Coated Gate And Post, Add	*263.08*	
		For 1" Mesh Fabric, Add	*440.16*	
		For 1-1/4" Mesh Fabric, Add	*283.32*	
		For 1-3/4" Mesh Fabric, Add	*176.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-88.03*	
32 31 13 13-0336	EA	8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,334.05	54.63
		For Gate With Single Barb Wire Arm, Add	*128.68*	
		For Gate With Double Barb Wire Arm, Add	*187.17*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-219.34*	
		For Aluminized Steel Gate And Post, Add	*561.52*	
		For Powder Coated Gate And Post, Add	*304.16*	
		For 1" Mesh Fabric, Add	*508.88*	
		For 1-1/4" Mesh Fabric, Add	*327.55*	
		For 1-3/4" Mesh Fabric, Add	*203.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-101.78*	
32 31 13 13-0337	EA	9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,512.72	61.55
		For Gate With Single Barb Wire Arm, Add	*146.06*	
		For Gate With Double Barb Wire Arm, Add	*212.46*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.97*	
		For Aluminized Steel Gate And Post, Add	*637.37*	
		For Powder Coated Gate And Post, Add	*345.24*	
		For 1" Mesh Fabric, Add	*577.61*	
		For 1-1/4" Mesh Fabric, Add	*371.80*	
		For 1-3/4" Mesh Fabric, Add	*231.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.52*	
32 31 13 13-0338	EA	10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire	1,663.91	68.78
		For Gate With Single Barb Wire Arm, Add	*160.31*	
		For Gate With Double Barb Wire Arm, Add	*233.18*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-273.25*	
		For Aluminized Steel Gate And Post, Add	*699.53*	
		For Powder Coated Gate And Post, Add	*378.91*	
		For 1" Mesh Fabric, Add	*633.95*	
		For 1-1/4" Mesh Fabric, Add	*408.06*	
		For 1-3/4" Mesh Fabric, Add	*253.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-126.79*	
32 31 13 13-0339	EA	10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,119.51	68.78
		For Gate With Single Barb Wire Arm, Add	*210.42*	
		For Gate With Double Barb Wire Arm, Add	*306.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-358.68*	
		For Aluminized Steel Gate And Post, Add	*918.22*	
		For Powder Coated Gate And Post, Add	*497.37*	
		For 1" Mesh Fabric, Add	*832.13*	
		For 1-1/4" Mesh Fabric, Add	*535.63*	
		For 1-3/4" Mesh Fabric, Add	*332.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-166.43*	
32 31 13 13-0340	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,407.79	93.47
		For Gate With Single Barb Wire Arm, Add	*233.98*	
		For Gate With Double Barb Wire Arm, Add	*340.33*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-398.82*	
		For Aluminized Steel Gate And Post, Add	*1,020.98*	
		For Powder Coated Gate And Post, Add	*553.03*	
		For 1" Mesh Fabric, Add	*925.27*	
		For 1-1/4" Mesh Fabric, Add	*595.57*	
		For 1-3/4" Mesh Fabric, Add	*370.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-185.05*	
32 31 13 13-0341	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,783.89	100.71
		For Gate With Single Barb Wire Arm, Add	*272.97*	
		For Gate With Double Barb Wire Arm, Add	*397.05*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-465.29*	
		For Aluminized Steel Gate And Post, Add	*1,191.15*	
		For Powder Coated Gate And Post, Add	*645.21*	
		For 1" Mesh Fabric, Add	*1,079.48*	
		For 1-1/4" Mesh Fabric, Add	*694.84*	
		For 1-3/4" Mesh Fabric, Add	*431.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-215.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0342	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,134.01	109.06
		For Gate With Single Barb Wire Arm, Add	*308.71*	
		For Gate With Double Barb Wire Arm, Add	*449.04*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-526.22*	
		For Aluminized Steel Gate And Post, Add	*1,347.11*	
		For Powder Coated Gate And Post, Add	*729.68*	
		For 1" Mesh Fabric, Add	*1,220.82*	
		For 1-1/4" Mesh Fabric, Add	*785.81*	
		For 1-3/4" Mesh Fabric, Add	*488.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-244.16*	
32 31 13 13-0343	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,520.74	119.01
		For Gate With Single Barb Wire Arm, Add	*347.98*	
		For Gate With Double Barb Wire Arm, Add	*506.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-593.15*	
		For Aluminized Steel Gate And Post, Add	*1,518.45*	
		For Powder Coated Gate And Post, Add	*822.49*	
		For 1" Mesh Fabric, Add	*1,376.10*	
		For 1-1/4" Mesh Fabric, Add	*885.76*	
		For 1-3/4" Mesh Fabric, Add	*550.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-275.22*	
32 31 13 13-0344	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,907.29	130.93
		For Gate With Single Barb Wire Arm, Add	*386.57*	
		For Gate With Double Barb Wire Arm, Add	*562.28*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-658.92*	
		For Aluminized Steel Gate And Post, Add	*1,686.84*	
		For Powder Coated Gate And Post, Add	*913.71*	
		For 1" Mesh Fabric, Add	*1,528.70*	
		For 1-1/4" Mesh Fabric, Add	*983.99*	
		For 1-3/4" Mesh Fabric, Add	*611.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-305.74*	
32 31 13 13-0345	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,301.77	145.43
		For Gate With Single Barb Wire Arm, Add	*425.16*	
		For Gate With Double Barb Wire Arm, Add	*618.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-724.70*	
		For Aluminized Steel Gate And Post, Add	*1,855.23*	
		For Powder Coated Gate And Post, Add	*1,004.92*	
		For 1" Mesh Fabric, Add	*1,681.30*	
		For 1-1/4" Mesh Fabric, Add	*1,082.22*	
		For 1-3/4" Mesh Fabric, Add	*672.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.26*	
32 31 13 13-0346	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,707.17	163.60
		For Gate With Single Barb Wire Arm, Add	*463.75*	
		For Gate With Double Barb Wire Arm, Add	*674.54*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-790.48*	
		For Aluminized Steel Gate And Post, Add	*2,023.62*	
		For Powder Coated Gate And Post, Add	*1,096.13*	
		For 1" Mesh Fabric, Add	*1,833.90*	
		For 1-1/4" Mesh Fabric, Add	*1,180.44*	
		For 1-3/4" Mesh Fabric, Add	*733.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-366.78*	
32 31 13 13-0347	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,128.16	186.94
		For Gate With Single Barb Wire Arm, Add	*502.33*	
		For Gate With Double Barb Wire Arm, Add	*730.67*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-856.25*	
		For Aluminized Steel Gate And Post, Add	*2,192.01*	
		For Powder Coated Gate And Post, Add	*1,187.34*	
		For 1" Mesh Fabric, Add	*1,986.51*	
		For 1-1/4" Mesh Fabric, Add	*1,278.67*	
		For 1-3/4" Mesh Fabric, Add	*794.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.30*	
32 31 13 13-0348	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,572.55	218.14
		For Gate With Single Barb Wire Arm, Add	*540.92*	
		For Gate With Double Barb Wire Arm, Add	*786.80*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-922.03*	
		For Aluminized Steel Gate And Post, Add	*2,360.40*	
		For Powder Coated Gate And Post, Add	*1,278.55*	
		For 1" Mesh Fabric, Add	*2,139.11*	
		For 1-1/4" Mesh Fabric, Add	*1,376.90*	
		For 1-3/4" Mesh Fabric, Add	*855.64*	
		For 2-1/8" Mesh Fabric, Deduct	*-427.82*	
32 31 13 13-0349	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	6,054.37	261.74
		For Gate With Single Barb Wire Arm, Add	*579.51*	
		For Gate With Double Barb Wire Arm, Add	*842.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-987.81*	
		For Aluminized Steel Gate And Post, Add	*2,528.78*	
		For Powder Coated Gate And Post, Add	*1,369.76*	
		For 1" Mesh Fabric, Add	*2,291.71*	
		For 1-1/4" Mesh Fabric, Add	*1,475.12*	
		For 1-3/4" Mesh Fabric, Add	*916.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-458.34*	

32 31 13 13-0350 8' Fence Height *(32 31 13 13-0269)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0351	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	623.93	34.40
		For Gate With Single Barb Wire Arm, Add	*57.27*	
		For Gate With Double Barb Wire Arm, Add	*83.30*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-97.62*	
		For Aluminized Steel Gate And Post, Add	*249.91*	
		For Powder Coated Gate And Post, Add	*135.37*	
		For 1" Mesh Fabric, Add	*226.48*	
		For 1-1/4" Mesh Fabric, Add	*145.78*	
		For 1-3/4" Mesh Fabric, Add	*90.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.30*	
32 31 13 13-0352	EA	4' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	797.48	34.40
		For Gate With Single Barb Wire Arm, Add	*76.36*	
		For Gate With Double Barb Wire Arm, Add	*111.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-130.16*	
		For Aluminized Steel Gate And Post, Add	*333.22*	
		For Powder Coated Gate And Post, Add	*180.49*	
		For 1" Mesh Fabric, Add	*301.98*	
		For 1-1/4" Mesh Fabric, Add	*194.38*	
		For 1-3/4" Mesh Fabric, Add	*120.79*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.40*	
32 31 13 13-0353	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	931.61	38.31
		For Gate With Single Barb Wire Arm, Add	*89.81*	
		For Gate With Double Barb Wire Arm, Add	*130.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.08*	
		For Aluminized Steel Gate And Post, Add	*391.90*	
		For Powder Coated Gate And Post, Add	*212.28*	
		For 1" Mesh Fabric, Add	*355.16*	
		For 1-1/4" Mesh Fabric, Add	*228.61*	
		For 1-3/4" Mesh Fabric, Add	*142.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.03*	
32 31 13 13-0354	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,068.85	43.37
		For Gate With Single Barb Wire Arm, Add	*103.26*	
		For Gate With Double Barb Wire Arm, Add	*150.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-176.01*	
		For Aluminized Steel Gate And Post, Add	*450.59*	
		For Powder Coated Gate And Post, Add	*244.07*	
		For 1" Mesh Fabric, Add	*408.34*	
		For 1-1/4" Mesh Fabric, Add	*262.84*	
		For 1-3/4" Mesh Fabric, Add	*163.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.67*	
32 31 13 13-0355	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,217.98	52.26
		For Gate With Single Barb Wire Arm, Add	*116.71*	
		For Gate With Double Barb Wire Arm, Add	*169.76*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-198.94*	
		For Aluminized Steel Gate And Post, Add	*509.28*	
		For Powder Coated Gate And Post, Add	*275.86*	
		For 1" Mesh Fabric, Add	*461.53*	
		For 1-1/4" Mesh Fabric, Add	*297.08*	
		For 1-3/4" Mesh Fabric, Add	*184.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.31*	
32 31 13 13-0356	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,366.08	60.84
		For Gate With Single Barb Wire Arm, Add	*130.16*	
		For Gate With Double Barb Wire Arm, Add	*189.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-221.86*	
		For Aluminized Steel Gate And Post, Add	*567.97*	
		For Powder Coated Gate And Post, Add	*307.65*	
		For 1" Mesh Fabric, Add	*514.72*	
		For 1-1/4" Mesh Fabric, Add	*331.32*	
		For 1-3/4" Mesh Fabric, Add	*205.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-102.94*	
32 31 13 13-0357	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,515.20	69.81
		For Gate With Single Barb Wire Arm, Add	*143.61*	
		For Gate With Double Barb Wire Arm, Add	*208.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-244.79*	
		For Aluminized Steel Gate And Post, Add	*626.66*	
		For Powder Coated Gate And Post, Add	*339.44*	
		For 1" Mesh Fabric, Add	*567.91*	
		For 1-1/4" Mesh Fabric, Add	*365.55*	
		For 1-3/4" Mesh Fabric, Add	*227.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-113.58*	
32 31 13 13-0358	EA	10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,664.31	78.80
		For Gate With Single Barb Wire Arm, Add	*157.06*	
		For Gate With Double Barb Wire Arm, Add	*228.45*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-267.71*	
		For Aluminized Steel Gate And Post, Add	*685.35*	
		For Powder Coated Gate And Post, Add	*371.23*	
		For 1" Mesh Fabric, Add	*621.10*	
		For 1-1/4" Mesh Fabric, Add	*399.79*	
		For 1-3/4" Mesh Fabric, Add	*248.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-124.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0359	EA	10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,422.48	93.47
		For Gate With Single Barb Wire Arm, Add	*235.59*	
		For Gate With Double Barb Wire Arm, Add	*342.68*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-401.58*	
		For Aluminized Steel Gate And Post, Add	*1,028.04*	
		For Powder Coated Gate And Post, Add	*556.85*	
		For 1" Mesh Fabric, Add	*931.66*	
		For 1-1/4" Mesh Fabric, Add	*599.69*	
		For 1-3/4" Mesh Fabric, Add	*372.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-186.33*	
32 31 13 13-0360	EA	12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	2,856.47	100.71
		For Gate With Single Barb Wire Arm, Add	*280.96*	
		For Gate With Double Barb Wire Arm, Add	*408.66*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-478.90*	
		For Aluminized Steel Gate And Post, Add	*1,225.99*	
		For Powder Coated Gate And Post, Add	*664.08*	
		For 1" Mesh Fabric, Add	*1,111.05*	
		For 1-1/4" Mesh Fabric, Add	*715.16*	
		For 1-3/4" Mesh Fabric, Add	*444.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-222.21*	
32 31 13 13-0361	EA	14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,300.18	109.06
		For Gate With Single Barb Wire Arm, Add	*326.99*	
		For Gate With Double Barb Wire Arm, Add	*475.62*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-557.37*	
		For Aluminized Steel Gate And Post, Add	*1,426.87*	
		For Powder Coated Gate And Post, Add	*772.89*	
		For 1" Mesh Fabric, Add	*1,293.10*	
		For 1-1/4" Mesh Fabric, Add	*832.34*	
		For 1-3/4" Mesh Fabric, Add	*517.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-258.62*	
32 31 13 13-0362	EA	16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	3,760.77	119.01
		For Gate With Single Barb Wire Arm, Add	*374.38*	
		For Gate With Double Barb Wire Arm, Add	*544.56*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-638.15*	
		For Aluminized Steel Gate And Post, Add	*1,633.67*	
		For Powder Coated Gate And Post, Add	*884.90*	
		For 1" Mesh Fabric, Add	*1,480.51*	
		For 1-1/4" Mesh Fabric, Add	*952.97*	
		For 1-3/4" Mesh Fabric, Add	*592.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-296.10*	
32 31 13 13-0363	EA	18 Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,227.33	130.93
		For Gate With Single Barb Wire Arm, Add	*421.77*	
		For Gate With Double Barb Wire Arm, Add	*613.49*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-718.93*	
		For Aluminized Steel Gate And Post, Add	*1,840.46*	
		For Powder Coated Gate And Post, Add	*996.92*	
		For 1" Mesh Fabric, Add	*1,667.92*	
		For 1-1/4" Mesh Fabric, Add	*1,073.60*	
		For 1-3/4" Mesh Fabric, Add	*667.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-333.58*	
32 31 13 13-0364	EA	20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	4,695.67	145.43
		For Gate With Single Barb Wire Arm, Add	*468.49*	
		For Gate With Double Barb Wire Arm, Add	*681.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-798.56*	
		For Aluminized Steel Gate And Post, Add	*2,044.30*	
		For Powder Coated Gate And Post, Add	*1,107.33*	
		For 1" Mesh Fabric, Add	*1,852.65*	
		For 1-1/4" Mesh Fabric, Add	*1,192.51*	
		For 1-3/4" Mesh Fabric, Add	*741.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-370.53*	
32 31 13 13-0365	EA	22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,168.77	163.60
		For Gate With Single Barb Wire Arm, Add	*514.52*	
		For Gate With Double Barb Wire Arm, Add	*748.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-877.03*	
		For Aluminized Steel Gate And Post, Add	*2,245.19*	
		For Powder Coated Gate And Post, Add	*1,216.14*	
		For 1" Mesh Fabric, Add	*2,034.70*	
		For 1-1/4" Mesh Fabric, Add	*1,309.69*	
		For 1-3/4" Mesh Fabric, Add	*813.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-406.94*	
32 31 13 13-0366	EA	24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	5,669.76	186.94
		For Gate With Single Barb Wire Arm, Add	*561.91*	
		For Gate With Double Barb Wire Arm, Add	*817.32*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-957.80*	
		For Aluminized Steel Gate And Post, Add	*2,451.97*	
		For Powder Coated Gate And Post, Add	*1,328.15*	
		For 1" Mesh Fabric, Add	*2,222.10*	
		For 1-1/4" Mesh Fabric, Add	*1,430.32*	
		For 1-3/4" Mesh Fabric, Add	*888.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-444.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0367	EA	26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,194.16	218.14
		For Gate With Single Barb Wire Arm, Add	*609.30*	
		For Gate With Double Barb Wire Arm, Add	*886.26*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,038.58*	
		For Aluminized Steel Gate And Post, Add	*2,658.77*	
		For Powder Coated Gate And Post, Add	*1,440.17*	
		For 1" Mesh Fabric, Add	*2,409.51*	
		For 1-1/4" Mesh Fabric, Add	*1,550.95*	
		For 1-3/4" Mesh Fabric, Add	*963.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-481.90*	
32 31 13 13-0368	EA	28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	6,749.84	261.74
		For Gate With Single Barb Wire Arm, Add	*656.01*	
		For Gate With Double Barb Wire Arm, Add	*954.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,118.21*	
		For Aluminized Steel Gate And Post, Add	*2,862.61*	
		For Powder Coated Gate And Post, Add	*1,550.58*	
		For 1" Mesh Fabric, Add	*2,594.24*	
		For 1-1/4" Mesh Fabric, Add	*1,669.86*	
		For 1-3/4" Mesh Fabric, Add	*1,037.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-518.85*	
32 31 13 13-0369	EA	30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire	7,371.02	327.20
		For Gate With Single Barb Wire Arm, Add	*702.73*	
		For Gate With Double Barb Wire Arm, Add	*1,022.15*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,197.83*	
		For Aluminized Steel Gate And Post, Add	*3,066.45*	
		For Powder Coated Gate And Post, Add	*1,660.99*	
		For 1" Mesh Fabric, Add	*2,778.97*	
		For 1-1/4" Mesh Fabric, Add	*1,788.76*	
		For 1-3/4" Mesh Fabric, Add	*1,111.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-555.79*	
32 31 13 13-0370		**10' Fence Height** *(32 31 13 13-0269)*		
32 31 13 13-0371	EA	3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	788.02	38.21
		For Gate With Single Barb Wire Arm, Add	*74.06*	
		For Gate With Double Barb Wire Arm, Add	*107.72*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.24*	
		For Aluminized Steel Gate And Post, Add	*323.17*	
		For Powder Coated Gate And Post, Add	*175.05*	
		For 1" Mesh Fabric, Add	*292.87*	
		For 1-1/4" Mesh Fabric, Add	*188.52*	
		For 1-3/4" Mesh Fabric, Add	*117.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.57*	
32 31 13 13-0372	EA	4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,012.44	38.21
		For Gate With Single Barb Wire Arm, Add	*98.75*	
		For Gate With Double Barb Wire Arm, Add	*143.63*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-168.32*	
		For Aluminized Steel Gate And Post, Add	*430.89*	
		For Powder Coated Gate And Post, Add	*233.40*	
		For 1" Mesh Fabric, Add	*390.50*	
		For 1-1/4" Mesh Fabric, Add	*251.35*	
		For 1-3/4" Mesh Fabric, Add	*156.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-78.10*	
32 31 13 13-0373	EA	5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,175.61	39.87
		For Gate With Single Barb Wire Arm, Add	*116.14*	
		For Gate With Double Barb Wire Arm, Add	*168.93*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.96*	
		For Aluminized Steel Gate And Post, Add	*506.79*	
		For Powder Coated Gate And Post, Add	*274.51*	
		For 1" Mesh Fabric, Add	*459.28*	
		For 1-1/4" Mesh Fabric, Add	*295.63*	
		For 1-3/4" Mesh Fabric, Add	*183.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.86*	
32 31 13 13-0374	EA	6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,362.66	49.58
		For Gate With Single Barb Wire Arm, Add	*133.53*	
		For Gate With Double Barb Wire Arm, Add	*194.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-227.61*	
		For Aluminized Steel Gate And Post, Add	*582.69*	
		For Powder Coated Gate And Post, Add	*315.62*	
		For 1" Mesh Fabric, Add	*528.06*	
		For 1-1/4" Mesh Fabric, Add	*339.90*	
		For 1-3/4" Mesh Fabric, Add	*211.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.61*	
32 31 13 13-0375	EA	7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,549.07	58.77
		For Gate With Single Barb Wire Arm, Add	*150.92*	
		For Gate With Double Barb Wire Arm, Add	*219.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-257.25*	
		For Aluminized Steel Gate And Post, Add	*658.56*	
		For Powder Coated Gate And Post, Add	*356.72*	
		For 1" Mesh Fabric, Add	*596.82*	
		For 1-1/4" Mesh Fabric, Add	*384.16*	
		For 1-3/4" Mesh Fabric, Add	*238.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-119.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0376	EA	8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,735.65	68.48
		For Gate With Single Barb Wire Arm, Add	*168.31*	
		For Gate With Double Barb Wire Arm, Add	*244.82*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-286.90*	
		For Aluminized Steel Gate And Post, Add	*734.46*	
		For Powder Coated Gate And Post, Add	*397.83*	
		For 1" Mesh Fabric, Add	*665.61*	
		For 1-1/4" Mesh Fabric, Add	*428.44*	
		For 1-3/4" Mesh Fabric, Add	*266.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.12*	
32 31 13 13-0377	EA	9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	1,921.65	77.77
		For Gate With Single Barb Wire Arm, Add	*185.71*	
		For Gate With Double Barb Wire Arm, Add	*270.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-316.55*	
		For Aluminized Steel Gate And Post, Add	*810.36*	
		For Powder Coated Gate And Post, Add	*438.95*	
		For 1" Mesh Fabric, Add	*734.39*	
		For 1-1/4" Mesh Fabric, Add	*472.71*	
		For 1-3/4" Mesh Fabric, Add	*293.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-146.88*	
32 31 13 13-0378	EA	10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire	2,108.71	87.38
		For Gate With Single Barb Wire Arm, Add	*203.10*	
		For Gate With Double Barb Wire Arm, Add	*295.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-346.19*	
		For Aluminized Steel Gate And Post, Add	*886.26*	
		For Powder Coated Gate And Post, Add	*480.06*	
		For 1" Mesh Fabric, Add	*803.17*	
		For 1-1/4" Mesh Fabric, Add	*516.98*	
		For 1-3/4" Mesh Fabric, Add	*321.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.63*	
32 31 13 13-0379	EA	10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,081.46	103.91
		For Gate With Single Barb Wire Arm, Add	*304.65*	
		For Gate With Double Barb Wire Arm, Add	*443.12*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-519.29*	
		For Aluminized Steel Gate And Post, Add	*1,329.37*	
		For Powder Coated Gate And Post, Add	*720.08*	
		For 1" Mesh Fabric, Add	*1,204.75*	
		For 1-1/4" Mesh Fabric, Add	*775.47*	
		For 1-3/4" Mesh Fabric, Add	*481.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.95*	
32 31 13 13-0380	EA	12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,351.59	111.77
		For Gate With Single Barb Wire Arm, Add	*331.74*	
		For Gate With Double Barb Wire Arm, Add	*482.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-565.46*	
		For Aluminized Steel Gate And Post, Add	*1,447.57*	
		For Powder Coated Gate And Post, Add	*784.10*	
		For 1" Mesh Fabric, Add	*1,311.86*	
		For 1-1/4" Mesh Fabric, Add	*844.42*	
		For 1-3/4" Mesh Fabric, Add	*524.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-262.37*	
32 31 13 13-0381	EA	14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	3,822.78	121.23
		For Gate With Single Barb Wire Arm, Add	*380.47*	
		For Gate With Double Barb Wire Arm, Add	*553.42*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-648.54*	
		For Aluminized Steel Gate And Post, Add	*1,660.25*	
		For Powder Coated Gate And Post, Add	*899.30*	
		For 1" Mesh Fabric, Add	*1,504.60*	
		For 1-1/4" Mesh Fabric, Add	*968.48*	
		For 1-3/4" Mesh Fabric, Add	*601.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-300.92*	
32 31 13 13-0382	EA	16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,348.08	132.16
		For Gate With Single Barb Wire Arm, Add	*434.64*	
		For Gate With Double Barb Wire Arm, Add	*632.20*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-740.86*	
		For Aluminized Steel Gate And Post, Add	*1,896.59*	
		For Powder Coated Gate And Post, Add	*1,027.32*	
		For 1" Mesh Fabric, Add	*1,718.79*	
		For 1-1/4" Mesh Fabric, Add	*1,106.34*	
		For 1-3/4" Mesh Fabric, Add	*687.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-343.76*	
32 31 13 13-0383	EA	18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	4,880.30	145.43
		For Gate With Single Barb Wire Arm, Add	*488.79*	
		For Gate With Double Barb Wire Arm, Add	*710.97*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-833.17*	
		For Aluminized Steel Gate And Post, Add	*2,132.92*	
		For Powder Coated Gate And Post, Add	*1,155.33*	
		For 1" Mesh Fabric, Add	*1,932.96*	
		For 1-1/4" Mesh Fabric, Add	*1,244.21*	
		For 1-3/4" Mesh Fabric, Add	*773.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-386.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0384	EA	20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,424.02	161.52
		For Gate With Single Barb Wire Arm, Add	*543.29*	
		For Gate With Double Barb Wire Arm, Add	*790.24*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-926.07*	
		For Aluminized Steel Gate And Post, Add	*2,370.73*	
		For Powder Coated Gate And Post, Add	*1,284.15*	
		For 1" Mesh Fabric, Add	*2,148.48*	
		For 1-1/4" Mesh Fabric, Add	*1,382.93*	
		For 1-3/4" Mesh Fabric, Add	*859.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-429.70*	
32 31 13 13-0385	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,980.36	181.78
		For Gate With Single Barb Wire Arm, Add	*597.79*	
		For Gate With Double Barb Wire Arm, Add	*869.52*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,018.97*	
		For Aluminized Steel Gate And Post, Add	*2,608.55*	
		For Powder Coated Gate And Post, Add	*1,412.96*	
		For 1" Mesh Fabric, Add	*2,364.00*	
		For 1-1/4" Mesh Fabric, Add	*1,521.65*	
		For 1-3/4" Mesh Fabric, Add	*945.60*	
		For 2-1/8" Mesh Fabric, Deduct	*-472.80*	
32 31 13 13-0386	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,550.31	207.57
		For Gate With Single Barb Wire Arm, Add	*651.95*	
		For Gate With Double Barb Wire Arm, Add	*948.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,111.28*	
		For Aluminized Steel Gate And Post, Add	*2,844.88*	
		For Powder Coated Gate And Post, Add	*1,540.98*	
		For 1" Mesh Fabric, Add	*2,578.18*	
		For 1-1/4" Mesh Fabric, Add	*1,659.52*	
		For 1-3/4" Mesh Fabric, Add	*1,031.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.64*	
32 31 13 13-0387	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,147.05	242.34
		For Gate With Single Barb Wire Arm, Add	*706.11*	
		For Gate With Double Barb Wire Arm, Add	*1,027.07*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,203.60*	
		For Aluminized Steel Gate And Post, Add	*3,081.22*	
		For Powder Coated Gate And Post, Add	*1,668.99*	
		For 1" Mesh Fabric, Add	*2,792.36*	
		For 1-1/4" Mesh Fabric, Add	*1,797.38*	
		For 1-3/4" Mesh Fabric, Add	*1,116.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-558.47*	
32 31 13 13-0388	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,784.20	290.60
		For Gate With Single Barb Wire Arm, Add	*760.27*	
		For Gate With Double Barb Wire Arm, Add	*1,105.85*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,295.92*	
		For Aluminized Steel Gate And Post, Add	*3,317.55*	
		For Powder Coated Gate And Post, Add	*1,797.01*	
		For 1" Mesh Fabric, Add	*3,006.53*	
		For 1-1/4" Mesh Fabric, Add	*1,935.24*	
		For 1-3/4" Mesh Fabric, Add	*1,202.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-601.31*	
32 31 13 13-0389	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	8,501.86	363.56
		For Gate With Single Barb Wire Arm, Add	*815.11*	
		For Gate With Double Barb Wire Arm, Add	*1,185.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,389.39*	
		For Aluminized Steel Gate And Post, Add	*3,556.84*	
		For Powder Coated Gate And Post, Add	*1,926.62*	
		For 1" Mesh Fabric, Add	*3,223.39*	
		For 1-1/4" Mesh Fabric, Add	*2,074.83*	
		For 1-3/4" Mesh Fabric, Add	*1,289.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-644.68*	

32 31 13 13-0390 12' Fence Height *(32 31 13 13-0269)*

32 31 13 13-0391	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	989.29	42.45
		For Gate With Single Barb Wire Arm, Add	*94.80*	
		For Gate With Double Barb Wire Arm, Add	*137.89*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.59*	
		For Aluminized Steel Gate And Post, Add	*413.66*	
		For Powder Coated Gate And Post, Add	*224.07*	
		For 1" Mesh Fabric, Add	*374.88*	
		For 1-1/4" Mesh Fabric, Add	*241.30*	
		For 1-3/4" Mesh Fabric, Add	*149.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.98*	
32 31 13 13-0392	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,276.53	42.45
		For Gate With Single Barb Wire Arm, Add	*126.39*	
		For Gate With Double Barb Wire Arm, Add	*183.84*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-215.44*	
		For Aluminized Steel Gate And Post, Add	*551.53*	
		For Powder Coated Gate And Post, Add	*298.75*	
		For 1" Mesh Fabric, Add	*499.83*	
		For 1-1/4" Mesh Fabric, Add	*321.73*	
		For 1-3/4" Mesh Fabric, Add	*199.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0393	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,483.63	44.00
		For Gate With Single Barb Wire Arm, Add	*148.66*	
		For Gate With Double Barb Wire Arm, Add	*216.23*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-253.40*	
		For Aluminized Steel Gate And Post, Add	*648.69*	
		For Powder Coated Gate And Post, Add	*351.37*	
		For 1" Mesh Fabric, Add	*587.88*	
		For 1-1/4" Mesh Fabric, Add	*378.40*	
		For 1-3/4" Mesh Fabric, Add	*235.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.58*	
32 31 13 13-0394	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,718.04	54.63
		For Gate With Single Barb Wire Arm, Add	*170.92*	
		For Gate With Double Barb Wire Arm, Add	*248.61*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-291.34*	
		For Aluminized Steel Gate And Post, Add	*745.83*	
		For Powder Coated Gate And Post, Add	*403.99*	
		For 1" Mesh Fabric, Add	*675.91*	
		For 1-1/4" Mesh Fabric, Add	*435.07*	
		For 1-3/4" Mesh Fabric, Add	*270.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.18*	
32 31 13 13-0395	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	667.57	65.38
		For Gate With Single Barb Wire Arm, Add	*51.85*	
		For Gate With Double Barb Wire Arm, Add	*75.41*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-88.37*	
		For Aluminized Steel Gate And Post, Add	*226.24*	
		For Powder Coated Gate And Post, Add	*122.55*	
		For 1" Mesh Fabric, Add	*205.03*	
		For 1-1/4" Mesh Fabric, Add	*131.97*	
		For 1-3/4" Mesh Fabric, Add	*82.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.01*	
32 31 13 13-0396	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	752.86	75.70
		For Gate With Single Barb Wire Arm, Add	*57.82*	
		For Gate With Double Barb Wire Arm, Add	*84.10*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.56*	
		For Aluminized Steel Gate And Post, Add	*252.31*	
		For Powder Coated Gate And Post, Add	*136.67*	
		For 1" Mesh Fabric, Add	*228.65*	
		For 1-1/4" Mesh Fabric, Add	*147.18*	
		For 1-3/4" Mesh Fabric, Add	*91.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.73*	
32 31 13 13-0397	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	839.20	86.35
		For Gate With Single Barb Wire Arm, Add	*63.80*	
		For Gate With Double Barb Wire Arm, Add	*92.79*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-108.74*	
		For Aluminized Steel Gate And Post, Add	*278.38*	
		For Powder Coated Gate And Post, Add	*150.79*	
		For 1" Mesh Fabric, Add	*252.28*	
		For 1-1/4" Mesh Fabric, Add	*162.39*	
		For 1-3/4" Mesh Fabric, Add	*100.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.46*	
32 31 13 13-0398	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	925.54	96.98
		For Gate With Single Barb Wire Arm, Add	*69.77*	
		For Gate With Double Barb Wire Arm, Add	*101.48*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-118.93*	
		For Aluminized Steel Gate And Post, Add	*304.45*	
		For Powder Coated Gate And Post, Add	*164.91*	
		For 1" Mesh Fabric, Add	*275.91*	
		For 1-1/4" Mesh Fabric, Add	*177.60*	
		For 1-3/4" Mesh Fabric, Add	*110.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-55.18*	
32 31 13 13-0399	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,230.30	115.45
		For Gate With Single Barb Wire Arm, Add	*97.21*	
		For Gate With Double Barb Wire Arm, Add	*141.39*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.70*	
		For Aluminized Steel Gate And Post, Add	*424.18*	
		For Powder Coated Gate And Post, Add	*229.76*	
		For 1" Mesh Fabric, Add	*384.41*	
		For 1-1/4" Mesh Fabric, Add	*247.44*	
		For 1-3/4" Mesh Fabric, Add	*153.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.88*	
32 31 13 13-0400	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,344.31	124.30
		For Gate With Single Barb Wire Arm, Add	*106.84*	
		For Gate With Double Barb Wire Arm, Add	*155.40*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-182.11*	
		For Aluminized Steel Gate And Post, Add	*466.20*	
		For Powder Coated Gate And Post, Add	*252.53*	
		For 1" Mesh Fabric, Add	*422.50*	
		For 1-1/4" Mesh Fabric, Add	*271.95*	
		For 1-3/4" Mesh Fabric, Add	*169.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0401	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,517.67	134.61
		For Gate With Single Barb Wire Arm, Add	*122.46*	
		For Gate With Double Barb Wire Arm, Add	*178.13*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-208.75*	
		For Aluminized Steel Gate And Post, Add	*534.39*	
		For Powder Coated Gate And Post, Add	*289.46*	
		For 1" Mesh Fabric, Add	*484.29*	
		For 1-1/4" Mesh Fabric, Add	*311.73*	
		For 1-3/4" Mesh Fabric, Add	*193.72*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.86*	
32 31 13 13-0402	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,712.90	146.78
		For Gate With Single Barb Wire Arm, Add	*139.91*	
		For Gate With Double Barb Wire Arm, Add	*203.50*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-238.48*	
		For Aluminized Steel Gate And Post, Add	*610.51*	
		For Powder Coated Gate And Post, Add	*330.69*	
		For 1" Mesh Fabric, Add	*553.27*	
		For 1-1/4" Mesh Fabric, Add	*356.13*	
		For 1-3/4" Mesh Fabric, Add	*221.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-110.65*	
32 31 13 13-0403	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,814.84	161.64
		For Gate With Single Barb Wire Arm, Add	*586.28*	
		For Gate With Double Barb Wire Arm, Add	*852.78*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-999.35*	
		For Aluminized Steel Gate And Post, Add	*2,558.33*	
		For Powder Coated Gate And Post, Add	*1,385.76*	
		For 1" Mesh Fabric, Add	*2,318.48*	
		For 1-1/4" Mesh Fabric, Add	*1,492.36*	
		For 1-3/4" Mesh Fabric, Add	*927.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-463.70*	
32 31 13 13-0404	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,465.54	179.45
		For Gate With Single Barb Wire Arm, Add	*651.95*	
		For Gate With Double Barb Wire Arm, Add	*948.29*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,111.28*	
		For Aluminized Steel Gate And Post, Add	*2,844.88*	
		For Powder Coated Gate And Post, Add	*1,540.98*	
		For 1" Mesh Fabric, Add	*2,578.18*	
		For 1-1/4" Mesh Fabric, Add	*1,659.52*	
		For 1-3/4" Mesh Fabric, Add	*1,031.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-515.64*	
32 31 13 13-0405	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,124.22	201.93
		For Gate With Single Barb Wire Arm, Add	*716.94*	
		For Gate With Double Barb Wire Arm, Add	*1,042.83*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,222.07*	
		For Aluminized Steel Gate And Post, Add	*3,128.49*	
		For Powder Coated Gate And Post, Add	*1,694.60*	
		For 1" Mesh Fabric, Add	*2,835.19*	
		For 1-1/4" Mesh Fabric, Add	*1,824.95*	
		For 1-3/4" Mesh Fabric, Add	*1,134.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-567.04*	
32 31 13 13-0406	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,807.42	230.66
		For Gate With Single Barb Wire Arm, Add	*782.61*	
		For Gate With Double Barb Wire Arm, Add	*1,138.35*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,334.00*	
		For Aluminized Steel Gate And Post, Add	*3,415.04*	
		For Powder Coated Gate And Post, Add	*1,849.81*	
		For 1" Mesh Fabric, Add	*3,094.88*	
		For 1-1/4" Mesh Fabric, Add	*1,992.11*	
		For 1-3/4" Mesh Fabric, Add	*1,237.95*	
		For 2-1/8" Mesh Fabric, Deduct	*-618.98*	
32 31 13 13-0407	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,508.06	269.35
		For Gate With Single Barb Wire Arm, Add	*846.93*	
		For Gate With Double Barb Wire Arm, Add	*1,231.90*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,443.63*	
		For Aluminized Steel Gate And Post, Add	*3,695.69*	
		For Powder Coated Gate And Post, Add	*2,001.83*	
		For 1" Mesh Fabric, Add	*3,349.22*	
		For 1-1/4" Mesh Fabric, Add	*2,155.82*	
		For 1-3/4" Mesh Fabric, Add	*1,339.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-669.84*	
32 31 13 13-0408	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,259.78	322.90
		For Gate With Single Barb Wire Arm, Add	*911.92*	
		For Gate With Double Barb Wire Arm, Add	*1,326.43*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,554.41*	
		For Aluminized Steel Gate And Post, Add	*3,979.29*	
		For Powder Coated Gate And Post, Add	*2,155.45*	
		For 1" Mesh Fabric, Add	*3,606.23*	
		For 1-1/4" Mesh Fabric, Add	*2,321.25*	
		For 1-3/4" Mesh Fabric, Add	*1,442.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-721.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0409	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	10,100.25	403.97
		For Gate With Single Barb Wire Arm, Add	*977.59*	
		For Gate With Double Barb Wire Arm, Add	*1,421.95*	
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-1,666.35*	
		For Aluminized Steel Gate And Post, Add	*4,265.85*	
		For Powder Coated Gate And Post, Add	*2,310.67*	
		For 1" Mesh Fabric, Add	*3,865.92*	
		For 1-1/4" Mesh Fabric, Add	*2,488.41*	
		For 1-3/4" Mesh Fabric, Add	*1,546.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-773.18*	

32 31 13 13-0410 Vinyl Coated Without Barb Wire Arm *(32 31 13 13-0268)*

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

32 31 13 13-0411 4' Fence Height *(32 31 13 13-0410)*

32 31 13 13-0412	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	187.68	25.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-20.67*	
		For 1" Mesh Fabric, Add	*47.95*	
		For 1-1/4" Mesh Fabric, Add	*30.86*	
		For 1-3/4" Mesh Fabric, Add	*19.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-9.59*	
		For Gate With Single Barb Wire Arm, Add	*12.12*	
		For Gate With Double Barb Wire Arm, Add	*17.64*	
32 31 13 13-0413	EA	4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	224.42	25.82
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.56*	
		For 1" Mesh Fabric, Add	*63.93*	
		For 1-1/4" Mesh Fabric, Add	*41.15*	
		For 1-3/4" Mesh Fabric, Add	*25.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.79*	
		For Gate With Single Barb Wire Arm, Add	*16.17*	
		For Gate With Double Barb Wire Arm, Add	*23.51*	
32 31 13 13-0414	EA	5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	260.21	27.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-33.30*	
		For 1" Mesh Fabric, Add	*77.25*	
		For 1-1/4" Mesh Fabric, Add	*49.72*	
		For 1-3/4" Mesh Fabric, Add	*30.90*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.45*	
		For Gate With Single Barb Wire Arm, Add	*19.53*	
		For Gate With Double Barb Wire Arm, Add	*28.41*	
32 31 13 13-0415	EA	6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	307.35	33.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-39.04*	
		For 1" Mesh Fabric, Add	*90.57*	
		For 1-1/4" Mesh Fabric, Add	*58.30*	
		For 1-3/4" Mesh Fabric, Add	*36.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.11*	
		For Gate With Single Barb Wire Arm, Add	*22.90*	
		For Gate With Double Barb Wire Arm, Add	*33.31*	
32 31 13 13-0416	EA	7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	354.48	38.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-44.78*	
		For 1" Mesh Fabric, Add	*103.88*	
		For 1-1/4" Mesh Fabric, Add	*66.87*	
		For 1-3/4" Mesh Fabric, Add	*41.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.78*	
		For Gate With Single Barb Wire Arm, Add	*26.27*	
		For Gate With Double Barb Wire Arm, Add	*38.21*	
32 31 13 13-0417	EA	8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	401.63	44.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.52*	
		For 1" Mesh Fabric, Add	*117.21*	
		For 1-1/4" Mesh Fabric, Add	*75.44*	
		For 1-3/4" Mesh Fabric, Add	*46.88*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.44*	
		For Gate With Single Barb Wire Arm, Add	*29.64*	
		For Gate With Double Barb Wire Arm, Add	*43.11*	
32 31 13 13-0418	EA	9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	448.78	49.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.26*	
		For 1" Mesh Fabric, Add	*130.52*	
		For 1-1/4" Mesh Fabric, Add	*84.01*	
		For 1-3/4" Mesh Fabric, Add	*52.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.10*	
		For Gate With Single Barb Wire Arm, Add	*33.01*	
		For Gate With Double Barb Wire Arm, Add	*48.01*	
32 31 13 13-0419	EA	10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	495.91	55.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.00*	
		For 1" Mesh Fabric, Add	*143.84*	
		For 1-1/4" Mesh Fabric, Add	*92.58*	
		For 1-3/4" Mesh Fabric, Add	*57.53*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.77*	
		For Gate With Single Barb Wire Arm, Add	*36.37*	
		For Gate With Double Barb Wire Arm, Add	*52.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0420	EA	10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	606.14	55.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-82.67*	
		For 1" Mesh Fabric, Add	*191.79*	
		For 1-1/4" Mesh Fabric, Add	*123.45*	
		For 1-3/4" Mesh Fabric, Add	*76.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-38.36*	
		For Gate With Single Barb Wire Arm, Add	*48.50*	
		For Gate With Double Barb Wire Arm, Add	*70.54*	
32 31 13 13-0421	EA	12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	706.12	58.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-99.20*	
		For 1" Mesh Fabric, Add	*230.14*	
		For 1-1/4" Mesh Fabric, Add	*148.14*	
		For 1-3/4" Mesh Fabric, Add	*92.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.03*	
		For Gate With Single Barb Wire Arm, Add	*58.20*	
		For Gate With Double Barb Wire Arm, Add	*84.65*	
32 31 13 13-0422	EA	14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	807.92	63.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-115.73*	
		For 1" Mesh Fabric, Add	*268.50*	
		For 1-1/4" Mesh Fabric, Add	*172.83*	
		For 1-3/4" Mesh Fabric, Add	*107.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.70*	
		For Gate With Single Barb Wire Arm, Add	*67.90*	
		For Gate With Double Barb Wire Arm, Add	*98.76*	
32 31 13 13-0423	EA	16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	911.98	68.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-132.27*	
		For 1" Mesh Fabric, Add	*306.86*	
		For 1-1/4" Mesh Fabric, Add	*197.52*	
		For 1-3/4" Mesh Fabric, Add	*122.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-61.37*	
		For Gate With Single Barb Wire Arm, Add	*77.60*	
		For Gate With Double Barb Wire Arm, Add	*112.87*	
32 31 13 13-0424	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,055.62	87.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-148.80*	
		For 1" Mesh Fabric, Add	*345.22*	
		For 1-1/4" Mesh Fabric, Add	*222.21*	
		For 1-3/4" Mesh Fabric, Add	*138.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-69.04*	
		For Gate With Single Barb Wire Arm, Add	*87.30*	
		For Gate With Double Barb Wire Arm, Add	*126.98*	
32 31 13 13-0425	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,162.51	93.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-165.33*	
		For 1" Mesh Fabric, Add	*383.57*	
		For 1-1/4" Mesh Fabric, Add	*246.90*	
		For 1-3/4" Mesh Fabric, Add	*153.43*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.71*	
		For Gate With Single Barb Wire Arm, Add	*96.99*	
		For Gate With Double Barb Wire Arm, Add	*141.08*	
32 31 13 13-0426	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,272.28	100.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-181.87*	
		For 1" Mesh Fabric, Add	*421.93*	
		For 1-1/4" Mesh Fabric, Add	*271.59*	
		For 1-3/4" Mesh Fabric, Add	*168.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-84.39*	
		For Gate With Single Barb Wire Arm, Add	*106.69*	
		For Gate With Double Barb Wire Arm, Add	*155.19*	
32 31 13 13-0427	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,385.66	109.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-198.40*	
		For 1" Mesh Fabric, Add	*460.29*	
		For 1-1/4" Mesh Fabric, Add	*296.28*	
		For 1-3/4" Mesh Fabric, Add	*184.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-92.06*	
		For Gate With Single Barb Wire Arm, Add	*116.39*	
		For Gate With Double Barb Wire Arm, Add	*169.30*	
32 31 13 13-0428	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,503.61	119.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-214.93*	
		For 1" Mesh Fabric, Add	*498.64*	
		For 1-1/4" Mesh Fabric, Add	*320.97*	
		For 1-3/4" Mesh Fabric, Add	*199.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-99.73*	
		For Gate With Single Barb Wire Arm, Add	*126.09*	
		For Gate With Double Barb Wire Arm, Add	*183.41*	
32 31 13 13-0429	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,627.52	130.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-231.47*	
		For 1" Mesh Fabric, Add	*537.00*	
		For 1-1/4" Mesh Fabric, Add	*345.65*	
		For 1-3/4" Mesh Fabric, Add	*214.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-107.40*	
		For Gate With Single Barb Wire Arm, Add	*135.79*	
		For Gate With Double Barb Wire Arm, Add	*197.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0430	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,759.37	145.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-248.00*	
		For 1" Mesh Fabric, Add	*575.36*	
		For 1-1/4" Mesh Fabric, Add	*370.34*	
		For 1-3/4" Mesh Fabric, Add	*230.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-115.07*	
		For Gate With Single Barb Wire Arm, Add	*145.49*	
		For Gate With Double Barb Wire Arm, Add	*211.63*	
32 31 13 13-0431		5' Fence Height *(32 31 13 13-0410)*		
32 31 13 13-0432	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	219.21	27.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-25.61*	
		For 1" Mesh Fabric, Add	*59.41*	
		For 1-1/4" Mesh Fabric, Add	*38.24*	
		For 1-3/4" Mesh Fabric, Add	*23.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-11.88*	
		For Gate With Single Barb Wire Arm, Add	*15.02*	
		For Gate With Double Barb Wire Arm, Add	*21.85*	
32 31 13 13-0433	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	264.74	27.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.15*	
		For 1" Mesh Fabric, Add	*79.22*	
		For 1-1/4" Mesh Fabric, Add	*50.99*	
		For 1-3/4" Mesh Fabric, Add	*31.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-15.84*	
		For Gate With Single Barb Wire Arm, Add	*20.03*	
		For Gate With Double Barb Wire Arm, Add	*29.14*	
32 31 13 13-0434	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	304.05	29.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.55*	
		For 1" Mesh Fabric, Add	*94.07*	
		For 1-1/4" Mesh Fabric, Add	*60.55*	
		For 1-3/4" Mesh Fabric, Add	*37.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.81*	
		For Gate With Single Barb Wire Arm, Add	*23.79*	
		For Gate With Double Barb Wire Arm, Add	*34.60*	
32 31 13 13-0435	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	355.74	35.11
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.95*	
		For 1" Mesh Fabric, Add	*108.92*	
		For 1-1/4" Mesh Fabric, Add	*70.11*	
		For 1-3/4" Mesh Fabric, Add	*43.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.78*	
		For Gate With Single Barb Wire Arm, Add	*27.54*	
		For Gate With Double Barb Wire Arm, Add	*40.06*	
32 31 13 13-0436	EA	7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	407.45	40.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.35*	
		For 1" Mesh Fabric, Add	*123.78*	
		For 1-1/4" Mesh Fabric, Add	*79.67*	
		For 1-3/4" Mesh Fabric, Add	*49.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.76*	
		For Gate With Single Barb Wire Arm, Add	*31.30*	
		For Gate With Double Barb Wire Arm, Add	*45.53*	
32 31 13 13-0437	EA	8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	460.18	47.10
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.75*	
		For 1" Mesh Fabric, Add	*138.63*	
		For 1-1/4" Mesh Fabric, Add	*89.23*	
		For 1-3/4" Mesh Fabric, Add	*55.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.73*	
		For Gate With Single Barb Wire Arm, Add	*35.06*	
		For Gate With Double Barb Wire Arm, Add	*50.99*	
32 31 13 13-0438	EA	9 Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	511.89	52.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-66.16*	
		For 1" Mesh Fabric, Add	*153.49*	
		For 1-1/4" Mesh Fabric, Add	*98.80*	
		For 1-3/4" Mesh Fabric, Add	*61.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-30.70*	
		For Gate With Single Barb Wire Arm, Add	*38.81*	
		For Gate With Double Barb Wire Arm, Add	*56.45*	
32 31 13 13-0439	EA	10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	563.59	58.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-72.56*	
		For 1" Mesh Fabric, Add	*168.34*	
		For 1-1/4" Mesh Fabric, Add	*108.35*	
		For 1-3/4" Mesh Fabric, Add	*67.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.67*	
		For Gate With Single Barb Wire Arm, Add	*42.57*	
		For Gate With Double Barb Wire Arm, Add	*61.92*	
32 31 13 13-0440	EA	10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	723.38	58.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-102.44*	
		For 1" Mesh Fabric, Add	*237.65*	
		For 1-1/4" Mesh Fabric, Add	*152.97*	
		For 1-3/4" Mesh Fabric, Add	*95.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-47.53*	
		For Gate With Single Barb Wire Arm, Add	*60.10*	
		For Gate With Double Barb Wire Arm, Add	*87.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0441	EA	12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	846.26	63.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-122.92*	
		For 1" Mesh Fabric, Add	*285.18*	
		For 1-1/4" Mesh Fabric, Add	*183.56*	
		For 1-3/4" Mesh Fabric, Add	*114.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-57.04*	
		For Gate With Single Barb Wire Arm, Add	*72.11*	
		For Gate With Double Barb Wire Arm, Add	*104.89*	
32 31 13 13-0442	EA	14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	971.40	68.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-143.41*	
		For 1" Mesh Fabric, Add	*332.71*	
		For 1-1/4" Mesh Fabric, Add	*214.16*	
		For 1-3/4" Mesh Fabric, Add	*133.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-66.54*	
		For Gate With Single Barb Wire Arm, Add	*84.13*	
		For Gate With Double Barb Wire Arm, Add	*122.37*	
32 31 13 13-0443	EA	16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,136.13	87.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-163.90*	
		For 1" Mesh Fabric, Add	*380.24*	
		For 1-1/4" Mesh Fabric, Add	*244.75*	
		For 1-3/4" Mesh Fabric, Add	*152.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-76.05*	
		For Gate With Single Barb Wire Arm, Add	*96.15*	
		For Gate With Double Barb Wire Arm, Add	*139.86*	
32 31 13 13-0444	EA	18 Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,264.11	93.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-184.38*	
		For 1" Mesh Fabric, Add	*427.77*	
		For 1-1/4" Mesh Fabric, Add	*275.34*	
		For 1-3/4" Mesh Fabric, Add	*171.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.55*	
		For Gate With Single Barb Wire Arm, Add	*108.17*	
		For Gate With Double Barb Wire Arm, Add	*157.34*	
32 31 13 13-0445	EA	20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,394.97	100.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-204.87*	
		For 1" Mesh Fabric, Add	*475.30*	
		For 1-1/4" Mesh Fabric, Add	*305.94*	
		For 1-3/4" Mesh Fabric, Add	*190.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-95.06*	
		For Gate With Single Barb Wire Arm, Add	*120.19*	
		For Gate With Double Barb Wire Arm, Add	*174.82*	
32 31 13 13-0446	EA	22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,529.43	109.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-225.36*	
		For 1" Mesh Fabric, Add	*522.83*	
		For 1-1/4" Mesh Fabric, Add	*336.53*	
		For 1-3/4" Mesh Fabric, Add	*209.13*	
		For 2-1/8" Mesh Fabric, Deduct	*-104.57*	
		For Gate With Single Barb Wire Arm, Add	*132.21*	
		For Gate With Double Barb Wire Arm, Add	*192.30*	
32 31 13 13-0447	EA	24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,668.46	119.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-245.84*	
		For 1" Mesh Fabric, Add	*570.35*	
		For 1-1/4" Mesh Fabric, Add	*367.12*	
		For 1-3/4" Mesh Fabric, Add	*228.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-114.07*	
		For Gate With Single Barb Wire Arm, Add	*144.23*	
		For Gate With Double Barb Wire Arm, Add	*209.79*	
32 31 13 13-0448	EA	26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,813.47	130.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-266.33*	
		For 1" Mesh Fabric, Add	*617.89*	
		For 1-1/4" Mesh Fabric, Add	*397.72*	
		For 1-3/4" Mesh Fabric, Add	*247.15*	
		For 2-1/8" Mesh Fabric, Deduct	*-123.58*	
		For Gate With Single Barb Wire Arm, Add	*156.25*	
		For Gate With Double Barb Wire Arm, Add	*227.27*	
32 31 13 13-0449	EA	28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,966.40	145.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-286.82*	
		For 1" Mesh Fabric, Add	*665.42*	
		For 1-1/4" Mesh Fabric, Add	*428.31*	
		For 1-3/4" Mesh Fabric, Add	*266.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-133.08*	
		For Gate With Single Barb Wire Arm, Add	*168.27*	
		For Gate With Double Barb Wire Arm, Add	*244.75*	
32 31 13 13-0450	EA	30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,130.25	163.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-307.30*	
		For 1" Mesh Fabric, Add	*712.94*	
		For 1-1/4" Mesh Fabric, Add	*458.91*	
		For 1-3/4" Mesh Fabric, Add	*285.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.59*	
		For Gate With Single Barb Wire Arm, Add	*180.28*	
		For Gate With Double Barb Wire Arm, Add	*262.23*	

32 31 13 13-0451 6' Fence Height *(32 31 13 13-0410)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0452	EA	3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	234.49	29.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-27.37*	
		For 1" Mesh Fabric, Add	*63.49*	
		For 1-1/4" Mesh Fabric, Add	*40.87*	
		For 1-3/4" Mesh Fabric, Add	*25.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-12.70*	
		For Gate With Single Barb Wire Arm, Add	*16.06*	
		For Gate With Double Barb Wire Arm, Add	*23.35*	
32 31 13 13-0453	EA	4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	283.15	29.44
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-36.49*	
		For 1" Mesh Fabric, Add	*84.66*	
		For 1-1/4" Mesh Fabric, Add	*54.49*	
		For 1-3/4" Mesh Fabric, Add	*33.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.93*	
		For Gate With Single Barb Wire Arm, Add	*21.41*	
		For Gate With Double Barb Wire Arm, Add	*31.14*	
32 31 13 13-0454	EA	5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	325.09	31.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-43.33*	
		For 1" Mesh Fabric, Add	*100.53*	
		For 1-1/4" Mesh Fabric, Add	*64.71*	
		For 1-3/4" Mesh Fabric, Add	*40.21*	
		For 2-1/8" Mesh Fabric, Deduct	*-20.11*	
		For Gate With Single Barb Wire Arm, Add	*25.42*	
		For Gate With Double Barb Wire Arm, Add	*36.98*	
32 31 13 13-0455	EA	6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	381.22	37.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-50.18*	
		For 1" Mesh Fabric, Add	*116.41*	
		For 1-1/4" Mesh Fabric, Add	*74.93*	
		For 1-3/4" Mesh Fabric, Add	*46.56*	
		For 2-1/8" Mesh Fabric, Deduct	*-23.28*	
		For Gate With Single Barb Wire Arm, Add	*29.44*	
		For Gate With Double Barb Wire Arm, Add	*42.82*	
32 31 13 13-0456	EA	7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	437.33	44.41
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-57.02*	
		For 1" Mesh Fabric, Add	*132.28*	
		For 1-1/4" Mesh Fabric, Add	*85.15*	
		For 1-3/4" Mesh Fabric, Add	*52.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.46*	
		For Gate With Single Barb Wire Arm, Add	*33.45*	
		For Gate With Double Barb Wire Arm, Add	*48.66*	
32 31 13 13-0457	EA	8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	492.41	50.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-63.86*	
		For 1" Mesh Fabric, Add	*148.16*	
		For 1-1/4" Mesh Fabric, Add	*95.37*	
		For 1-3/4" Mesh Fabric, Add	*59.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.63*	
		For Gate With Single Barb Wire Arm, Add	*37.46*	
		For Gate With Double Barb Wire Arm, Add	*54.49*	
32 31 13 13-0458	EA	9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	548.53	57.12
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-70.70*	
		For 1" Mesh Fabric, Add	*164.03*	
		For 1-1/4" Mesh Fabric, Add	*105.58*	
		For 1-3/4" Mesh Fabric, Add	*65.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.81*	
		For Gate With Single Barb Wire Arm, Add	*41.48*	
		For Gate With Double Barb Wire Arm, Add	*60.33*	
32 31 13 13-0459	EA	10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm	604.64	63.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.54*	
		For 1" Mesh Fabric, Add	*179.90*	
		For 1-1/4" Mesh Fabric, Add	*115.80*	
		For 1-3/4" Mesh Fabric, Add	*71.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.98*	
		For Gate With Single Barb Wire Arm, Add	*45.49*	
		For Gate With Double Barb Wire Arm, Add	*66.17*	
32 31 13 13-0460	EA	10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	774.54	63.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-109.47*	
		For 1" Mesh Fabric, Add	*253.98*	
		For 1-1/4" Mesh Fabric, Add	*163.48*	
		For 1-3/4" Mesh Fabric, Add	*101.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.80*	
		For Gate With Single Barb Wire Arm, Add	*64.22*	
		For Gate With Double Barb Wire Arm, Add	*93.42*	
32 31 13 13-0461	EA	12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	907.19	68.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-131.37*	
		For 1" Mesh Fabric, Add	*304.77*	
		For 1-1/4" Mesh Fabric, Add	*196.18*	
		For 1-3/4" Mesh Fabric, Add	*121.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-60.95*	
		For Gate With Single Barb Wire Arm, Add	*77.07*	
		For Gate With Double Barb Wire Arm, Add	*112.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0462	EA	14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,098.14	93.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-153.26*	
		For 1" Mesh Fabric, Add	*355.57*	
		For 1-1/4" Mesh Fabric, Add	*228.87*	
		For 1-3/4" Mesh Fabric, Add	*142.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-71.11*	
		For Gate With Single Barb Wire Arm, Add	*89.91*	
		For Gate With Double Barb Wire Arm, Add	*130.78*	
32 31 13 13-0463	EA	16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,236.50	100.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-175.16*	
		For 1" Mesh Fabric, Add	*406.36*	
		For 1-1/4" Mesh Fabric, Add	*261.57*	
		For 1-3/4" Mesh Fabric, Add	*162.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-81.27*	
		For Gate With Single Barb Wire Arm, Add	*102.76*	
		For Gate With Double Barb Wire Arm, Add	*149.47*	
32 31 13 13-0464	EA	18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,378.47	109.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-197.05*	
		For 1" Mesh Fabric, Add	*457.16*	
		For 1-1/4" Mesh Fabric, Add	*294.26*	
		For 1-3/4" Mesh Fabric, Add	*182.86*	
		For 2-1/8" Mesh Fabric, Deduct	*-91.43*	
		For Gate With Single Barb Wire Arm, Add	*115.60*	
		For Gate With Double Barb Wire Arm, Add	*168.15*	
32 31 13 13-0465	EA	20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,546.60	119.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.99*	
		For 1" Mesh Fabric, Add	*517.35*	
		For 1-1/4" Mesh Fabric, Add	*333.00*	
		For 1-3/4" Mesh Fabric, Add	*206.94*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.47*	
		For Gate With Single Barb Wire Arm, Add	*130.82*	
		For Gate With Double Barb Wire Arm, Add	*190.29*	
32 31 13 13-0466	EA	22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,681.44	130.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-241.58*	
		For 1" Mesh Fabric, Add	*560.45*	
		For 1-1/4" Mesh Fabric, Add	*360.75*	
		For 1-3/4" Mesh Fabric, Add	*224.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-112.09*	
		For Gate With Single Barb Wire Arm, Add	*141.72*	
		For Gate With Double Barb Wire Arm, Add	*206.14*	
32 31 13 13-0467	EA	24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,837.97	145.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-262.74*	
		For 1" Mesh Fabric, Add	*609.55*	
		For 1-1/4" Mesh Fabric, Add	*392.35*	
		For 1-3/4" Mesh Fabric, Add	*243.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-121.91*	
		For Gate With Single Barb Wire Arm, Add	*154.14*	
		For Gate With Double Barb Wire Arm, Add	*224.20*	
32 31 13 13-0468	EA	26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,009.33	163.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-284.63*	
		For 1" Mesh Fabric, Add	*660.34*	
		For 1-1/4" Mesh Fabric, Add	*425.05*	
		For 1-3/4" Mesh Fabric, Add	*264.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-132.07*	
		For Gate With Single Barb Wire Arm, Add	*166.98*	
		For Gate With Double Barb Wire Arm, Add	*242.88*	
32 31 13 13-0469	EA	28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,196.28	186.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.53*	
		For 1" Mesh Fabric, Add	*711.14*	
		For 1-1/4" Mesh Fabric, Add	*457.74*	
		For 1-3/4" Mesh Fabric, Add	*284.46*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.23*	
		For Gate With Single Barb Wire Arm, Add	*179.83*	
		For Gate With Double Barb Wire Arm, Add	*261.57*	
32 31 13 13-0470	EA	30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,406.63	218.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-328.42*	
		For 1" Mesh Fabric, Add	*761.93*	
		For 1-1/4" Mesh Fabric, Add	*490.44*	
		For 1-3/4" Mesh Fabric, Add	*304.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-152.39*	
		For Gate With Single Barb Wire Arm, Add	*192.67*	
		For Gate With Double Barb Wire Arm, Add	*280.25*	

32 31 13 13-0471 7' Fence Height *(32 31 13 13-0410)*

32 31 13 13-0472	EA	3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	248.64	31.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-28.75*	
		For 1" Mesh Fabric, Add	*66.69*	
		For 1-1/4" Mesh Fabric, Add	*42.93*	
		For 1-3/4" Mesh Fabric, Add	*26.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-13.34*	
		For Gate With Single Barb Wire Arm, Add	*16.86*	
		For Gate With Double Barb Wire Arm, Add	*24.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0473	EA	4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	299.75	31.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-38.33*	
		For 1" Mesh Fabric, Add	*88.92*	
		For 1-1/4" Mesh Fabric, Add	*57.24*	
		For 1-3/4" Mesh Fabric, Add	*35.57*	
		For 2-1/8" Mesh Fabric, Deduct	*-17.78*	
		For Gate With Single Barb Wire Arm, Add	*22.49*	
		For Gate With Double Barb Wire Arm, Add	*32.71*	
32 31 13 13-0474	EA	5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	342.94	33.36
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-45.52*	
		For 1" Mesh Fabric, Add	*105.60*	
		For 1-1/4" Mesh Fabric, Add	*67.97*	
		For 1-3/4" Mesh Fabric, Add	*42.24*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.12*	
		For Gate With Single Barb Wire Arm, Add	*26.70*	
		For Gate With Double Barb Wire Arm, Add	*38.84*	
32 31 13 13-0475	EA	6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	402.95	40.59
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-52.70*	
		For 1" Mesh Fabric, Add	*122.27*	
		For 1-1/4" Mesh Fabric, Add	*78.70*	
		For 1-3/4" Mesh Fabric, Add	*48.91*	
		For 2-1/8" Mesh Fabric, Deduct	*-24.45*	
		For Gate With Single Barb Wire Arm, Add	*30.92*	
		For Gate With Double Barb Wire Arm, Add	*44.97*	
32 31 13 13-0476	EA	7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	461.94	47.50
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-59.89*	
		For 1" Mesh Fabric, Add	*138.95*	
		For 1-1/4" Mesh Fabric, Add	*89.44*	
		For 1-3/4" Mesh Fabric, Add	*55.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-27.79*	
		For Gate With Single Barb Wire Arm, Add	*35.14*	
		For Gate With Double Barb Wire Arm, Add	*51.11*	
32 31 13 13-0477	EA	8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	521.97	54.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-67.08*	
		For 1" Mesh Fabric, Add	*155.62*	
		For 1-1/4" Mesh Fabric, Add	*100.17*	
		For 1-3/4" Mesh Fabric, Add	*62.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-31.12*	
		For Gate With Single Barb Wire Arm, Add	*39.35*	
		For Gate With Double Barb Wire Arm, Add	*57.24*	
32 31 13 13-0478	EA	9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	580.94	61.55
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-74.26*	
		For 1" Mesh Fabric, Add	*172.29*	
		For 1-1/4" Mesh Fabric, Add	*110.90*	
		For 1-3/4" Mesh Fabric, Add	*68.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.46*	
		For Gate With Single Barb Wire Arm, Add	*43.57*	
		For Gate With Double Barb Wire Arm, Add	*63.37*	
32 31 13 13-0479	EA	10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm	640.97	68.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-81.45*	
		For 1" Mesh Fabric, Add	*188.97*	
		For 1-1/4" Mesh Fabric, Add	*121.63*	
		For 1-3/4" Mesh Fabric, Add	*75.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.79*	
		For Gate With Single Barb Wire Arm, Add	*47.79*	
		For Gate With Double Barb Wire Arm, Add	*69.51*	
32 31 13 13-0480	EA	10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	819.83	68.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-114.99*	
		For 1" Mesh Fabric, Add	*266.77*	
		For 1-1/4" Mesh Fabric, Add	*171.72*	
		For 1-3/4" Mesh Fabric, Add	*106.71*	
		For 2-1/8" Mesh Fabric, Deduct	*-53.35*	
		For Gate With Single Barb Wire Arm, Add	*67.46*	
		For Gate With Double Barb Wire Arm, Add	*98.12*	
32 31 13 13-0481	EA	12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,016.65	93.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-137.98*	
		For 1" Mesh Fabric, Add	*320.12*	
		For 1-1/4" Mesh Fabric, Add	*206.05*	
		For 1-3/4" Mesh Fabric, Add	*128.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.02*	
		For Gate With Single Barb Wire Arm, Add	*80.95*	
		For Gate With Double Barb Wire Arm, Add	*117.75*	
32 31 13 13-0482	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,160.91	100.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-160.98*	
		For 1" Mesh Fabric, Add	*373.48*	
		For 1-1/4" Mesh Fabric, Add	*240.40*	
		For 1-3/4" Mesh Fabric, Add	*149.39*	
		For 2-1/8" Mesh Fabric, Deduct	*-74.70*	
		For Gate With Single Barb Wire Arm, Add	*94.44*	
		For Gate With Double Barb Wire Arm, Add	*137.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0483	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,308.74	109.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-183.98*	
		For 1" Mesh Fabric, Add	*426.83*	
		For 1-1/4" Mesh Fabric, Add	*274.74*	
		For 1-3/4" Mesh Fabric, Add	*170.73*	
		For 2-1/8" Mesh Fabric, Deduct	*-85.37*	
		For Gate With Single Barb Wire Arm, Add	*107.93*	
		For Gate With Double Barb Wire Arm, Add	*156.99*	
32 31 13 13-0484	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,461.18	119.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-206.98*	
		For 1" Mesh Fabric, Add	*480.19*	
		For 1-1/4" Mesh Fabric, Add	*309.09*	
		For 1-3/4" Mesh Fabric, Add	*192.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-96.04*	
		For Gate With Single Barb Wire Arm, Add	*121.43*	
		For Gate With Double Barb Wire Arm, Add	*176.62*	
32 31 13 13-0485	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,619.55	130.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-229.97*	
		For 1" Mesh Fabric, Add	*533.53*	
		For 1-1/4" Mesh Fabric, Add	*343.42*	
		For 1-3/4" Mesh Fabric, Add	*213.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-106.71*	
		For Gate With Single Barb Wire Arm, Add	*134.92*	
		For Gate With Double Barb Wire Arm, Add	*196.24*	
32 31 13 13-0486	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,785.86	145.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-252.97*	
		For 1" Mesh Fabric, Add	*586.88*	
		For 1-1/4" Mesh Fabric, Add	*377.76*	
		For 1-3/4" Mesh Fabric, Add	*234.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-117.38*	
		For Gate With Single Barb Wire Arm, Add	*148.41*	
		For Gate With Double Barb Wire Arm, Add	*215.86*	
32 31 13 13-0487	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,963.12	163.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-275.97*	
		For 1" Mesh Fabric, Add	*640.24*	
		For 1-1/4" Mesh Fabric, Add	*412.11*	
		For 1-3/4" Mesh Fabric, Add	*256.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-128.05*	
		For Gate With Single Barb Wire Arm, Add	*161.90*	
		For Gate With Double Barb Wire Arm, Add	*235.49*	
32 31 13 13-0488	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,155.96	186.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-298.97*	
		For 1" Mesh Fabric, Add	*693.60*	
		For 1-1/4" Mesh Fabric, Add	*446.45*	
		For 1-3/4" Mesh Fabric, Add	*277.44*	
		For 2-1/8" Mesh Fabric, Deduct	*-138.72*	
		For Gate With Single Barb Wire Arm, Add	*175.39*	
		For Gate With Double Barb Wire Arm, Add	*255.12*	
32 31 13 13-0489	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,372.18	218.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-321.96*	
		For 1" Mesh Fabric, Add	*746.95*	
		For 1-1/4" Mesh Fabric, Add	*480.79*	
		For 1-3/4" Mesh Fabric, Add	*298.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-149.39*	
		For Gate With Single Barb Wire Arm, Add	*188.88*	
		For Gate With Double Barb Wire Arm, Add	*274.74*	
32 31 13 13-0490	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,625.86	261.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-344.96*	
		For 1" Mesh Fabric, Add	*800.31*	
		For 1-1/4" Mesh Fabric, Add	*515.14*	
		For 1-3/4" Mesh Fabric, Add	*320.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-160.06*	
		For Gate With Single Barb Wire Arm, Add	*202.38*	
		For Gate With Double Barb Wire Arm, Add	*294.37*	
32 31 13 13-0491		8' Fence Height *(32 31 13 13-0410)*		
32 31 13 13-0492	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	289.10	34.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-34.84*	
		For 1" Mesh Fabric, Add	*80.83*	
		For 1-1/4" Mesh Fabric, Add	*52.03*	
		For 1-3/4" Mesh Fabric, Add	*32.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-16.17*	
		For Gate With Single Barb Wire Arm, Add	*20.44*	
		For Gate With Double Barb Wire Arm, Add	*29.73*	
32 31 13 13-0493	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	351.05	34.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-46.46*	
		For 1" Mesh Fabric, Add	*107.78*	
		For 1-1/4" Mesh Fabric, Add	*69.38*	
		For 1-3/4" Mesh Fabric, Add	*43.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-21.56*	
		For Gate With Single Barb Wire Arm, Add	*27.25*	
		For Gate With Double Barb Wire Arm, Add	*39.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0494	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	392.34	34.40
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-54.20*	
		For 1" Mesh Fabric, Add	*125.74*	
		For 1-1/4" Mesh Fabric, Add	*80.94*	
		For 1-3/4" Mesh Fabric, Add	*50.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.15*	
		For Gate With Single Barb Wire Arm, Add	*31.80*	
		For Gate With Double Barb Wire Arm, Add	*46.25*	
32 31 13 13-0495	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	460.49	43.37
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-61.94*	
		For 1" Mesh Fabric, Add	*143.71*	
		For 1-1/4" Mesh Fabric, Add	*92.50*	
		For 1-3/4" Mesh Fabric, Add	*57.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-28.74*	
		For Gate With Single Barb Wire Arm, Add	*36.34*	
		For Gate With Double Barb Wire Arm, Add	*52.86*	
32 31 13 13-0496	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	528.65	52.26
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-69.69*	
		For 1" Mesh Fabric, Add	*161.67*	
		For 1-1/4" Mesh Fabric, Add	*104.06*	
		For 1-3/4" Mesh Fabric, Add	*64.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-32.33*	
		For Gate With Single Barb Wire Arm, Add	*40.88*	
		For Gate With Double Barb Wire Arm, Add	*59.47*	
32 31 13 13-0497	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	595.76	60.84
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-77.43*	
		For 1" Mesh Fabric, Add	*179.63*	
		For 1-1/4" Mesh Fabric, Add	*115.63*	
		For 1-3/4" Mesh Fabric, Add	*71.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-35.93*	
		For Gate With Single Barb Wire Arm, Add	*45.42*	
		For Gate With Double Barb Wire Arm, Add	*66.07*	
32 31 13 13-0498	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	663.90	69.81
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-85.17*	
		For 1" Mesh Fabric, Add	*197.59*	
		For 1-1/4" Mesh Fabric, Add	*127.19*	
		For 1-3/4" Mesh Fabric, Add	*79.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-39.52*	
		For Gate With Single Barb Wire Arm, Add	*49.97*	
		For Gate With Double Barb Wire Arm, Add	*72.68*	
32 31 13 13-0499	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm	732.04	78.80
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-92.91*	
		For 1" Mesh Fabric, Add	*215.56*	
		For 1-1/4" Mesh Fabric, Add	*138.75*	
		For 1-3/4" Mesh Fabric, Add	*86.22*	
		For 2-1/8" Mesh Fabric, Deduct	*-43.11*	
		For Gate With Single Barb Wire Arm, Add	*54.51*	
		For Gate With Double Barb Wire Arm, Add	*79.29*	
32 31 13 13-0500	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,024.04	93.47
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.37*	
		For 1" Mesh Fabric, Add	*323.34*	
		For 1-1/4" Mesh Fabric, Add	*208.12*	
		For 1-3/4" Mesh Fabric, Add	*129.33*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.67*	
		For Gate With Single Barb Wire Arm, Add	*81.76*	
		For Gate With Double Barb Wire Arm, Add	*118.93*	
32 31 13 13-0501	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,194.29	100.71
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-167.24*	
		For 1" Mesh Fabric, Add	*388.00*	
		For 1-1/4" Mesh Fabric, Add	*249.75*	
		For 1-3/4" Mesh Fabric, Add	*155.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-77.60*	
		For Gate With Single Barb Wire Arm, Add	*98.12*	
		For Gate With Double Barb Wire Arm, Add	*142.71*	
32 31 13 13-0502	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,368.15	109.06
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-195.12*	
		For 1" Mesh Fabric, Add	*452.67*	
		For 1-1/4" Mesh Fabric, Add	*291.37*	
		For 1-3/4" Mesh Fabric, Add	*181.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.53*	
		For Gate With Single Barb Wire Arm, Add	*114.47*	
		For Gate With Double Barb Wire Arm, Add	*166.50*	
32 31 13 13-0503	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,546.58	119.01
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-222.99*	
		For 1" Mesh Fabric, Add	*517.34*	
		For 1-1/4" Mesh Fabric, Add	*333.00*	
		For 1-3/4" Mesh Fabric, Add	*206.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-103.47*	
		For Gate With Single Barb Wire Arm, Add	*130.82*	
		For Gate With Double Barb Wire Arm, Add	*190.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0504	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,730.98	130.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-250.86*	
		For 1" Mesh Fabric, Add	*582.00*	
		For 1-1/4" Mesh Fabric, Add	*374.62*	
		For 1-3/4" Mesh Fabric, Add	*232.80*	
		For 2-1/8" Mesh Fabric, Deduct	*-116.40*	
		For Gate With Single Barb Wire Arm, Add	*147.17*	
		For Gate With Double Barb Wire Arm, Add	*214.07*	
32 31 13 13-0505	EA	20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,923.31	145.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-278.74*	
		For 1" Mesh Fabric, Add	*646.67*	
		For 1-1/4" Mesh Fabric, Add	*416.25*	
		For 1-3/4" Mesh Fabric, Add	*258.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.33*	
		For Gate With Single Barb Wire Arm, Add	*163.53*	
		For Gate With Double Barb Wire Arm, Add	*237.86*	
32 31 13 13-0506	EA	22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,126.56	163.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-306.61*	
		For 1" Mesh Fabric, Add	*711.34*	
		For 1-1/4" Mesh Fabric, Add	*457.87*	
		For 1-3/4" Mesh Fabric, Add	*284.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-142.27*	
		For Gate With Single Barb Wire Arm, Add	*179.88*	
		For Gate With Double Barb Wire Arm, Add	*261.64*	
32 31 13 13-0507	EA	24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,345.40	186.94
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-334.49*	
		For 1" Mesh Fabric, Add	*776.01*	
		For 1-1/4" Mesh Fabric, Add	*499.50*	
		For 1-3/4" Mesh Fabric, Add	*310.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-155.20*	
		For Gate With Single Barb Wire Arm, Add	*196.23*	
		For Gate With Double Barb Wire Arm, Add	*285.43*	
32 31 13 13-0508	EA	26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,587.64	218.14
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-362.36*	
		For 1" Mesh Fabric, Add	*840.67*	
		For 1-1/4" Mesh Fabric, Add	*541.12*	
		For 1-3/4" Mesh Fabric, Add	*336.27*	
		For 2-1/8" Mesh Fabric, Deduct	*-168.13*	
		For Gate With Single Barb Wire Arm, Add	*212.58*	
		For Gate With Double Barb Wire Arm, Add	*309.21*	
32 31 13 13-0509	EA	28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,867.31	261.74
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-390.23*	
		For 1" Mesh Fabric, Add	*905.34*	
		For 1-1/4" Mesh Fabric, Add	*582.75*	
		For 1-3/4" Mesh Fabric, Add	*362.14*	
		For 2-1/8" Mesh Fabric, Deduct	*-181.07*	
		For Gate With Single Barb Wire Arm, Add	*228.94*	
		For Gate With Double Barb Wire Arm, Add	*333.00*	
32 31 13 13-0510	EA	30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,212.49	327.20
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.11*	
		For 1" Mesh Fabric, Add	*970.01*	
		For 1-1/4" Mesh Fabric, Add	*624.37*	
		For 1-3/4" Mesh Fabric, Add	*388.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.00*	
		For Gate With Single Barb Wire Arm, Add	*245.29*	
		For Gate With Double Barb Wire Arm, Add	*356.78*	

32 31 13 13-0511 10' Fence Height *(32 31 13 13-0410)*

32 31 13 13-0512	EA	3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	330.31	38.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-40.42*	
		For 1" Mesh Fabric, Add	*93.77*	
		For 1-1/4" Mesh Fabric, Add	*60.36*	
		For 1-3/4" Mesh Fabric, Add	*37.51*	
		For 2-1/8" Mesh Fabric, Deduct	*-18.75*	
		For Gate With Single Barb Wire Arm, Add	*23.71*	
		For Gate With Double Barb Wire Arm, Add	*34.49*	
32 31 13 13-0513	EA	4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	402.17	38.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-53.89*	
		For 1" Mesh Fabric, Add	*125.03*	
		For 1-1/4" Mesh Fabric, Add	*80.48*	
		For 1-3/4" Mesh Fabric, Add	*50.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-25.01*	
		For Gate With Single Barb Wire Arm, Add	*31.62*	
		For Gate With Double Barb Wire Arm, Add	*45.99*	
32 31 13 13-0514	EA	5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm	455.13	39.87
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-62.87*	
		For 1" Mesh Fabric, Add	*145.87*	
		For 1-1/4" Mesh Fabric, Add	*93.89*	
		For 1-3/4" Mesh Fabric, Add	*58.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-29.17*	
		For Gate With Single Barb Wire Arm, Add	*36.89*	
		For Gate With Double Barb Wire Arm, Add	*53.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0515	EA	6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	531.95	49.58
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-71.86*	
		For 1" Mesh Fabric, Add	*166.71*	
		For 1-1/4" Mesh Fabric, Add	*107.30*	
		For 1-3/4" Mesh Fabric, Add	*66.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-33.34*	
		For Gate With Single Barb Wire Arm, Add	*42.16*	
		For Gate With Double Barb Wire Arm, Add	*61.32*	
32 31 13 13-0516	EA	7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	607.74	58.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-80.84*	
		For 1" Mesh Fabric, Add	*187.54*	
		For 1-1/4" Mesh Fabric, Add	*120.72*	
		For 1-3/4" Mesh Fabric, Add	*75.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-37.51*	
		For Gate With Single Barb Wire Arm, Add	*47.42*	
		For Gate With Double Barb Wire Arm, Add	*68.98*	
32 31 13 13-0517	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	684.57	68.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.82*	
		For 1" Mesh Fabric, Add	*208.39*	
		For 1-1/4" Mesh Fabric, Add	*134.13*	
		For 1-3/4" Mesh Fabric, Add	*83.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.68*	
		For Gate With Single Barb Wire Arm, Add	*52.70*	
		For Gate With Double Barb Wire Arm, Add	*76.65*	
32 31 13 13-0518	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	760.35	77.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-98.80*	
		For 1" Mesh Fabric, Add	*229.22*	
		For 1-1/4" Mesh Fabric, Add	*147.55*	
		For 1-3/4" Mesh Fabric, Add	*91.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-45.84*	
		For Gate With Single Barb Wire Arm, Add	*57.96*	
		For Gate With Double Barb Wire Arm, Add	*84.31*	
32 31 13 13-0519	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm	837.19	87.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-107.78*	
		For 1" Mesh Fabric, Add	*250.06*	
		For 1-1/4" Mesh Fabric, Add	*160.96*	
		For 1-3/4" Mesh Fabric, Add	*100.02*	
		For 2-1/8" Mesh Fabric, Deduct	*-50.01*	
		For Gate With Single Barb Wire Arm, Add	*63.23*	
		For Gate With Double Barb Wire Arm, Add	*91.98*	
32 31 13 13-0520	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,174.20	103.91
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-161.68*	
		For 1" Mesh Fabric, Add	*375.09*	
		For 1-1/4" Mesh Fabric, Add	*241.44*	
		For 1-3/4" Mesh Fabric, Add	*150.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-75.02*	
		For Gate With Single Barb Wire Arm, Add	*94.85*	
		For Gate With Double Barb Wire Arm, Add	*137.96*	
32 31 13 13-0521	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,370.53	111.77
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-194.01*	
		For 1" Mesh Fabric, Add	*450.10*	
		For 1-1/4" Mesh Fabric, Add	*289.72*	
		For 1-3/4" Mesh Fabric, Add	*180.04*	
		For 2-1/8" Mesh Fabric, Deduct	*-90.02*	
		For Gate With Single Barb Wire Arm, Add	*113.82*	
		For Gate With Double Barb Wire Arm, Add	*165.56*	
32 31 13 13-0522	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,571.09	121.23
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.34*	
		For 1" Mesh Fabric, Add	*525.12*	
		For 1-1/4" Mesh Fabric, Add	*338.01*	
		For 1-3/4" Mesh Fabric, Add	*210.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.02*	
		For Gate With Single Barb Wire Arm, Add	*132.79*	
		For Gate With Double Barb Wire Arm, Add	*193.15*	
32 31 13 13-0523	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,776.47	132.16
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-258.68*	
		For 1" Mesh Fabric, Add	*600.13*	
		For 1-1/4" Mesh Fabric, Add	*386.29*	
		For 1-3/4" Mesh Fabric, Add	*240.05*	
		For 2-1/8" Mesh Fabric, Deduct	*-120.03*	
		For Gate With Single Barb Wire Arm, Add	*151.76*	
		For Gate With Double Barb Wire Arm, Add	*220.74*	
32 31 13 13-0524	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,988.79	145.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-291.02*	
		For 1" Mesh Fabric, Add	*675.15*	
		For 1-1/4" Mesh Fabric, Add	*434.58*	
		For 1-3/4" Mesh Fabric, Add	*270.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-135.03*	
		For Gate With Single Barb Wire Arm, Add	*170.73*	
		For Gate With Double Barb Wire Arm, Add	*248.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0525	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,209.52	161.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-323.35*	
		For 1" Mesh Fabric, Add	*750.17*	
		For 1-1/4" Mesh Fabric, Add	*482.87*	
		For 1-3/4" Mesh Fabric, Add	*300.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-150.03*	
		For Gate With Single Barb Wire Arm, Add	*189.70*	
		For Gate With Double Barb Wire Arm, Add	*275.92*	
32 31 13 13-0526	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,442.86	181.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-355.68*	
		For 1" Mesh Fabric, Add	*825.19*	
		For 1-1/4" Mesh Fabric, Add	*531.15*	
		For 1-3/4" Mesh Fabric, Add	*330.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-165.04*	
		For Gate With Single Barb Wire Arm, Add	*208.67*	
		For Gate With Double Barb Wire Arm, Add	*303.52*	
32 31 13 13-0527	EA	24 Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,692.91	207.57
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-388.02*	
		For 1" Mesh Fabric, Add	*900.21*	
		For 1-1/4" Mesh Fabric, Add	*579.44*	
		For 1-3/4" Mesh Fabric, Add	*360.08*	
		For 2-1/8" Mesh Fabric, Deduct	*-180.04*	
		For Gate With Single Barb Wire Arm, Add	*227.64*	
		For Gate With Double Barb Wire Arm, Add	*331.11*	
32 31 13 13-0528	EA	26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,969.73	242.34
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-420.35*	
		For 1" Mesh Fabric, Add	*975.22*	
		For 1-1/4" Mesh Fabric, Add	*627.73*	
		For 1-3/4" Mesh Fabric, Add	*390.09*	
		For 2-1/8" Mesh Fabric, Deduct	*-195.04*	
		For Gate With Single Barb Wire Arm, Add	*246.61*	
		For Gate With Double Barb Wire Arm, Add	*358.70*	
32 31 13 13-0529	EA	28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,286.97	290.60
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-452.69*	
		For 1" Mesh Fabric, Add	*1,050.24*	
		For 1-1/4" Mesh Fabric, Add	*676.02*	
		For 1-3/4" Mesh Fabric, Add	*420.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-210.05*	
		For Gate With Single Barb Wire Arm, Add	*265.58*	
		For Gate With Double Barb Wire Arm, Add	*386.29*	
32 31 13 13-0530	EA	30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,678.57	363.56
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-485.03*	
		For 1" Mesh Fabric, Add	*1,125.26*	
		For 1-1/4" Mesh Fabric, Add	*724.30*	
		For 1-3/4" Mesh Fabric, Add	*450.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-225.05*	
		For Gate With Single Barb Wire Arm, Add	*284.55*	
		For Gate With Double Barb Wire Arm, Add	*413.89*	
32 31 13 13-0531		12' Fence Height *(32 31 13 13-0410)*		
32 31 13 13-0532	EA	3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	428.13	42.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-56.37*	
		For 1" Mesh Fabric, Add	*130.77*	
		For 1-1/4" Mesh Fabric, Add	*84.18*	
		For 1-3/4" Mesh Fabric, Add	*52.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-26.15*	
		For Gate With Single Barb Wire Arm, Add	*33.07*	
		For Gate With Double Barb Wire Arm, Add	*48.10*	
32 31 13 13-0533	EA	4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	528.06	42.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-75.11*	
		For 1" Mesh Fabric, Add	*174.24*	
		For 1-1/4" Mesh Fabric, Add	*112.16*	
		For 1-3/4" Mesh Fabric, Add	*69.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-34.85*	
		For Gate With Single Barb Wire Arm, Add	*44.06*	
		For Gate With Double Barb Wire Arm, Add	*64.09*	
32 31 13 13-0534	EA	5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	607.08	44.00
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-89.04*	
		For 1" Mesh Fabric, Add	*206.58*	
		For 1-1/4" Mesh Fabric, Add	*132.97*	
		For 1-3/4" Mesh Fabric, Add	*82.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-41.32*	
		For Gate With Single Barb Wire Arm, Add	*52.24*	
		For Gate With Double Barb Wire Arm, Add	*75.98*	
32 31 13 13-0535	EA	6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	701.06	54.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-100.66*	
		For 1" Mesh Fabric, Add	*233.53*	
		For 1-1/4" Mesh Fabric, Add	*150.32*	
		For 1-3/4" Mesh Fabric, Add	*93.41*	
		For 2-1/8" Mesh Fabric, Deduct	*-46.71*	
		For Gate With Single Barb Wire Arm, Add	*59.05*	
		For Gate With Double Barb Wire Arm, Add	*85.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0536	EA	7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	801.90	65.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-113.56*	
		For 1" Mesh Fabric, Add	*263.46*	
		For 1-1/4" Mesh Fabric, Add	*169.58*	
		For 1-3/4" Mesh Fabric, Add	*105.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-52.69*	
		For Gate With Single Barb Wire Arm, Add	*66.62*	
		For Gate With Double Barb Wire Arm, Add	*96.91*	
32 31 13 13-0537	EA	8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	901.70	75.70
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-126.47*	
		For 1" Mesh Fabric, Add	*293.40*	
		For 1-1/4" Mesh Fabric, Add	*188.85*	
		For 1-3/4" Mesh Fabric, Add	*117.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-58.68*	
		For Gate With Single Barb Wire Arm, Add	*74.19*	
		For Gate With Double Barb Wire Arm, Add	*107.92*	
32 31 13 13-0538	EA	9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,002.55	86.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-139.37*	
		For 1" Mesh Fabric, Add	*323.34*	
		For 1-1/4" Mesh Fabric, Add	*208.13*	
		For 1-3/4" Mesh Fabric, Add	*129.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-64.67*	
		For Gate With Single Barb Wire Arm, Add	*81.76*	
		For Gate With Double Barb Wire Arm, Add	*118.93*	
32 31 13 13-0539	EA	10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm	1,096.51	96.98
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-150.98*	
		For 1" Mesh Fabric, Add	*350.28*	
		For 1-1/4" Mesh Fabric, Add	*225.47*	
		For 1-3/4" Mesh Fabric, Add	*140.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-70.06*	
		For Gate With Single Barb Wire Arm, Add	*88.58*	
		For Gate With Double Barb Wire Arm, Add	*128.84*	
32 31 13 13-0540	EA	10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,553.94	115.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-226.40*	
		For 1" Mesh Fabric, Add	*525.25*	
		For 1-1/4" Mesh Fabric, Add	*338.09*	
		For 1-3/4" Mesh Fabric, Add	*210.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-105.05*	
		For Gate With Single Barb Wire Arm, Add	*132.82*	
		For Gate With Double Barb Wire Arm, Add	*193.20*	
32 31 13 13-0541	EA	12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,861.32	124.30
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-279.05*	
		For 1" Mesh Fabric, Add	*647.40*	
		For 1-1/4" Mesh Fabric, Add	*416.72*	
		For 1-3/4" Mesh Fabric, Add	*258.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-129.48*	
		For Gate With Single Barb Wire Arm, Add	*163.71*	
		For Gate With Double Barb Wire Arm, Add	*238.12*	
32 31 13 13-0542	EA	14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,142.05	134.61
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-325.82*	
		For 1" Mesh Fabric, Add	*755.90*	
		For 1-1/4" Mesh Fabric, Add	*486.55*	
		For 1-3/4" Mesh Fabric, Add	*302.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-151.18*	
		For Gate With Single Barb Wire Arm, Add	*191.15*	
		For Gate With Double Barb Wire Arm, Add	*278.03*	
32 31 13 13-0543	EA	16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,426.47	146.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-372.27*	
		For 1" Mesh Fabric, Add	*863.68*	
		For 1-1/4" Mesh Fabric, Add	*555.93*	
		For 1-3/4" Mesh Fabric, Add	*345.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-172.74*	
		For Gate With Single Barb Wire Arm, Add	*218.40*	
		For Gate With Double Barb Wire Arm, Add	*317.67*	
32 31 13 13-0544	EA	18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	2,715.16	161.64
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-418.11*	
		For 1" Mesh Fabric, Add	*970.02*	
		For 1-1/4" Mesh Fabric, Add	*624.38*	
		For 1-3/4" Mesh Fabric, Add	*388.01*	
		For 2-1/8" Mesh Fabric, Deduct	*-194.00*	
		For Gate With Single Barb Wire Arm, Add	*245.29*	
		For Gate With Double Barb Wire Arm, Add	*356.79*	
32 31 13 13-0545	EA	20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,016.40	179.45
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-464.57*	
		For 1" Mesh Fabric, Add	*1,077.80*	
		For 1-1/4" Mesh Fabric, Add	*693.76*	
		For 1-3/4" Mesh Fabric, Add	*431.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-215.56*	
		For Gate With Single Barb Wire Arm, Add	*272.55*	
		For Gate With Double Barb Wire Arm, Add	*396.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0546	EA	22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,332.01	201.93
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-511.03*	
		For 1" Mesh Fabric, Add	*1,185.58*	
		For 1-1/4" Mesh Fabric, Add	*763.13*	
		For 1-3/4" Mesh Fabric, Add	*474.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-237.12*	
		For Gate With Single Barb Wire Arm, Add	*299.80*	
		For Gate With Double Barb Wire Arm, Add	*436.08*	
32 31 13 13-0547	EA	24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	3,665.99	230.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-557.48*	
		For 1" Mesh Fabric, Add	*1,293.36*	
		For 1-1/4" Mesh Fabric, Add	*832.51*	
		For 1-3/4" Mesh Fabric, Add	*517.34*	
		For 2-1/8" Mesh Fabric, Deduct	*-258.67*	
		For Gate With Single Barb Wire Arm, Add	*327.06*	
		For Gate With Double Barb Wire Arm, Add	*475.72*	
32 31 13 13-0548	EA	26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,037.98	269.35
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-605.49*	
		For 1" Mesh Fabric, Add	*1,404.73*	
		For 1-1/4" Mesh Fabric, Add	*904.20*	
		For 1-3/4" Mesh Fabric, Add	*561.89*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.95*	
		For Gate With Single Barb Wire Arm, Add	*355.22*	
		For Gate With Double Barb Wire Arm, Add	*516.68*	
32 31 13 13-0549	EA	28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,446.63	322.90
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-651.95*	
		For 1" Mesh Fabric, Add	*1,512.51*	
		For 1-1/4" Mesh Fabric, Add	*973.57*	
		For 1-3/4" Mesh Fabric, Add	*605.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-302.50*	
		For Gate With Single Barb Wire Arm, Add	*382.47*	
		For Gate With Double Barb Wire Arm, Add	*556.33*	
32 31 13 13-0550	EA	30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm	4,937.88	403.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	*-698.40*	
		For 1" Mesh Fabric, Add	*1,620.29*	
		For 1-1/4" Mesh Fabric, Add	*1,042.95*	
		For 1-3/4" Mesh Fabric, Add	*648.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-324.06*	
		For Gate With Single Barb Wire Arm, Add	*409.73*	
		For Gate With Double Barb Wire Arm, Add	*595.97*	

32 31 13 13-0551 Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0268)*

Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0647 for additonal gate accessories, 32 31 13 13-0743 for gate repacement parts.

32 31 13 13-0552 4' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*

32 31 13 13-0553	EA	10' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,255.41	398.69
		For 1" Mesh Fabric, Add	*1,069.22*	
		For 1-1/4" Mesh Fabric, Add	*688.23*	
		For 1-3/4" Mesh Fabric, Add	*427.69*	
		For 2-1/8" Mesh Fabric, Deduct	*-213.84*	
		For Gate With Barb Wire Arm, Add	*270.38*	
		For Vinyl Coated, Add	*737.39*	
32 31 13 13-0554	EA	12' Long x 4' High Chain Link Galvanized Steel Sliding Gate	3,912.15	481.35
		For 1" Mesh Fabric, Add	*1,283.07*	
		For 1-1/4" Mesh Fabric, Add	*825.88*	
		For 1-3/4" Mesh Fabric, Add	*513.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-256.61*	
		For Gate With Barb Wire Arm, Add	*324.45*	
		For Vinyl Coated, Add	*884.87*	
32 31 13 13-0555	EA	14' Long x 4' High Chain Link Galvanized Steel Sliding Gate	4,564.39	561.55
		For 1" Mesh Fabric, Add	*1,496.91*	
		For 1-1/4" Mesh Fabric, Add	*963.53*	
		For 1-3/4" Mesh Fabric, Add	*598.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-299.38*	
		For Gate With Barb Wire Arm, Add	*378.53*	
		For Vinyl Coated, Add	*1,032.35*	
32 31 13 13-0556	EA	16' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,223.62	645.44
		For 1" Mesh Fabric, Add	*1,710.76*	
		For 1-1/4" Mesh Fabric, Add	*1,101.18*	
		For 1-3/4" Mesh Fabric, Add	*684.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-342.15*	
		For Gate With Barb Wire Arm, Add	*432.61*	
		For Vinyl Coated, Add	*1,179.83*	
32 31 13 13-0557	EA	18' Long x 4' High Chain Link Galvanized Steel Sliding Gate	5,876.62	726.13
		For 1" Mesh Fabric, Add	*1,924.61*	
		For 1-1/4" Mesh Fabric, Add	*1,238.83*	
		For 1-3/4" Mesh Fabric, Add	*769.84*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.92*	
		For Gate With Barb Wire Arm, Add	*486.68*	
		For Vinyl Coated, Add	*1,327.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0558	EA	20' Long x 4' High Chain Link Galvanized Steel Sliding Gate	6,514.73	799.33
		For 1" Mesh Fabric, Add	*2,138.45*	
		For 1-1/4" Mesh Fabric, Add	*1,376.47*	
		For 1-3/4" Mesh Fabric, Add	*855.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-427.69*	
		For Gate With Barb Wire Arm, Add	*540.76*	
		For Vinyl Coated, Add	*1,474.79*	
32 31 13 13-0559	EA	24' Long x 4' High Chain Link Galvanized Steel Sliding Gate	7,781.01	962.57
		For 1" Mesh Fabric, Add	*2,547.31*	
		For 1-1/4" Mesh Fabric, Add	*1,639.65*	
		For 1-3/4" Mesh Fabric, Add	*1,018.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-509.46*	
		For Gate With Barb Wire Arm, Add	*644.15*	
		For Vinyl Coated, Add	*1,756.76*	
32 31 13 13-0560	EA	30' Long x 4' High Chain Link Galvanized Steel Sliding Gate	11,007.80	1,816.93
		For 1" Mesh Fabric, Add	*3,207.67*	
		For 1-1/4" Mesh Fabric, Add	*2,064.71*	
		For 1-3/4" Mesh Fabric, Add	*1,283.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-641.53*	
		For Gate With Barb Wire Arm, Add	*811.14*	
		For Vinyl Coated, Add	*2,212.19*	
32 31 13 13-0561	EA	40' Long x 4' High Chain Link Galvanized Steel Sliding Gate	14,677.06	2,422.57
		For 1" Mesh Fabric, Add	*4,276.89*	
		For 1-1/4" Mesh Fabric, Add	*2,752.94*	
		For 1-3/4" Mesh Fabric, Add	*1,710.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-855.38*	
		For Gate With Barb Wire Arm, Add	*1,081.51*	
		For Vinyl Coated, Add	*2,949.58*	
32 31 13 13-0562		**5' High Chain Link Galvanized Steel Sliding Gate** *(32 31 13 13-0551)*		
32 31 13 13-0563	EA	10' Long x 5' High Chain Link Galvanized Steel Sliding Gate	3,398.08	433.94
		For 1" Mesh Fabric, Add	*1,100.65*	
		For 1-1/4" Mesh Fabric, Add	*708.46*	
		For 1-3/4" Mesh Fabric, Add	*440.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-220.13*	
		For Gate With Barb Wire Arm, Add	*278.32*	
		For Vinyl Coated, Add	*759.07*	
32 31 13 13-0564	EA	12' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,076.49	520.15
		For 1" Mesh Fabric, Add	*1,320.78*	
		For 1-1/4" Mesh Fabric, Add	*850.16*	
		For 1-3/4" Mesh Fabric, Add	*528.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-264.16*	
		For Gate With Barb Wire Arm, Add	*333.99*	
		For Vinyl Coated, Add	*910.88*	
32 31 13 13-0565	EA	14' Long x 5' High Chain Link Galvanized Steel Sliding Gate	4,755.70	606.75
		For 1" Mesh Fabric, Add	*1,540.91*	
		For 1-1/4" Mesh Fabric, Add	*991.85*	
		For 1-3/4" Mesh Fabric, Add	*616.36*	
		For 2-1/8" Mesh Fabric, Deduct	*-308.18*	
		For Gate With Barb Wire Arm, Add	*389.66*	
		For Vinyl Coated, Add	*1,062.70*	
32 31 13 13-0566	EA	16' Long x 5' High Chain Link Galvanized Steel Sliding Gate	5,435.43	693.58
		For 1" Mesh Fabric, Add	*1,761.04*	
		For 1-1/4" Mesh Fabric, Add	*1,133.54*	
		For 1-3/4" Mesh Fabric, Add	*704.42*	
		For 2-1/8" Mesh Fabric, Deduct	*-352.21*	
		For Gate With Barb Wire Arm, Add	*445.32*	
		For Vinyl Coated, Add	*1,214.51*	
32 31 13 13-0567	EA	18' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,114.57	780.05
		For 1" Mesh Fabric, Add	*1,981.16*	
		For 1-1/4" Mesh Fabric, Add	*1,275.23*	
		For 1-3/4" Mesh Fabric, Add	*792.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-396.23*	
		For Gate With Barb Wire Arm, Add	*500.98*	
		For Vinyl Coated, Add	*1,366.32*	
32 31 13 13-0568	EA	20' Long x 5' High Chain Link Galvanized Steel Sliding Gate	6,794.01	866.77
		For 1" Mesh Fabric, Add	*2,201.29*	
		For 1-1/4" Mesh Fabric, Add	*1,416.92*	
		For 1-3/4" Mesh Fabric, Add	*880.52*	
		For 2-1/8" Mesh Fabric, Deduct	*-440.26*	
		For Gate With Barb Wire Arm, Add	*556.65*	
		For Vinyl Coated, Add	*1,518.13*	
32 31 13 13-0569	EA	24' Long x 5' High Chain Link Galvanized Steel Sliding Gate	8,110.63	1,041.30
		For 1" Mesh Fabric, Add	*2,622.18*	
		For 1-1/4" Mesh Fabric, Add	*1,687.84*	
		For 1-3/4" Mesh Fabric, Add	*1,048.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-524.44*	
		For Gate With Barb Wire Arm, Add	*663.08*	
		For Vinyl Coated, Add	*1,808.40*	
32 31 13 13-0570	EA	30' Long x 5' High Chain Link Galvanized Steel Sliding Gate	10,191.49	1,300.45
		For 1" Mesh Fabric, Add	*3,301.94*	
		For 1-1/4" Mesh Fabric, Add	*2,125.39*	
		For 1-3/4" Mesh Fabric, Add	*1,320.78*	
		For 2-1/8" Mesh Fabric, Deduct	*-660.39*	
		For Gate With Barb Wire Arm, Add	*834.97*	
		For Vinyl Coated, Add	*2,277.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0571	EA	40' Long x 5' High Chain Link Galvanized Steel Sliding Gate	13,588.04	1,733.53
		For 1" Mesh Fabric, Add	*4,402.59*	
		For 1-1/4" Mesh Fabric, Add	*2,833.85*	
		For 1-3/4" Mesh Fabric, Add	*1,761.03*	
		For 2-1/8" Mesh Fabric, Deduct	*-880.52*	
		For Gate With Barb Wire Arm, Add	*1,113.30*	
		For Vinyl Coated, Add	*3,036.27*	
32 31 13 13-0572		6' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*		
32 31 13 13-0573	EA	10' Long x 6' High Chain Link Galvanized Steel Sliding Gate	3,598.18	508.74
		For 1" Mesh Fabric, Add	*1,122.64*	
		For 1-1/4" Mesh Fabric, Add	*722.62*	
		For 1-3/4" Mesh Fabric, Add	*449.06*	
		For 2-1/8" Mesh Fabric, Deduct	*-224.53*	
		For Gate With Barb Wire Arm, Add	*283.89*	
		For Vinyl Coated, Add	*774.24*	
32 31 13 13-0574	EA	12' Long x 6' High Chain Link Galvanized Steel Sliding Gate	4,314.23	608.59
		For 1" Mesh Fabric, Add	*1,347.17*	
		For 1-1/4" Mesh Fabric, Add	*867.15*	
		For 1-3/4" Mesh Fabric, Add	*538.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-269.43*	
		For Gate With Barb Wire Arm, Add	*340.66*	
		For Vinyl Coated, Add	*929.09*	
32 31 13 13-0575	EA	14' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,033.04	709.92
		For 1" Mesh Fabric, Add	*1,571.70*	
		For 1-1/4" Mesh Fabric, Add	*1,011.67*	
		For 1-3/4" Mesh Fabric, Add	*628.68*	
		For 2-1/8" Mesh Fabric, Deduct	*-314.34*	
		For Gate With Barb Wire Arm, Add	*397.44*	
		For Vinyl Coated, Add	*1,083.93*	
32 31 13 13-0576	EA	16' Long x 6' High Chain Link Galvanized Steel Sliding Gate	5,752.31	811.50
		For 1" Mesh Fabric, Add	*1,796.23*	
		For 1-1/4" Mesh Fabric, Add	*1,156.20*	
		For 1-3/4" Mesh Fabric, Add	*718.49*	
		For 2-1/8" Mesh Fabric, Deduct	*-359.25*	
		For Gate With Barb Wire Arm, Add	*454.22*	
		For Vinyl Coated, Add	*1,238.78*	
32 31 13 13-0577	EA	18' Long x 6' High Chain Link Galvanized Steel Sliding Gate	6,471.13	912.82
		For 1" Mesh Fabric, Add	*2,020.76*	
		For 1-1/4" Mesh Fabric, Add	*1,300.72*	
		For 1-3/4" Mesh Fabric, Add	*808.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-404.15*	
		For Gate With Barb Wire Arm, Add	*511.00*	
		For Vinyl Coated, Add	*1,393.63*	
32 31 13 13-0578	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate	7,196.78	1,017.59
		For 1" Mesh Fabric, Add	*2,245.29*	
		For 1-1/4" Mesh Fabric, Add	*1,445.25*	
		For 1-3/4" Mesh Fabric, Add	*898.12*	
		For 2-1/8" Mesh Fabric, Deduct	*-449.06*	
		For Gate With Barb Wire Arm, Add	*567.77*	
		For Vinyl Coated, Add	*1,548.48*	
32 31 13 13-0579	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate	8,583.04	1,217.30
		For 1" Mesh Fabric, Add	*2,674.58*	
		For 1-1/4" Mesh Fabric, Add	*1,721.57*	
		For 1-3/4" Mesh Fabric, Add	*1,069.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-534.92*	
		For Gate With Barb Wire Arm, Add	*676.33*	
		For Vinyl Coated, Add	*1,844.54*	
32 31 13 13-0580	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate	10,786.33	1,522.03
		For 1" Mesh Fabric, Add	*3,367.94*	
		For 1-1/4" Mesh Fabric, Add	*2,167.87*	
		For 1-3/4" Mesh Fabric, Add	*1,347.17*	
		For 2-1/8" Mesh Fabric, Deduct	*-673.59*	
		For Gate With Barb Wire Arm, Add	*851.66*	
		For Vinyl Coated, Add	*2,322.71*	
32 31 13 13-0581	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate	14,380.11	2,028.43
		For 1" Mesh Fabric, Add	*4,490.58*	
		For 1-1/4" Mesh Fabric, Add	*2,890.49*	
		For 1-3/4" Mesh Fabric, Add	*1,796.23*	
		For 2-1/8" Mesh Fabric, Deduct	*-898.12*	
		For Gate With Barb Wire Arm, Add	*1,135.55*	
		For Vinyl Coated, Add	*3,096.95*	
32 31 13 13-0582		7' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*		
32 31 13 13-0583	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate	3,816.82	567.44
		For 1" Mesh Fabric, Add	*1,166.64*	
		For 1-1/4" Mesh Fabric, Add	*750.94*	
		For 1-3/4" Mesh Fabric, Add	*466.66*	
		For 2-1/8" Mesh Fabric, Deduct	*-233.33*	
		For Gate With Barb Wire Arm, Add	*295.01*	
		For Vinyl Coated, Add	*804.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0584	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate	4,579.34	680.44
		For 1" Mesh Fabric, Add	*1,400.01*	
		For 1-1/4" Mesh Fabric, Add	*901.15*	
		For 1-3/4" Mesh Fabric, Add	*560.00*	
		For 2-1/8" Mesh Fabric, Deduct	*-280.00*	
		For Gate With Barb Wire Arm, Add	*354.03*	
		For Vinyl Coated, Add	*965.52*	
32 31 13 13-0585	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate	5,343.62	794.43
		For 1" Mesh Fabric, Add	*1,633.29*	
		For 1-1/4" Mesh Fabric, Add	*1,051.31*	
		For 1-3/4" Mesh Fabric, Add	*653.32*	
		For 2-1/8" Mesh Fabric, Deduct	*-326.66*	
		For Gate With Barb Wire Arm, Add	*413.02*	
		For Vinyl Coated, Add	*1,126.41*	
32 31 13 13-0586	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,105.99	907.43
		For 1" Mesh Fabric, Add	*1,866.62*	
		For 1-1/4" Mesh Fabric, Add	*1,201.51*	
		For 1-3/4" Mesh Fabric, Add	*746.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-373.32*	
		For Gate With Barb Wire Arm, Add	*472.02*	
		For Vinyl Coated, Add	*1,287.33*	
32 31 13 13-0587	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate	6,869.43	1,021.03
		For 1" Mesh Fabric, Add	*2,099.95*	
		For 1-1/4" Mesh Fabric, Add	*1,351.69*	
		For 1-3/4" Mesh Fabric, Add	*839.98*	
		For 2-1/8" Mesh Fabric, Deduct	*-419.99*	
		For Gate With Barb Wire Arm, Add	*531.02*	
		For Vinyl Coated, Add	*1,448.24*	
32 31 13 13-0588	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate	7,632.09	1,134.15
		For 1" Mesh Fabric, Add	*2,333.28*	
		For 1-1/4" Mesh Fabric, Add	*1,501.88*	
		For 1-3/4" Mesh Fabric, Add	*933.31*	
		For 2-1/8" Mesh Fabric, Deduct	*-466.66*	
		For Gate With Barb Wire Arm, Add	*590.03*	
		For Vinyl Coated, Add	*1,609.16*	
32 31 13 13-0589	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate	9,111.27	1,360.89
		For 1" Mesh Fabric, Add	*2,779.40*	
		For 1-1/4" Mesh Fabric, Add	*1,789.04*	
		For 1-3/4" Mesh Fabric, Add	*1,111.76*	
		For 2-1/8" Mesh Fabric, Deduct	*-555.88*	
		For Gate With Barb Wire Arm, Add	*702.84*	
		For Vinyl Coated, Add	*1,916.83*	
32 31 13 13-0590	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate	11,448.10	1,701.11
		For 1" Mesh Fabric, Add	*3,499.91*	
		For 1-1/4" Mesh Fabric, Add	*2,252.82*	
		For 1-3/4" Mesh Fabric, Add	*1,399.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-699.98*	
		For Gate With Barb Wire Arm, Add	*885.04*	
		For Vinyl Coated, Add	*2,413.73*	
32 31 13 13-0591	EA	40' Long x 7' High Chain Link Galvanized Steel Sliding Gate	15,264.14	2,268.18
		For 1" Mesh Fabric, Add	*4,666.56*	
		For 1-1/4" Mesh Fabric, Add	*3,003.76*	
		For 1-3/4" Mesh Fabric, Add	*1,866.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-933.31*	
		For Gate With Barb Wire Arm, Add	*1,180.05*	
		For Vinyl Coated, Add	*3,218.32*	
32 31 13 13-0592		8' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*		
32 31 13 13-0593	EA	10' Long x 8' High Chain Link Galvanized Steel Sliding Gate	3,990.87	614.73
		For 1" Mesh Fabric, Add	*1,201.21*	
		For 1-1/4" Mesh Fabric, Add	*773.19*	
		For 1-3/4" Mesh Fabric, Add	*480.48*	
		For 2-1/8" Mesh Fabric, Deduct	*-240.24*	
		For Gate With Barb Wire Arm, Add	*303.75*	
		For Vinyl Coated, Add	*828.42*	
32 31 13 13-0594	EA	12' Long x 8' High Chain Link Galvanized Steel Sliding Gate	4,785.51	735.96
		For 1" Mesh Fabric, Add	*1,441.45*	
		For 1-1/4" Mesh Fabric, Add	*927.83*	
		For 1-3/4" Mesh Fabric, Add	*576.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-288.29*	
		For Gate With Barb Wire Arm, Add	*364.50*	
		For Vinyl Coated, Add	*994.10*	
32 31 13 13-0595	EA	14' Long x 8' High Chain Link Galvanized Steel Sliding Gate	5,583.15	858.66
		For 1" Mesh Fabric, Add	*1,681.68*	
		For 1-1/4" Mesh Fabric, Add	*1,082.46*	
		For 1-3/4" Mesh Fabric, Add	*672.67*	
		For 2-1/8" Mesh Fabric, Deduct	*-336.34*	
		For Gate With Barb Wire Arm, Add	*425.25*	
		For Vinyl Coated, Add	*1,159.78*	
32 31 13 13-0596	EA	16' Long x 8' High Chain Link Galvanized Steel Sliding Gate	6,381.04	981.37
		For 1" Mesh Fabric, Add	*1,921.93*	
		For 1-1/4" Mesh Fabric, Add	*1,237.10*	
		For 1-3/4" Mesh Fabric, Add	*768.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-384.39*	
		For Gate With Barb Wire Arm, Add	*486.00*	
		For Vinyl Coated, Add	*1,325.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0597	EA	18' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,177.57	1,103.57
		For 1" Mesh Fabric, Add	*2,162.17*	
		For 1-1/4" Mesh Fabric, Add	*1,391.74*	
		For 1-3/4" Mesh Fabric, Add	*864.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-432.43*	
		For Gate With Barb Wire Arm, Add	*546.76*	
		For Vinyl Coated, Add	*1,491.15*	
32 31 13 13-0598	EA	20' Long x 8' High Chain Link Galvanized Steel Sliding Gate	7,975.57	1,226.39
		For 1" Mesh Fabric, Add	*2,402.41*	
		For 1-1/4" Mesh Fabric, Add	*1,546.38*	
		For 1-3/4" Mesh Fabric, Add	*960.96*	
		For 2-1/8" Mesh Fabric, Deduct	*-480.48*	
		For Gate With Barb Wire Arm, Add	*607.51*	
		For Vinyl Coated, Add	*1,656.83*	
32 31 13 13-0599	EA	24' Long x 8' High Chain Link Galvanized Steel Sliding Gate	9,522.38	1,471.79
		For 1" Mesh Fabric, Add	*2,861.75*	
		For 1-1/4" Mesh Fabric, Add	*1,842.04*	
		For 1-3/4" Mesh Fabric, Add	*1,144.70*	
		For 2-1/8" Mesh Fabric, Deduct	*-572.35*	
		For Gate With Barb Wire Arm, Add	*723.66*	
		For Vinyl Coated, Add	*1,973.62*	
32 31 13 13-0600	EA	30' Long x 8' High Chain Link Galvanized Steel Sliding Gate	11,964.30	1,840.02
		For 1" Mesh Fabric, Add	*3,603.62*	
		For 1-1/4" Mesh Fabric, Add	*2,319.57*	
		For 1-3/4" Mesh Fabric, Add	*1,441.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-720.72*	
		For Gate With Barb Wire Arm, Add	*911.26*	
		For Vinyl Coated, Add	*2,485.26*	
32 31 13 13-0601	EA	40' Long x 8' High Chain Link Galvanized Steel Sliding Gate	15,948.71	2,451.56
		For 1" Mesh Fabric, Add	*4,804.82*	
		For 1-1/4" Mesh Fabric, Add	*3,092.76*	
		For 1-3/4" Mesh Fabric, Add	*1,921.93*	
		For 2-1/8" Mesh Fabric, Deduct	*-960.96*	
		For Gate With Barb Wire Arm, Add	*1,215.01*	
		For Vinyl Coated, Add	*3,313.67*	
32 31 13 13-0602		9' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*		
32 31 13 13-0603	EA	10' Long x 9' High Chain Link Galvanized Steel Sliding Gate	4,196.54	670.62
		For 1" Mesh Fabric, Add	*1,242.06*	
		For 1-1/4" Mesh Fabric, Add	*799.48*	
		For 1-3/4" Mesh Fabric, Add	*496.82*	
		For 2-1/8" Mesh Fabric, Deduct	*-248.41*	
		For Gate With Barb Wire Arm, Add	*314.08*	
		For Vinyl Coated, Add	*856.59*	
32 31 13 13-0604	EA	12' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,030.86	802.29
		For 1" Mesh Fabric, Add	*1,490.47*	
		For 1-1/4" Mesh Fabric, Add	*959.38*	
		For 1-3/4" Mesh Fabric, Add	*596.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-298.09*	
		For Gate With Barb Wire Arm, Add	*376.90*	
		For Vinyl Coated, Add	*1,027.91*	
32 31 13 13-0605	EA	14' Long x 9' High Chain Link Galvanized Steel Sliding Gate	5,869.04	935.79
		For 1" Mesh Fabric, Add	*1,738.89*	
		For 1-1/4" Mesh Fabric, Add	*1,119.28*	
		For 1-3/4" Mesh Fabric, Add	*695.55*	
		For 2-1/8" Mesh Fabric, Deduct	*-347.78*	
		For Gate With Barb Wire Arm, Add	*439.72*	
		For Vinyl Coated, Add	*1,199.23*	
32 31 13 13-0606	EA	16' Long x 9' High Chain Link Galvanized Steel Sliding Gate	6,708.27	1,069.91
		For 1" Mesh Fabric, Add	*1,987.29*	
		For 1-1/4" Mesh Fabric, Add	*1,279.17*	
		For 1-3/4" Mesh Fabric, Add	*794.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-397.46*	
		For Gate With Barb Wire Arm, Add	*502.53*	
		For Vinyl Coated, Add	*1,370.54*	
32 31 13 13-0607	EA	18' Long x 9' High Chain Link Galvanized Steel Sliding Gate	7,546.68	1,203.55
		For 1" Mesh Fabric, Add	*2,235.70*	
		For 1-1/4" Mesh Fabric, Add	*1,439.07*	
		For 1-3/4" Mesh Fabric, Add	*894.28*	
		For 2-1/8" Mesh Fabric, Deduct	*-447.14*	
		For Gate With Barb Wire Arm, Add	*565.35*	
		For Vinyl Coated, Add	*1,541.87*	
32 31 13 13-0608	EA	20' Long x 9' High Chain Link Galvanized Steel Sliding Gate	8,385.06	1,337.18
		For 1" Mesh Fabric, Add	*2,484.12*	
		For 1-1/4" Mesh Fabric, Add	*1,598.97*	
		For 1-3/4" Mesh Fabric, Add	*993.65*	
		For 2-1/8" Mesh Fabric, Deduct	*-496.82*	
		For Gate With Barb Wire Arm, Add	*628.17*	
		For Vinyl Coated, Add	*1,713.19*	
32 31 13 13-0609	EA	24' Long x 9' High Chain Link Galvanized Steel Sliding Gate	10,011.44	1,604.44
		For 1" Mesh Fabric, Add	*2,959.07*	
		For 1-1/4" Mesh Fabric, Add	*1,904.69*	
		For 1-3/4" Mesh Fabric, Add	*1,183.63*	
		For 2-1/8" Mesh Fabric, Deduct	*-591.81*	
		For Gate With Barb Wire Arm, Add	*748.27*	
		For Vinyl Coated, Add	*2,040.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0610	EA	30' Long x 9' High Chain Link Galvanized Steel Sliding Gate	12,576.49	2,005.34
		For 1" Mesh Fabric, Add	*3,726.18*	
		For 1-1/4" Mesh Fabric, Add	*2,398.46*	
		For 1-3/4" Mesh Fabric, Add	*1,490.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-745.24*	
		For Gate With Barb Wire Arm, Add	*942.25*	
		For Vinyl Coated, Add	*2,569.78*	
32 31 13 13-0611	EA	40' Long x 9' High Chain Link Galvanized Steel Sliding Gate	16,773.04	2,675.96
		For 1" Mesh Fabric, Add	*4,968.24*	
		For 1-1/4" Mesh Fabric, Add	*3,197.95*	
		For 1-3/4" Mesh Fabric, Add	*1,987.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-993.65*	
		For Gate With Barb Wire Arm, Add	*1,256.34*	
		For Vinyl Coated, Add	*3,426.37*	
32 31 13 13-0612		10' High Chain Link Galvanized Steel Sliding Gate *(32 31 13 13-0551)*		
32 31 13 13-0613	EA	10' Long x 10' High Chain Link Galvanized Steel Sliding Gate	4,453.47	737.68
		For 1" Mesh Fabric, Add	*1,295.48*	
		For 1-1/4" Mesh Fabric, Add	*833.87*	
		For 1-3/4" Mesh Fabric, Add	*518.19*	
		For 2-1/8" Mesh Fabric, Deduct	*-259.10*	
		For Gate With Barb Wire Arm, Add	*327.59*	
		For Vinyl Coated, Add	*893.43*	
32 31 13 13-0614	EA	12' Long x 10' High Chain Link Galvanized Steel Sliding Gate	5,344.17	885.19
		For 1" Mesh Fabric, Add	*1,554.58*	
		For 1-1/4" Mesh Fabric, Add	*1,000.65*	
		For 1-3/4" Mesh Fabric, Add	*621.83*	
		For 2-1/8" Mesh Fabric, Deduct	*-310.92*	
		For Gate With Barb Wire Arm, Add	*393.11*	
		For Vinyl Coated, Add	*1,072.12*	
32 31 13 13-0615	EA	14' Long x 10' High Chain Link Galvanized Steel Sliding Gate	6,235.37	1,032.95
		For 1" Mesh Fabric, Add	*1,813.68*	
		For 1-1/4" Mesh Fabric, Add	*1,167.42*	
		For 1-3/4" Mesh Fabric, Add	*725.47*	
		For 2-1/8" Mesh Fabric, Deduct	*-362.74*	
		For Gate With Barb Wire Arm, Add	*458.63*	
		For Vinyl Coated, Add	*1,250.81*	
32 31 13 13-0616	EA	16' Long x 10' High Chain Link Galvanized Steel Sliding Gate	7,125.85	1,180.46
		For 1" Mesh Fabric, Add	*2,072.77*	
		For 1-1/4" Mesh Fabric, Add	*1,334.20*	
		For 1-3/4" Mesh Fabric, Add	*829.11*	
		For 2-1/8" Mesh Fabric, Deduct	*-414.55*	
		For Gate With Barb Wire Arm, Add	*524.15*	
		For Vinyl Coated, Add	*1,429.50*	
32 31 13 13-0617	EA	18' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,016.25	1,327.85
		For 1" Mesh Fabric, Add	*2,331.86*	
		For 1-1/4" Mesh Fabric, Add	*1,500.97*	
		For 1-3/4" Mesh Fabric, Add	*932.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-466.37*	
		For Gate With Barb Wire Arm, Add	*589.67*	
		For Vinyl Coated, Add	*1,608.18*	
32 31 13 13-0618	EA	20' Long x 10' High Chain Link Galvanized Steel Sliding Gate	8,906.95	1,475.36
		For 1" Mesh Fabric, Add	*2,590.96*	
		For 1-1/4" Mesh Fabric, Add	*1,667.74*	
		For 1-3/4" Mesh Fabric, Add	*1,036.38*	
		For 2-1/8" Mesh Fabric, Deduct	*-518.19*	
		For Gate With Barb Wire Arm, Add	*655.19*	
		For Vinyl Coated, Add	*1,786.87*	
32 31 13 13-0619	EA	24' Long x 10' High Chain Link Galvanized Steel Sliding Gate	10,637.19	1,771.12
		For 1" Mesh Fabric, Add	*3,086.35*	
		For 1-1/4" Mesh Fabric, Add	*1,986.61*	
		For 1-3/4" Mesh Fabric, Add	*1,234.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-617.27*	
		For Gate With Barb Wire Arm, Add	*780.46*	
		For Vinyl Coated, Add	*2,128.52*	
32 31 13 13-0620	EA	30' Long x 10' High Chain Link Galvanized Steel Sliding Gate	13,360.42	2,213.04
		For 1" Mesh Fabric, Add	*3,886.44*	
		For 1-1/4" Mesh Fabric, Add	*2,501.62*	
		For 1-3/4" Mesh Fabric, Add	*1,554.58*	
		For 2-1/8" Mesh Fabric, Deduct	*-777.29*	
		For Gate With Barb Wire Arm, Add	*982.78*	
		For Vinyl Coated, Add	*2,680.30*	
32 31 13 13-0621	EA	40' Long x 10' High Chain Link Galvanized Steel Sliding Gate	17,810.37	2,948.99
		For 1" Mesh Fabric, Add	*5,181.92*	
		For 1-1/4" Mesh Fabric, Add	*3,335.49*	
		For 1-3/4" Mesh Fabric, Add	*2,072.77*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,036.38*	
		For Gate With Barb Wire Arm, Add	*1,310.37*	
		For Vinyl Coated, Add	*3,573.74*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0622		Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller *(32 31 13 13-0268)*		
		Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.		
32 31 13 13-0623	EA	5' High x 10' Wide Galvanized Cantilever Sliding Gate	8,404.15	491.30
		For 1" Mesh Fabric, Add	*3,228.38*	
		For 1-1/4" Mesh Fabric, Add	*2,078.04*	
		For 1-3/4" Mesh Fabric, Add	*1,291.35*	
		For 2-1/8" Mesh Fabric, Deduct	*-645.68*	
		For Gate With Single Barb Wire Arm, Add	*816.37*	
		For Gate With Double Barb Wire Arm, Add	*1,187.45*	
		For Aluminized Steel Gate And Post, Add	*3,562.35*	
		For Powder Coated Gate And Post, Add	*1,558.53*	
		For Vinyl Coated, Add	*2,226.47*	
32 31 13 13-0624	EA	5' High x 12' Wide Galvanized Cantilever Sliding Gate	9,155.01	614.12
		For 1" Mesh Fabric, Add	*3,448.14*	
		For 1-1/4" Mesh Fabric, Add	*2,219.50*	
		For 1-3/4" Mesh Fabric, Add	*1,379.26*	
		For 2-1/8" Mesh Fabric, Deduct	*-689.63*	
		For Gate With Single Barb Wire Arm, Add	*871.94*	
		For Gate With Double Barb Wire Arm, Add	*1,268.28*	
		For Aluminized Steel Gate And Post, Add	*3,804.85*	
		For Powder Coated Gate And Post, Add	*1,664.62*	
		For Vinyl Coated, Add	*2,378.03*	
32 31 13 13-0625	EA	5' High x 15' Wide Galvanized Cantilever Sliding Gate	9,912.81	736.94
		For 1" Mesh Fabric, Add	*3,670.93*	
		For 1-1/4" Mesh Fabric, Add	*2,362.90*	
		For 1-3/4" Mesh Fabric, Add	*1,468.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-734.19*	
		For Gate With Single Barb Wire Arm, Add	*928.28*	
		For Gate With Double Barb Wire Arm, Add	*1,350.23*	
		For Aluminized Steel Gate And Post, Add	*4,050.68*	
		For Powder Coated Gate And Post, Add	*1,772.17*	
		For Vinyl Coated, Add	*2,531.68*	
32 31 13 13-0626	EA	5' High x 20' Wide Galvanized Cantilever Sliding Gate	11,529.28	982.59
		For 1" Mesh Fabric, Add	*4,160.39*	
		For 1-1/4" Mesh Fabric, Add	*2,677.95*	
		For 1-3/4" Mesh Fabric, Add	*1,664.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-832.08*	
		For Gate With Single Barb Wire Arm, Add	*1,052.05*	
		For Gate With Double Barb Wire Arm, Add	*1,530.26*	
		For Aluminized Steel Gate And Post, Add	*4,590.77*	
		For Powder Coated Gate And Post, Add	*2,008.46*	
		For Vinyl Coated, Add	*2,869.23*	
32 31 13 13-0627	EA	6' High x 15' Wide Galvanized Cantilever Sliding Gate	10,656.26	982.59
		For 1" Mesh Fabric, Add	*3,780.62*	
		For 1-1/4" Mesh Fabric, Add	*2,433.51*	
		For 1-3/4" Mesh Fabric, Add	*1,512.25*	
		For 2-1/8" Mesh Fabric, Deduct	*-756.12*	
		For Gate With Single Barb Wire Arm, Add	*956.02*	
		For Gate With Double Barb Wire Arm, Add	*1,390.57*	
		For Aluminized Steel Gate And Post, Add	*4,171.72*	
		For Powder Coated Gate And Post, Add	*1,825.13*	
		For Vinyl Coated, Add	*2,607.33*	
32 31 13 13-0628	EA	6' High x 20' Wide Galvanized Cantilever Sliding Gate	12,367.21	1,289.65
		For 1" Mesh Fabric, Add	*4,257.74*	
		For 1-1/4" Mesh Fabric, Add	*2,740.61*	
		For 1-3/4" Mesh Fabric, Add	*1,703.10*	
		For 2-1/8" Mesh Fabric, Deduct	*-851.55*	
		For Gate With Single Barb Wire Arm, Add	*1,076.67*	
		For Gate With Double Barb Wire Arm, Add	*1,566.07*	
		For Aluminized Steel Gate And Post, Add	*4,698.20*	
		For Powder Coated Gate And Post, Add	*2,055.46*	
		For Vinyl Coated, Add	*2,936.37*	
32 31 13 13-0629	EA	6' High x 25' Wide Galvanized Cantilever Sliding Gate	16,496.57	1,596.71
		For 1" Mesh Fabric, Add	*5,786.87*	
		For 1-1/4" Mesh Fabric, Add	*3,724.88*	
		For 1-3/4" Mesh Fabric, Add	*2,314.75*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,157.37*	
		For Gate With Single Barb Wire Arm, Add	*1,463.35*	
		For Gate With Double Barb Wire Arm, Add	*2,128.50*	
		For Aluminized Steel Gate And Post, Add	*6,385.51*	
		For Powder Coated Gate And Post, Add	*2,793.66*	
		For Vinyl Coated, Add	*3,990.95*	
32 31 13 13-0630	EA	6' High x 30' Wide Galvanized Cantilever Sliding Gate	18,489.23	1,903.77
		For 1" Mesh Fabric, Add	*6,386.54*	
		For 1-1/4" Mesh Fabric, Add	*4,110.87*	
		For 1-3/4" Mesh Fabric, Add	*2,554.61*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,277.31*	
		For Gate With Single Barb Wire Arm, Add	*1,614.99*	
		For Gate With Double Barb Wire Arm, Add	*2,349.07*	
		For Aluminized Steel Gate And Post, Add	*7,047.21*	
		For Powder Coated Gate And Post, Add	*3,083.15*	
		For Vinyl Coated, Add	*4,404.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0631	EA	6' High x 36' Wide Galvanized Cantilever Sliding Gate	21,794.04	2,088.00
		For 1" Mesh Fabric, Add	*7,663.84*	
		For 1-1/4" Mesh Fabric, Add	*4,933.05*	
		For 1-3/4" Mesh Fabric, Add	*3,065.54*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,532.77*	
		For Gate With Single Barb Wire Arm, Add	*1,937.98*	
		For Gate With Double Barb Wire Arm, Add	*2,818.88*	
		For Aluminized Steel Gate And Post, Add	*8,456.65*	
		For Powder Coated Gate And Post, Add	*3,699.79*	
		For Vinyl Coated, Add	*5,285.41*	
32 31 13 13-0632	EA	8' High x 15' Wide Galvanized Cantilever Sliding Gate	12,400.02	1,228.24
		For 1" Mesh Fabric, Add	*4,325.44*	
		For 1-1/4" Mesh Fabric, Add	*2,784.19*	
		For 1-3/4" Mesh Fabric, Add	*1,730.18*	
		For 2-1/8" Mesh Fabric, Deduct	*-865.09*	
		For Gate With Single Barb Wire Arm, Add	*1,093.79*	
		For Gate With Double Barb Wire Arm, Add	*1,590.97*	
		For Aluminized Steel Gate And Post, Add	*4,772.90*	
		For Powder Coated Gate And Post, Add	*2,088.15*	
		For Vinyl Coated, Add	*2,983.07*	
32 31 13 13-0633	EA	8' High x 20' Wide Galvanized Cantilever Sliding Gate	14,512.79	1,658.12
		For 1" Mesh Fabric, Add	*4,870.50*	
		For 1-1/4" Mesh Fabric, Add	*3,135.03*	
		For 1-3/4" Mesh Fabric, Add	*1,948.20*	
		For 2-1/8" Mesh Fabric, Deduct	*-974.10*	
		For Gate With Single Barb Wire Arm, Add	*1,231.62*	
		For Gate With Double Barb Wire Arm, Add	*1,791.45*	
		For Aluminized Steel Gate And Post, Add	*5,374.34*	
		For Powder Coated Gate And Post, Add	*2,351.28*	
		For Vinyl Coated, Add	*3,358.97*	
32 31 13 13-0634	EA	8' High x 25' Wide Galvanized Cantilever Sliding Gate	19,393.64	2,088.00
		For 1" Mesh Fabric, Add	*6,619.67*	
		For 1-1/4" Mesh Fabric, Add	*4,260.94*	
		For 1-3/4" Mesh Fabric, Add	*2,647.87*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,323.93*	
		For Gate With Single Barb Wire Arm, Add	*1,673.94*	
		For Gate With Double Barb Wire Arm, Add	*2,434.82*	
		For Aluminized Steel Gate And Post, Add	*7,304.46*	
		For Powder Coated Gate And Post, Add	*3,195.70*	
		For Vinyl Coated, Add	*4,565.29*	
32 31 13 13-0635	EA	8' High x 30' Wide Galvanized Cantilever Sliding Gate	21,705.57	2,456.47
		For 1" Mesh Fabric, Add	*7,304.79*	
		For 1-1/4" Mesh Fabric, Add	*4,701.94*	
		For 1-3/4" Mesh Fabric, Add	*2,921.92*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,460.96*	
		For Gate With Single Barb Wire Arm, Add	*1,847.19*	
		For Gate With Double Barb Wire Arm, Add	*2,686.82*	
		For Aluminized Steel Gate And Post, Add	*8,060.46*	
		For Powder Coated Gate And Post, Add	*3,526.45*	
		For Vinyl Coated, Add	*5,037.79*	
32 31 13 13-0636	EA	8' High x 36' Wide Galvanized Cantilever Sliding Gate	25,555.40	2,702.12
		For 1" Mesh Fabric, Add	*8,765.75*	
		For 1-1/4" Mesh Fabric, Add	*5,642.32*	
		For 1-3/4" Mesh Fabric, Add	*3,506.30*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,753.15*	
		For Gate With Single Barb Wire Arm, Add	*2,216.63*	
		For Gate With Double Barb Wire Arm, Add	*3,224.19*	
		For Aluminized Steel Gate And Post, Add	*9,672.56*	
		For Powder Coated Gate And Post, Add	*4,231.74*	
		For Vinyl Coated, Add	*6,045.35*	
32 31 13 13-0637	EA	10' High x 15' Wide Galvanized Cantilever Sliding Gate	14,134.26	1,473.89
		For 1" Mesh Fabric, Add	*4,866.12*	
		For 1-1/4" Mesh Fabric, Add	*3,132.22*	
		For 1-3/4" Mesh Fabric, Add	*1,946.45*	
		For 2-1/8" Mesh Fabric, Deduct	*-973.22*	
		For Gate With Single Barb Wire Arm, Add	*1,230.51*	
		For Gate With Double Barb Wire Arm, Add	*1,789.84*	
		For Aluminized Steel Gate And Post, Add	*5,369.52*	
		For Powder Coated Gate And Post, Add	*2,349.16*	
		For Vinyl Coated, Add	*3,355.95*	
32 31 13 13-0638	EA	10' High x 20' Wide Galvanized Cantilever Sliding Gate	16,263.70	1,903.77
		For 1" Mesh Fabric, Add	*5,418.43*	
		For 1-1/4" Mesh Fabric, Add	*3,487.72*	
		For 1-3/4" Mesh Fabric, Add	*2,167.37*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,083.69*	
		For Gate With Single Barb Wire Arm, Add	*1,370.18*	
		For Gate With Double Barb Wire Arm, Add	*1,992.99*	
		For Aluminized Steel Gate And Post, Add	*5,978.96*	
		For Powder Coated Gate And Post, Add	*2,615.79*	
		For Vinyl Coated, Add	*3,736.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0639	EA	10' High x 25' Wide Galvanized Cantilever Sliding Gate	21,541.50	2,210.82
		For 1" Mesh Fabric, Add	*7,447.13*	
		For 1-1/4" Mesh Fabric, Add	*4,793.56*	
		For 1-3/4" Mesh Fabric, Add	*2,978.85*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,489.43*	
		For Gate With Single Barb Wire Arm, Add	*1,883.18*	
		For Gate With Double Barb Wire Arm, Add	*2,739.17*	
		For Aluminized Steel Gate And Post, Add	*8,217.52*	
		For Powder Coated Gate And Post, Add	*3,595.17*	
		For Vinyl Coated, Add	*5,135.95*	
32 31 13 13-0640	EA	10' High x 30' Wide Galvanized Cantilever Sliding Gate	24,050.30	2,579.30
		For 1" Mesh Fabric, Add	*8,217.89*	
		For 1-1/4" Mesh Fabric, Add	*5,289.68*	
		For 1-3/4" Mesh Fabric, Add	*3,287.16*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,643.58*	
		For Gate With Single Barb Wire Arm, Add	*2,078.09*	
		For Gate With Double Barb Wire Arm, Add	*3,022.67*	
		For Aluminized Steel Gate And Post, Add	*9,068.02*	
		For Powder Coated Gate And Post, Add	*3,967.26*	
		For Vinyl Coated, Add	*5,667.51*	
32 31 13 13-0641	EA	10' High x 36' Wide Galvanized Cantilever Sliding Gate	28,319.95	2,824.94
		For 1" Mesh Fabric, Add	*9,861.48*	
		For 1-1/4" Mesh Fabric, Add	*6,347.62*	
		For 1-3/4" Mesh Fabric, Add	*3,944.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,972.30*	
		For Gate With Single Barb Wire Arm, Add	*2,493.71*	
		For Gate With Double Barb Wire Arm, Add	*3,627.21*	
		For Aluminized Steel Gate And Post, Add	*10,881.63*	
		For Powder Coated Gate And Post, Add	*4,760.71*	
		For Vinyl Coated, Add	*6,801.02*	
32 31 13 13-0642	EA	12' High x 15' Wide Galvanized Cantilever Sliding Gate	16,740.03	1,658.12
		For 1" Mesh Fabric, Add	*5,839.35*	
		For 1-1/4" Mesh Fabric, Add	*3,758.66*	
		For 1-3/4" Mesh Fabric, Add	*2,335.74*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,167.87*	
		For Gate With Single Barb Wire Arm, Add	*1,476.62*	
		For Gate With Double Barb Wire Arm, Add	*2,147.81*	
		For Aluminized Steel Gate And Post, Add	*6,443.42*	
		For Powder Coated Gate And Post, Add	*2,819.00*	
		For Vinyl Coated, Add	*4,027.14*	
32 31 13 13-0643	EA	12' High x 20' Wide Galvanized Cantilever Sliding Gate	19,291.35	2,088.00
		For 1" Mesh Fabric, Add	*6,575.17*	
		For 1-1/4" Mesh Fabric, Add	*4,232.30*	
		For 1-3/4" Mesh Fabric, Add	*2,630.07*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,315.03*	
		For Gate With Single Barb Wire Arm, Add	*1,662.69*	
		For Gate With Double Barb Wire Arm, Add	*2,418.45*	
		For Aluminized Steel Gate And Post, Add	*7,255.36*	
		For Powder Coated Gate And Post, Add	*3,174.22*	
		For Vinyl Coated, Add	*4,534.60*	
32 31 13 13-0644	EA	12' High x 25' Wide Galvanized Cantilever Sliding Gate	25,333.93	2,395.06
		For 1" Mesh Fabric, Add	*8,936.55*	
		For 1-1/4" Mesh Fabric, Add	*5,752.26*	
		For 1-3/4" Mesh Fabric, Add	*3,574.62*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,787.31*	
		For Gate With Single Barb Wire Arm, Add	*2,259.82*	
		For Gate With Double Barb Wire Arm, Add	*3,287.01*	
		For Aluminized Steel Gate And Post, Add	*9,861.02*	
		For Powder Coated Gate And Post, Add	*4,314.20*	
		For Vinyl Coated, Add	*6,163.14*	
32 31 13 13-0645	EA	12' High x 30' Wide Galvanized Cantilever Sliding Gate	28,074.30	2,702.12
		For 1" Mesh Fabric, Add	*9,861.48*	
		For 1-1/4" Mesh Fabric, Add	*6,347.62*	
		For 1-3/4" Mesh Fabric, Add	*3,944.59*	
		For 2-1/8" Mesh Fabric, Deduct	*-1,972.30*	
		For Gate With Single Barb Wire Arm, Add	*2,493.71*	
		For Gate With Double Barb Wire Arm, Add	*3,627.21*	
		For Aluminized Steel Gate And Post, Add	*10,881.63*	
		For Powder Coated Gate And Post, Add	*4,760.71*	
		For Vinyl Coated, Add	*6,801.02*	
32 31 13 13-0646	EA	12' High x 36' Wide Galvanized Cantilever Sliding Gate	31,924.11	2,947.77
		For 1" Mesh Fabric, Add	*11,322.43*	
		For 1-1/4" Mesh Fabric, Add	*7,288.00*	
		For 1-3/4" Mesh Fabric, Add	*4,528.97*	
		For 2-1/8" Mesh Fabric, Deduct	*-2,264.49*	
		For Gate With Single Barb Wire Arm, Add	*2,863.14*	
		For Gate With Double Barb Wire Arm, Add	*4,164.57*	
		For Aluminized Steel Gate And Post, Add	*12,493.72*	
		For Powder Coated Gate And Post, Add	*5,466.00*	
		For Vinyl Coated, Add	*7,808.57*	

32 31 13 13-0647 Gate Accessories *(32 31 13 13-0268)*

32 31 13 13-0648	EA	3" Wheel Diameter, 1" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 100 Lb. max weight capacity	67.35	16.68
32 31 13 13-0649	EA	4" Wheel Diameter, 1-1/4" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 225 Lb. max weight capacity	77.60	16.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0650	EA	6" Wheel Diameter, 2" Wheel Width, Black Rubber, Spring-loaded Gate Caster Note: 550 Lb. max weight capacity	143.44	16.68
32 31 13 13-0651	EA	Gate Center Stop, Cast Steel, Ground	43.07	
32 31 13 13-0652	EA	Gate Latch, Malleable Galvanized Steel	51.84	
32 31 13 13-0653	EA	Gate Keeper, Full Length, Galvanized Steel	237.47	
32 31 13 13-0654	EA	Gate Keeper Hold-Open For Cantilever Gate	111.58	19.62
32 31 13 13-0655	EA	Heavy-Duty Gate Latch, Malleable Galvanized Steel	63.07	
32 31 13 13-0656	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate	1,138.10	
32 31 13 13-0657	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate	1,219.64	
32 31 13 13-0658	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate	1,301.18	
32 31 13 13-0659	LF	Aluminum V-Groove Gate Track	64.37	11.23
32 31 13 13-0660	LF	Galvanized Steel V-Groove Gate Track	46.23	11.23

32 31 13 13-0661 Vertical-Pivot Lift Gate *(32 31 13 13-0268)*

Note: Includes 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes operator. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate.

32 31 13 13-0662	EA	5' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	33,304.52	921.18
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0663	EA	5' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	33,672.99	1,105.42
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0664	EA	5' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	34,041.47	1,289.65
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0665	EA	5' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	34,804.45	1,473.89
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0666	EA	5' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	35,547.71	1,658.12
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0667	EA	6' High x 12' Wide Galvanized Vertical-Pivot Lift Gate	34,626.53	1,197.53
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0668	EA	6' High x 14' Wide Galvanized Vertical-Pivot Lift Gate	34,995.01	1,381.76
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
32 31 13 13-0669	EA	6' High x 16' Wide Galvanized Vertical-Pivot Lift Gate	35,363.48	1,566.00
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*287.50*	
32 31 13 13-0670	EA	6' High x 18' Wide Galvanized Vertical-Pivot Lift Gate	35,948.92	1,750.24
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	
32 31 13 13-0671	EA	6' High x 20' Wide Galvanized Vertical-Pivot Lift Gate	36,869.70	1,934.48
		For Curb Notch, Add	*239.00*	
		For Prewired Loop Kit, Add	*245.00*	
		For Wind Bracing, Add	*317.50*	

32 31 13 13-0672 Reinforced Gate *(32 31 13 13-0268)*

Note: With cross bracing, tension rods, gate keeper (full height, stainless steel rod, internal locking device, gate stop), off-set hinges, and 6 gauge fabric. Excludes gate posts.

32 31 13 13-0673	LF	Reinforced Single Gate, 4' High, Galvanized	653.61	12.39
		For Vinyl Coated, Add	*377.30*	
		For Powder Coated, Add	*503.06*	
		For Aluminum Coated, Add	*786.04*	
32 31 13 13-0674	LF	Reinforced Single Gate, 5' High, Galvanized	701.28	13.43
		For Vinyl Coated, Add	*404.66*	
		For Powder Coated, Add	*539.54*	
		For Aluminum Coated, Add	*843.04*	
32 31 13 13-0675	LF	Reinforced Single Gate, 6' High, Galvanized	748.38	14.98
		For Vinyl Coated, Add	*431.06*	
		For Powder Coated, Add	*574.74*	
		For Aluminum Coated, Add	*898.04*	
32 31 13 13-0676	LF	Reinforced Single Gate, 7' High, Galvanized	792.90	16.01
		For Vinyl Coated, Add	*456.53*	
		For Powder Coated, Add	*608.71*	
		For Aluminum Coated, Add	*951.11*	
32 31 13 13-0677	LF	Reinforced Single Gate, 8' High, Galvanized	838.74	18.08
		For Vinyl Coated, Add	*481.55*	
		For Powder Coated, Add	*642.07*	
		For Aluminum Coated, Add	*1,003.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0678	LF	Reinforced Double Gate, 4' High, Galvanized	445.97	12.39
		For Vinyl Coated, Add	*252.71*	
		For Powder Coated, Add	*336.95*	
		For Aluminum Coated, Add	*526.49*	
32 31 13 13-0679	LF	Reinforced Double Gate, 5' High, Galvanized	500.74	13.43
		For Vinyl Coated, Add	*284.33*	
		For Powder Coated, Add	*379.11*	
		For Aluminum Coated, Add	*592.36*	
32 31 13 13-0680	LF	Reinforced Double Gate, 6' High, Galvanized	554.63	14.98
		For Vinyl Coated, Add	*314.81*	
		For Powder Coated, Add	*419.74*	
		For Aluminum Coated, Add	*655.85*	
32 31 13 13-0681	LF	Reinforced Double Gate, 7' High, Galvanized	712.62	16.01
		For Vinyl Coated, Add	*408.37*	
		For Powder Coated, Add	*544.49*	
		For Aluminum Coated, Add	*850.76*	
32 31 13 13-0682	LF	Reinforced Double Gate, 8' High, Galvanized	868.92	18.08
		For Vinyl Coated, Add	*499.66*	
		For Powder Coated, Add	*666.22*	
		For Aluminum Coated, Add	*1,040.96*	

32 31 13 13-0683 Accessories *(32 31 13 13)*

32 31 13 13-0684 Barbed And Concertina Wire *(32 31 13 13-0683)*

32 31 13 13-0685 Single Strand Barbed Wire *(32 31 13 13-0684)*

32 31 13 13-0686	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand Note: Includes clips. 4 points 12-1/2 Gauge, Class I.	1.17	0.52
		For >500 To 2,000, Deduct	*-0.05*	
		For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0687	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand	1.22	0.52
		For >500 To 2,000, Deduct	*-0.05*	
		For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0688	LF	Vinyl Coated Barbed Wire (Fused), Per Strand Note: Includes clips.	1.33	0.52
		For >500 To 2,000, Deduct	*-0.05*	
		For >2,000 To 5,000, Deduct	*-0.08*	
32 31 13 13-0689	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm Mounted On Top Of Post	16.94	8.26
32 31 13 13-0690	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm Mounted On Top Of Post	29.27	9.92
32 31 13 13-0691	EA	Barbed Wire Eye Tops (For Single Strand) Mounted On Top Of Post	13.84	8.26

32 31 13 13-0692 Galvanized Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0684)*

32 31 13 13-0693	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	5.81	0.73
		For >500 To 1,500, Deduct	*-0.49*	
		For >1,500 To 5,000, Deduct	*-0.98*	
		For >5,000, Deduct	*-1.37*	
		For Ground Installation, Deduct	*-0.52*	
		For Double Coil (Helix), Add	*4.78*	
32 31 13 13-0694	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	8.77	0.73
		For >500 To 1,500, Deduct	*-0.74*	
		For >1,500 To 5,000, Deduct	*-1.47*	
		For >5,000, Deduct	*-2.06*	
		For Ground Installation, Deduct	*-0.78*	
		For Double Coil (Helix), Add	*7.22*	
32 31 13 13-0695	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	11.61	0.73
		For >500 To 1,500, Deduct	*-0.97*	
		For >1,500 To 5,000, Deduct	*-1.95*	
		For >5,000, Deduct	*-2.74*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*9.55*	
32 31 13 13-0696	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	10.26	0.73
		For >500 To 1,500, Deduct	*-0.83*	
		For >1,500 To 5,000, Deduct	*-1.65*	
		For >5,000, Deduct	*-2.28*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*9.12*	
32 31 13 13-0697	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	15.53	0.73
		For >500 To 1,500, Deduct	*-1.25*	
		For >1,500 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.45*	
		For Ground Installation, Deduct	*-0.86*	
		For Double Coil (Helix), Add	*13.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0698	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	20.50	0.73
		For >500 To 1,500, Deduct	*-1.65*	
		For >1,500 To 5,000, Deduct	*-3.30*	
		For >5,000, Deduct	*-4.56*	
		For Ground Installation, Deduct	*-1.14*	
		For Double Coil (Helix), Add	*18.22*	
32 31 13 13-0699	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	33.86	0.73
		For >500 To 1,500, Deduct	*-2.60*	
		For >1,500 To 5,000, Deduct	*-5.21*	
		For >5,000, Deduct	*-7.03*	
		For Ground Installation, Deduct	*-0.65*	
		For Double Coil (Helix), Add	*32.57*	
32 31 13 13-0700	LF	30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.25	0.73
		For >500 To 1,500, Deduct	*-3.94*	
		For >1,500 To 5,000, Deduct	*-7.88*	
		For >5,000, Deduct	*-10.64*	
		For Ground Installation, Deduct	*-0.97*	
		For Double Coil (Helix), Add	*49.32*	
32 31 13 13-0701	LF	30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	67.71	0.73
		For >500 To 1,500, Deduct	*-5.21*	
		For >1,500 To 5,000, Deduct	*-10.41*	
		For >5,000, Deduct	*-14.06*	
		For Ground Installation, Deduct	*-1.29*	
		For Double Coil (Helix), Add	*65.13*	

32 31 13 13-0702 Stainless Steel Concertina (Razor) Wire, Single Coil *(32 31 13 13-0684)*

32 31 13 13-0703	LF	18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	11.18	0.73
		For >500 To 1,500, Deduct	*-0.89*	
		For >1,500 To 5,000, Deduct	*-1.78*	
		For >5,000, Deduct	*-2.44*	
		For Ground Installation, Deduct	*-0.52*	
		For Double Coil (Helix), Add	*10.15*	
32 31 13 13-0704	LF	18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	16.90	0.73
		For >500 To 1,500, Deduct	*-1.35*	
		For >1,500 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-3.69*	
		For Ground Installation, Deduct	*-0.78*	
		For Double Coil (Helix), Add	*15.35*	
32 31 13 13-0705	LF	18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	22.35	0.73
		For >500 To 1,500, Deduct	*-1.78*	
		For >1,500 To 5,000, Deduct	*-3.56*	
		For >5,000, Deduct	*-4.88*	
		For Ground Installation, Deduct	*-1.03*	
		For Double Coil (Helix), Add	*20.29*	
32 31 13 13-0706	LF	24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	14.82	0.73
		For >500 To 1,500, Deduct	*-1.17*	
		For >1,500 To 5,000, Deduct	*-2.34*	
		For >5,000, Deduct	*-3.19*	
		For Ground Installation, Deduct	*-0.57*	
		For Double Coil (Helix), Add	*13.68*	
32 31 13 13-0707	LF	24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	22.43	0.73
		For >500 To 1,500, Deduct	*-1.77*	
		For >1,500 To 5,000, Deduct	*-3.54*	
		For >5,000, Deduct	*-4.83*	
		For Ground Installation, Deduct	*-0.86*	
		For Double Coil (Helix), Add	*20.71*	
32 31 13 13-0708	LF	24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	29.61	0.73
		For >500 To 1,500, Deduct	*-2.33*	
		For >1,500 To 5,000, Deduct	*-4.67*	
		For >5,000, Deduct	*-6.38*	
		For Ground Installation, Deduct	*-1.14*	
		For Double Coil (Helix), Add	*27.33*	
32 31 13 13-0709	LF	30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence	51.10	0.73
		For >500 To 1,500, Deduct	*-3.90*	
		For >1,500 To 5,000, Deduct	*-7.79*	
		For >5,000, Deduct	*-10.48*	
		For Ground Installation, Deduct	*-0.65*	
		For Double Coil (Helix), Add	*49.81*	
32 31 13 13-0710	LF	30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence	77.37	0.73
		For >500 To 1,500, Deduct	*-5.90*	
		For >1,500 To 5,000, Deduct	*-11.80*	
		For >5,000, Deduct	*-15.86*	
		For Ground Installation, Deduct	*-0.97*	
		For Double Coil (Helix), Add	*75.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0711	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence	102.18	0.73
		For >500 To 1,500, Deduct	*-7.79*	
		For >1,500 To 5,000, Deduct	*-15.59*	
		For >5,000, Deduct	*-20.95*	
		For Ground Installation, Deduct	*-1.29*	
		For Double Coil (Helix), Add	*99.60*	
32 31 13 13-0712		**Grounding For Gates** *(32 31 13 13-0683)* Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13 13-0713	OPNG	Grounding For Gates Note: Per opening	471.98	
32 31 13 13-0714		**Coiled Spring Reinforcing Wire** *(32 31 13 13-0683)*		
32 31 13 13-0715		**Galvanized Steel** *(32 31 13 13-0714)*		
32 31 13 13-0716	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring	1.24	0.52
32 31 13 13-0717		**Vinyl Coated Steel** *(32 31 13 13-0714)*		
32 31 13 13-0718	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring	1.24	0.52
32 31 13 13-0719		**Bending Of Fabric Around Pipe Railings** *(32 31 13 13-0683)* Note: Only where specified.		
32 31 13 13-0720	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top	1.65	
32 31 13 13-0721	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom	1.44	
32 31 13 13-0722		**Mounting Plate With Anchors Or Bolts** *(32 31 13 13-0683)* Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13 13-0723	EA	Mounting Plate For 1-5/8" Diameter Post	47.92	
32 31 13 13-0724	EA	Mounting Plate For 2" Diameter Post	48.72	
32 31 13 13-0725	EA	Mounting Plate For 2-1/2" Diameter Post	50.08	
32 31 13 13-0726	EA	Mounting Plate For 3" Diameter Post	60.46	
32 31 13 13-0727	EA	Mounting Plate For 4" Diameter Post	69.60	
32 31 13 13-0728	EA	Mounting Plate For 6-5/8" Diameter Post	80.73	
32 31 13 13-0729	EA	Mounting Plate For 8-5/8" Diameter Post	95.28	
32 31 13 13-0730		**Tension Bar** *(32 31 13 13-0683)*		
32 31 13 13-0731	EA	3' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	17.45	
32 31 13 13-0732	EA	3-1/2' Long x 5/8" Wide x 3/16" Thick Galvanized Steel Tension Bar	18.57	
32 31 13 13-0733	EA	4' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	23.05	
32 31 13 13-0734	EA	5' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	26.76	
32 31 13 13-0735	EA	6' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	31.70	
32 31 13 13-0736	EA	7' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	36.87	
32 31 13 13-0737	EA	8' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	41.70	
32 31 13 13-0738	EA	9' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	50.18	
32 31 13 13-0739	EA	10' Long x 3/4" Wide x 3/16" Thick Galvanized Steel Tension Bar	60.07	
32 31 13 13-0740		**Truss Rods** *(32 31 13 13-0683)*		
32 31 13 13-0741	LF	3/8" Diameter Truss Rods	2.29	0.58
32 31 13 13-0742		**Fence And Gate Repair And Replacement** *(32 31 13 13)*		
32 31 13 13-0743		**Fence And Gate Parts Replacement** *(32 31 13 13-0742)*		
32 31 13 13-0744	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement	134.82	
32 31 13 13-0745	EA	Sliding Gate Roller Assembly Replacement	131.29	
32 31 13 13-0746	EA	Rod And Lock Gate Keeper Replacement	134.71	
32 31 13 13-0747	EA	Galvanized Gate Holdback Replacement	29.44	
32 31 13 13-0748	LF	3/8" Cross Bracing Rod Replacement	1.74	
32 31 13 13-0749	LF	1-5/8" Diagonal Pipe Bracing Replacement	2.71	
32 31 13 13-0750	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	28.20	
32 31 13 13-0751	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	32.21	
32 31 13 13-0752	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	36.34	
32 31 13 13-0753	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	53.99	
32 31 13 13-0754	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement	111.74	
32 31 13 13-0755	EA	2-1/2" x 2" Off Set Gate Hinge Replacement	27.85	
32 31 13 13-0756	EA	3" x 2" Off Set Gate Hinge Replacement	29.06	
32 31 13 13-0757	EA	4" x 2" Off Set Gate Hinge Replacement	30.99	
32 31 13 13-0758	EA	6-5/8" x 2" Off Set Gate Hinge Replacement	51.09	
32 31 13 13-0759	EA	8-5/8" x 2" Off Set Gate Hinge Replacement	80.89	
32 31 13 13-0760	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement	6.06	
32 31 13 13-0761	EA	2" Aluminum Die-Cast Post Cap Replacement	6.65	
32 31 13 13-0762	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement	7.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0763	EA	3" Aluminum Die-Cast Post Cap Replacement	9.07	
32 31 13 13-0764	EA	2" Galvanized Post Cap Replacement	6.79	
32 31 13 13-0765	EA	2-1/2" Galvanized Post Cap Replacement	7.35	
32 31 13 13-0766	EA	3" Galvanized Post Cap Replacement	8.43	
32 31 13 13-0767	EA	4" Galvanized Post Cap Replacement	12.64	
32 31 13 13-0768	EA	6-5/8" Galvanized Post Cap Replacement	24.12	
32 31 13 13-0769	EA	8-5/8" Galvanized Post Cap Replacement	39.75	
32 31 13 13-0770	EA	1-5/8" Boulevard Clamp Replacement	11.28	
32 31 13 13-0771	EA	2" Boulevard Clamp Replacement	13.76	
32 31 13 13-0772	EA	2-1/2" Boulevard Clamp Replacement	16.14	
32 31 13 13-0773	EA	3" Boulevard Clamp Replacement	19.59	
32 31 13 13-0774	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement	11.05	
32 31 13 13-0775	EA	2" Gate Brace Or End Rail Clamp Replacement	13.44	
32 31 13 13-0776	EA	1-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.44	
32 31 13 13-0777	EA	1-3/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.34	
32 31 13 13-0778	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement	15.82	
32 31 13 13-0779	EA	2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.72	
32 31 13 13-0780	EA	2-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.59	
32 31 13 13-0781	EA	3" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.80	
32 31 13 13-0782	EA	3-1/2" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	11.97	
32 31 13 13-0783	EA	4" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	12.46	
32 31 13 13-0784	EA	6-5/8" Heavy-Duty Galvanized Tension Band With Bolt, Replacement	16.06	
32 31 13 13-0785	EA	3" Gate Brace Or End Rail Clamp Replacement	19.25	

32 31 13 13-0786 Removal And Reinstallation Of Chain Link Fences *(32 31 13 13)*

Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0058 for new fence posts where required.

32 31 13 13-0787	LF	Removal And Reinstallation Of Chain Link Fence Up To 5' Height	20.65	
32 31 13 13-0788	LF	Removal And Reinstallation Of Chain Link Fence 6' To 12' Height	30.98	

32 31 13 13-0789 Ballfield Fencing *(32 31 13 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

32 31 13 13-0790 Concrete Bases For Ballfield Poles, Cast In Place *(32 31 13 13-0789)*

Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.

32 31 13 13-0791	VLF	2-1/2' Diameter Concrete Base For Ballfield Poles	128.23	
32 31 13 13-0792	VLF	3' Diameter Concrete Base For Ballfield Poles	153.42	
32 31 13 13-0793	VLF	3-1/2' Diameter Concrete Base For Ballfield Poles	195.45	
32 31 13 13-0794	VLF	4' Diameter Concrete Base For Ballfield Poles	233.20	

32 31 13 13-0795 Ballfield Poles *(32 31 13 13-0789)*

32 31 13 13-0796	EA	20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 10' above grade	8,107.26	587.68
32 31 13 13-0797	EA	25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 15' above grade	10,054.48	734.60
32 31 13 13-0798	EA	30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 20' above grade	11,540.03	881.51
32 31 13 13-0799	EA	40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 30' above grade	15,579.56	1,028.44
32 31 13 13-0800	EA	50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 40' above grade	20,963.17	1,175.35
32 31 13 13-0801	EA	60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting Note: 50' above grade	23,422.10	1,322.28

32 31 13 13-0802 Ballfield Nylon Netting *(32 31 13 13-0789)*

Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.

32 31 13 13-0803	LF	10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.86	
32 31 13 13-0804	LF	10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	1.90	
32 31 13 13-0805	LF	10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.13	
32 31 13 13-0806	LF	10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.40	
32 31 13 13-0807	LF	10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	2.65	
32 31 13 13-0808	LF	10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	3.53	
32 31 13 13-0809	LF	10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	4.01	
32 31 13 13-0810	LF	10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting	5.21	

32 31 13 13-0811 Ballfield Chainlink Netting *(32 31 13 13-0789)*

Note: Excludes fastening clips and cabeling See CSI section 05 15 00 00-0000 for cabling and accessories.

32 31 13 13-0812	SF	#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting	3.95	1.31
		For 13 Gauge Fabric, Deduct	*-0.60*	
		For 11 Gauge Fabric, Deduct	*-0.34*	
		For 6 Gauge Fabric, Add	*1.07*	
		For 1" Mesh Fabric, Add	*1.01*	
		For 1-3/4" Mesh Fabric, Add	*0.40*	
		For 2-1/8" Mesh Fabric, Deduct	*-0.20*	
		For 2-3/8" Mesh Fabric, Deduct	*-0.27*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0813		Ballfield Netting *(32 31 13 13-0789)*		
32 31 13 13-0814	EA	Sliding Clip For Ballfield Netting	9.11	
32 31 13 13-0815	EA	1/4" Utility Spring Swing Clip For Ballfield Netting	4.10	
32 31 13 13-0816	EA	5/16" Utility Spring Swing Clip For Ballfield Netting	4.30	
32 31 13 13-0817	EA	3/8" Utility Spring Swing Clip For Ballfield Netting	4.61	
32 31 13 33		**Chain Link Backstops** *(32 31 13)*		
32 31 13 33-0001		Regulation Baseball Backstop *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized	13,602.59	2,087.89
32 31 13 33-0003	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized	19,667.01	2,783.85
32 31 13 33-0004	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized	25,124.21	3,247.82
32 31 13 33-0005	EA	20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	19,260.89	2,087.89
32 31 13 33-0006	EA	34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated	28,133.62	2,783.85
32 31 13 33-0007	EA	48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated	36,297.23	3,247.82
32 31 13 33-0008	SF	2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	14.96	
32 31 13 33-0009	SF	3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop	17.86	
32 31 13 33-0010		Regulation Softball Backstop *(32 31 13 33)* See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0011		14' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0012	EA	14' Softball Backstop, Galvanized Regulation	11,510.52	2,136.02
32 31 13 33-0013	EA	14' Softball Backstop, Vinyl Coated Regulation	15,568.75	2,136.02
32 31 13 33-0014		18' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0015	EA	18' Softball Backstop, Galvanized Regulation	13,458.97	2,374.67
32 31 13 33-0016	EA	18' Softball Backstop Vinyl Coated Regulation	18,368.12	2,374.67
32 31 13 33-0017		20' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0018	EA	20' Softball Backstop, Galvanized Regulation	15,273.13	2,503.76
32 31 13 33-0019	EA	20' Softball Backstop, Vinyl Coated Regulation	21,098.71	2,503.76
32 31 13 33-0020		22' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0021	EA	22' Softball Backstop, Galvanized Regulation	17,627.95	2,579.30
32 31 13 33-0022	EA	22' Softball Backstop, Vinyl Coated Regulation	24,631.66	2,579.30
32 31 13 33-0023		24' High Softball Backstop *(32 31 13 33-0010)* Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0024	EA	24' Softball Backstop, Galvanized Regulation	21,025.10	2,947.77
32 31 13 33-0025	EA	24' Softball Backstop, Vinyl Coated Regulation	29,730.65	2,947.77
32 31 16		**Welded Wire Fences and Gates** *(32 31)*		
32 31 16 00-0001		Welded Wire Fence *(32 31 16)*		
32 31 16 00-0002		12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0003	LF	3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	10.35	1.86
32 31 16 00-0004	LF	5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'	11.19	1.86
32 31 16 00-0005		14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh *(32 31 16 00-0001)* Note: Posts 5' on center.		
32 31 16 00-0006	LF	3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.18	1.86
32 31 16 00-0007	LF	5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'	10.92	1.86
32 31 19		**Decorative Metal Fences and Gates** *(32 31)* See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001		Wrought Iron Fence *(32 31 19)* Note: Factory primed.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0002		Wrought Iron Fence, 3/4" Verticals At >3" To 4" On Center *(32 31 19 00-0001)*		
		Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF	3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	45.44	11.36
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*8.41*	
		For Verticals Up To 2" On Center, Add	*7.27*	
		For Verticals >2" To 2-1/2" On Center, Add	*4.54*	
		For Verticals >2-1/2" To 3" On Center, Add	*1.82*	
		For Verticals >4" To 6" On Center, Deduct	*-2.04*	
		For Pickets Extending Above Top Rail, Add	*3.98*	
		For Curved Pickets Extending Above Top Rail, Add	*9.09*	
32 31 19 00-0004	LF	4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	58.02	14.46
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*10.66*	
		For Verticals Up To 2" On Center, Add	*9.64*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.02*	
		For Verticals >2-1/2" To 3" On Center, Add	*2.41*	
		For Verticals >4" To 6" On Center, Deduct	*-2.71*	
		For Pickets Extending Above Top Rail, Add	*5.16*	
		For Curved Pickets Extending Above Top Rail, Add	*11.88*	
32 31 19 00-0005	LF	5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	68.35	15.08
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*12.38*	
		For Verticals Up To 2" On Center, Add	*12.15*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.60*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.04*	
		For Verticals >4" To 6" On Center, Deduct	*-3.42*	
		For Pickets Extending Above Top Rail, Add	*6.27*	
		For Curved Pickets Extending Above Top Rail, Add	*14.62*	
32 31 19 00-0006	LF	6' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	82.67	18.18
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*14.95*	
		For Verticals Up To 2" On Center, Add	*14.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.25*	
		For Verticals >2-1/2" To 3" On Center, Add	*3.70*	
		For Verticals >4" To 6" On Center, Deduct	*-4.16*	
		For Pickets Extending Above Top Rail, Add	*7.60*	
		For Curved Pickets Extending Above Top Rail, Add	*17.76*	
32 31 19 00-0007	LF	7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center	95.94	19.24
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*17.08*	
		For Verticals Up To 2" On Center, Add	*18.39*	
		For Verticals >2" To 2-1/2" On Center, Add	*11.49*	
		For Verticals >2-1/2" To 3" On Center, Add	*4.60*	
		For Verticals >4" To 6" On Center, Deduct	*-5.17*	
		For Pickets Extending Above Top Rail, Add	*9.11*	
		For Curved Pickets Extending Above Top Rail, Add	*21.56*	
32 31 19 00-0008	LF	8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	109.18	20.24
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*19.21*	
		For Verticals Up To 2" On Center, Add	*21.98*	
		For Verticals >2" To 2-1/2" On Center, Add	*13.74*	
		For Verticals >2-1/2" To 3" On Center, Add	*5.50*	
		For Verticals >4" To 6" On Center, Deduct	*-6.18*	
		For Pickets Extending Above Top Rail, Add	*10.61*	
		For Curved Pickets Extending Above Top Rail, Add	*25.36*	
32 31 19 00-0009	LF	10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	131.97	22.72
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*22.98*	
		For Verticals Up To 2" On Center, Add	*27.69*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.31*	
		For Verticals >2-1/2" To 3" On Center, Add	*6.92*	
		For Verticals >4" To 6" On Center, Deduct	*-7.79*	
		For Pickets Extending Above Top Rail, Add	*13.09*	
		For Curved Pickets Extending Above Top Rail, Add	*31.53*	
32 31 19 00-0010	LF	12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center	155.55	25.82
		For 6' Length Fence Panels With Posts Set 6' O.C., Add	*26.95*	
		For Verticals Up To 2" On Center, Add	*33.25*	
		For Verticals >2" To 2-1/2" On Center, Add	*20.78*	
		For Verticals >2-1/2" To 3" On Center, Add	*8.31*	
		For Verticals >4" To 6" On Center, Deduct	*-9.35*	
		For Pickets Extending Above Top Rail, Add	*15.57*	
		For Curved Pickets Extending Above Top Rail, Add	*37.64*	
32 31 19 00-0011		Wrought Iron Gates *(32 31 19 00-0001)*		
		Note: Factory primed.		
32 31 19 00-0012		Single Wrought Iron Gates *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0013	LF	3' Single Wrought Iron Gate, Hardware And Associated Trim	55.72	13.84
32 31 19 00-0014	LF	4' Single Wrought Iron Gate, Hardware And Associated Trim	73.09	17.15
32 31 19 00-0015	LF	5' Single Wrought Iron Gate, Hardware And Associated Trim	88.95	20.65
32 31 19 00-0016	LF	6' Single Wrought Iron Gate, Hardware And Associated Trim	107.96	24.78
32 31 19 00-0017	LF	8' Single Wrought Iron Gate, Hardware And Associated Trim	142.41	27.47
32 31 19 00-0018	LF	10' Single Wrought Iron Gate, Hardware And Associated Trim	171.14	30.37
32 31 19 00-0019	LF	12' Single Wrought Iron Gate, Hardware And Associated Trim	199.36	34.50
32 31 19 00-0020		Double Wrought Iron Gates *(32 31 19 00-0011)*		
		Note: Factory primed.		
32 31 19 00-0021	LF	3' Double Wrought Iron Gate, Hardware And Associated Trim	67.89	12.39
32 31 19 00-0022	LF	4' Double Wrought Iron Gate, Hardware And Associated Trim	88.93	15.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0023	LF	5' Double Wrought Iron Gate, Hardware And Associated Trim	107.77	18.59
32 31 19 00-0024	LF	6' Double Wrought Iron Gate, Hardware And Associated Trim	130.38	22.31
32 31 19 00-0025	LF	8' Double Wrought Iron Gate, Hardware And Associated Trim	172.78	24.78
32 31 19 00-0026	LF	10' Double Wrought Iron Gate, Hardware And Associated Trim	208.01	27.27
32 31 19 00-0027	LF	12' Double Wrought Iron Gate, Hardware And Associated Trim	242.77	30.98

32 31 19 00-0028 Repair Or Replace Wrought Iron Fence *(32 31 19 00-0001)*

32 31 19 00-0029	LF	Removal And Replacement Of Wrought Iron Picket	19.49	
32 31 19 00-0030	LF	Removal And Replacement Of Wrought Iron Post	28.66	
32 31 19 00-0031	EA	Straighten Wrought Iron Post	82.63	

32 31 19 00-0032 Steel Tube Fence, Powder Coated *(32 31 19)*

Note: Pickets are 3/4" square x 16 gauge.

32 31 19 00-0033 Steel Tube Fence, 2 Rail *(32 31 19 00-0032)*

Note: 6 foot long panel sections.

32 31 19 00-0034	LF	3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	81.13	11.36
		For Verticals Up To 2" On Center, Add	*11.77*	
		For Verticals >2" To 2-1/2" On Center, Add	*5.89*	
		For Verticals >3" To 4" On Center, Deduct	*-5.89*	
		For Verticals >4" To 6" On Center, Deduct	*-11.77*	
		For Pickets Extending Above Top Rail, Add	*6.12*	
		For Curved Pickets Extending Above Top Rail, Add	*10.79*	
		For Solid Pickets, Add	*16.58*	
		For Aluminum With Satin Finish, Add	*14.32*	
		For Third Rail, Add	*4.42*	
		For 1" Square x 14 Gauge Pickets, Add	*14.72*	
		For 3" Square Posts, Add	*7.36*	
32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	86.75	12.14
		For Verticals Up To 2" On Center, Add	*12.49*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.25*	
		For Verticals >3" To 4" On Center, Deduct	*-6.25*	
		For Verticals >4" To 6" On Center, Deduct	*-12.49*	
		For Pickets Extending Above Top Rail, Add	*6.52*	
		For Curved Pickets Extending Above Top Rail, Add	*11.50*	
		For Solid Pickets, Add	*17.70*	
		For Aluminum With Satin Finish, Add	*15.09*	
		For Third Rail, Add	*4.68*	
		For 1" Square x 14 Gauge Pickets, Add	*15.62*	
		For 3" Square Posts, Add	*7.81*	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	91.71	13.43
		For Verticals Up To 2" On Center, Add	*13.08*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.54*	
		For Verticals >3" To 4" On Center, Deduct	*-6.54*	
		For Verticals >4" To 6" On Center, Deduct	*-13.08*	
		For Pickets Extending Above Top Rail, Add	*6.87*	
		For Curved Pickets Extending Above Top Rail, Add	*12.11*	
		For Solid Pickets, Add	*18.66*	
		For Aluminum With Satin Finish, Add	*15.67*	
		For Third Rail, Add	*4.90*	
		For 1" Square x 14 Gauge Pickets, Add	*16.35*	
		For 3" Square Posts, Add	*8.17*	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	97.40	15.08
		For Verticals Up To 2" On Center, Add	*13.41*	
		For Verticals >2" To 2-1/2" On Center, Add	*6.70*	
		For Verticals >3" To 4" On Center, Deduct	*-6.70*	
		For Verticals >4" To 6" On Center, Deduct	*-13.41*	
		For Pickets Extending Above Top Rail, Add	*7.22*	
		For Curved Pickets Extending Above Top Rail, Add	*12.67*	
		For Solid Pickets, Add	*19.64*	
		For Aluminum With Satin Finish, Add	*15.55*	
		For Third Rail, Add	*5.03*	
		For 1" Square x 14 Gauge Pickets, Add	*16.76*	
		For 3" Square Posts, Add	*8.38*	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts	113.08	17.04
		For Verticals Up To 2" On Center, Add	*15.80*	
		For Verticals >2" To 2-1/2" On Center, Add	*7.90*	
		For Verticals >3" To 4" On Center, Deduct	*-7.90*	
		For Verticals >4" To 6" On Center, Deduct	*-15.80*	
		For Pickets Extending Above Top Rail, Add	*8.42*	
		For Curved Pickets Extending Above Top Rail, Add	*14.80*	
		For Solid Pickets, Add	*22.89*	
		For Aluminum With Satin Finish, Add	*18.59*	
		For Third Rail, Add	*5.93*	
		For 1" Square x 14 Gauge Pickets, Add	*19.75*	
		For 3" Square Posts, Add	*9.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	129.73	18.59
		For Verticals Up To 2" On Center, Add	*18.51*	
		For Verticals >2" To 2-1/2" On Center, Add	*9.26*	
		For Verticals >3" To 4" On Center, Deduct	*-9.26*	
		For Verticals >4" To 6" On Center, Deduct	*-18.51*	
		For Pickets Extending Above Top Rail, Add	*9.73*	
		For Curved Pickets Extending Above Top Rail, Add	*17.13*	
		For Solid Pickets, Add	*26.40*	
		For Aluminum With Satin Finish, Add	*22.19*	
		For Third Rail, Add	*6.94*	
		For 1" Square x 14 Gauge Pickets, Add	*23.14*	
		For 4" Square Posts, Add	*32.39*	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	146.60	20.24
		For Verticals Up To 2" On Center, Add	*21.22*	
		For Verticals >2" To 2-1/2" On Center, Add	*10.61*	
		For Verticals >3" To 4" On Center, Deduct	*-10.61*	
		For Verticals >4" To 6" On Center, Deduct	*-21.22*	
		For Pickets Extending Above Top Rail, Add	*11.04*	
		For Curved Pickets Extending Above Top Rail, Add	*19.48*	
		For Solid Pickets, Add	*29.95*	
		For Aluminum With Satin Finish, Add	*25.76*	
		For Third Rail, Add	*7.96*	
		For 1" Square x 14 Gauge Pickets, Add	*26.53*	
		For 4" Square Posts, Add	*37.14*	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts	170.96	21.69
		For Verticals Up To 2" On Center, Add	*25.52*	
		For Verticals >2" To 2-1/2" On Center, Add	*12.76*	
		For Verticals >3" To 4" On Center, Deduct	*-12.76*	
		For Verticals >4" To 6" On Center, Deduct	*-25.52*	
		For Pickets Extending Above Top Rail, Add	*13.01*	
		For Curved Pickets Extending Above Top Rail, Add	*23.03*	
		For Solid Pickets, Add	*35.21*	
		For Aluminum With Satin Finish, Add	*31.77*	
		For Third Rail, Add	*9.57*	
		For 1" Square x 14 Gauge Pickets, Add	*31.90*	
		For 4" Square Posts, Add	*44.66*	
32 31 19 00-0042	LF	10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	195.54	23.24
		For Verticals Up To 2" On Center, Add	*29.81*	
		For Verticals >2" To 2-1/2" On Center, Add	*14.91*	
		For Verticals >3" To 4" On Center, Deduct	*-14.91*	
		For Verticals >4" To 6" On Center, Deduct	*-29.81*	
		For Pickets Extending Above Top Rail, Add	*14.99*	
		For Curved Pickets Extending Above Top Rail, Add	*26.59*	
		For Solid Pickets, Add	*40.51*	
		For Aluminum With Satin Finish, Add	*37.75*	
		For Third Rail, Add	*11.18*	
		For 1" Square x 14 Gauge Pickets, Add	*37.27*	
		For 6" Square Posts, Add	*52.17*	
32 31 19 00-0043	LF	12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	230.79	25.82
		For Verticals Up To 2" On Center, Add	*35.83*	
		For Verticals >2" To 2-1/2" On Center, Add	*17.91*	
		For Verticals >3" To 4" On Center, Deduct	*-17.91*	
		For Verticals >4" To 6" On Center, Deduct	*-35.83*	
		For Pickets Extending Above Top Rail, Add	*17.81*	
		For Curved Pickets Extending Above Top Rail, Add	*31.64*	
		For Solid Pickets, Add	*48.05*	
		For Aluminum With Satin Finish, Add	*45.99*	
		For Third Rail, Add	*13.44*	
		For 1" Square x 14 Gauge Pickets, Add	*44.79*	
		For 6" Square Posts, Add	*62.70*	
32 31 19 00-0044	LF	14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts	247.15	27.88
		For Verticals Up To 2" On Center, Add	*38.27*	
		For Verticals >2" To 2-1/2" On Center, Add	*19.14*	
		For Verticals >3" To 4" On Center, Deduct	*-19.14*	
		For Verticals >4" To 6" On Center, Deduct	*-38.27*	
		For Pickets Extending Above Top Rail, Add	*19.06*	
		For Curved Pickets Extending Above Top Rail, Add	*33.85*	
		For Solid Pickets, Add	*51.43*	
		For Aluminum With Satin Finish, Add	*49.04*	
		For Third Rail, Add	*14.35*	
		For 1" Square x 14 Gauge Pickets, Add	*47.84*	
		For 6" Square Posts, Add	*66.98*	
32 31 19 00-0045		Steel Tube Swing Gates *(32 31 19 00-0032)*		
32 31 19 00-0046		3' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0047	EA	3' Wide x 3' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	789.93	22.00
		For Solid Pickets, Add	*172.78*	
		For Aluminum With Satin Finish, Add	*207.23*	
		For Third Rail, Add	*54.29*	
		For 1" Square x 14 Gauge Pickets, Add	*72.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0048	EA	3'-6" Wide x 3' High Steel Tube Single Swing Gate	879.34	23.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*192.66*	
		For Aluminum With Satin Finish, Add	*232.66*	
		For Third Rail, Add	*60.76*	
		For 1" Square x 14 Gauge Pickets, Add	*81.01*	
32 31 19 00-0049	EA	4' Wide x 3' High Steel Tube Single Swing Gate	973.70	24.38
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*213.58*	
		For Aluminum With Satin Finish, Add	*259.11*	
		For Third Rail, Add	*67.53*	
		For 1" Square x 14 Gauge Pickets, Add	*90.04*	
32 31 19 00-0050	EA	5' Wide x 3' High Steel Tube Single Swing Gate	1,023.99	26.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*224.51*	
		For Aluminum With Satin Finish, Add	*271.87*	
		For Third Rail, Add	*70.91*	
		For 1" Square x 14 Gauge Pickets, Add	*94.55*	
32 31 19 00-0051	EA	6' Wide x 3' High Steel Tube Single Swing Gate	1,143.45	31.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*250.23*	
		For Aluminum With Satin Finish, Add	*300.74*	
		For Third Rail, Add	*78.71*	
		For 1" Square x 14 Gauge Pickets, Add	*104.95*	
32 31 19 00-0052	EA	7' Wide x 3' High Steel Tube Single Swing Gate	1,215.82	36.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*265.35*	
		For Aluminum With Satin Finish, Add	*315.48*	
		For Third Rail, Add	*82.98*	
		For 1" Square x 14 Gauge Pickets, Add	*110.63*	
32 31 19 00-0053	EA	8' Wide x 3' High Steel Tube Single Swing Gate	1,326.50	41.93
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*289.01*	
		For Aluminum With Satin Finish, Add	*341.25*	
		For Third Rail, Add	*90.04*	
		For 1" Square x 14 Gauge Pickets, Add	*120.05*	
32 31 19 00-0054	EA	9' Wide x 3' High Steel Tube Single Swing Gate	1,422.41	47.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*309.43*	
		For Aluminum With Satin Finish, Add	*363.05*	
		For Third Rail, Add	*96.07*	
		For 1" Square x 14 Gauge Pickets, Add	*128.09*	
32 31 19 00-0055	EA	10' Wide x 3' High Steel Tube Single Swing Gate	1,506.57	52.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*327.20*	
		For Aluminum With Satin Finish, Add	*381.33*	
		For Third Rail, Add	*101.22*	
		For 1" Square x 14 Gauge Pickets, Add	*134.96*	
32 31 19 00-0056	EA	6' Wide x 3' High Steel Tube Double Swing Gate	1,652.24	44.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*361.84*	
		For Aluminum With Satin Finish, Add	*436.18*	
		For Third Rail, Add	*114.00*	
		For 1" Square x 14 Gauge Pickets, Add	*152.00*	
32 31 19 00-0057	EA	7' Wide x 3' High Steel Tube Double Swing Gate	1,760.63	46.06
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*385.76*	
		For Aluminum With Satin Finish, Add	*465.91*	
		For Third Rail, Add	*121.67*	
		For 1" Square x 14 Gauge Pickets, Add	*162.22*	
32 31 19 00-0058	EA	8' Wide x 3' High Steel Tube Double Swing Gate	1,947.41	48.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*427.17*	
		For Aluminum With Satin Finish, Add	*518.23*	
		For Third Rail, Add	*135.06*	
		For 1" Square x 14 Gauge Pickets, Add	*180.08*	
32 31 19 00-0059	EA	9' Wide x 3' High Steel Tube Double Swing Gate	2,040.85	50.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*447.80*	
		For Aluminum With Satin Finish, Add	*543.93*	
		For Third Rail, Add	*141.68*	
		For 1" Square x 14 Gauge Pickets, Add	*188.90*	
32 31 19 00-0060	EA	10' Wide x 3' High Steel Tube Double Swing Gate	2,116.63	52.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*464.47*	
		For Aluminum With Satin Finish, Add	*564.34*	
		For Third Rail, Add	*146.97*	
		For 1" Square x 14 Gauge Pickets, Add	*195.96*	
32 31 19 00-0061	EA	12' Wide x 3' High Steel Tube Double Swing Gate	2,381.04	62.59
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*521.64*	
		For Aluminum With Satin Finish, Add	*629.73*	
		For Third Rail, Add	*164.48*	
		For 1" Square x 14 Gauge Pickets, Add	*219.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0062	EA	14' Wide x 3' High Steel Tube Double Swing Gate	2,608.18	72.91
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*570.42*	
		For Aluminum With Satin Finish, Add	*683.93*	
		For Third Rail, Add	*179.19*	
		For 1" Square x 14 Gauge Pickets, Add	*238.92*	
32 31 19 00-0063	EA	16' Wide x 3' High Steel Tube Double Swing Gate	2,798.17	83.97
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*610.69*	
		For Aluminum With Satin Finish, Add	*726.05*	
		For Third Rail, Add	*190.96*	
		For 1" Square x 14 Gauge Pickets, Add	*254.62*	
32 31 19 00-0064	EA	18' Wide x 3' High Steel Tube Double Swing Gate	2,956.65	94.19
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*644.02*	
		For Aluminum With Satin Finish, Add	*759.65*	
		For Third Rail, Add	*200.52*	
		For 1" Square x 14 Gauge Pickets, Add	*267.37*	
32 31 19 00-0065	EA	20' Wide x 3' High Steel Tube Double Swing Gate	3,085.71	104.52
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*670.74*	
		For Aluminum With Satin Finish, Add	*784.43*	
		For Third Rail, Add	*207.88*	
		For 1" Square x 14 Gauge Pickets, Add	*277.17*	

32 31 19 00-0066 4' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0067	EA	3' Wide x 4' High Steel Tube Single Swing Gate	913.20	20.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*200.24*	
		For Aluminum With Satin Finish, Add	*242.59*	
		For Third Rail, Add	*63.26*	
		For 1" Square x 14 Gauge Pickets, Add	*84.35*	
32 31 19 00-0068	EA	3'-6" Wide x 4' High Steel Tube Single Swing Gate	988.37	24.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*216.96*	
		For Aluminum With Satin Finish, Add	*263.98*	
		For Third Rail, Add	*68.71*	
		For 1" Square x 14 Gauge Pickets, Add	*91.61*	
32 31 19 00-0069	EA	4' Wide x 4' High Steel Tube Single Swing Gate	1,066.11	25.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*234.07*	
		For Aluminum With Satin Finish, Add	*284.98*	
		For Third Rail, Add	*74.15*	
		For 1" Square x 14 Gauge Pickets, Add	*98.87*	
32 31 19 00-0070	EA	5' Wide x 4' High Steel Tube Single Swing Gate	1,130.12	27.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*248.08*	
		For Aluminum With Satin Finish, Add	*301.85*	
		For Third Rail, Add	*78.56*	
		For 1" Square x 14 Gauge Pickets, Add	*104.75*	
32 31 19 00-0071	EA	6' Wide x 4' High Steel Tube Single Swing Gate	1,217.26	33.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*266.45*	
		For Aluminum With Satin Finish, Add	*320.56*	
		For Third Rail, Add	*83.86*	
		For 1" Square x 14 Gauge Pickets, Add	*111.81*	
32 31 19 00-0072	EA	7' Wide x 4' High Steel Tube Single Swing Gate	1,335.79	38.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*291.88*	
		For Aluminum With Satin Finish, Add	*348.69*	
		For Third Rail, Add	*91.51*	
		For 1" Square x 14 Gauge Pickets, Add	*122.01*	
32 31 19 00-0073	EA	8' Wide x 4' High Steel Tube Single Swing Gate	1,499.44	44.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*327.46*	
		For Aluminum With Satin Finish, Add	*390.34*	
		For Third Rail, Add	*102.54*	
		For 1" Square x 14 Gauge Pickets, Add	*136.72*	
32 31 19 00-0074	EA	9' Wide x 4' High Steel Tube Single Swing Gate	1,659.16	49.58
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*362.16*	
		For Aluminum With Satin Finish, Add	*430.82*	
		For Third Rail, Add	*113.28*	
		For 1" Square x 14 Gauge Pickets, Add	*151.04*	
32 31 19 00-0075	EA	10' Wide x 4' High Steel Tube Single Swing Gate	1,811.03	55.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*395.09*	
		For Aluminum With Satin Finish, Add	*468.95*	
		For Third Rail, Add	*123.43*	
		For 1" Square x 14 Gauge Pickets, Add	*164.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0076	EA	6' Wide x 4' High Steel Tube Double Swing Gate	1,826.40	46.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*400.48*	
		For Aluminum With Satin Finish, Add	*485.18*	
		For Third Rail, Add	*126.52*	
		For 1" Square x 14 Gauge Pickets, Add	*168.70*	
32 31 19 00-0077	EA	7' Wide x 4' High Steel Tube Double Swing Gate	1,976.73	48.13
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*433.92*	
		For Aluminum With Satin Finish, Add	*527.95*	
		For Third Rail, Add	*137.41*	
		For 1" Square x 14 Gauge Pickets, Add	*183.21*	
32 31 19 00-0078	EA	8' Wide x 4' High Steel Tube Double Swing Gate	2,132.22	51.65
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*468.13*	
		For Aluminum With Satin Finish, Add	*569.95*	
		For Third Rail, Add	*148.30*	
		For 1" Square x 14 Gauge Pickets, Add	*197.73*	
32 31 19 00-0079	EA	9' Wide x 4' High Steel Tube Double Swing Gate	2,255.08	53.29
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*495.39*	
		For Aluminum With Satin Finish, Add	*604.48*	
		For Third Rail, Add	*157.12*	
		For 1" Square x 14 Gauge Pickets, Add	*209.50*	
32 31 19 00-0080	EA	10' Wide x 4' High Steel Tube Double Swing Gate	2,358.32	55.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*518.23*	
		For Aluminum With Satin Finish, Add	*633.13*	
		For Third Rail, Add	*164.48*	
		For 1" Square x 14 Gauge Pickets, Add	*219.31*	
32 31 19 00-0081	EA	12' Wide x 4' High Steel Tube Double Swing Gate	2,675.80	66.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*587.18*	
		For Aluminum With Satin Finish, Add	*713.51*	
		For Third Rail, Add	*185.81*	
		For 1" Square x 14 Gauge Pickets, Add	*247.75*	
32 31 19 00-0082	EA	14' Wide x 4' High Steel Tube Double Swing Gate	2,954.05	77.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*647.31*	
		For Aluminum With Satin Finish, Add	*782.11*	
		For Third Rail, Add	*204.20*	
		For 1" Square x 14 Gauge Pickets, Add	*272.27*	
32 31 19 00-0083	EA	16' Wide x 4' High Steel Tube Double Swing Gate	3,195.03	87.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*699.05*	
		For Aluminum With Satin Finish, Add	*839.53*	
		For Third Rail, Add	*219.80*	
		For 1" Square x 14 Gauge Pickets, Add	*293.06*	
32 31 19 00-0084	EA	18' Wide x 4' High Steel Tube Double Swing Gate	3,402.66	99.05
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*743.29*	
		For Aluminum With Satin Finish, Add	*886.95*	
		For Third Rail, Add	*232.89*	
		For 1" Square x 14 Gauge Pickets, Add	*310.52*	
32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate	3,578.90	110.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*780.47*	
		For Aluminum With Satin Finish, Add	*924.95*	
		For Third Rail, Add	*243.63*	
		For 1" Square x 14 Gauge Pickets, Add	*324.84*	

32 31 19 00-0086 5' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate	994.25	24.07
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*218.28*	
		For Aluminum With Satin Finish, Add	*265.74*	
		For Third Rail, Add	*69.15*	
		For 1" Square x 14 Gauge Pickets, Add	*92.20*	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate	1,048.45	25.82
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*230.09*	
		For Aluminum With Satin Finish, Add	*279.68*	
		For Third Rail, Add	*72.82*	
		For 1" Square x 14 Gauge Pickets, Add	*97.10*	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate	1,100.70	27.47
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*241.46*	
		For Aluminum With Satin Finish, Add	*293.03*	
		For Third Rail, Add	*76.36*	
		For 1" Square x 14 Gauge Pickets, Add	*101.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate	1,176.48	29.23
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*258.12*	
		For Aluminum With Satin Finish, Add	*313.44*	
		For Third Rail, Add	*81.65*	
		For 1" Square x 14 Gauge Pickets, Add	*108.87*	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate	1,278.39	35.11
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*279.74*	
		For Aluminum With Satin Finish, Add	*336.11*	
		For Third Rail, Add	*87.98*	
		For 1" Square x 14 Gauge Pickets, Add	*117.30*	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate	1,413.63	40.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*308.85*	
		For Aluminum With Satin Finish, Add	*368.78*	
		For Third Rail, Add	*96.80*	
		For 1" Square x 14 Gauge Pickets, Add	*129.07*	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate	1,602.90	47.10
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*350.04*	
		For Aluminum With Satin Finish, Add	*417.19*	
		For Third Rail, Add	*109.60*	
		For 1" Square x 14 Gauge Pickets, Add	*146.14*	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate	1,787.18	52.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*390.19*	
		For Aluminum With Satin Finish, Add	*464.58*	
		For Third Rail, Add	*122.11*	
		For 1" Square x 14 Gauge Pickets, Add	*162.81*	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate	1,967.55	58.77
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*429.45*	
		For Aluminum With Satin Finish, Add	*510.79*	
		For Third Rail, Add	*134.32*	
		For 1" Square x 14 Gauge Pickets, Add	*179.09*	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate	1,959.78	40.59
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*432.26*	
		For Aluminum With Satin Finish, Add	*535.79*	
		For Third Rail, Add	*138.29*	
		For 1" Square x 14 Gauge Pickets, Add	*184.39*	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate	2,075.21	47.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*456.78*	
		For Aluminum With Satin Finish, Add	*561.73*	
		For Third Rail, Add	*145.50*	
		For 1" Square x 14 Gauge Pickets, Add	*194.00*	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate	2,191.78	54.43
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*481.48*	
		For Aluminum With Satin Finish, Add	*587.50*	
		For Third Rail, Add	*152.71*	
		For 1" Square x 14 Gauge Pickets, Add	*203.61*	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate	2,352.34	61.25
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*516.15*	
		For Aluminum With Satin Finish, Add	*626.97*	
		For Third Rail, Add	*163.30*	
		For 1" Square x 14 Gauge Pickets, Add	*217.74*	
32 31 19 00-0100	EA	10' Wide x 5' High Steel Tube Double Swing Gate	2,493.27	67.96
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*546.42*	
		For Aluminum With Satin Finish, Add	*660.56*	
		For Third Rail, Add	*172.43*	
		For 1" Square x 14 Gauge Pickets, Add	*229.90*	
32 31 19 00-0101	EA	12' Wide x 5' High Steel Tube Double Swing Gate	2,838.51	75.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*622.48*	
		For Aluminum With Satin Finish, Add	*754.42*	
		For Third Rail, Add	*196.70*	
		For 1" Square x 14 Gauge Pickets, Add	*262.27*	
32 31 19 00-0102	EA	14' Wide x 5' High Steel Tube Double Swing Gate	3,148.77	83.86
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*690.49*	
		For Aluminum With Satin Finish, Add	*836.76*	
		For Third Rail, Add	*218.18*	
		For 1" Square x 14 Gauge Pickets, Add	*290.91*	
32 31 19 00-0103	EA	16' Wide x 5' High Steel Tube Double Swing Gate	3,425.98	93.06
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*750.91*	
		For Aluminum With Satin Finish, Add	*908.17*	
		For Third Rail, Add	*237.01*	
		For 1" Square x 14 Gauge Pickets, Add	*316.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0104	EA	18' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,675.22	103.38
		For Solid Pickets, Add	*804.77*	
		For Aluminum With Satin Finish, Add	*969.65*	
		For Third Rail, Add	*253.49*	
		For 1" Square x 14 Gauge Pickets, Add	*337.98*	
32 31 19 00-0105	EA	20' Wide x 5' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,896.48	114.96
		For Solid Pickets, Add	*852.08*	
		For Aluminum With Satin Finish, Add	*1,021.20*	
		For Third Rail, Add	*267.61*	
		For 1" Square x 14 Gauge Pickets, Add	*356.82*	

32 31 19 00-0106 6' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0107	EA	3' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,034.83	26.44
		For Solid Pickets, Add	*226.87*	
		For Aluminum With Satin Finish, Add	*274.66*	
		For Third Rail, Add	*71.65*	
		For 1" Square x 14 Gauge Pickets, Add	*95.53*	
32 31 19 00-0108	EA	3'-6" Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,088.00	27.88
		For Solid Pickets, Add	*238.53*	
		For Aluminum With Satin Finish, Add	*288.75*	
		For Third Rail, Add	*75.33*	
		For 1" Square x 14 Gauge Pickets, Add	*100.43*	
32 31 19 00-0109	EA	4' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,141.91	29.44
		For Solid Pickets, Add	*250.29*	
		For Aluminum With Satin Finish, Add	*302.73*	
		For Third Rail, Add	*79.00*	
		For 1" Square x 14 Gauge Pickets, Add	*105.34*	
32 31 19 00-0110	EA	5' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,208.18	31.30
		For Solid Pickets, Add	*264.79*	
		For Aluminum With Satin Finish, Add	*320.16*	
		For Third Rail, Add	*83.56*	
		For 1" Square x 14 Gauge Pickets, Add	*111.42*	
32 31 19 00-0111	EA	6' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,355.30	37.80
		For Solid Pickets, Add	*296.42*	
		For Aluminum With Satin Finish, Add	*355.47*	
		For Third Rail, Add	*93.13*	
		For 1" Square x 14 Gauge Pickets, Add	*124.17*	
32 31 19 00-0112	EA	7' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,512.22	44.41
		For Solid Pickets, Add	*330.26*	
		For Aluminum With Satin Finish, Add	*393.72*	
		For Third Rail, Add	*103.43*	
		For 1" Square x 14 Gauge Pickets, Add	*137.90*	
32 31 19 00-0113	EA	8' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,687.75	50.61
		For Solid Pickets, Add	*368.36*	
		For Aluminum With Satin Finish, Add	*438.01*	
		For Third Rail, Add	*115.19*	
		For 1" Square x 14 Gauge Pickets, Add	*153.59*	
32 31 19 00-0114	EA	9' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	1,856.46	57.12
		For Solid Pickets, Add	*404.84*	
		For Aluminum With Satin Finish, Add	*479.79*	
		For Third Rail, Add	*126.38*	
		For 1" Square x 14 Gauge Pickets, Add	*168.50*	
32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate Note: Includes mounting hardware and associated trim.	2,062.43	63.62
		For Solid Pickets, Add	*449.72*	
		For Aluminum With Satin Finish, Add	*532.75*	
		For Third Rail, Add	*140.35*	
		For 1" Square x 14 Gauge Pickets, Add	*187.14*	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,035.57	43.79
		For Solid Pickets, Add	*448.63*	
		For Aluminum With Satin Finish, Add	*554.43*	
		For Third Rail, Add	*143.30*	
		For 1" Square x 14 Gauge Pickets, Add	*191.06*	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	2,155.23	51.33
		For Solid Pickets, Add	*473.94*	
		For Aluminum With Satin Finish, Add	*580.62*	
		For Third Rail, Add	*150.65*	
		For 1" Square x 14 Gauge Pickets, Add	*200.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate	2,273.76	58.45
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*499.07*	
		For Aluminum With Satin Finish, Add	*606.98*	
		For Third Rail, Add	*158.01*	
		For 1" Square x 14 Gauge Pickets, Add	*210.68*	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate	2,416.98	66.00
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*529.68*	
		For Aluminum With Satin Finish, Add	*640.22*	
		For Third Rail, Add	*167.13*	
		For 1" Square x 14 Gauge Pickets, Add	*222.84*	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate	2,642.56	73.54
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*578.81*	
		For Aluminum With Satin Finish, Add	*698.19*	
		For Third Rail, Add	*182.43*	
		For 1" Square x 14 Gauge Pickets, Add	*243.24*	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate	3,099.93	81.90
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*679.93*	
		For Aluminum With Satin Finish, Add	*824.67*	
		For Third Rail, Add	*214.94*	
		For 1" Square x 14 Gauge Pickets, Add	*286.59*	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate	3,244.89	91.51
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*710.50*	
		For Aluminum With Satin Finish, Add	*855.88*	
		For Third Rail, Add	*223.77*	
		For 1" Square x 14 Gauge Pickets, Add	*298.36*	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate	3,562.79	101.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*779.81*	
		For Aluminum With Satin Finish, Add	*937.96*	
		For Third Rail, Add	*245.40*	
		For 1" Square x 14 Gauge Pickets, Add	*327.20*	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate	3,854.67	113.30
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*843.02*	
		For Aluminum With Satin Finish, Add	*1,010.70*	
		For Third Rail, Add	*264.82*	
		For 1" Square x 14 Gauge Pickets, Add	*353.09*	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate	4,125.59	126.42
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*901.16*	
		For Aluminum With Satin Finish, Add	*1,075.10*	
		For Third Rail, Add	*282.32*	
		For 1" Square x 14 Gauge Pickets, Add	*376.43*	

32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*

32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate	1,096.25	28.61
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*240.20*	
		For Aluminum With Satin Finish, Add	*290.16*	
		For Third Rail, Add	*75.77*	
		For 1" Square x 14 Gauge Pickets, Add	*101.02*	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate	1,151.81	30.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*252.36*	
		For Aluminum With Satin Finish, Add	*304.78*	
		For Third Rail, Add	*79.59*	
		For 1" Square x 14 Gauge Pickets, Add	*106.12*	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate	1,207.56	31.71
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*264.55*	
		For Aluminum With Satin Finish, Add	*319.37*	
		For Third Rail, Add	*83.42*	
		For 1" Square x 14 Gauge Pickets, Add	*111.22*	
32 31 19 00-0130	EA	5' Wide x 7' High Steel Tube Single Swing Gate	1,263.41	33.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*276.75*	
		For Aluminum With Satin Finish, Add	*333.94*	
		For Third Rail, Add	*87.24*	
		For 1" Square x 14 Gauge Pickets, Add	*116.32*	
32 31 19 00-0131	EA	6' Wide x 7' High Steel Tube Single Swing Gate	1,461.64	40.59
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*319.73*	
		For Aluminum With Satin Finish, Add	*383.65*	
		For Third Rail, Add	*100.48*	
		For 1" Square x 14 Gauge Pickets, Add	*133.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0132	EA	7' Wide x 7' High Steel Tube Single Swing Gate	1,643.14	47.50
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*359.02*	
		For Aluminum With Satin Finish, Add	*428.81*	
		For Third Rail, Add	*112.55*	
		For 1" Square x 14 Gauge Pickets, Add	*150.06*	
32 31 19 00-0133	EA	8' Wide x 7' High Steel Tube Single Swing Gate	1,774.69	54.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*386.99*	
		For Aluminum With Satin Finish, Add	*458.51*	
		For Third Rail, Add	*120.79*	
		For 1" Square x 14 Gauge Pickets, Add	*161.05*	
32 31 19 00-0134	EA	9' Wide x 7' High Steel Tube Single Swing Gate	1,924.81	61.55
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*419.22*	
		For Aluminum With Satin Finish, Add	*494.25*	
		For Third Rail, Add	*130.50*	
		For 1" Square x 14 Gauge Pickets, Add	*173.99*	
32 31 19 00-0135	EA	10' Wide x 7' High Steel Tube Single Swing Gate	2,109.31	68.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*459.10*	
		For Aluminum With Satin Finish, Add	*539.84*	
		For Third Rail, Add	*142.71*	
		For 1" Square x 14 Gauge Pickets, Add	*190.28*	
32 31 19 00-0136	EA	6' Wide x 7' High Steel Tube Double Swing Gate	2,154.51	46.89
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*474.71*	
		For Aluminum With Satin Finish, Add	*586.03*	
		For Third Rail, Add	*151.53*	
		For 1" Square x 14 Gauge Pickets, Add	*202.05*	
32 31 19 00-0137	EA	7' Wide x 7' High Steel Tube Double Swing Gate	2,279.23	54.85
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*501.07*	
		For Aluminum With Satin Finish, Add	*613.22*	
		For Third Rail, Add	*159.18*	
		For 1" Square x 14 Gauge Pickets, Add	*212.25*	
32 31 19 00-0138	EA	8' Wide x 7' High Steel Tube Double Swing Gate	2,405.09	63.21
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*527.60*	
		For Aluminum With Satin Finish, Add	*640.24*	
		For Third Rail, Add	*166.83*	
		For 1" Square x 14 Gauge Pickets, Add	*222.45*	
32 31 19 00-0139	EA	9' Wide x 7' High Steel Tube Double Swing Gate	2,531.78	71.16
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*554.40*	
		For Aluminum With Satin Finish, Add	*668.02*	
		For Third Rail, Add	*174.63*	
		For 1" Square x 14 Gauge Pickets, Add	*232.84*	
32 31 19 00-0140	EA	10' Wide x 7' High Steel Tube Double Swing Gate	2,851.83	79.53
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*624.62*	
		For Aluminum With Satin Finish, Add	*753.30*	
		For Third Rail, Add	*196.85*	
		For 1" Square x 14 Gauge Pickets, Add	*262.46*	
32 31 19 00-0141	EA	12' Wide x 7' High Steel Tube Double Swing Gate	3,448.80	88.72
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*756.98*	
		For Aluminum With Satin Finish, Add	*920.63*	
		For Third Rail, Add	*239.66*	
		For 1" Square x 14 Gauge Pickets, Add	*319.55*	
32 31 19 00-0142	EA	14' Wide x 7' High Steel Tube Double Swing Gate	3,408.85	99.46
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*745.69*	
		For Aluminum With Satin Finish, Add	*894.85*	
		For Third Rail, Add	*234.36*	
		For 1" Square x 14 Gauge Pickets, Add	*312.48*	
32 31 19 00-0143	EA	16' Wide x 7' High Steel Tube Double Swing Gate	3,692.88	110.93
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*807.13*	
		For Aluminum With Satin Finish, Add	*965.23*	
		For Third Rail, Add	*253.19*	
		For 1" Square x 14 Gauge Pickets, Add	*337.59*	
32 31 19 00-0144	EA	18' Wide x 7' High Steel Tube Double Swing Gate	4,032.46	124.04
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*880.72*	
		For Aluminum With Satin Finish, Add	*1,050.23*	
		For Third Rail, Add	*275.85*	
		For 1" Square x 14 Gauge Pickets, Add	*367.80*	
32 31 19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate	4,255.79	138.39
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*927.90*	
		For Aluminum With Satin Finish, Add	*1,098.83*	
		For Third Rail, Add	*289.53*	
		For 1" Square x 14 Gauge Pickets, Add	*386.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0146		8' Fence Height Steel Tube Swing Gates, 2 Rail *(32 31 19 00-0045)*		
32 31 19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate	1,191.45	30.98
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*261.11*	
		For Aluminum With Satin Finish, Add	*315.61*	
		For Third Rail, Add	*82.39*	
		For 1" Square x 14 Gauge Pickets, Add	*109.85*	
32 31 19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate	1,249.58	32.64
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*273.80*	
		For Aluminum With Satin Finish, Add	*330.72*	
		For Third Rail, Add	*86.36*	
		For 1" Square x 14 Gauge Pickets, Add	*115.15*	
32 31 19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate	1,311.63	34.40
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*287.37*	
		For Aluminum With Satin Finish, Add	*347.01*	
		For Third Rail, Add	*90.63*	
		For 1" Square x 14 Gauge Pickets, Add	*120.84*	
32 31 19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate	1,366.66	38.31
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*298.86*	
		For Aluminum With Satin Finish, Add	*358.18*	
		For Third Rail, Add	*93.86*	
		For 1" Square x 14 Gauge Pickets, Add	*125.15*	
32 31 19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate	1,617.02	43.37
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*354.07*	
		For Aluminum With Satin Finish, Add	*426.55*	
		For Third Rail, Add	*111.52*	
		For 1" Square x 14 Gauge Pickets, Add	*148.69*	
32 31 19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate	1,798.85	52.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*392.97*	
		For Aluminum With Satin Finish, Add	*469.01*	
		For Third Rail, Add	*123.14*	
		For 1" Square x 14 Gauge Pickets, Add	*164.19*	
32 31 19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate	1,877.63	60.84
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*408.76*	
		For Aluminum With Satin Finish, Add	*481.02*	
		For Third Rail, Add	*127.11*	
		For 1" Square x 14 Gauge Pickets, Add	*169.48*	
32 31 19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate	2,012.37	69.81
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*437.06*	
		For Aluminum With Satin Finish, Add	*509.36*	
		For Third Rail, Add	*135.20*	
		For 1" Square x 14 Gauge Pickets, Add	*180.27*	
32 31 19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate	2,129.44	78.80
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*461.39*	
		For Aluminum With Satin Finish, Add	*532.41*	
		For Third Rail, Add	*141.97*	
		For 1" Square x 14 Gauge Pickets, Add	*189.29*	
32 31 19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate	2,342.10	50.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*516.24*	
		For Aluminum With Satin Finish, Add	*638.21*	
		For Third Rail, Add	*164.92*	
		For 1" Square x 14 Gauge Pickets, Add	*219.90*	
32 31 19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate	2,481.49	60.42
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*545.38*	
		For Aluminum With Satin Finish, Add	*666.74*	
		For Third Rail, Add	*173.16*	
		For 1" Square x 14 Gauge Pickets, Add	*230.88*	
32 31 19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate	2,617.78	70.34
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*573.92*	
		For Aluminum With Satin Finish, Add	*694.84*	
		For Third Rail, Add	*181.25*	
		For 1" Square x 14 Gauge Pickets, Add	*241.67*	
32 31 19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate	2,731.67	80.77
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*597.33*	
		For Aluminum With Satin Finish, Add	*715.72*	
		For Third Rail, Add	*187.58*	
		For 1" Square x 14 Gauge Pickets, Add	*250.10*	
32 31 19 00-0160	EA	10' Wide x 8' High Steel Tube Double Swing Gate	3,175.11	91.09
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	*694.89*	
		For Aluminum With Satin Finish, Add	*835.46*	
		For Third Rail, Add	*218.62*	
		For 1" Square x 14 Gauge Pickets, Add	*291.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0161	EA	12' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,959.34	102.55
		For Solid Pickets, Add	*868.87*	
		For Aluminum With Satin Finish, Add	*1,055.90*	
		For Third Rail, Add	*274.97*	
		For 1" Square x 14 Gauge Pickets, Add	*366.62*	
32 31 19 00-0162	EA	14' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,616.29	115.67
		For Solid Pickets, Add	*788.87*	
		For Aluminum With Satin Finish, Add	*936.11*	
		For Third Rail, Add	*246.43*	
		For 1" Square x 14 Gauge Pickets, Add	*328.57*	
32 31 19 00-0163	EA	16' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	3,871.31	130.86
		For Solid Pickets, Add	*843.01*	
		For Aluminum With Satin Finish, Add	*993.19*	
		For Third Rail, Add	*262.31*	
		For 1" Square x 14 Gauge Pickets, Add	*349.75*	
32 31 19 00-0164	EA	18' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,266.24	147.48
		For Solid Pickets, Add	*928.29*	
		For Aluminum With Satin Finish, Add	*1,090.20*	
		For Third Rail, Add	*288.36*	
		For 1" Square x 14 Gauge Pickets, Add	*384.47*	
32 31 19 00-0165	EA	20' Wide x 8' High Steel Tube Double Swing Gate Note: Includes mounting hardware and associated trim.	4,351.01	166.18
		For Solid Pickets, Add	*943.36*	
		For Aluminum With Satin Finish, Add	*1,091.60*	
		For Third Rail, Add	*290.71*	
		For 1" Square x 14 Gauge Pickets, Add	*387.61*	
32 31 19 00-0166		Replace Steel Tube Fence Pickets *(32 31 19 00-0032)*		
32 31 19 00-0167	LF	Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket	30.70	
		For 1" Square x 14 Gauge Pickets, Add	*1.01*	
32 31 19 00-0168		Removal And Reinstallation Of Ornamental Fences *(32 31 19)* Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF	Removal And Reinstallation Of Ornamental Fence Up To 5' Height	46.47	
32 31 19 00-0170	LF	Removal And Reinstallation Of Ornamental Fence, 6' Height	51.12	
32 31 19 00-0171	LF	Removal And Reinstallation Of Ornamental Fence, 7' Height	55.78	
32 31 19 00-0172	LF	Removal And Reinstallation Of Ornamental Fence, 8' Height	60.42	
32 31 19 00-0173	LF	Removal And Reinstallation Of Ornamental Fence, 9' Height	65.07	
32 31 19 00-0174	LF	Removal And Reinstallation Of Ornamental Fence, 10' Height	69.71	
32 31 19 00-0175	LF	Removal And Reinstallation Of Ornamental Fence 12' Height	77.46	
32 31 23		**Plastic Fences and Gates** *(32 31)*		
32 31 23 00-0001		Vinyl Fence *(32 31 23)*		
32 31 23 00-0002		Privacy Tongue And Groove Vinyl Fence *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 5" x 5" posts installed 7' centers. Post includes flat cap.		
32 31 23 00-0003	LF	3' High Privacy Tongue And Groove Vinyl Fence	60.43	6.67
32 31 23 00-0004	LF	4' High Privacy Tongue And Groove Vinyl Fence	67.77	8.01
32 31 23 00-0005	LF	5' High Privacy Tongue And Groove Vinyl Fence	75.72	9.34
32 31 23 00-0006	LF	6' High Privacy Tongue And Groove Vinyl Fence	83.50	10.68
32 31 23 00-0007		Semi-Privacy 6" Picket Vinyl Fence *(32 31 23 00-0001)* Note: With 1-1/2" x 5-1/2" top and bottom rails, 2" x 3-1/2" mid rail, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0008	LF	5' High Semi-Privacy 6" Picket Vinyl Fence	81.03	9.34
32 31 23 00-0009	LF	6' High Semi-Privacy 6" Picket Vinyl Fence	88.86	10.68
32 31 23 00-0010		Picket Straight Top Vinyl Fence *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0011	LF	3' High Picket Straight Top Vinyl Fence	55.75	6.67
32 31 23 00-0012	LF	4' High Picket Straight Top Vinyl Fence	63.34	8.01
32 31 23 00-0013	LF	5' High Picket Straight Top Vinyl Fence	72.62	9.34
32 31 23 00-0014	LF	6' High Picket Straight Top Vinyl Fence	80.46	10.68
32 31 23 00-0015		Picket Scalloped Top Vinyl Fence *(32 31 23 00-0001)* Note: With 2-1/2" x 3-1/2" top rail, 1-1/2" x 5-1/2" bottom rail, 1-3/8" x 1-3/8" or 1" x 3" pickets, 5" x 5" posts installed 6' centers. Post includes flat cap.		
32 31 23 00-0016	LF	3' High Picket Scalloped Top Vinyl Fence	61.77	6.67
32 31 23 00-0017	LF	4' High Picket Scalloped Top Vinyl Fence	69.54	8.01
32 31 23 00-0018	LF	5' High Picket Scalloped Top Vinyl Fence	78.42	9.34
32 31 23 00-0019	LF	6' High Picket Scalloped Top Vinyl Fence	86.44	10.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 23 00-0020		Post And Rail Vinyl Fence, Ranch Style *(32 31 23 00-0001)*		
		Note: With 1-1/2" x 5-1/2" rails, 5" x 5" posts installed 8' centers. Post includes flat cap.		
32 31 23 00-0021	LF	5' High, 2 Rail, Post And Rail Vinyl Fence	22.87	6.67
32 31 23 00-0022	LF	6-1/2' High, 3 Rail, Post And Rail Vinyl Fence	29.31	8.01
32 31 23 00-0023	LF	7' High, 4 Rail, Post And Rail Vinyl Fence	33.72	8.67
32 31 23 00-0024		Post, Rails And Pickets (Traditional Style) Vinyl Fence *(32 31 23 00-0001)*		
		Note: With top and bottom 3" x 3" rails, 5" x 5" posts and 1-1/2" x 1-1/2" pickets. Post includes flat cap.		
32 31 23 00-0025	LF	3' High Rail And Picket Vinyl Fence, 72" On Center Posts	72.30	7.34
32 31 23 00-0026	LF	4' High Rail And Picket Vinyl Fence, 72" On Center Posts	79.03	8.67
32 31 23 00-0027	LF	3' High Rail And Picket Vinyl Fence, 96" On Center Posts	68.18	6.67
32 31 23 00-0028	LF	4' High Rail And Picket Vinyl Fence, 96" On Center Posts	74.22	8.01
32 31 23 00-0029		Vinyl Gates *(32 31 23)*		
32 31 23 00-0030		Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0029)*		
		Note: Includes hinges.		
32 31 23 00-0031		3' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*		
32 31 23 00-0032	EA	3' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	668.16	66.72
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0033	EA	3' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	708.93	70.06
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0034	EA	3' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	777.60	73.40
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0035	EA	3' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	871.05	76.74
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0036		4' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*		
32 31 23 00-0037	EA	4' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	708.93	70.06
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0038	EA	4' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	734.20	73.40
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0039	EA	4' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	815.26	76.74
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0040	EA	4' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	955.22	80.07
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0041		5' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*		
32 31 23 00-0042	EA	5' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	734.20	73.40
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0043	EA	5' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	765.66	76.74
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0044	EA	5' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	877.73	80.07
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0045	EA	5' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,023.89	83.41
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0046		6' High Gates For Privacy And Semi-Privacy Fences *(32 31 23 00-0030)*		
32 31 23 00-0047	EA	6' High x 3' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	772.34	80.07
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0048	EA	6' High x 4' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	803.81	83.41
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0049	EA	6' High x 5' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	968.57	86.75
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0050	EA	6' High x 6' Wide Vinyl Gate For Privacy Or Semi-Privacy Fence And Hinge Set	1,068.23	86.75
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0051		Gates For Picket Fences *(32 31 23 00-0029)*		
		Note: Includes hinges.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 31 23 00-0052 3' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0053	EA	3' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	640.26	66.72
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0054	EA	3' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	665.53	70.06
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0055	EA	3' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	746.60	73.40
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0056	EA	3' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	886.55	76.74
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0057 4' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0058	EA	4' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	646.93	70.06
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0059	EA	4' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	672.21	73.40
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0060	EA	4' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	753.26	76.74
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0061	EA	4' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	893.23	80.07
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0062 5' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0063	EA	5' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	672.21	73.40
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0064	EA	5' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	703.67	76.74
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0065	EA	5' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	815.74	80.07
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0066	EA	5' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	961.89	83.41
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0067 6' High Gates For Picket Fences *(32 31 23 00-0051)*

32 31 23 00-0068	EA	6' High x 3' Wide Vinyl Gate For Picket Style Fence And Hinge Set	710.35	80.07
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0069	EA	6' High x 4' Wide Vinyl Gate For Picket Style Fence And Hinge Set	741.81	83.41
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0070	EA	6' High x 5' Wide Vinyl Gate For Picket Style Fence And Hinge Set	906.58	86.75
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	
32 31 23 00-0071	EA	6' High x 6' Wide Vinyl Gate For Picket Style Fence And Hinge Set	1,006.24	90.08
		For Self-Closing Hinge Set, Add	*14.50*	
		For Self-Closing Stainless Steel Hinge Set, Add	*38.50*	

32 31 23 00-0072 Gates Accessories *(32 31 23 00-0029)*

32 31 23 00-0073	EA	Gate Stop/Drop Rod	144.94	
32 31 23 00-0074	EA	Latch Set	99.99	
32 31 23 00-0075	EA	Stainless Steel Latch Set	144.94	

32 31 26 Wire Fences and Gates *(32 31)*

32 31 26 13 Wire Fences with Steel Posts *(32 31 26)*

32 31 26 13-0001 Chicken Wire *(32 31 26 13)*

Note: Posts at 4'.

32 31 26 13-0002	LF	4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'	8.91	1.86
32 31 26 13-0003	LF	6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'	9.70	1.86

32 31 26 13-0004 Wire And Screen *(32 31 26 13)*

32 31 26 13-0005 Wire And Screen For Partitions And Fences *(32 31 26 13-0004)*

Note: Excludes framing and post.

32 31 26 13-0006 Screen Wire *(32 31 26 13-0005)*

32 31 26 13-0007	LF	Screen Wire, 48" Wide Rolls	15.15	1.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 26 13-0008		Hog Wire *(32 31 26 13-0005)*		
32 31 26 13-0009	SF	4" x 4" Hog Wire For Fencing	2.70	1.07
32 31 26 13-0010	SF	6" x 6" Hog Wire For Fencing	2.83	1.21
32 31 26 13-0011		Non-Climb Horse Fence *(32 31 26 13-0005)*		
32 31 26 13-0012	LF	4' Non-Climb Woven, 12.5 Gauge, Horse Fence	12.27	4.30
32 31 26 13-0013	LF	5' Non-Climb Woven, 12.5 Gauge, Horse Fence	15.72	5.37
32 31 26 13-0014	LF	6' Non-Climb Woven, 12.5 Gauge, Horse Fence	19.72	6.45
32 31 26 13-0015		Screen For Partitions And Ceilings *(32 31 26 13-0004)*		
		Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0016	SF	1" Mesh Chicken Wire	2.47	0.76
32 31 26 13-0017		Wicket Fence *(32 31 26 13)*		
32 31 26 13-0018	LF	Steel Wicket Fence, Painted	79.91	5.54

32 31 29 Wood Fences and Gates *(32 31)*

See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 29 00-0001		Basket Weave *(32 31 29)*		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0002	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post	46.72	3.71
		For Fastening With Screws Instead Of Nails, Add	*2.72*	
32 31 29 00-0003	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post	30.44	3.71
		For Fastening With Screws Instead Of Nails, Add	*1.94*	
32 31 29 00-0004		Board Fence *(32 31 29)*		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0005	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence	29.73	3.71
		For 1" x 6" Boards, Deduct	*-3.07*	
		For 1" x 3" Boards (Stockade Top), Add	*3.80*	
		For Fastening With Screws Instead Of Nails, Add	*1.91*	
32 31 29 00-0006	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence	33.13	3.71
		For 1" x 6" Boards, Deduct	*-3.34*	
		For 1" x 3" Boards (Stockade Top), Add	*4.12*	
		For Fastening With Screws Instead Of Nails, Add	*2.12*	
32 31 29 00-0007	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence	37.10	3.71
		For 1" x 6" Boards, Deduct	*-3.58*	
		For 1" x 3" Boards (Stockade Top), Add	*4.35*	
		For Fastening With Screws Instead Of Nails, Add	*2.33*	
32 31 29 00-0008	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence	39.66	3.71
		For 1" x 6" Boards, Deduct	*-3.77*	
		For 1" x 3" Boards (Stockade Top), Add	*4.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.48*	
32 31 29 00-0009	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence	42.42	3.71
		For 1" x 6" Boards, Deduct	*-3.96*	
		For 1" x 3" Boards (Stockade Top), Add	*4.77*	
		For Fastening With Screws Instead Of Nails, Add	*2.64*	
32 31 29 00-0010	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence	31.86	3.71
		For 1" x 6" Boards, Deduct	*-3.16*	
		For 1" x 3" Boards (Stockade Top), Add	*3.86*	
		For Fastening With Screws Instead Of Nails, Add	*2.02*	
32 31 29 00-0011	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence	34.77	3.71
		For 1" x 6" Boards, Deduct	*-3.41*	
		For 1" x 3" Boards (Stockade Top), Add	*4.16*	
		For Fastening With Screws Instead Of Nails, Add	*2.20*	
32 31 29 00-0012	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence	37.10	3.71
		For 1" x 6" Boards, Deduct	*-3.58*	
		For 1" x 3" Boards (Stockade Top), Add	*4.35*	
		For Fastening With Screws Instead Of Nails, Add	*2.33*	
32 31 29 00-0013	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence	39.66	3.71
		For 1" x 6" Boards, Deduct	*-3.77*	
		For 1" x 3" Boards (Stockade Top), Add	*4.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.48*	
32 31 29 00-0014	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence	42.42	3.71
		For 1" x 6" Boards, Deduct	*-3.96*	
		For 1" x 3" Boards (Stockade Top), Add	*4.77*	
		For Fastening With Screws Instead Of Nails, Add	*2.64*	
32 31 29 00-0015	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence	31.87	3.71
		For 1" x 6" Boards, Deduct	*-3.16*	
		For 1" x 3" Boards (Stockade Top), Add	*3.86*	
		For Fastening With Screws Instead Of Nails, Add	*2.02*	
32 31 29 00-0016	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence	42.05	3.71
		For 1" x 6" Boards, Deduct	*-3.70*	
		For 1" x 3" Boards (Stockade Top), Add	*4.38*	
		For Fastening With Screws Instead Of Nails, Add	*2.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0017	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence	44.07	3.71
		For 1" x 6" Boards, Deduct	*-3.86*	
		For 1" x 3" Boards (Stockade Top), Add	*4.56*	
		For Fastening With Screws Instead Of Nails, Add	*2.68*	
32 31 29 00-0018	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence	47.46	3.71
		For 1" x 6" Boards, Deduct	*-4.08*	
		For 1" x 3" Boards (Stockade Top), Add	*4.80*	
		For Fastening With Screws Instead Of Nails, Add	*2.87*	
32 31 29 00-0019	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence	51.12	3.71
		For 1" x 6" Boards, Deduct	*-4.31*	
		For 1" x 3" Boards (Stockade Top), Add	*5.04*	
		For Fastening With Screws Instead Of Nails, Add	*3.07*	
32 31 29 00-0020		**Shadow Box** *(32 31 29)*		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		
32 31 29 00-0021	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine	65.24	3.71
		For Fastening With Screws Instead Of Nails, Add	*3.65*	
32 31 29 00-0022	LF	Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar	82.05	3.71
		For Fastening With Screws Instead Of Nails, Add	*4.56*	
32 31 29 00-0023	LF	Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar	89.46	3.71
		For Fastening With Screws Instead Of Nails, Add	*4.95*	
32 31 29 00-0024	LF	Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar	96.14	3.71
		For Fastening With Screws Instead Of Nails, Add	*5.32*	
32 31 29 00-0025		**Open Rail Fence** *(32 31 29)*		
32 31 29 00-0026		**Post And Rail Fence, Ranch Style** *(32 31 29 00-0025)*		
32 31 29 00-0027	LF	Post And Rail Fence, 2 Rails, 3' High #1 Cedar	29.86	3.71
32 31 29 00-0028	LF	Post And Rail Fence, 2 Rails, 3' High #2 Cedar	23.10	3.71
32 31 29 00-0029	LF	Post And Rail Fence, 3 Rails, 4' High #1 Cedar	35.50	3.71
32 31 29 00-0030	LF	Post And Rail Fence, 3 Rails, 4' High #2 Cedar	24.96	3.71
32 31 29 00-0031		**Split Rail Fence** *(32 31 29 00-0025)*		
32 31 29 00-0032	LF	Split Rail Fence, 2 Rails, 3' High #1 Cedar	28.12	3.71
32 31 29 00-0033	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar	23.02	3.71
32 31 29 00-0034	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar	32.18	3.71
32 31 29 00-0035	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar	25.94	3.71
32 31 29 00-0036		**Picket Fence** *(32 31 29)*		
32 31 29 00-0037	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated	34.12	3.71
		For Fastening With Screws Instead Of Nails, Add	*2.15*	
32 31 29 00-0038	LF	Picket Fence, 2 Rail, 3' High #1 Cedar	31.79	3.71
		For Fastening With Screws Instead Of Nails, Add	*2.03*	
32 31 29 00-0039		**Wood Fence Post Accessories** *(32 31 29)*		
32 31 29 00-0040	EA	3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap	47.33	
32 31 29 00-0041	EA	4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap	53.13	
32 31 29 00-0042	EA	6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap	57.84	
32 31 29 00-0043	EA	8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap	85.79	
32 31 29 00-0044		**Wood Gate** *(32 31 29)*		
32 31 29 00-0045		**Board Fence Gates, Pressure Treated Wood** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).		
32 31 29 00-0046	EA	3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	486.26	150.81
32 31 29 00-0047	EA	3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	537.60	159.86
32 31 29 00-0048	EA	3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	600.99	174.94
32 31 29 00-0049	EA	3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	681.86	183.99
32 31 29 00-0050	EA	3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	762.75	193.03
32 31 29 00-0051	EA	>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	619.71	199.07
32 31 29 00-0052	EA	>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	674.74	208.11
32 31 29 00-0053	EA	>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	729.75	217.17
32 31 29 00-0054	EA	>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	821.71	226.22
32 31 29 00-0055	EA	>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	895.20	235.26
32 31 29 00-0056		**Board Fence Gates, Grade 2 Cedar** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0057	EA	3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	730.52	115.99
32 31 29 00-0058	EA	3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	755.52	122.96
32 31 29 00-0059	EA	3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	793.49	134.55
32 31 29 00-0060	EA	3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	836.95	141.51
32 31 29 00-0061	EA	3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	891.48	148.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0062	EA	>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	860.15	153.11
32 31 29 00-0063	EA	>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	892.52	160.07
32 31 29 00-0064	EA	>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	943.37	167.03
32 31 29 00-0065	EA	>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	994.22	173.99
32 31 29 00-0066	EA	>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,045.07	180.95
32 31 29 00-0067		**Board Fence Gates, Grade 1 Cedar** *(32 31 29 00-0044)*		
		Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)		
32 31 29 00-0068	EA	3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	785.91	115.99
32 31 29 00-0069	EA	3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	818.29	122.96
32 31 29 00-0070	EA	3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	859.96	134.55
32 31 29 00-0071	EA	3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	910.81	141.51
32 31 29 00-0072	EA	3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	961.64	148.48
32 31 29 00-0073	EA	>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	934.01	153.11
32 31 29 00-0074	EA	>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	966.38	160.07
32 31 29 00-0075	EA	>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,017.23	167.03
32 31 29 00-0076	EA	>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,068.08	173.99
32 31 29 00-0077	EA	>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware	1,137.39	180.95
32 31 29 00-0078		**Pressure Treated Wood Fence Posts** *(32 31 29)*		
		See CSI section 32 31 13 13-0001 for drilling augering, 32 31 56 00-0017 for barbed wire.		
32 31 29 00-0079	EA	4' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	46.30	15.08
32 31 29 00-0080	EA	6' High, Pressure Treated Wood Fence Posts, Set In Soil, Earth Fill	52.13	15.08
32 31 29 00-0081	EA	4' High, Pressure Treated Wood Fence Posts, Set In Concrete	81.54	28.95
32 31 29 00-0082	EA	6' High, Pressure Treated Wood Fence Posts, Set In Concrete	88.19	28.95
32 31 29 00-0083		**Wood Utility Pole Fence** *(32 31 29)*		
		Note: Excludes post holes. See CSI section 32 31 13 13-0001 for drilling augering and backfill.		
32 31 29 00-0084	LF	Wood Utility Pole Barrier Fence	57.13	3.71
		Note: Includes notching post, drilling and pinned with #5 rebar.		
32 31 29 00-0085		**Wood Rail Fence** *(32 31 29)*		
		Note: 3" diameter treated lodgepole pine rails, 6" diameter treated lodgepole pine post. Posts at 8' centers. Excludes post holes and fill		
32 31 29 00-0086	LF	4' Above Ground Wood Rail Fence, 3 - 3" Diameter Treated Lodgepole Pine Rails, 6" Diameter, 6' Overall Treated Lodgepole Pine Post	28.87	3.71
32 31 34		**Tubular Barrier Gates** *(32 31)*		
32 31 34 00-0001		**Tube Gate** *(32 31 34)*		
		See CSI section 32 31 13 13-0001 for augering post holes and concrete fill, 32 31 13 13-0647 for gate accessories.		
32 31 34 00-0002		**50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)*		
		Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering, concrete, bollard and chain.		
32 31 34 00-0003	EA	4' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	210.54	27.88
		For 13 Gauge Tubing, Add	*33.85*	
		For Galvanized Finish, Add	*19.19*	
32 31 34 00-0004	EA	6' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	273.66	36.14
		For 13 Gauge Tubing, Add	*43.89*	
		For Galvanized Finish, Add	*24.78*	
32 31 34 00-0005	EA	8' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	369.11	46.47
		For 13 Gauge Tubing, Add	*59.88*	
		For Galvanized Finish, Add	*34.45*	
32 31 34 00-0006	EA	10' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	425.99	57.84
		For 13 Gauge Tubing, Add	*67.64*	
		For Galvanized Finish, Add	*37.56*	
32 31 34 00-0007	EA	12' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	505.33	68.78
		For 13 Gauge Tubing, Add	*80.41*	
		For Galvanized Finish, Add	*44.82*	
32 31 34 00-0008	EA	14' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	551.87	77.46
		For 13 Gauge Tubing, Add	*87.14*	
		For Galvanized Finish, Add	*47.92*	
32 31 34 00-0009	EA	16' Wide, 50" Height, 2" Diameter 16 Gauge Powder Coated Tubing, Six Rail Tube Gate	647.89	89.33
		For 13 Gauge Tubing, Add	*102.73*	
		For Galvanized Finish, Add	*56.90*	
32 31 34 00-0010		**33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate** *(32 31 34 00-0001)*		
		Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.		
32 31 34 00-0011	EA	4' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	274.64	27.88
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*76.80*	
32 31 34 00-0012	EA	6' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	328.80	36.14
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*88.14*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 34 00-0013	EA	8' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	393.10	46.47
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*101.47*	
32 31 34 00-0014	EA	10' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	453.32	57.84
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*111.10*	
32 31 34 00-0015	EA	12' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	514.27	68.78
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*123.08*	
32 31 34 00-0016	EA	14' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	569.79	77.46
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*134.96*	
32 31 34 00-0017	EA	16' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	636.66	89.33
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*147.25*	
32 31 34 00-0018	EA	18' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	731.45	100.55
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*170.71*	
32 31 34 00-0019	EA	20' Wide, 33" Height, 1-3/4" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	814.27	112.47
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*201.77*	

32 31 34 00-0020 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate *(32 31 34 00-0001)*

Note: Round top edges. Includes lag bolt hinges, lock plate and hardware. Excludes augering and concrete.

32 31 34 00-0021	EA	4' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	297.14	27.88
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*85.80*	
32 31 34 00-0022	EA	6' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	350.92	36.14
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*96.99*	
32 31 34 00-0023	EA	8' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	408.10	46.47
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*107.47*	
32 31 34 00-0024	EA	10' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	475.19	57.84
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*119.84*	
32 31 34 00-0025	EA	12' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	530.08	68.78
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*129.41*	
32 31 34 00-0026	EA	14' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	606.70	77.46
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*149.73*	
32 31 34 00-0027	EA	16' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	676.74	89.33
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*163.28*	
32 31 34 00-0028	EA	18' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	792.60	100.55
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*195.17*	
32 31 34 00-0029	EA	20' Wide, 33" Height, 2" Diameter 16 Gauge Galvanized Steel Tubing, Six Rail Tube Gate	869.26	112.47
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*223.77*	

32 31 34 00-0030 Tubular Steel Barrier Gate (Triangular Shape) *(32 31 34 00-0001)*

Note: Includes posts, caps, welded hinges and lock keeper. Excludes augering, concrete, and bollards.

32 31 34 00-0031	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,450.39	57.84
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*816.66*	
32 31 34 00-0032	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	2,656.25	68.78
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*875.65*	
32 31 34 00-0033	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 3" Diameter Post	3,149.50	77.46
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*1,052.30*	
32 31 34 00-0034	EA	4' High x 10' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,544.35	57.84
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*853.92*	
32 31 34 00-0035	EA	4' High x 12' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	2,763.65	68.78
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*918.23*	
32 31 34 00-0036	EA	4' High x 14' Wide Opening Tubular Galvanized Steel Barrier Gate With 4" Diameter Post	3,256.89	77.46
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*1,094.88*	

32 31 34 00-0037 Four Rail Tube Gate, 1-1/2" Diameter Welded Galvanized Steel Tubing *(32 31 34 00-0001)*

Note: Excludes augering holes and concrete.

32 31 34 00-0038	EA	4' Four Rail Metal Frame Tube Gate, 1-1/2" Diameter Welded Galvanized Steel With Posts	475.93	27.88
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*41.65*	

32 31 34 00-0039 Tubular Horse Gate *(32 31 34 00-0001)*

Note: Includes posts, caps and hardware. Treated with Natina (or Equal) galvanized surface stain "rustic brown finish". Excludes augering holes and concrete.

32 31 34 00-0040	EA	5-1/2' Above Ground, 5' Wide Tubular Galvanized Steel Horse Gate With 3" Diameter Posts	2,998.13	27.88
		For Natina (or Equal) Galvanized Surface Stain "Rustic Brown Finish", Add	*806.78*	

32 31 34 00-0041 Pipe Gate *(32 31 34)*

Note: Excludes augering and concrete. See CSI section 32 31 13 13-0001 for augering post holes and concrete fill.

32 31 34 00-0042	EA	20' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	4,229.55	
32 31 34 00-0043	EA	25' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	5,291.03	
32 31 34 00-0044	EA	30' Galvanized Steel Pipe Gate, Swinging (Road Access Barrier)	6,306.04	

32 31 41 Precast Concrete Fences *(32 31)*

32 31 41 00-0001 Precast Post And Rail Fence, Ranch Style, With Integral Color Concrete. *(32 31 41)*

Note: Includes post holes, fill, spreading of excess material on site. See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 41 00-0002	LF	Precast Post And Rail Fence With Integral Color Concrete, 2 Rails, 3' Above Ground With 2' Bury Note: Includes 12" diameter holes with concrete fill for line posts and 18" diameter holes with concrete fill at corners.	71.66	3.71

32 31 56 Wild Life Deterrent Fence *(32 31)*

32 31 56 00-0001 Barbed Wire Fences *(32 31 56)*

Note: Excludes post holes and fill See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.

32 31 56 00-0002 Fence Posts *(32 31 56 00-0001)*

32 31 56 00-0003 Fence Post Soil, Set In Concrete *(32 31 56 00-0002)*

32 31 56 00-0004	EA	Barbed Wire Fence Post, Galvanized Set In Concrete In Soil	107.36	8.26
		For Bracing On Corner Post, End Post And Pull Post, Add	*173.44*	
32 31 56 00-0005	EA	Barbed Wire Fence Post, Vinyl Coated Set In Concrete In Soil	145.30	8.26
		For Bracing On Corner Post, End Post And Pull Post, Add	*236.80*	

32 31 56 00-0006 Post In Rock *(32 31 56 00-0002)*

32 31 56 00-0007	EA	Barbed Wire Fence Post, Galvanized Grouted In Rock	105.55	8.26
		For Bracing On Corner Post, End Post And Pull Post, Add	*170.72*	
32 31 56 00-0008	EA	Barbed Wire Fence Post, Vinyl Coated Grouted In Rock	143.49	8.26
		For Bracing On Corner Post, End Post And Pull Post, Add	*234.08*	

32 31 56 00-0009 Studded Steel T-Posts, Enamel Paint Finish *(32 31 56 00-0001)*

Note: Posts for barb wire, chain link or welded wire mesh.

32 31 56 00-0010	EA	5' Studded Steel T-Post, Driven Into Earth	27.39	
32 31 56 00-0011	EA	5'-6" Studded Steel T-Post, Driven Into Earth	28.06	
32 31 56 00-0012	EA	6' Studded Steel T-Post, Driven Into Earth	29.35	
32 31 56 00-0013	EA	6'-6" Studded Steel T-Post, Driven Into Earth	30.65	
32 31 56 00-0014	EA	7' Studded Steel T-Post, Driven Into Earth	32.36	
32 31 56 00-0015	EA	8' Studded Steel T-Post, Driven Into Earth	36.50	
32 31 56 00-0016	EA	10' Studded Steel T-Post, Driven Into Earth	44.59	

32 31 56 00-0017 Barbed Wire *(32 31 56 00-0001)*

Note: Per strand.

32 31 56 00-0018	LF	Galvanized Barbed Wire For Wild Life Deterrent Fencing, Per Strand	0.92	0.41
32 31 56 00-0019	LF	Vinyl Coated Barbed Wire, For Wild Life Deterrent Fencing, Per Strand	1.07	0.41

32 31 56 00-0020 Barbed Wire Fence, Farm Style, With Wood Posts *(32 31 56 00-0001)*

Note: Based on post at 10' centers, two corner post and two pull post per 300 lf.

32 31 56 00-0021	LF	4'-6" Height, Three (3) Strand Barbed Wire Fence With Wood Posts Note: Posts at 10' maximum.	11.90	2.69

32 32 Retaining Walls *(32 30)*

32 32 13 Cast-In-Place Concrete Retaining Wall *(32 32)*

Note: System includes all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0001 Concrete Retaining Walls *(32 32 13)*

Note: System elements include all necessary forms (4 uses), 3000 PSI concrete with an 8" chute, all necessary reinforcing steel, and underdrain. Exposed concrete is patched and rubbed. Excludes initial site grading, subbase preparation or finish grading.

32 32 13 00-0002	LF	4' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	406.02	149.10
		For >3:1 Sloped Soil At Top, Add	*9.17*	
32 32 13 00-0003	LF	6' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	506.40	183.46
		For >3:1 Sloped Soil At Top, Add	*11.85*	
32 32 13 00-0004	LF	8' High With Base, 10" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	551.53	197.90
		For >3:1 Sloped Soil At Top, Add	*13.24*	
32 32 13 00-0005	LF	10' High With Base, 13" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	702.30	244.69
		For >3:1 Sloped Soil At Top, Add	*18.11*	
32 32 13 00-0006	LF	12' High With Base, 14" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	809.36	281.06
		For >3:1 Sloped Soil At Top, Add	*21.01*	
32 32 13 00-0007	LF	16' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,171.08	412.32
		For >3:1 Sloped Soil At Top, Add	*29.46*	
32 32 13 00-0008	LF	20' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,607.77	569.23
		For >3:1 Sloped Soil At Top, Add	*39.88*	
32 32 13 00-0009	LF	4' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	446.15	162.83
		For >3:1 Sloped Soil At Top, Add	*10.24*	
32 32 13 00-0010	LF	6' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	545.99	196.19
		For >3:1 Sloped Soil At Top, Add	*13.07*	
32 32 13 00-0011	LF	8' High With Base, 12" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	578.01	204.71
		For >3:1 Sloped Soil At Top, Add	*14.33*	
32 32 13 00-0012	LF	10' High With Base, 16" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	794.90	274.35
		For >3:1 Sloped Soil At Top, Add	*20.92*	
32 32 13 00-0013	LF	12' High With Base, 18" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,008.07	352.40
		For >3:1 Sloped Soil At Top, Add	*25.78*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 13 00-0014	LF	16' High With Base, 21" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	1,511.80	534.16
		For >3:1 Sloped Soil At Top, Add	*37.70*	
32 32 13 00-0015	LF	20' High With Base, 24" Thick, Reinforced, Cast-In-Place Concrete Retaining Wall	2,133.61	754.00
		For >3:1 Sloped Soil At Top, Add	*53.18*	

32 32 16 Precast Concrete Retaining Walls *(32 32)*

32 32 16 00-0001 Precast Retaining Walls *(32 32 16)*

Note: Tied-back earth walls. Includes precast filter fabric, soil reinforcing mesh and cast-in-place coping. Excludes concrete leveling pad, or select earth excavation and backfill.

32 32 16 00-0002	SF	10-15' High, Tied-back, Precast Concrete Retaining Walls	106.53	15.36
32 32 16 00-0003	SF	16-20' High, Tied-back, Precast Concrete Retaining Walls	109.42	12.35
32 32 16 00-0004	SF	21-25' High, Tied-back, Precast Concrete Retaining Walls	113.52	10.28
32 32 16 00-0005	SF	26-30' High, Tied-back, Precast Concrete Retaining Walls	122.76	10.28
32 32 16 00-0006	SF	>30' High, Tied-back, Precast Concrete Retaining Walls	129.89	8.78

32 32 23 Segmental Retaining Walls *(32 32)*

32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls *(32 32 23)*

32 32 23 13-0001 Modular Retaining Wall Systems *(32 32 23 13)*

Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.

32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0003	SF	Up To 4' Height "Amastone" Type Modular Retaining Wall System	73.53	9.16
		For >3:1 Sloped Soil At Top, Add	*4.69*	
32 32 23 13-0004	SF	4 To 8' Height "Amastone" Type Modular Retaining Wall System	77.57	9.64
		For >3:1 Sloped Soil At Top, Add	*4.96*	
32 32 23 13-0005	SF	8 To 12' Height "Amastone" Type Modular Retaining Wall System	80.82	10.60
		For >3:1 Sloped Soil At Top, Add	*5.07*	
32 32 23 13-0006	SF	12 To 16' Height "Amastone" Type Modular Retaining Wall System	84.27	11.57
		For >3:1 Sloped Soil At Top, Add	*5.20*	

32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0008	SF	Up To 4' Height "Diamond" Type Modular Retaining Wall System	76.42	9.16
		For >3:1 Sloped Soil At Top, Add	*4.94*	
32 32 23 13-0009	SF	4 To 8' Height "Diamond" Type Modular Retaining Wall System	80.46	9.64
		For >3:1 Sloped Soil At Top, Add	*5.20*	
32 32 23 13-0010	SF	8 To 12' Height "Diamond" Type Modular Retaining Wall System	83.71	10.60
		For >3:1 Sloped Soil At Top, Add	*5.31*	
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System	87.16	11.57
		For >3:1 Sloped Soil At Top, Add	*5.44*	

32 32 23 13-0012 "Keystone" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System	83.31	9.16
		For >3:1 Sloped Soil At Top, Add	*5.53*	
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System	87.36	9.64
		For >3:1 Sloped Soil At Top, Add	*5.79*	
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System	90.61	10.60
		For >3:1 Sloped Soil At Top, Add	*5.90*	
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System	94.05	11.57
		For >3:1 Sloped Soil At Top, Add	*6.03*	

32 32 23 13-0017 "Criblock" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System	73.53	9.16
		For >3:1 Sloped Soil At Top, Add	*4.69*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System	77.57	9.64
		For >3:1 Sloped Soil At Top, Add	*4.96*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System	80.82	10.60
		For >3:1 Sloped Soil At Top, Add	*5.07*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System	84.27	11.57
		For >3:1 Sloped Soil At Top, Add	*5.20*	
		For Gravel Backfill Instead Of Earth, Add	*0.25*	

32 32 23 13-0022 "Versa-Lok" Type Modular Retaining Wall Systems *(32 32 23 13-0001)*

32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System	64.78	9.16
		For >3:1 Sloped Soil At Top, Add	*3.95*	
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System	71.70	9.64
		For >3:1 Sloped Soil At Top, Add	*4.46*	
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System	75.00	10.60
		For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System	77.91	11.57
		For >3:1 Sloped Soil At Top, Add	*4.66*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 23 13-0027		Retaining Wall Cap Block Restoration *(32 32 23 13-0001)* Note: Includes removal of existing cap block and installation of new cap block to match.		
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins	44.27	
		For >3:1 Sloped Soil At Top, Add	*2.51*	
32 32 26		**Metal Crib Retaining Walls** *(32 32)*		
32 32 26 00-0001		Bin Type Retaining Wall *(32 32 26)*		
32 32 26 00-0002		Vertical Bin Walls *(32 32 26 00-0001)* Note: Excludes excavation and backfill.		
32 32 26 00-0003	SF	5.5' Vertical Bin Retaining Wall, Wall Heights To 11'	77.39	
32 32 26 00-0004	SF	7.7' Vertical Bin Retaining Wall, Wall Heights, 8.33' To 16.33'	91.80	
32 32 26 00-0005	SF	9.9' Vertical Bin Retaining Wall, Wall Heights, 13.67' To 21.67'	106.96	
32 32 26 00-0006	SF	12.1' Vertical Bin Retain Wall, Wall Heights 17.67' To 25.67'	115.61	
32 32 26 00-0007	SF	14.3' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	129.12	
32 32 26 00-0008	SF	16.5' Vertical Bin Retain Wall, Wall Heights 20.33' To 28.33'	137.77	
32 32 26 00-0009		Battered Bin Walls *(32 32 26 00-0001)* Note: Excludes excavation and backfill.		
32 32 26 00-0010	SF	5.5' Battered Bin Retain Wall, Wall Heights To 11'	68.69	
32 32 26 00-0011	SF	7.7' Battered Bin Retain Wall, Wall Heights 8.33' To 16.33'	74.46	
32 32 26 00-0012	SF	9.9' Battered Bin Retain Wall, Wall Heights 13.67' To 21.67'	83.76	
32 32 26 00-0013	SF	12.1' Battered Bin Retain Wall, Wall Heights 17.67' To 25.67'	93.84	
32 32 26 00-0014	SF	14.3' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	109.84	
32 32 26 00-0015	SF	16.5' Battered Bin Retain Wall, Wall Heights 20.33' To 28.33'	112.72	
32 32 26 00-0016		Aluminized Steel Bin *(32 32 26)* Note: Excludes excavation and backfill.		
32 32 26 00-0017	SF	4' High, 5.5' Deep Aluminized Steel Bin	46.57	5.23
		For >3:1 Sloped Soil At Top, Add	*3.07*	
		For Galvanized Type, Deduct	*-3.61*	
32 32 26 00-0018	SF	8' High, 5.5' Deep Aluminized Steel Bin	52.16	5.23
		For >3:1 Sloped Soil At Top, Add	*3.54*	
		For Galvanized Type, Deduct	*-4.16*	
32 32 26 00-0019	SF	10' High, 7.7' Deep Aluminized Steel Bin	55.71	5.71
		For >3:1 Sloped Soil At Top, Add	*3.77*	
		For Galvanized Type, Deduct	*-4.43*	
32 32 26 00-0020	SF	12' High, 7.7' Deep Aluminized Steel Bin	63.46	6.45
		For >3:1 Sloped Soil At Top, Add	*4.30*	
		For Galvanized Type, Deduct	*-5.06*	
32 32 26 00-0021	SF	16' High, 7.7' Deep Aluminized Steel Bin	61.10	6.68
		For >3:1 Sloped Soil At Top, Add	*4.07*	
		For Galvanized Type, Deduct	*-4.78*	
32 32 26 00-0022	SF	16' High, 9.9' Deep Aluminized Steel Bin	68.11	6.81
		For >3:1 Sloped Soil At Top, Add	*4.64*	
		For Galvanized Type, Deduct	*-5.46*	
32 32 26 00-0023	SF	20' High, 9.9' Deep Aluminized Steel Bin	75.56	7.18
		For >3:1 Sloped Soil At Top, Add	*5.19*	
		For Galvanized Type, Deduct	*-6.11*	
32 32 26 00-0024	SF	20' High, 12.1' Deep Aluminized Steel Bin	77.36	7.54
		For >3:1 Sloped Soil At Top, Add	*5.30*	
		For Galvanized Type, Deduct	*-6.24*	
32 32 26 00-0025	SF	24' High, 12.1' Deep Aluminized Steel Bin	81.40	7.54
		For >3:1 Sloped Soil At Top, Add	*5.64*	
		For Galvanized Type, Deduct	*-6.63*	
32 32 26 00-0026	SF	24' High, 14.3' Deep Aluminized Steel Bin	85.42	7.67
		For >3:1 Sloped Soil At Top, Add	*5.97*	
		For Galvanized Type, Deduct	*-7.02*	
32 32 26 00-0027	SF	28' High, 14.3' Deep Aluminized Steel Bin	88.28	7.78
		For >3:1 Sloped Soil At Top, Add	*6.19*	
		For Galvanized Type, Deduct	*-7.28*	
32 32 29		**Timber Retaining Walls** *(32 32)*		
32 32 29 00-0001		Wood Post Retaining Walls *(32 32 29)* Note: System includes wood posts installed side-by-side to various heights, and underdrain. Excludes initial site grading, subbase preparation or finish grading.		
32 32 29 00-0002	LF	4" x 4", 1' High, Redwood, Wood Post Retaining Walls	90.84	33.04
		For >3:1 Sloped Soil At Top, Add	*2.11*	
32 32 29 00-0003	LF	4" x 4", 2' High, Redwood, Wood Post Retaining Walls	177.81	64.70
		For >3:1 Sloped Soil At Top, Add	*4.12*	
32 32 29 00-0004	LF	4" x 4", 1' High, Cedar, Wood Post Retaining Walls	87.67	33.04
		For >3:1 Sloped Soil At Top, Add	*1.84*	
32 32 29 00-0005	LF	4" x 4", 2' High, Cedar, Wood Post Retaining Walls	171.64	64.70
		For >3:1 Sloped Soil At Top, Add	*3.60*	
32 32 29 00-0006	LF	4" x 4", 1' High, Pressure Treated Lumber, Wood Post Retaining Walls	90.92	28.87
		For >3:1 Sloped Soil At Top, Add	*2.81*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0007		LF	4" x 4", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	178.00	56.47
			For >3:1 Sloped Soil At Top, Add	*5.52*	
32 32 29 00-0008		LF	4" x 4", 1' High, Creosoted Lumber, Wood Post Retaining Walls	72.26	25.62
			For >3:1 Sloped Soil At Top, Add	*1.78*	
32 32 29 00-0009		LF	4" x 4", 2' High, Creosoted Lumber, Wood Post Retaining Walls	130.66	46.38
			For >3:1 Sloped Soil At Top, Add	*3.22*	
32 32 29 00-0010		LF	6" x 6", 2' High, Redwood, Wood Post Retaining Walls	237.86	78.38
			For >3:1 Sloped Soil At Top, Add	*6.89*	
32 32 29 00-0011		LF	6" x 6", 4' High, Redwood, Wood Post Retaining Walls	469.36	153.63
			For >3:1 Sloped Soil At Top, Add	*13.79*	
32 32 29 00-0012		LF	6" x 6", 2' High, Cedar, Wood Post Retaining Walls	234.33	78.38
			For >3:1 Sloped Soil At Top, Add	*6.59*	
32 32 29 00-0013		LF	6" x 6", 4' High, Cedar, Wood Post Retaining Walls	460.54	153.63
			For >3:1 Sloped Soil At Top, Add	*13.04*	
32 32 29 00-0014		LF	6" x 6", 2' High, Pressure Treated Lumber, Wood Post Retaining Walls	232.82	63.66
			For >3:1 Sloped Soil At Top, Add	*8.96*	
32 32 29 00-0015		LF	6" x 6", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	462.37	125.69
			For >3:1 Sloped Soil At Top, Add	*17.93*	
32 32 29 00-0016		LF	6" x 6", 2' High, Creosoted Lumber, Wood Post Retaining Walls	162.73	50.90
			For >3:1 Sloped Soil At Top, Add	*5.17*	
32 32 29 00-0017		LF	6" x 6", 4' High, Creosoted Lumber, Wood Post Retaining Walls	319.96	99.60
			For >3:1 Sloped Soil At Top, Add	*10.27*	
32 32 29 00-0018		LF	8" x 8", 4' High, Redwood, Wood Post Retaining Walls	581.36	169.87
			For >3:1 Sloped Soil At Top, Add	*20.53*	
32 32 29 00-0019		LF	8" x 8", 6' High, Redwood, Wood Post Retaining Walls	1,087.31	317.12
			For >3:1 Sloped Soil At Top, Add	*38.52*	
32 32 29 00-0020		LF	8" x 8", 4' High, Cedar, Wood Post Retaining Walls	563.72	169.87
			For >3:1 Sloped Soil At Top, Add	*19.03*	
32 32 29 00-0021		LF	8" x 8", 6' High, Cedar, Wood Post Retaining Walls	1,053.80	317.12
			For >3:1 Sloped Soil At Top, Add	*35.67*	
32 32 29 00-0022		LF	8" x 8", 4' High, Pressure Treated Lumber, Wood Post Retaining Walls	642.08	195.95
			For >3:1 Sloped Soil At Top, Add	*21.26*	
32 32 29 00-0023		LF	8" x 8", 6' High, Pressure Treated Lumber, Wood Post Retaining Walls	1,197.86	365.93
			For >3:1 Sloped Soil At Top, Add	*39.61*	
32 32 29 00-0024		LF	8" x 8", 4' High, Creosoted Lumber, Wood Post Retaining Walls	462.22	158.38
			For >3:1 Sloped Soil At Top, Add	*12.36*	
32 32 29 00-0025		LF	8" x 8", 6' High, Creosoted Lumber, Wood Post Retaining Walls	857.31	293.81
			For >3:1 Sloped Soil At Top, Add	*22.93*	
32 32 29 00-0026		LF	4' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	174.73	65.28
			For >3:1 Sloped Soil At Top, Add	*3.75*	
32 32 29 00-0027		LF	6' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	261.22	97.98
			For >3:1 Sloped Soil At Top, Add	*5.55*	
32 32 29 00-0028		LF	8' High, Cedar, Random Diameter Poles, Wood Post Retaining Walls	347.59	130.56
			For >3:1 Sloped Soil At Top, Add	*7.34*	
32 32 29 00-0029		LF	4' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	117.02	36.87
			For >3:1 Sloped Soil At Top, Add	*3.67*	
32 32 29 00-0030		LF	6' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	169.95	53.22
			For >3:1 Sloped Soil At Top, Add	*5.40*	
32 32 29 00-0031		LF	8' High Creosoted Lumber, Random Diameter Poles, Wood Post Retaining Walls	230.09	71.88
			For >3:1 Sloped Soil At Top, Add	*7.34*	

32 32 29 00-0032 Post And Board Retaining Walls *(32 32 29)*

Note: System includes all the elements that must go into a wall that resists lateral pressure. System elements include posts and boards, cap, underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0033		LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Redwood, Post And Board Retaining Walls	71.19	19.60
			For >3:1 Sloped Soil At Top, Add	*2.72*	
32 32 29 00-0034		LF	4" x 4" Post, 2' Spacing, 4' High, 2" Planking, Redwood, Post And Board Retaining Walls	110.15	33.51
			For >3:1 Sloped Soil At Top, Add	*3.67*	
32 32 29 00-0035		LF	6" x 6" Post, 4' Spacing, 5' High 2" Planking, Redwood, Post And Board Retaining Walls	144.12	41.62
			For >3:1 Sloped Soil At Top, Add	*5.17*	
32 32 29 00-0036		LF	6" x 6" Post, 3' Spacing, 6' High, 2" Planking, Redwood, Post And Board Retaining Walls	201.67	59.02
			For >3:1 Sloped Soil At Top, Add	*7.12*	
32 32 29 00-0037		LF	6" x 6" With Deadman, 3' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	263.69	76.76
			For >3:1 Sloped Soil At Top, Add	*9.37*	
32 32 29 00-0038		LF	8" x 8" Post, 2' Spacing, 8' High, 2" Planking, Redwood, Post And Board Retaining Walls	540.05	151.89
			For >3:1 Sloped Soil At Top, Add	*20.08*	
32 32 29 00-0039		LF	8" x 8" With Deadman, 2' Spacing, 9' High, 2" Planking, Redwood, Post And Board Retaining Walls	609.70	168.24
			For >3:1 Sloped Soil At Top, Add	*23.23*	
32 32 29 00-0040		LF	4" x 4" Post, 4' Spacing, 3' High, 2" Planking, Cedar, Post And Board Retaining Walls	72.39	20.41
			For >3:1 Sloped Soil At Top, Add	*2.68*	
32 32 29 00-0041		LF	4" x 4" With Deadman, 2' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	127.18	36.30
			For >3:1 Sloped Soil At Top, Add	*4.65*	
32 32 29 00-0042		LF	6" x 6" Post, 4' Spacing, 4' High 2" Planking, Cedar, Post And Board Retaining Walls	124.99	35.60
			For >3:1 Sloped Soil At Top, Add	*4.57*	
32 32 29 00-0043		LF	6" x 6" Post, 3' Spacing, 5' High 2" Planking, Cedar, Post And Board Retaining Walls	175.42	51.13
			For >3:1 Sloped Soil At Top, Add	*6.22*	
32 32 29 00-0044		LF	6" x 6" Post, 2' Spacing, 6' High 2" Planking, Cedar, Post And Board Retaining Walls	273.51	81.63
			For >3:1 Sloped Soil At Top, Add	*9.37*	
32 32 29 00-0045		LF	6 x 6 Post With Deadman, 3' Spacing, 6' High, 2" Planking, Cedar	216.23	62.73
			For >3:1 Sloped Soil At Top, Add	*7.72*	
32 32 29 00-0046		LF	8 x 8 Post With Deadman, 2' Spacing, 8' High, 2" Planking, Cedar	558.57	156.77
			For >3:1 Sloped Soil At Top, Add	*20.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0047	LF	4 x 4 Post, 4' Spacing, 3' High 2" Planking, Pressure Treated	93.52	37.68
		For >3:1 Sloped Soil At Top, Add	*1.54*	
32 32 29 00-0048	LF	4 x 4 Post, 3' Spacing, 4' High 2" Planking, Pressure Treated	135.10	53.57
		For >3:1 Sloped Soil At Top, Add	*2.38*	
32 32 29 00-0049	LF	4 x 4 Post With Deadman, 2' Space, 5' High, 2" Planking, Pressure Treat	195.45	73.51
		For >3:1 Sloped Soil At Top, Add	*4.12*	
32 32 29 00-0050	LF	6 x 6 Post, 3' Spacing, 6' High, 2" Planking, Pressure Treated	342.51	124.07
		For >3:1 Sloped Soil At Top, Add	*8.02*	
32 32 29 00-0051	LF	6 x 6 Post, 2' Spacing, 7' High, 2" Planking, Pressure Treated	346.92	124.07
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 29 00-0052	LF	6 x 6 Post With Deadman, 3' Spacing 8' High, 2" Planking, Pressure Treat	326.60	119.20
		For >3:1 Sloped Soil At Top, Add	*7.49*	
32 32 29 00-0053	LF	8 x 8 Post With Deadman, 2' Spacing 10' High, 2" Planking, Pressure Treated	766.98	274.21
		For >3:1 Sloped Soil At Top, Add	*18.58*	
32 32 29 00-0054	LF	4 x 4 Post, 4' Spacing, 3' High Creosoted 2" Planking	93.52	37.68
		For >3:1 Sloped Soil At Top, Add	*1.54*	
32 32 29 00-0055	LF	4 x 4 Post, 3' Spacing, 4' High Creosoted, 2" Planking	135.10	53.57
		For >3:1 Sloped Soil At Top, Add	*2.38*	
32 32 29 00-0056	LF	4 x 4 Post With Deadman, 2' Spacing, 5' High, Creosoted, 2" Planking	195.45	73.51
		For >3:1 Sloped Soil At Top, Add	*4.12*	
32 32 29 00-0057	LF	6 x 6 Post, 3' Spacing, 6' High Creosoted, 2" Planking	245.48	91.48
		For >3:1 Sloped Soil At Top, Add	*5.32*	
32 32 29 00-0058	LF	6" x 6" Post, 2' Spacing, 7' High, 2" Planking, Creosoted, Post And Board Retaining Walls	342.51	124.07
		For >3:1 Sloped Soil At Top, Add	*8.02*	
32 32 29 00-0059	LF	6" x 6" Post With Deadman, 3' Spacing, 8' High, 2" Planking, Creosoted, Post And Board Retaining Walls	326.60	119.20
		For >3:1 Sloped Soil At Top, Add	*7.49*	
32 32 29 00-0060	LF	8" x 8" Post With Deadman, 2' Spacing, 10' High, Creosoted, 2" Planking, Post And Board Retaining Walls	766.98	274.21
		For >3:1 Sloped Soil At Top, Add	*18.58*	

32 32 29 00-0061 Wood Tie Retaining Walls, Rod Connector At 4' *(32 32 29)*

Note: The system includes all the elements that must go into a wall that resists lateral pressure. System elements include: wood ties, threaded rod (1/2" diameter), underdrain, and deadman where required. Excludes initial site grading, subbase preparation or finish grading.

32 32 29 00-0062 Redwood *(32 32 29 00-0061)*

32 32 29 00-0063	LF	2' High, 6" x 6" Wood Tie Wall	122.66	40.12
		For >3:1 Sloped Soil At Top, Add	*3.60*	
32 32 29 00-0064	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	279.86	91.48
		For >3:1 Sloped Soil At Top, Add	*8.24*	
32 32 29 00-0065	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	418.99	137.17
		For >3:1 Sloped Soil At Top, Add	*12.29*	
32 32 29 00-0066	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	402.62	117.57
		For >3:1 Sloped Soil At Top, Add	*14.24*	
32 32 29 00-0067	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	604.95	176.35
		For >3:1 Sloped Soil At Top, Add	*21.43*	
32 32 29 00-0068	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	798.75	231.89
		For >3:1 Sloped Soil At Top, Add	*28.48*	

32 32 29 00-0069 Cedar *(32 32 29 00-0061)*

32 32 29 00-0070	LF	2' High, 6" x 6" Wood Tie Wall	120.89	40.12
		For >3:1 Sloped Soil At Top, Add	*3.45*	
32 32 29 00-0071	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	274.57	91.48
		For >3:1 Sloped Soil At Top, Add	*7.79*	
32 32 29 00-0072	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	411.93	137.17
		For >3:1 Sloped Soil At Top, Add	*11.69*	
32 32 29 00-0073	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	390.28	117.57
		For >3:1 Sloped Soil At Top, Add	*13.19*	
32 32 29 00-0074	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	587.32	176.35
		For >3:1 Sloped Soil At Top, Add	*19.93*	
32 32 29 00-0075	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	774.06	231.89
		For >3:1 Sloped Soil At Top, Add	*26.38*	

32 32 29 00-0076 Creosoted Wood *(32 32 29 00-0061)*

32 32 29 00-0077	LF	2' High, 6" x 8" Wood Tie Wall	136.53	53.22
		For >3:1 Sloped Soil At Top, Add	*2.56*	
32 32 29 00-0078	LF	4' High, 6" x 8" Wood Tie Wall Deadman At 6'	312.86	122.44
		For >3:1 Sloped Soil At Top, Add	*5.77*	
32 32 29 00-0079	LF	6' High, 6" x 8" Wood Tie Wall Deadman At 6'	463.87	181.23
		For >3:1 Sloped Soil At Top, Add	*8.62*	
32 32 29 00-0080	LF	4' High, 7" x 9" Wood Tie Wall Deadman At 6'	628.87	246.51
		For >3:1 Sloped Soil At Top, Add	*11.54*	
32 32 29 00-0081	LF	6' High, 7" x 9" Wood Tie Wall Deadman At 6'	915.64	359.10
		For >3:1 Sloped Soil At Top, Add	*16.79*	
32 32 29 00-0082	LF	8' High, 7" x 9" Wood Tie Wall Deadman At 6'	1,214.94	476.08
		For >3:1 Sloped Soil At Top, Add	*22.33*	

32 32 29 00-0083 Pressure Treated Wood *(32 32 29 00-0061)*

32 32 29 00-0084	LF	2' High, 6" x 6" Wood Tie Wall	106.07	33.16
		For >3:1 Sloped Soil At Top, Add	*3.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 29 00-0085	LF	4' High, 6" x 6" Wood Tie Wall Deadman At 6'	241.04	75.14
		For >3:1 Sloped Soil At Top, Add	*7.72*	
32 32 29 00-0086	LF	6' High, 6" x 6" Wood Tie Wall Deadman At 6'	361.12	112.70
		For >3:1 Sloped Soil At Top, Add	*11.54*	
32 32 29 00-0087	LF	4' High, 8" x 8" Wood Tie Wall Deadman At 6'	395.29	135.54
		For >3:1 Sloped Soil At Top, Add	*10.57*	
32 32 29 00-0088	LF	6' High, 8" x 8" Wood Tie Wall Deadman At 6'	593.69	202.56
		For >3:1 Sloped Soil At Top, Add	*16.04*	
32 32 29 00-0089	LF	8' High, 8" x 8" Wood Tie Wall Deadman At 6'	787.25	269.35
		For >3:1 Sloped Soil At Top, Add	*21.13*	

32 32 53 Stone Retaining Walls *(32 32)*

32 32 53 00-0001 Stone Retaining Walls *(32 32 53)*

Note: Construction is either dry set or mortar set. System includes concrete base, crushed stone, underdrain, and backfill. Standard design to have 12" thick top with vertical backside and sloped face at 2" per foot of height. Excludes initial site grading, subbase preparation or finish grading.

32 32 53 00-0002 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $16.00/ton.

32 32 53 00-0003	LF	$16.00/ton 3' High Stone Retaining Wall, Dry Set	486.40	216.96
		For >3:1 Sloped Soil At Top, Add	*4.45*	
32 32 53 00-0004	LF	$16.00/ton 4' High Stone Retaining Wall, Dry Set	573.55	258.12
		For >3:1 Sloped Soil At Top, Add	*4.87*	
32 32 53 00-0005	LF	$16.00/ton 6' High Stone Retaining Wall, Dry Set	752.85	342.94
		For >3:1 Sloped Soil At Top, Add	*5.70*	
32 32 53 00-0006	LF	$16.00/ton 8' High Stone Retaining Wall, Dry Set	1,158.95	536.18
		For >3:1 Sloped Soil At Top, Add	*7.35*	
32 32 53 00-0007	LF	$16.00/ton 10' High Stone Retaining Wall, Dry Set	1,505.19	701.39
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0008	LF	$16.00/ton 12' High Stone Retaining Wall, Dry Set	1,867.56	873.44
		For >3:1 Sloped Soil At Top, Add	*10.25*	
32 32 53 00-0009	LF	$16.00/ton 3' High Stone Retaining Wall, Mortar Set	436.57	192.09
		For >3:1 Sloped Soil At Top, Add	*4.45*	
32 32 53 00-0010	LF	$16.00/ton 4' High Stone Retaining Wall, Mortar Set	511.87	227.28
		For >3:1 Sloped Soil At Top, Add	*4.87*	
32 32 53 00-0011	LF	$16.00/ton 6' High Stone Retaining Wall, Mortar Set	661.80	297.34
		For >3:1 Sloped Soil At Top, Add	*5.70*	
32 32 53 00-0012	LF	$16.00/ton 8' High Stone Retaining Wall, Mortar Set	1,012.39	462.93
		For >3:1 Sloped Soil At Top, Add	*7.35*	
32 32 53 00-0013	LF	$16.00/ton 10' High Stone Retaining Wall, Mortar Set	1,299.60	598.65
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0014	LF	$16.00/ton 12' High Stone Retaining Wall, Mortar Set	1,613.97	746.69
		For >3:1 Sloped Soil At Top, Add	*10.25*	

32 32 53 00-0015 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $32.00/ton.

32 32 53 00-0016	LF	$32.00/ton 3' High Stone Retaining Wall, Dry Set	502.24	216.96
		For >3:1 Sloped Soil At Top, Add	*5.80*	
32 32 53 00-0017	LF	$32.00/ton 4' High Stone Retaining Wall, Dry Set	595.48	258.12
		For >3:1 Sloped Soil At Top, Add	*6.73*	
32 32 53 00-0018	LF	$32.00/ton 6' High Stone Retaining Wall, Dry Set	784.53	342.94
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0019	LF	$32.00/ton 8' High Stone Retaining Wall, Dry Set	1,205.25	536.18
		For >3:1 Sloped Soil At Top, Add	*11.29*	
32 32 53 00-0020	LF	$32.00/ton 10' High Stone Retaining Wall, Dry Set	1,568.55	701.39
		For >3:1 Sloped Soil At Top, Add	*14.09*	
32 32 53 00-0021	LF	$32.00/ton 12' High Stone Retaining Wall, Dry Set	1,947.98	873.44
		For >3:1 Sloped Soil At Top, Add	*17.09*	
32 32 53 00-0022	LF	$32.00/ton 3' High Stone Retaining Wall, Mortar Set	452.41	192.09
		For >3:1 Sloped Soil At Top, Add	*5.80*	
32 32 53 00-0023	LF	$32.00/ton 4' High Stone Retaining Wall, Mortar Set	533.80	227.28
		For >3:1 Sloped Soil At Top, Add	*6.73*	
32 32 53 00-0024	LF	$32.00/ton 6' High Stone Retaining Wall, Mortar Set	693.48	297.34
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0025	LF	$32.00/ton 8' High Stone Retaining Wall, Mortar Set	1,058.69	462.93
		For >3:1 Sloped Soil At Top, Add	*11.29*	
32 32 53 00-0026	LF	$32.00/ton 10' High Stone Retaining Wall, Mortar Set	1,362.96	598.65
		For >3:1 Sloped Soil At Top, Add	*14.09*	
32 32 53 00-0027	LF	$32.00/ton 12' High Stone Retaining Wall, Mortar Set	1,694.39	746.69
		For >3:1 Sloped Soil At Top, Add	*17.09*	

32 32 53 00-0028 Stone Retaining Walls *(32 32 53 00-0001)*

Note: Stone at $48.00/ton.

32 32 53 00-0029	LF	$48.00/ton 3' High Stone Retaining Wall, Dry Set	519.30	216.96
		For >3:1 Sloped Soil At Top, Add	*7.25*	
32 32 53 00-0030	LF	$48.00/ton 4' High Stone Retaining Wall, Dry Set	617.17	258.12
		For >3:1 Sloped Soil At Top, Add	*8.58*	
32 32 53 00-0031	LF	$48.00/ton 6' High Stone Retaining Wall, Dry Set	814.99	342.94
		For >3:1 Sloped Soil At Top, Add	*10.98*	
32 32 53 00-0032	LF	$48.00/ton 8' High Stone Retaining Wall, Dry Set	1,251.55	536.18
		For >3:1 Sloped Soil At Top, Add	*15.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 32 53 00-0033	LF	$48.00/ton 10' High Stone Retaining Wall, Dry Set	1,631.91	701.39
		For >3:1 Sloped Soil At Top, Add	*19.47*	
32 32 53 00-0034	LF	$48.00/ton 12' High Stone Retaining Wall, Dry Set	2,029.61	873.44
		For >3:1 Sloped Soil At Top, Add	*24.03*	
32 32 53 00-0035	LF	$48.00/ton 3' High Stone Retaining Wall, Mortar Set	469.47	192.09
		For >3:1 Sloped Soil At Top, Add	*7.25*	
32 32 53 00-0036	LF	$48.00/ton 4' High Stone Retaining Wall, Mortar Set	555.73	227.28
		For >3:1 Sloped Soil At Top, Add	*8.60*	
32 32 53 00-0037	LF	$48.00/ton 6' High Stone Retaining Wall, Mortar Set	723.94	297.34
		For >3:1 Sloped Soil At Top, Add	*10.98*	
32 32 53 00-0038	LF	$48.00/ton 8' High Stone Retaining Wall, Mortar Set	1,104.99	462.93
		For >3:1 Sloped Soil At Top, Add	*15.22*	
32 32 53 00-0039	LF	$48.00/ton 10' High Stone Retaining Wall, Mortar Set	1,426.32	598.65
		For >3:1 Sloped Soil At Top, Add	*19.47*	
32 32 53 00-0040	LF	$48.00/ton 12' High Stone Retaining Wall, Mortar Set	1,776.02	746.69
		For >3:1 Sloped Soil At Top, Add	*24.03*	

32 32 53 00-0041 Stone Retaining Walls *(32 32 53 00-0001)*
Note: Stone at $64.00/ton.

32 32 53 00-0042	LF	$64.00/ton 3' High Stone Retaining Wall, Dry Set	536.36	216.96
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0043	LF	$64.00/ton 4' High Stone Retaining Wall, Dry Set	614.98	258.12
		For >3:1 Sloped Soil At Top, Add	*8.39*	
32 32 53 00-0044	LF	$64.00/ton 6' High Stone Retaining Wall, Dry Set	847.88	342.94
		For >3:1 Sloped Soil At Top, Add	*13.77*	
32 32 53 00-0045	LF	$64.00/ton 8' High Stone Retaining Wall, Dry Set	1,300.29	536.18
		For >3:1 Sloped Soil At Top, Add	*19.37*	
32 32 53 00-0046	LF	$64.00/ton 10' High Stone Retaining Wall, Dry Set	1,697.71	701.39
		For >3:1 Sloped Soil At Top, Add	*25.06*	
32 32 53 00-0047	LF	$64.00/ton 12' High Stone Retaining Wall, Dry Set	2,112.47	873.44
		For >3:1 Sloped Soil At Top, Add	*31.07*	
32 32 53 00-0048	LF	$64.00/ton 3' High Stone Retaining Wall, Mortar Set	486.53	192.09
		For >3:1 Sloped Soil At Top, Add	*8.70*	
32 32 53 00-0049	LF	$64.00/ton 4' High Stone Retaining Wall, Mortar Set	577.66	227.28
		For >3:1 Sloped Soil At Top, Add	*10.46*	
32 32 53 00-0050	LF	$64.00/ton 6' High Stone Retaining Wall, Mortar Set	756.83	297.34
		For >3:1 Sloped Soil At Top, Add	*13.77*	
32 32 53 00-0051	LF	$64.00/ton 8' High Stone Retaining Wall, Mortar Set	1,153.73	462.93
		For >3:1 Sloped Soil At Top, Add	*19.37*	
32 32 53 00-0052	LF	$64.00/ton 10' High Stone Retaining Wall, Mortar Set	1,492.12	598.65
		For >3:1 Sloped Soil At Top, Add	*25.06*	
32 32 53 00-0053	LF	$64.00/ton 12' High Stone Retaining Wall, Mortar Set	1,858.88	746.69
		For >3:1 Sloped Soil At Top, Add	*31.07*	

32 33 Site Furnishings *(32 30)*

32 33 13 Site Bicycle Racks *(32 33)*

32 33 13 00-0001 Bicycle Organizer And Rack *(32 33 13)*

32 33 13 00-0002 Vertical Style Bike Racks Single/Double Sided, Galvanized *(32 33 13 00-0001)*

32 33 13 00-0003 Double Sided *(32 33 13 00-0002)*

32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes	818.00	129.94
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes	1,230.24	213.47
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes	2,127.65	324.86

32 33 13 00-0007 Single Sided *(32 33 13 00-0002)*

32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes	715.73	116.02
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes	1,007.46	193.06
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes	1,733.27	290.05

32 33 13 00-0011 Anchor Set For Vertical Style Bike Rack *(32 33 13 00-0002)*

32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack Note: Anchoring frame to ground.	129.92	

32 33 13 00-0013 Bike Racks Ground Loop *(32 33 13 00-0001)*
Note: In-ground mount.

32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes	1,063.28	227.68

32 33 13 00-0015 Serpentine Bike Racks *(32 33 13 00-0001)*
Note: In-ground mount.

32 33 13 00-0016 Galvanized, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*

32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized	583.38	139.23
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized	802.41	150.83
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized	1,021.44	162.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized	1,268.44	174.03
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized	1,515.46	185.63
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized	1,650.56	197.24
32 33 13 00-0023		Galvanized, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized	665.40	139.23
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized	861.54	150.83
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized	1,057.68	162.43
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized	1,232.20	174.03
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized	1,428.35	185.63
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized	1,667.72	197.24
32 33 13 00-0030	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Galvanized	1,971.95	232.04
32 33 13 00-0031	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Galvanized	2,297.80	220.44
32 33 13 00-0032	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Galvanized	2,602.02	232.04
32 33 13 00-0033		Powder Coated, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0034	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated	583.38	139.23
32 33 13 00-0035	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated	802.41	150.83
32 33 13 00-0036	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated	1,021.44	162.43
32 33 13 00-0037	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated	1,268.44	174.03
32 33 13 00-0038	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated	1,515.46	185.63
32 33 13 00-0039	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated	1,650.56	197.24
32 33 13 00-0040		Powder Coated, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0041	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated	687.02	139.23
32 33 13 00-0042	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated	904.77	150.83
32 33 13 00-0043	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated	1,100.92	162.43
32 33 13 00-0044	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated	1,340.29	174.03
32 33 13 00-0045	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated	1,536.44	185.63
32 33 13 00-0046	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated	1,797.43	197.24
32 33 13 00-0047	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Powder Coated	2,144.88	232.04
32 33 13 00-0048	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Powder Coated	2,492.35	220.44
32 33 13 00-0049	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Powder Coated	2,818.19	232.04
32 33 13 00-0050		Stainless Steel, 36" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0051	EA	1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	1,134.47	139.23
32 33 13 00-0052	EA	3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,707.38	150.83
32 33 13 00-0053	EA	5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,280.33	162.43
32 33 13 00-0054	EA	7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	2,931.80	174.03
32 33 13 00-0055	EA	9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,583.26	185.63
32 33 13 00-0056	EA	11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	3,920.59	197.24
32 33 13 00-0057		Stainless Steel, 42" High, 2-3/8" OD Tubing *(32 33 13 00-0015)*		
32 33 13 00-0058	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel	881.57	139.23
32 33 13 00-0059	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel	1,985.63	150.83
32 33 13 00-0060	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel	2,614.12	162.43
32 33 13 00-0061	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel	3,199.37	174.03
32 33 13 00-0062	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel	3,806.24	185.63
32 33 13 00-0063	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel	4,434.72	197.24
32 33 13 00-0064	EA	13' x 42" High Serpentine Bike Rack, 15 Bikes, Stainless Steel	4,976.74	232.04
32 33 13 00-0065	EA	15' x 42" High Serpentine Bike Rack, 17 Bikes, Stainless Steel	5,734.93	220.44
32 33 13 00-0066	EA	17' x 42" High Serpentine Bike Rack, 19 Bikes, Stainless Steel	6,471.50	232.04
32 33 13 00-0067		Bike Racks Bollards/Bicycle Posts *(32 33 13 00-0001)*		
		Note: In-ground mount.		
32 33 13 00-0068	EA	43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G)	652.48	104.42
32 33 23		**Site Trash and Litter Receptacles** *(32 33)*		
32 33 23 00-0001		Steel Trash Containment *(32 33 23)*		
32 33 23 00-0002		Steel Frame Surrounded With Kiln-Dried Wood *(32 33 23 00-0001)*		
32 33 23 00-0003	EA	13" x 13" x 30" Ash Receptacle Steel Frame, Kiln Dried Wood	560.76	55.43
32 33 23 00-0004	EA	24" x 24" x 30" High Open Top Trash Container Steel Frame, Kiln Dried Wood	535.02	55.43
32 33 23 00-0005	EA	21" x 21" x 31" High Flat Top Trash Container Steel Frame, Kiln Dried Wood	535.02	55.43
32 33 23 00-0006	EA	24" x 24" x 31" High, Flat Top Trash Container Steel Frame, Kiln Dried Wood	506.06	55.43
32 33 23 00-0007	EA	18" x 18" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	560.76	55.43
32 33 23 00-0008	EA	23" x 23" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	506.06	55.43
32 33 23 00-0009	EA	24" x 24" x 37" High Dome Top Trash Container Steel Frame, Kiln Dried Wood	695.89	55.43
32 33 23 00-0010		Square Steel Frames Surrounded With Flat Steel *(32 33 23 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0011	EA	26" Diameter x 34" High Open Top Trash Square Container Steel Frame, Flat Steel Surround	1,019.68	55.43
32 33 23 00-0012	EA	26" Diameter x 34" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,101.44	55.43
32 33 23 00-0013	EA	26" Diameter x 39" High Dome Top Trash Square Container Steel Frame, Flat Steel Surround	1,101.44	55.43
32 33 23 00-0014		**Round Steel Pipe And Flat Steel Frames** *(32 33 23 00-0001)*		
		Note: Surrounded with kiln-dried wood.		
32 33 23 00-0015	EA	21" Diameter x 32" High Open Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,510.27	55.43
32 33 23 00-0016	EA	21" Diameter x 32" High Flat Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,627.08	55.43
32 33 23 00-0017	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe, Flat Steel Frame, Kiln Dried Wood	1,875.30	55.43
32 33 23 00-0018	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe, Flat Steel Frame, Kiln Dried Wood	1,700.08	55.43
32 33 23 00-0019		**Round Steel Pipe Surrounded With Perforated** *(32 33 23 00-0001)*		
32 33 23 00-0020	EA	21" Diameter x 32" High Open Top Trash Container Perforated Round Steel Pipe	1,349.66	55.43
32 33 23 00-0021	EA	21" Diameter x 32" High Flat Top Trash Container Perforated Round Steel Pipe	1,466.47	55.43
32 33 23 00-0022	EA	21" Diameter x 39" High Dome Top Trash Container Perforated Round Steel Pipe	1,714.68	55.43
32 33 23 00-0023	EA	21" Diameter x 40" High HPR Top Trash Container Perforated Round Steel Pipe	1,554.07	55.43
32 33 23 00-0024		**Round Steel Pipe Frames Surrounded With Welded Wire** *(32 33 23 00-0001)*		
32 33 23 00-0025	EA	21" Diameter x 32" High Flat Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,072.24	55.43
32 33 23 00-0026	EA	21" Diameter x 32" High Open Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,189.05	55.43
32 33 23 00-0027	EA	21" Diameter x 39" High Dome Top Trash Steel Container Pipe Frame, Welded Wire Surround	1,437.27	55.43
32 33 23 00-0028	EA	21" Diameter x 40" High HPR Top Trash Container Steel Pipe Frame, Welded Wire Surround	1,276.66	55.43
32 33 23 00-0029		**Litter Baskets** *(32 33 23)*		
32 33 23 00-0030		**Round Wire Litter Baskets** *(32 33 23 00-0029)*		
32 33 23 00-0031	EA	1.33' Diameter x 1.83' High Round Wire Litter Basket	189.68	5.64
32 33 23 00-0032	EA	1.5' Diameter x 1.83' High Round Wire Litter Basket	239.64	5.64
32 33 23 00-0033	EA	1.75' Diameter x 2.33' High Round Wire Litter Basket	324.43	5.64
32 33 23 00-0034	EA	1.83' Diameter x 2.83' High Round Wire Litter Basket	372.27	5.64
32 33 23 00-0035		**Trash Can/Wire Basket Holder** *(32 33 23 00-0029)*		
32 33 23 00-0036	EA	Steel Post, Single Holder	267.38	45.26
32 33 23 00-0037	EA	Steel Post, Double Holder	363.00	45.26
32 33 23 00-0038	EA	Redwood Post, Single Holder	146.92	45.26
32 33 23 00-0039	EA	Redwood Post, Double Holder	170.94	45.26
32 33 23 00-0040		**Litter Receptacles, Freestanding** *(32 33 23 00-0029)*		
		Note: Includes 1-1/2" outside diameter steel leg supports. Wall mounted, includes 3/8" x 3" steel wall plates. Surface mounted, includes 2-1/2" outside diameter steel tube with floor flange, embedded to include 2-1/2" outside diameter steel tube.		
32 33 23 00-0041	EA	16" Diameter x 28" High Litter Receptacle, Freestanding Or Embedded	1,526.23	23.10
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0042	EA	16" Diameter x 32" High Litter Receptacle, Freestanding Or Embedded	1,606.67	23.10
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0043	EA	20" Diameter x 36" High Litter Receptacle, Freestanding Or Embedded	1,871.07	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0044	EA	20" Diameter x 40" High Litter Receptacle, Freestanding Embedded	1,951.51	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0045	EA	16" Diameter x 28" High Litter Receptacle, Pole Mount With Pole	2,031.95	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0046	EA	16" Diameter x 32" High Litter Receptacle, Pole Mount With Pole	2,112.39	34.64
		For Powder Coated Sand Pan, Add	*50.00*	
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
32 33 23 00-0047	EA	16" Diameter x 28" High Litter Receptacle, Wall Mount	1,684.87	30.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	
32 33 23 00-0048	EA	16" Diameter x 32" High Litter Receptacle, Wall Mount	1,765.31	30.02
		For Powder Coated Sand Pan, Add	*50.00*	
		For Orange Peel Lid, Add	*25.00*	
		For Polished Granite Lid, Add	*50.00*	
		For 1-1/2" x 6" Diameter Metal Cover Plate , Add	*20.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 23 00-0049		Ash Receptacles *(32 33 23)*		
32 33 23 00-0050	EA	12" Diameter x 21" High Ash Receptacle, Freestanding Or Embedded	659.84	23.10
		For 1-1/2" x 8-1/2" Diameter Metal Cover Plate, Add	*22.50*	
		For Sand Pan, Add	*110.00*	
		For Bowl And Funnel, Add	*120.00*	
32 33 23 00-0051	EA	18" Square Concrete Exposed Aggregate x 36" High Ash Receptacles With 3-1/2" ID iron Pipe With Cap Square Concrete With Steel Liner	279.42	23.10
32 33 23 00-0052		Trash Receptacles *(32 33 23)*		
32 33 23 00-0053	EA	Outdoor Covered Steel Receptacle With Liner	1,252.75	23.10
32 33 23 00-0054	EA	Driftwood And Sable Receptacle, 35 Gallon With Liner And Frame	472.81	23.10
32 33 23 00-0055	EA	24" x 24" Square Trash Containment With Exposed Aggregate Finish	712.07	23.10
32 33 23 00-0056	EA	30" x 30" Square Trash Containment With Exposed Aggregate Finish	742.80	25.40
32 33 23 00-0057	EA	36" x 36" Square Trash Containment With Exposed Aggregate Finish	799.64	27.71
32 33 23 00-0058	EA	32 Gallon, Open Round Trash Receptacle, Recycled Plastic Lumber	546.97	18.47
32 33 23 00-0059	EA	32 Gallon, Round Trash Receptacle With Liner And Lid, Recycled Plastic Lumber	653.23	18.47
32 33 23 00-0060	EA	24" x 24" Square 18" High Trash Receptacle, Fiberglass	1,157.09	23.10
32 33 23 00-0061		Trash Containers (Dumpsters) *(32 33 23)*		
32 33 23 00-0062	EA	1 CY Straight Side Trash Dumpster	311.21	
32 33 23 00-0063	EA	1.5 CY Straight Side Trash Dumpster	466.82	
32 33 23 00-0064	EA	2 CY Straight Side Trash Dumpster	622.43	
32 33 23 00-0065	EA	2 CY Sloped Side Trash Dumpster	622.43	
32 33 23 00-0066	EA	3 CY Sloped Side Trash Dumpster	933.64	
32 33 23 00-0067	EA	4 CY Sloped Side Trash Dumpster	1,244.85	
32 33 23 00-0068	EA	6 CY Sloped Side Trash Dumpster	1,867.28	
32 33 23 00-0069	EA	8 CY Sloped Side Trash Dumpster	2,489.71	
32 33 33		**Site Manufactured Planters** *(32 33)*		
32 33 33 00-0001		Precast Concrete Planters *(32 33 33)*		
32 33 33 00-0002		Circular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0003	EA	24" Diameter, 17" Height, Circular Precast Concrete Planter	634.45	28.59
32 33 33 00-0004	EA	24" Diameter, 24" Height, Circular Precast Concrete Planter	711.53	34.31
32 33 33 00-0005	EA	24" Diameter, 33" Height, Circular Precast Concrete Planter	777.18	34.31
32 33 33 00-0006	EA	30" Diameter, 17" Height, Circular Precast Concrete Planter	844.60	40.03
32 33 33 00-0007	EA	30" Diameter, 30" Height, Circular Precast Concrete Planter	1,023.86	51.46
32 33 33 00-0008	EA	36" Diameter, 24" Height, Circular Precast Concrete Planter	1,112.67	51.46
32 33 33 00-0009	EA	36" Diameter, 30" Height, Circular Precast Concrete Planter	1,253.46	57.18
32 33 33 00-0010	EA	48" Diameter, 17" Height, Circular Precast Concrete Planter	1,322.96	57.18
32 33 33 00-0011	EA	48" Diameter, 24" Height, Circular Precast Concrete Planter	1,477.05	71.48
32 33 33 00-0012	EA	48" Diameter, 30" Height, Circular Precast Concrete Planter	1,571.14	76.05
32 33 33 00-0013	EA	48" Diameter, 36" Height, Circular Precast Concrete Planter	1,637.07	80.05
32 33 33 00-0014	EA	60" Diameter, 17" Height, Circular Precast Concrete Planter	1,486.04	71.48
32 33 33 00-0015	EA	60" Diameter, 24" Height, Circular Precast Concrete Planter	1,635.14	80.05
32 33 33 00-0016	EA	60" Diameter, 36" Height, Circular Precast Concrete Planter	2,088.71	85.77
32 33 33 00-0017	EA	72" Diameter, 36" Height, Circular Precast Concrete Planter	2,709.79	108.64
32 33 33 00-0018	EA	84" Diameter, 36" Height, Circular Precast Concrete Planter	3,144.04	114.36
32 33 33 00-0019		Square Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0020	EA	36" Square, 30" Height, Square Precast Concrete Planter	1,285.25	74.34
32 33 33 00-0021	EA	42" Square, 30" Height, Square Precast Concrete Planter	1,469.61	80.05
32 33 33 00-0022	EA	60" Square, 36" Height, Square Precast Concrete Planter	2,308.65	91.49
32 33 33 00-0023	EA	72" Square, 36" Height, Square Precast Concrete Planter	2,462.96	97.21
32 33 33 00-0024		Rectangular Precast Concrete Planters *(32 33 33 00-0001)*		
32 33 33 00-0025	EA	33" x 18", 20" Height, Rectangular Precast Concrete Planter	740.49	34.31
32 33 33 00-0026	EA	48" x 18", 20" Height, Rectangular Precast Concrete Planter	873.27	51.46
32 33 33 00-0027	EA	60" x 18", 20" Height, Rectangular Precast Concrete Planter	1,012.12	57.18
32 33 33 00-0028	EA	72" x 18", 20" Height, Rectangular Precast Concrete Planter	1,154.63	71.48
32 33 33 00-0029		Fiberglass Planters *(32 33 33)*		
32 33 33 00-0030		Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0031	EA	36" Diameter, 27" High, Circular Fiberglass Planter	2,082.50	28.59
32 33 33 00-0032	EA	60" Diameter, 39" High, Circular Fiberglass Planter	3,478.31	28.59
32 33 33 00-0033	EA	36" Diameter, 24" High, Circular Fiberglass Planter	1,382.10	28.59
32 33 33 00-0034	EA	60" Diameter, 24" High, Circular Fiberglass Planter	2,742.49	28.59
32 33 33 00-0035		Tapered Circular Fiberglass Planters *(32 33 33 00-0029)*		
32 33 33 00-0036	EA	24" Diameter, 20" High, Tapered Circular Fiberglass Planter	798.69	28.59

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0037	EA	30" Diameter, 25" High, Tapered Circular Fiberglass Planter	1,179.79	28.59
32 33 33 00-0038	EA	36" Diameter, 30" High, Tapered Circular Fiberglass Planter	2,117.92	28.59
32 33 33 00-0039	EA	40" Diameter, 36" High, Tapered Circular Fiberglass Planter	2,965.02	28.59
32 33 33 00-0040		**Square Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0041	EA	24" Square, 21" High, Square Fiberglass Planter	1,054.77	28.59
32 33 33 00-0042	EA	24" Square, 24" High, Square Fiberglass Planter	1,078.65	28.59
32 33 33 00-0043	EA	30" Square, 12" High, Square Fiberglass Planter	1,091.28	28.59
32 33 33 00-0044	EA	30" Square, 21" High, Square Fiberglass Planter	1,240.49	28.59
32 33 33 00-0045	EA	30" Square, 24" High, Square Fiberglass Planter	1,349.20	28.59
32 33 33 00-0046		**Rectangular Fiberglass Planters** *(32 33 33 00-0029)*		
32 33 33 00-0047	EA	48" x 12", 12" High, Rectangular Fiberglass Planter	1,216.86	28.59
32 33 33 00-0048	EA	48" x 12", 21" High, Rectangular Fiberglass Planter	1,306.01	28.59
32 33 33 00-0049	EA	48" x 24", 12" High, Rectangular Fiberglass Planter	1,707.48	28.59
32 33 33 00-0050	EA	48" x 24", 21" High, Rectangular Fiberglass Planter	1,885.78	28.59
32 33 33 00-0051		**Timber Planters** *(32 33 33)*		
32 33 33 00-0052		**Square Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0053	EA	14" Square, 30" High, Square Timber Planter	564.01	55.43
32 33 33 00-0054	EA	21" Square, 30" High, Square Timber Planter	564.01	55.43
32 33 33 00-0055	EA	27" Square, 30" High, Square Timber Planter	1,068.84	55.43
32 33 33 00-0056	EA	34" Square, 30" High, Square Timber Planter	926.63	55.43
32 33 33 00-0057	EA	41" Square, 36" High, Square Timber Planter	1,104.39	55.43
32 33 33 00-0058	EA	54" Square, 36" High, Square Timber Planter	2,839.28	55.43
32 33 33 00-0059	EA	81" Square, 36" High, Square Timber Planter	4,268.43	55.43
32 33 33 00-0060		**Rectangular Timber Planters** *(32 33 33 00-0051)*		
32 33 33 00-0061	EA	21" x 14", 30" High, Rectangular Timber Planter	556.90	55.43
32 33 33 00-0062	EA	27" x 14", 30" High, Rectangular Timber Planter	620.89	55.43
32 33 33 00-0063	EA	27" x 21", 30" High, Rectangular Timber Planter	812.87	55.43
32 33 33 00-0064	EA	34" x 21", 30" High, Rectangular Timber Planter	898.19	55.43
32 33 33 00-0065	EA	41" x 21", 30" High, Rectangular Timber Planter	1,154.16	55.43
32 33 33 00-0066	EA	34" x 27", 30" High, Rectangular Timber Planter	1,339.03	55.43
32 33 33 00-0067	EA	41" x 27", 30" High, Rectangular Timber Planter	1,495.45	55.43
32 33 33 00-0068	EA	54" x 27", 30" High, Rectangular Timber Planter	1,943.39	55.43
32 33 33 00-0069	EA	54" x 34", 30" High, Rectangular Timber Planter	2,192.25	55.43
32 33 33 00-0070	EA	68" x 34", 36" High, Rectangular Timber Planter	2,497.99	55.43
32 33 33 00-0071	EA	54" x 41", 36" High, Rectangular Timber Planter	2,377.12	55.43
32 33 33 00-0072	EA	68" x 41", 36" High, Rectangular Timber Planter	2,689.97	55.43
32 33 33 00-0073	EA	81" x 41", 36" High, Rectangular Timber Planter	3,009.93	55.43
32 33 43		**Site Seating and Tables** *(32 33)*		
32 33 43 13		**Site Seating** *(32 33 43)*		
32 33 43 13-0001		**Benches (Landscapeforms)** *(32 33 43 13)*		
		Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.		
32 33 43 13-0002	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade)	1,642.81	92.38
32 33 43 13-0003	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Balustrade)	2,051.06	92.38
32 33 43 13-0004	EA	96" Backed Wood Bench (Landscapeforms Balustrade)	2,313.51	92.38
32 33 43 13-0005	EA	End Loop Arms For Backed Bench (Landscapeforms Balustrade)	192.00	23.10
32 33 43 13-0006	EA	72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's)	1,794.95	92.38
32 33 43 13-0007	EA	96" Backless Wood Bench (Landscapeforms Gretchen's)	2,029.51	92.38
32 33 43 13-0008	EA	72" Backed Wood Or PolySite Bench (Landscapeforms Gretchen's)	2,213.35	92.38
32 33 43 13-0009	EA	96" Backed Wood Bench (Landscapeforms Gretchen's)	2,498.61	92.38
32 33 43 13-0010	EA	72" Backed Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's)	2,530.31	92.38
32 33 43 13-0011	EA	96" Backed Wood Bench With Armrest (Landscapeforms Gretchen's)	2,815.58	92.38
32 33 43 13-0012	EA	59" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,281.64	92.38
32 33 43 13-0013	EA	75" Backed Wood Or Metal Rod Bench (Landscapeforms Hyde Park)	3,565.90	92.38
32 33 43 13-0014	EA	42" Backless Metal Grid Bench (Landscapeforms Manistee)	931.50	69.29
32 33 43 13-0015	EA	62" Backless Metal Grid Bench (Landscapeforms Manistee)	1,006.30	69.29
32 33 43 13-0016	EA	72" Backless Metal Grid Bench (Landscapeforms Manistee)	1,089.24	80.84
32 33 43 13-0017	EA	82" Backless Metal Grid Bench (Landscapeforms Manistee)	1,268.77	80.84
32 33 43 13-0018	EA	42" Backed Metal Grid Bench (Landscapeforms Manistee)	1,164.04	80.84
32 33 43 13-0019	EA	62" Backed Metal Grid Bench (Landscapeforms Manistee)	1,238.84	80.84
32 33 43 13-0020	EA	72" Backed Metal Grid Bench (Landscapeforms Manistee)	1,336.75	92.38
32 33 43 13-0021	EA	82" Backed Metal Grid Bench (Landscapeforms Manistee)	1,531.24	92.38
32 33 43 13-0022	EA	42" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,298.69	80.84
32 33 43 13-0023	EA	62" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,396.59	92.38
32 33 43 13-0024	EA	72" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,471.39	92.38
32 33 43 13-0025	EA	82" Backed Metal Grid Bench With Armrest Each End (Landscapeforms Manistee)	1,665.88	92.38
32 33 43 13-0026	EA	72" Backless Solid Wood Bench (Landscapeforms Palisade)	2,644.42	92.38
32 33 43 13-0027	EA	96" Backless Solid Wood Bench (Landscapeforms Palisade)	3,037.45	92.38
32 33 43 13-0028	EA	70" Backless Perforated Metal Bench (Landscapeforms Petoskey)	1,701.13	92.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0029	EA	70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,051.06	92.38
32 33 43 13-0030	EA	70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey)	2,226.02	92.38
32 33 43 13-0031	EA	72" Backed Wood Bench (Landscapeforms Plainwell)	2,168.97	92.38
32 33 43 13-0032	EA	72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,403.53	92.38
32 33 43 13-0033	EA	96" Backed Wood Bench (Landscapeforms Plainwell)	2,657.10	92.38
32 33 43 13-0034	EA	96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell)	2,891.65	92.38
32 33 43 13-0035	EA	96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell)	3,132.54	92.38
32 33 43 13-0036	EA	72" Backed Aluminum Bench (Landscapeforms Plainwell)	2,758.53	92.38
32 33 43 13-0037	EA	72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	2,993.08	92.38
32 33 43 13-0038	EA	96" Backed Aluminum Bench (Landscapeforms Plainwell)	3,379.78	92.38
32 33 43 13-0039	EA	96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell)	3,627.01	92.38
32 33 43 13-0040	EA	96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell)	3,855.22	92.38
32 33 43 13-0041	EA	Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	629.42	23.10
32 33 43 13-0042	EA	Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	844.95	23.10
32 33 43 13-0043	EA	Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	844.95	23.10
32 33 43 13-0044	EA	Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus)	768.88	23.10
32 33 43 13-0045	EA	Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0046	EA	Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0047	EA	Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus)	952.72	23.10
32 33 43 13-0048	EA	Armrest For Metal Grid Seats (Landscapeforms Plexus)	192.00	23.10
32 33 43 13-0049	EA	Backless Straight Metal Grid Seats (Landscapeforms Presidio)	882.99	23.10
32 33 43 13-0050	EA	Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	978.08	23.10
32 33 43 13-0051	EA	Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,073.17	23.10
32 33 43 13-0052	EA	Backless Angled Metal Grid Seats (Landscapeforms Presidio)	1,066.83	23.10
32 33 43 13-0053	EA	Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,161.92	23.10
32 33 43 13-0054	EA	Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,257.01	23.10
32 33 43 13-0055	EA	Backed Straight Metal Grid Seats (Landscapeforms Presidio)	1,054.15	23.10
32 33 43 13-0056	EA	Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,149.24	23.10
32 33 43 13-0057	EA	Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,244.33	23.10
32 33 43 13-0058	EA	Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,288.70	23.10
32 33 43 13-0059	EA	Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,383.79	23.10
32 33 43 13-0060	EA	Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,478.88	23.10
32 33 43 13-0061	EA	Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio)	1,288.70	23.10
32 33 43 13-0062	EA	Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio)	1,383.79	23.10
32 33 43 13-0063	EA	Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio)	1,478.88	23.10
32 33 43 13-0064	EA	48" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,769.59	92.38
32 33 43 13-0065	EA	72" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	1,794.95	92.38
32 33 43 13-0066	EA	96" Backless Horizontal Strap Bench (Landscapeforms Scarborough)	2,181.65	92.38
32 33 43 13-0067	EA	48" Backless Woven Bench (Landscapeforms Scarborough)	2,644.42	92.38
32 33 43 13-0068	EA	72" Backless Woven Bench (Landscapeforms Scarborough)	3,119.87	92.38
32 33 43 13-0069	EA	96" Backless Woven Bench (Landscapeforms Scarborough)	3,569.96	92.38
32 33 43 13-0070	EA	24" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,427.27	92.38
32 33 43 13-0071	EA	48" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,896.38	92.38
32 33 43 13-0072	EA	72" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	1,940.76	92.38
32 33 43 13-0073	EA	72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,232.36	92.38
32 33 43 13-0074	EA	96" Backed Horizontal Strap Bench (Landscapeforms Scarborough)	2,517.63	92.38
32 33 43 13-0075	EA	96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough)	2,815.58	92.38
32 33 43 13-0076	EA	96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough)	3,107.19	92.38
32 33 43 13-0077	EA	24" Backed Woven Bench (Landscapeforms Scarborough)	2,517.63	92.38
32 33 43 13-0078	EA	48" Backed Woven Bench (Landscapeforms Scarborough)	3,043.79	92.38
32 33 43 13-0079	EA	72" Backed Woven Bench (Landscapeforms Scarborough)	3,557.28	92.38
32 33 43 13-0080	EA	72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	3,855.22	92.38
32 33 43 13-0081	EA	96" Backed Woven Bench (Landscapeforms Scarborough)	4,489.15	92.38
32 33 43 13-0082	EA	96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough)	4,780.76	92.38
32 33 43 13-0083	EA	96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough)	5,066.03	92.38
32 33 43 13-0084	EA	32" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,207.65	80.84
32 33 43 13-0085	EA	49" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,454.89	80.84
32 33 43 13-0086	EA	49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square)	1,588.01	80.84
32 33 43 13-0087	EA	70" Backed Strap Or Perforated Bench (Landscapeforms Town Square)	1,858.35	92.38
32 33 43 13-0088	EA	70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square)	2,105.58	92.38

32 33 43 13-0089 Benches (Columbia Cascade, TimberForm) *(32 33 43 13)*

32 33 43 13-0090 Wood Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0091	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E)	891.43	46.20
32 33 43 13-0092	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E)	1,023.55	46.20
32 33 43 13-0093	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E)	1,314.17	46.20
32 33 43 13-0094	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P)	931.09	46.20
32 33 43 13-0095	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P)	1,063.19	46.20
32 33 43 13-0096	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P)	1,367.02	46.20
32 33 43 13-0097	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E)	1,367.02	46.20
32 33 43 13-0098	EA	94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E)	1,591.59	46.20
32 33 43 13-0099	EA	118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E)	2,053.93	46.20
32 33 43 13-0100	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P)	1,433.07	46.20
32 33 43 13-0101	EA	94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P)	1,657.64	46.20
32 33 43 13-0102	EA	118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P)	2,146.40	46.20
32 33 43 13-0103	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E)	2,648.38	46.20
32 33 43 13-0104	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E)	3,110.73	46.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0105	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E)	4,075.06	46.20
32 33 43 13-0106	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P)	2,714.43	46.20
32 33 43 13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P)	3,176.78	46.20
32 33 43 13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P)	4,167.53	46.20
32 33 43 13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E)	1,036.77	46.20
32 33 43 13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E)	1,168.87	46.20
32 33 43 13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P)	1,076.40	46.20
32 33 43 13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P)	1,208.50	46.20
32 33 43 13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E)	1,736.90	46.20
32 33 43 13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E)	2,053.93	46.20
32 33 43 13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P)	1,842.58	46.20
32 33 43 13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P)	2,159.61	46.20
32 33 43 13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6)	1,086.19	69.29
32 33 43 13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8)	1,139.03	69.29
32 33 43 13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10)	1,548.54	69.29
32 33 43 13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E)	838.62	46.20
32 33 43 13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E)	970.72	46.20
32 33 43 13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E)	1,102.82	46.20
32 33 43 13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E)	1,419.86	46.20
32 33 43 13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E)	1,551.96	46.20
32 33 43 13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P)	851.83	46.20
32 33 43 13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P)	983.93	46.20
32 33 43 13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P)	1,116.03	46.20
32 33 43 13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P)	1,459.49	46.20
32 33 43 13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P)	1,591.59	46.20
32 33 43 13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E)	1,446.28	46.20
32 33 43 13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E)	1,670.85	46.20
32 33 43 13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E)	2,159.61	46.20
32 33 43 13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E)	2,384.18	46.20
32 33 43 13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P)	1,472.70	46.20
32 33 43 13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P)	1,697.27	46.20
32 33 43 13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P)	2,199.24	46.20
32 33 43 13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P)	2,423.81	46.20
32 33 43 13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E)	1,446.28	46.20
32 33 43 13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E)	2,040.72	46.20
32 33 43 13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E)	1,816.16	46.20
32 33 43 13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E)	2,397.39	46.20
32 33 43 13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E)	2,621.96	46.20
32 33 43 13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P)	1,657.64	46.20
32 33 43 13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P)	2,080.35	46.20
32 33 43 13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P)	1,842.58	46.20
32 33 43 13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P)	2,437.02	46.20
32 33 43 13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P)	2,661.59	46.20
32 33 43 13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6)	1,522.12	69.29
32 33 43 13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8)	1,759.90	69.29
32 33 43 13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10)	2,261.87	69.29
32 33 43 13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6)	1,667.43	69.29
32 33 43 13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8)	1,905.21	69.29
32 33 43 13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10)	2,486.44	69.29

32 33 43 13-0154 Recycled Plastic Benches (Columbia Cascade, TimberForm) *(32 33 43 13-0089)*

Note: Includes powder coated steel frames.

32 33 43 13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E)	1,221.71	46.20
32 33 43 13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E)	1,670.85	46.20
32 33 43 13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P)	1,261.34	46.20
32 33 43 13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P)	1,710.48	46.20
32 33 43 13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E)	1,921.84	46.20
32 33 43 13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E)	2,252.08	46.20
32 33 43 13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P)	2,027.51	46.20
32 33 43 13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P)	2,357.76	46.20
32 33 43 13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6)	1,218.29	69.29
32 33 43 13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8)	1,469.28	69.29
32 33 43 13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10)	1,733.48	69.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E)	997.11	46.20
32 33 43 13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E)	1,340.59	46.20
32 33 43 13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E)	1,604.79	46.20
32 33 43 13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P)	1,036.77	46.20
32 33 43 13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P)	1,380.23	46.20
32 33 43 13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P)	1,657.64	46.20
32 33 43 13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E)	1,591.59	46.20
32 33 43 13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E)	2,146.40	46.20
32 33 43 13-0174	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E)	2,608.75	46.20
32 33 43 13-0175	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P)	1,657.64	46.20
32 33 43 13-0176	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P)	2,238.87	46.20
32 33 43 13-0177	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P)	2,701.22	46.20
32 33 43 13-0178	EA	70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E)	3,110.73	46.20
32 33 43 13-0179	EA	94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E)	4,286.42	46.20
32 33 43 13-0180	EA	118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E)	4,748.77	46.20
32 33 43 13-0181	EA	70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P)	3,176.78	46.20
32 33 43 13-0182	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P)	4,378.89	46.20
32 33 43 13-0183	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P)	4,841.24	46.20
32 33 43 13-0184	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E)	1,948.25	46.20
32 33 43 13-0185	EA	82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E)	2,714.43	46.20
32 33 43 13-0186	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E)	2,595.54	46.20
32 33 43 13-0187	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E)	2,978.63	46.20
32 33 43 13-0188	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E)	4,009.01	46.20
32 33 43 13-0189	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P)	1,974.67	46.20
32 33 43 13-0190	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P)	2,754.06	46.20
32 33 43 13-0191	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P)	2,635.17	46.20
32 33 43 13-0192	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P)	3,018.26	46.20
32 33 43 13-0193	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P)	4,075.06	46.20
32 33 43 13-0194	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6)	1,852.37	69.29
32 33 43 13-0195	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8)	2,499.65	69.29
32 33 43 13-0196	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10)	3,094.10	69.29
32 33 43 13-0197	EA	70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6)	2,076.93	69.29
32 33 43 13-0198	EA	94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8)	2,777.06	69.29
32 33 43 13-0199	EA	118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10)	3,054.47	69.29
32 33 43 13-0200	EA	46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E)	891.46	46.20
32 33 43 13-0201	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E)	1,168.87	46.20
32 33 43 13-0202	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E)	1,578.38	46.20
32 33 43 13-0203	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E)	1,855.79	46.20
32 33 43 13-0204	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E)	2,159.61	46.20
32 33 43 13-0205	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P)	917.88	46.20
32 33 43 13-0206	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P)	1,195.29	46.20
32 33 43 13-0207	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P)	1,618.01	46.20
32 33 43 13-0208	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P)	1,895.42	46.20
32 33 43 13-0209	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P)	2,212.45	46.20
32 33 43 13-0210	EA	70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E)	1,736.90	46.20
32 33 43 13-0211	EA	94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E)	2,384.18	46.20
32 33 43 13-0212	EA	118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E)	2,939.00	46.20
32 33 43 13-0213	EA	142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E)	3,308.88	46.20
32 33 43 13-0214	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P)	1,763.32	46.20
32 33 43 13-0215	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P)	2,423.81	46.20
32 33 43 13-0216	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P)	2,978.63	46.20
32 33 43 13-0217	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P)	3,361.72	46.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53		**Site Tables** *(32 33 43)*		
32 33 43 53-0001		Tables *(32 33 43 53)*		
32 33 43 53-0002		Tables (Wabash) *(32 33 43 53-0001)*		
32 33 43 53-0003	EA	Spyder ADA Round Table (Wabash SY203P)	2,629.72	83.14
32 33 43 53-0004	EA	Shelter With 6' Table (Wabash SH105P)	7,999.69	83.14
32 33 43 53-0005	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C)	2,417.44	83.14
32 33 43 53-0006	EA	46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I)	2,591.91	92.38
32 33 43 53-0007		Tables (Landscapeforms) *(32 33 43 53-0001)*		
32 33 43 53-0008	EA	Plexus Companion Table For Backed Seat, Straight Runs	806.02	86.38
32 33 43 53-0009	EA	Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0010	EA	Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0011	EA	Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus)	1,008.88	86.38
32 33 43 53-0012	EA	6-Person Picnic Table (Landscapeforms Manistee)	3,053.18	86.38
32 33 43 53-0013	EA	4-Person Picnic Table (Landscapeforms Manistee)	2,712.38	86.38
32 33 43 53-0014	EA	2-Person Picnic Table (Landscapeforms Manistee)	2,399.97	86.38
32 33 43 53-0015	EA	Umbrella Stand For Picnic Table (Landscapeforms)	253.57	
32 33 43 53-0016	EA	32" x 72" Picnic Table (Landscapeforms Petoskey)	2,407.10	83.14
32 33 43 53-0017	EA	62" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,268.77	64.67
32 33 43 53-0018	EA	29" Backless Metal Rod Bench (Landscapeforms Petoskey)	1,059.31	64.67
32 33 43 53-0019	EA	58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen)	2,819.66	83.14
32 33 43 53-0020	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,712.38	86.38
32 33 43 53-0021	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,712.38	86.38
32 33 43 53-0022	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,521.78	86.38
32 33 43 53-0023	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,521.78	86.38
32 33 43 53-0024	EA	3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,896.98	86.38
32 33 43 53-0025	EA	4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	2,896.98	86.38
32 33 43 53-0026	EA	5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0027	EA	6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0028	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,825.98	86.38
32 33 43 53-0029	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	2,825.98	86.38
32 33 43 53-0030	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,692.18	86.38
32 33 43 53-0031	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,692.18	86.38
32 33 43 53-0032	EA	3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,010.58	86.38
32 33 43 53-0033	EA	4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,010.58	86.38
32 33 43 53-0034	EA	5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,876.78	86.38
32 33 43 53-0035	EA	6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,876.78	86.38
32 33 43 53-0036	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,882.78	86.38
32 33 43 53-0037	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	2,882.78	86.38
32 33 43 53-0038	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0039	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel)	3,706.38	86.38
32 33 43 53-0040	EA	3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,067.38	86.38
32 33 43 53-0041	EA	4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,067.38	86.38
32 33 43 53-0042	EA	5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,890.98	86.38
32 33 43 53-0043	EA	6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,890.98	86.38
32 33 43 53-0044	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,024.78	86.38
32 33 43 53-0045	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,024.78	86.38
32 33 43 53-0046	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,919.38	86.38
32 33 43 53-0047	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel)	3,919.38	86.38
32 33 43 53-0048	EA	3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,209.38	86.38
32 33 43 53-0049	EA	4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	3,209.38	86.38
32 33 43 53-0050	EA	5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,103.98	86.38
32 33 43 53-0051	EA	6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel)	4,103.98	86.38
32 33 43 53-0052	EA	3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,517.63	86.38
32 33 43 53-0053	EA	4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	2,517.63	86.38
32 33 43 53-0054	EA	5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,316.38	86.38
32 33 43 53-0055	EA	6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel)	3,316.38	86.38
32 33 43 53-0056	EA	3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,619.06	86.38
32 33 43 53-0057	EA	4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,619.06	86.38
32 33 43 53-0058	EA	5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,405.13	86.38
32 33 43 53-0059	EA	6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,405.13	86.38
32 33 43 53-0060	EA	3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,631.74	86.38
32 33 43 53-0061	EA	4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,631.74	86.38
32 33 43 53-0062	EA	5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,468.53	86.38
32 33 43 53-0063	EA	6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,468.53	86.38
32 33 43 53-0064	EA	3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,720.49	86.38
32 33 43 53-0065	EA	4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,720.49	86.38
32 33 43 53-0066	EA	5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,557.28	86.38
32 33 43 53-0067	EA	6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,557.28	86.38
32 33 43 53-0068	EA	3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,682.45	86.38
32 33 43 53-0069	EA	4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	2,682.45	86.38
32 33 43 53-0070	EA	5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,493.88	86.38
32 33 43 53-0071	EA	6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel)	3,493.88	86.38
32 33 43 53-0072	EA	3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,777.54	86.38
32 33 43 53-0073	EA	4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	2,777.54	86.38
32 33 43 53-0074	EA	5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,582.63	86.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0075	EA	6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel)	3,582.63	86.38
32 33 43 53-0076	EA	3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,840.94	86.38
32 33 43 53-0077	EA	4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	2,840.94	86.38
32 33 43 53-0078	EA	5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,741.12	86.38
32 33 43 53-0079	EA	6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel)	3,741.12	86.38
32 33 43 53-0080	EA	3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,929.69	86.38
32 33 43 53-0081	EA	4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	2,929.69	86.38
32 33 43 53-0082	EA	5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,829.87	86.38
32 33 43 53-0083	EA	6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel)	3,829.87	86.38
32 33 43 53-0084		Tables (Columbia Cascade Co. - TimberForm) *(32 33 43 53-0001)*		
32 33 43 53-0085	EA	Table With Four Chairs (Columbia Cascade Co. 2052-E)	4,878.18	107.91
32 33 43 53-0086	EA	Table With Four Chairs (Columbia Cascade Co. 2052-P)	5,957.53	107.91
32 33 43 53-0087	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E)	4,113.64	107.91
32 33 43 53-0088	EA	Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P)	5,133.03	107.91
32 33 43 53-0089	EA	Table With Four Seats (Columbia Cascade Co. 2054-E)	2,734.47	107.91
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)	2,974.32	107.91
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)	2,329.71	107.91
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)	2,539.58	107.91
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)	3,049.28	107.91
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)	3,259.15	107.91
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)	4,938.14	107.91
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)	2,704.49	107.91
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)	2,914.36	107.91
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)	4,593.35	107.91
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)	3,364.09	107.91
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)	3,603.95	107.91
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)	3,933.75	107.91
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)	4,173.60	107.91
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)	4,938.14	107.91
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)	5,178.00	107.91
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)	4,938.14	107.91
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)	5,178.00	107.91
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)	1,156.74	43.15
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)	1,546.51	43.15
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)	331.03	21.61
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)	3,364.09	107.91
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)	3,843.80	107.91
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)	3,603.95	107.91
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)	4,083.66	107.91
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)	3,738.86	107.91
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)	4,218.58	107.91
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)	3,978.72	107.91
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)	4,458.43	107.91
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)	3,165.54	43.15
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)	3,555.30	43.15
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)	3,540.31	43.15
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)	3,930.08	43.15
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)	7,966.33	107.91
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)	8,805.82	107.91
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)	7,966.33	107.91
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)	8,805.82	107.91
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)	1,954.93	107.91
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)	2,149.82	107.91
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)	2,344.70	107.91
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)	2,089.85	107.91
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)	2,284.74	107.91
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)	2,479.62	107.91
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)	1,909.96	107.91
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)	2,044.88	107.91
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)	2,179.80	107.91
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)	2,044.88	107.91
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)	2,179.80	107.91
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)	2,314.72	107.91
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)	1,850.00	107.91
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)	2,044.88	107.91
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)	2,239.76	107.91
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)	1,850.00	107.91
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)	2,044.88	107.91
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)	2,239.76	107.91
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)	1,850.00	107.91
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)	2,044.88	107.91
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)	2,239.76	107.91
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)	1,760.05	107.91
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)	1,894.97	107.91
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)	2,029.89	107.91
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)	1,760.05	107.91
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)	1,894.97	107.91
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)	2,029.89	107.91
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)	1,760.05	107.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)	1,894.97	107.91
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)	2,029.89	107.91
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)	1,685.10	107.91
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)	1,879.98	107.91
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)	2,074.86	107.91
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)	1,820.02	107.91
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)	2,014.90	107.91
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)	2,209.78	107.91
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)	1,565.17	107.91
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)	1,685.10	107.91
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)	1,820.02	107.91
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)	1,685.10	107.91
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)	1,820.02	107.91
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)	1,954.93	107.91
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)	1,775.04	107.91
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)	1,969.93	107.91
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)	2,164.81	107.91
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)	1,775.04	107.91
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)	1,969.93	107.91
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)	2,164.81	107.91
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)	1,775.04	107.91
32 33 43 53-0175	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L)	1,969.93	107.91
32 33 43 53-0176	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L)	2,164.81	107.91
32 33 43 53-0177	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E)	1,670.11	107.91
32 33 43 53-0178	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E)	1,805.03	107.91
32 33 43 53-0179	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E)	1,939.94	107.91
32 33 43 53-0180	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P)	1,670.11	107.91
32 33 43 53-0181	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P)	1,805.03	107.91
32 33 43 53-0182	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P)	1,939.94	107.91
32 33 43 53-0183	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L)	1,670.11	107.91
32 33 43 53-0184	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L)	1,805.03	107.91
32 33 43 53-0185	EA	Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L)	1,939.94	107.91
32 33 43 53-0186	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-E)	1,565.17	107.91
32 33 43 53-0187	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-E)	1,625.13	107.91
32 33 43 53-0188	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-E)	1,685.10	107.91
32 33 43 53-0189	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0030-P)	1,700.09	107.91
32 33 43 53-0190	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0036-P)	1,760.05	107.91
32 33 43 53-0191	EA	Round Table With Center Support (Columbia Cascade Co. 2922-0042-P)	1,820.02	107.91
32 33 43 53-0192	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-E)	1,550.18	107.91
32 33 43 53-0193	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-E)	1,595.15	107.91
32 33 43 53-0194	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-E)	1,640.12	107.91
32 33 43 53-0195	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3030-P)	1,685.10	107.91
32 33 43 53-0196	EA	Square Table With Center Support (Columbia Cascade Co. 2922-3636-P)	1,730.07	107.91
32 33 43 53-0197	EA	Square Table With Center Support (Columbia Cascade Co. 2922-4242-P)	1,775.04	107.91
32 33 43 53-0198	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E)	1,595.15	107.91
32 33 43 53-0199	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E)	1,655.11	107.91
32 33 43 53-0200	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E)	1,715.08	107.91
32 33 43 53-0201	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P)	1,595.15	107.91
32 33 43 53-0202	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P)	1,655.11	107.91
32 33 43 53-0203	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P)	1,715.08	107.91
32 33 43 53-0204	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L)	1,595.15	107.91
32 33 43 53-0205	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L)	1,655.11	107.91
32 33 43 53-0206	EA	Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L)	1,715.08	107.91
32 33 43 53-0207	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E)	1,595.15	107.91
32 33 43 53-0208	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E)	1,640.12	107.91
32 33 43 53-0209	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E)	1,685.10	107.91
32 33 43 53-0210	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P)	1,595.15	107.91
32 33 43 53-0211	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P)	1,640.12	107.91
32 33 43 53-0212	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P)	1,685.10	107.91
32 33 43 53-0213	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L)	1,595.15	107.91
32 33 43 53-0214	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L)	1,640.12	107.91
32 33 43 53-0215	EA	Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L)	1,685.10	107.91
32 33 43 53-0216	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-E)	1,625.13	107.91
32 33 43 53-0217	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-E)	1,685.10	107.91
32 33 43 53-0218	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-E)	1,745.06	107.91
32 33 43 53-0219	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0030-P)	1,760.05	107.91
32 33 43 53-0220	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0036-P)	1,820.02	107.91
32 33 43 53-0221	EA	Round Table With Center Support (Columbia Cascade Co. 2932-0042-P)	1,879.98	107.91
32 33 43 53-0222	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-E)	1,730.07	107.91
32 33 43 53-0223	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-E)	1,775.04	107.91
32 33 43 53-0224	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-E)	1,820.02	107.91
32 33 43 53-0225	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3030-P)	1,864.99	107.91
32 33 43 53-0226	EA	Square Table With Center Support (Columbia Cascade Co. 2932-3636-P)	1,909.96	107.91
32 33 43 53-0227	EA	Square Table With Center Support (Columbia Cascade Co. 2932-4242-P)	1,954.93	107.91
32 33 43 53-0228	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E)	1,700.09	107.91
32 33 43 53-0229	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E)	1,760.05	107.91
32 33 43 53-0230	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E)	1,820.02	107.91
32 33 43 53-0231	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P)	1,700.09	107.91
32 33 43 53-0232	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P)	1,760.05	107.91
32 33 43 53-0233	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P)	1,820.02	107.91
32 33 43 53-0234	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L)	1,700.09	107.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0235	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L)	1,760.05	107.91
32 33 43 53-0236	EA	Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L)	1,820.02	107.91
32 33 43 53-0237	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E)	1,805.03	107.91
32 33 43 53-0238	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E)	1,850.00	107.91
32 33 43 53-0239	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E)	1,894.97	107.91
32 33 43 53-0240	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P)	1,805.03	107.91
32 33 43 53-0241	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P)	1,850.00	107.91
32 33 43 53-0242	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P)	1,894.97	107.91
32 33 43 53-0243	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L)	1,805.03	107.91
32 33 43 53-0244	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L)	1,850.00	107.91
32 33 43 53-0245	EA	Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L)	1,894.97	107.91
32 33 43 53-0246	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-E)	1,370.29	107.91
32 33 43 53-0247	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-E)	1,415.26	107.91
32 33 43 53-0248	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-E)	1,460.23	107.91
32 33 43 53-0249	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3030-P)	1,505.21	107.91
32 33 43 53-0250	EA	Square Table With Center Support (Columbia Cascade Co. 2942-3636-P)	1,550.18	107.91
32 33 43 53-0251	EA	Square Table With Center Support (Columbia Cascade Co. 2942-4242-P)	1,595.15	107.91
32 33 43 53-0252	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-E)	1,625.13	107.91
32 33 43 53-0253	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-E)	1,685.10	107.91
32 33 43 53-0254	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-E)	1,745.06	107.91
32 33 43 53-0255	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0030-P)	1,460.23	107.91
32 33 43 53-0256	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0036-P)	1,520.20	107.91
32 33 43 53-0257	EA	Round Table With Center Support (Columbia Cascade Co. 2962-0042-P)	1,580.16	107.91
32 33 43 53-0258	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-E)	1,340.30	107.91
32 33 43 53-0259	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-E)	1,385.28	107.91
32 33 43 53-0260	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-E)	1,430.25	107.91
32 33 43 53-0261	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3030-P)	1,475.22	107.91
32 33 43 53-0262	EA	Square Table With Center Support (Columbia Cascade Co. 2962-3636-P)	1,520.20	107.91
32 33 43 53-0263	EA	Square Table With Center Support (Columbia Cascade Co. 2962-4242-P)	1,565.17	107.91
32 33 43 53-0264		Picnic Tables *(32 33 43 53)*		
32 33 43 53-0265		Wooden Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0266	EA	6' Permanent Rectangular Redwood Table	1,000.30	69.29
32 33 43 53-0267		Portable Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0268	EA	6' Wood Table With Aluminum Frame	1,423.10	46.20
32 33 43 53-0269	EA	6' Aluminum Table And Frame	2,066.19	46.20
32 33 43 53-0270	EA	8' Aluminum Table And Frame	2,465.26	57.74
32 33 43 53-0271	EA	6' Steel Table And Frame	1,316.76	46.20
32 33 43 53-0272	EA	8' Steel Table And Frame	1,507.25	57.74
32 33 43 53-0273		Concrete Picnic Tables *(32 33 43 53-0264)*		
32 33 43 53-0274	EA	72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikcrete QLBT72PT)	2,594.58	184.77
32 33 43 53-0275	EA	96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) Note: Standard sealer	3,066.14	
32 33 43 53-0276	EA	102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) Note: Standard sealer	3,075.82	
32 33 43 53-0277	EA	42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) Note: Includes table top, four benches and mounting hardware.	3,260.45	
32 33 43 53-0278		Plastic Picnic Tables *(32 33 43 53-0264)* Note: Manufactured from recycled plastic.		
32 33 43 53-0279		Pedestal Tables - 4' Square, 2 Seats *(32 33 43 53-0278)*		
32 33 43 53-0280	EA	3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,592.23	69.29
32 33 43 53-0281	EA	4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats	1,746.64	69.29
32 33 43 53-0282		Pedestal Tables - 4' Square, 4 Seats *(32 33 43 53-0278)*		
32 33 43 53-0283	EA	3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,092.96	69.29
32 33 43 53-0284	EA	4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats	2,300.31	69.29
32 33 43 53-0285		Recycled Plastic Tables *(32 33 43 53-0278)*		
32 33 43 53-0286	EA	6' Standard "Step-Over" Table, Recycled Plastic Lumber	2,747.35	69.29
32 33 43 53-0287	EA	6' " Walk-Through" Table, Recycled Plastic Lumber	2,284.93	69.29
32 33 43 53-0288	EA	7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,497.44	69.29
32 33 43 53-0289	EA	8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends	2,334.23	69.29
32 33 43 53-0290	EA	8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends	2,942.44	69.29
32 33 43 53-0291	EA	4' Youth Table, Recycled Plastic Lumber	1,162.78	55.43

32 33 53 Site Grills *(32 33)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 53 00-0001		**Picnic Grills** *(32 33 53)*		
32 33 53 00-0002	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 11 gauge with galvanized steel post.	438.14	
32 33 53 00-0003	EA	20" Wide x 14" Deep x 8-1/2" High Adjustable Grill Note: 7 gauge with galvanized steel post.	469.14	
32 33 63		**Skate Board Deterrent** *(32 33)*		
32 33 63 00-0001		**Skate Stoppers** *(32 33 63)*		
32 33 63 00-0002	EA	Aluminum Architectural Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	65.18	
		For >59 To 99, Deduct	*-7.05*	
		For >99 To 249, Deduct	*-8.89*	
		For >249, Deduct	*-10.73*	
32 33 63 00-0003	EA	Aluminum Fixed Angle Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	69.09	
		For >59 To 99, Deduct	*-7.59*	
		For >99 To 249, Deduct	*-9.55*	
		For >249, Deduct	*-11.51*	
32 33 63 00-0004	EA	Aluminum Fixed Radius Series Pieces, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	48.52	
		For >59 To 99, Deduct	*-4.71*	
		For >99 To 249, Deduct	*-6.05*	
		For >249, Deduct	*-7.39*	
32 33 63 00-0005	EA	Aluminum Bench Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	38.70	
		For >59 To 99, Deduct	*-3.34*	
		For >99 To 249, Deduct	*-4.38*	
		For >249, Deduct	*-5.43*	
32 33 63 00-0006	EA	Aluminum Curve Clips, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	42.37	
		For >59 To 99, Deduct	*-3.85*	
		For >99 To 249, Deduct	*-5.01*	
		For >249, Deduct	*-6.16*	
32 33 63 00-0007	EA	Aluminum Hand Rail, Skate Stopper Note: Various shapes. Includes drilling and anchoring into suitable surface material.	40.51	
		For >59 To 99, Deduct	*-3.59*	
		For >99 To 249, Deduct	*-4.69*	
		For >249, Deduct	*-5.79*	
32 33 63 00-0008	EA	Aluminum 2" x 3" x 0.25" Flat Cap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	38.09	
		For >59 To 99, Deduct	*-3.25*	
		For >99 To 249, Deduct	*-4.28*	
		For >249, Deduct	*-5.31*	
32 33 63 00-0009	EA	Aluminum 6" Diameter x 0.25" Rumble Disc, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	53.09	
		For >59 To 99, Deduct	*-5.35*	
		For >99 To 249, Deduct	*-6.83*	
		For >249, Deduct	*-8.31*	
32 33 63 00-0010	EA	Aluminum 4" x 17" x 0.25" Flat Strap, Skate Stopper Note: Includes drilling and anchoring into suitable surface material.	98.07	
		For >59 To 99, Deduct	*-11.65*	
		For >99 To 249, Deduct	*-14.48*	
		For >249, Deduct	*-17.30*	

32 35 Screening Devices *(32 30)*

32 35 16 Sound Barriers *(32 35)*

32 35 16 00-0001 **Precast Concrete Roadway Sound Barriers And Support Including Caps For Columns** *(32 35 16)*

Note: Installed on steel supports. Finish to be determined by owner (ribbed, patterned, stamped, exposed aggregate or smooth)

32 35 16 00-0002 **4" Thick** *(32 35 16 00-0001)*

32 35 16 00-0003	LF	6' High x 4" Thick Precast Concrete Sound Walls	195.49	26.15
32 35 16 00-0004	LF	7' High x 4" Thick Precast Concrete Sound Walls	211.35	29.19
32 35 16 00-0005	LF	8' High x 4" Thick Precast Concrete Sound Walls	230.11	31.62
32 35 16 00-0006	LF	9' High x 4" Thick Precast Concrete Sound Walls	245.46	34.05
32 35 16 00-0007	LF	10' High x 4" Thick Precast Concrete Sound Walls	259.60	36.49
32 35 16 00-0008	LF	11' High x 4" Thick Precast Concrete Sound Walls	279.87	37.70
32 35 16 00-0009	LF	12' High x 4" Thick Precast Concrete Sound Walls	299.62	39.53

32 35 16 00-0010 **6" Thick** *(32 35 16 00-0001)*

32 35 16 00-0011	LF	6' High x 6" Thick Precast Concrete Sound Walls	233.36	30.40
32 35 16 00-0012	LF	7' High x 6" Thick Precast Concrete Sound Walls	252.26	34.05
32 35 16 00-0013	LF	8' High x 6" Thick Precast Concrete Sound Walls	274.63	37.70
32 35 16 00-0014	LF	9' High x 6" Thick Precast Concrete Sound Walls	292.93	40.13
32 35 16 00-0015	LF	10' High x 6" Thick Precast Concrete Sound Walls	309.82	42.57
32 35 16 00-0016	LF	11' High x 6" Thick Precast Concrete Sound Walls	334.06	44.39
32 35 16 00-0017	LF	12' High x 6" Thick Precast Concrete Sound Walls	357.68	46.21

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 35 16 00-0018		8" Thick *(32 35 16 00-0001)*		
32 35 16 00-0019	LF	6' High x 8" Thick Precast Concrete Sound Walls	282.00	36.49
32 35 16 00-0020	LF	7' High x 8" Thick Precast Concrete Sound Walls	304.76	40.13
32 35 16 00-0021	LF	8' High x 8" Thick Precast Concrete Sound Walls	331.79	43.78
32 35 16 00-0022	LF	9' High x 8" Thick Precast Concrete Sound Walls	353.85	47.43
32 35 16 00-0023	LF	10' High x 8" Thick Precast Concrete Sound Walls	374.25	50.47
32 35 16 00-0024	LF	11' High x 8" Thick Precast Concrete Sound Walls	403.65	52.29
32 35 16 00-0025	LF	12' High x 8" Thick Precast Concrete Sound Walls	432.34	54.73
32 35 16 00-0026		Redwood Top *(32 35 16 00-0001)*		
32 35 16 00-0027	LF	2" x 6" Redwood, Construction Grade/Rough	6.07	1.34
32 35 16 00-0028	LF	2" x 8" Redwood, Construction Grade/Rough	6.97	1.74
32 35 16 00-0029	LF	2" x 10" Redwood, Construction Grade/Rough	10.82	2.15
32 35 16 00-0030	LF	2" x 12" Redwood, Construction Grade/Rough	13.06	2.69
32 35 16 00-0031	LF	2" x 6" Redwood, Con Heart/Smooth	7.49	1.34
32 35 16 00-0032	LF	2" x 8" Redwood, Con Heart/Smooth	10.87	1.74
32 35 16 00-0033	LF	2" x 10" Redwood, Con Heart/Smooth	14.45	2.15
32 35 16 00-0034	LF	2" x 12" Redwood, Con Heart/Smooth	17.36	2.69

32 39 Manufactured Site Specialties *(32 30)*

Note: Excludes core drilling (where needed), augering, concrete footing and compaction See CSI section 02 41 19 13-0081 for concrete core drilling, 02 41 19 13-0219 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

32 39 13 Manufactured Metal Bollards *(32 39)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0001		Metal Pipe Bollards *(32 39 13)*		
		Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.		
32 39 13 00-0002		Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powered Coated *(32 39 13 00-0001)*		
32 39 13 00-0003	LF	4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	76.65	13.94
		For Galvanized Steel, Add	*8.29*	
		For 304 Stainless Steel, Add	*65.83*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*135.56*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*93.70*	
		For Schedule 80, Add	*10.10*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*10.24*	
32 39 13 00-0004	LF	6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	104.80	13.94
		For Galvanized Steel, Add	*13.07*	
		For 304 Stainless Steel, Add	*103.83*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*135.56*	
		For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	*93.70*	
		For Schedule 80, Add	*14.33*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*14.46*	
32 39 13 00-0005	LF	8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	148.93	17.44
		For Galvanized Steel, Add	*19.39*	
		For 304 Stainless Steel, Add	*154.01*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*177.40*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*205.70*	
		For Schedule 80, Add	*20.60*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*19.31*	
32 39 13 00-0006	LF	10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	197.91	20.91
		For Galvanized Steel, Add	*26.53*	
		For 304 Stainless Steel, Add	*210.71*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*205.32*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*219.66*	
		For Schedule 80, Add	*27.60*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*23.63*	
32 39 13 00-0007	LF	12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated	249.46	27.89
		For Galvanized Steel, Add	*32.93*	
		For 304 Stainless Steel, Add	*261.48*	
		For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	*282.08*	
		For Each Sleeve For Removable, Lockable Bollard, Add	*306.54*	
		For Schedule 80, Add	*34.63*	
		For Concrete Fill, Add Per LF Of Pipe Bollard	*27.58*	
32 39 13 00-0008		Cast Bollards *(32 39 13 00-0001)*		
32 39 13 00-0009	EA	36" Cast Aluminum Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,950.75	83.66
32 39 13 00-0010	EA	36" Cast Aluminum Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,291.93	83.66
32 39 13 00-0011	EA	36" Cast Iron Bollard, Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, all colors.	1,654.24	83.66
32 39 13 00-0012	EA	36" Cast Iron Removable Bollard, Black Powder Coat Finish Note: 8-1/2" diameter, embedded mounting plate, lockable, all colors.	3,003.35	83.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 39 23 Manufactured Concrete Bollards *(32 39)*

32 39 23 00-0001 Concrete Bollards *(32 39 23)*
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.

32 39 23 00-0002 Concrete Bollard, Exposed Aggregate *(32 39 23 00-0001)*

32 39 23 00-0003	EA	12" x 12" x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	674.82	111.54
32 39 23 00-0004	EA	12" Diameter x 30" High Concrete Bollard, Light Media Blast Note: Surface mounted with anchor bolts embedded into grout pockets.	674.82	111.54

32 39 25 Manufactured Wood Bollards *(32 39)*

32 39 25 00-0001 Wood Bollards *(32 39 25)*
Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.

32 39 25 00-0002 Wood Bollard, Pressure Treated Timber *(32 39 25 00-0001)*

32 39 25 00-0003	LF	4" x 4", Pressure Treated Wood Bollard	25.36	11.15
		For Each Sleeve For Removable, Lockable Bollard, Add	*139.60*	
32 39 25 00-0004	LF	6" x 6", Pressure Treated Wood Bollard	28.59	11.15
		For Each Sleeve For Removable, Lockable Bollard, Add	*139.60*	
32 39 25 00-0005	LF	8" x 8", Pressure Treated Wood Bollard	36.30	12.55
		For Each Sleeve For Removable, Lockable Bollard, Add	*220.20*	
32 39 25 00-0006	LF	10" x 10", Pressure Treated Wood Bollard	50.92	16.73
		For Each Sleeve For Removable, Lockable Bollard, Add	*236.92*	
32 39 25 00-0007	LF	12" x 12", Pressure Treated Wood Bollard	69.76	22.30
		For Each Sleeve For Removable, Lockable Bollard, Add	*334.24*	

32 39 27 Manufactured Plastic Bollards *(32 39)*

32 39 27 00-0001 Plastic Bollards *(32 39 27)*
See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.

32 39 27 00-0002 Recycled Plastic Bollards *(32 39 27 00-0001)*

32 39 27 00-0003	EA	6" x 6" x 33" Surface Mounted Recycled Plastic Bollard Note: Includes anchor bolts.	365.72	55.77
32 39 27 00-0004	EA	6" Diameter x 6' Steel Reinforced Recycled Plastic Bollard	591.99	55.77

32 39 27 00-0005 Plastic Bollard Covers *(32 39 27 00-0001)*

32 39 27 00-0006	EA	4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	91.00	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0007	EA	6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	98.34	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0008	EA	3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0009	EA	3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3 -1/2" To 4" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0010	EA	3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe	140.29	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0011	EA	4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4' To 4-1/2" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0012	EA	4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe	126.84	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0013	EA	5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	124.60	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0014	EA	5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	126.84	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0015	EA	5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe	178.38	11.89
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0016	EA	6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	126.97	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0017	EA	6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	162.82	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0018	EA	6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	185.72	13.09
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0019	EA	7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe	156.24	14.28
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0020	EA	8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe	169.69	14.28
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0021	EA	8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe	169.69	14.28
		For Reflective Tape, Add	*10.67*	
32 39 27 00-0022	EA	10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe	230.20	14.28
		For Reflective Tape, Add	*10.67*	

32 39 29 Manufactured Stone Bollards *(32 39)*

32 39 29 00-0001 Stone Bollards *(32 39 29)*

32 39 29 00-0002 Granite Bollards *(32 39 29 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 29 00-0003	EA	16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,734.87	139.43
32 39 29 00-0004	EA	16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,190.56	195.19
32 39 29 00-0005	EA	12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,057.16	139.43
32 39 29 00-0006	EA	12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,599.67	111.54
32 39 29 00-0007	EA	24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,407.11	111.54

32 80 Irrigation *(32)*

32 84 Planting Irrigation *(32 80)*

32 84 13 Drip Irrigation *(32 84)*

32 84 13 00-0001 Drip Emitter Irrigation Devices *(32 84 13)*

32 84 13 00-0002 Drip Emitter Irrigation Valves *(32 84 13 00-0001)*

32 84 13 00-0003	EA	1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	52.33	12.29
32 84 13 00-0004	EA	1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV100)	84.28	12.29
32 84 13 00-0005	EA	3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075)	82.05	12.29
32 84 13 00-0006	EA	3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LFV075TBOS)	112.06	12.29

32 84 13 00-0007 Drip Emitter Irrigation Filters *(32 84 13 00-0001)*

32 84 13 00-0008	EA	3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	175.49	12.29
32 84 13 00-0009	EA	1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	177.14	12.29
32 84 13 00-0010	EA	3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	66.28	12.29
32 84 13 00-0011	EA	1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	67.61	12.29
32 84 13 00-0012	EA	1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	190.86	12.29
32 84 13 00-0013	EA	3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	86.15	12.29
32 84 13 00-0014	EA	1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	96.49	12.29

32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators *(32 84 13 00-0001)*

32 84 13 00-0016	EA	3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	64.94	12.29
32 84 13 00-0017	EA	3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	64.94	12.29
32 84 13 00-0018	EA	3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	64.94	12.29
32 84 13 00-0019	EA	1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	75.82	12.29

32 84 13 00-0020 Drip Emitter Irrigation Tubing *(32 84 13 00-0001)*

Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.

32 84 13 00-0021	LF	1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	4.69	1.72
32 84 13 00-0022	LF	1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	4.30	1.96
32 84 13 00-0023	LF	1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	3.64	1.72
		For Shallow Trenching And Backfill By Hand, Add	*7.06*	
32 84 13 00-0024	LF	1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	4.33	1.96
		For Shallow Trenching And Backfill By Hand, Add	*7.64*	

32 84 13 00-0025 Drip Emitter Irrigation Fittings *(32 84 13 00-0001)*

32 84 13 00-0026	EA	1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	3.27	
32 84 13 00-0027	EA	1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	3.31	
32 84 13 00-0028	EA	1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	3.37	
32 84 13 00-0029	EA	1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	3.56	
32 84 13 00-0030	EA	1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.24	
32 84 13 00-0031	EA	17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	3.46	
		For Compression Fitting, Add	*0.39*	
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW)	3.58	
		For Compression Fitting, Add	*0.51*	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE)	3.63	
		For Compression Fitting, Add	*0.56*	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050)	3.66	
		For Compression Fitting, Add	*0.59*	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS)	3.90	
		For Compression Fitting, Add	*0.83*	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP)	4.17	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND)	2.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 13 00-0038		**Drip Emitters** *(32 84 13 00-0001)*		
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC)	6.76	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24)	7.81	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056)	16.69	
32 84 13 00-0042		**Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters** *(32 84 13 00-0001)*		
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK)	26.21	11.06
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK)	26.27	11.06
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL)	29.19	11.06
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL)	29.50	11.06
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) Note: Includes nozzle.	43.06	14.50
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) Note: Includes nozzle.	46.83	14.50
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) Note: Includes nozzle.	48.39	14.50
32 84 13 00-0050		**Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)** *(32 84 13 00-0001)* Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.		
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield)	4.93	2.15
32 84 23		**Underground Sprinklers** *(32 84)*		
32 84 23 00-0001		**Sprinkler Heads** *(32 84 23)*		
32 84 23 00-0002		**Spray Sprinkler Heads** *(32 84 23 00-0001)* Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.		
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P)	37.84	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P)	35.71	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P)	43.62	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P)	50.24	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM)	38.69	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM)	49.82	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM)	55.17	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS)	41.86	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS)	52.00	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS)	57.01	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS)	43.13	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS)	58.70	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS)	63.63	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0016	EA	Bubbler Head With Screen, 1/2" NPT (Rain Bird® 1300)	31.56	13.58
		For Rotary Nozzle, Add	*3.25*	
32 84 23 00-0017	EA	Pressure Compensating Bubbler With Screen, 1/2" NPT (Rain Bird® 1400)	36.50	13.58
32 84 23 00-0018		**Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0001)* Note: Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0019		**1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0020	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC)	53.48	13.58
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0021	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM)	55.24	13.58
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0022		**3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads** *(32 84 23 00-0018)* Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0023	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC)	49.26	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0024	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC)	68.28	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0025	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS)	52.78	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0026	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS)	71.10	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0027	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR)	54.19	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0028	EA	4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR)	57.01	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0029	EA	6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR)	75.32	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0030	EA	12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR)	86.60	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0031	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS)	56.65	13.58
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0032	EA	Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR)	67.93	13.58
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0033		1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA	4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC)	94.70	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
		For Stainless Steel Riser And High Speed Rotor, Add	*51.86*	
32 84 23 00-0035		1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads *(32 84 23 00-0018)*		
		Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0036	EA	5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005)	135.56	13.58
		For Non-Potable Cover, Add	*2.00*	
		For Stainless Steel Riser, Add	*9.00*	
32 84 23 00-0037		Impact-Drive Sprinkler Heads *(32 84 23 00-0001)*		
		Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0038	EA	1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08)	74.97	13.58
		For Non-Potable Cover, Add	*2.00*	
32 84 23 00-0039	EA	1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08)	58.06	13.58
32 84 23 00-0040	EA	3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB)	114.40	13.58
32 84 23 00-0041		Electric Remote Control Irrigation Valves *(32 84 23)*		
32 84 23 00-0042		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0043	EA	3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV)	159.57	56.58
32 84 23 00-0044	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV)	159.57	56.58
32 84 23 00-0045	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DVSS)	175.74	64.50
32 84 23 00-0046	EA	1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA)	160.98	56.58
32 84 23 00-0047		0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series) *(32 84 23 00-0041)*		
		Note: 15 to 150 PSI.		
32 84 23 00-0048	EA	1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF)	160.98	56.58
32 84 23 00-0049	EA	1", 0.2 To 40 GPM, Slip-On, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFSS)	177.85	64.50
32 84 23 00-0050	EA	1", 0.2 To 40 GPM, Male x Barb, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVFMB)	179.26	64.50

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0051		**0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI.		
32 84 23 00-0052	EA	1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB)	273.71	56.58
32 84 23 00-0053	EA	1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB)	323.02	56.58
32 84 23 00-0054	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB)	386.43	56.58
32 84 23 00-0055		**5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0056	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D)	395.11	63.60
32 84 23 00-0057	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D)	444.43	63.60
32 84 23 00-0058	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D)	507.84	63.60
32 84 23 00-0059		**20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0060	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D)	465.56	63.60
32 84 23 00-0061	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D)	514.88	63.60
32 84 23 00-0062	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D)	578.29	63.60
32 84 23 00-0063		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure.		
32 84 23 00-0064	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B)	413.97	56.58
32 84 23 00-0065	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B)	640.71	56.58
32 84 23 00-0066	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B)	661.21	56.58
32 84 23 00-0067	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B)	1,566.05	76.39
32 84 23 00-0068		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0069	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP)	379.82	63.60
32 84 23 00-0070	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP)	447.24	63.60
32 84 23 00-0071	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP)	520.45	63.60
32 84 23 00-0072	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP)	616.83	63.60
32 84 23 00-0073		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS)	506.55	63.60
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS)	775.57	63.60
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS)	798.62	63.60
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS)	1,677.39	63.60
32 84 23 00-0078		**0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0079	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ)	516.45	56.58
32 84 23 00-0080	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ)	743.19	56.58
32 84 23 00-0081	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ)	763.69	56.58
32 84 23 00-0082	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ)	1,668.53	76.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0083		**5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series)** *(32 84 23 00-0041)*		
		Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D)	485.50	63.60
32 84 23 00-0085	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D)	552.93	63.60
32 84 23 00-0086	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D)	626.13	63.60
32 84 23 00-0087	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D)	722.51	63.60
32 84 23 00-0088		**0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series)** *(32 84 23 00-0041)*		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0089	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ)	609.03	63.60
32 84 23 00-0090	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ)	878.05	63.60
32 84 23 00-0091	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ)	901.10	63.60
32 84 23 00-0092	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ)	1,779.87	63.60
32 84 23 00-0093		**Other Electric Remote Control Valves/Accessories** *(32 84 23 00-0041)*		
32 84 23 00-0094	EA	Pressure Regulator Module For Electric Remote Control Valves (Rain Bird® PRS-DIAL)	150.95	
32 84 23 00-0095		**Remote Control Valve Assemblies** *(32 84 23 00-0041)*		
		Note: Includes excavation and disposal of soil, installation of 6" minimum depth gravel or crushed rock, woven wire cloth, valve, fittings, valve box (Carson 1419-12), as detailed in the Caltrans Standard Plans 2010 page 224.		
32 84 23 00-0096	EA	1" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	575.99	141.47
32 84 23 00-0097	EA	1-1/2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	625.31	141.47
32 84 23 00-0098	EA	2" Glass-Filled Nylon Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® PEB) And Box (Carson 1419-12)	688.72	141.47
32 84 23 00-0099	EA	1" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	646.45	141.47
		Note: Purple components for use with recycled water		
32 84 23 00-0100	EA	1-1/2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	695.77	141.47
		Note: Purple components for use with recycled water		
32 84 23 00-0101	EA	2" Glass-Filled Nylon Remote Control Scrubber Valve With Flow Control And Captured Solenoid (Rain Bird® PESB-R) And Box (Carson 1419-12)	759.18	141.47
		Note: Purple components for use with recycled water		
32 84 23 00-0102	EA	1" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	666.39	141.47
		Note: Purple components for use with recycled water		
32 84 23 00-0103	EA	1-1/2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	807.02	141.47
		Note: Purple components for use with recycled water		
32 84 23 00-0104	EA	2" Brass Remote Control Valve With Flow Control And Captured Solenoid (Rain Bird® EFB-CP-R) And Box (Carson 1419-12)	903.40	141.47
		Note: Purple components for use with recycled water		
32 84 23 00-0105		**Irrigation Valve Boxes** *(32 84 23)*		
		Note: Includes lid.		
32 84 23 00-0106	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND)	96.04	40.74
32 84 23 00-0107	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND)	112.68	40.74
32 84 23 00-0108	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND)	147.80	53.64
32 84 23 00-0109	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD)	250.90	78.31
32 84 23 00-0110	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH)	256.22	78.31
32 84 23 00-0111	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB)	294.39	78.31
32 84 23 00-0112	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH)	298.93	78.31
32 84 23 00-0113	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH)	517.03	78.31
32 84 23 00-0114	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH)	799.52	78.31
32 84 23 00-0115	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Concrete Lid	472.30	138.48
		For 12" Extension, Add	*102.65*	
32 84 23 00-0116	EA	Number 5 CALTRANS Concrete Valve Box With Non-Traffic Rated Steel Lid	749.81	138.48
		For 12" Extension, Add	*102.65*	
32 84 23 00-0117	EA	12" x 17" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1419-12)	205.15	67.90
32 84 23 00-0118	EA	15" x 21" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Carson 1220-12)	296.79	78.31
32 84 23 00-0119	EA	10" Round Irrigation Valve Box With Lid (Carson 910-10)	158.01	53.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0120		**Irrigation Controllers** *(32 84 23)* See CSI section 27 15 13 00-0256 for low voltage wiring.		
32 84 23 00-0121		**Irrigation Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0122		**Irrigation Controllers (Rain Bird®)** *(32 84 23 00-0121)*		
32 84 23 00-0123		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)** *(32 84 23 00-0122)*		
32 84 23 00-0124		**Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0123)*		
32 84 23 00-0125		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)** *(32 84 23 00-0124)*		
32 84 23 00-0126	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	410.98	36.96
32 84 23 00-0127	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	573.85	36.96
32 84 23 00-0128	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	736.73	36.96
32 84 23 00-0129	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	899.60	36.96
32 84 23 00-0130	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,025.53	36.96
32 84 23 00-0131	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,193.04	36.96
32 84 23 00-0132	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series)	1,360.54	36.96
32 84 23 00-0133		**Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)** *(32 84 23 00-0124)*		
32 84 23 00-0134	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	483.05	36.96
32 84 23 00-0135	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	645.93	36.96
32 84 23 00-0136	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	808.81	36.96
32 84 23 00-0137	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	971.68	36.96
32 84 23 00-0138	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,097.61	36.96
32 84 23 00-0139	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,265.12	36.96
32 84 23 00-0140	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series)	1,432.61	36.96
32 84 23 00-0141		**Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0123)*		
32 84 23 00-0142		**Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)** *(32 84 23 00-0141)*		
32 84 23 00-0143	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	661.34	36.96
32 84 23 00-0144	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	824.21	36.96
32 84 23 00-0145	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	987.09	36.96
32 84 23 00-0146	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,149.97	36.96
32 84 23 00-0147	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,275.90	36.96
32 84 23 00-0148	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,443.41	36.96
32 84 23 00-0149	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series)	1,610.90	36.96
32 84 23 00-0150		**Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)** *(32 84 23 00-0141)*		
32 84 23 00-0151	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	715.35	36.96
32 84 23 00-0152	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	878.22	36.96
32 84 23 00-0153	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,041.10	36.96
32 84 23 00-0154	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,203.97	36.96
32 84 23 00-0155	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,329.90	36.96
32 84 23 00-0156	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,497.41	36.96
32 84 23 00-0157	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series)	1,664.90	36.96
32 84 23 00-0158		**Accessories For ESP-ME/MEI Irrigation Controllers** *(32 84 23 00-0123)*		
32 84 23 00-0159	EA	3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	167.50	
32 84 23 00-0160	EA	6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6) Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.	319.96	
32 84 23 00-0161	EA	Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG)	460.94	
32 84 23 00-0162		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)** *(32 84 23 00-0122)*		
32 84 23 00-0163		**Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)** *(32 84 23 00-0162)*		
32 84 23 00-0164	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	978.75	36.96
32 84 23 00-0165	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,184.23	36.96
32 84 23 00-0166	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,393.21	36.96
32 84 23 00-0167	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,598.70	36.96
32 84 23 00-0168	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	1,807.68	36.96
32 84 23 00-0169	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,013.17	36.96

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0170	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,222.16	36.96
32 84 23 00-0171	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,427.64	36.96
32 84 23 00-0172	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,636.62	36.96
32 84 23 00-0173	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series)	2,842.12	36.96
32 84 23 00-0174		Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series) *(32 84 23 00-0162)*		
32 84 23 00-0175	EA	8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	982.98	36.96
32 84 23 00-0176	EA	12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,188.47	36.96
32 84 23 00-0177	EA	16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,397.45	36.96
32 84 23 00-0178	EA	20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,602.94	36.96
32 84 23 00-0179	EA	24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	1,811.93	36.96
32 84 23 00-0180	EA	28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,017.41	36.96
32 84 23 00-0181	EA	32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,226.39	36.96
32 84 23 00-0182	EA	36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,431.88	36.96
32 84 23 00-0183	EA	40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,640.86	36.96
32 84 23 00-0184	EA	44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	2,846.35	36.96
32 84 23 00-0185	EA	48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series)	3,055.34	36.96
32 84 23 00-0186		Accessories For ESP-LX/LXME Irrigation Controllers *(32 84 23 00-0162)*		
32 84 23 00-0187	EA	Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM)	730.30	
32 84 23 00-0188	EA	Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM) Note: Excludes concrete foundation.	1,696.55	
32 84 23 00-0189	EA	Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS)	1,612.90	
32 84 23 00-0190	EA	Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) Note: Excludes concrete foundation.	3,584.10	
32 84 23 00-0191	EA	4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	205.48	
32 84 23 00-0192	EA	8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	414.48	
32 84 23 00-0193	EA	12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.	643.99	
32 84 23 00-0194	EA	Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME)	239.94	
32 84 23 00-0195		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0122)*		
32 84 23 00-0196		Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series) *(32 84 23 00-0195)*		
32 84 23 00-0197	EA	1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	477.88	36.96
32 84 23 00-0198	EA	2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	576.00	36.96
32 84 23 00-0199	EA	4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series)	712.83	36.96
32 84 23 00-0200		Accessories For TBOS-II Series Irrigation Controllers *(32 84 23 00-0195)*		
32 84 23 00-0201	EA	Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS)	611.70	
32 84 23 00-0202	EA	Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL)	119.60	27.71
32 84 23 00-0203		Accessories For Irrigation Controllers (Rain Bird®) *(32 84 23 00-0122)*		
32 84 23 00-0204	EA	Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX)	168.53	27.71
32 84 23 00-0205	EA	Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC)	347.31	27.71
32 84 23 00-0206	EA	Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC)	368.28	27.71
32 84 23 00-0207	EA	Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y)	550.04	27.71
32 84 23 00-0208		Two-Wire Decoder Systems *(32 84 23 00-0120)*		
32 84 23 00-0209		Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0208)*		
32 84 23 00-0210		Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) *(32 84 23 00-0209)* Note: Includes water resistant cabinet.		
32 84 23 00-0211	EA	50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	2,850.07	36.96
32 84 23 00-0212	EA	125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	4,038.56	36.96
32 84 23 00-0213	EA	200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series)	5,227.04	36.96
32 84 23 00-0214		Field Decoders For Two-Wire Decoder Systems (Rain Bird®) *(32 84 23 00-0209)*		
32 84 23 00-0215	EA	One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF)	347.84	36.96
32 84 23 00-0216	EA	One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF)	443.22	36.96
32 84 23 00-0217	EA	Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF)	664.36	36.96
32 84 23 00-0218	EA	Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF)	812.52	36.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0219	EA	Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF)	1,348.94	36.96
32 84 23 00-0220		**Accessories For Two-Wire Decoder Systems (Rain Bird®)** *(32 84 23 00-0209)*		
32 84 23 00-0221	EA	50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD)	2,113.02	
32 84 23 00-0222	EA	75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75)	1,188.48	
32 84 23 00-0223	EA	Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF)	262.66	32.33
32 84 23 00-0224	EA	Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF)	1,202.19	36.96
32 84 23 00-0225		**Rain Bird® Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0226	EA	Rainmaster Evolution Dx2 Controller Note: Includes phone modem and remote plug.	7,942.19	348.56
32 84 23 00-0227		**Calsense Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0228		**Irrigation Controllers** *(32 84 23 00-0227)*		
32 84 23 00-0229	EA	6 Station ET-Driven Irrigation Controller (Calsense ET2000E-6)	2,884.42	92.38
32 84 23 00-0230	EA	8 Station ET-Driven Irrigation Controller (Calsense ET2000E-8)	3,723.69	103.93
32 84 23 00-0231	EA	12 Station ET-Driven Irrigation Controller (Calsense ET2000E-12)	5,115.45	115.48
32 84 23 00-0232	EA	16 Station ET-Driven Irrigation Controller (Calsense ET2000E-16)	5,630.27	115.48
32 84 23 00-0233	EA	24 Station ET-Driven Irrigation Controller (Calsense ET2000E-24)	6,657.87	127.03
32 84 23 00-0234	EA	32 Station ET-Driven Irrigation Controller (Calsense ET2000E-32)	8,039.08	127.03
32 84 23 00-0235	EA	40 Station ET-Driven Irrigation Controller (Calsense ET2000E-40)	9,104.37	138.58
32 84 23 00-0236	EA	48 Station ET-Driven Irrigation Controller (Calsense ET2000E-48)	10,196.79	138.58
32 84 23 00-0237	EA	Upgrade Existing Calsense Controller To ET2000E (Calsense ET2000E-UPGRADE)	2,946.13	46.20
32 84 23 00-0238	EA	Upgrade Existing Calsense Controller With 8 Additional Stations (Calsense STATION UPGRADE)	1,233.88	46.20
32 84 23 00-0239		**Irrigation Controller Accessories** *(32 84 23 00-0227)*		
32 84 23 00-0240	EA	Set Of 10 Keys For Calsense Controllers Or Enclosures (Calsense KEY-1)	120.54	
32 84 23 00-0241	EA	Spare Lock For Enclosures (Calsense PAD)	130.59	
32 84 23 00-0242	EA	Hardware And Software For Up To 4 Additional Light Circuits (Calsense L)	153.69	11.55
32 84 23 00-0243	EA	Transformer For Irrigation Controllers (Calsense TR-1)	217.94	46.20
32 84 23 00-0244	EA	AC Line Protection For Irrigation Controllers (Calsense TP-110)	607.20	46.20
32 84 23 00-0245	EA	Transient Protection Board For Irrigation Controller Stations (Calsense TP-1)	808.10	46.20
		For Outdoor Gray Powder Coated Stainless Steel Enclosure, Add	*361.57*	
32 84 23 00-0246		**Sensors For Irrigation Controllers** *(32 84 23 00-0227)*		
32 84 23 00-0247		**Flow Sensors** *(32 84 23 00-0246)*		
32 84 23 00-0248	EA	1-1/2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 1.5)	1,419.34	69.29
		For Flow Meter Replacement Insert Only, Deduct	*-1,031.95*	
32 84 23 00-0249	EA	2" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 2)	1,469.57	69.29
		For Flow Meter Replacement Insert Only, Deduct	*-1,082.18*	
32 84 23 00-0250	EA	3" Polyvinyl Chloride (PVC) Schedule 80 Tee Mounted Flow Meter (Calsense FM 3)	1,519.80	69.29
		For Flow Meter Replacement Insert Only, Deduct	*-1,132.41*	
32 84 23 00-0251	EA	1" Brass Tee Mounted Flow Meter (Calsense FM 1B)	1,678.99	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,291.29*	
32 84 23 00-0252	EA	1-1/4" Brass Tee Mounted Flow Meter (Calsense FM 1.25B)	1,804.56	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,416.86*	
32 84 23 00-0253	EA	1-1/2" Brass Tee Mounted Flow Meter (Calsense FM 1.5B)	1,854.78	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,467.08*	
32 84 23 00-0254	EA	2" Brass Tee Mounted Flow Meter (Calsense FM 2B)	2,181.25	92.38
		For Flow Meter Replacement Insert Only, Deduct	*-1,665.37*	
32 84 23 00-0255	EA	2" Pipe Saddle Mounted Insertion Flow Meter (Calsense FMBX) Note: For 4" and larger pipe. Excludes pipe saddle.	1,699.61	46.20
		For Flow Meter Replacement Insert Only, Deduct	*-1,183.73*	
32 84 23 00-0256		**Moisture Sensors** *(32 84 23 00-0246)*		
32 84 23 00-0257	EA	Soil Moisture Sensor (Calsense 1000-S)	596.66	34.65
32 84 23 00-0258		**Weather Sensors** *(32 84 23 00-0246)*		
32 84 23 00-0259	EA	Wind Gage, Irrigation Weather Sensor (Calsense WG-1)	1,628.77	92.38
32 84 23 00-0260	EA	Tipping Rain Bucket, Irrigation Weather Sensor (Calsense RB-1)	1,863.76	184.77
32 84 23 00-0261	EA	ET Gage, Irrigation Weather Sensor (Calsense ETG)	3,730.19	138.58
32 84 23 00-0262		**Weather Sensor Accessories** *(32 84 23 00-0246)*		
32 84 23 00-0263	EA	Ceramic Cup For ET Gage Weather Sensor (Calsense ETG-C)	1,096.90	
32 84 23 00-0264	EA	Removal And Replacement Of Circuit Board For ET Gage Weather Sensor (Calsense ETG-PCB)	2,076.31	
32 84 23 00-0265	EA	Vandal Resistant Mounting Base For ET Gage Enclosure (Calsense ETGE-BASE)	1,096.90	46.20
32 84 23 00-0266	EA	Vandal Resistant Stainless Steel Enclosure For ET Gage (Calsense ETGE)	2,544.94	46.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0267		**Antennas For Irrigation Controllers** *(32 84 23 00-0227)*		
		Note: Excludes antenna cable.		
32 84 23 00-0268	EA	Local Radio Dome Antenna (Calsense LR-DOME)	569.53	46.20
32 84 23 00-0269	EA	Local Radio Stick Antenna (Calsense LR-STICK)	833.21	46.20
32 84 23 00-0270	EA	Local Radio Yagi Antenna (Calsense LR-YAGI)	925.60	92.38
32 84 23 00-0271	EA	Local Radio And Calsense Radio, Remote Dome Antenna (Calsense LR-DOME-RR)	569.53	46.20
32 84 23 00-0272	EA	Local Radio And Calsense Radio, Enhanced Remote Dome Antenna (Calsense LR-DOME-RRE)	569.53	46.20
32 84 23 00-0273	EA	GPRS Stubby Antenna (Calsense GR-STUBBY)	569.53	46.20
32 84 23 00-0274	EA	GPRS Stick Antenna (Calsense GR-STICK)	833.21	46.20
32 84 23 00-0275	EA	Spread Spectrum Dome Antenna (Calsense SR-DOME)	569.53	46.20
32 84 23 00-0276	EA	Spread Spectrum Stick Antenna (Calsense SR-STICK)	833.21	46.20
32 84 23 00-0277	EA	Spread Spectrum Yagi Antenna (Calsense SR-YAGI)	925.60	92.38
32 84 23 00-0278	EA	Spread Spectrum And Calsense Radio, Remote Dome Antenna (Calsense SR-DOME-RR)	569.53	46.20
32 84 23 00-0279	EA	Spread Spectrum And Calsense Radio, Enhanced Remote Dome Antenna (Calsense SR-DOME-RRE)	569.53	46.20
32 84 23 00-0280	EA	Spread Spectrum Stubby Antenna (Calsense SR-STUBBY)	569.53	46.20
32 84 23 00-0281	EA	WiFi Stubby Antenna (Calsense WEN-STUBBY)	569.53	46.20
32 84 23 00-0282	LF	Antenna Cable With End Connectors (Calsense LMR-400-DB)	15.67	0.55
32 84 23 00-0283	EA	Surge Protection Device For Antenna (Calsense ANT-PROT)	573.57	23.10
32 84 23 00-0284	EA	5' High, Non-Penetrating, Antenna Tripod Mount (Calsense ANT-TRIP5)	933.67	46.20
32 84 23 00-0285	EA	3' Antenna Stand Off Mount For 3" Maximum Tower Leg (Calsense ANT-SOM)	816.17	
32 84 23 00-0286	EA	Local Radio Frequency Filter (Calsense LR-FILTER)	1,155.20	
32 84 23 00-0287	EA	Spread Spectrum Frequency Filter (Calsense SR-FILTER)	853.84	
32 84 23 00-0288		**Pedestals And Enclosures For Irrigation Controllers** *(32 84 23 00-0227)*		
32 84 23 00-0289	EA	15 Amperes, Circuit Breaker With Enclosure For Irrigation Controllers (Calsense SSE-BREAKER)	515.28	69.29
32 84 23 00-0290	EA	Standard Gray Powder Coated Stainless Steel Controller Enclosure (Calsense C-BOX)	1,258.32	115.48
32 84 23 00-0291	EA	Indoor Wall Mount, Stainless Steel Back Panel (Calsense SSBP) Note: Includes GFI and receptacle.	1,410.81	46.20
32 84 23 00-0292	EA	Standard Gray Powder Coated Stainless Steel Pedestal (Calsense PD-1) Note: Includes factory installed transient protection board and AC line protection.	1,689.08	34.65
32 84 23 00-0293	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE) Note: Includes factory installed transient protection board and AC line protection.	5,307.06	34.65
32 84 23 00-0294	EA	Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-R) Note: Includes factory installed transient protection board, AC line protection and dome antenna.	5,995.96	34.65
32 84 23 00-0295	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D) Note: Includes factory installed transient protection boards and AC line protection. Pre-wired for two controllers.	8,696.41	69.29
32 84 23 00-0296	EA	Double-Wide Heavy-Duty Stainless Steel Enclosure For Irrigation Controllers (Calsense SSE-D-R) Note: Includes factory installed transient protection boards, AC line protection and dome antenna. Pre-wired for two controllers.	9,115.91	69.29
32 84 23 00-0297	EA	Bolt Mounting Template For Heavy-Duty Stainless Steel Enclosures (Calsense SSE-CAM)	297.06	
32 84 23 00-0298	EA	Stainless Steel Fully Enclosed Riser For Calsense SSE Enclosures (Calsense SSE-PED)	960.80	
32 84 23 00-0299		**Central Computer For Irrigation Control Systems** *(32 84 23 00-0227)*		
32 84 23 00-0300	EA	Central Computer For Irrigation Control Systems (Calsense COMP-2) Note: Includes a minimum of 133 MHz Pentium, 32 Meg Ram, 1.2 GB hard drive, 14.4 modem and a printer. Excludes Command Center Water Management software.	6,690.25	
32 84 23 00-0301	EA	Command Center Water Management Software For Central Computer (Calsense COMM-1)	11,849.83	
32 84 23 00-0302	EA	Up To 5 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-5) Note: Package price for up to 5 users. Includes remote communication through internet connection.	2,272.12	
32 84 23 00-0303	EA	>5 To 10 Simultaneous Users Capacity, Calsense Advantage Client/Server Database Add-On (Calsense CS-10) Note: Package price for 6 to 10 users. Includes remote communication through internet connection.	4,479.56	
32 84 23 00-0304	EA	Data Logger With Phone Modem For Irrigation Control Systems (Calsense DL-2)	7,214.55	
32 84 23 00-0305	EA	GPRS Radio For Use At Central Computer (Calsense DTR-G)	4,314.87	
32 84 23 00-0306		**Data Access Service** *(32 84 23 00-0227)*		
32 84 23 00-0307	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN) Note: For communication between GPRS unit and up to 2 controllers.	36.53	
32 84 23 00-0308	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR) Note: For communication between GPRS unit and up to 2 controllers.	399.52	
32 84 23 00-0309	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR) Note: For communication between GPRS unit and up to 2 controllers.	1,712.25	
32 84 23 00-0310	EA	1 Month, Data Access Plan For Up To 2 Controllers (Calsense COMM-1MN-M) Note: For communication between GPRS unit and multiple controllers.	148.40	
32 84 23 00-0311	EA	1 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-1YR-M) Note: For communication between GPRS unit and multiple controllers.	1,598.10	
32 84 23 00-0312	EA	5 Year, Data Access Plan For Up To 2 Controllers (Calsense COMM-5YR-M) Note: For communication between GPRS unit and multiple controllers.	6,849.00	
32 84 23 00-0313		**Communication Options For Irrigation Controllers** *(32 84 23 00-0227)*		
32 84 23 00-0314	EA	FCC License Fee (Calsense)	240.26	
32 84 23 00-0315	EA	P.C.I.A. And/or A.P.C.O. Fee (Calsense) Note: Per frequency or frequency pair.	468.56	
32 84 23 00-0316	EA	Hardware Communication Option For Irrigation Controllers (Calsense M) Note: Allows multiple controllers to be chained together via a communications cable and share one phone line.	1,324.14	
32 84 23 00-0317	EA	Phone Line Communication Option For Irrigation Controllers (Calsense R)	1,392.63	
32 84 23 00-0318	EA	Ethernet Communication Option For Irrigation Controllers (Calsense EN)	1,392.63	
32 84 23 00-0319	EA	WiFi Communication Option For Irrigation Controllers (Calsense WEN)	2,853.75	

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32 84 23 00-0320	EA	Local Radio Communication Option For Irrigation Controllers (Calsense LR)	3,629.97	
32 84 23 00-0321	EA	Spread Spectrum Radio Communication Option For Irrigation Controllers (Calsense SR)	3,629.97	
32 84 23 00-0322	EA	GPRS Radio Modem Communication Option For Irrigation Controllers (Calsense GR)	3,629.97	
32 84 23 00-0323	EA	Fiber Optic Modem Communication Option For Irrigation Controllers (Calsense FOM)	11,643.30	
32 84 23 00-0324	EA	Communication Hub For Irrigation Controllers (Calsense HUB) Note: Accepts up to two communication options. Excludes communication options.	4,480.93	
32 84 23 00-0325		Retrofit Options For Irrigation Controllers *(32 84 23 00-0227)*		
32 84 23 00-0326		Weather Retrofits For Irrigation Controllers *(32 84 23 00-0325)*		
32 84 23 00-0327	EA	Add One Flow Sensor Interface To An Existing Calsense Controller (Calsense F-RETRO)	1,770.38	
32 84 23 00-0328	EA	Add One ET Gage Interface To An Existing Calsense Controller (Calsense G-RETRO)	1,770.38	
32 84 23 00-0329	EA	Add One Tipping Rain Bucket Interface To An Existing Calsense Controller (Calsense RB-RETRO)	1,770.38	
32 84 23 00-0330	EA	Add One Wind Gage Interface To An Existing Calsense Controller (Calsense WG-RETRO)	1,770.38	
32 84 23 00-0331		Phone Communication Retrofits For Irrigation Controllers *(32 84 23 00-0325)*		
32 84 23 00-0332	EA	Add The Ability To Chain To Another Calsense Controller With The Phone Line Communication Option And Share One Phone Line (Calsense M-RETRO)	1,861.70	
32 84 23 00-0333	EA	Add The Phone Line Communication Option To An Existing Calsense Controller (Calsense R-RETRO)	2,204.16	
32 84 23 00-0334	EA	Add The Phone Line Communication Option And The Ability To Chain To Another Calsense Controller And Share One Phone Line (Calsense MLR-RETRO)	3,539.71	
32 84 23 00-0335		Local Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0325)*		
32 84 23 00-0336	EA	Add The Ability To Chain To Another Calsense Controller With The Local Radio Communication Option And Share One Local Radio (Calsense ML-RETRO)	2,090.00	
32 84 23 00-0337	EA	Add The Local Radio Communication Option To An Existing Calsense Controller (Calsense LR-RETRO)	4,418.66	
32 84 23 00-0338	EA	Add The Local Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Local Radio (Calsense MLR-RETRO)	5,742.80	
32 84 23 00-0339		Spread Spectrum Radio Communication Retrofits For Irrigation Controllers *(32 84 23 00-0325)*		
32 84 23 00-0340	EA	Add The Ability To Chain To Another Calsense Controller With The Spread Spectrum Radio Communication Option And Share One Spread Spectrum Radio (Calsense MS-Retro)	2,090.00	
32 84 23 00-0341	EA	Add The Spread Spectrum Radio Communication Option To An Existing Calsense Controller (Calsense SR-RETRO)	4,418.66	
32 84 23 00-0342	EA	Add The Spread Spectrum Radio Communication Option And The Ability To Chain To Another Calsense Controller And Share One Spread Spectrum Radio (Calsense MSR-RETRO)	5,742.80	
32 84 23 00-0343		Ethernet Communication Retrofits For Irrigation Controllers *(32 84 23 00-0325)*		
32 84 23 00-0344	EA	Add The Ability To Chain To Another Calsense Controller With The Ethernet Communication Option And Share One Ethernet Device (Calsense ME-Retro)	2,090.00	
32 84 23 00-0345	EA	Add The Ethernet Communication Option To An Existing Calsense Controller (Calsense EN-RETRO)	2,204.16	
32 84 23 00-0346	EA	Add The Ethernet Communication Option And The Ability To Chain To Another Calsense Controller And Share One Ethernet Device (Calsense MEN-RETRO)	3,539.71	
32 84 23 00-0347		GPRS Radio Modem Communication Retrofits For Irrigation Controllers *(32 84 23 00-0325)*		
32 84 23 00-0348	EA	Add The Ability To Chain To Another Calsense Controller With The GPRS Communication Option And Share One GPRS Modem (Calsense MG-RETRO)	2,090.00	
32 84 23 00-0349	EA	Add The GPRS Communication Option To An Existing Calsense Controller (Calsense GR-RETRO)	4,418.66	
32 84 23 00-0350	EA	Add The GPRS Communication Option And The Ability To Chain To Another Calsense Controller And Share One GPRS Modem (Calsense MGR-RETRO)	5,742.80	
32 84 23 00-0351		Radio Remote Units For Irrigation Controllers *(32 84 23 00-0227)*		
32 84 23 00-0352	EA	Enhanced Radio Remote Hand-Held Transmitter With Carry Case (Calsense RRe-TRAN)	2,101.42	
32 84 23 00-0353	EA	Calsense Integrated Radio Remote Receiver Board (Calsense RR/RRe) Note: Includes polyvinyl chloride (PVC) stick antenna. Excludes antenna cable.	452.03	
32 84 23 00-0354	EA	Wall Mount Charger For Hand-Held Transmitter (Calsense RRTRAN-CHG)	194.06	
32 84 23 00-0355	EA	Removal And Replacement Of Battery For Hand-Held Transmitter (Calsense RRTRAN-BAT)	342.72	
32 84 23 00-0356	EA	Polyvinyl Chloride (PVC) Stick Antenna For Radio Remote Receiver Board (Calsense RR-ANT) Note: Excludes antenna cable.	217.16	11.55
32 84 23 00-0357	EA	Whip Antenna For Radio Remote Receiver Board (Calsense RRe-WHIP) Note: Excludes antenna cable.	422.62	11.55
32 84 23 00-0358	EA	Dome Antenna For Radio Remote Receiver Board (Calsense RR-Dome/RRe-Dome) Note: Excludes antenna cable.	456.87	11.55
32 84 23 00-0359		Satellite Irrigation Controllers (Rain Bird® ESP-SAT) *(32 84 23 00-0120)* Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0360	EA	12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS)	4,912.68	207.87
32 84 23 00-0361	EA	24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS)	5,180.82	219.42
32 84 23 00-0362	EA	40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS)	7,208.03	230.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0363		**LEIT Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0364		**LEIT X Series Irrigation Controller** *(32 84 23 00-0363)*		
32 84 23 00-0365	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	4,625.95	36.96
32 84 23 00-0366	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,076.53	36.96
32 84 23 00-0367	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	5,807.83	36.96
32 84 23 00-0368	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	6,539.14	36.96
32 84 23 00-0369	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,054.40	36.96
32 84 23 00-0370	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series)	7,569.65	36.96
32 84 23 00-0371		**LEIT X Series Irrigation Controller Assembly** *(32 84 23 00-0363)* Note: Includes excavation and concrete for footing, 2" diameter galvanized steel pole (minimum 18" bury), 2" sweeps, controller, and number 5 concrete box with non-traffic rated lid per detail.		
32 84 23 00-0372	EA	10 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,211.88	192.43
32 84 23 00-0373	EA	12 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	5,662.45	192.43
32 84 23 00-0374	EA	16 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	6,393.76	192.43
32 84 23 00-0375	EA	20 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,125.07	192.43
32 84 23 00-0376	EA	24 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	7,640.32	192.43
32 84 23 00-0377	EA	28 Station, Four Program Ambient Light Irrigation Controller (LEIT X Series) Assembly Mounted On Pole	8,155.58	192.43
32 84 23 00-0378		**Enclosure For LEIT Controller Assembly** *(32 84 23 00-0363)* Note: Includes mounting bolts to concrete foundation and installation of enclosure per detail.		
32 84 23 00-0379	EA	12" x 12" x 54" Milled Steel, #9 Expanded Metal, Painted Per Detail, Enclosure With Access Hatch Note: For LEIT Controller	3,531.13	257.93
32 84 23 00-0380		**Hunter Controllers** *(32 84 23 00-0120)*		
32 84 23 00-0381		**Hunter XC Hybrid Controller** *(32 84 23 00-0380)* Note: Operates DC latching solenoids with battery power or a plug in 24 VAC transformer. Includes 6 AA batteries, outdoor stainless steel enclosure and installation of controller in Irrigation Controller Enclosure.		
32 84 23 00-0382	EA	6 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-600-SS)	757.22	92.38
32 84 23 00-0383	EA	12 Station Hybrid Irrigation Controller With Stainless Steel Enclosure (Hunter XCH-1200-SS)	963.75	115.48
32 84 23 00-0384		**DC Latching Solenoid** *(32 84 23 00-0120)*		
32 84 23 00-0385	EA	DC Latching Solenoid (Micro Power Solenoid) For Non-LEIT Controllers Note: As per manufacture of valve.	41.71	
32 84 23 00-0386	EA	DC Solenoid For LEIT Controllers (DIG S-305DC)	66.04	
32 84 23 00-0387		**Irrigation Controller Enclosure Cabinet** *(32 84 23 00-0120)* Note: Includes excavation, installation of concrete foundation, mounting bolts, sweeps, number 5 concrete pull box with non-traffic rated lid and installation of enclosure per detail.		
32 84 23 00-0388	EA	35" (H) x 18" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,355.18	507.75
32 84 23 00-0389	EA	35" (H) x 24" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	3,619.68	553.91
32 84 23 00-0390	EA	35" (H) x 36" (W) x 12" (D), 12 Gauge Cold Rolled Steel Irrigation Controller Enclosure Cabinet, Powdercoated (Tan)	4,002.61	600.06
32 84 23 00-0391	EA	35" (H) x 18" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Irrigation Controller Enclosure Cabinet,	3,355.21	507.75
32 84 23 00-0392	EA	35" (H) x 24" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	3,619.68	553.91
32 84 23 00-0393	EA	35" (H) x 36" (W) x 12" (D), 0.125" 5052-H-32 Aluminum Steel Irrigation Controller Enclosure Cabinet	4,002.61	600.06
32 84 23 00-0394	EA	35" (H) x 18" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,182.21	507.75
32 84 23 00-0395	EA	35" (H) x 24" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,550.06	553.91
32 84 23 00-0396	EA	35" (H) x 36" (W) x 12" (D), Type 304 Stainless Steel Irrigation Controller Enclosure Cabinet	4,932.99	600.06
32 84 23 00-0397		**Irrigation Valves** *(32 84 23)*		
32 84 23 00-0398		**Reduced Pressure Zone Valves With QT Shut-Offs** *(32 84 23 00-0397)* Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0399	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	915.40	46.70
32 84 23 00-0400	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,085.76	57.03
32 84 23 00-0401	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,645.50	66.37
32 84 23 00-0402	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,738.44	76.20
32 84 23 00-0403	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	2,084.13	98.32
32 84 23 00-0404		**Brass Quick-Coupling Irrigation Valves** *(32 84 23 00-0397)*		
32 84 23 00-0405	EA	3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC)	180.71	40.74
		For Valve Key, Add	*51.78*	
32 84 23 00-0406	EA	3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC)	186.70	40.74
		For Locking Cover, Add	*25.00*	
		For Valve Key, Add	*51.78*	
32 84 23 00-0407	EA	1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC)	252.58	40.74
		For Valve Key, Add	*132.46*	
32 84 23 00-0408	EA	1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC)	276.53	40.74
		For Valve Key, Add	*132.46*	

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32 84 23 00-0409	EA	1", 1-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 5NP)	265.26	40.74
32 84 23 00-0410	EA	1", 2-Piece Brass Body, Non-Potable (Purple) Quick-Coupling Irrigation Valve (Rain Bird® 44NP)	276.53	40.74
32 84 23 00-0411		**Anti-Siphon Pressure Type Vacuum Breaker** *(32 84 23 00-0397)*		
		Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0412	EA	3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	314.87	34.41
32 84 23 00-0413	EA	1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	452.52	39.32
32 84 23 00-0414	EA	1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	824.31	45.47
32 84 23 00-0415	EA	1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT)	1,004.32	50.38
32 84 23 00-0416	EA	2" Anti-Siphon Pressure Type Vacuum Breaker	1,011.69	61.45
32 84 23 00-0417		**Aluminum Cam And Groove Adapter** *(32 84 23 00-0397)*		
32 84 23 00-0418	EA	1-1/2" Diameter Type A Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Female Pipe Thread	44.15	
32 84 23 00-0419	EA	2" Diameter Type A Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Female Pipe Thread	46.63	
32 84 23 00-0420	EA	1-1/2" Diameter Type F Aluminum Cam And Groove Male Adapter x 1-1/2" Diameter NPT Male Pipe Thread	45.45	
32 84 23 00-0421	EA	2" Diameter Type F Aluminum Cam And Groove Male Adapter x 2" Diameter NPT Male Pipe Thread	49.07	
32 84 23 00-0422		**Manual Sprinkler Control Valves** *(32 84 23 00-0397)*		
32 84 23 00-0423	EA	3/4" Manual Sprinkler Control Valves, With Union	105.44	33.18
32 84 23 00-0424	EA	1" Manual Sprinkler Control Valves, With Union	128.52	35.64
32 84 23 00-0425	EA	1-1/4" Manual Sprinkler Control Valves, With Union	197.62	45.10
32 84 23 00-0426	EA	1-1/2" Manual Sprinkler Control Valves, With Union	234.34	51.99
32 84 23 00-0427	EA	2" Manual Sprinkler Control Valves, With Union	314.81	61.45
32 84 23 00-0428		**Irrigation Piping** *(32 84 23)*		
32 84 23 00-0429		**Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0428)*		
		Note: Install stabilizers every 20', at change of direction and at sprinkler heads less than 12" tall.		
32 84 23 00-0430		**Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0429)*		
32 84 23 00-0431	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	3.32	1.13
		For >1,000, Deduct	*-0.17*	
32 84 23 00-0432	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.05	1.41
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0433	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.87	1.70
		For >1,000, Deduct	*-0.24*	
32 84 23 00-0434	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.43	2.15
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0435	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.05	2.69
		For >1,000, Deduct	*-0.40*	
32 84 23 00-0436	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	10.21	3.14
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0437	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.01	4.53
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0438	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.25	5.66
		For >1,000, Deduct	*-0.91*	
32 84 23 00-0439	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	25.90	7.07
		For >1,000, Deduct	*-1.30*	
32 84 23 00-0440		**Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0429)*		
32 84 23 00-0441	LF	3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	3.83	1.41
		For >1,000, Deduct	*-0.19*	
32 84 23 00-0442	LF	1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	4.51	1.70
		For >1,000, Deduct	*-0.23*	
32 84 23 00-0443	LF	1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	6.17	2.15
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0444	LF	2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	7.83	2.69
		For >1,000, Deduct	*-0.39*	
32 84 23 00-0445	LF	2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings, On Grade With Pipe Stabilizers	9.89	3.14
		For >1,000, Deduct	*-0.49*	
32 84 23 00-0446	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	13.89	4.53
		For >1,000, Deduct	*-0.69*	
32 84 23 00-0447	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.93	5.66
		For >1,000, Deduct	*-0.95*	
32 84 23 00-0448	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	30.17	7.07
		For >1,000, Deduct	*-1.51*	
32 84 23 00-0449		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, On Grade With Pipe Stabilizers** *(32 84 23 00-0429)*		
32 84 23 00-0450	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.01	1.41
		For >1,000, Deduct	*-0.20*	
32 84 23 00-0451	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	4.76	1.70
		For >1,000, Deduct	*-0.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0452	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	6.65	2.15
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0453	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	8.62	2.69
		For >1,000, Deduct	*-0.43*	
32 84 23 00-0454	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	11.14	3.14
		For >1,000, Deduct	*-0.56*	
32 84 23 00-0455	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	14.01	4.53
		For >1,000, Deduct	*-0.70*	
32 84 23 00-0456	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	18.25	5.66
		For >1,000, Deduct	*-0.91*	
32 84 23 00-0457	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, On Grade With Pipe Stabilizers	26.31	7.07
		For >1,000, Deduct	*-1.32*	

32 84 23 00-0458 Irrigation Piping With Fittings, Trenching, Cover, Backfilled And Compacted

(32 84 23 00-0428)

Note: Install thrust blocks per Caltrans details for 3" piping and larger, upstream of remote control valve.

32 84 23 00-0459 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0458)*

32 84 23 00-0460	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.21	1.41
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0461	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	7.04	1.70
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0462	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.59	2.15
		For >1,000, Deduct	*-0.43*	
32 84 23 00-0463	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.21	2.69
		For >1,000, Deduct	*-0.51*	
32 84 23 00-0464	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.38	3.14
		For >1,000, Deduct	*-0.62*	
32 84 23 00-0465	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.17	4.53
		For >1,000, Deduct	*-0.81*	
32 84 23 00-0466	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	20.42	5.66
		For >1,000, Deduct	*-1.02*	
32 84 23 00-0467	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	28.06	7.07
		For >1,000, Deduct	*-1.40*	

32 84 23 00-0468 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0458)*

32 84 23 00-0469	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.48	1.41
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0470	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.30	1.70
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0471	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	8.86	2.15
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0472	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.47	2.69
		For >1,000, Deduct	*-0.52*	
32 84 23 00-0473	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	12.65	3.14
		For >1,000, Deduct	*-0.63*	
32 84 23 00-0474	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.44	4.53
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0475	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	20.68	5.66
		For >1,000, Deduct	*-1.03*	
32 84 23 00-0476	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	28.32	7.07
		For >1,000, Deduct	*-1.42*	

32 84 23 00-0477 Schedule 40 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0458)*

32 84 23 00-0478	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.74	1.41
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0479	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.57	1.70
		For >1,000, Deduct	*-0.38*	
32 84 23 00-0480	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.12	2.15
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0481	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	10.74	2.69
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0482	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	12.92	3.14
		For >1,000, Deduct	*-0.65*	
32 84 23 00-0483	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.70	4.53
		For >1,000, Deduct	*-0.84*	
32 84 23 00-0484	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	20.94	5.66
		For >1,000, Deduct	*-1.05*	
32 84 23 00-0485	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	28.58	7.07
		For >1,000, Deduct	*-1.43*	

32 84 23 00-0486 Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0458)*

32 84 23 00-0487	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.10	1.41
		For >1,000, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0488	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.85	1.70
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0489	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.61	2.15
		For >1,000, Deduct	*-0.43*	
32 84 23 00-0490	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.59	2.69
		For >1,000, Deduct	*-0.53*	
32 84 23 00-0491	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	12.99	3.14
		For >1,000, Deduct	*-0.65*	
32 84 23 00-0492	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.05	4.53
		For >1,000, Deduct	*-0.80*	
32 84 23 00-0493	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	21.09	5.66
		For >1,000, Deduct	*-1.05*	
32 84 23 00-0494	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	32.33	7.07
		For >1,000, Deduct	*-1.62*	
32 84 23 00-0495		Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted *(32 84 23 00-0458)*		
32 84 23 00-0496	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.37	1.41
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0497	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.11	1.70
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0498	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	8.88	2.15
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0499	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	10.85	2.69
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0500	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.26	3.14
		For >1,000, Deduct	*-0.66*	
32 84 23 00-0501	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.32	4.53
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0502	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	21.35	5.66
		For >1,000, Deduct	*-1.07*	
32 84 23 00-0503	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	32.59	7.07
		For >1,000, Deduct	*-1.63*	
32 84 23 00-0504		Class 200, SDR-21 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted *(32 84 23 00-0458)*		
32 84 23 00-0505	LF	3/4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.63	1.41
		For >1,000, Deduct	*-0.33*	
32 84 23 00-0506	LF	1" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.38	1.70
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0507	LF	1-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 124" Of Cover, Backfilled And Compacted	9.14	2.15
		For >1,000, Deduct	*-0.46*	
32 84 23 00-0508	LF	2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.12	2.69
		For >1,000, Deduct	*-0.56*	
32 84 23 00-0509	LF	2-1/2" Class 200, SDR-21 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.53	3.14
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0510	LF	3" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.58	4.53
		For >1,000, Deduct	*-0.83*	
32 84 23 00-0511	LF	4" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	21.61	5.66
		For >1,000, Deduct	*-1.08*	
32 84 23 00-0512	LF	6" Class 200, SDR-21 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	32.85	7.07
		For >1,000, Deduct	*-1.64*	
32 84 23 00-0513		Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 12" Of Cover, Backfilled And Compacted *(32 84 23 00-0458)*		
32 84 23 00-0514	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.17	1.41
		For >1,000, Deduct	*-0.31*	
32 84 23 00-0515	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	6.92	1.70
		For >1,000, Deduct	*-0.35*	
32 84 23 00-0516	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	8.81	2.15
		For >1,000, Deduct	*-0.44*	
32 84 23 00-0517	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	10.78	2.69
		For >1,000, Deduct	*-0.54*	
32 84 23 00-0518	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	13.31	3.14
		For >1,000, Deduct	*-0.67*	
32 84 23 00-0519	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	16.17	4.53
		For >1,000, Deduct	*-0.81*	
32 84 23 00-0520	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	20.42	5.66
		For >1,000, Deduct	*-1.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0521	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 12" Of Cover, Backfilled And Compacted	28.48	7.07
		For >1,000, Deduct	*-1.42*	
32 84 23 00-0522		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 18" Of Cover, Backfilled And Compacted** *(32 84 23 00-0458)*		
32 84 23 00-0523	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	6.44	1.41
		For >1,000, Deduct	*-0.32*	
32 84 23 00-0524	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	7.18	1.70
		For >1,000, Deduct	*-0.36*	
32 84 23 00-0525	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	9.08	2.15
		For >1,000, Deduct	*-0.45*	
32 84 23 00-0526	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	11.04	2.69
		For >1,000, Deduct	*-0.55*	
32 84 23 00-0527	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	13.58	3.14
		For >1,000, Deduct	*-0.68*	
32 84 23 00-0528	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	16.44	4.53
		For >1,000, Deduct	*-0.82*	
32 84 23 00-0529	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	20.68	5.66
		For >1,000, Deduct	*-1.03*	
32 84 23 00-0530	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 18" Of Cover, Backfilled And Compacted	28.74	7.07
		For >1,000, Deduct	*-1.44*	
32 84 23 00-0531		**Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Irrigation Piping With Fittings, Trenching, 24" Of Cover, Backfilled And Compacted** *(32 84 23 00-0458)*		
32 84 23 00-0532	LF	3/4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	6.70	1.41
		For >1,000, Deduct	*-0.34*	
32 84 23 00-0533	LF	1" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	7.45	1.70
		For >1,000, Deduct	*-0.37*	
32 84 23 00-0534	LF	1-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	9.34	2.15
		For >1,000, Deduct	*-0.47*	
32 84 23 00-0535	LF	2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	11.31	2.69
		For >1,000, Deduct	*-0.57*	
32 84 23 00-0536	LF	2-1/2" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	13.85	3.14
		For >1,000, Deduct	*-0.69*	
32 84 23 00-0537	LF	3" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	16.70	4.53
		For >1,000, Deduct	*-0.84*	
32 84 23 00-0538	LF	4" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	20.94	5.66
		For >1,000, Deduct	*-1.05*	
32 84 23 00-0539	LF	6" Class 315, SDR-13.5 Polyvinyl Chloride (PVC) Gasketed Pipe With Fittings, 24" Of Cover, Backfilled And Compacted	29.00	7.07
		For >1,000, Deduct	*-1.45*	
32 84 23 00-0540		**Irrigation Riser Piping With Fittings** *(32 84 23 00-0428)*		
32 84 23 00-0541	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	20.47	3.39
32 84 23 00-0542	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 6" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.93	4.24
32 84 23 00-0543	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	21.81	3.96
32 84 23 00-0544	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 12" Exposed, Type IV Note: Includes #4 steel reinforcing bar, stainless steel hose clamp	23.62	4.95
32 84 23 00-0545	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	43.63	5.94
32 84 23 00-0546	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 24" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	46.19	7.43
32 84 23 00-0547	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	51.18	7.64
32 84 23 00-0548	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 36" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	54.47	9.55
32 84 23 00-0549	EA	1/2" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	58.73	9.33
32 84 23 00-0550	EA	3/4" Polyvinyl Chloride (PVC) Riser Pipe With Fittings, 48" Exposed, Type I Note: Includes 2" diameter lodge poll support stake, two stainless steel sprinkler ties	62.75	11.67
32 84 23 00-0551		**Irrigation Crossover Piping With Fittings** *(32 84 23 00-0428)* Note: Install per Caltrans details. Includes thrust blocks, HDPE sleeve pipe and fittings, 3" pvc irrigation piping and 1" electrical pvc conduit. Excludes #5 concrete irrigation pull boxes on ends, electrical control wiring. See CSI section 32 84 23 00-0105 for #5 concrete pull box, 32 84 23 00-0595 for irrigation wiring.		
32 84 23 00-0552		**Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench** *(32 84 23 00-0551)*		
32 84 23 00-0553	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	36.67	
		For >1,000, Deduct	*-1.83*	

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32 84 23 00-0554	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	50.92	
		For >1,000, Deduct	*-2.55*	
32 84 23 00-0555	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	69.24	
		For >1,000, Deduct	*-3.46*	
32 84 23 00-0556	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 24" Open Trench Installation	90.68	
		For >1,000, Deduct	*-4.53*	

32 84 23 00-0557 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench *(32 84 23 00-0551)*

32 84 23 00-0558	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	37.46	
		For >1,000, Deduct	*-1.87*	
32 84 23 00-0559	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	51.81	
		For >1,000, Deduct	*-2.59*	
32 84 23 00-0560	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	70.20	
		For >1,000, Deduct	*-3.51*	
32 84 23 00-0561	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	91.74	
		For >1,000, Deduct	*-4.59*	

32 84 23 00-0562 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench *(32 84 23 00-0551)*

32 84 23 00-0563	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 48" Open Trench Installation	38.25	
		For >1,000, Deduct	*-1.91*	
32 84 23 00-0564	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	52.69	
		For >1,000, Deduct	*-2.63*	
32 84 23 00-0565	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	71.17	
		For >1,000, Deduct	*-3.56*	
32 84 23 00-0566	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), 36" Open Trench Installation	92.79	
		For >1,000, Deduct	*-4.64*	

32 84 23 00-0567 Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore *(32 84 23 00-0551)*

32 84 23 00-0568	LF	6" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	97.01	
		For >1,000, Deduct	*-4.85*	
32 84 23 00-0569	LF	8" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	123.48	
		For >1,000, Deduct	*-6.17*	
32 84 23 00-0570	LF	10" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	147.81	
		For >1,000, Deduct	*-7.39*	
32 84 23 00-0571	LF	12" Irrigation Crossover, Corrugated High-Density Polyethylene Pipe (CHDPE), Directional Bore Installation	175.27	
		For >1,000, Deduct	*-8.76*	

32 84 23 00-0572 Below Ground Cam Adapter Assembly *(32 84 23 00-0428)*

Note: Includes minimum 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe

32 84 23 00-0573	EA	Below Ground Cam Adapter Assembly Note: Includes 6" depth gravel or crushed rock, woven wire cloth, jumbo valve box with 15" x 21.5" cover, 1-1/2" brass ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	759.63	

32 84 23 00-0574 Above Ground Cam Adapter Assembly *(32 84 23 00-0428)*

Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe

32 84 23 00-0575	EA	Above Ground Cam Adapter Assembly Note: Includes concrete thrust block, 1-1/2" plastic ball valve, 1-1/2" aluminum male cam adapter x female NPT, 1-1/2" PVC elbow, 2" PVC reducing tee, 30" PVC pipe.	469.41	

32 84 23 00-0576 Thrust Block *(32 84 23 00-0428)*

32 84 23 00-0577	EA	Thrust Block For 1-1/2" Pipe Size And Smaller	40.82	
32 84 23 00-0578	EA	Thrust Block For 2" Pipe	70.09	
32 84 23 00-0579	EA	Thrust Block For 3" And 4" Pipe	99.35	
32 84 23 00-0580	EA	Thrust Block For 6" Pipe	158.68	
32 84 23 00-0581	EA	Thrust Block For 8" Pipe	225.75	

32 84 23 00-0582 Irrigation Swing Joints *(32 84 23)*

32 84 23 00-0583	EA	3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075)	69.01	22.53
32 84 23 00-0584	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12)	78.58	25.14
32 84 23 00-0585	EA	1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS)	106.77	25.14
32 84 23 00-0586	EA	1/2" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	47.53	29.35
32 84 23 00-0587	EA	3/4" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	63.53	39.16
32 84 23 00-0588	EA	1" Diameter, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type I Note: Consists of three threaded 90-degree elbows and 12" threaded pipe.	80.08	48.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0589	EA	1/2" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	67.51	29.81
32 84 23 00-0590	EA	3/4" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	89.28	39.55
32 84 23 00-0591	EA	1" Diameter, 24" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRAN Type II Note: Consists of one threaded 90-degree elbow, one threaded x socket 90 degree elbow, one adapter and 24" threaded pipe.	109.93	48.50
32 84 23 00-0592	EA	1/2" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	38.25	18.26
32 84 23 00-0593	EA	3/4" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	51.13	24.34
32 84 23 00-0594	EA	1" Diameter, Polyvinyl Chloride (PVC) Irrigation Swing Joint, CALTRANS Type III Note: Consists of two street 90-degree elbows.	60.89	30.18
32 84 23 00-0595		**Irrigation Control Wire** *(32 84 23)* Note: Excludes excavation and backfill.		
32 84 23 00-0596		**18 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0595)*		
32 84 23 00-0597	CLF	1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	55.08	16.98
32 84 23 00-0598	CLF	2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	72.47	19.81
32 84 23 00-0599	CLF	3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	83.41	22.64
32 84 23 00-0600	CLF	4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	95.52	25.47
32 84 23 00-0601	CLF	5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	108.79	28.30
32 84 23 00-0602	CLF	6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	130.31	31.12
32 84 23 00-0603	CLF	7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	150.92	33.95
32 84 23 00-0604	CLF	8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	164.00	36.78
32 84 23 00-0605	CLF	9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	180.15	39.61
32 84 23 00-0606	CLF	10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	198.75	42.44
32 84 23 00-0607	CLF	11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	205.55	45.27
32 84 23 00-0608	CLF	12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	213.55	48.09
32 84 23 00-0609	CLF	13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench	225.29	50.92
32 84 23 00-0610		**16 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0595)*		
32 84 23 00-0611	CLF	1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench	58.20	16.98
32 84 23 00-0612		**14 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0595)*		
32 84 23 00-0613	CLF	1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench	58.21	16.98
32 84 23 00-0614		**12 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0595)*		
32 84 23 00-0615	CLF	1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench	78.84	16.98
32 84 23 00-0616		**10 AWG, Irrigation Control Wire, Buried In Trench** *(32 84 23 00-0595)*		
32 84 23 00-0617	CLF	1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench	104.99	16.98
32 84 23 00-0618		**Root Watering Systems** *(32 84 23)* Note: Includes swing assembly.		
32 84 23 00-0619	EA	0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401)	112.50	22.64
		For Root Watering Sand Sock, Add	*5.68*	
32 84 23 00-0620	EA	0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401)	121.83	22.64
		For Root Watering Sand Sock, Add	*5.68*	
32 84 23 00-0621	EA	0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402)	112.50	22.64
		For Root Watering Sand Sock, Add	*5.68*	
32 84 23 00-0622	EA	0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402)	121.83	22.64
		For Root Watering Sand Sock, Add	*5.68*	
32 84 23 00-0623	EA	1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404)	121.83	22.64
		For Root Watering Sand Sock, Add	*5.68*	
32 84 23 00-0624	EA	0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401)	97.59	19.81
		For Root Watering Sand Sock, Add	*5.11*	
32 84 23 00-0625	EA	0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401)	106.54	19.81
		For Root Watering Sand Sock, Add	*5.11*	
32 84 23 00-0626	EA	0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402)	97.59	19.81
		For Root Watering Sand Sock, Add	*5.11*	
32 84 23 00-0627	EA	0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402)	106.54	19.81
		For Root Watering Sand Sock, Add	*5.11*	
32 84 23 00-0628	EA	0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401)	64.80	16.98
		For Root Watering Sand Sock, Add	*4.55*	
32 84 23 00-0629	EA	0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401)	73.32	16.98
		For Root Watering Sand Sock, Add	*4.55*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 90 Planting *(32)*

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varities. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

32 91 Planting Preparation *(32 90)*

32 91 13 Soil Preparation *(32 91)*

32 91 13 16 Mulching *(32 91 13)*

32 91 13 16-0001 Mulch *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pine Bark Nugget Mulch	133.56	
		For >5 To 20, Deduct	*-10.45*	
		For >20 To 50, Deduct	*-15.67*	
		For >50, Deduct	*-22.35*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0003	CY	Hardwood Bark Nugget Mulch	131.23	
		For >5 To 20, Deduct	*-10.33*	
		For >20 To 50, Deduct	*-15.49*	
		For >50, Deduct	*-22.06*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0004	CY	Pine Wood Chip Mulch	126.58	
		For >5 To 20, Deduct	*-10.10*	
		For >20 To 50, Deduct	*-15.15*	
		For >50, Deduct	*-21.47*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0005	CY	Hardwood Chip Mulch	135.89	
		For >5 To 20, Deduct	*-10.56*	
		For >20 To 50, Deduct	*-15.84*	
		For >50, Deduct	*-22.64*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0006	CY	Shredded Hardwood Mulch	135.89	
		For >5 To 20, Deduct	*-10.56*	
		For >20 To 50, Deduct	*-15.84*	
		For >50, Deduct	*-22.64*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0007	CY	Shredded Pine Mulch	114.94	
		For >5 To 20, Deduct	*-9.52*	
		For >20 To 50, Deduct	*-14.27*	
		For >50, Deduct	*-20.02*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0008	CY	Shredded Cedar Mulch	160.33	
		For >5 To 20, Deduct	*-11.78*	
		For >20 To 50, Deduct	*-17.68*	
		For >50, Deduct	*-25.69*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0009	CY	Shredded Cypress Mulch	156.84	
		For >5 To 20, Deduct	*-11.61*	
		For >20 To 50, Deduct	*-17.42*	
		For >50, Deduct	*-25.26*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0010	CY	Shredded Redwood Mulch	166.15	
		For >5 To 20, Deduct	*-12.08*	
		For >20 To 50, Deduct	*-18.11*	
		For >50, Deduct	*-26.42*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0011	CY	Pea Gravel Mulch	129.74	
		For >5 To 20, Deduct	*-10.26*	
		For >20 To 50, Deduct	*-15.38*	
		For >50, Deduct	*-21.87*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0012	CY	Chunk Recycled Tire Mulch	259.11	
		For >5 To 20, Deduct	*-17.76*	
		For >20 To 50, Deduct	*-26.64*	
		For >50, Deduct	*-39.60*	
		For Work On Slopes >2.5:1, Add	*19.23*	
32 91 13 16-0013	CY	Chunk Colored Recycled Tire Mulch	419.74	
		For >5 To 20, Deduct	*-25.79*	
		For >20 To 50, Deduct	*-38.69*	
		For >50, Deduct	*-59.68*	
		For Work On Slopes >2.5:1, Add	*19.23*	
32 91 13 16-0014	CY	Shredded Recycled Tire Mulch	422.07	
		For >5 To 20, Deduct	*-25.91*	
		For >20 To 50, Deduct	*-38.87*	
		For >50, Deduct	*-59.97*	
		For Work On Slopes >2.5:1, Add	*19.23*	
32 91 13 16-0015	CY	Shredded Colored Recycled Tire Mulch	743.33	
		For >5 To 20, Deduct	*-41.97*	
		For >20 To 50, Deduct	*-62.96*	
		For >50, Deduct	*-100.13*	
		For Work On Slopes >2.5:1, Add	*19.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 16-0016	EA	Pine Straw Mulch Bale Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	12.25	
		For >100 To 250, Deduct	*-0.82*	
		For >250 To 500, Deduct	*-1.03*	
		For >500, Deduct	*-1.43*	
		For Work On Slopes >2.5:1, Add	*0.83*	
32 91 13 16-0017	EA	Wheat Straw Mulch Bale Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	12.67	
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 500, Deduct	*-0.94*	
		For >500, Deduct	*-1.42*	
		For Work On Slopes >2.5:1, Add	*0.62*	
32 91 13 16-0018	CY	Stone/Gravel Mulch, Marble Chips	312.23	
		For >5 To 20, Deduct	*-19.38*	
		For >20 To 50, Deduct	*-29.07*	
		For >50, Deduct	*-44.68*	
		For Work On Slopes >2.5:1, Add	*15.07*	
32 91 13 16-0019	CY	Stone Mulch, Decomposed Granite Chips	124.71	
		For >5 To 20, Deduct	*-10.00*	
		For >20 To 50, Deduct	*-15.01*	
		For >50, Deduct	*-21.24*	
		For Work On Slopes >2.5:1, Add	*15.07*	

32 91 13 16-0020 Compost Soil Amendment (AgriService) *(32 91 13 16)*

Note: Includes loading, delivery up to 15 miles and spreading. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles.

32 91 13 16-0021	CY	Humic Compost (OIM) Note: (Agri Service or Equal)	96.40	
		For Work On Slopes >2.5:1, Add	*15.07*	
		For >100 To 1,000, Deduct	*-16.12*	
		For >1,000, Deduct	*-24.71*	

32 91 13 26 Planting Beds *(32 91 13)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0001 Plant Bed Preparation *(32 91 13 26)*

Note: Not for use when installing trees and shrubs.

32 91 13 26-0002	SF	Up To 8" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.20	
		For Work On Slopes >2.5:1, Add	*0.24*	
32 91 13 26-0003	SF	>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.38	
		For Work On Slopes >2.5:1, Add	*0.28*	
32 91 13 26-0004	SF	>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.62	
		For Work On Slopes >2.5:1, Add	*0.32*	
32 91 13 26-0005	SF	Up To 8" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	5.34	
		For Work On Slopes >2.5:1, Add	*1.07*	
32 91 13 26-0006	SF	>8" To 13" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	6.14	
		For Work On Slopes >2.5:1, Add	*1.23*	
32 91 13 26-0007	SF	>13" To 18" Deep, Prepare And Mix Plant Bed By Hand Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.21	
		For Work On Slopes >2.5:1, Add	*1.44*	

32 91 13 26-0008 Plant Bed Preparation With Humic Compost *(32 91 13 26)*

32 91 13 26-0009	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 3 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.30	
		For Work On Slopes >2.5:1, Add	*0.25*	
		For >1,000 To 5,000, Deduct	*-0.19*	
		For >5,000 To 10,000, Deduct	*-0.31*	
		For >10,000 To 20,000, Deduct	*-0.62*	
		For >20,000, Deduct	*-0.87*	
32 91 13 26-0010	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 6 CY Per 1,000 SF) Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.	1.63	
		For Work On Slopes >2.5:1, Add	*0.30*	
		For >1,000 To 5,000, Deduct	*-0.23*	
		For >5,000 To 10,000, Deduct	*-0.38*	
		For >10,000 To 20,000, Deduct	*-0.76*	
		For >20,000, Deduct	*-1.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0011	SF	Prepare And Mix Plant Bed By Rototiller, Up To 8" Deep, Mixing Humic Compost (Mixed At Rate Of 9 CY Per 1,000 SF)	1.94	
		Note: Includes loosening subgrade, removing rubbish, mixing humic compost and raking surface.		
		For Work On Slopes >2.5:1, Add	*0.35*	
		For >1,000 To 5,000, Deduct	*-0.26*	
		For >5,000 To 10,000, Deduct	*-0.44*	
		For >10,000 To 20,000, Deduct	*-0.88*	
		For >20,000, Deduct	*-1.24*	
32 91 13 26-0012		**Planting Pit Preparation** *(32 91 13 26)*		
		Note: Not for use when installing trees and shrubs.		
32 91 13 26-0013	CY	Excavate Planting Pit By Hand, Sandy Soil	92.38	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*18.48*	
32 91 13 26-0014	CY	Excavate Planting Pit By Hand, Heavy Soil	184.77	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*36.95*	
32 91 13 26-0015	CY	Excavate Planting Pit By Machine, Sandy Soil	15.19	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*3.04*	
32 91 13 26-0016	CY	Excavate Planting Pit By Machine, Heavy Soil	19.77	
		Note: For use with existing planting pits.		
		For Work On Slopes >2.5:1, Add	*3.95*	
32 91 13 26-0017	CY	Backfill Planting Pit By Hand With Topsoil From Stockpile	82.10	
		For Work On Slopes >2.5:1, Add	*16.42*	
32 91 13 26-0018	CY	Backfill Planting Pit By Hand With Contractor Furnished Planting Mix	123.86	
		For Work On Slopes >2.5:1, Add	*14.93*	
32 91 13 26-0019	CY	Backfill Planting Pit By Machine, With Topsoil From Stockpile	8.14	
		For Work On Slopes >2.5:1, Add	*1.63*	
32 91 13 26-0020	CY	Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix	69.00	
		For Work On Slopes >2.5:1, Add	*3.95*	
32 91 13 26-0021		**Weed Barrier** *(32 91 13 26)*		
32 91 13 26-0022	SY	Up To 3 Oz./SY Non-Woven, Polypropylene Weed Barrier	2.46	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0023	SY	4 Oz./SY Woven, Polypropylene Weed Barrier	3.34	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 26-0024	SY	5 Oz./SY Woven, Needle Punched Polypropylene Weed Barrier	3.73	
		For Work On Slopes >2.5:1, Add	*0.15*	
32 91 13 33		**Soil Conditioners** *(32 91 13)*		
32 91 13 33-0001		**Spread Soil Conditioners** *(32 91 13 33)*		
32 91 13 33-0002	SY	Aluminum Sulfate 1 Lb./SY, Push Spreader	0.48	
32 91 13 33-0003	MSF	Aluminum Sulfate 110 Lb./MSF Tractor Spreader	46.41	
32 91 13 33-0004	MSF	Fertilizer, 20 Lb./MSF, Push Spreader	7.79	
32 91 13 33-0005	MSF	Fertilizer, 20 Lb./MSF, Tractor Spread	3.38	
32 91 13 33-0006	MSF	Fertilizer, 20 Lb./MSF, Truck Spread	5.81	
32 91 13 33-0007	SY	Pelletized Lime, 1 Lb./SY, Push Spreader	0.11	
32 91 13 33-0008	MSF	Pelitized Lime, 110 Lb./MSF, Tractor Spreader	8.74	
32 91 13 33-0009	SY	Perlite, 1" Deep, Push Spreader	4.22	
32 91 13 33-0010	MSF	Perlite, 1" Deep, Tractor Spreader	439.41	
32 91 13 33-0011	SY	Vermiculite, Push Spreader	3.92	
32 91 13 33-0012	MSF	Vermiculite, Tractor Spreader	429.23	
32 91 13 33-0013	SY	Humate Granular Soil Conditioner, 0.10 Lb./SY, Push Spreader	0.23	
32 91 13 33-0014	MSF	Humate Granular Soil Conditioner, 10 Lb./MSF, Tractor Spreader	21.07	
32 91 13 36		**Lawn Bed Preparation** *(32 91 13)*		
32 91 13 36-0001		**Lawn Bed Preparation** *(32 91 13 36)*		
32 91 13 36-0002	MSF	Rake Topsoil With Machine	94.25	
32 91 13 36-0003	MSF	Rake Topsoil By Hand	73.90	
32 91 13 36-0004	MSF	Screen Loam By Hand	49.27	
32 91 13 36-0005	SY	Roll Topsoil With Machine	1.22	
32 91 13 36-0006	SY	Roll Topsoil By Hand	3.30	
32 91 13 36-0007	MSF	Removal Of Rocks And Debris With Machine	11.15	
32 91 13 36-0008	MSF	Removal Of Rocks And Debris By Hand	34.31	
32 91 13 36-0009	MSF	Root Raking And Loading, No Boulders	58.32	
		For >45 to 225, Deduct	*-40.82*	
		For >225, Deduct	*-52.49*	
32 91 13 36-0010	MSF	Root Raking And Loading, With Boulders	97.20	
		For >45 to 225, Deduct	*-68.04*	
		For >225, Deduct	*-87.48*	
32 91 13 36-0011	MSF	Up To 6" Deep Tilling Topsoil With Tractor	5.26	
32 91 13 36-0012	MSF	>6" To 12" Deep Tilling Topsoil With Tractor	10.66	
		For Work On Slopes >2.5:1, Add	*2.13*	
32 91 13 36-0013	SY	Up To 2" Deep Tilling Topsoil With Rototiller	0.79	
32 91 13 36-0014	SY	>2" To 4" Deep Tilling Topsoil With Rototiller	0.94	
32 91 13 36-0015	SY	>4" To 6" Deep Tilling Topsoil With Rototiller	1.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 36-0016	LF	"V" Cut Soil For Edge Of Planting Beds	1.31	

32 91 13 36-0017 Sod Removal *(32 91 13 36)*

32 91 13 36-0018	SY	Removal Of Sod By Hand	6.23	
		For Work On Slopes >2.5:1, Add	*1.25*	
32 91 13 36-0019	SY	Removal Of Sod With Machine	0.71	
		For Work On Slopes >2.5:1, Add	*0.14*	
32 91 13 36-0020	SY	Pile Sod By Hand	3.69	
		For Work On Slopes >2.5:1, Add	*0.74*	
32 91 13 36-0021	SY	Pile Sod With Machine	1.33	
		For Work On Slopes >2.5:1, Add	*0.27*	

32 91 19 Landscape Grading *(32 91)*

32 91 19 13 Topsoil Placement and Grading *(32 91 19)*

32 91 19 13-0001 Remove And Stockpile Topsoil On Site *(32 91 19 13)*

32 91 19 13-0002	CY	Removal Of Topsoil, 4" Deep Stockpile On Site	5.47
32 91 19 13-0003	CY	Removal Of Topsoil, 6" Deep Stockpile On Site	5.40

32 91 19 13-0004 Screening Topsoil *(32 91 19 13)*

32 91 19 13-0005	CY	Screen Topsoil With Vibrating Screen, Wet Material (Organic)	11.81
32 91 19 13-0006	CY	Screen Topsoil With Vibrating Screen, Dry Material	7.87

32 91 19 13-0007 Spreading Topsoil From Stockpile *(32 91 19 13)*

32 91 19 13-0008	CY	Spread Topsoil By Machine From Stockpile	9.02
32 91 19 13-0009	CY	Spread Topsoil By Hand From Stockpile	70.51

32 91 19 13-0010 Furnish And Place Imported Screened Topsoil *(32 91 19 13)*

Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0048 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.

32 91 19 13-0011	SY	Furnish And Place Imported Screened Topsoil, 2" Deep	4.07	
		For Unscreened, Deduct	*-0.52*	
32 91 19 13-0012	SY	Furnish And Place Imported Screened Topsoil, 4" Deep	7.81	
		For Unscreened, Deduct	*-1.03*	
32 91 19 13-0013	SY	Furnish And Place Imported Screened Topsoil, 6" Deep	11.26	
		For Unscreened, Deduct	*-1.55*	
32 91 19 13-0014	SY	Furnish And Place Imported Screened Topsoil, 9" Deep	16.24	
		For Unscreened, Deduct	*-2.32*	
32 91 19 13-0015	SY	Furnish And Place Imported Screened Topsoil, 12" Deep	21.22	
		For Unscreened, Deduct	*-3.10*	
32 91 19 13-0016	CY	Furnish And Place Imported Screened Topsoil, Over 12" Deep	58.30	
		For Unscreened, Deduct	*-9.28*	

32 91 19 13-0017 Scarify Soil For Planting Preparation *(32 91 19 13)*

Note: Ripped in multiple directions with 3" maximum clods.

32 91 19 13-0018	MSF	Up To 5,000 SF Scarify Up To 8" Soil With Machine	71.11
32 91 19 13-0019	MSF	>5,000 To 20,000 SF Scarify Up To 8" Soil With Machine	49.76
32 91 19 13-0020	MSF	>20,000 SF Scarify Up To 8" Soil With Machine	29.16

32 92 Turf and Grasses *(32 90)*

32 92 16 Plugging *(32 92)*

32 92 16 00-0001 Bermuda Or Centipede Plugging, 1" Deep *(32 92 16)*

Note: Includes fine grade and soil preparation.

32 92 16 00-0002 6" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0003	MSF	Plugging By Hand, 6" On Center	235.33
32 92 16 00-0004	MSF	Plugging By Walk Behind Planter, 6" On Center	29.59
32 92 16 00-0005	MSF	Plugging By Towed Planter, 6" On Center	21.22

32 92 16 00-0006 9" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0007	MSF	Plugging By Hand, 9" On Center	180.62
32 92 16 00-0008	MSF	Plugging By Walk Behind Planter, 9" On Center	23.32
32 92 16 00-0009	MSF	Plugging By Towed Planter, 9" On Center	15.94

32 92 16 00-0010 12" On Center Plugging *(32 92 16 00-0001)*

32 92 16 00-0011	MSF	Plugging By Hand, 12" On Center	152.59
32 92 16 00-0012	MSF	Plugging By Walk Behind Planter, 12" On Center	15.92
32 92 16 00-0013	MSF	Plugging By Towed Planter, 12" On Center	10.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 19 Seeding *(32 92)*

32 92 19 13 Mechanical Seeding *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

32 92 19 13-0001 Tractor Spreader Mechanical Seeding *(32 92 19 13)*

Note: Excludes straw.

32 92 19 13-0002	MSF	Common Bluegrass, Tractor Spreader Note: 4 Lbs./MSF spread rate.	45.59
32 92 19 13-0003	MSF	Tall Fescue, Tractor Spreader Note: 5.5 Lbs./MSF spread rate.	37.90
32 92 19 13-0004	MSF	Rye, Tractor Spreader Note: 10 Lbs./MSF spread rate.	38.57
32 92 19 13-0005	MSF	Shade Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	41.94
32 92 19 13-0006	MSF	Turf Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	44.36
32 92 19 13-0007	MSF	Slope Mix, Tractor Spreader Note: 6 Lbs./MSF spread rate.	41.13
32 92 19 13-0008	MSF	Utility Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	37.10
32 92 19 13-0009	MSF	Wild Flower Mix, Tractor Spreader Note: 0.10 Lbs./MSF spread rate.	29.50
32 92 19 13-0010	MSF	Crown Vetch Mix, Tractor Spreader Note: 4 Lbs./MSF spread rate.	89.60
32 92 19 13-0011	MSF	Athletic Mix, Tractor Spreader Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	54.06
32 92 19 13-0012	MSF	White Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	29.42
32 92 19 13-0013	MSF	Ladino Clover Mix, Tractor Spreader Note: 7 Lbs./MSF spread rate.	32.65

32 92 19 13-0014 Hydro Or Air Mechanical Seeding *(32 92 19 13)*

32 92 19 13-0015	MSF	Common Bluegrass, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate.	93.23
		For Spot Areas Up To 1, Add	*102.06*
		For >1 To 4, Add	*65.75*
		For >4 To 7.5, Add	*44.65*
		For >7.5 To 10, Add	*22.33*
		For >45, Deduct	*-7.61*
		For Tackifier, Add	*4.46*
32 92 19 13-0016	MSF	Tall Fescue, Hydro Or Air Seeding Note: 5.5 Lbs./MSF spread rate.	98.45
		For Spot Areas Up To 1, Add	*104.15*
		For >1 To 4, Add	*66.79*
		For >4 To 7.5, Add	*45.17*
		For >7.5 To 10, Add	*22.59*
		For >45, Deduct	*-7.87*
		For Tackifier, Add	*4.46*
32 92 19 13-0017	MSF	Rye, Hydro Or Air Spread Note: 10 Lbs./MSF spread rate.	93.45
		For Spot Areas Up To 1, Add	*102.15*
		For >1 To 4, Add	*65.79*
		For >4 To 7.5, Add	*44.67*
		For >7.5 To 10, Add	*22.34*
		For >45, Deduct	*-7.62*
		For Tackifier, Add	*4.46*
32 92 19 13-0018	MSF	Shade Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	93.23
		For Spot Areas Up To 1, Add	*102.06*
		For >1 To 4, Add	*65.75*
		For >4 To 7.5, Add	*44.65*
		For >7.5 To 10, Add	*22.33*
		For >45, Deduct	*-7.61*
		For Tackifier, Add	*4.46*
32 92 19 13-0019	MSF	Turf Mix, Hydro Or Air Seeding Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	98.45
		For Spot Areas Up To 1, Add	*104.15*
		For >1 To 4, Add	*66.79*
		For >4 To 7.5, Add	*45.17*
		For >7.5 To 10, Add	*22.59*
		For >45, Deduct	*-7.87*
		For Tackifier, Add	*4.46*
32 92 19 13-0020	MSF	Slope Mix, Hydro Or Air Seeding Note: 6 Lbs./MSF spread rate.	96.21
		For Spot Areas Up To 1, Add	*103.25*
		For >1 To 4, Add	*66.35*
		For >4 To 7.5, Add	*44.95*
		For >7.5 To 10, Add	*22.47*
		For >45, Deduct	*-7.75*
		For Tackifier, Add	*4.46*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0021	MSF	Utility Mix, Hydro Or Air Seeding	94.40	
		Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For Spot Areas Up To 1, Add	*102.53*	
		For >1 To 4, Add	*65.98*	
		For >4 To 7.5, Add	*44.77*	
		For >7.5 To 10, Add	*22.38*	
		For >45, Deduct	*-7.66*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0022	MSF	Wild Flower Mix, Hydro Or Air Seeding	88.59	
		Note: 0.10 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*100.20*	
		For >1 To 4, Add	*64.82*	
		For >4 To 7.5, Add	*44.19*	
		For >7.5 To 10, Add	*22.09*	
		For >45, Deduct	*-7.37*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0023	MSF	Crown Vetch Mix, Hydro Or Air Seeding	141.01	
		Note: 4 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*121.17*	
		For >1 To 4, Add	*75.31*	
		For >4 To 7.5, Add	*49.43*	
		For >7.5 To 10, Add	*24.71*	
		For >45, Deduct	*-9.99*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0024	MSF	Athletic Mix, Hydro Or Air Seeding	124.60	
		Note: 8 Lbs./MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For Spot Areas Up To 1, Add	*114.61*	
		For >1 To 4, Add	*72.02*	
		For >4 To 7.5, Add	*47.79*	
		For >7.5 To 10, Add	*23.89*	
		For >45, Deduct	*-9.17*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0025	MSF	White Clover Mix, Hydro Or Air Seeding	81.50	
		Note: 7 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*97.37*	
		For >1 To 4, Add	*63.40*	
		For >4 To 7.5, Add	*43.48*	
		For >7.5 To 10, Add	*21.74*	
		For >45, Deduct	*-7.02*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0026	MSF	Ladino Clover Mix, Hydro Or Air Seeding	90.24	
		Note: 7 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*100.86*	
		For >1 To 4, Add	*65.15*	
		For >4 To 7.5, Add	*44.35*	
		For >7.5 To 10, Add	*22.18*	
		For >45, Deduct	*-7.46*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0027	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread	94.72	
		Note: 4 Lbs./MSF spread rate.		
		For Spot Areas Up To 1, Add	*102.66*	
		For >1 To 4, Add	*66.05*	
		For >4 To 7.5, Add	*44.80*	
		For >7.5 To 10, Add	*22.40*	
		For >45, Deduct	*-7.68*	
		For Tackifier, Add	*4.46*	
32 92 19 13-0028	MSF	2,500 Lb./Acre, High Performance - Flexible Growth Medium	112.80	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-7.11*	
32 92 19 13-0029	MSF	3,000 Lb./Acre, High Performance - Flexible Growth Medium	130.96	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-8.09*	
32 92 19 13-0030	MSF	3,500 Lb./Acre, High Performance - Flexible Growth Medium	149.18	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-9.08*	
32 92 19 13-0031	MSF	4,000 Lb./Acre, High Performance - Flexible Growth Medium	167.46	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-10.08*	
32 92 19 13-0032	MSF	4,500 Lb./Acre, High Performance - Flexible Growth Medium	185.84	
		Note: Applied with seed. Excludes seed.		
		For >45, Deduct	*-11.08*	

32 92 19 19 Seeding by Hand *(32 92 19)*

Note: Includes fertilizing, liming, mixing, seeding and initial watering. See CSI section 32 91 13 16-0017 for wheat straw mulch.

32 92 19 19-0001 Push Spreader Or Hand Seeding *(32 92 19 19)*

Note: Excludes straw.

32 92 19 19-0002	MSF	Common Bluegrass, Push Spreader Or Hand	112.98	
		Note: 4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.96*	
		For >20 To 45, Deduct	*-15.40*	
		For >45, Deduct	*-25.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 19-0003	MSF	Tall Fescue, Push Spreader Or Hand	105.29	
		Note: 5.5 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.57*	
		For >20 To 45, Deduct	*-14.82*	
		For >45, Deduct	*-24.38*	
32 92 19 19-0004	MSF	Rye, Push Spreader Or Hand	105.96	
		Note: 10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.61*	
		For >20 To 45, Deduct	*-14.87*	
		For >45, Deduct	*-24.45*	
32 92 19 19-0005	MSF	Shade Mix, Push Spreader Or Hand	109.33	
		Note: 6 Lbs./MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
		For >5 To 20, Deduct	*-7.78*	
		For >20 To 45, Deduct	*-15.13*	
		For >45, Deduct	*-24.79*	
32 92 19 19-0006	MSF	Turf Mix, Push Spreader Or Hand	111.75	
		Note: 4 Lbs./MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
		For >5 To 20, Deduct	*-7.90*	
		For >20 To 45, Deduct	*-15.31*	
		For >45, Deduct	*-25.03*	
32 92 19 19-0007	MSF	Slope Mix, Push Spreader Or Hand	108.52	
		Note: 6 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.74*	
		For >20 To 45, Deduct	*-15.07*	
		For >45, Deduct	*-24.71*	
32 92 19 19-0008	MSF	Utility Mix, Push Spreader Or Hand	104.49	
		Note: 7 Lbs./MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
		For >5 To 20, Deduct	*-7.53*	
		For >20 To 45, Deduct	*-14.76*	
		For >45, Deduct	*-24.30*	
32 92 19 19-0009	MSF	Wild Flower Mix, Push Spreader Or Hand	96.89	
		Note: 0.10 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.15*	
		For >20 To 45, Deduct	*-14.19*	
		For >45, Deduct	*-23.54*	
32 92 19 19-0010	MSF	Crown Vetch Mix, Push Spreader Or Hand	156.99	
		Note: 4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-10.16*	
		For >20 To 45, Deduct	*-18.70*	
		For >45, Deduct	*-29.55*	
32 92 19 19-0011	MSF	Athletic Mix, Push Spreader Or Hand	121.45	
		Note: 8 Lbs./MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
		For >5 To 20, Deduct	*-8.38*	
		For >20 To 45, Deduct	*-16.04*	
		For >45, Deduct	*-26.00*	
32 92 19 19-0012	MSF	White Clover Mix, Push Spreader Or Hand	96.81	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.15*	
		For >20 To 45, Deduct	*-14.19*	
		For >45, Deduct	*-23.54*	
32 92 19 19-0013	MSF	Ladino Clover Mix, Push Spreader Or Hand	100.04	
		Note: 7 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.31*	
		For >20 To 45, Deduct	*-14.43*	
		For >45, Deduct	*-23.86*	
32 92 19 19-0014	MSF	100% Kentucky Bluegrass, Push Spreader Or Hand	114.40	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-8.03*	
		For >20 To 45, Deduct	*-15.51*	
		For >45, Deduct	*-25.30*	
32 92 19 19-0015	MSF	70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand	110.29	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.82*	
		For >20 To 45, Deduct	*-15.20*	
		For >45, Deduct	*-24.88*	
32 92 19 19-0016	MSF	50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand	107.30	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.67*	
		For >20 To 45, Deduct	*-14.98*	
		For >45, Deduct	*-24.59*	
32 92 19 19-0017	MSF	50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand	113.28	
		Note: 4.4 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.97*	
		For >20 To 45, Deduct	*-15.42*	
		For >45, Deduct	*-25.18*	
32 92 19 19-0018	MSF	60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand	108.80	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.75*	
		For >20 To 45, Deduct	*-15.09*	
		For >45, Deduct	*-24.74*	
32 92 19 19-0019	MSF	40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand	111.75	
		Note: 3.3 Lbs./MSF spread rate.		
		For >5 To 20, Deduct	*-7.90*	
		For >20 To 45, Deduct	*-15.31*	
		For >45, Deduct	*-25.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

32 92 23 Sodding *(32 92)*

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001 Bermuda Sod *(32 92 23)*

32 92 23 00-0002	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Level Ground	1,501.35	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Level Ground	1,276.31	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Level Ground	1,088.07	
32 92 23 00-0005	MSF	>8,000 SF, Bermuda Sod, Installed On Level Ground	957.85	
32 92 23 00-0006	MSF	Up To 1,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,864.71	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,583.95	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,300.31	
32 92 23 00-0009	MSF	>8,000 SF, Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,138.32	

32 92 23 00-0010 Zoysia Sod *(32 92 23)*

32 92 23 00-0011	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Level Ground	2,133.36	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Level Ground	1,748.51	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Level Ground	1,481.57	
32 92 23 00-0014	MSF	>8,000 SF, Zoysia Sod, Installed On Level Ground	1,272.65	
32 92 23 00-0015	MSF	Up To 1,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,494.31	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	2,056.15	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,693.81	
32 92 23 00-0018	MSF	>8,000 SF, Zoysia Sod, Installed On Sloped (>1:6) Ground With Stakes	1,453.12	

32 92 23 00-0019 Tall Fescue Sod *(32 92 23)*

32 92 23 00-0020	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground	2,212.12	
		For Hybrid Fescue "Marathon", Add		*145.01*
32 92 23 00-0021	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground	1,807.59	
		For Hybrid Fescue "Marathon", Add		*109.31*
32 92 23 00-0022	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,530.80	
		For Hybrid Fescue "Marathon", Add		*91.46*
32 92 23 00-0023	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground	1,312.03	
		For Hybrid Fescue "Marathon", Add		*73.61*
32 92 23 00-0024	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,573.07	
		For Hybrid Fescue "Marathon", Add		*145.01*
32 92 23 00-0025	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	2,115.23	
		For Hybrid Fescue "Marathon", Add		*109.31*
32 92 23 00-0026	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,743.04	
		For Hybrid Fescue "Marathon", Add		*91.46*
32 92 23 00-0027	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes	1,492.50	
		For Hybrid Fescue "Marathon", Add		*73.61*

32 92 23 00-0028 Centipede Sod *(32 92 23)*

32 92 23 00-0029	MSF	Up To 1,000 SF, Centipede Sod, Installed On Level Ground	1,889.97	
32 92 23 00-0030	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Level Ground	1,565.98	
32 92 23 00-0031	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Level Ground	1,329.46	
32 92 23 00-0032	MSF	>8,000 SF, Centipede Sod, Installed On Level Ground	1,150.96	
32 92 23 00-0033	MSF	Up To 1,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	2,250.92	
32 92 23 00-0034	MSF	>1,000 To 4,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,873.62	
32 92 23 00-0035	MSF	>4,000 To 8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,541.70	
32 92 23 00-0036	MSF	>8,000 SF, Centipede Sod, Installed On Sloped (>1:6) Ground With Stakes	1,331.43	

32 92 23 00-0037 Kentucky Blue Grass Sod *(32 92 23)*

32 92 23 00-0038	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,804.15	
32 92 23 00-0039	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,501.61	
32 92 23 00-0040	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,275.82	
32 92 23 00-0041	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground	1,108.05	
32 92 23 00-0042	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	2,165.10	
32 92 23 00-0043	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,809.25	
32 92 23 00-0044	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,488.06	
32 92 23 00-0045	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes	1,288.52	

32 92 23 00-0046 Ballfield Mix 2A Sod 10% Bermuda Shorts, 10% Barclay, 80% Turfstar *(32 92 23)*

32 92 23 00-0047	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,675.41	
32 92 23 00-0048	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,405.05	
32 92 23 00-0049	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,195.35	
32 92 23 00-0050	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Level Ground	1,043.68	
32 92 23 00-0051	MSF	Up To 1,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	2,036.36	
32 92 23 00-0052	MSF	>1,000 To 4,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,712.69	
32 92 23 00-0053	MSF	>4,000 To 8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,407.59	
32 92 23 00-0054	MSF	>8,000 SF, Ballfield Mix 2A Sod, Installed On Sloped (>1:6) Ground With Stakes	1,224.15	

32 92 23 00-0055 GN-1 Sod *(32 92 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 23 00-0056	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Level Ground	2,121.04	
32 92 23 00-0057	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Level Ground	1,739.28	
32 92 23 00-0058	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Level Ground	1,473.88	
32 92 23 00-0059	MSF	>8,000 SF, GN-1 Sod, Installed On Level Ground	1,266.49	
32 92 23 00-0060	MSF	Up To 1,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,481.99	
32 92 23 00-0061	MSF	>1,000 To 4,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	2,046.92	
32 92 23 00-0062	MSF	>4,000 To 8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,686.12	
32 92 23 00-0063	MSF	>8,000 SF, GN-1 Sod, Installed On Sloped (>1:6) Ground With Stakes	1,446.96	

32 92 23 00-0064 Tifgreen Bermuda Sod *(32 92 23)*

32 92 23 00-0065	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	2,218.42	
32 92 23 00-0066	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,812.31	
32 92 23 00-0067	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,534.74	
32 92 23 00-0068	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Level Ground	1,315.18	
32 92 23 00-0069	MSF	Up To 1,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,579.37	
32 92 23 00-0070	MSF	>1,000 To 4,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	2,119.95	
32 92 23 00-0071	MSF	>4,000 To 8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,746.98	
32 92 23 00-0072	MSF	>8,000 SF, Tifgreen Bermuda Sod, Installed On Sloped (>1:6) Ground With Stakes	1,495.65	

32 93 Plants *(32 90)*

32 93 13 Ground Covers *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

32 93 13 00-0001 Ground Covers *(32 93 13)*

32 93 13 00-0002	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush	13.30	
32 93 13 00-0003	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush	23.05	
32 93 13 00-0004	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge	46.99	
32 93 13 00-0005	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge	61.18	
32 93 13 00-0006	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	77.44	
32 93 13 00-0007	EA	1 Quart Waldsteinia ternata - Barren Strawberry	13.30	
32 93 13 00-0008	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	31.92	
32 93 13 00-0009	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	43.44	
32 93 13 00-0010	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	82.45	
32 93 13 00-0011	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	145.41	
32 93 13 00-0012	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	14.88	
32 93 13 00-0013	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	27.49	
32 93 13 00-0014	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	96.64	
32 93 13 00-0015	EA	1 Gallon Juniperus horizontalis "Wiltoni' - Blue Rug Juniper	36.08	
32 93 13 00-0016	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	17.73	
32 93 13 00-0017	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	40.43	
32 93 13 00-0018	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	110.65	
32 93 13 00-0019	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	46.50	
32 93 13 00-0020	EA	1 Quart Iberis sempervirens - Candytuft	13.30	
32 93 13 00-0021	EA	1 Gallon Iberis sempervirens - Candytuft	31.92	
32 93 13 00-0022	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	38.30	
32 93 13 00-0023	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	138.31	
32 93 13 00-0024	EA	3" Pot Ajuga reptans - Carpet Bugle	7.98	
32 93 13 00-0025	EA	1 Quart Ajuga reptans - Carpet Bugle	13.30	
32 93 13 00-0026	EA	1 Gallon Ajuga reptans - Carpet Bugle	31.92	
32 93 13 00-0027	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	137.42	
32 93 13 00-0028	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	31.92	
32 93 13 00-0029	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	138.31	
32 93 13 00-0030	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	41.67	
32 93 13 00-0031	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	92.21	
32 93 13 00-0032	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	138.31	
32 93 13 00-0033	EA	1 Gallon Ranunculaceae - Clematis Varieties	45.81	
32 93 13 00-0034	EA	2 Gallon Ranunculaceae - Clematis Varieties	84.73	
32 93 13 00-0035	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	57.63	
32 93 13 00-0036	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	108.17	
32 93 13 00-0037	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	177.32	
32 93 13 00-0038	EA	4" Pot Lantana camera - Common Lantana	7.98	
32 93 13 00-0039	EA	1 Gallon Lantana camera - Common Lantana	23.05	
32 93 13 00-0040	EA	1 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	27.49	
32 93 13 00-0041	EA	5 Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia	90.43	
32 93 13 00-0042	EA	2 Quart Lysimachia nummularia - Creeping Jenny	13.30	
32 93 13 00-0043	EA	1 Gallon Lysimachia nummularia - Creeping Jenny	25.71	
32 93 13 00-0044	EA	2 Quart Liriope spicata - Creeping Lilytuft	23.05	
32 93 13 00-0045	EA	1 Gallon Liriope spicata - Creeping Lilytuft	41.67	
32 93 13 00-0046	EA	5 Gallon Liriope spicata - Creeping Lilytuft	87.78	
32 93 13 00-0047	EA	Bare Root Liriope spicata - Creeping Liriope	5.81	
32 93 13 00-0048	EA	3" Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	7.98	
32 93 13 00-0049	EA	1 Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary	31.92	
32 93 13 00-0050	EA	2-1/4" Pot Securigera varia - Crown Vetch	5.32	
32 93 13 00-0051	EA	50 Plant Flat Securigera varia - Crown Vetch	179.98	
32 93 13 00-0052	EA	1 Quart Senecio cineraria - Dusty Miller	13.30	
32 93 13 00-0053	EA	1 Gallon Senecio cineraria - Dusty Miller	31.92	
32 93 13 00-0054	EA	2 Gallon Aristolochia macrophylla - Dutchman's Pipe	110.83	
32 93 13 00-0055	EA	5 Gallon Aristolochia macrophylla - Dutchman's Pipe	203.03	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0056	EA	1 Gallon Ilex cornuta - Dwarf Holly	24.08	
32 93 13 00-0057	EA	3 Gallon Ilex cornuta - Dwarf Holly	51.60	
32 93 13 00-0058	EA	3 Gallon Rhaphiolepis umbellata 'Minor' - Dwarf Indian Hawthorn	51.60	
32 93 13 00-0059	EA	1 Gallon Tradescantia spathacea - Dwarf Oyster Plant	17.20	
32 93 13 00-0060	EA	2" To 3" Pot Hedera helix - English Ivy	7.98	
32 93 13 00-0061	EA	12" To 15" Runners Hedera helix - English Ivy	13.30	
32 93 13 00-0062	EA	1 Gallon Hedera helix - English Ivy	31.92	
32 93 13 00-0063	EA	50 Plant Flat Hedera helix - English Ivy	184.42	
32 93 13 00-0064	EA	4" Pot Lavandula angustifolia - English Lavender	11.53	
32 93 13 00-0065	EA	1 Quart Lavandula angustifolia - English Lavender	22.17	
32 93 13 00-0066	EA	1 Gallon Lavandula angustifolia - English Lavender	36.35	
32 93 13 00-0067	EA	1 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	34.58	
32 93 13 00-0068	EA	2 Gallon Euonymus fortunei 'Kewensis' - Wintercreeper	69.16	
32 93 13 00-0069	EA	1 Quart Arundo donax - Giant Reed	42.56	
32 93 13 00-0070	EA	1 Gallon Arundo donax - Giant Reed	61.18	
32 93 13 00-0071	EA	1 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	36.35	
32 93 13 00-0072	EA	2 Gallon Lonicera x heckrottii - Gold Flame Honeysuckle	69.16	
32 93 13 00-0073	EA	1 Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	46.99	
32 93 13 00-0074	EA	1 Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass	70.93	
32 93 13 00-0075	EA	3" Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	7.98	
32 93 13 00-0076	EA	1 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	36.35	
32 93 13 00-0077	EA	2 Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle	69.16	
32 93 13 00-0078	EA	1 Gallon Hardenbergia violacea - Happy Wanderer	31.92	
32 93 13 00-0079	EA	5 Gallon Hardenbergia violacea - Happy Wanderer	106.39	
32 93 13 00-0080	EA	3 Gallon Hibiscus, Assorted Colors	41.57	
32 93 13 00-0081	EA	1 Gallon Acorus gramineus - Japanese Sweet Flag	33.25	
32 93 13 00-0082	EA	1 Gallon Jasminum volubile - Wax Jasmine	16.75	
32 93 13 00-0083	EA	1 Gallon Jasminum volubile - Wax Jasmine	41.57	
32 93 13 00-0084	EA	1 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	20.89	
32 93 13 00-0085	EA	3 Gallon Juniperus davurica 'Parsonii' - Parson's Juniper	46.50	
32 93 13 00-0086	EA	1 Gallon Cissus antarctica - Kangaroo Vine	25.71	
32 93 13 00-0087	EA	5 Gallon Cissus antarctica - Kangaroo Vine	80.68	
32 93 13 00-0088	EA	1 Quart Stachys byzantina - Lamb's Ear	13.30	
32 93 13 00-0089	EA	1 Quart Stachys byzantina - Lamb's Ear	31.92	
32 93 13 00-0090	EA	1 Gallon Lantana spp. Various Colors	18.82	
32 93 13 00-0091	EA	1 Gallon Lantana sellowiana - Trailing Lantana	12.38	
32 93 13 00-0092	EA	1 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	25.71	
32 93 13 00-0093	EA	5 Gallon Cocculus laurifolius - Laurel-leaf Snailseed	92.21	
32 93 13 00-0094	EA	1 Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum	18.82	
32 93 13 00-0095	EA	1 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	23.74	
32 93 13 00-0096	EA	3 Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum	37.96	
32 93 13 00-0097	EA	1 Quart Moss Phlox, Creeping Phlox	13.30	
32 93 13 00-0098	EA	1 Gallon Moss Phlox, Creeping Phlox	31.92	
32 93 13 00-0099	EA	1 Gallon Nephrolepis exaltata - Common Boston Fern	16.75	
32 93 13 00-0100	EA	4" Pot Ophiopogon Japonicus - Mondo grass	7.98	
32 93 13 00-0101	EA	1 Gallon Ophiopogon Japonicus - Mondo grass	31.92	
32 93 13 00-0102	EA	5 Gallon Ophiopogon Japonicus - Mondo grass	73.59	
32 93 13 00-0103	EA	2' To 3' High Oregon Holly-Grape	36.85	
32 93 13 00-0104	EA	1 Gallon Pachysandra terminalis - Pachysandra	48.00	
32 93 13 00-0105	EA	2-1/4" Pot Vinca minor - Periwinkle	4.43	
32 93 13 00-0106	EA	4" Pot Vinca minor - Periwinkle	13.30	
32 93 13 00-0107	EA	Bare Root Vinca minor - Periwinkle	4.43	
32 93 13 00-0108	EA	1 Quart Nepeta mussinii - Persian Catmint	13.30	
32 93 13 00-0109	EA	1 Gallon Nepeta mussinii - Persian Catmint	27.49	
32 93 13 00-0110	EA	1 Gallon Coprosma kirkii - Prostrate Coprosma	22.17	
32 93 13 00-0111	EA	5 Gallon Coprosma kirkii - Prostrate Coprosma	80.68	
32 93 13 00-0112	EA	1 Gallon Juniperus Horizontalis - Prostrate Juniper	36.35	
32 93 13 00-0113	EA	3 Gallon Juniperus Horizontalis - Prostrate Juniper	78.02	
32 93 13 00-0114	EA	5 Gallon Juniperus Horizontalis - Prostrate Juniper	115.26	
32 93 13 00-0115	EA	1 Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	31.66	
32 93 13 00-0116	EA	1 Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	82.03	
32 93 13 00-0117	EA	24 Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper	137.43	
32 93 13 00-0118	EA	1 Gallon Tradescantia spathacea - Rhoeo Discolor "Dwarf"	16.75	
32 93 13 00-0119	EA	1 Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	18.62	
32 93 13 00-0120	EA	1 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	33.25	
32 93 13 00-0121	EA	2 Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue	51.87	
32 93 13 00-0122	EA	1 Gallon Hymenocallis latifolia - Spider Lily	20.64	
32 93 13 00-0123	EA	3 Gallon Hymenocallis latifolia - Spider Lily	55.04	
32 93 13 00-0124	EA	1 Quart Hypericum perforatum - St. John's Wort	13.30	
32 93 13 00-0125	EA	1 Gallon Hypericum perforatum - St. John's Wort	31.92	
32 93 13 00-0126	EA	5 Gallon Hypericum perforatum - St. John's Wort	82.45	
32 93 13 00-0127	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	112.21	
32 93 13 00-0128	EA	1 Gallon Campsis radicans - Trumpet Creeper	48.76	
32 93 13 00-0129	EA	2 Gallon Campsis radicans - Trumpet Creeper	73.59	
32 93 13 00-0130	EA	5 Gallon Campsis radicans - Trumpet Creeper	177.32	
32 93 13 00-0131	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.43	
32 93 13 00-0132	EA	4" Pot Vinca major - Variegated Greater Periwinkle	13.30	
32 93 13 00-0133	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.43	
32 93 13 00-0134	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	23.94	
32 93 13 00-0135	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	33.25	
32 93 13 00-0136	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	51.87	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0137	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	36.35	
32 93 13 00-0138	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	16.85	
32 93 13 00-0139	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	25.71	
32 93 13 00-0140	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	158.03	
32 93 13 00-0141	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.98	
32 93 13 00-0142	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	41.67	
32 93 13 00-0143	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	31.92	
32 93 13 00-0144	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	63.84	
32 93 13 00-0145	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	110.83	
32 93 13 00-0146	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	25.71	
32 93 13 00-0147	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	87.78	
32 93 13 00-0148	EA	Flat Hedera canariensis - Algerian Ivy	25.84	
32 93 13 00-0149	EA	2-1/2" Pot Hedera canariensis - Algerian Ivy	6.82	
32 93 13 00-0150	EA	Flat Gazania 'Copper King'	21.19	
32 93 13 00-0151	EA	1 Gallon Gazania 'Copper King'	7.24	
32 93 13 00-0152	EA	Flat Myoporum parvifolium - Myoporum	25.84	
32 93 13 00-0153	EA	1 Gallon Myoporum parvifolium - Myoporum	7.24	
32 93 13 00-0154	EA	5 Gallon Myoporum parvifolium - Myoporum	20.68	
32 93 13 00-0155	EA	1 Gallon Lantana montevidensis - Purple Lantana	7.24	
32 93 13 00-0156	EA	5 Gallon Lantana montevidensis - Purple Lantana	20.68	
32 93 13 00-0157	EA	Flat Carpobrotus - Ice Plant	19.64	
32 93 13 00-0158	EA	1 Gallon Carpobrotus - Ice Plant	8.27	

32 93 13 00-0159 Ornamental Grasses *(32 93 13)*

32 93 13 00-0160	EA	1 Gallon, Cortaderia selloana - Pampas Grass	36.60	
32 93 13 00-0161	EA	2 Gallon, Cortaderia selloana - Pampas Grass	67.65	
32 93 13 00-0162	EA	3 Gallon, Cortaderia selloana - Pampas Grass	122.95	
32 93 13 00-0163	EA	5 Gallon, Cortaderia selloana - Pampas Grass	223.77	
32 93 13 00-0164	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass	28.01	
32 93 13 00-0165	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass	37.25	
32 93 13 00-0166	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass	39.87	
32 93 13 00-0167	EA	1 Quart, Koeleria glauca - Blue Hair Grass	27.94	
32 93 13 00-0168	EA	1 Gallon, Koeleria glauca - Blue Hair Grass	37.25	
32 93 13 00-0169	EA	3 Gallon, Koeleria glauca - Blue Hair Grass	90.12	
32 93 13 00-0170	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	35.36	
32 93 13 00-0171	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	45.83	
32 93 13 00-0172	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass	87.62	
32 93 13 00-0173	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	32.82	
32 93 13 00-0174	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	51.60	
32 93 13 00-0175	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass	88.31	
32 93 13 00-0176	EA	1 Quart, Pennisetum setaceum - Fountain Grass	30.55	
32 93 13 00-0177	EA	1 Gallon, Pennisetum setaceum - Fountain Grass	31.59	
32 93 13 00-0178	EA	3 Gallon, Pennisetum setaceum - Fountain Grass	69.69	
32 93 13 00-0179	EA	1 Gallon, Saccharum ravennae - Ravenna Grass	96.74	
32 93 13 00-0180	EA	3 Gallon, Saccharum ravennae - Ravenna Grass	108.67	
32 93 13 00-0181	EA	7 Gallon, Saccharum ravennae - Ravenna Grass	179.28	
32 93 13 00-0182	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass	52.53	
32 93 13 00-0183	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass	78.62	
32 93 13 00-0184	EA	1 Quart, Stipa gigantea - Giant Feather Grass	40.10	
32 93 13 00-0185	EA	1 Gallon, Stipa gigantea - Giant Feather Grass	55.87	

32 93 23 Plants and Bulbs *(32 93)*

Note: Materials only. See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

32 93 23 00-0001 Perennials *(32 93 23)*

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	25.71	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	36.35	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	60.29	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	13.30	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	33.25	
32 93 23 00-0007	EA	1 Quart Balloon Flower	13.30	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	33.25	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	13.30	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	33.25	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	43.00	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	13.30	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	33.25	
32 93 23 00-0014	EA	1 Quart Blank Flower	13.30	
32 93 23 00-0015	EA	1 Gallon Blank Flower	30.59	
32 93 23 00-0016	EA	2 Gallon Blank Flower	43.00	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	13.30	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	33.25	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	22.61	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	38.13	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	13.30	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	33.25	
32 93 23 00-0023	EA	1 Quart Blue Star	23.94	
32 93 23 00-0024	EA	1 Gallon Blue Star	38.13	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	13.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	33.25	
32 93 23 00-0027	EA	4" Pot Columbine	7.98	
32 93 23 00-0028	EA	1 Quart Columbine	13.30	
32 93 23 00-0029	EA	1 Gallon Columbine	33.25	
32 93 23 00-0030	EA	1 Quart Common Globeflower	13.30	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	33.25	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	13.30	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	33.25	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	47.88	
32 93 23 00-0035	EA	1 Quart Diploid	16.85	
32 93 23 00-0036	EA	1 Gallon Diploid	38.13	
32 93 23 00-0037	EA	3 Gallon Diploid	65.61	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	18.98	
32 93 23 00-0039	EA	1 Quart Evans Begonia	23.94	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	43.00	
32 93 23 00-0041	EA	1 Quart False Dragonhead	13.30	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	33.25	
32 93 23 00-0043	EA	1 Quart False Spirea	13.30	
32 93 23 00-0044	EA	1 Gallon False Spirea	43.00	
32 93 23 00-0045	EA	3 Gallon False Spirea	59.40	
32 93 23 00-0046	EA	2 Quart False Sunflower	21.28	
32 93 23 00-0047	EA	1 Gallon False Sunflower	33.25	
32 93 23 00-0048	EA	2 Gallon False Sunflower	43.00	
32 93 23 00-0049	EA	1 Gallon Foxglove	30.59	
32 93 23 00-0050	EA	2 Gallon Foxglove	43.00	
32 93 23 00-0051	EA	3 Gallon Foxglove	62.06	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	53.84	
32 93 23 00-0053	EA	1 Quart Garden Phlox	13.30	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	33.25	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	28.37	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	57.19	
32 93 23 00-0057	EA	1 Quart Golden Star	13.30	
32 93 23 00-0058	EA	1 Gallon Golden Star	33.25	
32 93 23 00-0059	EA	1 Quart Goldenrod	13.30	
32 93 23 00-0060	EA	1 Gallon Goldenrod	33.25	
32 93 23 00-0061	EA	1 Gallon Happy Returns Daylillies	61.92	
32 93 23 00-0062	EA	4" Pot Hardy Aster, Michaelmas Daisy	7.98	
32 93 23 00-0063	EA	1 Quart Hardy Aster, Michaelmas Daisy	13.30	
32 93 23 00-0064	EA	1 Gallon Hardy Aster, Michaelmas Daisy	33.25	
32 93 23 00-0065	EA	1 Quart Hardy Chrysanthemum	11.53	
32 93 23 00-0066	EA	6" To 8" Pot Hardy Chrysanthemum	19.07	
32 93 23 00-0067	EA	1 Gallon Hardy Chrysanthemum	30.59	
32 93 23 00-0068	EA	1 Gallon Herbaceous Peony	47.44	
32 93 23 00-0069	EA	2 Gallon Herbaceous Peony	75.81	
32 93 23 00-0070	EA	3 Gallon Herbaceous Peony	99.75	
32 93 23 00-0071	EA	4" Pot Japanese Anemone	7.98	
32 93 23 00-0072	EA	1 Quart Japanese Anemone	23.94	
32 93 23 00-0073	EA	2 Gallon Japanese Anemone	43.00	
32 93 23 00-0074	EA	2" Pot Japanese Spurge	4.73	
32 93 23 00-0075	EA	6" Pot Japanese Spurge	7.09	
32 93 23 00-0076	EA	1 Gallon Japanese Spurge	30.54	
32 93 23 00-0077	EA	1 Quart Oriental Poppy	19.07	
32 93 23 00-0078	EA	1 Gallon Oriental Poppy	38.13	
32 93 23 00-0079	EA	48 Plant Flat Pachysandra terminalis	158.03	
32 93 23 00-0080	EA	1 Gallon Pacific Coast Iris	26.16	
32 93 23 00-0081	EA	3 Gallon Pacific Coast Iris	49.66	
32 93 23 00-0082	EA	1 Gallon Palace Purple Coral Bells	50.34	
32 93 23 00-0083	EA	4" Pot Perennial Salvia	7.98	
32 93 23 00-0084	EA	1 Quart Perennial Salvia	13.30	
32 93 23 00-0085	EA	1 Gallon Perennial Salvia	33.25	
32 93 23 00-0086	EA	1 Quart Pincushion Flower	13.30	
32 93 23 00-0087	EA	1 Gallon Pincushion Flower	33.25	
32 93 23 00-0088	EA	2 Quart Plantain Lily	25.71	
32 93 23 00-0089	EA	1 Gallon Plantain Lily	36.35	
32 93 23 00-0090	EA	2 Gallon Plantain Lily	60.29	
32 93 23 00-0091	EA	3 Gallon Plantain Lily	113.94	
32 93 23 00-0092	EA	2 Quart Purple Coneflower	23.94	
32 93 23 00-0093	EA	1 Gallon Purple Coneflower	33.25	
32 93 23 00-0094	EA	2 Gallon Purple Coneflower	43.00	
32 93 23 00-0095	EA	1 Quart Purple Loosestrife	13.30	
32 93 23 00-0096	EA	1 Gallon Purple Loosestrife	33.25	
32 93 23 00-0097	EA	1 Quart Rose Mallow	26.16	
32 93 23 00-0098	EA	2 Gallon Rose Mallow	47.44	
32 93 23 00-0099	EA	3 Gallon Rose Mallow	81.13	
32 93 23 00-0100	EA	1 Gallon Autumn Joy Sedum	50.69	
32 93 23 00-0101	EA	1 Quart Siberian Iris	22.61	
32 93 23 00-0102	EA	2 Gallon Siberian Iris	43.00	
32 93 23 00-0103	EA	3 Gallon Siberian Iris	59.40	
32 93 23 00-0104	EA	1 Quart Speedwell	13.30	
32 93 23 00-0105	EA	1 Gallon Speedwell	33.25	
32 93 23 00-0106	EA	1 Quart Tetraploid	33.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 23 00-0107	EA	1 Gallon Tetraploid	62.06	
32 93 23 00-0108	EA	3 Gallon Tetraploid	84.68	
32 93 23 00-0109	EA	1 Quart Threadleaf Coreopsis	13.30	
32 93 23 00-0110	EA	1 Gallon Threadleaf Coreopsis	33.25	
32 93 23 00-0111	EA	1 Quart Torch Lily	13.30	
32 93 23 00-0112	EA	1 Quart Bluebeard	23.94	
32 93 23 00-0113	EA	1 Gallon Bluebeard	35.47	
32 93 23 00-0114	EA	2 Gallon Bluebeard	51.87	
32 93 23 00-0115		Annuals *(32 93 23)*		
32 93 23 00-0116	EA	2-1/2" Pot Annual Flowers	6.17	
32 93 23 00-0117	EA	3" Pot Annual Flowers	8.35	
32 93 23 00-0118	EA	4" Pot Annual Flowers	17.84	
32 93 23 00-0119	EA	5-1/2" Pot Annual Flowers	23.73	
32 93 23 00-0120	EA	6" Pot Annual Flowers	46.98	
32 93 23 00-0121	EA	8" Pot Annual Flowers	78.30	
32 93 23 00-0122	EA	36 Plant Flat Annual Flowers	102.50	
32 93 23 00-0123	EA	48 Plant Flat Annual Flowers	116.27	
32 93 23 00-0124		Bulbs *(32 93 23)*		
32 93 23 00-0125	EA	Top Size Allium giganteum - Giant Ornamental Onion	21.46	
32 93 23 00-0126	EA	Top Size Allium sphaerocephalum - Drumstick Ornamental Onion	1.24	
32 93 23 00-0127	EA	Top Size Crocus Hybrid	1.40	
32 93 23 00-0128	EA	Top Size Eranthis hyemalis - Winter Aconite	1.82	
32 93 23 00-0129	EA	Top Size Galanthus nivalis - Snowdrops	2.31	
32 93 23 00-0130	EA	Top Size Iris reticulata cvs - Dutch Iris	0.91	
32 93 23 00-0131	EA	Top Size Muscari armeniacum - Grape Hyacinth	1.07	
32 93 23 00-0132	EA	Top Size Muscari latifolium - Grape Hyacinth	1.24	
32 93 23 00-0133	EA	Narcissus 'Carlton' - Carlton Daffodil DNI	7.43	
32 93 23 00-0134	EA	Narcissus 'Dutch Master' - Dutch Master Daffodil DNI	3.55	
32 93 23 00-0135	EA	Narcissus 'February Gold' - February Gold Daffodil DNI	3.71	
32 93 23 00-0136	EA	Narcissus 'Ice Follies' - Ice Follies Daffodil DNI	3.71	
32 93 23 00-0137	EA	Narcissus 'Mount Hood' - Mount Hood Daffodil DNI	3.88	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc' - Papillon Blanc Daffodil DNI	4.13	
32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.88	
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.63	
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.88	
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.88	
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.16	
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.30	
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.48	
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.30	
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.89	
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	4.13	
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	3.14	
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.72	
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	3.05	
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	3.05	
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	3.05	
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apledoorn' - Golden Apledoorn Tulip	2.48	
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.39	
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.48	
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory FloradaleTulip	4.13	
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.48	
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.30	
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.55	
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.71	
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.97	
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.81	
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	3.05	
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	3.05	
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.39	
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.65	
32 93 23 00-0168	EA	Top Size Tulip 'Shirley - Shirley Tulip	2.48	
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	3.22	
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.48	
32 93 33		**Shrubs** *(32 93)*		
		Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0033 for installation and planting of shurbs.		
32 93 33 00-0001		Shrubs *(32 93 33)*		
32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	22.62	
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	46.07	
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	88.43	
32 93 33 00-0005	EA	1 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	9.61	
32 93 33 00-0006	EA	5 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	23.78	
32 93 33 00-0007	EA	15 Gallon Abelia grandiflora 'Edward Goucher' - Pink Abelia	94.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0008	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	105.93	
32 93 33 00-0009	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	154.82	
32 93 33 00-0010	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	172.74	
32 93 33 00-0011	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	218.37	
32 93 33 00-0012	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	242.82	
32 93 33 00-0013	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	48.89	
32 93 33 00-0014	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	65.19	
32 93 33 00-0015	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	81.48	
32 93 33 00-0016	EA	1 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	9.61	
32 93 33 00-0017	EA	5 Gallon Agapanthus 'Peter Pan' - Lily of the Nile	23.78	
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	44.47	
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	52.31	
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	62.78	
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	73.24	
32 93 33 00-0022	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	88.93	
32 93 33 00-0023	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	43.16	
32 93 33 00-0024	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	45.77	
32 93 33 00-0025	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	48.39	
32 93 33 00-0026	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	54.93	
32 93 33 00-0027	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	43.81	
32 93 33 00-0028	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.43	
32 93 33 00-0029	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.04	
32 93 33 00-0030	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	51.66	
32 93 33 00-0031	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	8.99	
32 93 33 00-0032	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	20.79	
32 93 33 00-0033	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	10.54	
32 93 33 00-0034	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	23.18	
32 93 33 00-0035	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	31.33	
32 93 33 00-0036	EA	1 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	9.61	
32 93 33 00-0037	EA	5 Gallon Baccharis pilularis 'Pigeon Point' - Dwarf Coyote Brush	23.78	
32 93 33 00-0038	EA	1 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	9.61	
32 93 33 00-0039	EA	5 Gallon Baccharis pilularis 'Twin Peaks' - Dwarf Coyote Brush	23.78	
32 93 33 00-0040	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	11.24	
32 93 33 00-0041	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	16.44	
32 93 33 00-0042	EA	15" To 18" Berberis - Northern Bayberry	46.92	
32 93 33 00-0043	EA	2' To 2-1/2' Berberis - Northern Bayberry	59.57	
32 93 33 00-0044	EA	2-1/2' To 3' Berberis - Northern Bayberry	83.46	
32 93 33 00-0045	EA	1 Gallon Berberis Buxifolia 'Nana' - Barberry	10.85	
32 93 33 00-0046	EA	5 Gallon Berberis Buxifolia 'Nana' - Barberry	26.15	
32 93 33 00-0047	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	50.16	
32 93 33 00-0048	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	64.21	
32 93 33 00-0049	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	82.05	
32 93 33 00-0050	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	13.49	
32 93 33 00-0051	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	26.55	
32 93 33 00-0052	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	32.45	
32 93 33 00-0053	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	12.79	
32 93 33 00-0054	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	36.11	
32 93 33 00-0055	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	50.16	
32 93 33 00-0056	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	77.41	
32 93 33 00-0057	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	14.61	
32 93 33 00-0058	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	39.20	
32 93 33 00-0059	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	41.73	
32 93 33 00-0060	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	53.67	
32 93 33 00-0061	EA	18" To 24" Buxus microphylla japonica - Japanese Boxwood	71.51	
32 93 33 00-0062	EA	24" To 30" Buxus microphylla japonica - Japanese Boxwood	107.34	
32 93 33 00-0063	EA	30" To 36" Buxus microphylla japonica - Japanese Boxwood	149.07	
32 93 33 00-0064	EA	12" To 15" Buxus sempervirens - Common Boxwood	41.73	
32 93 33 00-0065	EA	15" To 18" Buxus sempervirens - Common Boxwood	53.67	
32 93 33 00-0066	EA	18" To 24" Buxus sempervirens - Common Boxwood	71.51	
32 93 33 00-0067	EA	24" To 30" Buxus sempervirens - Common Boxwood	107.34	
32 93 33 00-0068	EA	2 Gallon Buxus Hybrid - Boxwood Cultivars	27.46	
32 93 33 00-0069	EA	5 Gallon Buxus Hybrid - Boxwood Cultivars	45.77	
32 93 33 00-0070	EA	5 Gallon Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0071	EA	18" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	65.39	
32 93 33 00-0072	EA	24" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	88.93	
32 93 33 00-0073	EA	30" Balled and Burlapped, Buxus microphylla & cvs - Little leaf Boxwood	120.32	
32 93 33 00-0074	EA	1 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	8.36	
32 93 33 00-0075	EA	5 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	25.73	
32 93 33 00-0076	EA	15 Gallon Callistemon citrinus ' Little John' - Dwarf Bottle Bush	83.62	
32 93 33 00-0077	EA	5 Gallon Calycanthus floridus - Common Sweetshrub	43.16	
32 93 33 00-0078	EA	30" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	39.23	
32 93 33 00-0079	EA	36" Balled and Burlapped, Calycanthus floridus - Common Sweetshrub	52.31	
32 93 33 00-0080	EA	1 Gallon Camellia "Sasanqua" - Camellia	16.76	
32 93 33 00-0081	EA	3 Gallon Camellia "Sasanqua" - Camellia	35.75	
32 93 33 00-0082	EA	5 Gallon Camellia "Sasanqua" - Camellia	59.43	
32 93 33 00-0083	EA	7 Gallon Camellia "Sasanqua" - Camellia	88.50	
32 93 33 00-0084	EA	15 Gallon Camellia "Sasanqua" - Camellia	229.62	
32 93 33 00-0085	EA	1 Gallon Camellia japonica - Camellia	16.76	
32 93 33 00-0086	EA	3 Gallon Camellia japonica - Camellia	35.75	
32 93 33 00-0087	EA	5 Gallon Camellia japonica - Camellia	59.43	
32 93 33 00-0088	EA	5 Gallon Ceanothus americanus - New Jersey Tea	43.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0089	EA	1 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	10.85	
32 93 33 00-0090	EA	5 Gallon Ceanothus Griseus Horizontalis 'Yankee Point' - Yankee Point Ceanothus	28.22	
32 93 33 00-0091	EA	5 Gallon Celastrus scandens - Bittersweet	43.16	
32 93 33 00-0092	EA	36" Balled and Burlapped, Celastrus scandens - Bittersweet	36.62	
32 93 33 00-0093	EA	5 Gallon Cephalanthus occidentalis - Buttonbush	43.16	
32 93 33 00-0094	EA	24" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	32.70	
32 93 33 00-0095	EA	30" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	36.62	
32 93 33 00-0096	EA	36" Balled and Burlapped, Cephalanthus occidentalis - Buttonbush	39.23	
32 93 33 00-0097	EA	18" To 24" Chaenomeles speciosa - Flowering Quince	37.65	
32 93 33 00-0098	EA	2' To 3' Chaenomeles speciosa - Flowering Quince	50.16	
32 93 33 00-0099	EA	3' To 4' Chaenomeles speciosa - Flowering Quince	77.41	
32 93 33 00-0100	EA	1 Gallon Cistus Hybridus - White Rockrose	9.61	
32 93 33 00-0101	EA	5 Gallon Cistus Hybridus - White Rockrose	23.78	
32 93 33 00-0102	EA	3 Gallon Clethra alnifolia & cvs - Summersweet Clethra	41.85	
32 93 33 00-0103	EA	18" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	45.12	
32 93 33 00-0104	EA	24" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	50.35	
32 93 33 00-0105	EA	30" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	52.97	
32 93 33 00-0106	EA	36" Balled and Burlapped, Clethra alnifolia & cvs - Summersweet Clethra	62.12	
32 93 33 00-0107	EA	1 Gallon Coleonema Pulchellum - Confetti Bush	9.61	
32 93 33 00-0108	EA	5 Gallon Coleonema Pulchellum - Confetti Bush	23.78	
32 93 33 00-0109	EA	15 Gallon Coleonema Pulchellum - Confetti Bush	111.33	
32 93 33 00-0110	EA	2' To 3' Cornus mas - Cornelian Cherry	59.57	
32 93 33 00-0111	EA	3' To 4' Cornus mas - Cornelian Cherry	74.46	
32 93 33 00-0112	EA	4' To 5' Cornus mas - Cornelian Cherry	95.40	
32 93 33 00-0113	EA	5' To 6' Cornus mas - Cornelian Cherry	131.08	
32 93 33 00-0114	EA	5 Gallon Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0115	EA	36" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	27.46	
32 93 33 00-0116	EA	48" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	31.39	
32 93 33 00-0117	EA	60" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	39.23	
32 93 33 00-0118	EA	72" Balled and Burlapped, Cornus alba & cvs - Tartarian Dogwood	47.08	
32 93 33 00-0119	EA	36" Balled and Burlapped, Cornus amomum - Silky Dogwood	39.23	
32 93 33 00-0120	EA	5 Gallon Cornus obliqua - Blue Fruited Dogwood	43.16	
32 93 33 00-0121	EA	5 Gallon Cornus racemosa - Gray Dogwood	43.16	
32 93 33 00-0122	EA	36" Balled and Burlapped, Cornus racemosa - Gray Dogwood	39.23	
32 93 33 00-0123	EA	48" Balled and Burlapped, Cornus racemosa - Gray Dogwood	45.77	
32 93 33 00-0124	EA	60" Balled and Burlapped, Cornus racemosa - Gray Dogwood	49.70	
32 93 33 00-0125	EA	72" Balled and Burlapped, Cornus racemosa - Gray Dogwood	60.16	
32 93 33 00-0126	EA	36" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	42.50	
32 93 33 00-0127	EA	48" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	47.74	
32 93 33 00-0128	EA	60" Balled and Burlapped, Cornus sanguinea & cvs - Bloodtwig Dogwood	54.27	
32 93 33 00-0129	EA	24" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	34.00	
32 93 33 00-0130	EA	30" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	39.23	
32 93 33 00-0131	EA	36" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	41.85	
32 93 33 00-0132	EA	48" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	45.77	
32 93 33 00-0133	EA	60" Balled and Burlapped, Cornus sericea & cvs - Redosier Dogwood	51.01	
32 93 33 00-0134	EA	5 Gallon Corylus americana - American Filbert	40.54	
32 93 33 00-0135	EA	30" Balled and Burlapped, Corylus americana - American Filbert	45.77	
32 93 33 00-0136	EA	36" Balled and Burlapped, Corylus americana - American Filbert	49.04	
32 93 33 00-0137	EA	48" Balled and Burlapped, Corylus americana - American Filbert	52.97	
32 93 33 00-0138	EA	24" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	130.78	
32 93 33 00-0139	EA	30" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	170.02	
32 93 33 00-0140	EA	36" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	183.10	
32 93 33 00-0141	EA	42" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	235.41	
32 93 33 00-0142	EA	48" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	287.72	
32 93 33 00-0143	EA	60" Balled and Burlapped, Corylus avellena - Contorted Hazelnut	326.96	
32 93 33 00-0144	EA	5' To 6' Cotinus coggygria - Smoke Tree	125.18	
32 93 33 00-0145	EA	6' To 8' Cotinus coggygria - Smoke Tree	187.70	
32 93 33 00-0146	EA	8' To 10' Cotinus coggygria - Smoke Tree	283.10	
32 93 33 00-0147	EA	5 Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0148	EA	18" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	32.70	
32 93 33 00-0149	EA	24" Balled and Burlapped, Cotoneaster acutifolia & cvs - Peking Cotoneaster	34.00	
32 93 33 00-0150	EA	12" To 15" Spread Cotoneaster adpressus - Creeping Cotoneaster	31.33	
32 93 33 00-0151	EA	3 Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0152	EA	18" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	32.70	
32 93 33 00-0153	EA	24" Balled and Burlapped, Cotoneaster apiculata & cvs - Cranberry Cotoneaster	34.00	
32 93 33 00-0154	EA	1 Gallon Cotoneaster divaricatus - Spreading Cotoneaster	13.49	
32 93 33 00-0155	EA	2' To 3' Cotoneaster divaricatus - Spreading Cotoneaster	41.73	
32 93 33 00-0156	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster	56.34	
32 93 33 00-0157	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster	95.40	
32 93 33 00-0158	EA	1 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	9.61	
32 93 33 00-0159	EA	5 Gallon Cotoneaster glaucophyllus - Gray Leaf Cotoneaster	23.78	
32 93 33 00-0160	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	13.49	
32 93 33 00-0161	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster	26.55	
32 93 33 00-0162	EA	1 Gallon Cotoneaster lacteus - Red Clusterberry	9.61	
32 93 33 00-0163	EA	5 Gallon Cotoneaster lacteus - Red Clusterberry	23.78	
32 93 33 00-0164	EA	15 Gallon Cotoneaster lacteus - Red Clusterberry	94.38	
32 93 33 00-0165	EA	1 Gallon Dendromecon harfordii - Island Bush Poppy	21.44	
32 93 33 00-0166	EA	5 Gallon Dendromecon harfordii - Island Bush Poppy	53.60	
32 93 33 00-0167	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	33.35	
32 93 33 00-0168	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	36.62	
32 93 33 00-0169	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	47.08	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0170	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	54.93	
32 93 33 00-0171	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia	62.78	
32 93 33 00-0172	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	52.31	
32 93 33 00-0173	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	62.78	
32 93 33 00-0174	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle	73.24	
32 93 33 00-0175	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle	19.62	
32 93 33 00-0176	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	47.08	
32 93 33 00-0177	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle	62.78	
32 93 33 00-0178	EA	1 Gallon Elaeagnus - Silverberry	12.03	
32 93 33 00-0179	EA	3 Gallon Elaeagnus - Silverberry	24.06	
32 93 33 00-0180	EA	5 Gallon Elaeagnus - Silverberry	33.09	
32 93 33 00-0181	EA	5 Gallon Elaeagnus angustifolia - Russian Olive	23.78	
32 93 33 00-0182	EA	1 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	9.61	
32 93 33 00-0183	EA	5 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	23.78	
32 93 33 00-0184	EA	15 Gallon Elaeagnus ebbingei 'Gilt Edge' - Gilt Edge Silverberry	94.38	
32 93 33 00-0185	EA	1 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	9.61	
32 93 33 00-0186	EA	5 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	23.78	
32 93 33 00-0187	EA	15 Gallon Elaeagnus pungens 'Fruitlandii' - Fruitland Silverberry	94.38	
32 93 33 00-0188	EA	3' To 4' Elaeagnus umbellata - Autumn Olive	39.06	
32 93 33 00-0189	EA	4' To 5' Elaeagnus umbellata - Autumn Olive	53.67	
32 93 33 00-0190	EA	5' To 6' Elaeagnus umbellata - Autumn Olive	64.21	
32 93 33 00-0191	EA	3' To 4' Elaeagnus angustiflolia - Russian Olive	62.52	
32 93 33 00-0192	EA	1 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	9.61	
32 93 33 00-0193	EA	5 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	23.78	
32 93 33 00-0194	EA	15 Gallon Escallonia x exoniensis 'Fradesii' - Pink Princess Escallonia	94.38	
32 93 33 00-0195	EA	1 Gallon Euonymus - Gold Spot	11.24	
32 93 33 00-0196	EA	2 Gallon Euonymus - Gold Spot	23.60	
32 93 33 00-0197	EA	5 Gallon Euonymus - Gold Spot	32.46	
32 93 33 00-0198	EA	1 Gallon Euonymus alatus - Winged Euonymus	9.60	
32 93 33 00-0199	EA	3 Gallon Euonymus alatus - Winged Euonymus	27.67	
32 93 33 00-0200	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus	37.30	
32 93 33 00-0201	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus	46.62	
32 93 33 00-0202	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus	64.07	
32 93 33 00-0203	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus	79.11	
32 93 33 00-0204	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus	93.25	
32 93 33 00-0205	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus	120.32	
32 93 33 00-0206	EA	5 Gallon Euonymus alatus - Winged Euonymus	34.59	
32 93 33 00-0207	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus	150.40	
32 93 33 00-0208	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	58.85	
32 93 33 00-0209	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	69.97	
32 93 33 00-0210	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	91.55	
32 93 33 00-0211	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	109.86	
32 93 33 00-0212	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus	136.01	
32 93 33 00-0213	EA	18" To 24" Euonymus alatus - Winged Burning Bush	41.73	
32 93 33 00-0214	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush	49.17	
32 93 33 00-0215	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush	67.16	
32 93 33 00-0216	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush	80.50	
32 93 33 00-0217	EA	3-1/2 To 4' Euonymus alatus - Winged Burning Bush	101.30	
32 93 33 00-0218	EA	4' To 5' Euonymus alatus - Winged Burning Bush	143.03	
32 93 33 00-0219	EA	5' To 6' Euonymus alatus - Winged Burning Bush	178.85	
32 93 33 00-0220	EA	6' To 8' Euonymus alatus - Winged Burning Bush	208.64	
32 93 33 00-0221	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush	41.73	
32 93 33 00-0222	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush	47.63	
32 93 33 00-0223	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush	58.17	
32 93 33 00-0224	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush	82.05	
32 93 33 00-0225	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush	96.94	
32 93 33 00-0226	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush	116.19	
32 93 33 00-0227	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush	163.96	
32 93 33 00-0228	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush	193.74	
32 93 33 00-0229	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo	35.31	
32 93 33 00-0230	EA	1 Gallon Euonymus fortunei - Wintercreeper	13.49	
32 93 33 00-0231	EA	2 Gallon Euonymus fortunei - Wintercreeper	26.55	
32 93 33 00-0232	EA	3 Gallon Euonymus fortunei - Wintercreeper	32.46	
32 93 33 00-0233	EA	5 Gallon Euonymus fortunei - Wintercreeper	38.50	
32 93 33 00-0234	EA	1 Gallon Euonymus japonicus - Evergreen Spindle	9.61	
32 93 33 00-0235	EA	5 Gallon Euonymus japonicus - Evergreen Spindle	23.78	
32 93 33 00-0236	EA	15 Gallon Euonymus japonicus - Evergreen Spindle	94.38	
32 93 33 00-0237	EA	2' To 3' Forsythia - Korean Forsythia	29.79	
32 93 33 00-0238	EA	3' To 4' Forsythia - Korean Forsythia	37.65	
32 93 33 00-0239	EA	4' To 5' Forsythia - Korean Forsythia	46.92	
32 93 33 00-0240	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	30.08	
32 93 33 00-0241	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	33.35	
32 93 33 00-0242	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars	35.97	
32 93 33 00-0243	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	31.39	
32 93 33 00-0244	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia	41.85	
32 93 33 00-0245	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	31.39	
32 93 33 00-0246	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	36.62	
32 93 33 00-0247	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	43.16	
32 93 33 00-0248	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	49.70	
32 93 33 00-0249	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia	57.54	
32 93 33 00-0250	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	44.47	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0251	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	62.12	
32 93 33 00-0252	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla	65.39	
32 93 33 00-0253	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	68.01	
32 93 33 00-0254	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	73.24	
32 93 33 00-0255	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla	88.93	
32 93 33 00-0256	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla	115.09	
32 93 33 00-0257	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla	130.78	
32 93 33 00-0258	EA	1 Gallon Gardenia jasminoides - Cape Jasmine	9.69	
32 93 33 00-0259	EA	3 Gallon Gardenia jasminoides - Cape Jasmine	25.43	
32 93 33 00-0260	EA	5 Gallon Gardenia jasminoides - Cape Jasmine	32.46	
32 93 33 00-0261	EA	1 Gallon Grevillea 'Noellii' - Noel's Grevillea	9.61	
32 93 33 00-0262	EA	5 Gallon Grevillea 'Noellii' - Noel's Grevillea	23.78	
32 93 33 00-0263	EA	15 Gallon Grevillea 'Noellii' - Noel's Grevillea	94.38	
32 93 33 00-0264	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	91.55	
32 93 33 00-0265	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	149.09	
32 93 33 00-0266	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	188.33	
32 93 33 00-0267	EA	72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	287.72	
32 93 33 00-0268	EA	84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	326.96	
32 93 33 00-0269	EA	1 Gallon Hedychuium gartdnerum - Variegated Ginger	5.56	
32 93 33 00-0270	EA	3 Gallon Hedychuium gartdnerum - Variegated Ginger	19.55	
32 93 33 00-0271	EA	5 Gallon Hedychuium gartdnerum - Variegated Ginger	37.60	
32 93 33 00-0272	EA	1 Gallon Hibiscus rosa-sinensis - Hibiscus	14.26	
32 93 33 00-0273	EA	3 Gallon Hibiscus rosa-sinensis - Hibiscus	24.06	
32 93 33 00-0274	EA	5 Gallon Hibiscus rosa-sinensis - Hibiscus	36.40	
32 93 33 00-0275	EA	5 Gallon Hibiscus syriacus - Rose Of Sharon	37.65	
32 93 33 00-0276	EA	2' To 3' Hibiscus syriacus - Rose Of Sharon	32.03	
32 93 33 00-0277	EA	3' To 4' Hibiscus syriacus - Rose Of Sharon	43.27	
32 93 33 00-0278	EA	4' To 5' Hibiscus syriacus - Rose Of Sharon	62.52	
32 93 33 00-0279	EA	5' To 6' Hibiscus syriacus - Rose Of Sharon	86.41	
32 93 33 00-0280	EA	2 Gallon Hydrangea - Blue Hydrangea	26.55	
32 93 33 00-0281	EA	5 Gallon Hydrangea - Blue Hydrangea	37.37	
32 93 33 00-0282	EA	2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	41.73	
32 93 33 00-0283	EA	3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	47.63	
32 93 33 00-0284	EA	2 Gallon Hydrangea quercifloia - Oakleaf Hydrangea	26.55	
32 93 33 00-0285	EA	5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	45.77	
32 93 33 00-0286	EA	30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	49.70	
32 93 33 00-0287	EA	36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	57.54	
32 93 33 00-0288	EA	4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	60.16	
32 93 33 00-0289	EA	18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	47.08	
32 93 33 00-0290	EA	24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	62.78	
32 93 33 00-0291	EA	3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	27.46	
32 93 33 00-0292	EA	5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	32.70	
32 93 33 00-0293	EA	18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.12	
32 93 33 00-0294	EA	24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	30.08	
32 93 33 00-0295	EA	30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	34.00	
32 93 33 00-0296	EA	36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	39.23	
32 93 33 00-0297	EA	48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	52.31	
32 93 33 00-0298	EA	18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	37.93	
32 93 33 00-0299	EA	24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	43.16	
32 93 33 00-0300	EA	30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	51.01	
32 93 33 00-0301	EA	2 Gallon Hypericum kalmianum - St. John's Wort	26.55	
32 93 33 00-0302	EA	3 Gallon Hypericum kalmianun - Kalm St. John's Wort	31.39	
32 93 33 00-0303	EA	24" Balled and Burlapped, Hypericum kalmianun - Kalm St. John's Wort	34.00	
32 93 33 00-0304	EA	1 Gallon Ilex "Carissa" - Holly	13.49	
32 93 33 00-0305	EA	2 Gallon Ilex "Carissa" - Holly	26.55	
32 93 33 00-0306	EA	5 Gallon Ilex "Carissa" - Holly	37.37	
32 93 33 00-0307	EA	18" To 24" Ilex - Gulftide Sweet Holly	35.83	
32 93 33 00-0308	EA	2' To 2-1/2' Ilex - Gulftide Sweet Holly	45.38	
32 93 33 00-0309	EA	2-1/2' To 3' Ilex - Gulftide Sweet Holly	58.87	
32 93 33 00-0310	EA	3' To 3-1/2' Ilex - Gulftide Sweet Holly	71.51	
32 93 33 00-0311	EA	3 Gallon Ilex cornuta - Dwarf Horned Holly	26.76	
32 93 33 00-0312	EA	1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	13.49	
32 93 33 00-0313	EA	2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	26.55	
32 93 33 00-0314	EA	5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	38.50	
32 93 33 00-0315	EA	1 Gallon Ilex crenata - Hellers Japanese Holly	13.49	
32 93 33 00-0316	EA	2 Gallon Ilex crenata - Hellers Japanese Holly	29.51	
32 93 33 00-0317	EA	3 Gallon Ilex crenata - Hellers Japanese Holly	38.50	
32 93 33 00-0318	EA	2 Gallon Ilex crenata - Hetzi Japanese Holly	29.50	
32 93 33 00-0319	EA	3 Gallon Ilex crenata - Hetzi Japanese Holly	35.55	
32 93 33 00-0320	EA	2' To 3' Ilex crenata - Hetzi Japanese Holly	71.51	
32 93 33 00-0321	EA	3' To 4' Ilex crenata - Hetzi Japanese Holly	95.40	
32 93 33 00-0322	EA	2' To 3' Ilex opaca - American Holly	95.40	
32 93 33 00-0323	EA	3' To 4' Ilex opaca - American Holly	157.92	
32 93 33 00-0324	EA	4' To 5' Ilex opaca - American Holly	202.60	
32 93 33 00-0325	EA	5' To 6' Ilex opaca - American Holly	244.32	
32 93 33 00-0326	EA	6' To 7' Ilex opaca - American Holly	342.67	
32 93 33 00-0327	EA	7' To 8' Ilex opaca - American Holly	476.85	
32 93 33 00-0328	EA	8' To 10' Ilex opaca - American Holly	685.34	
32 93 33 00-0329	EA	10' To 12' Ilex opaca - American Holly	1,043.05	
32 93 33 00-0330	EA	12' To 14' Ilex opaca - American Holly	1,266.44	
32 93 33 00-0331	EA	14' To 16' Ilex opaca - American Holly	1,564.43	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0332	EA	2' To 3' Ilex verticillata - Winterberry (Female)	95.40	
32 93 33 00-0333	EA	3' To 4' Ilex verticillata - Winterberry (Female)	125.18	
32 93 33 00-0334	EA	2' To 3' Ilex verticillata - Winterberry (Male)	77.41	
32 93 33 00-0335	EA	3' To 4' Ilex verticillata - Winterberry (Male)	107.34	
32 93 33 00-0336	EA	4' To 5' Ilex verticillata - Winterberry (Male)	125.18	
32 93 33 00-0337	EA	1 Gallon Ilex vomitoria - Yaupon Holly	12.65	
32 93 33 00-0338	EA	3 Gallon Ilex vomitoria - Yaupon Holly	25.43	
32 93 33 00-0339	EA	10 Gallon Ilex vomitoria - Yaupon Holly	89.36	
32 93 33 00-0340	EA	18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	40.54	
32 93 33 00-0341	EA	24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	45.77	
32 93 33 00-0342	EA	3 Gallon Ilex meserveae & cvs - Blue Holly	52.31	
32 93 33 00-0343	EA	18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	48.39	
32 93 33 00-0344	EA	24" Balled and Burlapped, Ilex meservae & cvs - Blue Holly	58.85	
32 93 33 00-0345	EA	5 Gallon Ilex verticillata & cvs - Common Winterberry	43.16	
32 93 33 00-0346	EA	24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.16	
32 93 33 00-0347	EA	30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	45.77	
32 93 33 00-0348	EA	36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	54.93	
32 93 33 00-0349	EA	42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	61.47	
32 93 33 00-0350	EA	48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	65.39	
32 93 33 00-0351	EA	60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	83.70	
32 93 33 00-0352	EA	4' To 5' Ilex x attenuata "Foster" - Holly	154.97	
32 93 33 00-0353	EA	5' To 6' Ilex x attenuata "Foster" - Holly	205.55	
32 93 33 00-0354	EA	6' To 7' Ilex x attenuata "Foster" - Holly	183.91	
32 93 33 00-0355	EA	7' To 8' Ilex x attenuata "Foster" - Holly	357.56	
32 93 33 00-0356	EA	1 Gallon Jasimnum - Jasmine	3.46	
32 93 33 00-0357	EA	3 Gallon Jasimnum - Jasmine	13.54	
32 93 33 00-0358	EA	3 Gallon Jasimnum - Orange Jasmine	10.53	
32 93 33 00-0359	EA	4' - 5' Jasimnum - Orange Jasmine	120.32	
32 93 33 00-0360	EA	6' - 7' Jasimnum - Orange Jasmine	240.64	
32 93 33 00-0361	EA	8' - 10' Jasimnum - Orange Jasmine	324.86	
32 93 33 00-0362	EA	3 Gallon Juniperus chinesis cvs - Chinese Juniper	45.77	
32 93 33 00-0363	EA	5 Gallon Juniperus chinesis cvs - Chinese Juniper	51.01	
32 93 33 00-0364	EA	18" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	68.01	
32 93 33 00-0365	EA	24" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	88.93	
32 93 33 00-0366	EA	30" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	104.63	
32 93 33 00-0367	EA	36" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	141.25	
32 93 33 00-0368	EA	48" Balled and Burlapped, Juniperus chinesis cvs - Chinese Juniper	193.56	
32 93 33 00-0369	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	21.81	
32 93 33 00-0370	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	45.77	
32 93 33 00-0371	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	51.01	
32 93 33 00-0372	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	54.93	
32 93 33 00-0373	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	60.16	
32 93 33 00-0374	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	73.24	
32 93 33 00-0375	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	88.93	
32 93 33 00-0376	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	35.31	
32 93 33 00-0377	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	41.85	
32 93 33 00-0378	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	57.54	
32 93 33 00-0379	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	73.24	
32 93 33 00-0380	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	88.93	
32 93 33 00-0381	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	32.70	
32 93 33 00-0382	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	39.23	
32 93 33 00-0383	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	34.00	
32 93 33 00-0384	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	65.39	
32 93 33 00-0385	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	102.01	
32 93 33 00-0386	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	128.17	
32 93 33 00-0387	EA	15" To 18" Kalmia latifolia - Mountain Laurel	53.67	
32 93 33 00-0388	EA	18" To 24" Kalmia latifolia - Mountain Laurel	71.51	
32 93 33 00-0389	EA	2' To 3' Kalmia latifolia - Mountain Laurel	104.25	
32 93 33 00-0390	EA	4' To 5' Kalmia latifolia - Mountain Laurel	190.65	
32 93 33 00-0391	EA	5' To 6' Kalmia latifolia - Mountain Laurel	292.09	
32 93 33 00-0392	EA	6' To 8' Kalmia latifolia - Mountain Laurel	447.06	
32 93 33 00-0393	EA	1 Gallon Kerria japonica - Kerria	11.94	
32 93 33 00-0394	EA	5 Gallon Kerria japonica - Kerria	37.37	
32 93 33 00-0395	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	37.93	
32 93 33 00-0396	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	43.16	
32 93 33 00-0397	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	47.08	
32 93 33 00-0398	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	54.93	
32 93 33 00-0399	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	62.78	
32 93 33 00-0400	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	78.47	
32 93 33 00-0401	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.99	
32 93 33 00-0402	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	32.03	
32 93 33 00-0403	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	44.68	
32 93 33 00-0404	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	65.61	
32 93 33 00-0405	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	104.25	
32 93 33 00-0406	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	135.36	
32 93 33 00-0407	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	180.48	
32 93 33 00-0408	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	376.00	
32 93 33 00-0409	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	13.49	
32 93 33 00-0410	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	29.51	
32 93 33 00-0411	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	35.55	
32 93 33 00-0412	EA	1 Gallon Ligustrum lucidum - Glossy Privet	8.29	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0413	EA	5 Gallon Ligustrum lucidum - Glossy Privet	25.43	
32 93 33 00-0414	EA	15 Gallon Ligustrum lucidum - Glossy Privet	119.14	
32 93 33 00-0415	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	8.29	
32 93 33 00-0416	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.84	
32 93 33 00-0417	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	23.18	
32 93 33 00-0418	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	39.23	
32 93 33 00-0419	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	57.54	
32 93 33 00-0420	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	73.24	
32 93 33 00-0421	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	83.70	
32 93 33 00-0422	EA	5 Gallon Lindera benzoin - Spicebush	43.16	
32 93 33 00-0423	EA	36" Balled and Burlapped, Lindera benzoin - Spicebush	36.62	
32 93 33 00-0424	EA	48" Balled and Burlapped, Lindera benzoin - Spicebush	44.47	
32 93 33 00-0425	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	71.51	
32 93 33 00-0426	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	86.40	
32 93 33 00-0427	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	39.23	
32 93 33 00-0428	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	47.08	
32 93 33 00-0429	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	52.31	
32 93 33 00-0430	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	57.54	
32 93 33 00-0431	EA	1 Gallon Myrica cerifera - Wax Myrtle	7.52	
32 93 33 00-0432	EA	4 Gallon Myrica cerifera - Wax Myrtle	24.06	
32 93 33 00-0433	EA	7 Gallon Myrica cerifera - Wax Myrtle	52.64	
32 93 33 00-0434	EA	10 Gallon Myrica cerifera - Wax Myrtle	78.21	
32 93 33 00-0435	EA	15 Gallon Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0436	EA	45 Gallon Myrica cerifera - Wax Myrtle	360.96	
32 93 33 00-0437	EA	1' - 2' Myrica cerifera - Wax Myrtle	10.53	
32 93 33 00-0438	EA	3' - 4' Myrica cerifera - Wax Myrtle	36.10	
32 93 33 00-0439	EA	5' - 6' Myrica cerifera - Wax Myrtle	66.18	
32 93 33 00-0440	EA	7' - 8' Myrica cerifera - Wax Myrtle	90.24	
32 93 33 00-0441	EA	9' - 10' Myrica cerifera - Wax Myrtle	120.32	
32 93 33 00-0442	EA	11' - 12' Myrica cerifera - Wax Myrtle	183.49	
32 93 33 00-0443	EA	3 Gallon Myrica pensylvanica - Northern Bayberry	39.23	
32 93 33 00-0444	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	64.08	
32 93 33 00-0445	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	94.16	
32 93 33 00-0446	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	112.47	
32 93 33 00-0447	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry	117.70	
32 93 33 00-0448	EA	1 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	9.61	
32 93 33 00-0449	EA	5 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	23.78	
32 93 33 00-0450	EA	15 Gallon Myoporum laetum 'Carsonii' Multi - Coast Myoporum	94.38	
32 93 33 00-0451	EA	1 Gallon Nandina domestica - Heavenly Bamboo	13.49	
32 93 33 00-0452	EA	2 Gallon Nandina domestica - Heavenly Bamboo	29.51	
32 93 33 00-0453	EA	5 Gallon Nandina domestica - Heavenly Bamboo	44.68	
32 93 33 00-0454	EA	15 Gallon Nerium oleander - Oleander	103.27	
32 93 33 00-0455	EA	24" Box Nerium oleander - Oleander	371.12	
32 93 33 00-0456	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive	8.29	
32 93 33 00-0457	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive	22.48	
32 93 33 00-0458	EA	1 Gallon Philadelphus - Evergreen Mockorange	11.52	
32 93 33 00-0459	EA	5 Gallon Philadelphus - Evergreen Mockorange	37.37	
32 93 33 00-0460	EA	36" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	39.23	
32 93 33 00-0461	EA	42" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	45.77	
32 93 33 00-0462	EA	48" Balled and Burlapped, Philadelphus x virginalis & cvs - Mockorange	52.31	
32 93 33 00-0463	EA	1 Gallon Photinia fraseri - Red-Tipped Photinia	9.61	
32 93 33 00-0464	EA	5 Gallon Photinia fraseri - Red-Tipped Photinia	23.78	
32 93 33 00-0465	EA	15 Gallon Photinia fraseri - Red-Tipped Photinia	94.38	
32 93 33 00-0466	EA	1 Gallon Phormium tenax - New Zealand Flax	10.13	
32 93 33 00-0467	EA	5 Gallon Phormium tenax - New Zealand Flax	24.29	
32 93 33 00-0468	EA	15 Gallon Phormium tenax - New Zealand Flax	103.27	
32 93 33 00-0469	EA	24" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	39.23	
32 93 33 00-0470	EA	30" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	45.77	
32 93 33 00-0471	EA	36" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	52.31	
32 93 33 00-0472	EA	42" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	65.39	
32 93 33 00-0473	EA	48" Balled and Burlapped, Physocarpos opulifolius 'Nana' - Dwarf Common Ninebark	78.47	
32 93 33 00-0474	EA	12" To 15" Spread Pieris - Mountain Andromeda	36.11	
32 93 33 00-0475	EA	15" To 18" Spread Pieris - Mountain Andromeda	77.41	
32 93 33 00-0476	EA	12" To 15" Pieris japonica - Japanese Andromeda	46.93	
32 93 33 00-0477	EA	15" To 18" Pieris japonica - Japanese Andromeda	53.67	
32 93 33 00-0478	EA	18" To 24" Pieris japonica - Japanese Andromeda	67.16	
32 93 33 00-0479	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda	95.40	
32 93 33 00-0480	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda	113.24	
32 93 33 00-0481	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	40.74	
32 93 33 00-0482	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	52.15	
32 93 33 00-0483	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	62.74	
32 93 33 00-0484	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	80.67	
32 93 33 00-0485	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	96.96	
32 93 33 00-0486	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine	141.78	
32 93 33 00-0487	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	88.00	
32 93 33 00-0488	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	105.93	
32 93 33 00-0489	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine	140.96	
32 93 33 00-0490	EA	1 Gallon Pittosporum - Pittosporum	4.96	
32 93 33 00-0491	EA	3 Gallon Pittosporum - Pittosporum	12.78	
32 93 33 00-0492	EA	1 Gallon Pittosporum - Varigated Pittosporum	4.96	
32 93 33 00-0493	EA	3 Gallon Pittosporum - Varigated Pittosporum	12.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0494	EA	5 Gallon Pittosporum - Varigated Pittosporum	22.41	
32 93 33 00-0495	EA	1 Gallon Pittosporum eugenioides - Lemonwood	11.04	
32 93 33 00-0496	EA	5 Gallon Pittosporum eugenioides - Lemonwood	26.15	
32 93 33 00-0497	EA	1 Gallon Pittosporum tobira - Japanese Pittosporum	9.61	
32 93 33 00-0498	EA	5 Gallon Pittosporum tobira - Japanese Pittosporum	23.78	
32 93 33 00-0499	EA	15 Gallon Pittosporum tobira - Japanese Pittosporum	94.38	
32 93 33 00-0500	EA	1 Gallon Podocarpus macrophyllus - Yew Podocarpus	6.02	
32 93 33 00-0501	EA	3 Gallon Podocarpus macrophyllus - Yew Podocarpus	18.05	
32 93 33 00-0502	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	22.23	
32 93 33 00-0503	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil	31.39	
32 93 33 00-0504	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	23.54	
32 93 33 00-0505	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	26.16	
32 93 33 00-0506	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	37.93	
32 93 33 00-0507	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil	43.81	
32 93 33 00-0508	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel	5.60	
32 93 33 00-0509	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel	14.01	
32 93 33 00-0510	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel	83.51	
32 93 33 00-0511	EA	15" To 18" Prunus laurocerasus - Cherry Laurel	21.36	
32 93 33 00-0512	EA	18" To 24" Prunus laurocerasus - Cherry Laurel	26.44	
32 93 33 00-0513	EA	24" To 30" Prunus laurocerasus - Cherry Laurel	34.40	
32 93 33 00-0514	EA	15" To 18" Prunus triloba - Double White Flowering Almond	19.08	
32 93 33 00-0515	EA	18" To 24" Prunus triloba - Double White Flowering Almond	24.42	
32 93 33 00-0516	EA	3' To 4' Prunus triloba - Double White Flowering Almond	38.95	
32 93 33 00-0517	EA	4' To 6' Prunus triloba - Double White Flowering Almond	77.99	
32 93 33 00-0518	EA	5 Gallon Prunus triloba - Pink Flowering Almond	23.46	
32 93 33 00-0519	EA	18" To 24" Prunus triloba - Pink Flowering Almond	26.35	
32 93 33 00-0520	EA	2' To 3' Prunus triloba - Pink Flowering Almond	30.64	
32 93 33 00-0521	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry	20.83	
32 93 33 00-0522	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry	25.56	
32 93 33 00-0523	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry	30.64	
32 93 33 00-0524	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry	35.10	
32 93 33 00-0525	EA	1 Gallon Punica granatum - Dwarf Pomegranate	8.85	
32 93 33 00-0526	EA	3 Gallon Punica granatum - Dwarf Pomegranate	26.13	
32 93 33 00-0527	EA	7 Gallon Punica granatum - Dwarf Pomegranate	53.67	
32 93 33 00-0528	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	11.24	
32 93 33 00-0529	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha	37.37	
32 93 33 00-0530	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha	77.41	
32 93 33 00-0531	EA	1 Gallon Ralphiolepis indica - Indian Hawthorne	8.99	
32 93 33 00-0532	EA	2 Gallon Ralphiolepis indica - Indian Hawthorne	17.14	
32 93 33 00-0533	EA	5 Gallon Ralphiolepis indica - Indian Hawthorne	30.49	
32 93 33 00-0534	EA	1 Gallon Rhamnus californica - Coffeeberry	13.67	
32 93 33 00-0535	EA	5 Gallon Rhamnus californica - Coffeeberry	39.08	
32 93 33 00-0536	EA	15 Gallon Rhamnus californica - Coffeeberry	117.29	
32 93 33 00-0537	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge	68.56	
32 93 33 00-0538	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge	93.99	
32 93 33 00-0539	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge	122.23	
32 93 33 00-0540	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge	223.53	
32 93 33 00-0541	EA	1 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	10.23	
32 93 33 00-0542	EA	5 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	24.29	
32 93 33 00-0543	EA	15 Gallon Rhaphiolepis indica 'Ballerina' - Ballerina Indian Hawthorn	103.27	
32 93 33 00-0544	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids	14.61	
32 93 33 00-0545	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids	29.50	
32 93 33 00-0546	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	38.50	
32 93 33 00-0547	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	44.68	
32 93 33 00-0548	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	52.26	
32 93 33 00-0549	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	65.61	
32 93 33 00-0550	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	95.40	
32 93 33 00-0551	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	134.03	
32 93 33 00-0552	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	16.44	
32 93 33 00-0553	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	29.50	
32 93 33 00-0554	EA	15' To 18' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	50.72	
32 93 33 00-0555	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	65.61	
32 93 33 00-0556	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	95.40	
32 93 33 00-0557	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	140.08	
32 93 33 00-0558	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	187.70	
32 93 33 00-0559	EA	5 Gallon Rhododendron - Boxleaf Azara	37.37	
32 93 33 00-0560	EA	15 Gallon Rhododendron - Boxleaf Azara	134.03	
32 93 33 00-0561	EA	15" To 18" Rhododendron - Carolina Rhododendron	42.29	
32 93 33 00-0562	EA	18" To 24" Rhododendron - Carolina Rhododendron	74.46	
32 93 33 00-0563	EA	24" To 30" Rhododendron - Carolina Rhododendron	110.29	
32 93 33 00-0564	EA	2' To 3' Rhododendron - Five-leafed Azalea	50.16	
32 93 33 00-0565	EA	3' To 4' Rhododendron - Five-leafed Azalea	65.61	
32 93 33 00-0566	EA	4' To 5' Rhododendron - Five-leafed Azalea	86.41	
32 93 33 00-0567	EA	15" To 18" Rhododendron - Ghent Azalea	50.16	
32 93 33 00-0568	EA	18" To 24" Rhododendron - Ghent Azalea	62.52	
32 93 33 00-0569	EA	2' To 3' Rhododendron - Ghent Azalea	101.30	
32 93 33 00-0570	EA	3' To 4' Rhododendron - Ghent Azalea	140.08	
32 93 33 00-0571	EA	4' To 5' Rhododendron - Ghent Azalea	187.70	
32 93 33 00-0572	EA	5' To 6' Rhododendron - Ghent Azalea	250.37	
32 93 33 00-0573	EA	1 Gallon Rhododendron - Hybrid Rhododendron	16.44	
32 93 33 00-0574	EA	2 Gallon Rhododendron - Hybrid Rhododendron	35.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0575	EA	3 Gallon Rhododendron - Hybrid Rhododendron	50.44	
32 93 33 00-0576	EA	5 Gallon Rhododendron - Hybrid Rhododendron	56.34	
32 93 33 00-0577	EA	15" To 18" Rhododendron - Hybrid Rhododendron	47.63	
32 93 33 00-0578	EA	18" To 24" Rhododendron - Hybrid Rhododendron	65.61	
32 93 33 00-0579	EA	24" To 30" Rhododendron - Hybrid Rhododendron	89.36	
32 93 33 00-0580	EA	30" To 36" Rhododendron - Hybrid Rhododendron	104.25	
32 93 33 00-0581	EA	36" To 42" Rhododendron - Hybrid Rhododendron	149.07	
32 93 33 00-0582	EA	42" To 48" Rhododendron - Hybrid Rhododendron	184.75	
32 93 33 00-0583	EA	15" To 18" Rhododendron - Pjm Rhododendron	53.67	
32 93 33 00-0584	EA	18" To 24" Rhododendron - Pjm Rhododendron	65.61	
32 93 33 00-0585	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	95.40	
32 93 33 00-0586	EA	2-1/2 To 3' Rhododendron - Pjm Rhododendron	122.23	
32 93 33 00-0587	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	149.07	
32 93 33 00-0588	EA	12" To 15" Rhododendron - Torch Azalea	41.73	
32 93 33 00-0589	EA	15" To 18" Rhododendron - Torch Azalea	50.16	
32 93 33 00-0590	EA	18" To 24" Rhododendron - Torch Azalea	62.52	
32 93 33 00-0591	EA	2' To 3' Rhododendron - Torch Azalea	104.25	
32 93 33 00-0592	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	47.08	
32 93 33 00-0593	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	57.54	
32 93 33 00-0594	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	70.62	
32 93 33 00-0595	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	88.93	
32 93 33 00-0596	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	104.63	
32 93 33 00-0597	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	125.55	
32 93 33 00-0598	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	13.49	
32 93 33 00-0599	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	37.37	
32 93 33 00-0600	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	31.39	
32 93 33 00-0601	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	43.16	
32 93 33 00-0602	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	49.70	
32 93 33 00-0603	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	65.39	
32 93 33 00-0604	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	39.23	
32 93 33 00-0605	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	65.39	
32 93 33 00-0606	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	104.63	
32 93 33 00-0607	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	35.31	
32 93 33 00-0608	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	40.54	
32 93 33 00-0609	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	58.85	
32 93 33 00-0610	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	78.47	
32 93 33 00-0611	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	21.58	
32 93 33 00-0612	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	26.16	
32 93 33 00-0613	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	32.70	
32 93 33 00-0614	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	23.54	
32 93 33 00-0615	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	30.08	
32 93 33 00-0616	EA	5 Gallon Sambucus canadensis - American Elder	43.16	
32 93 33 00-0617	EA	1 Gallon Santolina chamaecyparissus - Lavender Cotton	9.61	
32 93 33 00-0618	EA	5 Gallon Santolina chamaecyparissus - Lavender Cotton	23.78	
32 93 33 00-0619	EA	1 Gallon Santolina rosmarinifolia - Green Lavender Cotton	9.61	
32 93 33 00-0620	EA	5 Gallon Santolina rosmarinifolia - Green Lavender Cotton	23.78	
32 93 33 00-0621	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	19.39	
32 93 33 00-0622	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	28.38	
32 93 33 00-0623	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.54	
32 93 33 00-0624	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	27.54	
32 93 33 00-0625	EA	5 Gallon Senna artemisioides - Feathery Cassia	25.73	
32 93 33 00-0626	EA	15 Gallon Senna artemisioides - Feathery Cassia	102.38	
32 93 33 00-0627	EA	24" Box Senna artemisioides - Feathery Cassia	321.60	
32 93 33 00-0628	EA	1 Gallon Skimmia japonica - Japanese Skimmia	13.49	
32 93 33 00-0629	EA	2 Gallon Skimmia japonica - Japanese Skimmia	26.83	
32 93 33 00-0630	EA	5 Gallon Skimmia japonica - Japanese Skimmia	43.27	
32 93 33 00-0631	EA	1 Gallon Sollya fusiformis - Bluebell Creeper	9.61	
32 93 33 00-0632	EA	5 Gallon Sollya fusiformis - Bluebell Creeper	23.78	
32 93 33 00-0633	EA	3' To 4' Spiraea - Garland Spirea	62.52	
32 93 33 00-0634	EA	4' To 5' Spiraea - Garland Spirea	95.40	
32 93 33 00-0635	EA	5 Gallon Spiraea - Snowmound Spirea	37.37	
32 93 33 00-0636	EA	18" To 24" Spiraea - Snowmound Spirea	30.63	
32 93 33 00-0637	EA	2' To 3' Spiraea - Snowmound Spirea	43.27	
32 93 33 00-0638	EA	3' To 4' Spiraea - Snowmound Spirea	50.16	
32 93 33 00-0639	EA	4' To 5' Spiraea - Snowmound Spirea	86.40	
32 93 33 00-0640	EA	1 Gallon Spiraea japonica & cvs - Japanese Spirea	13.49	
32 93 33 00-0641	EA	2 Gallon Spiraea japonica & cvs - Japanese Spirea	26.55	
32 93 33 00-0642	EA	3 Gallon Spiraea japonica & cvs - Japanese Spirea	30.73	
32 93 33 00-0643	EA	5 Gallon Spiraea japonica & cvs - Japanese Spirea	33.35	
32 93 33 00-0644	EA	18" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	34.00	
32 93 33 00-0645	EA	24" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	39.23	
32 93 33 00-0646	EA	30" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	44.47	
32 93 33 00-0647	EA	36" Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	51.66	
32 93 33 00-0648	EA	2 Gallon Spiraea nipponica & cvs - Nippon Spiraea	20.93	
32 93 33 00-0649	EA	5 Gallon Spiraea nipponica & cvs - Nippon Spiraea	31.39	
32 93 33 00-0650	EA	18" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	28.77	
32 93 33 00-0651	EA	24" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	34.00	
32 93 33 00-0652	EA	30" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	39.23	
32 93 33 00-0653	EA	36" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	44.47	
32 93 33 00-0654	EA	48" Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spiraea	57.54	
32 93 33 00-0655	EA	1 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	13.49	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0656	EA	2 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	24.19	
32 93 33 00-0657	EA	4 Gallon Spiraea x bumalda & cvs - Bumalda Spirea	31.39	
32 93 33 00-0658	EA	18" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	27.46	
32 93 33 00-0659	EA	24" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	33.35	
32 93 33 00-0660	EA	30" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	39.23	
32 93 33 00-0661	EA	36" Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	44.47	
32 93 33 00-0662	EA	5 Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39	
32 93 33 00-0663	EA	18" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	31.39	
32 93 33 00-0664	EA	24" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	36.62	
32 93 33 00-0665	EA	30" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	49.70	
32 93 33 00-0666	EA	36" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	57.54	
32 93 33 00-0667	EA	42" Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	68.01	
32 93 33 00-0668	EA	5 Gallon Staphylea trifolia - Bladdernut	44.15	
32 93 33 00-0669	EA	2 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	31.39	
32 93 33 00-0670	EA	5 Gallon Stephanandra incisa & cvs - Cutleaf Stephanadra	34.00	
32 93 33 00-0671	EA	24" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	39.23	
32 93 33 00-0672	EA	30" Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanadra	47.08	
32 93 33 00-0673	EA	2 Gallon Symphoricarpos albus - Common Snowberry	32.70	
32 93 33 00-0674	EA	5 Gallon Symphoricarpos albus - Common Snowberry	34.66	
32 93 33 00-0675	EA	24" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	57.54	
32 93 33 00-0676	EA	30" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	71.93	
32 93 33 00-0677	EA	36" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	83.70	
32 93 33 00-0678	EA	42" Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	96.78	
32 93 33 00-0679	EA	18" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	57.54	
32 93 33 00-0680	EA	24" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	62.78	
32 93 33 00-0681	EA	30" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	71.93	
32 93 33 00-0682	EA	36" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	83.70	
32 93 33 00-0683	EA	42" Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	96.78	
32 93 33 00-0684	EA	60" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	45.77	
32 93 33 00-0685	EA	72" Balled and Burlapped, Syringa villosa & cvs - Late Lilac	49.70	
32 93 33 00-0686	EA	36" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	39.23	
32 93 33 00-0687	EA	42' Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	44.47	
32 93 33 00-0688	EA	48" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	49.70	
32 93 33 00-0689	EA	60" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	57.54	
32 93 33 00-0690	EA	72" Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	70.62	
32 93 33 00-0691	EA	5 Gallon Syringa x chinensis & cvs - Chinese Lilac	32.70	
32 93 33 00-0692	EA	36" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	37.93	
32 93 33 00-0693	EA	48" Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	49.70	
32 93 33 00-0694	EA	48" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	207.94	
32 93 33 00-0695	EA	54" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	232.79	
32 93 33 00-0696	EA	60" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	256.33	
32 93 33 00-0697	EA	72" Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	308.65	
32 93 33 00-0698	EA	18" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	54.93	
32 93 33 00-0699	EA	24" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	71.93	
32 93 33 00-0700	EA	30" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	83.70	
32 93 33 00-0701	EA	36" Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	91.55	
32 93 33 00-0702	EA	15" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	54.93	
32 93 33 00-0703	EA	18" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	71.93	
32 93 33 00-0704	EA	24" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	85.01	
32 93 33 00-0705	EA	30" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	100.70	
32 93 33 00-0706	EA	36" Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	151.71	
32 93 33 00-0707	EA	36" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	83.70	
32 93 33 00-0708	EA	48" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	112.47	
32 93 33 00-0709	EA	60" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	170.02	
32 93 33 00-0710	EA	72" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	248.49	
32 93 33 00-0711	EA	84" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	285.11	
32 93 33 00-0712	EA	96" Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	330.88	
32 93 33 00-0713	EA	15" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	36.62	
32 93 33 00-0714	EA	18" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	51.01	
32 93 33 00-0715	EA	24" Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	71.93	
32 93 33 00-0716	EA	3' To 4' Viburnum dilatatum - Linden Viburnum	62.52	
32 93 33 00-0717	EA	4' To 5' Viburnum dilatatum - Linden Viburnum	95.40	
32 93 33 00-0718	EA	5' To 6' Viburnum dilatatum - Linden Viburnum	125.18	
32 93 33 00-0719	EA	1 Gallon Viburnum japonicum - Japanese Viburnum	7.59	
32 93 33 00-0720	EA	3 Gallon Viburnum japonicum - Japanese Viburnum	20.79	
32 93 33 00-0721	EA	5 Gallon Viburnum plicatum - Japanese Snowball	37.37	
32 93 33 00-0722	EA	5' To 6' Viburnum plicatum - Japanese Snowball	140.08	
32 93 33 00-0723	EA	2' To 3' Viburnum rhytidophyllum - Leatherleaf Viburnum	65.61	
32 93 33 00-0724	EA	3' To 4' Viburnum rhytidophyllum - Leatherleaf Viburnum	77.41	
32 93 33 00-0725	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum	108.89	
32 93 33 00-0726	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	71.93	
32 93 33 00-0727	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum	86.32	
32 93 33 00-0728	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	65.39	
32 93 33 00-0729	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	78.47	
32 93 33 00-0730	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	91.55	
32 93 33 00-0731	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum	104.63	
32 93 33 00-0732	EA	1 Gallon Viburnum davidii - David Viburnum	9.61	
32 93 33 00-0733	EA	5 Gallon Viburnum davidii - David Viburnum	23.78	
32 93 33 00-0734	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	36.62	
32 93 33 00-0735	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	39.23	
32 93 33 00-0736	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	45.77	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0737	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	52.31	
32 93 33 00-0738	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum	57.54	
32 93 33 00-0739	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	35.31	
32 93 33 00-0740	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	39.23	
32 93 33 00-0741	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	49.70	
32 93 33 00-0742	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	57.54	
32 93 33 00-0743	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	78.47	
32 93 33 00-0744	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum	94.16	
32 93 33 00-0745	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	39.23	
32 93 33 00-0746	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	52.31	
32 93 33 00-0747	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	65.39	
32 93 33 00-0748	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	91.55	
32 93 33 00-0749	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	130.78	
32 93 33 00-0750	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	183.10	
32 93 33 00-0751	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum	235.41	
32 93 33 00-0752	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	47.08	
32 93 33 00-0753	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum	52.31	
32 93 33 00-0754	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	94.16	
32 93 33 00-0755	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	143.86	
32 93 33 00-0756	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	183.10	
32 93 33 00-0757	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	222.33	
32 93 33 00-0758	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	274.64	
32 93 33 00-0759	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	326.96	
32 93 33 00-0760	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	392.35	
32 93 33 00-0761	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum	457.74	
32 93 33 00-0762	EA	30" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	39.89	
32 93 33 00-0763	EA	36" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	43.81	
32 93 33 00-0764	EA	48" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	49.70	
32 93 33 00-0765	EA	60" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	57.54	
32 93 33 00-0766	EA	72" Balled and Burlapped, Viburnum sargenti & cvs - Sargent Viburnum	66.05	
32 93 33 00-0767	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	37.93	
32 93 33 00-0768	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	45.77	
32 93 33 00-0769	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	54.93	
32 93 33 00-0770	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	62.78	
32 93 33 00-0771	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	75.85	
32 93 33 00-0772	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum	83.70	
32 93 33 00-0773	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	65.39	
32 93 33 00-0774	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	78.47	
32 93 33 00-0775	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	91.55	
32 93 33 00-0776	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	104.63	
32 93 33 00-0777	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum	117.70	
32 93 33 00-0778	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	83.70	
32 93 33 00-0779	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	94.16	
32 93 33 00-0780	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	107.24	
32 93 33 00-0781	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum	122.94	
32 93 33 00-0782	EA	2' To 3' Viburum opulus "Roseum" - Fragrant Snowball	77.41	
32 93 33 00-0783	EA	3' To 4' Viburum opulus "Roseum" - Fragrant Snowball	95.40	
32 93 33 00-0784	EA	4' To 5' Viburum opulus "Roseum" - Fragrant Snowball	140.08	
32 93 33 00-0785	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela	43.16	
32 93 33 00-0786	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	39.23	
32 93 33 00-0787	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	44.47	
32 93 33 00-0788	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	49.70	
32 93 33 00-0789	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	57.54	
32 93 33 00-0790	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela	65.39	
32 93 33 00-0791	EA	1 Gallon Xylosma congestum - Shiny Xylosma	8.99	
32 93 33 00-0792	EA	5 Gallon Xylosma congestum - Shiny Xylosma	25.43	
32 93 33 00-0793	EA	15 Gallon Xylosma congestum - Shiny Xylosma	111.83	
32 93 33 00-0794	EA	1 Gallon Yucca aloifolia - Spanish Bayonet	7.59	
32 93 33 00-0795	EA	3 Gallon Yucca aloifolia - Spanish Bayonet	20.09	
32 93 33 00-0796	EA	1 Gallon Yucca filamentosa - Adams Needle	10.54	
32 93 33 00-0797	EA	3 Gallon Yucca filamentosa - Adams Needle	20.51	
32 93 33 00-0798	EA	5 Gallon Yucca filamentosa - Adams Needle	32.46	
32 93 33 00-0799	EA	5 Gallon Border Forsythia - Goldenbells	36.11	
32 93 33 00-0800	EA	2' To 3' Border Forsythia - Goldenbells	29.79	
32 93 33 00-0801	EA	3' To 4' Border Forsythia - Goldenbells	37.65	
32 93 33 00-0802	EA	4' To 5' Border Forsythia - Goldenbells	46.93	
32 93 33 00-0803	EA	5' To 6' Border Forsythia - Goldenbells	56.34	
32 93 33 00-0804	EA	6' To 8' Border Forsythia - Goldenbells	77.41	
32 93 33 00-0805	EA	3' Juniperus chinensis - Columnar Chinese Juniper	76.70	
32 93 33 00-0806	EA	4' Juniperus chinensis - Columnar Chinese Juniper	105.28	
32 93 33 00-0807	EA	5' Juniperus chinensis - Columnar Chinese Juniper	165.44	
32 93 33 00-0808	EA	6' Juniperus chinensis - Columnar Chinese Juniper	192.51	
32 93 33 00-0809	EA	7' Juniperus chinensis - Columnar Chinese Juniper	252.67	
32 93 33 00-0810	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip	15.04	
32 93 33 00-0811	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip	21.06	
32 93 33 00-0812	EA	5 Gallon Chrysobalanus icaco - Cocoplum Red Tip	50.99	
32 93 33 00-0813	EA	2 Gallon Chrysobalanus icaco - Cocoplum Green Tip	15.04	
32 93 33 00-0814	EA	3 Gallon Chrysobalanus icaco - Cocoplum Green Tip	21.06	
32 93 33 00-0815	EA	Beile Poitvine Roses	60.16	
32 93 33 00-0816	EA	3 Gallon Bird Of Paradise	27.07	
32 93 33 00-0817	EA	5 Gallon Bird Of Paradise	42.11	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0818	EA	7 Gallon Bird Of Paradise	57.15	
32 93 33 00-0819	EA	10 Gallon Bird Of Paradise	114.30	
32 93 33 00-0820	EA	18" Bonica Roses	69.18	
32 93 33 00-0821	EA	1 Gallon Burmese Grape	12.03	
32 93 33 00-0822	EA	5 Gallon Burmese Grape	33.09	
32 93 33 00-0823	EA	15 Gallon Burmese Grape	123.33	
32 93 33 00-0824	EA	6" To 9" Canby Paxistima	24.06	
32 93 33 00-0825	EA	9" To 12" Canby Paxistima	30.08	
32 93 33 00-0826	EA	12" To 15" Canby Paxistima	39.10	
32 93 33 00-0827	EA	5 Gallon Chastetree	42.11	
32 93 33 00-0828	EA	3' Chinese Lilac	60.16	
32 93 33 00-0829	EA	4' Chinese Lilac	75.20	
32 93 33 00-0830	EA	5' Chinese Lilac	102.27	
32 93 33 00-0831	EA	1 Gallon Christmas Berry	15.04	
32 93 33 00-0832	EA	2 Gallon Christmas Berry	33.09	
32 93 33 00-0833	EA	5 Gallon Christmas Berry	48.13	
32 93 33 00-0834	EA	15 Gallon Christmas Berry	222.59	
32 93 33 00-0835	EA	1 Gallon Concha Wild Lilac	12.03	
32 93 33 00-0836	EA	5 Gallon Concha Wild Lilac	30.08	
32 93 33 00-0837	EA	1 Gallon Flower Carpet Roses	30.08	
32 93 33 00-0838	EA	3 Gallon Flower Carpet Roses	57.15	
32 93 33 00-0839	EA	Goldfinger Potentillas	48.13	
32 93 33 00-0840	EA	Green Mound Alpine Currents	60.16	
32 93 33 00-0841	EA	24" Gro-Low Sumacs	60.16	
32 93 33 00-0842	EA	3 Gallon Heliconia	27.07	
32 93 33 00-0843	EA	1' Ibolium Private	3.01	
32 93 33 00-0844	EA	2' Ibolium Private	12.03	
32 93 33 00-0845	EA	3' Ibolium Private	21.06	
32 93 33 00-0846	EA	5 Gallon Japanese Privit	33.09	
32 93 33 00-0847	EA	24" Spirea - Little Princess	63.17	
32 93 33 00-0848	EA	2' Longstalk Holly	60.16	
32 93 33 00-0849	EA	2-1/2' Longstalk Holly	81.22	
32 93 33 00-0850	EA	3' Longstalk Holly	102.27	
32 93 33 00-0851	EA	3-1/2' Longstalk Holly	114.30	
32 93 33 00-0852	EA	3 Gallon Low Dense Pyracantha	30.08	
32 93 33 00-0853	EA	1 Gallon Pacific Wax Myrtle	9.02	
32 93 33 00-0854	EA	5 Gallon Pacific Wax Myrtle	30.08	
32 93 33 00-0855	EA	1 Gallon Red Escallonia	9.02	
32 93 33 00-0856	EA	5 Gallon Red Escallonia	30.08	
32 93 33 00-0857	EA	15 Gallon Red Escallonia	123.33	
32 93 33 00-0858	EA	24" Smooth Hydrangeas	72.19	
32 93 33 00-0859	EA	15" To 18" Somerset Burkwood Daphne	48.13	
32 93 33 00-0860	EA	18" To 24" Somerset Burkwood Daphne	63.17	
32 93 33 00-0861	EA	1 Gallon Spring Bouquet Laurustinis	9.02	
32 93 33 00-0862	EA	5 Gallon Spring Bouquet Laurustinis	33.09	
32 93 33 00-0863	EA	15" To 18" Summersweet	36.10	
32 93 33 00-0864	EA	18" To 24" Summersweet	42.11	
32 93 33 00-0865	EA	2' Sweet Shrubs	48.13	
32 93 33 00-0866	EA	3' Sweet Shrubs	63.17	
32 93 33 00-0867	EA	1 Gallon Variegated Silverberry	9.02	
32 93 33 00-0868	EA	3 Gallon Variegated Silverberry	21.06	
32 93 33 00-0869	EA	15 Gallon Variegated Silverberry	123.33	
32 93 33 00-0870	EA	1 Gallon Variegated Winter Daphne	15.04	
32 93 33 00-0871	EA	5 Gallon Variegated Winter Daphne	48.13	
32 93 33 00-0872	EA	15 Gallon Variegated Winter Daphne	222.59	
32 93 33 00-0873	EA	2' To 3' Virginia Sweetspire	105.28	
32 93 33 00-0874	EA	1 Gallon Warminster Broom	15.04	
32 93 33 00-0875	EA	2 Gallon Warminster Broom	30.08	
32 93 33 00-0876	EA	5 Gallon Warminster Broom	42.11	

32 93 43 Trees *(32 93)*

Note: (cvs = cultivar or cultivated varities) materials only. See CSI section 32 93 83 00-0001 for installation and planting of trees.

32 93 43 00-0001 Deciduous Ornamental Trees *(32 93 43)*

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA	6' Clump Form Acer ginnala & cvs - Amur Maple	287.06	
32 93 43 00-0003	EA	7' Clump Form Acer ginnala & cvs - Amur Maple	350.85	
32 93 43 00-0004	EA	8' Clump Form Acer ginnala & cvs - Amur Maple	398.70	
32 93 43 00-0005	EA	10' Clump Form Acer ginnala & cvs - Amur Maple	462.49	
32 93 43 00-0006	EA	12' Clump Form Acer ginnala & cvs - Amur Maple	526.28	
32 93 43 00-0007	EA	14' Clump Form Acer ginnala & cvs - Amur Maple	621.97	
32 93 43 00-0008	EA	1-1/2" To 2" Caliper Acer griseum - Paperbark Maple	285.63	
32 93 43 00-0009	EA	2" To 2-1/2" Caliper Acer griseum - Paperbark Maple	1,020.66	
32 93 43 00-0010	EA	2-1/2" To 3" Caliper Acer griseum - Paperbark Maple	1,275.83	
32 93 43 00-0011	EA	5' Clump Form Acer griseum - Paperbark Maple	255.17	
32 93 43 00-0012	EA	1-1/2" Caliper Aesculus californica - California Buckeye	637.91	
32 93 43 00-0013	EA	2" Caliper Aesculus californica - California Buckeye	829.29	
32 93 43 00-0014	EA	2-1/2" Caliper Aesculus californica - California Buckeye	956.87	
32 93 43 00-0015	EA	3" Caliper Aesculus californica - California Buckeye	1,084.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0016	EA	3-1/2" Caliper Aesculus californica - California Buckeye	1,275.83	
32 93 43 00-0017	EA	36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	104.63	
32 93 43 00-0018	EA	48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	130.78	
32 93 43 00-0019	EA	60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry	162.17	
32 93 43 00-0020	EA	60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	130.78	
32 93 43 00-0021	EA	72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	156.94	
32 93 43 00-0022	EA	7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	183.10	
32 93 43 00-0023	EA	8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry	209.25	
32 93 43 00-0024	EA	5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	235.41	
32 93 43 00-0025	EA	6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	261.57	
32 93 43 00-0026	EA	7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	300.80	
32 93 43 00-0027	EA	8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	340.03	
32 93 43 00-0028	EA	9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry	392.35	
32 93 43 00-0029	EA	7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	300.80	
32 93 43 00-0030	EA	8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	353.11	
32 93 43 00-0031	EA	9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	405.43	
32 93 43 00-0032	EA	10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry	444.66	
32 93 43 00-0033	EA	30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	104.63	
32 93 43 00-0034	EA	48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	222.33	
32 93 43 00-0035	EA	60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry	287.72	
32 93 43 00-0036	EA	2' To 4' Amelemchier - Juneberry	31.85	
32 93 43 00-0037	EA	4' To 5' Amelemchier - Juneberry	33.41	
32 93 43 00-0038	EA	5' To 6' Amelemchier - Juneberry	39.78	
32 93 43 00-0039	EA	6' To 8' Amelemchier - Juneberry	47.46	
32 93 43 00-0040	EA	6' Cercis occidentalis - Western Redbud	178.63	
32 93 43 00-0041	EA	8' Cercis occidentalis - Western Redbud	245.76	
32 93 43 00-0042	EA	2-1/2" Caliper Cercis occidentalis - Western Redbud	506.18	
32 93 43 00-0043	EA	3" Caliper Cercis occidentalis - Western Redbud	616.22	
32 93 43 00-0044	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	60.45	
32 93 43 00-0045	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	90.67	
32 93 43 00-0046	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	113.34	
32 93 43 00-0047	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	141.16	
32 93 43 00-0048	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	239.22	
32 93 43 00-0049	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	318.96	
32 93 43 00-0050	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	414.64	
32 93 43 00-0051	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	462.49	
32 93 43 00-0052	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	558.17	
32 93 43 00-0053	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	621.97	
32 93 43 00-0054	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	239.22	
32 93 43 00-0055	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	318.96	
32 93 43 00-0056	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	414.64	
32 93 43 00-0057	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	462.49	
32 93 43 00-0058	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	558.17	
32 93 43 00-0059	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	621.97	
32 93 43 00-0060	EA	1 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	6.82	
32 93 43 00-0061	EA	5 Gallon Platanus racemosa, Multi Trunk - Western Sycamore	28.89	
32 93 43 00-0062	EA	20 Gallon Prunus subhirtella - Flowering Cherry	394.55	
32 93 43 00-0063	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	407.84	
32 93 43 00-0064	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	509.75	
32 93 43 00-0065	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,063.80	
32 93 43 00-0066	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	819.90	
32 93 43 00-0067	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,595.70	
32 93 43 00-0068	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	101.91	
32 93 43 00-0069	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	279.14	
32 93 43 00-0070	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	363.53	
32 93 43 00-0071	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	115.20	
32 93 43 00-0072	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	221.54	
32 93 43 00-0073	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	407.84	
32 93 43 00-0074	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	487.59	
32 93 43 00-0075	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	319.23	
32 93 43 00-0076	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	265.84	
32 93 43 00-0077	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	389.90	
32 93 43 00-0078	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	465.44	
32 93 43 00-0079	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	598.36	
32 93 43 00-0080	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	308.04	
32 93 43 00-0081	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	385.05	
32 93 43 00-0082	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	400.45	
32 93 43 00-0083	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	477.46	
32 93 43 00-0084	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	646.89	
32 93 43 00-0085	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	847.12	
32 93 43 00-0086	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,078.14	
32 93 43 00-0087	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	308.04	
32 93 43 00-0088	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	385.05	
32 93 43 00-0089	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	261.84	
32 93 43 00-0090	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	400.45	
32 93 43 00-0091	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	477.05	
32 93 43 00-0092	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	646.89	
32 93 43 00-0093	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	847.12	
32 93 43 00-0094	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	561.11	
32 93 43 00-0095	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	701.39	
32 93 43 00-0096	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	869.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0097	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	981.95	
32 93 43 00-0098	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,094.17	
32 93 43 00-0099	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,402.78	
32 93 43 00-0100	EA	1 Gallon Ribes aureum - Golden Current	5.97	
32 93 43 00-0101	EA	5 Gallon Ribes aureum - Golden Current	17.07	
32 93 43 00-0102	EA	1 Gallon Ribes sanguineum - Red Flowering Currant	5.97	
32 93 43 00-0103	EA	5 Gallon Ribes sanguineum - Red Flowering Currant	17.07	
32 93 43 00-0104	EA	1 Gallon Ribes viburnifolium - Evergreen Currant	5.97	
32 93 43 00-0105	EA	5 Gallon Ribes viburnifolium - Evergreen Currant	17.07	
32 93 43 00-0106	EA	8' Cassia leptophlia - Gold Medallion Tree	402.96	
32 93 43 00-0107	EA	10' Cassia leptophlia - Gold Medallion Tree	511.45	
32 93 43 00-0108	EA	12' Cassia leptophlia - Gold Medallion Tree	619.94	
32 93 43 00-0109	EA	6' Magnolia grandiflora 'St. Mary's'	464.96	
32 93 43 00-0110	EA	8' Magnolia grandiflora 'St. Mary's'	821.42	
32 93 43 00-0111	EA	10' Magnolia grandiflora 'St. Mary's'	1,032.20	
32 93 43 00-0112	EA	12' Magnolia grandiflora 'St. Mary's'	1,239.88	
32 93 43 00-0113	EA	14' Magnolia grandiflora 'St. Mary's'	1,441.36	
32 93 43 00-0114	EA	16' Magnolia grandiflora 'St. Mary's'	1,704.84	
32 93 43 00-0115	EA	24" Box Magnolia grandiflora 'St. Mary's'	511.45	
32 93 43 00-0116	EA	6' Prunus cerasifera - Purple Leaf Plum	241.78	
32 93 43 00-0117	EA	8' Prunus cerasifera - Purple Leaf Plum	278.97	
32 93 43 00-0118	EA	10' Prunus cerasifera - Purple Leaf Plum	359.57	
32 93 43 00-0119	EA	24" Box Prunus cerasifera - Purple Leaf Plum	382.81	
32 93 43 00-0120	EA	30" Box Prunus cerasifera - Purple Leaf Plum	774.92	
32 93 43 00-0121	EA	36" Box Prunus cerasifera - Purple Leaf Plum	1,188.74	
32 93 43 00-0122	EA	6' Pittosporum phillyraeoides - Willow Pittorporum	505.25	
32 93 43 00-0123	EA	8' Pittosporum phillyraeoides - Willow Pittorporum	722.23	
32 93 43 00-0124	EA	10' Pittosporum phillyraeoides - Willow Pittorporum	864.82	
32 93 43 00-0125	EA	12' Pittosporum phillyraeoides - Willow Pittorporum	1,115.89	
32 93 43 00-0126	EA	6' Stenocarpus sinuatus - Firewheel Tree	743.93	
32 93 43 00-0127	EA	8' Stenocarpus sinuatus - Firewheel Tree	991.90	
32 93 43 00-0128	EA	10" Stenocarpus sinuatus - Firewheel Tree	1,239.88	
32 93 43 00-0129	EA	12' Stenocarpus sinuatus - Firewheel Tree	1,487.86	
32 93 43 00-0130	EA	24" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	737.09	
32 93 43 00-0131	EA	36" Box Handroanthus impetiginosus (Tabebuia avellanedae) - Pink Trumpet Tree	2,133.67	
32 93 43 00-0132	EA	1-1/2" Caliper Arbutus menziesii - Madrona	539.08	
32 93 43 00-0133	EA	2" Caliper Arbutus menziesii - Madrona	700.80	
32 93 43 00-0134	EA	2-1/2" Caliper Arbutus menziesii - Madrona	808.62	
32 93 43 00-0135	EA	3" Caliper Arbutus menziesii - Madrona	916.43	
32 93 43 00-0136	EA	3-1/2" Caliper Arbutus menziesii - Madrona	1,078.16	
32 93 43 00-0137	EA	1-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	371.96	
32 93 43 00-0138	EA	2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	604.44	
32 93 43 00-0139	EA	2-1/2" Caliper Koelreuteria bipinnata - Chinese Flame Tree	743.93	
32 93 43 00-0140	EA	3" Caliper Koelreuteria bipinnata - Chinese Flame Tree	821.42	
32 93 43 00-0141	EA	24" Box Koelreuteria bipinnata - Chinese Flame Tree	362.66	
32 93 43 00-0142	EA	30" Box Koelreuteria bipinnata - Chinese Flame Tree	836.92	
32 93 43 00-0143	EA	36" Box Koelreuteria bipinnata - Chinese Flame Tree	1,309.62	
32 93 43 00-0144	EA	1-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	337.87	
32 93 43 00-0145	EA	2" Cliber Koelreuteria paniculata - Golden Rain Tree	548.65	
32 93 43 00-0146	EA	2-1/2" Cliber Koelreuteria paniculata - Golden Rain Tree	672.63	
32 93 43 00-0147	EA	3" Cliber Koelreuteria paniculata - Golden Rain Tree	759.43	
32 93 43 00-0148	EA	6' Magnolia grandiflora - Southern Magnolia	229.38	
32 93 43 00-0149	EA	7' Magnolia grandiflora - Southern Magnolia	347.17	
32 93 43 00-0150	EA	8' Magnolia grandiflora - Southern Magnolia	486.65	
32 93 43 00-0151	EA	9' Magnolia grandiflora - Southern Magnolia	647.84	
32 93 43 00-0152	EA	10' Magnolia grandiflora - Southern Magnolia	985.70	
32 93 43 00-0153	EA	24" Box Magnolia grandiflora - Southern Magnolia	402.96	
32 93 43 00-0154	EA	1-1/2" Caliper Tipuana tipu - Tipu Tree	480.45	
32 93 43 00-0155	EA	2" Caliper Tipuana tipu - Tipu Tree	626.14	
32 93 43 00-0156	EA	2-1/2" Caliper Tipuana tipu - Tipu Tree	793.52	
32 93 43 00-0157	EA	3" Caliper Tipuana tipu - Tipu Tree	914.41	
32 93 43 00-0158	EA	3-1/2" Caliper Tipuana tipu - Tipu Tree	1,345.27	
32 93 43 00-0159	EA	4" Caliper Tipuana tipu - Tipu Tree	1,797.83	
32 93 43 00-0160	EA	24" Box Tipuana tipu - Tipu Tree	362.66	
32 93 43 00-0161	EA	6' Albizia julibrissin - Silk Tree	743.93	
32 93 43 00-0162	EA	8' Albizia julibrissin - Silk Tree	991.90	
32 93 43 00-0163	EA	10' Albizia julibrissin - Silk Tree	1,239.88	
32 93 43 00-0164	EA	12' Albizia julibrissin - Silk Tree	1,487.86	
32 93 43 00-0165	EA	6' Brachychiton acerifolius - Flame Tree	743.93	
32 93 43 00-0166	EA	8' Brachychiton acerifolius - Flame Tree	991.90	
32 93 43 00-0167	EA	10' Brachychiton acerifolius - Flame Tree	1,239.88	
32 93 43 00-0168	EA	12' Brachychiton acerifolius - Flame Tree	1,487.86	
32 93 43 00-0169	EA	1-1/2" Caliper Chilopsis linearis - Desert Willow	601.34	
32 93 43 00-0170	EA	2" Caliper Chilopsis linearis - Desert Willow	722.23	
32 93 43 00-0171	EA	2-1/2" Caliper Chilopsis linearis - Desert Willow	768.73	
32 93 43 00-0172	EA	3" Caliper Chilopsis linearis - Desert Willow	852.42	
32 93 43 00-0173	EA	5 Gallon Chionanthus retusus - Chinese Fringe Tree	31.00	
32 93 43 00-0174	EA	15 Gallon Chionanthus retusus - Chinese Fringe Tree	123.99	
32 93 43 00-0175	EA	24" Box Chionanthus retusus - Chinese Fringe Tree	619.94	
32 93 43 00-0176	EA	5 Gallon Calodendrum capense - Cape Chestnut	46.50	
32 93 43 00-0177	EA	15 Gallon Calodendrum capense - Cape Chestnut	185.98	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0178	EA	24" Box Calodendrum capense - Cape Chestnut	697.43	
32 93 43 00-0179	EA	6' Chionanthus virginicus - White Fringe Tree	371.96	
32 93 43 00-0180	EA	8' Chionanthus virginicus - White Fringe Tree	513.52	
32 93 43 00-0181	EA	10' Chionanthus virginicus - White Fringe Tree	715.26	
32 93 43 00-0182	EA	15 Gallon Geijera parvifolia - Australian Willow	220.08	
32 93 43 00-0183	EA	24" Box Geijera parvifolia - Australian Willow	453.00	
32 93 43 00-0184	EA	30" Box Geijera parvifolia - Australian Willow	843.64	
32 93 43 00-0185	EA	36" Box Geijera parvifolia - Australian Willow	1,210.44	
32 93 43 00-0186	EA	1-1/2" Caliper Ginko Biloba - Maidenhair Tree	652.90	
32 93 43 00-0187	EA	2" Caliper Ginko Biloba - Maidenhair Tree	909.66	
32 93 43 00-0188	EA	2-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,096.73	
32 93 43 00-0189	EA	3" Caliper Ginko Biloba - Maidenhair Tree	1,280.13	
32 93 43 00-0190	EA	3-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,676.28	
32 93 43 00-0191	EA	4" Caliper Ginko Biloba - Maidenhair Tree	1,789.98	
32 93 43 00-0192	EA	4-1/2" Caliper Ginko Biloba - Maidenhair Tree	1,907.36	
32 93 43 00-0193	EA	24" Box Ginko Biloba - Maidenhair Tree	596.05	
32 93 43 00-0194	EA	15 Gallon Sapium sebiferum - Chinese Tallow Tree	220.08	
32 93 43 00-0195	EA	24" Box Sapium sebiferum - Chinese Tallow Tree	806.96	
32 93 43 00-0196	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	234.75	
32 93 43 00-0197	EA	6' Lagerstroemia indica - Crape Myrtle	436.49	
32 93 43 00-0198	EA	8' Lagerstroemia indica - Crape Myrtle	451.16	
32 93 43 00-0199	EA	10' Lagerstroemia indica - Crape Myrtle	546.53	
32 93 43 00-0200	EA	24" Box Lagerstroemia indica - Crape Myrtle	429.16	
32 93 43 00-0201	EA	5 Gallon Celtis Sinensis - Chinese Hackberry	45.48	
32 93 43 00-0202	EA	15 Gallon Celtis Sinensis - Chinese Hackberry	119.92	
32 93 43 00-0203	EA	24" Box Celtis Sinensis - Chinese Hackberry	392.82	
32 93 43 00-0204	EA	36" Box Celtis Sinensis - Chinese Hackberry	1,147.46	
32 93 43 00-0205	EA	5 Gallon Crataegus phaenopyrum - Washington Hawthorn	45.48	
32 93 43 00-0206	EA	15 Gallon Crataegus phaenopyrum - Washington Hawthorn	119.92	
32 93 43 00-0207	EA	24" Box Crataegus phaenopyrum - Washington Hawthorn	392.82	
32 93 43 00-0208	EA	36" Box Crataegus phaenopyrum - Washington Hawthorn	1,147.46	
32 93 43 00-0209	EA	1 Gallon Eucalyptus ficifolia - Red-Flowering Gum	13.44	
32 93 43 00-0210	EA	5 Gallon Eucalyptus ficifolia - Red-Flowering Gum	37.22	
32 93 43 00-0211	EA	15 Gallon Eucalyptus ficifolia - Red-Flowering Gum	163.33	
32 93 43 00-0212	EA	24" Box Eucalyptus ficifolia - Red-Flowering Gum	392.82	
32 93 43 00-0213	EA	36" Box Eucalyptus ficifolia - Red-Flowering Gum	1,033.75	
32 93 43 00-0214	EA	15 Gallon Fraxinus velutina 'Raywood' - Fan-Tex Ash	101.31	
32 93 43 00-0215	EA	24" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	330.80	
32 93 43 00-0216	EA	36" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	878.69	
32 93 43 00-0217	EA	48" Box Fraxinus velutina 'Raywood' - Fan-Tex Ash	1,964.12	
32 93 43 00-0218	EA	5 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	28.94	
32 93 43 00-0219	EA	15 Gallon Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	101.31	
32 93 43 00-0220	EA	24" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	330.80	
32 93 43 00-0221	EA	36" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	878.69	
32 93 43 00-0222	EA	48" Box Gleditsia triacanthos 'Shademaster' - Shademaster Honey Locust	1,964.12	
32 93 43 00-0223	EA	5 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	28.94	
32 93 43 00-0224	EA	15 Gallon Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	121.98	
32 93 43 00-0225	EA	24" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	330.80	
32 93 43 00-0226	EA	36" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	930.38	
32 93 43 00-0227	EA	48" Box Liquidambar styraciflua 'Burgundy' - Burgundy Sweetgum	2,377.62	
32 93 43 00-0228	EA	5 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	28.94	
32 93 43 00-0229	EA	15 Gallon Liquidambar styraciflua 'Festival' - Festival Sweetgum	121.98	
32 93 43 00-0230	EA	24" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	330.80	
32 93 43 00-0231	EA	36" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	930.38	
32 93 43 00-0232	EA	48" Box Liquidambar styraciflua 'Festival' - Festival Sweetgum	2,377.62	
32 93 43 00-0233	EA	5 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	28.94	
32 93 43 00-0234	EA	15 Gallon Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	121.98	
32 93 43 00-0235	EA	24" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	330.80	
32 93 43 00-0236	EA	36" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	930.38	
32 93 43 00-0237	EA	48" Box Liquidambar styraciflua 'Palo Alto' - Palo Alto Sweetgum	2,377.62	
32 93 43 00-0238	EA	1 Gallon Pittosporum undulatum - Victorian Box	25.22	
32 93 43 00-0239	EA	5 Gallon Pittosporum undulatum - Victorian Box	54.31	
32 93 43 00-0240	EA	15 Gallon Pittosporum undulatum - Victorian Box	306.47	
32 93 43 00-0241	EA	24" Box Pittosporum undulatum - Victorian Box	737.09	
32 93 43 00-0242	EA	36" Box Pittosporum undulatum - Victorian Box	2,133.67	
32 93 43 00-0243	EA	48" Box Pittosporum undulatum - Victorian Box	4,849.25	
32 93 43 00-0244	EA	15 Gallon Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	103.27	
32 93 43 00-0245	EA	24" Box Prunus cerasifera 'Thundercloud' - Thundercloud Purple Leaf Plum	372.05	
32 93 43 00-0246		**Deciduous Shade Trees** *(32 93 43)*		
		Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0247	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	244.39	
32 93 43 00-0248	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	299.57	
32 93 43 00-0249	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	390.23	
32 93 43 00-0250	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	505.85	
32 93 43 00-0251	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	25.78	
32 93 43 00-0252	EA	4' To 5' Acer palmatum - Japanese Maple	54.13	
32 93 43 00-0253	EA	5' To 6' Acer palmatum - Japanese Maple	70.88	
32 93 43 00-0254	EA	6' To 7' Acer palmatum - Japanese Maple	128.88	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0255	EA	7' To 8' Acer palmatum - Japanese Maple	180.43	
32 93 43 00-0256	EA	8' To 10' Acer palmatum - Japanese Maple	231.99	
32 93 43 00-0257	EA	10' To 12' Acer palmatum - Japanese Maple	309.32	
32 93 43 00-0258	EA	2" Caliper Acer platanoides & cvs - Norway Maple	131.39	
32 93 43 00-0259	EA	2" Caliper Acer platanoides & cvs - Norway Maple	159.95	
32 93 43 00-0260	EA	3" Caliper Acer platanoides & cvs - Norway Maple	205.65	
32 93 43 00-0261	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	239.93	
32 93 43 00-0262	EA	4" Caliper Acer platanoides & cvs - Norway Maple	257.07	
32 93 43 00-0263	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	279.92	
32 93 43 00-0264	EA	5" Caliper Acer platanoides & cvs - Norway Maple	314.19	
32 93 43 00-0265	EA	2" Caliper Acer rubrum & cvs - Red Maple	125.68	
32 93 43 00-0266	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	159.95	
32 93 43 00-0267	EA	3" Caliper Acer rubrum & cvs - Red Maple	205.65	
32 93 43 00-0268	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	251.35	
32 93 43 00-0269	EA	4" Caliper Acer rubrum & cvs - Red Maple	285.63	
32 93 43 00-0270	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	331.33	
32 93 43 00-0271	EA	5" Caliper Acer rubrum & cvs - Red Maple	371.32	
32 93 43 00-0272	EA	8' Clump Form Acer rubrum & cvs - Red Maple	154.24	
32 93 43 00-0273	EA	10' Clump Form Acer rubrum & cvs - Red Maple	205.65	
32 93 43 00-0274	EA	12' Clump Form Acer rubrum & cvs - Red Maple	239.93	
32 93 43 00-0275	EA	14' Clump Form Acer rubrum & cvs - Red Maple	274.21	
32 93 43 00-0276	EA	16' Clump Form Acer rubrum & cvs - Red Maple	308.48	
32 93 43 00-0277	EA	18' Clump Form Acer rubrum & cvs - Red Maple	342.76	
32 93 43 00-0278	EA	2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	199.94	
32 93 43 00-0279	EA	2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	222.79	
32 93 43 00-0280	EA	3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	251.35	
32 93 43 00-0281	EA	3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	285.63	
32 93 43 00-0282	EA	4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut	342.76	
32 93 43 00-0283	EA	2" Caliper Betula nigra - River Birch	142.82	
32 93 43 00-0284	EA	2-1/2" Caliper Betula nigra - River Birch	161.72	
32 93 43 00-0285	EA	3" Caliper Betula nigra - River Birch	182.80	
32 93 43 00-0286	EA	3-1/2" Caliper Betula nigra - River Birch	228.50	
32 93 43 00-0287	EA	4" Caliper Betula nigra - River Birch	257.07	
32 93 43 00-0288	EA	4-1/2" Caliper Betula nigra - River Birch	285.63	
32 93 43 00-0289	EA	5" Caliper Betula nigra - River Birch	314.19	
32 93 43 00-0290	EA	8' Clump Form Betula nigra - River Birch	131.39	
32 93 43 00-0291	EA	10' Clump Form Betula nigra - River Birch	148.53	
32 93 43 00-0292	EA	12' Clump Form Betula nigra - River Birch	171.38	
32 93 43 00-0293	EA	14' Clump Form Betula nigra - River Birch	199.94	
32 93 43 00-0294	EA	16' Clump Form Betula nigra - River Birch	228.50	
32 93 43 00-0295	EA	12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	171.38	
32 93 43 00-0296	EA	14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	205.65	
32 93 43 00-0297	EA	16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	239.93	
32 93 43 00-0298	EA	18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	285.63	
32 93 43 00-0299	EA	20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch	297.06	
32 93 43 00-0300	EA	2" Caliper Carpinus betulus & cvs - European Hornbeam	228.50	
32 93 43 00-0301	EA	2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	257.07	
32 93 43 00-0302	EA	3" Caliper Carpinus betulus & cvs - European Hornbeam	297.06	
32 93 43 00-0303	EA	3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam	359.89	
32 93 43 00-0304	EA	6' Clump Form Carpinus betulus & cvs - European Hornbeam	102.83	
32 93 43 00-0305	EA	7' Clump Form Carpinus betulus & cvs - European Hornbeam	142.82	
32 93 43 00-0306	EA	8' Clump Form Carpinus betulus & cvs - European Hornbeam	177.09	
32 93 43 00-0307	EA	2" Caliper Catalpa speciosa - Western Catalpa	125.68	
32 93 43 00-0308	EA	2-1/2" Caliper Catalpa speciosa - Western Catalpa	171.38	
32 93 43 00-0309	EA	3" Caliper Catalpa speciosa - Western Catalpa	222.79	
32 93 43 00-0310	EA	3-1/2" Caliper Catalpa speciosa - Western Catalpa	268.49	
32 93 43 00-0311	EA	4" Caliper Catalpa speciosa - Western Catalpa	308.48	
32 93 43 00-0312	EA	8' Clump Form Corylus cornuta californica - Western Filbert	159.95	
32 93 43 00-0313	EA	10' Clump Form Corylus cornuta californica - Western Filbert	194.23	
32 93 43 00-0314	EA	12' Clump Form Corylus cornuta californica - Western Filbert	228.50	
32 93 43 00-0315	EA	1-1/2" Caliper Diospyros - Persimmon	102.83	
32 93 43 00-0316	EA	2" Caliper Diospyros - Persimmon	125.68	
32 93 43 00-0317	EA	2-1/2" Caliper Diospyros - Persimmon	159.95	
32 93 43 00-0318	EA	3" Caliper Diospyros - Persimmon	199.94	
32 93 43 00-0319	EA	3-1/2" Caliper Diospyros - Persimmon	239.93	
32 93 43 00-0320	EA	2" Caliper Fagus sylvatica & cvs - European Beech	257.07	
32 93 43 00-0321	EA	2-1/2" Caliper Fagus sylvatica & cvs - European Beech	308.48	
32 93 43 00-0322	EA	3" Caliper Fagus sylvatica & cvs - European Beech	371.32	
32 93 43 00-0323	EA	3-1/2" Caliper Fagus sylvatica & cvs - European Beech	411.31	
32 93 43 00-0324	EA	4" Caliper Fagus sylvatica & cvs - European Beech	485.57	
32 93 43 00-0325	EA	4-1/2" Caliper Fagus sylvatica & cvs - European Beech	628.39	
32 93 43 00-0326	EA	5" Caliper Fagus sylvatica & cvs - European Beech	742.64	
32 93 43 00-0327	EA	2" Caliper Fraxinus americana & cvs - White Ash	142.82	
32 93 43 00-0328	EA	2-1/2" Caliper Fraxinus americana & cvs - White Ash	171.38	
32 93 43 00-0329	EA	3" Caliper Fraxinus americana & cvs - White Ash	217.08	
32 93 43 00-0330	EA	3-1/2" Caliper Fraxinus americana & cvs - White Ash	262.78	
32 93 43 00-0331	EA	4" Caliper Fraxinus americana & cvs - White Ash	308.48	
32 93 43 00-0332	EA	4-1/2" Caliper Fraxinus americana & cvs - White Ash	342.76	
32 93 43 00-0333	EA	5" Caliper Fraxinus americana & cvs - White Ash	399.88	
32 93 43 00-0334	EA	1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	199.94	
32 93 43 00-0335	EA	2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	222.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0336	EA	2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	251.35	
32 93 43 00-0337	EA	3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	279.92	
32 93 43 00-0338	EA	3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	314.19	
32 93 43 00-0339	EA	4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	342.76	
32 93 43 00-0340	EA	4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	514.13	
32 93 43 00-0341	EA	5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree)	571.26	
32 93 43 00-0342	EA	2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	137.10	
32 93 43 00-0343	EA	2-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	171.38	
32 93 43 00-0344	EA	3" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	205.65	
32 93 43 00-0345	EA	3-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	239.93	
32 93 43 00-0346	EA	4" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	274.21	
32 93 43 00-0347	EA	4-1/2" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	308.48	
32 93 43 00-0348	EA	5" Caliper Gleditsia triocanthos inermis & cvs - Thornless Common Honeylocust	365.61	
32 93 43 00-0349	EA	10' - 12' Bursera Simaruba - Gumbo Limbo	72.26	
32 93 43 00-0350	EA	12' - 14' Bursera Simaruba - Gumbo Limbo	85.40	
32 93 43 00-0351	EA	14' - 16' Bursera Simaruba - Gumbo Limbo	118.25	
32 93 43 00-0352	EA	17' - 18' Bursera Simaruba - Gumbo Limbo	153.73	
32 93 43 00-0353	EA	19' - 20' Bursera Simaruba - Gumbo Limbo	170.81	
32 93 43 00-0354	EA	21' - 22' Bursera Simaruba - Gumbo Limbo	202.34	
32 93 43 00-0355	EA	1-1/2" Caliper Juglans californica - California Walnut	137.10	
32 93 43 00-0356	EA	2" Caliper Juglans californica - California Walnut	159.95	
32 93 43 00-0357	EA	2-1/2" Caliper Juglans californica - California Walnut	199.94	
32 93 43 00-0358	EA	3" Caliper Juglans californica - California Walnut	251.35	
32 93 43 00-0359	EA	3-1/2" Caliper Juglans californica - California Walnut	308.48	
32 93 43 00-0360	EA	4" Caliper Juglans californica - California Walnut	371.32	
32 93 43 00-0361	EA	4-1/2" Caliper Juglans californica - California Walnut	428.45	
32 93 43 00-0362	EA	5" Caliper Juglans californica - California Walnut	485.57	
32 93 43 00-0363	EA	5 Gallon Koelreuteria Paniculata - Goldenrain Tree	15.47	
32 93 43 00-0364	EA	15 Gallon Koelreuteria Paniculata - Goldenrain Tree	38.66	
32 93 43 00-0365	EA	20 Gallon Koelreuteria Paniculata - Goldenrain Tree	77.33	
32 93 43 00-0366	EA	55 Gallon Koelreuteria Paniculata - Goldenrain Tree	100.53	
32 93 43 00-0367	EA	1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree	73.46	
32 93 43 00-0368	EA	2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree	88.93	
32 93 43 00-0369	EA	2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree	123.73	
32 93 43 00-0370	EA	1-1/2" Caliper Liquidambar styraciflua - American Sweetgum	182.80	
32 93 43 00-0371	EA	2" Caliper Liquidambar styraciflua - American Sweetgum	228.50	
32 93 43 00-0372	EA	2-1/2" Caliper Liquidambar styraciflua - American Sweetgum	285.63	
32 93 43 00-0373	EA	3" Caliper Liquidambar styraciflua - American Sweetgum	342.76	
32 93 43 00-0374	EA	3-1/2" Caliper Liquidambar styraciflua - American Sweetgum	399.88	
32 93 43 00-0375	EA	1-1/2" Caliper Liriodendron tulipifera - Tulip Tree	182.80	
32 93 43 00-0376	EA	2" Caliper Liriodendron tulipifera - Tulip Tree	251.35	
32 93 43 00-0377	EA	2-1/2" Caliper Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0378	EA	3" Caliper Liriodendron tulipifera - Tulip Tree	342.76	
32 93 43 00-0379	EA	3-1/2" Caliper Liriodendron tulipifera - Tulip Tree	388.46	
32 93 43 00-0380	EA	8' Clump Form Liriodendron tulipifera - Tulip Tree	137.10	
32 93 43 00-0381	EA	10' Clump Form Liriodendron tulipifera - Tulip Tree	245.64	
32 93 43 00-0382	EA	12' Clump Form Liriodendron tulipifera - Tulip Tree	297.06	
32 93 43 00-0383	EA	1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	182.80	
32 93 43 00-0384	EA	2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	228.50	
32 93 43 00-0385	EA	2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	285.63	
32 93 43 00-0386	EA	3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	342.76	
32 93 43 00-0387	EA	3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum	399.88	
32 93 43 00-0388	EA	4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	79.98	
32 93 43 00-0389	EA	5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	91.40	
32 93 43 00-0390	EA	6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	108.54	
32 93 43 00-0391	EA	7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	137.10	
32 93 43 00-0392	EA	8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum	171.38	
32 93 43 00-0393	EA	30" Box Platanus Occidentalis - Buttonwood Sycamore	248.18	
32 93 43 00-0394	EA	36" Box Platanus Occidentalis - Buttonwood Sycamore	361.00	
32 93 43 00-0395	EA	42" Box Platanus occidentalis - Buttonwood Sycamore	537.01	
32 93 43 00-0396	EA	1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore	83.04	
32 93 43 00-0397	EA	2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	99.28	
32 93 43 00-0398	EA	2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore	135.37	
32 93 43 00-0399	EA	3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore	164.28	
32 93 43 00-0400	EA	8' To 10' Platanus occidentalis - Green Or Silver Buttonwood	68.32	
32 93 43 00-0401	EA	10' To 12' Platanus occidentalis - Green Or Silver Buttonwood	85.40	
32 93 43 00-0402	EA	12' To 14' Platanus occidentalis - Green Or Silver Buttonwood	151.10	
32 93 43 00-0403	EA	16' To 18' Platanus occidentalis - Green Or Silver Buttonwood	216.79	
32 93 43 00-0404	EA	2" Caliper Platanus x acerifolia & cvs - London Planetree	137.10	
32 93 43 00-0405	EA	2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	165.67	
32 93 43 00-0406	EA	3" Caliper Platanus x acerifolia & cvs - London Planetree	199.94	
32 93 43 00-0407	EA	3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree	239.93	
32 93 43 00-0408	EA	4" Caliper Platanus x acerifolia & cvs - London Planetree	285.63	
32 93 43 00-0409	EA	2" Caliper Populus alba & cvs - White Poplar	137.10	
32 93 43 00-0410	EA	2-1/2" Caliper Populus alba & cvs - White Poplar	159.95	
32 93 43 00-0411	EA	3" Caliper Populus alba & cvs - White Poplar	182.80	
32 93 43 00-0412	EA	3-1/2" Caliper Populus alba & cvs - White Poplar	217.08	
32 93 43 00-0413	EA	4" Caliper Populus alba & cvs - White Poplar	239.93	
32 93 43 00-0414	EA	4-1/2" Caliper Populus alba & cvs - White Poplar	274.21	
32 93 43 00-0415	EA	2" Caliper Populus deltoides & cvs - Eastern Cottonwood	125.68	
32 93 43 00-0416	EA	2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	165.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0417	EA	3" Caliper Populus deltoides & cvs - Eastern Cottonwood	199.94	
32 93 43 00-0418	EA	3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood	239.93	
32 93 43 00-0419	EA	4" Caliper Populus deltoides & cvs - Eastern Cottonwood	285.63	
32 93 43 00-0420	EA	2" Caliper Quercus palustris - Pin Oak	125.68	
32 93 43 00-0421	EA	2-1/2" Caliper Quercus palustris - Pin Oak	171.38	
32 93 43 00-0422	EA	3" Caliper Quercus palustris - Pin Oak	222.79	
32 93 43 00-0423	EA	3-1/2" Caliper Quercus palustris - Pin Oak	257.07	
32 93 43 00-0424	EA	4" Caliper Quercus palustris - Pin Oak	297.06	
32 93 43 00-0425	EA	4-1/2" Caliper Quercus palustris - Pin Oak	337.04	
32 93 43 00-0426	EA	5" Caliper Quercus palustris - Pin Oak	371.32	
32 93 43 00-0427	EA	2" Caliper Quercus shumardii - Shumard Oak	194.23	
32 93 43 00-0428	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	245.64	
32 93 43 00-0429	EA	3" Caliper Quercus shumardii - Shumard Oak	285.63	
32 93 43 00-0430	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	342.76	
32 93 43 00-0431	EA	4" Caliper Quercus shumardii - Shumard Oak	399.88	
32 93 43 00-0432	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	457.01	
32 93 43 00-0433	EA	5" Caliper Quercus shumardii - Shumard Oak	514.13	
32 93 43 00-0434	EA	24" Box Salix babylonica - Weeping Willow	144.39	
32 93 43 00-0435	EA	36" Box Salix babylonica - Weeping Willow	361.00	
32 93 43 00-0436	EA	1-1/2" To 2" Caliper Salix babylonica - Weeping Willow	83.04	
32 93 43 00-0437	EA	2" To 2-1/2" Caliper Salix babylonica - Weeping Willow	99.28	
32 93 43 00-0438	EA	2-1/2" To 3" Caliper Salix babylonica - Weeping Willow	108.30	
32 93 43 00-0439	EA	2' Thuja occidentalis - American Arborviatae	19.58	
32 93 43 00-0440	EA	2-1/2' Thuja occidentalis - American Arborviatae	21.15	
32 93 43 00-0441	EA	3' Thuja occidentalis - American Arborviatae	30.22	
32 93 43 00-0442	EA	4' Thuja occidentalis - American Arborviatae	41.52	
32 93 43 00-0443	EA	5' Thuja occidentalis - American Arborviatae	57.81	
32 93 43 00-0444	EA	6' Thuja occidentalis - American Arborviatae	80.15	
32 93 43 00-0445	EA	7' Thuja occidentalis - American Arborviatae	97.23	
32 93 43 00-0446	EA	8' Thuja occidentalis - American Arborviatae	136.65	
32 93 43 00-0447	EA	2" Caliper Tilia cordata & cvs - Littleleaf Linden	143.67	
32 93 43 00-0448	EA	2-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	173.55	
32 93 43 00-0449	EA	3" Caliper Tilia cordata & cvs - Littleleaf Linden	199.94	
32 93 43 00-0450	EA	3-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	245.64	
32 93 43 00-0451	EA	4" Caliper Tilia cordata & cvs - Littleleaf Linden	279.92	
32 93 43 00-0452	EA	4-1/2" Caliper Tilia cordata & cvs - Littleleaf Linden	314.19	
32 93 43 00-0453	EA	5" Caliper Tilia cordata & cvs - Littleleaf Linden	348.47	
32 93 43 00-0454	EA	2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	159.95	
32 93 43 00-0455	EA	2-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	182.80	
32 93 43 00-0456	EA	3" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	199.94	
32 93 43 00-0457	EA	3-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	217.08	
32 93 43 00-0458	EA	4" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	239.93	
32 93 43 00-0459	EA	4-1/2" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	285.63	
32 93 43 00-0460	EA	5" Caliper Ulmus x `Homestead' - Homestead Hybrid Elm	337.04	
32 93 43 00-0461	EA	2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	182.80	
32 93 43 00-0462	EA	2-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	199.94	
32 93 43 00-0463	EA	3" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	217.08	
32 93 43 00-0464	EA	3-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	239.93	
32 93 43 00-0465	EA	4" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	285.63	
32 93 43 00-0466	EA	4-1/2" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	337.04	
32 93 43 00-0467	EA	5" Caliper Ulmus x `Pioneer' - Pioneer Hybrid Elm	388.46	
32 93 43 00-0468	EA	2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	182.80	
32 93 43 00-0469	EA	2-1/2" Mary-Louise Parker Ulmus x `Regal' - Regal Hybrid Elm	199.94	
32 93 43 00-0470	EA	3" Caliper Ulmus x `Regal' - Regal Hybrid Elm	217.08	
32 93 43 00-0471	EA	3-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	239.93	
32 93 43 00-0472	EA	4" Caliper Ulmus x `Regal' - Regal Hybrid Elm	285.63	
32 93 43 00-0473	EA	4-1/2" Caliper Ulmus x `Regal' - Regal Hybrid Elm	337.04	
32 93 43 00-0474	EA	5" Caliper Ulmus x `Regal' - Regal Hybrid Elm	388.46	
32 93 43 00-0475	EA	1-1/2" To 2" Caliper Platanus acerifolia "Bloodgold" - London Plane	341.12	
32 93 43 00-0476	EA	2" To 2-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	608.89	
32 93 43 00-0477	EA	2-1/2" To 3" Caliper Platanus acerifolia "Bloodgold" - London Plane	891.32	
32 93 43 00-0478	EA	3" To 3-1/2" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,107.74	
32 93 43 00-0479	EA	3-1/2" To 4" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,434.19	
32 93 43 00-0480	EA	4" To 5" Caliper Platanus acerifolia "Bloodgold" - London Plane	1,632.26	
32 93 43 00-0481	EA	24" Box Platanus acerifolia "Bloodgold" - London Plane	429.16	
32 93 43 00-0482	EA	1-1/2" Caliper Quercus suber - Cork Oak	513.52	
32 93 43 00-0483	EA	2" Caliper Quercus suber - Cork Oak	711.59	
32 93 43 00-0484	EA	2-1/2" Caliper Quercus suber - Cork Oak	909.66	
32 93 43 00-0485	EA	3" Caliper Quercus suber - Cork Oak	1,137.08	
32 93 43 00-0486	EA	3-1/2" Caliper Quercus suber - Cork Oak	1,705.62	
32 93 43 00-0487	EA	4" Caliper Quercus suber - Cork Oak	2,200.80	
32 93 43 00-0488	EA	4-1/2" Caliper Quercus suber - Cork Oak	2,861.04	
32 93 43 00-0489	EA	1-1/2" Caliper Quercus ilex - Holly Oak	568.54	
32 93 43 00-0490	EA	2" Caliper Quercus ilex - Holly Oak	766.61	
32 93 43 00-0491	EA	2-1/2" Caliper Quercus ilex - Holly Oak	939.01	
32 93 43 00-0492	EA	3" Caliper Quercus ilex - Holly Oak	1,137.08	
32 93 43 00-0493	EA	3-1/2" Caliper Quercus ilex - Holly Oak	1,705.62	
32 93 43 00-0494	EA	4" Caliper Quercus ilex - Holly Oak	2,200.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0495		**Evergreen Trees** *(32 93 43)* Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0496	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	25.16	
32 93 43 00-0497	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	40.45	
32 93 43 00-0498	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	60.09	
32 93 43 00-0499	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	80.84	
32 93 43 00-0500	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	114.77	
32 93 43 00-0501	EA	6' To 8' Cedrus deodara - Indian Cedar	103.85	
32 93 43 00-0502	EA	8' To 10' Cedrus deodara - Indian Cedar	120.24	
32 93 43 00-0503	EA	10' To 12' Cedrus deodara - Indian Cedar	163.94	
32 93 43 00-0504	EA	12' To 14' Cedrus deodara - Indian Cedar	213.11	
32 93 43 00-0505	EA	14' To 16' Cedrus deodara - Indian Cedar	273.25	
32 93 43 00-0506	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	32.46	
32 93 43 00-0507	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	48.69	
32 93 43 00-0508	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	75.74	
32 93 43 00-0509	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	129.85	
32 93 43 00-0510	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.86	
32 93 43 00-0511	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	71.44	
32 93 43 00-0512	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	31.25	
32 93 43 00-0513	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	40.18	
32 93 43 00-0514	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	62.51	
32 93 43 00-0515	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	151.81	
32 93 43 00-0516	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.26	
32 93 43 00-0517	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.66	
32 93 43 00-0518	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	48.85	
32 93 43 00-0519	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.81	
32 93 43 00-0520	EA	15 Gallon Cupressus sempervirens - Italian Cypress	46.22	
32 93 43 00-0521	EA	1 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	4.94	
32 93 43 00-0522	EA	2 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	9.66	
32 93 43 00-0523	EA	3 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	11.98	
32 93 43 00-0524	EA	5 Gallon Juniperus horizontalis "Bar Harbor' - Bar Harbor Juniper	14.08	
32 93 43 00-0525	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.94	
32 93 43 00-0526	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.66	
32 93 43 00-0527	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.98	
32 93 43 00-0528	EA	5 Gallon Juniperus - Blue Sargent Juniper	14.08	
32 93 43 00-0529	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	14.08	
32 93 43 00-0530	EA	15" To 18" Juniperus - Compact Pfitzer Juniper	15.23	
32 93 43 00-0531	EA	18" To 24" Juniperus - Compact Pfitzer Juniper	18.38	
32 93 43 00-0532	EA	2' To 2 1/2' Juniperus - Compact Pfitzer Juniper	27.31	
32 93 43 00-0533	EA	2-1/2' To 3' Juniperus - Compact Pfitzer Juniper	31.62	
32 93 43 00-0534	EA	5' To 6' Juniperus - Fairview Juniper	47.10	
32 93 43 00-0535	EA	1 Gallon Juniperus - Hollywood Juniper	6.30	
32 93 43 00-0536	EA	5 Gallon Juniperus - Hollywood Juniper	17.54	
32 93 43 00-0537	EA	15 Gallon Juniperus - Hollywood Juniper	74.38	
32 93 43 00-0538	EA	4' To 5' Juniperus - Hollywood Juniper	49.17	
32 93 43 00-0539	EA	5' To 6' Juniperus - Hollywood Juniper	63.35	
32 93 43 00-0540	EA	1 Gallon Juniperus - Parson's Juniper	4.94	
32 93 43 00-0541	EA	2 Gallon Juniperus - Parson's Juniper	9.77	
32 93 43 00-0542	EA	3 Gallon Juniperus - Parson's Juniper	12.08	
32 93 43 00-0543	EA	5 Gallon Juniperus - Parson's Juniper	14.29	
32 93 43 00-0544	EA	5 Gallon Juniperus - Skyrocket Juniper	17.65	
32 93 43 00-0545	EA	15 Gallon Juniperus - Skyrocket Juniper	75.11	
32 93 43 00-0546	EA	2' To 3' Juniperus - Skyrocket Juniper	26.47	
32 93 43 00-0547	EA	3' To 4' Juniperus - Skyrocket Juniper	37.50	
32 93 43 00-0548	EA	4' To 5' Juniperus - Skyrocket Juniper	49.69	
32 93 43 00-0549	EA	5' To 6' Juniperus - Skyrocket Juniper	64.08	
32 93 43 00-0550	EA	6' To 8' Juniperus - Skyrocket Juniper	82.78	
32 93 43 00-0551	EA	1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	4.94	
32 93 43 00-0552	EA	2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	9.72	
32 93 43 00-0553	EA	3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	11.92	
32 93 43 00-0554	EA	5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper	14.13	
32 93 43 00-0555	EA	1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	4.94	
32 93 43 00-0556	EA	2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	9.72	
32 93 43 00-0557	EA	3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	11.92	
32 93 43 00-0558	EA	5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper	14.13	
32 93 43 00-0559	EA	3' Pinus sylvestris - Scotch Pine	45.89	
32 93 43 00-0560	EA	4' Pinus sylvestris - Scotch Pine	63.70	
32 93 43 00-0561	EA	5' Pinus sylvestris - Scotch Pine	89.41	
32 93 43 00-0562	EA	6' Pinus sylvestris - Scotch Pine	124.05	
32 93 43 00-0563	EA	7' Pinus sylvestris - Scotch Pine	151.99	
32 93 43 00-0564	EA	8' Pinus sylvestris - Scotch Pine	214.57	
32 93 43 00-0565	EA	9' Pinus sylvestris - Scotch Pine	272.41	
32 93 43 00-0566	EA	10' Pinus sylvestris - Scotch Pine	314.32	
32 93 43 00-0567	EA	12' Pinus sylvestris - Scotch Pine	370.19	
32 93 43 00-0568	EA	14' Pinus sylvestris - Scotch Pine	419.09	
32 93 43 00-0569	EA	16' Pinus sylvestris - Scotch Pine	488.93	
32 93 43 00-0570	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.94	
32 93 43 00-0571	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	17.54	
32 93 43 00-0572	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	56.84	
32 93 43 00-0573	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	24.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0574	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	30.57	
32 93 43 00-0575	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	45.91	
32 93 43 00-0576	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	89.61	
32 93 43 00-0577	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	100.54	
32 93 43 00-0578	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	125.65	
32 93 43 00-0579	EA	6' Pinus flexilis & cvs - Limber Pine	174.62	
32 93 43 00-0580	EA	7' Pinus flexilis & cvs - Limber Pine	202.56	
32 93 43 00-0581	EA	8' Pinus flexilis & cvs - Limber Pine	251.45	
32 93 43 00-0582	EA	9' Pinus flexilis & cvs - Limber Pine	307.33	
32 93 43 00-0583	EA	10' Pinus flexilis & cvs - Limber Pine	349.24	
32 93 43 00-0584	EA	1 Gallon Pinus mugo - Mugho Pine	6.51	
32 93 43 00-0585	EA	2 Gallon Pinus mugo - Mugho Pine	13.76	
32 93 43 00-0586	EA	3 Gallon Pinus mugo - Mugho Pine	17.23	
32 93 43 00-0587	EA	5 Gallon Pinus mugo - Mugho Pine	21.85	
32 93 43 00-0588	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.91	
32 93 43 00-0589	EA	15" To 18" Spread Pinus mugo - Mugho Pine	20.17	
32 93 43 00-0590	EA	18" To 24" Spread Pinus mugo - Mugho Pine	27.31	
32 93 43 00-0591	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	38.24	
32 93 43 00-0592	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	49.17	
32 93 43 00-0593	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	61.25	
32 93 43 00-0594	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	74.38	
32 93 43 00-0595	EA	6' Pinus nigra - Austrian Pine	174.62	
32 93 43 00-0596	EA	7' Pinus nigra - Austrian Pine	209.54	
32 93 43 00-0597	EA	8' Pinus nigra - Austrian Pine	272.41	
32 93 43 00-0598	EA	9' Pinus nigra - Austrian Pine	314.32	
32 93 43 00-0599	EA	10' Pinus nigra - Austrian Pine	370.19	
32 93 43 00-0600	EA	12' Pinus nigra - Austrian Pine	419.09	
32 93 43 00-0601	EA	14' Pinus nigra - Austrian Pine	467.98	
32 93 43 00-0602	EA	16' Pinus nigra - Austrian Pine	530.84	
32 93 43 00-0603	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.26	
32 93 43 00-0604	EA	3 Gallon Podocarpus - Chinese Podocarpus	7.56	
32 93 43 00-0605	EA	7 Gallon Podocarpus - Chinese Podocarpus	21.85	
32 93 43 00-0606	EA	15 Gallon Podocarpus - Chinese Podocarpus	35.51	
32 93 43 00-0607	EA	4' To 5' Podocarpus - Chinese Podocarpus	54.63	
32 93 43 00-0608	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	68.29	
32 93 43 00-0609	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	92.19	
32 93 43 00-0610	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	112.67	
32 93 43 00-0611	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	13.17	
32 93 43 00-0612	EA	3' To 4' Thuja occidentalis ' Woodwadrii' - Woodward Arborvitae	24.65	
32 93 43 00-0613	EA	4' Metrosideros excelsus - New Zealand Christmas Tree	99.60	
32 93 43 00-0614	EA	5' Metrosideros excelsus - New Zealand Christmas Tree	134.95	
32 93 43 00-0615	EA	6' Metrosideros excelsus - New Zealand Christmas Tree	229.73	
32 93 43 00-0616	EA	8' Metrosideros excelsus - New Zealand Christmas Tree	284.35	
32 93 43 00-0617	EA	24" Box Metrosideros excelsus - New Zealand Christmas Tree	189.20	
32 93 43 00-0618	EA	6' Cedrus decurrens - Incese Cedar	117.27	
32 93 43 00-0619	EA	8' Cedrus decurrens - Incese Cedar	242.58	
32 93 43 00-0620	EA	10' Cedrus decurrens - Incese Cedar	321.30	
32 93 43 00-0621	EA	12' Cedrus decurrens - Incese Cedar	425.72	
32 93 43 00-0622	EA	6' Pinus canariensis - Canary Island Pine	385.56	
32 93 43 00-0623	EA	8' Pinus canariensis - Canary Island Pine	514.08	
32 93 43 00-0624	EA	10' Pinus canariensis - Canary Island Pine	642.60	
32 93 43 00-0625	EA	12' Pinus canariensis - Canary Island Pine	771.12	
32 93 43 00-0626	EA	24" Box Pinus canariensis - Canary Island Pine	396.81	
32 93 43 00-0627	EA	6' Pinus pinea - Italian Stone Pine	385.56	
32 93 43 00-0628	EA	8' Pinus pinea - Italian Stone Pine	514.08	
32 93 43 00-0629	EA	10' Pinus pinea - Italian Stone Pine	642.60	
32 93 43 00-0630	EA	12' Pinus pinea - Italian Stone Pine	771.12	
32 93 43 00-0631	EA	6' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	401.62	
32 93 43 00-0632	EA	8' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	530.14	
32 93 43 00-0633	EA	10' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	674.73	
32 93 43 00-0634	EA	12' Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	803.25	
32 93 43 00-0635	EA	24" Box Afrocarpus falcatus (Podocarpus gracilior) - African Fern Pine	187.96	
32 93 43 00-0636	EA	6' Melaleuca linariifolia - Flaxleaf Paperbark	337.36	
32 93 43 00-0637	EA	8' Melaleuca linariifolia - Flaxleaf Paperbark	449.82	
32 93 43 00-0638	EA	10' Melaleuca linariifolia - Flaxleaf Paperbark	562.28	
32 93 43 00-0639	EA	12' Melaleuca linariifolia - Flaxleaf Paperbark	674.73	
32 93 43 00-0640	EA	24" Box Melaleuca linariifolia - Flaxleaf Paperbark	334.15	
32 93 43 00-0641	EA	6' Melaleuca quinquenervia - Cajeput Tree	337.36	
32 93 43 00-0642	EA	8' Melaleuca quinquenervia - Cajeput Tree	449.82	
32 93 43 00-0643	EA	10' Melaleuca quinquenervia - Cajeput Tree	562.28	
32 93 43 00-0644	EA	12' Melaleuca quinquenervia - Cajeput Tree	674.73	
32 93 43 00-0645	EA	24" Box Melaleuca quinquenervia - Cajeput Tree	187.96	
32 93 43 00-0646	EA	30" Box Melaleuca quinquenervia - Cajeput Tree	473.92	
32 93 43 00-0647	EA	36" Box Melaleuca quinquenervia - Cajeput Tree	747.02	
32 93 43 00-0648	EA	6' Pittosporum undulatum - Victorian Box	212.06	
32 93 43 00-0649	EA	8' Pittosporum undulatum - Victorian Box	335.76	
32 93 43 00-0650	EA	10' Pittosporum undulatum - Victorian Box	441.79	
32 93 43 00-0651	EA	1 Gallon Podocarpus macrophyllus - Yew Pine	7.47	
32 93 43 00-0652	EA	3 Gallon Podocarpus macrophyllus - Yew Pine	17.51	
32 93 43 00-0653	EA	5 Gallon Podocarpus macrophyllus - Yew Pine	22.97	
32 93 43 00-0654	EA	15 Gallon Podocarpus macrophyllus - Yew Pine	99.60	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0655	EA	24" Box Podocarpus macrophyllus - Yew Pine	192.78	
32 93 43 00-0656	EA	24" Box Rhus lancea - African Sumac	198.40	
32 93 43 00-0657	EA	30" Box Rhus lancea - African Sumac	321.30	
32 93 43 00-0658	EA	8' Rhus lancea - African Sumac	481.95	
32 93 43 00-0659	EA	10' Rhus lancea - African Sumac	538.18	
32 93 43 00-0660	EA	12' Rhus lancea - African Sumac	642.60	
32 93 43 00-0661		**Palm And Subtropical Trees** *(32 93 43)* Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.		
32 93 43 00-0662	EA	4' To 5' Archontophoenix cunninghamiana - King Palm	107.48	
32 93 43 00-0663	EA	6' To 8' Archontophoenix cunninghamiana - King Palm	167.20	
32 93 43 00-0664	EA	8' To 10' Archontophoenix cunninghamiana - King Palm	214.97	
32 93 43 00-0665	EA	10' To 12' Archontophoenix cunninghamiana - King Palm	286.62	
32 93 43 00-0666	EA	10' To 16' Sabal palmetto - Cabbage Palm	167.90	
32 93 43 00-0667	EA	12' To 16' Cocos nucifera - Coconut Palm	457.88	
32 93 43 00-0668	EA	3' To 4' Chamaedorea radicalis - Dwarf Bamboo Palm	228.00	
32 93 43 00-0669	EA	5' To 6' Chamaedorea radicalis - Dwarf Bamboo Palm	358.28	
32 93 43 00-0670	EA	3' To 4' Chamaerops humilis - European Fan Palm	195.43	
32 93 43 00-0671	EA	5' To 6' Chamaerops humilis - European Fan Palm	260.57	
32 93 43 00-0672	EA	7' To 8' Chamaerops humilis - European Fan Palm	607.99	
32 93 43 00-0673	EA	9' To 10' Chamaerops humilis - European Fan Palm	1,042.27	
32 93 43 00-0674	EA	6' To 7' Thrinax morrisii - Key Thatch Palm	455.99	
32 93 43 00-0675	EA	8' To 9' Thrinax morrisii - Key Thatch Palm	586.28	
32 93 43 00-0676	EA	10' To 11' Thrinax morrisii - Key Thatch Palm	716.56	
32 93 43 00-0677	EA	4' To 5' Rhapis excelsa - Lady Palm	412.57	
32 93 43 00-0678	EA	6' To 7' Rhapis excelsa - Lady Palm	586.28	
32 93 43 00-0679	EA	6' To 7' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	152.00	
32 93 43 00-0680	EA	8' To 10' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	304.00	
32 93 43 00-0681	EA	10' To 12' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	390.85	
32 93 43 00-0682	EA	12' To 14' Cocos nucifera 'Jamaican Maypan' - Maypan Coconut	542.85	
32 93 43 00-0683	EA	4' To 5' Arecastrum romanzoffianum - Queen Palm	81.43	
32 93 43 00-0684	EA	6' To 8' Arecastrum romanzoffianum - Queen Palm	114.00	
32 93 43 00-0685	EA	8' To 10' Arecastrum romanzoffianum - Queen Palm	146.57	
32 93 43 00-0686	EA	10' To 12' Arecastrum romanzoffianum - Queen Palm	179.14	
32 93 43 00-0687	EA	12' To 14' Arecastrum romanzoffianum - Queen Palm	217.14	
32 93 43 00-0688	EA	14' To 16' Arecastrum romanzoffianum - Queen Palm	271.42	
32 93 43 00-0689	EA	8' To 9' Roystonea regia - Royal Palm	332.22	
32 93 43 00-0690	EA	10' To 11' Roystonea regia - Royal Palm	406.05	
32 93 43 00-0691	EA	12' To 13' Roystonea regia - Royal Palm	479.88	
32 93 43 00-0692	EA	14' To 15' Roystonea regia - Royal Palm	553.71	
32 93 43 00-0693	EA	16' To 17' Roystonea regia - Royal Palm	627.53	
32 93 43 00-0694	EA	18' To 19' Roystonea regia - Royal Palm	701.36	
32 93 43 00-0695	EA	20' To 21' Roystonea regia - Royal Palm	775.19	
32 93 43 00-0696	EA	10' Callistemon citrinus - Crimson or Lemon Bottle Brush	591.26	
32 93 43 00-0697	EA	6' Eriobotrya deflexa - Bronze Loquat	586.28	
32 93 43 00-0698	EA	8' Eriobotrya deflexa - Bronze Loquat	781.70	
32 93 43 00-0699	EA	10' Eriobotrya deflexa - Bronze Loquat	977.13	
32 93 43 00-0700	EA	6' Eucalyptus erythrocorys - Red Cap Gum	586.28	
32 93 43 00-0701	EA	8' Eucalyptus erythrocorys - Red Cap Gum	781.70	
32 93 43 00-0702	EA	10' Eucalyptus erythrocorys - Red Cap Gum	977.13	
32 93 43 00-0703	EA	6' Eucalyptus torquala - Coral Gum	586.28	
32 93 43 00-0704	EA	8' Eucalyptus torquala - Coral Gum	781.70	
32 93 43 00-0705	EA	10' Eucalyptus torquala - Coral Gum	977.13	
32 93 43 00-0706	EA	8' Fraxinus oxycarpa "Raywood" - Raywood Ash	367.89	
32 93 43 00-0707	EA	10' Fraxinus oxycarpa "Raywood" - Raywood Ash	499.28	
32 93 43 00-0708	EA	12' Fraxinus oxycarpa "Raywood" - Raywood Ash	617.53	
32 93 43 00-0709	EA	1 Gallon Washingtonia robusta - Mexican Fan Palm	9.30	
32 93 43 00-0710	EA	5 Gallon Washingtonia robusta - Mexican Fan Palm	28.94	
32 93 43 00-0711	EA	15 Gallon Washingtonia robusta - Mexican Fan Palm	101.31	
32 93 43 00-0712	EA	24" Box Washingtonia robusta - Mexican Fan Palm	330.80	
32 93 43 00-0713	EA	36" Box Washingtonia robusta - Mexican Fan Palm	878.69	
32 93 43 00-0714	EA	6' Washingtonia robusta - Mexican Fan Palm	586.28	
32 93 43 00-0715	EA	8' Washingtonia robusta - Mexican Fan Palm	781.70	
32 93 43 00-0716	EA	10' Washingtonia robusta - Mexican Fan Palm	977.13	
32 93 43 00-0717	EA	12' Washingtonia robusta - Mexican Fan Palm	1,172.56	
32 93 43 00-0718	EA	6' Olea europaea - Olive "Fruitless"	433.76	
32 93 43 00-0719	EA	8' Olea europaea - Olive "Fruitless"	578.34	
32 93 43 00-0720	EA	10' Olea europaea - Olive "Fruitless"	722.92	
32 93 43 00-0721	EA	12' Olea europaea - Olive "Fruitless"	867.51	
32 93 43 00-0722	EA	6' Eucalyptus polyanthemos - Silver Dollar Gum	586.28	
32 93 43 00-0723	EA	9' Ptychosperma elegans - Alexander Palm, Solitaire Palm	162.86	
32 93 43 00-0724	EA	11' Ptychosperma elegans - Alexander Palm, Solitaire Palm	271.42	
32 93 43 00-0725	EA	15' Ptychosperma elegans - Alexander Palm, Solitaire Palm	412.57	
32 93 43 00-0726	EA	17' Ptychosperma elegans - Alexander Palm, Solitaire Palm	466.85	
32 93 43 00-0727	EA	20' Ptychosperma elegans - Alexander Palm, Solitaire Palm	542.85	
32 93 43 00-0728	EA	4' To 5' Bauninia blakeana - Hong Kong Orchid	466.85	
32 93 43 00-0729	EA	6' Bauninia blakeana - Hong Kong Orchid	553.71	
32 93 43 00-0730	EA	8' Bauninia blakeana - Hong Kong Orchid	738.28	
32 93 43 00-0731	EA	10' Bauninia blakeana - Hong Kong Orchid	922.84	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0732	EA	4' To 5' Acacia baileyana - Bailey Acacia	262.78	
32 93 43 00-0733	EA	6' Acacia baileyana - Bailey Acacia	315.34	
32 93 43 00-0734	EA	8' Acacia baileyana - Bailey Acacia	367.89	
32 93 43 00-0735	EA	10' Acacia baileyana - Bailey Acacia	459.86	
32 93 43 00-0736	EA	6' Agonis flexuosa - Peppermint Tree	157.67	
32 93 43 00-0737	EA	8' Agonis flexuosa - Peppermint Tree	197.08	
32 93 43 00-0738	EA	10' Agonis flexuosa - Peppermint Tree	236.50	
32 93 43 00-0739	EA	24" Box Agonis flexuosa - Peppermint Tree	196.43	
32 93 43 00-0740	EA	6' Bauhinia purpurea - Purple Orchid Tree	586.28	
32 93 43 00-0741	EA	8' Bauhinia purpurea - Purple Orchid Tree	781.70	
32 93 43 00-0742	EA	10' Bauhinia purpurea - Purple Orchid Tree	977.13	
32 93 43 00-0743	EA	24" Box Bauhinia purpurea - Purple Orchid Tree	254.05	
32 93 43 00-0744	EA	6' Bauhinia variegata candida - White Orchid Tree	651.42	
32 93 43 00-0745	EA	8' Bauhinia variegata candida - White Orchid Tree	868.56	
32 93 43 00-0746	EA	10' Bauhinia variegata candida - White Orchid Tree	1,085.70	
32 93 43 00-0747	EA	6' Callistemon citrinus - Crimson or Lemon Bottle Brush	354.75	
32 93 43 00-0748	EA	8' Callistemon citrinus - Crimson or Lemon Bottle Brush	473.00	
32 93 43 00-0749	EA	24" Box Olea europaea - Olive "Fruitless"	533.36	
32 93 43 00-0750	EA	8' Eucalyptus polyanthemos - Silver Dollar Gum	781.70	
32 93 43 00-0751	EA	10' Eucalyptus polyanthemos - Silver Dollar Gum	977.13	
32 93 43 00-0752	EA	6' Eucalyptus leucoxylon - White Ironbark	586.28	
32 93 43 00-0753	EA	8' Eucalyptus leucoxylon - White Ironbark	781.70	
32 93 43 00-0754	EA	10' Eucalyptus leucoxylon - White Ironbark	977.13	
32 93 43 00-0755	EA	12' Eucalyptus leucoxylon - White Ironbark	1,172.56	
32 93 43 00-0756	EA	6' Callistemon viminalis - Weeping Bottle Brush	354.75	
32 93 43 00-0757	EA	8' Callistemon viminalis - Weeping Bottle Brush	473.00	
32 93 43 00-0758	EA	10' Callistemon viminalis - Weeping Bottle Brush	591.26	
32 93 43 00-0759	EA	12' Callistemon viminalis - Weeping Bottle Brush	709.51	
32 93 43 00-0760	EA	6' Eucalyptus gunnii - Cider Gum	586.28	
32 93 43 00-0761	EA	8' Eucalyptus gunnii - Cider Gum	781.70	
32 93 43 00-0762	EA	10' Eucalyptus gunnii - Cider Gum	977.13	
32 93 43 00-0763	EA	6' Jacarandra acutifolia - Jacaranda	586.28	
32 93 43 00-0764	EA	8' Jacarandra acutifolia - Jacaranda	781.70	
32 93 43 00-0765	EA	10' Jacarandra acutifolia - Jacaranda	977.13	
32 93 43 00-0766	EA	24" Box Jacarandra acutifolia - Jacaranda	254.05	
32 93 43 00-0767	EA	5 Gallon Phoenix roebelenii - Pygmy Date Palm	34.30	
32 93 43 00-0768	EA	7 Gallon Phoenix roebelenii - Pygmy Date Palm	83.62	
32 93 43 00-0769	EA	15 Gallon Phoenix roebelenii - Pygmy Date Palm	126.50	
32 93 43 00-0770	EA	24" Box Phoenix roebelenii - Pygmy Date Palm	375.20	
32 93 43 00-0771	EA	5 Gallon Pistacia chinensis - Chinese Pistache	39.09	
32 93 43 00-0772	EA	15 Gallon Pistacia chinensis - Chinese Pistache	130.28	
32 93 43 00-0773	EA	24" Box Pistacia chinensis - Chinese Pistache	505.94	
32 93 43 00-0774	EA	36" Box Pistacia chinensis - Chinese Pistache	1,346.27	
32 93 43 00-0775	EA	48" Box Pistacia chinensis - Chinese Pistache	2,866.25	
32 93 43 00-0776	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Single	24.44	
32 93 43 00-0777	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Single	81.46	
32 93 43 00-0778	EA	24" Box Pyrus kawakamii - Evergreen Pear, Single	306.14	
32 93 43 00-0779	EA	30" Box Pyrus kawakamii - Evergreen Pear, Single	559.72	
32 93 43 00-0780	EA	36" Box Pyrus kawakamii - Evergreen Pear, Single	814.62	
32 93 43 00-0781	EA	5 Gallon Pyrus kawakamii - Evergreen Pear, Multi	24.44	
32 93 43 00-0782	EA	15 Gallon Pyrus kawakamii - Evergreen Pear, Multi	86.72	
32 93 43 00-0783	EA	24" Box Pyrus kawakamii - Evergreen Pear, Multi	315.34	
32 93 43 00-0784	EA	30" Box Pyrus kawakamii - Evergreen Pear, Multi	559.72	
32 93 43 00-0785	EA	36" Box Pyrus kawakamii - Evergreen Pear, Multi	814.62	

32 93 83 Planting of Trees, Shrubs and Ground Cover *(32 93)*

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

32 93 83 00-0001 Planting Trees *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA	3" To 5" Bare Root Seedlings Tree Planting	1.44	
32 93 83 00-0003	EA	6" To 10" Bare Root Seedlings Tree Planting	2.31	
32 93 83 00-0004	EA	11" To 16" Bare Root Seedlings Tree Planting	2.89	
32 93 83 00-0005	EA	17" To 24" Bare Root Seedlings Tree Planting	4.62	
32 93 83 00-0006	EA	1 Gallon Container Tree Planting	23.10	
		For >10 To 25, Deduct	*-1.16*	
		For >25 To 50, Deduct	*-2.89*	
		For >50 To 100, Deduct	*-4.62*	
		For >100, Deduct	*-6.93*	
32 93 83 00-0007	EA	2 Gallon Container Tree Planting	32.33	
		For >10 To 25, Deduct	*-1.62*	
		For >25 To 50, Deduct	*-4.04*	
		For >50 To 100, Deduct	*-6.47*	
		For >100, Deduct	*-9.70*	
32 93 83 00-0008	EA	3 Gallon Container Tree Planting	41.57	
		For >10 To 25, Deduct	*-2.08*	
		For >25 To 50, Deduct	*-5.20*	
		For >50 To 100, Deduct	*-8.31*	
		For >100, Deduct	*-12.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0009	EA	5 Gallon Container Tree Planting	69.29	
		For >10 To 25, Deduct	*-3.46*	
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-13.86*	
		For >100, Deduct	*-20.79*	
32 93 83 00-0010	EA	7 Gallon Container Tree Planting	92.38	
		For >10 To 25, Deduct	*-4.62*	
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-27.71*	
32 93 83 00-0011	EA	10 Gallon Container Tree Planting	120.10	
		For >10 To 25, Deduct	*-6.01*	
		For >25 To 50, Deduct	*-15.01*	
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-36.03*	
32 93 83 00-0012	EA	15 Gallon Container Tree Planting	170.91	
		For >10 To 25, Deduct	*-8.55*	
		For >25 To 50, Deduct	*-21.36*	
		For >50 To 100, Deduct	*-34.18*	
		For >100, Deduct	*-51.27*	
32 93 83 00-0013	EA	20 Gallon Container Tree Planting	281.77	
		For >10 To 25, Deduct	*-14.09*	
		For >25 To 50, Deduct	*-35.22*	
		For >50 To 100, Deduct	*-56.35*	
		For >100, Deduct	*-84.53*	
32 93 83 00-0014	EA	25 Gallon Container Tree Planting	364.92	
		For >10 To 25, Deduct	*-18.25*	
		For >25 To 50, Deduct	*-45.62*	
		For >50 To 100, Deduct	*-72.98*	
		For >100, Deduct	*-109.48*	
32 93 83 00-0015	EA	30 Gallon Container Tree Planting	438.82	
		For >10 To 25, Deduct	*-21.94*	
		For >25 To 50, Deduct	*-54.85*	
		For >50 To 100, Deduct	*-87.76*	
		For >100, Deduct	*-131.65*	
32 93 83 00-0016	EA	45 Gallon Container Tree Planting	545.07	
		For >10 To 25, Deduct	*-27.25*	
		For >25 To 50, Deduct	*-68.13*	
		For >50 To 100, Deduct	*-109.01*	
		For >100, Deduct	*-163.52*	
32 93 83 00-0017	EA	65 Gallon Container Tree Planting	646.69	
		For >10 To 25, Deduct	*-32.33*	
		For >25 To 50, Deduct	*-80.84*	
		For >50 To 100, Deduct	*-129.34*	
		For >100, Deduct	*-194.01*	
32 93 83 00-0018	EA	6' Balled And Burlapped Tree Planting	230.97	
		For >10 To 25, Deduct	*-11.55*	
		For >25 To 50, Deduct	*-28.87*	
		For >50 To 100, Deduct	*-46.19*	
		For >100, Deduct	*-69.29*	
32 93 83 00-0019	EA	7' Balled And Burlapped Tree Planting	307.64	
		For >10 To 25, Deduct	*-15.38*	
		For >25 To 50, Deduct	*-38.46*	
		For >50 To 100, Deduct	*-61.53*	
		For >100, Deduct	*-92.29*	
32 93 83 00-0020	EA	8' Balled And Burlapped Tree Planting	346.44	
		For >10 To 25, Deduct	*-17.32*	
		For >25 To 50, Deduct	*-43.31*	
		For >50 To 100, Deduct	*-69.29*	
		For >100, Deduct	*-103.93*	
32 93 83 00-0021	EA	10' Balled And Burlapped Tree Planting	404.19	
		For >10 To 25, Deduct	*-20.21*	
		For >25 To 50, Deduct	*-50.52*	
		For >50 To 100, Deduct	*-80.84*	
		For >100, Deduct	*-121.26*	
32 93 83 00-0022	EA	12' Balled And Burlapped Tree Planting	540.45	
		For >10 To 25, Deduct	*-27.02*	
		For >25 To 50, Deduct	*-67.56*	
		For >50 To 100, Deduct	*-108.09*	
		For >100, Deduct	*-162.14*	
32 93 83 00-0023	EA	14' Balled And Burlapped Tree Planting	618.98	
		For >10 To 25, Deduct	*-30.95*	
		For >25 To 50, Deduct	*-77.37*	
		For >50 To 100, Deduct	*-123.80*	
		For >100, Deduct	*-185.69*	
32 93 83 00-0024	EA	16' Balled And Burlapped Tree Planting	750.63	
		For >10 To 25, Deduct	*-37.53*	
		For >25 To 50, Deduct	*-93.83*	
		For >50 To 100, Deduct	*-150.13*	
		For >100, Deduct	*-225.19*	
32 93 83 00-0025	EA	18' Balled And Burlapped Tree Planting	900.76	
		For >10 To 25, Deduct	*-45.04*	
		For >25 To 50, Deduct	*-112.60*	
		For >50 To 100, Deduct	*-180.15*	
		For >100, Deduct	*-270.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0026	EA	20' Balled And Burlapped Tree Planting	1,039.33	
		For >10 To 25, Deduct	*-51.97*	
		For >25 To 50, Deduct	*-129.92*	
		For >50 To 100, Deduct	*-207.87*	
		For >100, Deduct	*-311.80*	
32 93 83 00-0027	EA	1-1/2" Caliper Balled And Burlapped Tree Planting	346.44	
		For >10 To 25, Deduct	*-17.32*	
		For >25 To 50, Deduct	*-43.31*	
		For >50 To 100, Deduct	*-69.29*	
		For >100, Deduct	*-103.93*	
32 93 83 00-0028	EA	2" Caliper Balled And Burlapped Tree Planting	404.19	
		For >10 To 25, Deduct	*-20.21*	
		For >25 To 50, Deduct	*-50.52*	
		For >50 To 100, Deduct	*-80.84*	
		For >100, Deduct	*-121.26*	
32 93 83 00-0029	EA	2-1/2" Caliper Balled And Burlapped Tree Planting	542.76	
		For >10 To 25, Deduct	*-27.14*	
		For >25 To 50, Deduct	*-67.85*	
		For >50 To 100, Deduct	*-108.55*	
		For >100, Deduct	*-162.83*	
32 93 83 00-0030	EA	3" Caliper Balled And Burlapped Tree Planting	623.60	
		For >10 To 25, Deduct	*-31.18*	
		For >25 To 50, Deduct	*-77.95*	
		For >50 To 100, Deduct	*-124.72*	
		For >100, Deduct	*-187.08*	
32 93 83 00-0031	EA	3-1/2" Caliper Balled And Burlapped Tree Planting	692.89	
		For >10 To 25, Deduct	*-34.64*	
		For >25 To 50, Deduct	*-86.61*	
		For >50 To 100, Deduct	*-138.58*	
		For >100, Deduct	*-207.87*	
32 93 83 00-0032	EA	4" Caliper Balled And Burlapped Tree Planting	794.50	
		For >10 To 25, Deduct	*-39.73*	
		For >25 To 50, Deduct	*-99.31*	
		For >50 To 100, Deduct	*-158.90*	
		For >100, Deduct	*-238.35*	

32 93 83 00-0033 Planting Shrubs *(32 93 83)*

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0034	EA	1 Gallon Container Shrub Planting	19.64	
		For >10 To 25, Deduct	*-0.98*	
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-3.93*	
		For >100, Deduct	*-5.89*	
32 93 83 00-0035	EA	2 Gallon Container Shrub Planting	27.71	
		For >10 To 25, Deduct	*-1.39*	
		For >25 To 50, Deduct	*-3.46*	
		For >50 To 100, Deduct	*-5.54*	
		For >100, Deduct	*-8.31*	
32 93 83 00-0036	EA	3 Gallon Container Shrub Planting	34.65	
		For >10 To 25, Deduct	*-1.73*	
		For >25 To 50, Deduct	*-4.33*	
		For >50 To 100, Deduct	*-6.93*	
		For >100, Deduct	*-10.40*	
32 93 83 00-0037	EA	4 Gallon Container Shrub Planting	46.20	
		For >10 To 25, Deduct	*-2.31*	
		For >25 To 50, Deduct	*-5.78*	
		For >50 To 100, Deduct	*-9.24*	
		For >100, Deduct	*-13.86*	
32 93 83 00-0038	EA	5 Gallon Container Shrub Planting	57.74	
		For >10 To 25, Deduct	*-2.89*	
		For >25 To 50, Deduct	*-7.22*	
		For >50 To 100, Deduct	*-11.55*	
		For >100, Deduct	*-17.32*	
32 93 83 00-0039	EA	7 Gallon Container Shrub Planting	78.53	
		For >10 To 25, Deduct	*-3.93*	
		For >25 To 50, Deduct	*-9.82*	
		For >50 To 100, Deduct	*-15.71*	
		For >100, Deduct	*-23.56*	
32 93 83 00-0040	EA	10 Gallon Container Shrub Planting	103.93	
		For >10 To 25, Deduct	*-5.20*	
		For >25 To 50, Deduct	*-12.99*	
		For >50 To 100, Deduct	*-20.79*	
		For >100, Deduct	*-31.18*	
32 93 83 00-0041	EA	15 Gallon Container Shrub Planting	143.20	
		For >10 To 25, Deduct	*-7.16*	
		For >25 To 50, Deduct	*-17.90*	
		For >50 To 100, Deduct	*-28.64*	
		For >100, Deduct	*-42.96*	
32 93 83 00-0042	EA	20 Gallon Container Shrub Planting	240.20	
		For >10 To 25, Deduct	*-12.01*	
		For >25 To 50, Deduct	*-30.03*	
		For >50 To 100, Deduct	*-48.04*	
		For >100, Deduct	*-72.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0043	EA	25 Gallon Container Shrub Planting	307.64	
		For >10 To 25, Deduct	*-15.38*	
		For >25 To 50, Deduct	*-38.46*	
		For >50 To 100, Deduct	*-61.53*	
		For >100, Deduct	*-92.29*	
32 93 83 00-0044	EA	15" Balled And Burlapped Shrub Planting	64.67	
		For >10 To 25, Deduct	*-3.23*	
		For >25 To 50, Deduct	*-8.08*	
		For >50 To 100, Deduct	*-12.93*	
		For >100, Deduct	*-19.40*	
32 93 83 00-0045	EA	18" Balled And Burlapped Shrub Planting	66.98	
		For >10 To 25, Deduct	*-3.35*	
		For >25 To 50, Deduct	*-8.37*	
		For >50 To 100, Deduct	*-13.40*	
		For >100, Deduct	*-20.09*	
32 93 83 00-0046	EA	24" Balled And Burlapped Shrub Planting	73.91	
		For >10 To 25, Deduct	*-3.70*	
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-14.78*	
		For >100, Deduct	*-22.17*	
32 93 83 00-0047	EA	30" Balled And Burlapped Shrub Planting	73.91	
		For >10 To 25, Deduct	*-3.70*	
		For >25 To 50, Deduct	*-9.24*	
		For >50 To 100, Deduct	*-14.78*	
		For >100, Deduct	*-22.17*	
32 93 83 00-0048	EA	36" Balled And Burlapped Shrub Planting	80.84	
		For >10 To 25, Deduct	*-4.04*	
		For >25 To 50, Deduct	*-10.11*	
		For >50 To 100, Deduct	*-16.17*	
		For >100, Deduct	*-24.25*	
32 93 83 00-0049	EA	42" Balled And Burlapped Shrub Planting	85.45	
		For >10 To 25, Deduct	*-4.27*	
		For >25 To 50, Deduct	*-10.68*	
		For >50 To 100, Deduct	*-17.09*	
		For >100, Deduct	*-25.64*	
32 93 83 00-0050	EA	48" Balled And Burlapped Shrub Planting	92.38	
		For >10 To 25, Deduct	*-4.62*	
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-18.48*	
		For >100, Deduct	*-27.71*	
32 93 83 00-0051	EA	5' Balled And Burlapped Shrub Planting	138.58	
		For >10 To 25, Deduct	*-6.93*	
		For >25 To 50, Deduct	*-17.32*	
		For >50 To 100, Deduct	*-27.72*	
		For >100, Deduct	*-41.57*	
32 93 83 00-0052	EA	6' Balled And Burlapped Shrub Planting	196.32	
		For >10 To 25, Deduct	*-9.82*	
		For >25 To 50, Deduct	*-24.54*	
		For >50 To 100, Deduct	*-39.26*	
		For >100, Deduct	*-58.90*	
32 93 83 00-0053	EA	7' Balled And Burlapped Shrub Planting	260.99	
		For >10 To 25, Deduct	*-13.05*	
		For >25 To 50, Deduct	*-32.62*	
		For >50 To 100, Deduct	*-52.20*	
		For >100, Deduct	*-78.30*	
32 93 83 00-0054	EA	8' Balled And Burlapped Shrub Planting	295.63	
		For >10 To 25, Deduct	*-14.78*	
		For >25 To 50, Deduct	*-36.95*	
		For >50 To 100, Deduct	*-59.13*	
		For >100, Deduct	*-88.69*	
32 93 83 00-0055	EA	9' Balled And Burlapped Shrub Planting	318.73	
		For >10 To 25, Deduct	*-15.94*	
		For >25 To 50, Deduct	*-39.84*	
		For >50 To 100, Deduct	*-63.75*	
		For >100, Deduct	*-95.62*	
32 93 83 00-0056	EA	10' Balled And Burlapped Shrub Planting	346.44	
		For >10 To 25, Deduct	*-17.32*	
		For >25 To 50, Deduct	*-43.31*	
		For >50 To 100, Deduct	*-69.29*	
		For >100, Deduct	*-103.93*	

32 93 83 00-0057 Planting Groundcover, Vines, Perennials, Annuals And Bulbs *(32 93 83)*

See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0058	EA	2-1/4" Diameter Potted Groundcover And Flower Planting	1.93	
		For >10 To 25, Deduct	*-0.10*	
		For >25 To 50, Deduct	*-0.24*	
		For >50 To 100, Deduct	*-0.39*	
		For >100, Deduct	*-0.58*	
32 93 83 00-0059	EA	3" Diameter Potted Groundcover And Flower Planting	2.20	
		For >10 To 25, Deduct	*-0.11*	
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-0.44*	
		For >100, Deduct	*-0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0060	EA	4" Diameter Potted Groundcover And Flower Planting	2.57	
		For >10 To 25, Deduct	*-0.13*	
		For >25 To 50, Deduct	*-0.32*	
		For >50 To 100, Deduct	*-0.51*	
		For >100, Deduct	*-0.77*	
32 93 83 00-0061	EA	5-1/2" Diameter Potted Groundcover And Flower Planting	3.08	
		For >10 To 25, Deduct	*-0.15*	
		For >25 To 50, Deduct	*-0.39*	
		For >50 To 100, Deduct	*-0.62*	
		For >100, Deduct	*-0.92*	
32 93 83 00-0062	EA	6" Diameter Potted Groundcover And Flower Planting	3.85	
		For >10 To 25, Deduct	*-0.19*	
		For >25 To 50, Deduct	*-0.48*	
		For >50 To 100, Deduct	*-0.77*	
		For >100, Deduct	*-1.16*	
32 93 83 00-0063	EA	8" Diameter Potted Groundcover And Flower Planting	5.77	
		For >10 To 25, Deduct	*-0.29*	
		For >25 To 50, Deduct	*-0.72*	
		For >50 To 100, Deduct	*-1.15*	
		For >100, Deduct	*-1.73*	
32 93 83 00-0064	EA	1 Gallon Container Groundcover And Flower Planting	18.47	
		For >10 To 25, Deduct	*-0.92*	
		For >25 To 50, Deduct	*-2.31*	
		For >50 To 100, Deduct	*-3.69*	
		For >100, Deduct	*-5.54*	
32 93 83 00-0065	EA	2 Gallon Container Groundcover And Flower Planting	25.41	
		For >10 To 25, Deduct	*-1.27*	
		For >25 To 50, Deduct	*-3.18*	
		For >50 To 100, Deduct	*-5.08*	
		For >100, Deduct	*-7.62*	
32 93 83 00-0066	EA	3 Gallon Container Groundcover And Flower Planting	32.33	
		For >10 To 25, Deduct	*-1.62*	
		For >25 To 50, Deduct	*-4.04*	
		For >50 To 100, Deduct	*-6.47*	
		For >100, Deduct	*-9.70*	
32 93 83 00-0067	EA	4 Gallon Container Groundcover And Flower Planting	41.57	
		For >10 To 25, Deduct	*-2.08*	
		For >25 To 50, Deduct	*-5.20*	
		For >50 To 100, Deduct	*-8.31*	
		For >100, Deduct	*-12.47*	
32 93 83 00-0068	EA	5 Gallon Container Groundcover And Flower Planting	50.81	
		For >10 To 25, Deduct	*-2.54*	
		For >25 To 50, Deduct	*-6.35*	
		For >50 To 100, Deduct	*-10.16*	
		For >100, Deduct	*-15.24*	
32 93 83 00-0069	EA	7 Gallon Container Groundcover And Flower Planting	69.29	
		For >10 To 25, Deduct	*-3.46*	
		For >25 To 50, Deduct	*-8.66*	
		For >50 To 100, Deduct	*-13.86*	
		For >100, Deduct	*-20.79*	
32 93 83 00-0070	EA	Bulb Planting	1.15	
		For >10 To 25, Deduct	*-0.06*	
		For >25 To 50, Deduct	*-0.14*	
		For >50 To 100, Deduct	*-0.23*	
		For >100, Deduct	*-0.35*	
32 93 83 00-0071	EA	Flats Of 24 Groundcover And Flower Planting	32.34	
		For >10 To 25, Deduct	*-1.62*	
		For >25, Deduct	*-4.04*	
32 93 83 00-0072	EA	Flats Of 36 Groundcover And Flower Planting	45.87	
		For >10 To 25, Deduct	*-2.29*	
		For >25, Deduct	*-5.73*	
32 93 83 00-0073	EA	Flats Of 48 Groundcover And Flower Planting	61.06	
		For >10 To 25, Deduct	*-3.05*	
		For >25, Deduct	*-7.63*	

32 93 83 00-0074 Tree Pits *(32 93 83)*

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

32 93 83 00-0075	EA	2' x 1-1/4' Deep Tree Pit	130.16	
32 93 83 00-0076	EA	2' x 2-1/2' Deep Tree Pit	195.21	
32 93 83 00-0077	EA	2-1/2' x 1-1/2' Deep Tree Pit	252.21	
32 93 83 00-0078	EA	2-1/2' x 3' Deep Tree Pit	378.25	
32 93 83 00-0079	EA	3' x 1-3/4' Deep Tree Pit	389.17	
32 93 83 00-0080	EA	3' x 3-1/2' Deep Tree Pit	580.70	
32 93 83 00-0081	EA	3-1/2' x 1-3/4' Deep Tree Pit	476.80	
32 93 83 00-0082	EA	3-1/2' x 3-1/2' Deep Tree Pit	714.20	
32 93 83 00-0083	EA	4' x 2' Deep Tree Pit	569.89	
32 93 83 00-0084	EA	4' x 4' Deep Tree Pit	854.36	
32 93 83 00-0085	EA	4-1/2' x 2' Deep Tree Pit	820.25	
32 93 83 00-0086	EA	4-1/2' x 4' Deep Tree Pit	1,232.82	
32 93 83 00-0087	EA	5' x 2-1/4' Deep Tree Pit	1,091.04	
32 93 83 00-0088	EA	5' x 4-1/2' Deep Tree Pit	1,625.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 83 00-0089	EA	6' x 2-1/2' Deep Tree Pit	1,547.30	
32 93 83 00-0090	EA	6' x 5' Deep Tree Pit	2,317.48	
32 93 83 00-0091	EA	7' x 3' Deep Tree Pit	2,606.55	
32 93 83 00-0092	EA	7' x 6' Deep Tree Pit	3,930.84	
32 93 83 00-0093	EA	8' x 3-1/4' Deep Tree Pit	3,583.51	
32 93 83 00-0094	EA	8' x 6-1/2' Deep Tree Pit	5,372.96	

32 94 Planting Accessories *(32 90)*

32 94 13 Landscape Edging *(32 94)*

Note: Including stakes.

32 94 13 00-0001 Landscape Edging *(32 94 13)*

Note: Includes stakes.

32 94 13 00-0002	LF	6" Poly/Vinyl Landscape Edging With Non-Round Top	6.08	1.18
		For >2,000 To 5,000 LF, Deduct	*-0.37*	
		For >5,000 LF, Deduct	*-0.74*	
32 94 13 00-0003	LF	5" Polyethylene Landscape Edging With Round Top	3.53	1.18
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.23*	
32 94 13 00-0004	LF	5-1/2" Polyethylene Landscape Edging With Round Top	3.59	1.18
		For >2,000 To 5,000 LF, Deduct	*-0.12*	
		For >5,000 LF, Deduct	*-0.25*	
32 94 13 00-0005	LF	5" Polyethylene Landscape Edging With Corrugated Sides And Round Top	3.63	1.18
		For >2,000 To 5,000 LF, Deduct	*-0.13*	
		For >5,000 LF, Deduct	*-0.25*	
32 94 13 00-0006	LF	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging	10.34	2.80
		For >1,000 LF, Deduct	*-1.19*	
32 94 13 00-0007	LF	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging	11.32	2.80
		For >1,000 LF, Deduct	*-1.43*	
32 94 13 00-0008	LF	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging	11.39	2.80
		For >1,000 LF, Deduct	*-1.45*	
32 94 13 00-0009	LF	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging	13.09	2.89
		For >1,000 LF, Deduct	*-1.84*	
32 94 13 00-0010	LF	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging	14.30	2.89
		For >1,000 LF, Deduct	*-2.14*	
32 94 13 00-0011	LF	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging	14.28	2.89
		For >1,000 LF, Deduct	*-2.14*	
32 94 13 00-0012	LF	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	11.63	2.98
		For >1,000 LF, Deduct	*-1.43*	
32 94 13 00-0013	LF	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	12.98	2.98
		For >1,000 LF, Deduct	*-1.77*	
32 94 13 00-0014	LF	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	13.11	2.98
		For >1,000 LF, Deduct	*-1.80*	
32 94 13 00-0015	LF	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging	14.78	3.08
		For >1,000 LF, Deduct	*-2.18*	
32 94 13 00-0016	LF	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging	16.13	3.08
		For >1,000 LF, Deduct	*-2.52*	
32 94 13 00-0017	LF	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging	16.24	3.08
		For >1,000 LF, Deduct	*-2.55*	
32 94 13 00-0018	LF	1/8" x 4" Powder Coated Steel Landscape Edging	11.02	2.89
		For >1,000 LF, Deduct	*-1.31*	
32 94 13 00-0019	LF	3/16" x 4" Powder Coated Steel Landscape Edging	13.00	2.89
		For >1,000 LF, Deduct	*-1.80*	
32 94 13 00-0020	LF	1/4" x 5" Powder Coated Steel Landscape Edging	18.32	2.89
		For >1,000 LF, Deduct	*-3.13*	
32 94 13 00-0021	LF	1/2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	8.20	2.80
		For >1,000 LF, Deduct	*-0.65*	
32 94 13 00-0022	LF	1" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	9.38	2.80
		For >1,000 LF, Deduct	*-0.95*	
32 94 13 00-0023	LF	1" x 6", Recycled Plastic Landscape Edging (Bend-A-Board)	10.41	2.80
		For >1,000 LF, Deduct	*-1.21*	
32 94 13 00-0024	LF	2" x 4", Recycled Plastic Landscape Edging (Bend-A-Board)	10.63	2.80
		For >1,000 LF, Deduct	*-1.26*	

32 94 13 00-0025 Concrete Band, Cast In Place *(32 94 13)*

Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.

32 94 13 00-0026	LF	6" x 4" Concrete Band Note: Excludes base course.	20.07	10.21
		For Up To 20, Add	*12.02*	
		For >20 To 50, Add	*6.81*	
		For >50 To 100, Add	*2.61*	
		For >500 To 1,000, Deduct	*-2.61*	
		For >1,000, Deduct	*-4.41*	
32 94 13 00-0027	LF	6" x 6" Concrete Band Note: Excludes base course.	23.83	12.01
		For Up To 20, Add	*14.38*	
		For >20 To 50, Add	*8.15*	
		For >50 To 100, Add	*3.11*	
		For >500 To 1,000, Deduct	*-3.11*	
		For >1,000, Deduct	*-5.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 13 00-0028	LF	8" x 6" Concrete Band Note: Excludes base course.	27.40	138.16
		For Up To 20, Add	*16.60*	
		For >20 To 50, Add	*9.41*	
		For >50 To 100, Add	*3.59*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000, Deduct	*-6.07*	
32 94 13 00-0029	LF	10" x 6" Concrete Band Note: Excludes base course.	30.35	150.18
		For Up To 20, Add	*18.39*	
		For >20 To 50, Add	*10.42*	
		For >50 To 100, Add	*3.98*	
		For >500 To 1,000, Deduct	*-3.98*	
		For >1,000, Deduct	*-6.73*	
32 94 13 00-0030	LF	12" x 6" Concrete Band Note: Excludes base course.	31.52	15.62
		For Up To 20, Add	*18.92*	
		For >20 To 50, Add	*10.72*	
		For >50 To 100, Add	*4.10*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000, Deduct	*-6.94*	

32 94 16 Landscape Timbers *(32 94)*

32 94 16 00-0001	LF	1" x 4" Redwood Edging	5.77	1.93
32 94 16 00-0002	LF	2" x 4" Redwood Edging	7.92	2.90
32 94 16 00-0003	LF	4" x 6" Pressure Treated Hardwood	10.95	3.86
32 94 16 00-0004	LF	6" x 6" Pressure Treated Hardwood	14.24	4.83
32 94 16 00-0005	LF	6" x 8" Pressure Treated Hardwood	16.61	5.67
32 94 16 00-0006	LF	1" x 4" Pressure Treated Pine	4.40	1.93
32 94 16 00-0007	LF	2" x 4" Pressure Treated Pine	6.67	2.90
32 94 16 00-0008	LF	4" x 6" Pressure Treated Pine	10.41	3.74
32 94 16 00-0009	LF	6" x 6" Pressure Treated Pine	14.13	4.83
32 94 16 00-0010	LF	6" x 8" Pressure Treated Pine	17.25	5.67
32 94 16 00-0011	LF	6" x 8" Railroad Ties	16.60	5.45
32 94 16 00-0012	LF	7" x 9" Railroad Ties	20.01	6.84

32 94 23 Plant Protection *(32 94)*

32 94 23 00-0001	SF	Tree Trunk Protection - Hardware Cloth 1/4" Mesh, 23 Gauge	2.64	

32 94 43 Tree Grates *(32 94)*

32 94 43 00-0001 Tree Grates With Frames *(32 94 43)*

32 94 43 00-0002 Round Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0003	EA	32" Diameter, 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,101.29	72.20
32 94 43 00-0004	EA	36" Diameter, 125 To 175 Lb., Cast Iron Tree Grate With Frame	1,275.26	72.20
32 94 43 00-0005	EA	42" Diameter, 150 To 200 Lb., Cast Iron Tree Grate With Frame	1,540.86	96.27
32 94 43 00-0006	EA	48" Diameter, 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,919.52	96.27
32 94 43 00-0007	EA	54" Diameter, 300 To 350 Lb., Cast Iron Tree Grate With Frame	2,461.44	120.33
32 94 43 00-0008	EA	60" Diameter, Up To 350 Lb., Cast Iron Tree Grate With Frame	2,581.20	144.39
32 94 43 00-0009	EA	60" Diameter, >350 Lb., Cast Iron Tree Grate With Frame	2,844.72	144.39
32 94 43 00-0010	EA	72" Diameter, Up To 550 Lb., Cast Iron Tree Grate With Frame	3,786.33	204.57
32 94 43 00-0011	EA	72" Diameter, >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,939.84	204.57
32 94 43 00-0012	EA	72" Diameter, >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,067.77	204.57
32 94 43 00-0013	EA	72" Diameter, >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,170.11	204.57
32 94 43 00-0014	EA	72" Diameter, >700 Lb., Cast Iron Tree Grate With Frame	4,246.86	204.57
32 94 43 00-0015	EA	93" Diameter, 950 To 1,000 Lb., Cast Iron Tree Grate With Frame	4,656.79	240.66

32 94 43 00-0016 Square Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0017	EA	30" x 30", 75 To 125 Lb., Cast Iron Tree Grate With Frame	1,014.29	72.20
32 94 43 00-0018	EA	36" x 36", 100 To 150 Lb., Cast Iron Tree Grate With Frame	1,231.76	72.20
32 94 43 00-0019	EA	48" x 48", Up To 200 Lb., Cast Iron Tree Grate With Frame	1,826.93	120.33
32 94 43 00-0020	EA	48" x 48", >200 To 250 Lb., Cast Iron Tree Grate With Frame	2,159.54	120.33
32 94 43 00-0021	EA	48" x 48", >250 To 300 Lb., Cast Iron Tree Grate With Frame	2,466.56	120.33
32 94 43 00-0022	EA	48" x 48", >300 To 350 Lb., Cast Iron Tree Grate With Frame	2,747.99	120.33
32 94 43 00-0023	EA	48" x 48", >350 To 400 Lb., Cast Iron Tree Grate With Frame	3,003.84	120.33
32 94 43 00-0024	EA	48" x 48", >400 Lb., Cast Iron Tree Grate With Frame	3,234.10	120.33
32 94 43 00-0025	EA	60" x 60", Up To 400 Lb., Cast Iron Tree Grate With Frame	3,100.11	168.46
32 94 43 00-0026	EA	60" x 60", >400 To 450 Lb., Cast Iron Tree Grate With Frame	3,330.37	168.46
32 94 43 00-0027	EA	60" x 60", >450 To 500 Lb., Cast Iron Tree Grate With Frame	3,535.05	168.46
32 94 43 00-0028	EA	60" x 60", >500 To 550 Lb., Cast Iron Tree Grate With Frame	3,714.15	168.46
32 94 43 00-0029	EA	60" x 60", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,867.66	168.46
32 94 43 00-0030	EA	60" x 60", >600 Lb., Cast Iron Tree Grate With Frame	3,995.59	168.46
32 94 43 00-0031	EA	72" x 72", Up To 550 Lb., Cast Iron Tree Grate With Frame	3,786.33	204.57
32 94 43 00-0032	EA	72" x 72", >550 To 600 Lb., Cast Iron Tree Grate With Frame	3,939.84	204.57
32 94 43 00-0033	EA	72" x 72", >600 To 650 Lb., Cast Iron Tree Grate With Frame	4,067.77	204.57
32 94 43 00-0034	EA	72" x 72", >650 To 700 Lb., Cast Iron Tree Grate With Frame	4,170.11	204.57
32 94 43 00-0035	EA	72" x 72", >700 To 750 Lb., Cast Iron Tree Grate With Frame	4,246.86	204.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0036	EA	72" x 72", >750 To 800 Lb., Cast Iron Tree Grate With Frame	4,298.03	204.57
32 94 43 00-0037	EA	72" x 72", >800 To 850 Lb., Cast Iron Tree Grate With Frame	4,323.61	204.57
32 94 43 00-0038	EA	72" x 72", >850 Lb., Cast Iron Tree Grate With Frame	4,349.20	204.57

32 94 43 00-0039 Rectangular Cast Iron Tree Grates With Frames *(32 94 43 00-0001)*

32 94 43 00-0040	EA	36" x 48", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,919.52	96.27
32 94 43 00-0041	EA	36" x 60", 200 To 250 Lb., Cast Iron Tree Grate With Frame	1,957.89	96.27
32 94 43 00-0042	EA	36" x 72", 275 To 325 Lb., Cast Iron Tree Grate With Frame	2,392.36	120.33
32 94 43 00-0043	EA	48" x 72", Up To 350 Lb., Cast Iron Tree Grate With Frame	2,819.63	120.33
32 94 43 00-0044	EA	48" x 72", >350 Lb., Cast Iron Tree Grate With Frame	3,003.84	120.33
32 94 43 00-0045	EA	60" x 84", 700 To 750 Lb., Cast Iron Tree Grate With Frame	4,016.59	204.57

32 94 49 Plant and Tree Accessories *(32 94)*

32 94 49 00-0001 Tree Guying *(32 94 49)*

32 94 49 00-0002 Tree Guying, Stakes *(32 94 49 00-0001)*

Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.

32 94 49 00-0003	EA	Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap	25.41
32 94 49 00-0004	EA	Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap	45.13
32 94 49 00-0005	EA	Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap	77.60

32 94 49 00-0006 Tree Guying, Anchors *(32 94 49 00-0001)*

Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.

32 94 49 00-0007	EA	Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope	106.98
32 94 49 00-0008	EA	Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope	144.33
32 94 49 00-0009	EA	Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope	184.87
32 94 49 00-0010	EA	Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope	238.79

32 94 49 00-0011 Tree Wrap *(32 94 49)*

32 94 49 00-0012	EA	Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree	7.04
32 94 49 00-0013	EA	Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree	11.76
32 94 49 00-0014	EA	Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree	23.38
32 94 49 00-0015	EA	Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree	36.41

32 94 49 00-0016 Tree Guards *(32 94 49)*

32 94 49 00-0017	EA	3' Preformed Plastic Tree Guard	11.70
32 94 49 00-0018	EA	2' Preformed Plastic Tree Guard	10.72

32 94 49 00-0019 Stake Out Tree And Shrub Locations *(32 94 49)*

Note: When no design available.

32 94 49 00-0020	EA	Stake Out Trees Or Shrubs	7.35

32 94 49 00-0021 Root Barriers *(32 94 49)*

32 94 49 00-0022	EA	12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	12.94
32 94 49 00-0023	EA	18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	18.47
32 94 49 00-0024	EA	24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	21.85
32 94 49 00-0025	EA	36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	41.24
32 94 49 00-0026	EA	48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner	57.10

32 96 Transplanting *(32 90)*

See CSI section 32 94 49 00-0001 for guying.

32 96 33 Shrub Transplanting *(32 96)*

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001 Moving Shrubs On Site, Relocate *(32 96 33)*

Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.

32 96 33 00-0002	EA	Up To 18" Root Ball, Move Shrubs On Site	78.90
		For >25 To 50, Deduct	*-7.89*
		For >50, Deduct	*-11.84*
32 96 33 00-0003	EA	>18" To 24" Root Ball, Move Shrubs On Site	106.74
		For >25 To 50, Deduct	*-10.67*
		For >50, Deduct	*-16.01*
32 96 33 00-0004	EA	>24" To 30" Root Ball, Move Shrubs On Site	180.99
		For >25 To 50, Deduct	*-18.10*
		For >50, Deduct	*-27.15*
32 96 33 00-0005	EA	>30" To 36" Root Ball, Move Shrubs On Site	278.45
		For >25 To 50, Deduct	*-27.85*
		For >50, Deduct	*-41.77*

32 96 43 Tree Transplanting *(32 96)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 43 00-0001 Moving Trees On Site, Relocate *(32 96 43)*

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0868 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site	309.73	
		For >5 To 10, Deduct	*-15.49*	
		For >10 To 20, Deduct	*-30.97*	
		For >20, Deduct	*-46.46*	
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site	424.78	
		For >5 To 10, Deduct	*-21.24*	
		For >10 To 20, Deduct	*-42.48*	
		For >20, Deduct	*-63.72*	
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site	688.30	
		For >5 To 10, Deduct	*-34.42*	
		For >10 To 20, Deduct	*-68.83*	
		For >20, Deduct	*-103.25*	
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site	1,143.63	
		For >5 To 10, Deduct	*-57.18*	
		For >10 To 20, Deduct	*-114.36*	
		For >20, Deduct	*-171.54*	
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site	1,858.40	
		For >5 To 10, Deduct	*-92.92*	
		For >10 To 20, Deduct	*-185.84*	
		For >20, Deduct	*-278.76*	
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site	2,397.93	
		For >5 To 10, Deduct	*-119.90*	
		For >10 To 20, Deduct	*-239.79*	
		For >20, Deduct	*-359.69*	
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site	3,097.33	
		For >5 To 10, Deduct	*-154.87*	
		For >10 To 20, Deduct	*-309.73*	
		For >20, Deduct	*-464.60*	
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site	3,716.80	
		For >5 To 10, Deduct	*-185.84*	
		For >10 To 20, Deduct	*-371.68*	
		For >20, Deduct	*-557.52*	
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site	4,223.64	
		For >5 To 10, Deduct	*-211.18*	
		For >10 To 20, Deduct	*-422.36*	
		For >20, Deduct	*-633.55*	

END OF SECTION 32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

33 01 Operation and Maintenance of Utilities *(33)*

33 01 10 Operation and Maintenance of Water Utilities *(33 01)*

33 01 10 54 Cleaning of Water Utility Piping *(33 01 10)*

See CSI section 33 01 30 41-0012 for cleaning of water lines.

33 01 10 58 Disinfection of Water Utility Piping Systems *(33 01 10)*

33 01 10 58-0001 Water Main Disinfection/Sterilization *(33 01 10 58)*

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	1,075.54	
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method	537.77	
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization	0.40	
		For >250 To 500, Deduct	*-0.02*	
		For >500 To 1,000, Deduct	*-0.04*	
		For >1,000 To 2,000, Deduct	*-0.06*	
		For >2,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.10*	
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization	0.62	
		For >250 To 500, Deduct	*-0.03*	
		For >500 To 1,000, Deduct	*-0.06*	
		For >1,000 To 2,000, Deduct	*-0.09*	
		For >2,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.16*	
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization	0.81	
		For >250 To 500, Deduct	*-0.04*	
		For >500 To 1,000, Deduct	*-0.08*	
		For >1,000 To 2,000, Deduct	*-0.12*	
		For >2,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.20*	
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization	0.95	
		For >250 To 500, Deduct	*-0.05*	
		For >500 To 1,000, Deduct	*-0.10*	
		For >1,000 To 2,000, Deduct	*-0.14*	
		For >2,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.24*	
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization	1.24	
		For >250 To 500, Deduct	*-0.06*	
		For >500 To 1,000, Deduct	*-0.12*	
		For >1,000 To 2,000, Deduct	*-0.19*	
		For >2,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.31*	
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization	1.40	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.14*	
		For >1,000 To 2,000, Deduct	*-0.21*	
		For >2,000 To 5,000, Deduct	*-0.28*	
		For >5,000, Deduct	*-0.35*	
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization	1.61	
		For >250 To 500, Deduct	*-0.08*	
		For >500 To 1,000, Deduct	*-0.16*	
		For >1,000 To 2,000, Deduct	*-0.24*	
		For >2,000 To 5,000, Deduct	*-0.32*	
		For >5,000, Deduct	*-0.40*	
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization	1.90	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.19*	
		For >1,000 To 2,000, Deduct	*-0.29*	
		For >2,000 To 5,000, Deduct	*-0.38*	
		For >5,000, Deduct	*-0.48*	
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization	2.44	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 2,000, Deduct	*-0.37*	
		For >2,000 To 5,000, Deduct	*-0.49*	
		For >5,000, Deduct	*-0.61*	
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization	3.59	
		For >250 To 500, Deduct	*-0.18*	
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 2,000, Deduct	*-0.54*	
		For >2,000 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-0.90*	
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization	4.97	
		For >250 To 500, Deduct	*-0.25*	
		For >500 To 1,000, Deduct	*-0.50*	
		For >1,000 To 2,000, Deduct	*-0.75*	
		For >2,000 To 5,000, Deduct	*-0.99*	
		For >5,000, Deduct	*-1.24*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71		**Relining Water Utilities Pipelines** *(33 01 10)*		
		See CSI section 33 01 30 71-0000 for relining water pipelines.		
33 01 10 71-0001		Relining Underground Water Pipelines *(33 01 10 71)*		
		Note: Excludes costs for CCTV inspection, pipe cleaning, pavement; temporary and permanent, emergency after hour response for owners' backups.		
33 01 10 71-0002		Relining Underground Water Pipelines Set-Up And Reinsertion *(33 01 10 71-0001)*		
33 01 10 71-0003	EA	Initial Set Up And Final Equipment Removal For Relining Underground Water Pipelines	5,517.70	
33 01 10 71-0004	EA	Move And Reset Up At Different Access/Location	2,207.08	
33 01 10 71-0005		Lining Pipe With Cement *(33 01 10 71-0001)*		
33 01 10 71-0006	LF	Up To 500', 4" Pipe, 1/8" Pipe Lining With Cement	65.95	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.64*	
33 01 10 71-0007	LF	>500' To 1,000', 4" Pipe, 1/8" Pipe Lining With Cement	58.80	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.64*	
33 01 10 71-0008	LF	>1,000' To 5,000', 4" Pipe, 1/8" Pipe Lining With Cement	49.22	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.64*	
33 01 10 71-0009	LF	>5,000', 4" Pipe, 1/8" Pipe Lining With Cement	37.19	
		For 3/16" Thickness, Add	*1.32*	
		For 1/4" Thickness, Add	*2.64*	
33 01 10 71-0010	LF	Up To 500', 6" Pipe, 1/8" Pipe Lining With Cement	68.89	
		For 3/16" Thickness, Add	*1.97*	
		For 1/4" Thickness, Add	*3.94*	
33 01 10 71-0011	LF	>500' To 1,000', 6" Pipe, 1/8" Pipe Lining With Cement	61.46	
		For 3/16" Thickness, Add	*1.97*	
		For 1/4" Thickness, Add	*3.94*	
33 01 10 71-0012	LF	>1,000' To 5,000', 6" Pipe, 1/8" Pipe Lining With Cement	51.55	
		For 3/16" Thickness, Add	*1.97*	
		For 1/4" Thickness, Add	*3.94*	
33 01 10 71-0013	LF	>5,000', 6" Pipe, 1/8" Pipe Lining With Cement	39.37	
		For 3/16" Thickness, Add	*1.97*	
		For 1/4" Thickness, Add	*3.94*	
33 01 10 71-0014	LF	Up To 500', 8" Pipe, 1/8" Pipe Lining With Cement	71.73	
		For 3/16" Thickness, Add	*2.63*	
		For 1/4" Thickness, Add	*5.25*	
33 01 10 71-0015	LF	>500' To 1,000', 8" Pipe, 1/8" Pipe Lining With Cement	64.14	
		For 3/16" Thickness, Add	*2.63*	
		For 1/4" Thickness, Add	*5.25*	
33 01 10 71-0016	LF	>1,000' To 5,000', 8" Pipe, 1/8" Pipe Lining With Cement	53.91	
		For 3/16" Thickness, Add	*2.63*	
		For 1/4" Thickness, Add	*5.25*	
33 01 10 71-0017	LF	>5,000', 8" Pipe, 1/8" Pipe Lining With Cement	41.55	
		For 3/16" Thickness, Add	*2.63*	
		For 1/4" Thickness, Add	*5.25*	
33 01 10 71-0018	LF	Up To 500', 10" Pipe, 1/8" Pipe Lining With Cement	73.99	
		For 3/16" Thickness, Add	*3.29*	
		For 1/4" Thickness, Add	*6.58*	
33 01 10 71-0019	LF	>500' To 1,000', 10" Pipe, 1/8" Pipe Lining With Cement	66.29	
		For 3/16" Thickness, Add	*3.29*	
		For 1/4" Thickness, Add	*6.58*	
33 01 10 71-0020	LF	>1,000' To 5,000', 10" Pipe, 1/8" Pipe Lining With Cement	55.89	
		For 3/16" Thickness, Add	*3.29*	
		For 1/4" Thickness, Add	*6.58*	
33 01 10 71-0021	LF	>5,000', 10" Pipe, 1/8" Pipe Lining With Cement	43.75	
		For 3/16" Thickness, Add	*3.29*	
		For 1/4" Thickness, Add	*6.58*	
33 01 10 71-0022	LF	Up To 500', 12" Pipe, 1/8" Pipe Lining With Cement	80.17	
		For 3/16" Thickness, Add	*3.95*	
		For 1/4" Thickness, Add	*7.89*	
33 01 10 71-0023	LF	>500' To 1,000', 12" Pipe, 1/8" Pipe Lining With Cement	71.97	
		For 3/16" Thickness, Add	*3.95*	
		For 1/4" Thickness, Add	*7.89*	
33 01 10 71-0024	LF	>1,000' To 5,000', 12" Pipe, 1/8" Pipe Lining With Cement	60.92	
		For 3/16" Thickness, Add	*3.95*	
		For 1/4" Thickness, Add	*7.89*	
33 01 10 71-0025	LF	>5,000', 12" Pipe, 1/8" Pipe Lining With Cement	47.80	
		For 3/16" Thickness, Add	*3.95*	
		For 1/4" Thickness, Add	*7.89*	
33 01 10 71-0026	LF	Up To 500', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	87.62	
		For 1/4" Thickness, Add	*4.39*	
		For 5/16" Thickness, Add	*8.77*	
33 01 10 71-0027	LF	>500' To 1,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	79.13	
		For 1/4" Thickness, Add	*4.39*	
		For 5/16" Thickness, Add	*8.77*	
33 01 10 71-0028	LF	>1,000' To 5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	67.61	
		For 1/4" Thickness, Add	*4.39*	
		For 5/16" Thickness, Add	*8.77*	
33 01 10 71-0029	LF	>5,000', >12" To 16" Pipe, 3/16" Pipe Lining With Cement	55.04	
		For 1/4" Thickness, Add	*4.39*	
		For 5/16" Thickness, Add	*8.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0030	LF	Up To 500', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	92.42	
		For 1/4" Thickness, Add	*5.26*	
		For 5/16" Thickness, Add	*10.51*	
33 01 10 71-0031	LF	>500' To 1,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	83.66	
		For 1/4" Thickness, Add	*5.26*	
		For 5/16" Thickness, Add	*10.51*	
33 01 10 71-0032	LF	>1,000' To 5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	71.75	
		For 1/4" Thickness, Add	*5.26*	
		For 5/16" Thickness, Add	*10.51*	
33 01 10 71-0033	LF	>5,000', >16" To 20" Pipe, 3/16" Pipe Lining With Cement	59.83	
		For 1/4" Thickness, Add	*5.26*	
		For 5/16" Thickness, Add	*10.51*	
33 01 10 71-0034	LF	Up To 500', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	98.22	
		For 1/4" Thickness, Add	*6.14*	
		For 5/16" Thickness, Add	*12.27*	
33 01 10 71-0035	LF	>500' To 1,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	89.16	
		For 1/4" Thickness, Add	*6.14*	
		For 5/16" Thickness, Add	*12.27*	
33 01 10 71-0036	LF	>1,000' To 5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	76.68	
		For 1/4" Thickness, Add	*6.14*	
		For 5/16" Thickness, Add	*12.27*	
33 01 10 71-0037	LF	>5,000', >20" To 22" Pipe, 3/16" Pipe Lining With Cement	65.53	
		For 1/4" Thickness, Add	*6.14*	
		For 5/16" Thickness, Add	*12.27*	
33 01 10 71-0038	LF	Up To 500', 24" Pipe, 3/16" Pipe Lining With Cement	104.14	
		For 1/4" Thickness, Add	*7.02*	
		For 5/16" Thickness, Add	*14.03*	
33 01 10 71-0039	LF	>500' To 1,000', 24" Pipe, 3/16" Pipe Lining With Cement	94.71	
		For 1/4" Thickness, Add	*7.02*	
		For 5/16" Thickness, Add	*14.03*	
33 01 10 71-0040	LF	>1,000' To 5,000', 24" Pipe, 3/16" Pipe Lining With Cement	81.84	
		For 1/4" Thickness, Add	*7.02*	
		For 5/16" Thickness, Add	*14.03*	
33 01 10 71-0041	LF	>5,000', 24" Pipe, 3/16" Pipe Lining With Cement	71.45	
		For 1/4" Thickness, Add	*7.02*	
		For 5/16" Thickness, Add	*14.03*	
33 01 10 71-0042	LF	Up To 500', 30" Pipe, 3/16" Pipe Lining With Cement	112.57	
		For 1/4" Thickness, Add	*8.77*	
		For 5/16" Thickness, Add	*17.53*	
33 01 10 71-0043	LF	>500' To 1,000', 30" Pipe, 3/16" Pipe Lining With Cement	102.58	
		For 1/4" Thickness, Add	*8.77*	
		For 5/16" Thickness, Add	*17.53*	
33 01 10 71-0044	LF	>1,000' To 5,000', 30" Pipe, 3/16" Pipe Lining With Cement	88.95	
		For 1/4" Thickness, Add	*8.77*	
		For 5/16" Thickness, Add	*17.53*	
33 01 10 71-0045	LF	>5,000', 30" Pipe, 3/16" Pipe Lining With Cement	78.45	
		For 1/4" Thickness, Add	*8.77*	
		For 5/16" Thickness, Add	*17.53*	
33 01 10 71-0046	LF	Up To 500', 36" Pipe, 3/16" Pipe Lining With Cement	120.90	
		For 1/4" Thickness, Add	*10.52*	
		For 5/16" Thickness, Add	*21.05*	
33 01 10 71-0047	LF	500' To 1,000', 36" Pipe, 3/16" Pipe Lining With Cement	110.47	
		For 1/4" Thickness, Add	*10.52*	
		For 5/16" Thickness, Add	*21.05*	
33 01 10 71-0048	LF	>1,000' To 5,000', 36" Pipe, 3/16" Pipe Lining With Cement	96.08	
		For 1/4" Thickness, Add	*10.52*	
		For 5/16" Thickness, Add	*21.05*	
33 01 10 71-0049	LF	>5,000', 36" Pipe, 3/16" Pipe Lining With Cement	85.48	
		For 1/4" Thickness, Add	*10.52*	
		For 5/16" Thickness, Add	*21.05*	
33 01 10 71-0050	LF	Up To 500', 42" Pipe, 1/4" Pipe Lining With Cement	152.88	
		For 3/8" Thickness, Add	*27.62*	
		For 7/16" Thickness, Add	*41.43*	
33 01 10 71-0051	LF	>500' To 1,000', 42" Pipe, 1/4" Pipe Lining With Cement	141.52	
		For 3/8" Thickness, Add	*27.62*	
		For 7/16" Thickness, Add	*41.43*	
33 01 10 71-0052	LF	>1,000' To 5,000', 42" Pipe, 1/4" Pipe Lining With Cement	125.88	
		For 3/8" Thickness, Add	*27.62*	
		For 7/16" Thickness, Add	*41.43*	
33 01 10 71-0053	LF	>5,000', 42" Pipe, 1/4" Pipe Lining With Cement	114.94	
		For 3/8" Thickness, Add	*27.62*	
		For 7/16" Thickness, Add	*41.43*	
33 01 10 71-0054	LF	Up To 500', 48" Pipe, 1/4" Pipe Lining With Cement	168.96	
		For 3/8" Thickness, Add	*31.56*	
		For 7/16" Thickness, Add	*47.34*	
33 01 10 71-0055	LF	>500' To 1,000', 48" Pipe, 1/4" Pipe Lining With Cement	156.81	
		For 3/8" Thickness, Add	*31.56*	
		For 7/16" Thickness, Add	*47.34*	
33 01 10 71-0056	LF	>1,000' To 5,000', 48" Pipe, 1/4" Pipe Lining With Cement	139.99	
		For 3/8" Thickness, Add	*31.56*	
		For 7/16" Thickness, Add	*47.34*	
33 01 10 71-0057	LF	>5,000', 48" Pipe, 1/4" Pipe Lining With Cement	128.83	
		For 3/8" Thickness, Add	*31.56*	
		For 7/16" Thickness, Add	*47.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 10 71-0058	LF	Up To 500', 54" Pipe, 1/4" Pipe Lining With Cement	178.82	
		For 3/8" Thickness, Add	*35.51*	
		For 7/16" Thickness, Add	*53.26*	
33 01 10 71-0059	LF	>500' To 1,000', 54" Pipe, 1/4" Pipe Lining With Cement	166.40	
		For 3/8" Thickness, Add	*35.51*	
		For 7/16" Thickness, Add	*53.26*	
33 01 10 71-0060	LF	>1,000' To 5,000', 54" Pipe, 1/4" Pipe Lining With Cement	149.18	
		For 3/8" Thickness, Add	*35.51*	
		For 7/16" Thickness, Add	*53.26*	
33 01 10 71-0061	LF	>5,000', 54" Pipe, 1/4" Pipe Lining With Cement	138.47	
		For 3/8" Thickness, Add	*35.51*	
		For 7/16" Thickness, Add	*53.26*	
33 01 10 71-0062	LF	Up To 500', 60" Pipe, 1/4" Pipe Lining With Cement	188.70	
		For 3/8" Thickness, Add	*39.46*	
		For 7/16" Thickness, Add	*59.19*	
33 01 10 71-0063	LF	>500' To 1,000', 60" Pipe, 1/4" Pipe Lining With Cement	176.06	
		For 3/8" Thickness, Add	*39.46*	
		For 7/16" Thickness, Add	*59.19*	
33 01 10 71-0064	LF	>1,000' To 5,000', 60" Pipe, 1/4" Pipe Lining With Cement	158.51	
		For 3/8" Thickness, Add	*39.46*	
		For 7/16" Thickness, Add	*59.19*	
33 01 10 71-0065	LF	>5,000', 60" Pipe, 1/4" Pipe Lining With Cement	148.14	
		For 3/8" Thickness, Add	*39.46*	
		For 7/16" Thickness, Add	*59.19*	
33 01 10 71-0066	LF	Up To 500', 66" Pipe, 1/4" Pipe Lining With Cement	198.88	
		For 3/8" Thickness, Add	*43.41*	
		For 7/16" Thickness, Add	*65.11*	
33 01 10 71-0067	LF	>500' To 1,000', 66" Pipe, 1/4" Pipe Lining With Cement	185.98	
		For 3/8" Thickness, Add	*43.41*	
		For 7/16" Thickness, Add	*65.11*	
33 01 10 71-0068	LF	>1,000' To 5,000', 66" Pipe, 1/4" Pipe Lining With Cement	168.16	
		For 3/8" Thickness, Add	*43.41*	
		For 7/16" Thickness, Add	*65.11*	
33 01 10 71-0069	LF	>5,000', 66" Pipe, 1/4" Pipe Lining With Cement	158.53	
		For 3/8" Thickness, Add	*43.41*	
		For 7/16" Thickness, Add	*65.11*	
33 01 10 71-0070	LF	Up To 500', 72" Pipe, 1/4" Pipe Lining With Cement	209.50	
		For 3/8" Thickness, Add	*47.35*	
		For 7/16" Thickness, Add	*71.03*	
33 01 10 71-0071	LF	>500' To 1,000', 72" Pipe, 1/4" Pipe Lining With Cement	196.39	
		For 3/8" Thickness, Add	*47.35*	
		For 7/16" Thickness, Add	*71.03*	
33 01 10 71-0072	LF	>1,000' To 5,000', 72" Pipe, 1/4" Pipe Lining With Cement	178.13	
		For 3/8" Thickness, Add	*47.35*	
		For 7/16" Thickness, Add	*71.03*	
33 01 10 71-0073	LF	>5,000', 72" Pipe, 1/4" Pipe Lining With Cement	169.05	
		For 3/8" Thickness, Add	*47.35*	
		For 7/16" Thickness, Add	*71.03*	

33 01 20 Operation and Maintenance of Wells *(33 01)*

33 01 20 00-0001 Pull Submersible Well Pumps For Repair *(33 01 20)*

Note: Includes cleaning.

33 01 20 00-0002	EA	Up To 100' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	92.12
33 01 20 00-0003	EA	>100 To 200' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	122.82
33 01 20 00-0004	EA	>200 To 300' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	159.67
33 01 20 00-0005	EA	>300 To 400' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	208.80
33 01 20 00-0006	EA	>400 To 500' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	257.93
33 01 20 00-0007	EA	>500 To 600' Depth, Pull Submersible Well Pumps For Repair Note: Includes reinstallation after repair.	294.78

33 01 30 Operation and Maintenance of Sewer Utilities *(33 01)*

33 01 30 11 Television Inspection Of Pipelines *(33 01 30)*

Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.

33 01 30 11-0001 Remote Visual Inspection (RVI) Of Pipe Interior And Culverts *(33 01 30 11)*

33 01 30 11-0002 Video Camera Set-up *(33 01 30 11-0001)*

Note: A "push camera" is a straight view camera at the end of a rigid push rod for 1" to 12" diameter pipes for distances up to 300 feet. Crawlers are generally remotely operated vehicles (ROVs) for longer distances (over 300') and for larger diameters (4" and larger).

33 01 30 11-0003	EA	Initial Set Up For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	946.68
33 01 30 11-0004	EA	Initial Set Up For "Crawler" Video Camera Inspection, 4" To 30" Diameter Pipe Or Culvert	1,893.37
33 01 30 11-0005	EA	Initial Set Up For "Crawler" Video Camera Inspection, >30" Diameter Pipe Or Culvert	2,840.05
33 01 30 11-0006	EA	Re-Set Up/Move For "Push Camera" Video Camera Inspection, 1" To 12" Diameter Pipe Or Culvert	473.35
33 01 30 11-0007	EA	Re-Set Up/Move For "Crawler" Video Camera Inspection, 4" And Larger Diameter Pipe Or Culvert	946.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0008		Video Camera Planning And Analysis Inspection *(33 01 30 11-0001)*		
		Note: For pipe interior and culverts.		
33 01 30 11-0009	LF	4" To 6" Diameter Pipe Inspection, Planning/Analysis Phase	2.40	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.24*	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.84*	
33 01 30 11-0010	LF	>6" To 12" Diameter Pipe Inspection, Planning/Analysis Phase	3.20	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.32*	
		For >1,000 To 5,000, Deduct	*-0.80*	
		For >5,000, Deduct	*-1.12*	
33 01 30 11-0011	LF	>12" To 21" Diameter Pipe Inspection, Planning/Analysis Phase	4.00	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.40*	
		For >1,000 To 5,000, Deduct	*-1.00*	
		For >5,000, Deduct	*-1.40*	
33 01 30 11-0012	LF	>21" To 30" Diameter Pipe Inspection, Planning/Analysis Phase	5.33	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.53*	
		For >1,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-1.87*	
33 01 30 11-0013	LF	>30" To 42" Diameter Pipe Inspection, Planning/Analysis Phase	7.50	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 5,000, Deduct	*-1.88*	
		For >5,000, Deduct	*-2.63*	
33 01 30 11-0014	LF	>42" To 60" Diameter Pipe Inspection, Planning/Analysis Phase	10.00	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.00*	
		For >1,000 To 5,000, Deduct	*-2.50*	
		For >5,000, Deduct	*-3.50*	
33 01 30 11-0015	LF	>60" To 72" Diameter Pipe Inspection, Planning/Analysis Phase	14.12	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 5,000, Deduct	*-3.53*	
		For >5,000, Deduct	*-4.94*	
33 01 30 11-0016	LF	>72" To 84" Diameter Pipe Inspection, Planning/Analysis Phase	20.00	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.00*	
		For >1,000 To 5,000, Deduct	*-5.00*	
		For >5,000, Deduct	*-7.00*	
33 01 30 11-0017		Video Camera Pre-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0018	LF	4" To 6" Diameter Pipe Inspection, Pre-Rehabilitation Phase	3.55	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.36*	
		For >1,000 To 5,000, Deduct	*-0.89*	
		For >5,000, Deduct	*-1.24*	
33 01 30 11-0019	LF	>6" To 12" Diameter Pipe Inspection, Pre-Rehabilitation Phase	4.73	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.47*	
		For >1,000 To 5,000, Deduct	*-1.18*	
		For >5,000, Deduct	*-1.66*	
33 01 30 11-0020	LF	>12" To 21" Diameter Pipe Inspection, Pre-Rehabilitation Phase	5.92	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.59*	
		For >1,000 To 5,000, Deduct	*-1.48*	
		For >5,000, Deduct	*-2.07*	
33 01 30 11-0021	LF	>21" To 30" Diameter Pipe Inspection, Pre-Rehabilitation Phase	7.89	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-2.76*	
33 01 30 11-0022	LF	>30" To 42" Diameter Pipe Inspection, Pre-Rehabilitation Phase	11.09	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.11*	
		For >1,000 To 5,000, Deduct	*-2.77*	
		For >5,000, Deduct	*-3.88*	
33 01 30 11-0023	LF	>42" To 60" Diameter Pipe Inspection, Pre-Rehabilitation Phase	14.80	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.48*	
		For >1,000 To 5,000, Deduct	*-3.70*	
		For >5,000, Deduct	*-5.18*	
33 01 30 11-0024	LF	>60" To 72" Diameter Pipe Inspection, Pre-Rehabilitation Phase	20.88	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000 To 5,000, Deduct	*-5.22*	
		For >5,000, Deduct	*-7.31*	
33 01 30 11-0025	LF	>72" To 84" Diameter Pipe Inspection, Pre-Rehabilitation Phase	29.58	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000 To 5,000, Deduct	*-7.40*	
		For >5,000, Deduct	*-10.35*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 11-0026		Video Camera Post-Rehab For Pipe Interior And Culverts *(33 01 30 11-0001)*		
33 01 30 11-0027	LF	4" To 6" Diameter Pipe Inspection, Post-Rehabilitation Phase	2.53	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.25*	
		For >1,000 To 5,000, Deduct	*-0.63*	
		For >5,000, Deduct	*-0.89*	
33 01 30 11-0028	LF	>6" To 12" Diameter Pipe Inspection, Post-Rehabilitation Phase	3.39	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.34*	
		For >1,000 To 5,000, Deduct	*-0.85*	
		For >5,000, Deduct	*-1.19*	
33 01 30 11-0029	LF	>12" To 21" Diameter Pipe Inspection, Post-Rehabilitation Phase	4.23	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.42*	
		For >1,000 To 5,000, Deduct	*-1.06*	
		For >5,000, Deduct	*-1.48*	
33 01 30 11-0030	LF	>21" To 30" Diameter Pipe Inspection, Post-Rehabilitation Phase	5.64	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 5,000, Deduct	*-1.41*	
		For >5,000, Deduct	*-1.97*	
33 01 30 11-0031	LF	>30" To 42" Diameter Pipe Inspection, Post-Rehabilitation Phase	7.92	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 5,000, Deduct	*-1.98*	
		For >5,000, Deduct	*-2.77*	
33 01 30 11-0032	LF	>42" To 60" Diameter Pipe Inspection, Post-Rehabilitation Phase	10.57	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.06*	
		For >1,000 To 5,000, Deduct	*-2.64*	
		For >5,000, Deduct	*-3.70*	
33 01 30 11-0033	LF	>60" To 72" Diameter Pipe Inspection, Post-Rehabilitation Phase	14.91	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-1.49*	
		For >1,000 To 5,000, Deduct	*-3.73*	
		For >5,000, Deduct	*-5.22*	
33 01 30 11-0034	LF	>72" To 84" Diameter Pipe Inspection, Post-Rehabilitation Phase	21.13	
		Note: CCTV inspection of pipe interior.		
		For >500 To 1,000, Deduct	*-2.11*	
		For >1,000 To 5,000, Deduct	*-5.28*	
		For >5,000, Deduct	*-7.40*	

33 01 30 41 Cleaning of Sewers *(33 01 30)*

33 01 30 41-0001 Pipe Line Cleaning And Flushing *(33 01 30 41)*
Note: Includes flushing. Owner provided water.

33 01 30 41-0002 Pipe Line Cleaning *(33 01 30 41-0001)*
Note: Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0003 Hydro Jet Set-up And Reinsertion *(33 01 30 41-0002)*
Note: Includes mobilization delivery, set-up, cleanup after use and return.

33 01 30 41-0004	EA	Initial Set Up And Final Equipment Removal For Up To 8" Jet Cleaning	1,480.05
33 01 30 41-0005	EA	Initial Set Up And Final Equipment Removal For >8" To 12" Jet Cleaning	2,220.08
33 01 30 41-0006	EA	Initial Set Up And Final Equipment Removal For >12" To 30" Jet Cleaning	2,960.11
33 01 30 41-0007	EA	Initial Set Up And Final Equipment Removal For >30" Jet Cleaning	3,946.80
33 01 30 41-0008	EA	Move And Reset Up At Different Access/Location For Up To 8" Jet Cleaning	370.01
33 01 30 41-0009	EA	Move And Reset Up At Different Access/Location For >8" To 12" Jet Cleaning	555.02
33 01 30 41-0010	EA	Move And Reset Up At Different Access/Location For >12" To 30" Jet Cleaning	740.03
33 01 30 41-0011	EA	Move And Reset Up At Different Access/Location For >30" Jet Cleaning	925.03

33 01 30 41-0012 Hydro Jet Cleaning Of Sewer And Water Pipelines *(33 01 30 41-0002)*

33 01 30 41-0013	LF	Up To 4" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	3.98
		For >250 To 500, Deduct	*-0.20*
		For >500 To 1,000, Deduct	*-0.40*
		For >1,000 To 2,000, Deduct	*-0.60*
		For >2,000 To 5,000, Deduct	*-0.80*
		For >5,000, Deduct	*-1.00*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*2.99*
33 01 30 41-0014	LF	6" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	4.56
		For >250 To 500, Deduct	*-0.23*
		For >500 To 1,000, Deduct	*-0.46*
		For >1,000 To 2,000, Deduct	*-0.68*
		For >2,000 To 5,000, Deduct	*-0.91*
		For >5,000, Deduct	*-1.14*
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*3.42*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0015	LF	8" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	5.36	
		For >250 To 500, Deduct	*-0.27*	
		For >500 To 1,000, Deduct	*-0.54*	
		For >1,000 To 2,000, Deduct	*-0.80*	
		For >2,000 To 5,000, Deduct	*-1.07*	
		For >5,000, Deduct	*-1.34*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.02*	
33 01 30 41-0016	LF	10" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	6.63	
		For >250 To 500, Deduct	*-0.33*	
		For >500 To 1,000, Deduct	*-0.66*	
		For >1,000 To 2,000, Deduct	*-0.99*	
		For >2,000 To 5,000, Deduct	*-1.33*	
		For >5,000, Deduct	*-1.66*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*4.97*	
33 01 30 41-0017	LF	12" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	7.52	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-1.88*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*5.64*	
33 01 30 41-0018	LF	>12" To 16" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	8.68	
		For >250 To 500, Deduct	*-0.43*	
		For >500 To 1,000, Deduct	*-0.87*	
		For >1,000 To 2,000, Deduct	*-1.30*	
		For >2,000 To 5,000, Deduct	*-1.74*	
		For >5,000, Deduct	*-2.17*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*6.51*	
33 01 30 41-0019	LF	>16" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	10.46	
		For >250 To 500, Deduct	*-0.52*	
		For >500 To 1,000, Deduct	*-1.05*	
		For >1,000 To 2,000, Deduct	*-1.57*	
		For >2,000 To 5,000, Deduct	*-2.09*	
		For >5,000, Deduct	*-2.62*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*7.85*	
33 01 30 41-0020	LF	>24" To 30" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	11.86	
		For >250 To 500, Deduct	*-0.59*	
		For >500 To 1,000, Deduct	*-1.19*	
		For >1,000 To 2,000, Deduct	*-1.78*	
		For >2,000 To 5,000, Deduct	*-2.37*	
		For >5,000, Deduct	*-2.97*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*8.90*	
33 01 30 41-0021	LF	>30" To 42" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	14.02	
		For >250 To 500, Deduct	*-0.70*	
		For >500 To 1,000, Deduct	*-1.40*	
		For >1,000 To 2,000, Deduct	*-2.10*	
		For >2,000 To 5,000, Deduct	*-2.80*	
		For >5,000, Deduct	*-3.51*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*10.52*	
33 01 30 41-0022	LF	>42" To 60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	17.62	
		For >250 To 500, Deduct	*-0.88*	
		For >500 To 1,000, Deduct	*-1.76*	
		For >1,000 To 2,000, Deduct	*-2.64*	
		For >2,000 To 5,000, Deduct	*-3.52*	
		For >5,000, Deduct	*-4.41*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*13.22*	
33 01 30 41-0023	LF	>60" Diameter Pipe Line Cleaning, Hydro Jetting Method, Light Cleaning - 3 Passes	20.56	
		For >250 To 500, Deduct	*-1.03*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000 To 2,000, Deduct	*-3.08*	
		For >2,000 To 5,000, Deduct	*-4.11*	
		For >5,000, Deduct	*-5.14*	
		For Heavy Cleaning, >4 Passes (Includes Attached Mechanical Device), Add	*15.42*	

33 01 30 41-0024 Flushing Of Storm Water Pipelines *(33 01 30 41-0002)*

Note: To remove silt and small debris from storm drainage pipes. Excludes disposal.

33 01 30 41-0025	LF	12" To 16" Diameter Pipe Line Flushing	1.49	
		For >250 To 500, Deduct	*-0.07*	
		For >500 To 1,000, Deduct	*-0.15*	
		For >1,000 To 2,000, Deduct	*-0.22*	
		For >2,000 To 5,000, Deduct	*-0.30*	
		For >5,000, Deduct	*-0.37*	
33 01 30 41-0026	LF	>16" To 24" Diameter Pipe Line Flushing	1.71	
		For >250 To 500, Deduct	*-0.09*	
		For >500 To 1,000, Deduct	*-0.17*	
		For >1,000 To 2,000, Deduct	*-0.26*	
		For >2,000 To 5,000, Deduct	*-0.34*	
		For >5,000, Deduct	*-0.43*	
33 01 30 41-0027	LF	>24" To 30" Diameter Pipe Line Flushing	2.01	
		For >250 To 500, Deduct	*-0.10*	
		For >500 To 1,000, Deduct	*-0.20*	
		For >1,000 To 2,000, Deduct	*-0.30*	
		For >2,000 To 5,000, Deduct	*-0.40*	
		For >5,000, Deduct	*-0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0028	LF	>30" To 42" Diameter Pipe Line Flushing	2.31	
		For >250 To 500, Deduct	*-0.12*	
		For >500 To 1,000, Deduct	*-0.23*	
		For >1,000 To 2,000, Deduct	*-0.35*	
		For >2,000 To 5,000, Deduct	*-0.46*	
		For >5,000, Deduct	*-0.58*	
33 01 30 41-0029	LF	>42" To 60" Diameter Pipe Line Flushing	3.08	
		For >250 To 500, Deduct	*-0.15*	
		For >500 To 1,000, Deduct	*-0.31*	
		For >1,000 To 2,000, Deduct	*-0.46*	
		For >2,000 To 5,000, Deduct	*-0.62*	
		For >5,000, Deduct	*-0.77*	

33 01 30 41-0030 Hydro Jet Cleaning Of Culverts *(33 01 30 41-0002)*

33 01 30 41-0031	LF	Jet Cleaning Of Culvert, 0-250 LF	18.41	
		For >250 To 500, Deduct	*-0.92*	
		For >500 To 1,000, Deduct	*-1.84*	
		For >1,000 To 2,000, Deduct	*-2.76*	
		For >2,000 To 5,000, Deduct	*-3.68*	
		For >5,000, Deduct	*-4.60*	

33 01 30 41-0032 Pipe Line Cleaning, Mechanical Method *(33 01 30 41-0001)*

Note: Power winching buckets, scrapers, scooters, porcupines, brushes and other debris removing equipment. Includes removal of all debris/waste. Excludes disposal.

33 01 30 41-0033	EA	Initial Set Up And Final Equipment Removal For Mechanical Cleaning	1,290.66	
33 01 30 41-0034	EA	Move And Reset Up At Different Access/Location	430.22	
33 01 30 41-0035	LF	Up To 4" Diameter Pipe Line Cleaning, Mechanical Method	7.48	
		For >250 To 500, Deduct	*-0.36*	
		For >500 To 1,000, Deduct	*-0.72*	
		For >1,000 To 2,000, Deduct	*-1.08*	
		For >2,000 To 5,000, Deduct	*-1.43*	
		For >5,000, Deduct	*-1.79*	
33 01 30 41-0036	LF	6" Diameter Pipe Line Cleaning, Mechanical Method	9.84	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.38*	
		For >2,000 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-2.31*	
33 01 30 41-0037	LF	8" Diameter Pipe Line Cleaning, Mechanical Method	11.52	
		For >250 To 500, Deduct	*-0.54*	
		For >500 To 1,000, Deduct	*-1.08*	
		For >1,000 To 2,000, Deduct	*-1.61*	
		For >2,000 To 5,000, Deduct	*-2.15*	
		For >5,000, Deduct	*-2.69*	
33 01 30 41-0038	LF	10" Diameter Pipe Line Cleaning, Mechanical Method	13.34	
		For >250 To 500, Deduct	*-0.62*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 2,000, Deduct	*-1.86*	
		For >2,000 To 5,000, Deduct	*-2.48*	
		For >5,000, Deduct	*-3.10*	
33 01 30 41-0039	LF	12" Diameter Pipe Line Cleaning, Mechanical Method	14.52	
		For >250 To 500, Deduct	*-0.67*	
		For >500 To 1,000, Deduct	*-1.34*	
		For >1,000 To 2,000, Deduct	*-2.02*	
		For >2,000 To 5,000, Deduct	*-2.69*	
		For >5,000, Deduct	*-3.36*	
33 01 30 41-0040	LF	>12" To 16" Diameter Pipe Line Cleaning, Mechanical Method	16.76	
		For >250 To 500, Deduct	*-0.77*	
		For >500 To 1,000, Deduct	*-1.54*	
		For >1,000 To 2,000, Deduct	*-2.31*	
		For >2,000 To 5,000, Deduct	*-3.07*	
		For >5,000, Deduct	*-3.84*	
33 01 30 41-0041	LF	>16" To 24" Diameter Pipe Line Cleaning, Mechanical Method	21.15	
		For >250 To 500, Deduct	*-0.95*	
		For >500 To 1,000, Deduct	*-1.90*	
		For >1,000 To 2,000, Deduct	*-2.85*	
		For >2,000 To 5,000, Deduct	*-3.80*	
		For >5,000, Deduct	*-4.75*	
33 01 30 41-0042	LF	>24" To 30" Diameter Pipe Line Cleaning, Mechanical Method	24.26	
		For >250 To 500, Deduct	*-1.06*	
		For >500 To 1,000, Deduct	*-2.12*	
		For >1,000 To 2,000, Deduct	*-3.17*	
		For >2,000 To 5,000, Deduct	*-4.23*	
		For >5,000, Deduct	*-5.29*	
33 01 30 41-0043	LF	>30" To 42" Diameter Pipe Line Cleaning, Mechanical Method	28.22	
		For >250 To 500, Deduct	*-1.22*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,000, Deduct	*-3.65*	
		For >2,000 To 5,000, Deduct	*-4.87*	
		For >5,000, Deduct	*-6.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 41-0044	LF	>42 To 60" Diameter Pipe Line Cleaning, Mechanical Method	36.92	
		For >250 To 500, Deduct	*-1.61*	
		For >500 To 1,000, Deduct	*-3.23*	
		For >1,000 To 2,000, Deduct	*-4.84*	
		For >2,000 To 5,000, Deduct	*-6.45*	
		For >5,000, Deduct	*-8.07*	
33 01 30 41-0045	LF	>60" Diameter Pipe Line Cleaning, Mechanical Method	42.05	
		For >250 To 500, Deduct	*-1.79*	
		For >500 To 1,000, Deduct	*-3.59*	
		For >1,000 To 2,000, Deduct	*-5.38*	
		For >2,000 To 5,000, Deduct	*-7.17*	
		For >5,000, Deduct	*-8.96*	

33 01 30 41-0046 Pipe Line Auguring/Rod Out Pipe *(33 01 30 41-0001)*

33 01 30 41-0047	EA	Initial Set Up And Final Equipment Removal For Auguring	1,290.66	
33 01 30 41-0048	EA	Move And Reset Up At Different Location	430.22	
33 01 30 41-0049	LF	Up To 4" Diameter Pipe Line Auguring/Rod Out	4.30	
		For >250 To 500, Deduct	*-0.22*	
		For >500 To 1,000, Deduct	*-0.43*	
		For >1,000 To 2,000, Deduct	*-0.65*	
		For >2,000 To 5,000, Deduct	*-0.86*	
		For >5,000, Deduct	*-1.08*	
33 01 30 41-0050	LF	6" Diameter Pipe Line Auguring/Rod Out	5.57	
		For >250 To 500, Deduct	*-0.28*	
		For >500 To 1,000, Deduct	*-0.56*	
		For >1,000 To 2,000, Deduct	*-0.84*	
		For >2,000 To 5,000, Deduct	*-1.11*	
		For >5,000, Deduct	*-1.39*	
33 01 30 41-0051	LF	8" Diameter Pipe Line Auguring/Rod Out	6.45	
		For >250 To 500, Deduct	*-0.32*	
		For >500 To 1,000, Deduct	*-0.65*	
		For >1,000 To 2,000, Deduct	*-0.97*	
		For >2,000 To 5,000, Deduct	*-1.29*	
		For >5,000, Deduct	*-1.61*	
33 01 30 41-0052	LF	10" Diameter Pipe Line Auguring/Rod Out	7.50	
		For >250 To 500, Deduct	*-0.38*	
		For >500 To 1,000, Deduct	*-0.75*	
		For >1,000 To 2,000, Deduct	*-1.13*	
		For >2,000 To 5,000, Deduct	*-1.50*	
		For >5,000, Deduct	*-1.88*	
33 01 30 41-0053	LF	12" Diameter Pipe Line Auguring/Rod Out	8.06	
		For >250 To 500, Deduct	*-0.40*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.21*	
		For >2,000 To 5,000, Deduct	*-1.61*	
		For >5,000, Deduct	*-2.02*	
33 01 30 41-0054	LF	>12" To 16" Diameter Pipe Line Auguring/Rod Out	9.22	
		For >250 To 500, Deduct	*-0.46*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.38*	
		For >2,000 To 5,000, Deduct	*-1.84*	
		For >5,000, Deduct	*-2.31*	
33 01 30 41-0055	LF	>16" To 24" Diameter Pipe Line Auguring/Rod Out	11.32	
		For >250 To 500, Deduct	*-0.57*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-1.70*	
		For >2,000 To 5,000, Deduct	*-2.26*	
		For >5,000, Deduct	*-2.83*	
33 01 30 41-0056	LF	>24" To 30" Diameter Pipe Line Auguring/Rod Out	12.66	
		For >250 To 500, Deduct	*-0.63*	
		For >500 To 1,000, Deduct	*-1.27*	
		For >1,000 To 2,000, Deduct	*-1.90*	
		For >2,000 To 5,000, Deduct	*-2.53*	
		For >5,000, Deduct	*-3.17*	
33 01 30 41-0057	LF	>30" To 42" Diameter Pipe Line Auguring/Rod Out	14.67	
		For >250 To 500, Deduct	*-0.73*	
		For >500 To 1,000, Deduct	*-1.47*	
		For >1,000 To 2,000, Deduct	*-2.20*	
		For >2,000 To 5,000, Deduct	*-2.93*	
		For >5,000, Deduct	*-3.67*	
33 01 30 41-0058	LF	>42 To 60" Diameter Pipe Line Auguring/Rod Out	20.17	
		For >250 To 500, Deduct	*-1.01*	
		For >500 To 1,000, Deduct	*-2.02*	
		For >1,000 To 2,000, Deduct	*-3.03*	
		For >2,000 To 5,000, Deduct	*-4.03*	
		For >5,000, Deduct	*-5.04*	
33 01 30 41-0059	LF	>60" Diameter Pipe Line Auguring/Rod Out	21.51	
		For >250 To 500, Deduct	*-1.08*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000 To 2,000, Deduct	*-3.23*	
		For >2,000 To 5,000, Deduct	*-4.30*	
		For >5,000, Deduct	*-5.38*	

33 01 30 42 Cleaning of Manholes *(33 01 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 42-0001		Structure Cleaning And Flushing *(33 01 30 42)* Note: Includes flushing. Owner provided water.		
33 01 30 42-0002		Rod Out Structures And Other Hand Operations *(33 01 30 42-0001)*		
33 01 30 42-0003	EA	Rod Out Waste Water Drain	54.67	
33 01 30 42-0004	EA	Rod Out Sewer Catch Basin	109.34	
33 01 30 42-0005	EA	Up To 6" Diameter Pipe, Rod Out Blockage	21.86	
33 01 30 42-0006	EA	8" Diameter Pipe, Rod Out Blockage	24.06	
33 01 30 42-0007	EA	10" Diameter Pipe, Rod Out Blockage	27.34	
33 01 30 42-0008	EA	12" Diameter Pipe, Rod Out Blockage	31.71	
33 01 30 42-0009	EA	>12" To 16" Diameter Pipe, Rod Out Blockage	37.17	
33 01 30 42-0010	EA	>16" To 24" Diameter Pipe, Rod Out Blockage	43.74	
33 01 30 42-0011	EA	>24" To 30" Diameter Pipe, Rod Out Blockage	51.39	
33 01 30 42-0012	EA	>30" To 42" Diameter Pipe, Rod Out Blockage	59.05	
33 01 30 42-0013	EA	>42" To 60" Diameter Pipe, Rod Out Blockage	68.88	
33 01 30 42-0014	EA	>60" Diameter Pipe, Rod Out Blockage	82.01	
33 01 30 42-0015	EA	Clean Out Debris From Entrance To Inlet Structure	273.35	
33 01 30 42-0016	EA	3' To 4' Diameter, Clean Out Blocked Manhole By Hand	923.85	
		For >10 To 100, Deduct	*-138.58*	
		For >100 To 250, Deduct	*-207.87*	
		For >250, Deduct	*-277.16*	
33 01 30 42-0017	EA	5' To 6' Diameter, Clean Out Blocked Manhole By Hand	1,108.62	
		For >10 To 100, Deduct	*-166.29*	
		For >100 To 250, Deduct	*-249.44*	
		For >250, Deduct	*-332.59*	
33 01 30 42-0018	EA	Clean Out Blocked Catch Basin By Hand	554.31	
		For >10 To 100, Deduct	*-83.15*	
		For >100 To 250, Deduct	*-124.72*	
		For >250, Deduct	*-166.29*	
33 01 30 42-0019		Cleaning Manholes And Drainage Structures With Jet/Vacuum *(33 01 30 42-0001)* Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.		
33 01 30 42-0020	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes	300.29	
33 01 30 42-0021	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes	279.17	
33 01 30 42-0022	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes	258.05	
33 01 30 42-0023	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes	236.94	
33 01 30 42-0024	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes	215.81	
33 01 30 42-0025	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes	194.70	
33 01 30 51		**Maintenance of Utilities** *(33 01 30)*		
33 01 30 51-0001		Pipe Repair *(33 01 30 51)* Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.		
33 01 30 51-0002		Pipe Repair Clamp, Full Circle, Single Band *(33 01 30 51-0001)* Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	130.29	
		For Stainless Steel Nuts And Bolts, Add	*20.64*	
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	184.38	
		For Stainless Steel Nuts And Bolts, Add	*31.10*	
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	212.73	
		For Stainless Steel Nuts And Bolts, Add	*36.63*	
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	242.19	
		For Stainless Steel Nuts And Bolts, Add	*42.14*	
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	140.47	
		For Stainless Steel Nuts And Bolts, Add	*22.41*	
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	195.93	
		For Stainless Steel Nuts And Bolts, Add	*33.19*	
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	224.31	
		For Stainless Steel Nuts And Bolts, Add	*38.59*	
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	258.98	
		For Stainless Steel Nuts And Bolts, Add	*45.15*	
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	150.86	
		For Stainless Steel Nuts And Bolts, Add	*24.52*	
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	203.72	
		For Stainless Steel Nuts And Bolts, Add	*34.70*	
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	235.27	
		For Stainless Steel Nuts And Bolts, Add	*40.68*	
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	273.91	
		For Stainless Steel Nuts And Bolts, Add	*48.30*	
33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	169.87	
		For Stainless Steel Nuts And Bolts, Add	*27.88*	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	224.05	
		For Stainless Steel Nuts And Bolts, Add	*37.53*	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	271.62	
		For Stainless Steel Nuts And Bolts, Add	*45.68*	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	327.20	
		For Stainless Steel Nuts And Bolts, Add	*55.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	426.95	
		For Stainless Steel Nuts And Bolts, Add	*74.02*	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	530.79	
		For Stainless Steel Nuts And Bolts, Add	*92.93*	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	647.28	
		For Stainless Steel Nuts And Bolts, Add	*113.99*	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	199.62	
		For Stainless Steel Nuts And Bolts, Add	*32.90*	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	264.76	
		For Stainless Steel Nuts And Bolts, Add	*44.63*	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	313.68	
		For Stainless Steel Nuts And Bolts, Add	*52.62*	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	367.73	
		For Stainless Steel Nuts And Bolts, Add	*61.15*	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	507.49	
		For Stainless Steel Nuts And Bolts, Add	*88.61*	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	616.92	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	736.82	
		For Stainless Steel Nuts And Bolts, Add	*129.12*	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	261.66	
		For Stainless Steel Nuts And Bolts, Add	*39.36*	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	339.61	
		For Stainless Steel Nuts And Bolts, Add	*52.08*	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	409.83	
		For Stainless Steel Nuts And Bolts, Add	*63.02*	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	489.49	
		For Stainless Steel Nuts And Bolts, Add	*75.10*	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	648.14	
		For Stainless Steel Nuts And Bolts, Add	*104.04*	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	775.20	
		For Stainless Steel Nuts And Bolts, Add	*124.41*	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	918.46	
		For Stainless Steel Nuts And Bolts, Add	*146.43*	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	305.60	
		For Stainless Steel Nuts And Bolts, Add	*47.90*	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	409.75	
		For Stainless Steel Nuts And Bolts, Add	*66.26*	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	482.83	
		For Stainless Steel Nuts And Bolts, Add	*77.47*	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	592.04	
		For Stainless Steel Nuts And Bolts, Add	*95.82*	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	775.59	
		For Stainless Steel Nuts And Bolts, Add	*129.97*	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	883.96	
		For Stainless Steel Nuts And Bolts, Add	*145.27*	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,135.44	
		For Stainless Steel Nuts And Bolts, Add	*191.65*	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	348.09	
		For Stainless Steel Nuts And Bolts, Add	*54.03*	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	453.91	
		For Stainless Steel Nuts And Bolts, Add	*71.86*	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	547.83	
		For Stainless Steel Nuts And Bolts, Add	*86.96*	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	673.51	
		For Stainless Steel Nuts And Bolts, Add	*108.06*	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	864.99	
		For Stainless Steel Nuts And Bolts, Add	*142.72*	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,017.76	
		For Stainless Steel Nuts And Bolts, Add	*166.67*	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,291.55	
		For Stainless Steel Nuts And Bolts, Add	*216.11*	
33 01 30 51-0050		**Pipe Repair Clamp, Full Circle, Double Bands** *(33 01 30 51-0001)*		
		Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	765.36	
		For Stainless Steel Nuts And Bolts, Add	*207.89*	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,083.35	
		For Stainless Steel Nuts And Bolts, Add	*300.12*	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,457.90	
		For Stainless Steel Nuts And Bolts, Add	*407.00*	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,143.15	
		For Stainless Steel Nuts And Bolts, Add	*613.43*	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	803.37	
		For Stainless Steel Nuts And Bolts, Add	*218.12*	
33 01 30 51-0056	EA	15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,134.11	
		For Stainless Steel Nuts And Bolts, Add	*314.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0057	EA	15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,522.58	
		For Stainless Steel Nuts And Bolts, Add	*424.56*	
33 01 30 51-0058	EA	15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,246.76	
		For Stainless Steel Nuts And Bolts, Add	*642.70*	
33 01 30 51-0059	EA	15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	824.24	
		For Stainless Steel Nuts And Bolts, Add	*222.53*	
33 01 30 51-0060	EA	15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,161.54	
		For Stainless Steel Nuts And Bolts, Add	*319.90*	
33 01 30 51-0061	EA	15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,563.03	
		For Stainless Steel Nuts And Bolts, Add	*434.08*	
33 01 30 51-0062	EA	15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,304.62	
		For Stainless Steel Nuts And Bolts, Add	*656.60*	
33 01 30 51-0063	EA	16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	846.21	
		For Stainless Steel Nuts And Bolts, Add	*226.92*	
33 01 30 51-0064	EA	16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,192.81	
		For Stainless Steel Nuts And Bolts, Add	*326.48*	
33 01 30 51-0065	EA	16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,602.55	
		For Stainless Steel Nuts And Bolts, Add	*442.13*	
33 01 30 51-0066	EA	16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,362.64	
		For Stainless Steel Nuts And Bolts, Add	*669.79*	
33 01 30 51-0067	EA	17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	866.06	
		For Stainless Steel Nuts And Bolts, Add	*230.58*	
33 01 30 51-0068	EA	17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,219.73	
		For Stainless Steel Nuts And Bolts, Add	*331.60*	
33 01 30 51-0069	EA	17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,642.05	
		For Stainless Steel Nuts And Bolts, Add	*450.18*	
33 01 30 51-0070	EA	17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,415.33	
		For Stainless Steel Nuts And Bolts, Add	*680.76*	
33 01 30 51-0071	EA	17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	884.75	
		For Stainless Steel Nuts And Bolts, Add	*234.25*	
33 01 30 51-0072	EA	17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,247.15	
		For Stainless Steel Nuts And Bolts, Add	*337.45*	
33 01 30 51-0073	EA	17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,677.19	
		For Stainless Steel Nuts And Bolts, Add	*457.50*	
33 01 30 51-0074	EA	17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,449.53	
		For Stainless Steel Nuts And Bolts, Add	*686.25*	
33 01 30 51-0075	EA	18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	906.08	
		For Stainless Steel Nuts And Bolts, Add	*238.81*	
33 01 30 51-0076	EA	18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,279.42	
		For Stainless Steel Nuts And Bolts, Add	*344.77*	
33 01 30 51-0077	EA	18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,714.42	
		For Stainless Steel Nuts And Bolts, Add	*465.55*	
33 01 30 51-0078	EA	18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,523.60	
		For Stainless Steel Nuts And Bolts, Add	*705.65*	

33 01 30 51-0079 PolySeal Pipe Coupler *(33 01 30 51-0001)*

33 01 30 51-0080	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac)	354.21	
33 01 30 51-0081	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac)	399.87	

33 01 30 70 Rehabilitation of Sewer Utilities *(33 01 30)*

33 01 30 70-0001 Cementitious Pipe Coatings By Hand *(33 01 30 70)*

Note: To be used on repair areas to install the coating on the exposed portion of the pipe.

33 01 30 70-0002	SF	Up To 1" Thick Cementitious Coating On Pipe, Troweled On	10.36	
33 01 30 70-0003	SF	>1" To 2" Thick Cementitious Coating On Pipe, Troweled On	15.71	

33 01 30 71 Relining Sewers *(33 01 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0001		**Relining Underground Pipelines** *(33 01 30 71)* Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hour response for owners' backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 71-0002		**Lining Pipe, Spray Applied With Structural Polyurethane** *(33 01 30 71-0001)* Note: Two part structural polyurethane.		
33 01 30 71-0003		**Mobilization And Setup For Spray Applied Structural Polyurethane Lining** *(33 01 30 71-0002)*		
33 01 30 71-0004	EA	Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining	1,927.98	
33 01 30 71-0005		**Lining Pipe, Spray Applied With 100 mil Structural Polyurethane** *(33 01 30 71-0002)* Note: Two part structural polyurethane.		
33 01 30 71-0006	LF	36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	61.29	
		For Up To 75, Add	*13.30*	
		For >75 To 150, Add	*6.13*	
		For >500 To 1,000, Deduct	*-1.64*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000 To 5,000, Deduct	*-4.93*	
		For >5,000, Deduct	*-7.17*	
33 01 30 71-0007	LF	42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	71.50	
		For Up To 75, Add	*15.51*	
		For >75 To 150, Add	*7.15*	
		For >500 To 1,000, Deduct	*-1.92*	
		For >1,000 To 2,000, Deduct	*-3.71*	
		For >2,000 To 5,000, Deduct	*-5.75*	
		For >5,000, Deduct	*-8.36*	
33 01 30 71-0008	LF	48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	81.72	
		For Up To 75, Add	*17.73*	
		For >75 To 150, Add	*8.17*	
		For >500 To 1,000, Deduct	*-2.19*	
		For >1,000 To 2,000, Deduct	*-4.24*	
		For >2,000 To 5,000, Deduct	*-6.57*	
		For >5,000, Deduct	*-9.56*	
33 01 30 71-0009	LF	54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	91.93	
		For Up To 75, Add	*19.95*	
		For >75 To 150, Add	*9.19*	
		For >500 To 1,000, Deduct	*-2.46*	
		For >1,000 To 2,000, Deduct	*-4.77*	
		For >2,000 To 5,000, Deduct	*-7.39*	
		For >5,000, Deduct	*-10.75*	
33 01 30 71-0010	LF	60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	102.15	
		For Up To 75, Add	*22.16*	
		For >75 To 150, Add	*10.22*	
		For >500 To 1,000, Deduct	*-2.74*	
		For >1,000 To 2,000, Deduct	*-5.30*	
		For >2,000 To 5,000, Deduct	*-8.21*	
		For >5,000, Deduct	*-11.95*	
33 01 30 71-0011	LF	66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	112.36	
		For Up To 75, Add	*24.38*	
		For >75 To 150, Add	*11.24*	
		For >500 To 1,000, Deduct	*-3.01*	
		For >1,000 To 2,000, Deduct	*-5.83*	
		For >2,000 To 5,000, Deduct	*-9.03*	
		For >5,000, Deduct	*-13.14*	
33 01 30 71-0012	LF	72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	122.56	
		For Up To 75, Add	*26.59*	
		For >75 To 150, Add	*12.26*	
		For >500 To 1,000, Deduct	*-3.28*	
		For >1,000 To 2,000, Deduct	*-6.36*	
		For >2,000 To 5,000, Deduct	*-9.85*	
		For >5,000, Deduct	*-14.34*	
33 01 30 71-0013	LF	78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	132.77	
		For Up To 75, Add	*28.81*	
		For >75 To 150, Add	*13.28*	
		For >500 To 1,000, Deduct	*-3.56*	
		For >1,000 To 2,000, Deduct	*-6.89*	
		For >2,000 To 5,000, Deduct	*-10.67*	
		For >5,000, Deduct	*-15.53*	
33 01 30 71-0014	LF	84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	142.99	
		For Up To 75, Add	*31.02*	
		For >75 To 150, Add	*14.30*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000 To 2,000, Deduct	*-7.42*	
		For >2,000 To 5,000, Deduct	*-11.49*	
		For >5,000, Deduct	*-16.73*	
33 01 30 71-0015	LF	90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	153.20	
		For Up To 75, Add	*33.24*	
		For >75 To 150, Add	*15.32*	
		For >500 To 1,000, Deduct	*-4.10*	
		For >1,000 To 2,000, Deduct	*-7.95*	
		For >2,000 To 5,000, Deduct	*-12.31*	
		For >5,000, Deduct	*-17.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0016	LF	96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	163.42	
		For Up To 75, Add	*35.46*	
		For >75 To 150, Add	*16.34*	
		For >500 To 1,000, Deduct	*-4.38*	
		For >1,000 To 2,000, Deduct	*-8.48*	
		For >2,000 To 5,000, Deduct	*-13.13*	
		For >5,000, Deduct	*-19.12*	
33 01 30 71-0017	LF	102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	173.64	
		For Up To 75, Add	*37.67*	
		For >75 To 150, Add	*17.36*	
		For >500 To 1,000, Deduct	*-4.65*	
		For >1,000 To 2,000, Deduct	*-9.01*	
		For >2,000 To 5,000, Deduct	*-13.95*	
		For >5,000, Deduct	*-20.31*	
33 01 30 71-0018	LF	108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	183.85	
		For Up To 75, Add	*39.89*	
		For >75 To 150, Add	*18.39*	
		For >500 To 1,000, Deduct	*-4.92*	
		For >1,000 To 2,000, Deduct	*-9.54*	
		For >2,000 To 5,000, Deduct	*-14.77*	
		For >5,000, Deduct	*-21.50*	
33 01 30 71-0019	LF	114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	194.07	
		For Up To 75, Add	*42.11*	
		For >75 To 150, Add	*19.41*	
		For >500 To 1,000, Deduct	*-5.20*	
		For >1,000 To 2,000, Deduct	*-10.07*	
		For >2,000 To 5,000, Deduct	*-15.60*	
		For >5,000, Deduct	*-22.70*	
33 01 30 71-0020	LF	120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane	204.28	
		For Up To 75, Add	*44.32*	
		For >75 To 150, Add	*20.43*	
		For >500 To 1,000, Deduct	*-5.47*	
		For >1,000 To 2,000, Deduct	*-10.60*	
		For >2,000 To 5,000, Deduct	*-16.42*	
		For >5,000, Deduct	*-23.89*	
33 01 30 71-0021	SF	Structure Lining, Spray Applied With 100 mil Structural Polyurethane	6.50	

33 01 30 71-0022 Lining Pipe, Spray Applied With 150 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0023	LF	36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	82.67	
		For Up To 75, Add	*17.63*	
		For >75 To 150, Add	*8.27*	
		For >500 To 1,000, Deduct	*-2.09*	
		For >1,000 To 2,000, Deduct	*-4.07*	
		For >2,000 To 5,000, Deduct	*-6.27*	
		For >5,000, Deduct	*-9.36*	
33 01 30 71-0024	LF	42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	96.44	
		For Up To 75, Add	*20.57*	
		For >75 To 150, Add	*9.64*	
		For >500 To 1,000, Deduct	*-2.44*	
		For >1,000 To 2,000, Deduct	*-4.75*	
		For >2,000 To 5,000, Deduct	*-7.32*	
		For >5,000, Deduct	*-10.92*	
33 01 30 71-0025	LF	48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	110.21	
		For Up To 75, Add	*23.50*	
		For >75 To 150, Add	*11.02*	
		For >500 To 1,000, Deduct	*-2.79*	
		For >1,000 To 2,000, Deduct	*-5.43*	
		For >2,000 To 5,000, Deduct	*-8.36*	
		For >5,000, Deduct	*-12.48*	
33 01 30 71-0026	LF	54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	123.98	
		For Up To 75, Add	*26.44*	
		For >75 To 150, Add	*12.40*	
		For >500 To 1,000, Deduct	*-3.14*	
		For >1,000 To 2,000, Deduct	*-6.11*	
		For >2,000 To 5,000, Deduct	*-9.41*	
		For >5,000, Deduct	*-14.04*	
33 01 30 71-0027	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	137.76	
		For Up To 75, Add	*29.38*	
		For >75 To 150, Add	*13.78*	
		For >500 To 1,000, Deduct	*-3.48*	
		For >1,000 To 2,000, Deduct	*-6.79*	
		For >2,000 To 5,000, Deduct	*-10.45*	
		For >5,000, Deduct	*-15.60*	
33 01 30 71-0028	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	151.54	
		For Up To 75, Add	*32.31*	
		For >75 To 150, Add	*15.15*	
		For >500 To 1,000, Deduct	*-3.83*	
		For >1,000 To 2,000, Deduct	*-7.47*	
		For >2,000 To 5,000, Deduct	*-11.50*	
		For >5,000, Deduct	*-17.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0029	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	165.32	
		For Up To 75, Add	*35.25*	
		For >75 To 150, Add	*16.53*	
		For >500 To 1,000, Deduct	*-4.18*	
		For >1,000 To 2,000, Deduct	*-8.15*	
		For >2,000 To 5,000, Deduct	*-12.55*	
		For >5,000, Deduct	*-18.72*	
33 01 30 71-0030	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	179.09	
		For Up To 75, Add	*38.19*	
		For >75 To 150, Add	*17.91*	
		For >500 To 1,000, Deduct	*-4.53*	
		For >1,000 To 2,000, Deduct	*-8.82*	
		For >2,000 To 5,000, Deduct	*-13.59*	
		For >5,000, Deduct	*-20.28*	
33 01 30 71-0031	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	192.87	
		For Up To 75, Add	*41.13*	
		For >75 To 150, Add	*19.29*	
		For >500 To 1,000, Deduct	*-4.88*	
		For >1,000 To 2,000, Deduct	*-9.50*	
		For >2,000 To 5,000, Deduct	*-14.64*	
		For >5,000, Deduct	*-21.84*	
33 01 30 71-0032	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	206.64	
		For Up To 75, Add	*44.06*	
		For >75 To 150, Add	*20.66*	
		For >500 To 1,000, Deduct	*-5.23*	
		For >1,000 To 2,000, Deduct	*-10.18*	
		For >2,000 To 5,000, Deduct	*-15.68*	
		For >5,000, Deduct	*-23.40*	
33 01 30 71-0033	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	220.43	
		For Up To 75, Add	*47.01*	
		For >75 To 150, Add	*22.04*	
		For >500 To 1,000, Deduct	*-5.58*	
		For >1,000 To 2,000, Deduct	*-10.86*	
		For >2,000 To 5,000, Deduct	*-16.73*	
		For >5,000, Deduct	*-24.96*	
33 01 30 71-0034	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	234.20	
		For Up To 75, Add	*49.94*	
		For >75 To 150, Add	*23.42*	
		For >500 To 1,000, Deduct	*-5.92*	
		For >1,000 To 2,000, Deduct	*-11.54*	
		For >2,000 To 5,000, Deduct	*-17.77*	
		For >5,000, Deduct	*-26.52*	
33 01 30 71-0035	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	247.98	
		For Up To 75, Add	*52.88*	
		For >75 To 150, Add	*24.80*	
		For >500 To 1,000, Deduct	*-6.27*	
		For >1,000 To 2,000, Deduct	*-12.22*	
		For >2,000 To 5,000, Deduct	*-18.82*	
		For >5,000, Deduct	*-28.08*	
33 01 30 71-0036	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	261.75	
		For Up To 75, Add	*55.82*	
		For >75 To 150, Add	*26.18*	
		For >500 To 1,000, Deduct	*-6.62*	
		For >1,000 To 2,000, Deduct	*-12.90*	
		For >2,000 To 5,000, Deduct	*-19.86*	
		For >5,000, Deduct	*-29.64*	
33 01 30 71-0037	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane	275.54	
		For Up To 75, Add	*58.76*	
		For >75 To 150, Add	*27.55*	
		For >500 To 1,000, Deduct	*-6.97*	
		For >1,000 To 2,000, Deduct	*-13.58*	
		For >2,000 To 5,000, Deduct	*-20.91*	
		For >5,000, Deduct	*-31.20*	
33 01 30 71-0038	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane	8.78	

33 01 30 71-0039 Lining Pipe, Spray Applied With 200 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0040	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	104.01	
		For Up To 75, Add	*21.95*	
		For >75 To 150, Add	*10.40*	
		For >500 To 1,000, Deduct	*-2.54*	
		For >1,000 To 2,000, Deduct	*-4.97*	
		For >2,000 To 5,000, Deduct	*-7.62*	
		For >5,000, Deduct	*-11.55*	
33 01 30 71-0041	LF	42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	121.36	
		For Up To 75, Add	*25.62*	
		For >75 To 150, Add	*12.14*	
		For >500 To 1,000, Deduct	*-2.97*	
		For >1,000 To 2,000, Deduct	*-5.80*	
		For >2,000 To 5,000, Deduct	*-8.90*	
		For >5,000, Deduct	*-13.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0042	LF	48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	138.69	
		For Up To 75, Add	*29.27*	
		For >75 To 150, Add	*13.87*	
		For >500 To 1,000, Deduct	*-3.39*	
		For >1,000 To 2,000, Deduct	*-6.62*	
		For >2,000 To 5,000, Deduct	*-10.17*	
		For >5,000, Deduct	*-15.41*	
33 01 30 71-0043	LF	54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	156.03	
		For Up To 75, Add	*32.93*	
		For >75 To 150, Add	*15.60*	
		For >500 To 1,000, Deduct	*-3.81*	
		For >1,000 To 2,000, Deduct	*-7.45*	
		For >2,000 To 5,000, Deduct	*-11.44*	
		For >5,000, Deduct	*-17.33*	
33 01 30 71-0044	LF	60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	173.36	
		For Up To 75, Add	*36.59*	
		For >75 To 150, Add	*17.34*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000 To 2,000, Deduct	*-8.28*	
		For >2,000 To 5,000, Deduct	*-12.71*	
		For >5,000, Deduct	*-19.26*	
33 01 30 71-0045	LF	66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	190.69	
		For Up To 75, Add	*40.25*	
		For >75 To 150, Add	*19.07*	
		For >500 To 1,000, Deduct	*-4.66*	
		For >1,000 To 2,000, Deduct	*-9.11*	
		For >2,000 To 5,000, Deduct	*-13.98*	
		For >5,000, Deduct	*-21.18*	
33 01 30 71-0046	LF	72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	208.04	
		For Up To 75, Add	*43.91*	
		For >75 To 150, Add	*20.80*	
		For >500 To 1,000, Deduct	*-5.08*	
		For >1,000 To 2,000, Deduct	*-9.93*	
		For >2,000 To 5,000, Deduct	*-15.25*	
		For >5,000, Deduct	*-23.11*	
33 01 30 71-0047	LF	78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	225.37	
		For Up To 75, Add	*47.57*	
		For >75 To 150, Add	*22.54*	
		For >500 To 1,000, Deduct	*-5.51*	
		For >1,000 To 2,000, Deduct	*-10.76*	
		For >2,000 To 5,000, Deduct	*-16.52*	
		For >5,000, Deduct	*-25.03*	
33 01 30 71-0048	LF	84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	242.71	
		For Up To 75, Add	*51.23*	
		For >75 To 150, Add	*24.27*	
		For >500 To 1,000, Deduct	*-5.93*	
		For >1,000 To 2,000, Deduct	*-11.59*	
		For >2,000 To 5,000, Deduct	*-17.79*	
		For >5,000, Deduct	*-26.96*	
33 01 30 71-0049	LF	90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	260.03	
		For Up To 75, Add	*54.89*	
		For >75 To 150, Add	*26.00*	
		For >500 To 1,000, Deduct	*-6.35*	
		For >1,000 To 2,000, Deduct	*-12.42*	
		For >2,000 To 5,000, Deduct	*-19.06*	
		For >5,000, Deduct	*-28.88*	
33 01 30 71-0050	LF	96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	277.38	
		For Up To 75, Add	*58.55*	
		For >75 To 150, Add	*27.74*	
		For >500 To 1,000, Deduct	*-6.78*	
		For >1,000 To 2,000, Deduct	*-13.25*	
		For >2,000 To 5,000, Deduct	*-20.33*	
		For >5,000, Deduct	*-30.81*	
33 01 30 71-0051	LF	102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	294.71	
		For Up To 75, Add	*62.21*	
		For >75 To 150, Add	*29.47*	
		For >500 To 1,000, Deduct	*-7.20*	
		For >1,000 To 2,000, Deduct	*-14.07*	
		For >2,000 To 5,000, Deduct	*-21.60*	
		For >5,000, Deduct	*-32.74*	
33 01 30 71-0052	LF	108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	312.05	
		For Up To 75, Add	*65.87*	
		For >75 To 150, Add	*31.21*	
		For >500 To 1,000, Deduct	*-7.62*	
		For >1,000 To 2,000, Deduct	*-14.90*	
		For >2,000 To 5,000, Deduct	*-22.87*	
		For >5,000, Deduct	*-34.66*	
33 01 30 71-0053	LF	114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	329.40	
		For Up To 75, Add	*69.53*	
		For >75 To 150, Add	*32.94*	
		For >500 To 1,000, Deduct	*-8.05*	
		For >1,000 To 2,000, Deduct	*-15.73*	
		For >2,000 To 5,000, Deduct	*-24.14*	
		For >5,000, Deduct	*-36.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0054	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane	346.72	
		For Up To 75, Add	*73.18*	
		For >75 To 150, Add	*34.67*	
		For >500 To 1,000, Deduct	*-8.47*	
		For >1,000 To 2,000, Deduct	*-16.56*	
		For >2,000 To 5,000, Deduct	*-25.41*	
		For >5,000, Deduct	*-38.51*	
33 01 30 71-0055	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane	11.03	

33 01 30 71-0056 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0057	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	125.48	
		For Up To 75, Add	*26.31*	
		For >75 To 150, Add	*12.55*	
		For >500 To 1,000, Deduct	*-2.99*	
		For >1,000 To 2,000, Deduct	*-5.87*	
		For >2,000 To 5,000, Deduct	*-8.98*	
		For >5,000, Deduct	*-13.76*	
33 01 30 71-0058	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	146.39	
		For Up To 75, Add	*30.69*	
		For >75 To 150, Add	*14.64*	
		For >500 To 1,000, Deduct	*-3.49*	
		For >1,000 To 2,000, Deduct	*-6.85*	
		For >2,000 To 5,000, Deduct	*-10.48*	
		For >5,000, Deduct	*-16.05*	
33 01 30 71-0059	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	167.30	
		For Up To 75, Add	*35.08*	
		For >75 To 150, Add	*16.73*	
		For >500 To 1,000, Deduct	*-3.99*	
		For >1,000 To 2,000, Deduct	*-7.82*	
		For >2,000 To 5,000, Deduct	*-11.98*	
		For >5,000, Deduct	*-18.35*	
33 01 30 71-0060	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	188.21	
		For Up To 75, Add	*39.46*	
		For >75 To 150, Add	*18.82*	
		For >500 To 1,000, Deduct	*-4.49*	
		For >1,000 To 2,000, Deduct	*-8.80*	
		For >2,000 To 5,000, Deduct	*-13.48*	
		For >5,000, Deduct	*-20.64*	
33 01 30 71-0061	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	209.12	
		For Up To 75, Add	*43.85*	
		For >75 To 150, Add	*20.91*	
		For >500 To 1,000, Deduct	*-4.99*	
		For >1,000 To 2,000, Deduct	*-9.78*	
		For >2,000 To 5,000, Deduct	*-14.97*	
		For >5,000, Deduct	*-22.93*	
33 01 30 71-0062	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	230.02	
		For Up To 75, Add	*48.23*	
		For >75 To 150, Add	*23.00*	
		For >500 To 1,000, Deduct	*-5.49*	
		For >1,000 To 2,000, Deduct	*-10.76*	
		For >2,000 To 5,000, Deduct	*-16.47*	
		For >5,000, Deduct	*-25.23*	
33 01 30 71-0063	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	250.94	
		For Up To 75, Add	*52.61*	
		For >75 To 150, Add	*25.09*	
		For >500 To 1,000, Deduct	*-5.99*	
		For >1,000 To 2,000, Deduct	*-11.74*	
		For >2,000 To 5,000, Deduct	*-17.97*	
		For >5,000, Deduct	*-27.52*	
33 01 30 71-0064	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	271.86	
		For Up To 75, Add	*57.00*	
		For >75 To 150, Add	*27.19*	
		For >500 To 1,000, Deduct	*-6.49*	
		For >1,000 To 2,000, Deduct	*-12.71*	
		For >2,000 To 5,000, Deduct	*-19.47*	
		For >5,000, Deduct	*-29.81*	
33 01 30 71-0065	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	292.77	
		For Up To 75, Add	*61.38*	
		For >75 To 150, Add	*29.28*	
		For >500 To 1,000, Deduct	*-6.99*	
		For >1,000 To 2,000, Deduct	*-13.69*	
		For >2,000 To 5,000, Deduct	*-20.96*	
		For >5,000, Deduct	*-32.11*	
33 01 30 71-0066	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	313.69	
		For Up To 75, Add	*65.77*	
		For >75 To 150, Add	*31.37*	
		For >500 To 1,000, Deduct	*-7.49*	
		For >1,000 To 2,000, Deduct	*-14.67*	
		For >2,000 To 5,000, Deduct	*-22.46*	
		For >5,000, Deduct	*-34.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0067	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	334.59	
		For Up To 75, Add	*70.15*	
		For >75 To 150, Add	*33.46*	
		For >500 To 1,000, Deduct	*-7.99*	
		For >1,000 To 2,000, Deduct	*-15.65*	
		For >2,000 To 5,000, Deduct	*-23.96*	
		For >5,000, Deduct	*-36.69*	
33 01 30 71-0068	LF	102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	355.50	
		For Up To 75, Add	*74.54*	
		For >75 To 150, Add	*35.55*	
		For >500 To 1,000, Deduct	*-8.48*	
		For >1,000 To 2,000, Deduct	*-16.63*	
		For >2,000 To 5,000, Deduct	*-25.45*	
		For >5,000, Deduct	*-38.99*	
33 01 30 71-0069	LF	108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	376.42	
		For Up To 75, Add	*78.92*	
		For >75 To 150, Add	*37.64*	
		For >500 To 1,000, Deduct	*-8.98*	
		For >1,000 To 2,000, Deduct	*-17.60*	
		For >2,000 To 5,000, Deduct	*-26.95*	
		For >5,000, Deduct	*-41.28*	
33 01 30 71-0070	LF	114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	397.33	
		For Up To 75, Add	*83.31*	
		For >75 To 150, Add	*39.73*	
		For >500 To 1,000, Deduct	*-9.48*	
		For >1,000 To 2,000, Deduct	*-18.58*	
		For >2,000 To 5,000, Deduct	*-28.45*	
		For >5,000, Deduct	*-43.57*	
33 01 30 71-0071	LF	120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane	418.24	
		For Up To 75, Add	*87.69*	
		For >75 To 150, Add	*41.82*	
		For >500 To 1,000, Deduct	*-9.98*	
		For >1,000 To 2,000, Deduct	*-19.56*	
		For >2,000 To 5,000, Deduct	*-29.95*	
		For >5,000, Deduct	*-45.87*	
33 01 30 71-0072	SF	Structure Lining, Spray Applied With 250 mil Structural Polyurethane	13.31	

33 01 30 71-0073 Lining Pipe, Spray Applied With 300 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0074	LF	36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	147.08	
		For Up To 75, Add	*30.69*	
		For >75 To 150, Add	*14.71*	
		For >500 To 1,000, Deduct	*-3.45*	
		For >1,000 To 2,000, Deduct	*-6.78*	
		For >2,000 To 5,000, Deduct	*-10.36*	
		For >5,000, Deduct	*-15.99*	
33 01 30 71-0075	LF	42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	171.57	
		For Up To 75, Add	*35.80*	
		For >75 To 150, Add	*17.16*	
		For >500 To 1,000, Deduct	*-4.03*	
		For >1,000 To 2,000, Deduct	*-7.91*	
		For >2,000 To 5,000, Deduct	*-12.08*	
		For >5,000, Deduct	*-18.65*	
33 01 30 71-0076	LF	48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	196.10	
		For Up To 75, Add	*40.92*	
		For >75 To 150, Add	*19.61*	
		For >500 To 1,000, Deduct	*-4.60*	
		For >1,000 To 2,000, Deduct	*-9.04*	
		For >2,000 To 5,000, Deduct	*-13.81*	
		For >5,000, Deduct	*-21.31*	
33 01 30 71-0077	LF	54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	220.60	
		For Up To 75, Add	*46.04*	
		For >75 To 150, Add	*22.06*	
		For >500 To 1,000, Deduct	*-5.18*	
		For >1,000 To 2,000, Deduct	*-10.16*	
		For >2,000 To 5,000, Deduct	*-15.53*	
		For >5,000, Deduct	*-23.98*	
33 01 30 71-0078	LF	60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	245.12	
		For Up To 75, Add	*51.15*	
		For >75 To 150, Add	*24.51*	
		For >500 To 1,000, Deduct	*-5.75*	
		For >1,000 To 2,000, Deduct	*-11.29*	
		For >2,000 To 5,000, Deduct	*-17.26*	
		For >5,000, Deduct	*-26.64*	
33 01 30 71-0079	LF	66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	269.63	
		For Up To 75, Add	*56.27*	
		For >75 To 150, Add	*26.96*	
		For >500 To 1,000, Deduct	*-6.33*	
		For >1,000 To 2,000, Deduct	*-12.42*	
		For >2,000 To 5,000, Deduct	*-18.99*	
		For >5,000, Deduct	*-29.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0080	LF	72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	294.13	
		For Up To 75, Add	*61.38*	
		For >75 To 150, Add	*29.41*	
		For >500 To 1,000, Deduct	*-6.90*	
		For >1,000 To 2,000, Deduct	*-13.55*	
		For >2,000 To 5,000, Deduct	*-20.71*	
		For >5,000, Deduct	*-31.97*	
33 01 30 71-0081	LF	78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	318.65	
		For Up To 75, Add	*66.50*	
		For >75 To 150, Add	*31.87*	
		For >500 To 1,000, Deduct	*-7.48*	
		For >1,000 To 2,000, Deduct	*-14.68*	
		For >2,000 To 5,000, Deduct	*-22.44*	
		For >5,000, Deduct	*-34.63*	
33 01 30 71-0082	LF	84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	343.16	
		For Up To 75, Add	*71.61*	
		For >75 To 150, Add	*34.32*	
		For >500 To 1,000, Deduct	*-8.05*	
		For >1,000 To 2,000, Deduct	*-15.81*	
		For >2,000 To 5,000, Deduct	*-24.16*	
		For >5,000, Deduct	*-37.30*	
33 01 30 71-0083	LF	90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	367.67	
		For Up To 75, Add	*76.73*	
		For >75 To 150, Add	*36.77*	
		For >500 To 1,000, Deduct	*-8.63*	
		For >1,000 To 2,000, Deduct	*-16.94*	
		For >2,000 To 5,000, Deduct	*-25.89*	
		For >5,000, Deduct	*-39.96*	
33 01 30 71-0084	LF	96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	392.19	
		For Up To 75, Add	*81.84*	
		For >75 To 150, Add	*39.22*	
		For >500 To 1,000, Deduct	*-9.21*	
		For >1,000 To 2,000, Deduct	*-18.07*	
		For >2,000 To 5,000, Deduct	*-27.62*	
		For >5,000, Deduct	*-42.62*	
33 01 30 71-0085	LF	102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	416.70	
		For Up To 75, Add	*86.96*	
		For >75 To 150, Add	*41.67*	
		For >500 To 1,000, Deduct	*-9.78*	
		For >1,000 To 2,000, Deduct	*-19.20*	
		For >2,000 To 5,000, Deduct	*-29.34*	
		For >5,000, Deduct	*-45.29*	
33 01 30 71-0086	LF	108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	441.21	
		For Up To 75, Add	*92.07*	
		For >75 To 150, Add	*44.12*	
		For >500 To 1,000, Deduct	*-10.36*	
		For >1,000 To 2,000, Deduct	*-20.33*	
		For >2,000 To 5,000, Deduct	*-31.07*	
		For >5,000, Deduct	*-47.95*	
33 01 30 71-0087	LF	114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	465.71	
		For Up To 75, Add	*97.18*	
		For >75 To 150, Add	*46.57*	
		For >500 To 1,000, Deduct	*-10.93*	
		For >1,000 To 2,000, Deduct	*-21.46*	
		For >2,000 To 5,000, Deduct	*-32.79*	
		For >5,000, Deduct	*-50.61*	
33 01 30 71-0088	LF	120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane	490.23	
		For Up To 75, Add	*102.30*	
		For >75 To 150, Add	*49.02*	
		For >500 To 1,000, Deduct	*-11.51*	
		For >1,000 To 2,000, Deduct	*-22.59*	
		For >2,000 To 5,000, Deduct	*-34.52*	
		For >5,000, Deduct	*-53.28*	
33 01 30 71-0089	SF	Structure Lining, Spray Applied With 300 mil Structural Polyurethane	15.61	

33 01 30 71-0090 Lining Pipe, Spray Applied With 400 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0091	LF	36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	190.32	
		For Up To 75, Add	*39.48*	
		For >75 To 150, Add	*19.03*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000 To 2,000, Deduct	*-8.61*	
		For >2,000 To 5,000, Deduct	*-13.12*	
		For >5,000, Deduct	*-20.45*	
33 01 30 71-0092	LF	42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	222.05	
		For Up To 75, Add	*46.07*	
		For >75 To 150, Add	*22.21*	
		For >500 To 1,000, Deduct	*-5.10*	
		For >1,000 To 2,000, Deduct	*-10.04*	
		For >2,000 To 5,000, Deduct	*-15.31*	
		For >5,000, Deduct	*-23.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0093	LF	48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	253.76	
		For Up To 75, Add	*52.64*	
		For >75 To 150, Add	*25.38*	
		For >500 To 1,000, Deduct	*-5.83*	
		For >1,000 To 2,000, Deduct	*-11.47*	
		For >2,000 To 5,000, Deduct	*-17.50*	
		For >5,000, Deduct	*-27.27*	
33 01 30 71-0094	LF	54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	285.48	
		For Up To 75, Add	*59.22*	
		For >75 To 150, Add	*28.55*	
		For >500 To 1,000, Deduct	*-6.56*	
		For >1,000 To 2,000, Deduct	*-12.91*	
		For >2,000 To 5,000, Deduct	*-19.68*	
		For >5,000, Deduct	*-30.68*	
33 01 30 71-0095	LF	60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	317.20	
		For Up To 75, Add	*65.80*	
		For >75 To 150, Add	*31.72*	
		For >500 To 1,000, Deduct	*-7.29*	
		For >1,000 To 2,000, Deduct	*-14.34*	
		For >2,000 To 5,000, Deduct	*-21.87*	
		For >5,000, Deduct	*-34.08*	
33 01 30 71-0096	LF	66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	348.92	
		For Up To 75, Add	*72.39*	
		For >75 To 150, Add	*34.89*	
		For >500 To 1,000, Deduct	*-8.02*	
		For >1,000 To 2,000, Deduct	*-15.78*	
		For >2,000 To 5,000, Deduct	*-24.06*	
		For >5,000, Deduct	*-37.49*	
33 01 30 71-0097	LF	72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	380.63	
		For Up To 75, Add	*78.96*	
		For >75 To 150, Add	*38.06*	
		For >500 To 1,000, Deduct	*-8.75*	
		For >1,000 To 2,000, Deduct	*-17.21*	
		For >2,000 To 5,000, Deduct	*-26.24*	
		For >5,000, Deduct	*-40.90*	
33 01 30 71-0098	LF	78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	412.35	
		For Up To 75, Add	*85.54*	
		For >75 To 150, Add	*41.24*	
		For >500 To 1,000, Deduct	*-9.48*	
		For >1,000 To 2,000, Deduct	*-18.65*	
		For >2,000 To 5,000, Deduct	*-28.43*	
		For >5,000, Deduct	*-44.31*	
33 01 30 71-0099	LF	84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	444.07	
		For Up To 75, Add	*92.12*	
		For >75 To 150, Add	*44.41*	
		For >500 To 1,000, Deduct	*-10.21*	
		For >1,000 To 2,000, Deduct	*-20.08*	
		For >2,000 To 5,000, Deduct	*-30.62*	
		For >5,000, Deduct	*-47.72*	
33 01 30 71-0100	LF	90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	475.80	
		For Up To 75, Add	*98.71*	
		For >75 To 150, Add	*47.58*	
		For >500 To 1,000, Deduct	*-10.93*	
		For >1,000 To 2,000, Deduct	*-21.51*	
		For >2,000 To 5,000, Deduct	*-32.80*	
		For >5,000, Deduct	*-51.13*	
33 01 30 71-0101	LF	96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	507.51	
		For Up To 75, Add	*105.28*	
		For >75 To 150, Add	*50.75*	
		For >500 To 1,000, Deduct	*-11.66*	
		For >1,000 To 2,000, Deduct	*-22.95*	
		For >2,000 To 5,000, Deduct	*-34.99*	
		For >5,000, Deduct	*-54.53*	
33 01 30 71-0102	LF	102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	539.23	
		For Up To 75, Add	*111.87*	
		For >75 To 150, Add	*53.92*	
		For >500 To 1,000, Deduct	*-12.39*	
		For >1,000 To 2,000, Deduct	*-24.38*	
		For >2,000 To 5,000, Deduct	*-37.18*	
		For >5,000, Deduct	*-57.94*	
33 01 30 71-0103	LF	108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	570.95	
		For Up To 75, Add	*118.45*	
		For >75 To 150, Add	*57.10*	
		For >500 To 1,000, Deduct	*-13.12*	
		For >1,000 To 2,000, Deduct	*-25.82*	
		For >2,000 To 5,000, Deduct	*-39.36*	
		For >5,000, Deduct	*-61.35*	
33 01 30 71-0104	LF	114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	602.67	
		For Up To 75, Add	*125.03*	
		For >75 To 150, Add	*60.27*	
		For >500 To 1,000, Deduct	*-13.85*	
		For >1,000 To 2,000, Deduct	*-27.25*	
		For >2,000 To 5,000, Deduct	*-41.55*	
		For >5,000, Deduct	*-64.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0105	LF	120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane	634.39	
		For Up To 75, Add	*131.61*	
		For >75 To 150, Add	*63.44*	
		For >500 To 1,000, Deduct	*-14.58*	
		For >1,000 To 2,000, Deduct	*-28.69*	
		For >2,000 To 5,000, Deduct	*-43.74*	
		For >5,000, Deduct	*-68.17*	
33 01 30 71-0106	SF	Structure Lining, Spray Applied With 400 mil Structural Polyurethane	20.19	

33 01 30 71-0107 Lining Pipe, Spray Applied With 500 mil Structural Polyurethane *(33 01 30 71-0002)*

Note: Two part structural polyurethane.

33 01 30 71-0108	LF	36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	233.95	
		For Up To 75, Add	*48.37*	
		For >75 To 150, Add	*23.40*	
		For >500 To 1,000, Deduct	*-5.31*	
		For >1,000 To 2,000, Deduct	*-10.46*	
		For >2,000 To 5,000, Deduct	*-15.93*	
		For >5,000, Deduct	*-24.97*	
33 01 30 71-0109	LF	42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	272.95	
		For Up To 75, Add	*56.43*	
		For >75 To 150, Add	*27.30*	
		For >500 To 1,000, Deduct	*-6.19*	
		For >1,000 To 2,000, Deduct	*-12.21*	
		For >2,000 To 5,000, Deduct	*-18.58*	
		For >5,000, Deduct	*-29.13*	
33 01 30 71-0110	LF	48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	311.94	
		For Up To 75, Add	*64.49*	
		For >75 To 150, Add	*31.19*	
		For >500 To 1,000, Deduct	*-7.08*	
		For >1,000 To 2,000, Deduct	*-13.95*	
		For >2,000 To 5,000, Deduct	*-21.24*	
		For >5,000, Deduct	*-33.30*	
33 01 30 71-0111	LF	54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	350.94	
		For Up To 75, Add	*72.55*	
		For >75 To 150, Add	*35.09*	
		For >500 To 1,000, Deduct	*-7.96*	
		For >1,000 To 2,000, Deduct	*-15.69*	
		For >2,000 To 5,000, Deduct	*-23.89*	
		For >5,000, Deduct	*-37.46*	
33 01 30 71-0112	LF	60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	389.93	
		For Up To 75, Add	*80.61*	
		For >75 To 150, Add	*38.99*	
		For >500 To 1,000, Deduct	*-8.85*	
		For >1,000 To 2,000, Deduct	*-17.44*	
		For >2,000 To 5,000, Deduct	*-26.55*	
		For >5,000, Deduct	*-41.62*	
33 01 30 71-0113	LF	66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	428.92	
		For Up To 75, Add	*88.67*	
		For >75 To 150, Add	*42.89*	
		For >500 To 1,000, Deduct	*-9.73*	
		For >1,000 To 2,000, Deduct	*-19.18*	
		For >2,000 To 5,000, Deduct	*-29.20*	
		For >5,000, Deduct	*-45.78*	
33 01 30 71-0114	LF	72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	467.92	
		For Up To 75, Add	*96.74*	
		For >75 To 150, Add	*46.79*	
		For >500 To 1,000, Deduct	*-10.62*	
		For >1,000 To 2,000, Deduct	*-20.92*	
		For >2,000 To 5,000, Deduct	*-31.86*	
		For >5,000, Deduct	*-49.94*	
33 01 30 71-0115	LF	78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	506.91	
		For Up To 75, Add	*104.80*	
		For >75 To 150, Add	*50.69*	
		For >500 To 1,000, Deduct	*-11.50*	
		For >1,000 To 2,000, Deduct	*-22.67*	
		For >2,000 To 5,000, Deduct	*-34.51*	
		For >5,000, Deduct	*-54.11*	
33 01 30 71-0116	LF	84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	545.90	
		For Up To 75, Add	*112.86*	
		For >75 To 150, Add	*54.59*	
		For >500 To 1,000, Deduct	*-12.39*	
		For >1,000 To 2,000, Deduct	*-24.41*	
		For >2,000 To 5,000, Deduct	*-37.17*	
		For >5,000, Deduct	*-58.27*	
33 01 30 71-0117	LF	90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	584.89	
		For Up To 75, Add	*120.92*	
		For >75 To 150, Add	*58.49*	
		For >500 To 1,000, Deduct	*-13.27*	
		For >1,000 To 2,000, Deduct	*-26.15*	
		For >2,000 To 5,000, Deduct	*-39.82*	
		For >5,000, Deduct	*-62.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0118	LF	96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	623.88	
		For Up To 75, Add	*128.98*	
		For >75 To 150, Add	*62.39*	
		For >500 To 1,000, Deduct	*-14.16*	
		For >1,000 To 2,000, Deduct	*-27.90*	
		For >2,000 To 5,000, Deduct	*-42.48*	
		For >5,000, Deduct	*-66.59*	
33 01 30 71-0119	LF	102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	662.88	
		For Up To 75, Add	*137.04*	
		For >75 To 150, Add	*66.29*	
		For >500 To 1,000, Deduct	*-15.04*	
		For >1,000 To 2,000, Deduct	*-29.64*	
		For >2,000 To 5,000, Deduct	*-45.13*	
		For >5,000, Deduct	*-70.75*	
33 01 30 71-0120	LF	108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	701.87	
		For Up To 75, Add	*145.10*	
		For >75 To 150, Add	*70.19*	
		For >500 To 1,000, Deduct	*-15.93*	
		For >1,000 To 2,000, Deduct	*-31.38*	
		For >2,000 To 5,000, Deduct	*-47.79*	
		For >5,000, Deduct	*-74.92*	
33 01 30 71-0121	LF	114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	740.87	
		For Up To 75, Add	*153.17*	
		For >75 To 150, Add	*74.09*	
		For >500 To 1,000, Deduct	*-16.81*	
		For >1,000 To 2,000, Deduct	*-33.13*	
		For >2,000 To 5,000, Deduct	*-50.44*	
		For >5,000, Deduct	*-79.08*	
33 01 30 71-0122	LF	120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane	779.86	
		For Up To 75, Add	*161.23*	
		For >75 To 150, Add	*77.99*	
		For >500 To 1,000, Deduct	*-17.70*	
		For >1,000 To 2,000, Deduct	*-34.87*	
		For >2,000 To 5,000, Deduct	*-53.10*	
		For >5,000, Deduct	*-83.24*	
33 01 30 71-0123	SF	Structure Lining, Spray Applied With 500 mil Structural Polyurethane	24.83	

33 01 30 72 Cured-in-Place Pipe Lining *(33 01 30)*

33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines *(33 01 30 72)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion *(33 01 30 72-0001)*

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,655.31
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,758.85
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,138.28
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,517.70
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	827.66
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,379.42
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,724.28
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,207.08
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	1,379.42
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	3,310.62
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	5,517.70
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP) Trenchless Rehabiliation Note: Need to mix wet material in bag prior to installation.	8,276.55

33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation *(33 01 30 72-0001)*

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	25.34	
		For Vinylester Resin, Add	*7.60*	
		For Epoxy Resin, Add	*0.90*	
		For Up To >10, Add	*48.90*	
		For >10 To 25, Add	*38.94*	
		For >25 To 50, Add	*23.91*	
		For >50 To 100, Add	*11.95*	
		For >500 To 1,000, Deduct	*-1.63*	
		For >1,000 To 2,000, Deduct	*-2.63*	
		For >2,000 To 5,000, Deduct	*-4.92*	
		For >5,000, Deduct	*-7.97*	
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	31.29	
		For Vinylester Resin, Add	*11.76*	
		For Epoxy Resin, Add	*1.39*	
		For Up To >10, Add	*51.87*	
		For >10 To 25, Add	*40.43*	
		For >25 To 50, Add	*25.10*	
		For >50 To 100, Add	*12.55*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000 To 2,000, Deduct	*-3.07*	
		For >2,000 To 5,000, Deduct	*-5.64*	
		For >5,000, Deduct	*-9.16*	
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	37.24	
		For Vinylester Resin, Add	*15.93*	
		For Epoxy Resin, Add	*1.88*	
		For Up To >10, Add	*54.85*	
		For >10 To 25, Add	*41.91*	
		For >25 To 50, Add	*26.29*	
		For >50 To 100, Add	*13.14*	
		For >500 To 1,000, Deduct	*-2.22*	
		For >1,000 To 2,000, Deduct	*-3.52*	
		For >2,000 To 5,000, Deduct	*-6.35*	
		For >5,000, Deduct	*-10.35*	
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	50.52	
		For Vinylester Resin, Add	*24.26*	
		For Epoxy Resin, Add	*2.86*	
		For Up To >10, Add	*64.91*	
		For >10 To 25, Add	*48.32*	
		For >25 To 50, Add	*30.72*	
		For >50 To 100, Add	*15.36*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000 To 2,000, Deduct	*-4.58*	
		For >2,000 To 5,000, Deduct	*-8.12*	
		For >5,000, Deduct	*-13.28*	
33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	63.80	
		For Vinylester Resin, Add	*32.59*	
		For Epoxy Resin, Add	*3.84*	
		For Up To >10, Add	*75.00*	
		For >10 To 25, Add	*54.74*	
		For >25 To 50, Add	*35.17*	
		For >50 To 100, Add	*17.59*	
		For >500 To 1,000, Deduct	*-3.62*	
		For >1,000 To 2,000, Deduct	*-5.65*	
		For >2,000 To 5,000, Deduct	*-9.90*	
		For >5,000, Deduct	*-16.21*	

33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	36.42	
		For Vinylester Resin, Add	*15.35*	
		For Epoxy Resin, Add	*1.81*	
		For Up To >10, Add	*54.44*	
		For >10 To 25, Add	*41.71*	
		For >25 To 50, Add	*26.12*	
		For >50 To 100, Add	*13.06*	
		For >500 To 1,000, Deduct	*-2.18*	
		For >1,000 To 2,000, Deduct	*-3.46*	
		For >2,000 To 5,000, Deduct	*-6.25*	
		For >5,000, Deduct	*-10.18*	
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	44.36	
		For Vinylester Resin, Add	*20.91*	
		For Epoxy Resin, Add	*2.46*	
		For Up To >10, Add	*58.41*	
		For >10 To 25, Add	*43.69*	
		For >25 To 50, Add	*27.71*	
		For >50 To 100, Add	*13.85*	
		For >500 To 1,000, Deduct	*-2.58*	
		For >1,000 To 2,000, Deduct	*-4.05*	
		For >2,000 To 5,000, Deduct	*-7.21*	
		For >5,000, Deduct	*-11.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	61.60	
		For Vinylester Resin, Add	*32.02*	
		For Epoxy Resin, Add	*3.77*	
		For Up To >10, Add	*70.45*	
		For >10 To 25, Add	*51.09*	
		For >25 To 50, Add	*32.94*	
		For >50 To 100, Add	*16.47*	
		For >500 To 1,000, Deduct	*-3.48*	
		For >1,000 To 2,000, Deduct	*-5.41*	
		For >2,000 To 5,000, Deduct	*-9.45*	
		For >5,000, Deduct	*-15.49*	
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	78.85	
		For Vinylester Resin, Add	*43.13*	
		For Epoxy Resin, Add	*5.08*	
		For Up To >10, Add	*82.53*	
		For >10 To 25, Add	*58.50*	
		For >25 To 50, Add	*38.18*	
		For >50 To 100, Add	*19.09*	
		For >500 To 1,000, Deduct	*-4.37*	
		For >1,000 To 2,000, Deduct	*-6.78*	
		For >2,000 To 5,000, Deduct	*-11.70*	
		For >5,000, Deduct	*-19.22*	
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	96.24	
		For Vinylester Resin, Add	*54.24*	
		For Epoxy Resin, Add	*6.39*	
		For Up To >10, Add	*95.02*	
		For >10 To 25, Add	*66.27*	
		For >25 To 50, Add	*43.64*	
		For >50 To 100, Add	*21.82*	
		For >500 To 1,000, Deduct	*-5.28*	
		For >1,000 To 2,000, Deduct	*-8.16*	
		For >2,000 To 5,000, Deduct	*-13.99*	
		For >5,000, Deduct	*-23.00*	
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	114.04	
		For Vinylester Resin, Add	*65.35*	
		For Epoxy Resin, Add	*7.70*	
		For Up To >10, Add	*108.75*	
		For >10 To 25, Add	*75.06*	
		For >25 To 50, Add	*49.71*	
		For >50 To 100, Add	*24.85*	
		For >500 To 1,000, Deduct	*-6.22*	
		For >1,000 To 2,000, Deduct	*-9.59*	
		For >2,000 To 5,000, Deduct	*-16.37*	
		For >5,000, Deduct	*-26.95*	
33 01 30 72-0029		7.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*		
33 01 30 72-0030	LF	7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	51.24	
		For Vinylester Resin, Add	*25.73*	
		For Epoxy Resin, Add	*3.03*	
		For Up To >10, Add	*61.85*	
		For >10 To 25, Add	*45.41*	
		For >25 To 50, Add	*29.09*	
		For >50 To 100, Add	*14.54*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000 To 2,000, Deduct	*-4.57*	
		For >2,000 To 5,000, Deduct	*-8.03*	
		For >5,000, Deduct	*-13.15*	
33 01 30 72-0031	LF	7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	72.44	
		For Vinylester Resin, Add	*39.61*	
		For Epoxy Resin, Add	*4.67*	
		For Up To >10, Add	*75.87*	
		For >10 To 25, Add	*53.80*	
		For >25 To 50, Add	*35.11*	
		For >50 To 100, Add	*17.55*	
		For >500 To 1,000, Deduct	*-4.02*	
		For >1,000 To 2,000, Deduct	*-6.23*	
		For >2,000 To 5,000, Deduct	*-10.75*	
		For >5,000, Deduct	*-17.66*	
33 01 30 72-0032	LF	7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	93.67	
		For Vinylester Resin, Add	*53.50*	
		For Epoxy Resin, Add	*6.31*	
		For Up To >10, Add	*89.94*	
		For >10 To 25, Add	*62.21*	
		For >25 To 50, Add	*41.15*	
		For >50 To 100, Add	*20.57*	
		For >500 To 1,000, Deduct	*-5.11*	
		For >1,000 To 2,000, Deduct	*-7.89*	
		For >2,000 To 5,000, Deduct	*-13.48*	
		For >5,000, Deduct	*-22.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0033	LF	7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	115.02	
		For Vinylester Resin, Add	*67.38*	
		For Epoxy Resin, Add	*7.94*	
		For Up To >10, Add	*104.41*	
		For >10 To 25, Add	*70.97*	
		For >25 To 50, Add	*47.39*	
		For >50 To 100, Add	*23.70*	
		For >500 To 1,000, Deduct	*-6.22*	
		For >1,000 To 2,000, Deduct	*-9.56*	
		For >2,000 To 5,000, Deduct	*-16.24*	
		For >5,000, Deduct	*-26.76*	
33 01 30 72-0034	LF	7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	136.79	
		For Vinylester Resin, Add	*81.27*	
		For Epoxy Resin, Add	*9.58*	
		For Up To >10, Add	*120.12*	
		For >10 To 25, Add	*80.75*	
		For >25 To 50, Add	*54.26*	
		For >50 To 100, Add	*27.13*	
		For >500 To 1,000, Deduct	*-7.36*	
		For >1,000 To 2,000, Deduct	*-11.29*	
		For >2,000 To 5,000, Deduct	*-19.10*	
		For >5,000, Deduct	*-31.50*	
33 01 30 72-0035	LF	7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	169.31	
		For Vinylester Resin, Add	*102.10*	
		For Epoxy Resin, Add	*12.03*	
		For Up To >10, Add	*143.28*	
		For >10 To 25, Add	*95.09*	
		For >25 To 50, Add	*64.35*	
		For >50 To 100, Add	*32.17*	
		For >500 To 1,000, Deduct	*-9.05*	
		For >1,000 To 2,000, Deduct	*-13.87*	
		For >2,000 To 5,000, Deduct	*-23.37*	
		For >5,000, Deduct	*-38.55*	
33 01 30 72-0036	LF	7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	202.11	
		For Vinylester Resin, Add	*122.93*	
		For Epoxy Resin, Add	*14.49*	
		For Up To >10, Add	*167.28*	
		For >10 To 25, Add	*110.13*	
		For >25 To 50, Add	*74.86*	
		For >50 To 100, Add	*37.43*	
		For >500 To 1,000, Deduct	*-10.77*	
		For >1,000 To 2,000, Deduct	*-16.48*	
		For >2,000 To 5,000, Deduct	*-27.70*	
		For >5,000, Deduct	*-45.72*	

33 01 30 72-0037 9mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0038	LF	9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	83.06	
		For Vinylester Resin, Add	*47.04*	
		For Epoxy Resin, Add	*5.54*	
		For Up To >10, Add	*81.18*	
		For >10 To 25, Add	*56.45*	
		For >25 To 50, Add	*37.23*	
		For >50 To 100, Add	*18.62*	
		For >500 To 1,000, Deduct	*-4.55*	
		For >1,000 To 2,000, Deduct	*-7.02*	
		For >2,000 To 5,000, Deduct	*-12.03*	
		For >5,000, Deduct	*-19.78*	
33 01 30 72-0039	LF	9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	108.25	
		For Vinylester Resin, Add	*63.71*	
		For Epoxy Resin, Add	*7.51*	
		For Up To >10, Add	*97.23*	
		For >10 To 25, Add	*65.85*	
		For >25 To 50, Add	*44.06*	
		For >50 To 100, Add	*22.03*	
		For >500 To 1,000, Deduct	*-5.84*	
		For >1,000 To 2,000, Deduct	*-8.98*	
		For >2,000 To 5,000, Deduct	*-15.23*	
		For >5,000, Deduct	*-25.10*	
33 01 30 72-0040	LF	9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	133.58	
		For Vinylester Resin, Add	*80.37*	
		For Epoxy Resin, Add	*9.47*	
		For Up To >10, Add	*113.69*	
		For >10 To 25, Add	*75.61*	
		For >25 To 50, Add	*51.10*	
		For >50 To 100, Add	*25.55*	
		For >500 To 1,000, Deduct	*-7.15*	
		For >1,000 To 2,000, Deduct	*-10.96*	
		For >2,000 To 5,000, Deduct	*-18.47*	
		For >5,000, Deduct	*-30.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0041	LF	9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	159.31	
		For Vinylester Resin, Add	*97.03*	
		For Epoxy Resin, Add	*11.44*	
		For Up To >10, Add	*131.38*	
		For >10 To 25, Add	*86.38*	
		For >25 To 50, Add	*58.76*	
		For >50 To 100, Add	*29.38*	
		For >500 To 1,000, Deduct	*-8.48*	
		For >1,000 To 2,000, Deduct	*-12.98*	
		For >2,000 To 5,000, Deduct	*-21.81*	
		For >5,000, Deduct	*-36.00*	
33 01 30 72-0042	LF	9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	197.78	
		For Vinylester Resin, Add	*122.03*	
		For Epoxy Resin, Add	*14.38*	
		For Up To >10, Add	*157.52*	
		For >10 To 25, Add	*102.21*	
		For >25 To 50, Add	*70.04*	
		For >50 To 100, Add	*35.02*	
		For >500 To 1,000, Deduct	*-10.48*	
		For >1,000 To 2,000, Deduct	*-16.01*	
		For >2,000 To 5,000, Deduct	*-26.78*	
		For >5,000, Deduct	*-44.25*	
33 01 30 72-0043	LF	9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	236.53	
		For Vinylester Resin, Add	*147.03*	
		For Epoxy Resin, Add	*17.33*	
		For Up To >10, Add	*184.49*	
		For >10 To 25, Add	*118.74*	
		For >25 To 50, Add	*81.74*	
		For >50 To 100, Add	*40.87*	
		For >500 To 1,000, Deduct	*-12.49*	
		For >1,000 To 2,000, Deduct	*-19.06*	
		For >2,000 To 5,000, Deduct	*-31.83*	
		For >5,000, Deduct	*-52.60*	
33 01 30 72-0044	LF	9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	274.43	
		For Vinylester Resin, Add	*172.02*	
		For Epoxy Resin, Add	*20.27*	
		For Up To >10, Add	*208.94*	
		For >10 To 25, Add	*133.16*	
		For >25 To 50, Add	*92.18*	
		For >50 To 100, Add	*46.09*	
		For >500 To 1,000, Deduct	*-14.44*	
		For >1,000 To 2,000, Deduct	*-22.02*	
		For >2,000 To 5,000, Deduct	*-36.66*	
		For >5,000, Deduct	*-60.62*	
33 01 30 72-0045	LF	9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	312.77	
		For Vinylester Resin, Add	*197.02*	
		For Epoxy Resin, Add	*23.22*	
		For Up To >10, Add	*234.66*	
		For >10 To 25, Add	*148.64*	
		For >25 To 50, Add	*103.26*	
		For >50 To 100, Add	*51.63*	
		For >500 To 1,000, Deduct	*-16.42*	
		For >1,000 To 2,000, Deduct	*-25.02*	
		For >2,000 To 5,000, Deduct	*-41.60*	
		For >5,000, Deduct	*-68.82*	

33 01 30 72-0046 10.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0047	LF	10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	226.01	
		For Vinylester Resin, Add	*141.79*	
		For Epoxy Resin, Add	*16.71*	
		For Up To >10, Add	*171.63*	
		For >10 To 25, Add	*109.27*	
		For >25 To 50, Add	*75.69*	
		For >50 To 100, Add	*37.84*	
		For >500 To 1,000, Deduct	*-11.89*	
		For >1,000 To 2,000, Deduct	*-18.12*	
		For >2,000 To 5,000, Deduct	*-30.17*	
		For >5,000, Deduct	*-49.89*	
33 01 30 72-0048	LF	10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	270.71	
		For Vinylester Resin, Add	*170.95*	
		For Epoxy Resin, Add	*20.15*	
		For Up To >10, Add	*201.58*	
		For >10 To 25, Add	*127.28*	
		For >25 To 50, Add	*88.58*	
		For >50 To 100, Add	*44.29*	
		For >500 To 1,000, Deduct	*-14.20*	
		For >1,000 To 2,000, Deduct	*-21.63*	
		For >2,000 To 5,000, Deduct	*-35.93*	
		For >5,000, Deduct	*-59.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0049	LF	10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	314.58	
		For Vinylester Resin, Add	*200.12*	
		For Epoxy Resin, Add	*23.59*	
		For Up To >10, Add	*229.02*	
		For >10 To 25, Add	*143.20*	
		For >25 To 50, Add	*100.21*	
		For >50 To 100, Add	*50.11*	
		For >500 To 1,000, Deduct	*-16.45*	
		For >1,000 To 2,000, Deduct	*-25.03*	
		For >2,000 To 5,000, Deduct	*-41.48*	
		For >5,000, Deduct	*-68.65*	
33 01 30 72-0050	LF	10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	358.85	
		For Vinylester Resin, Add	*229.28*	
		For Epoxy Resin, Add	*27.02*	
		For Up To >10, Add	*257.70*	
		For >10 To 25, Add	*160.16*	
		For >25 To 50, Add	*112.47*	
		For >50 To 100, Add	*56.24*	
		For >500 To 1,000, Deduct	*-18.73*	
		For >1,000 To 2,000, Deduct	*-28.48*	
		For >2,000 To 5,000, Deduct	*-47.13*	
		For >5,000, Deduct	*-78.03*	
33 01 30 72-0051	LF	10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	403.68	
		For Vinylester Resin, Add	*258.44*	
		For Epoxy Resin, Add	*30.46*	
		For Up To >10, Add	*288.04*	
		For >10 To 25, Add	*178.50*	
		For >25 To 50, Add	*125.56*	
		For >50 To 100, Add	*62.78*	
		For >500 To 1,000, Deduct	*-21.05*	
		For >1,000 To 2,000, Deduct	*-32.00*	
		For >2,000 To 5,000, Deduct	*-52.92*	
		For >5,000, Deduct	*-87.63*	
33 01 30 72-0052	LF	10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	449.22	
		For Vinylester Resin, Add	*287.61*	
		For Epoxy Resin, Add	*33.90*	
		For Up To >10, Add	*320.49*	
		For >10 To 25, Add	*198.59*	
		For >25 To 50, Add	*139.70*	
		For >50 To 100, Add	*69.85*	
		For >500 To 1,000, Deduct	*-23.42*	
		For >1,000 To 2,000, Deduct	*-35.61*	
		For >2,000 To 5,000, Deduct	*-58.89*	
		For >5,000, Deduct	*-97.51*	
33 01 30 72-0053	LF	10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	537.37	
		For Vinylester Resin, Add	*345.93*	
		For Epoxy Resin, Add	*40.77*	
		For Up To >10, Add	*376.64*	
		For >10 To 25, Add	*231.50*	
		For >25 To 50, Add	*163.61*	
		For >50 To 100, Add	*81.80*	
		For >500 To 1,000, Deduct	*-27.95*	
		For >1,000 To 2,000, Deduct	*-42.46*	
		For >2,000 To 5,000, Deduct	*-70.10*	
		For >5,000, Deduct	*-116.11*	

33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0055	LF	12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	254.01	
		For Vinylester Resin, Add	*161.39*	
		For Epoxy Resin, Add	*19.02*	
		For Up To >10, Add	*185.63*	
		For >10 To 25, Add	*116.27*	
		For >25 To 50, Add	*81.29*	
		For >50 To 100, Add	*40.64*	
		For >500 To 1,000, Deduct	*-13.29*	
		For >1,000 To 2,000, Deduct	*-20.22*	
		For >2,000 To 5,000, Deduct	*-33.53*	
		For >5,000, Deduct	*-55.49*	
33 01 30 72-0056	LF	12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	304.67	
		For Vinylester Resin, Add	*194.73*	
		For Epoxy Resin, Add	*22.95*	
		For Up To >10, Add	*218.56*	
		For >10 To 25, Add	*135.77*	
		For >25 To 50, Add	*95.37*	
		For >50 To 100, Add	*47.69*	
		For >500 To 1,000, Deduct	*-15.90*	
		For >1,000 To 2,000, Deduct	*-24.17*	
		For >2,000 To 5,000, Deduct	*-40.00*	
		For >5,000, Deduct	*-66.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0057	LF	12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	354.48	
		For Vinylester Resin, Add	*228.05*	
		For Epoxy Resin, Add	*26.88*	
		For Up To >10, Add	*248.97*	
		For >10 To 25, Add	*153.17*	
		For >25 To 50, Add	*108.19*	
		For >50 To 100, Add	*54.10*	
		For >500 To 1,000, Deduct	*-18.44*	
		For >1,000 To 2,000, Deduct	*-28.02*	
		For >2,000 To 5,000, Deduct	*-46.27*	
		For >5,000, Deduct	*-76.63*	
33 01 30 72-0058	LF	12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	404.71	
		For Vinylester Resin, Add	*261.38*	
		For Epoxy Resin, Add	*30.81*	
		For Up To >10, Add	*280.63*	
		For >10 To 25, Add	*171.63*	
		For >25 To 50, Add	*121.65*	
		For >50 To 100, Add	*60.82*	
		For >500 To 1,000, Deduct	*-21.02*	
		For >1,000 To 2,000, Deduct	*-31.92*	
		For >2,000 To 5,000, Deduct	*-52.64*	
		For >5,000, Deduct	*-87.20*	
33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	455.49	
		For Vinylester Resin, Add	*294.71*	
		For Epoxy Resin, Add	*34.73*	
		For Up To >10, Add	*313.95*	
		For >10 To 25, Add	*191.45*	
		For >25 To 50, Add	*135.92*	
		For >50 To 100, Add	*67.96*	
		For >500 To 1,000, Deduct	*-23.64*	
		For >1,000 To 2,000, Deduct	*-35.89*	
		For >2,000 To 5,000, Deduct	*-59.14*	
		For >5,000, Deduct	*-97.99*	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	506.97	
		For Vinylester Resin, Add	*328.03*	
		For Epoxy Resin, Add	*38.66*	
		For Up To >10, Add	*349.36*	
		For >10 To 25, Add	*213.03*	
		For >25 To 50, Add	*151.25*	
		For >50 To 100, Add	*75.62*	
		For >500 To 1,000, Deduct	*-26.31*	
		For >1,000 To 2,000, Deduct	*-39.94*	
		For >2,000 To 5,000, Deduct	*-65.82*	
		For >5,000, Deduct	*-109.06*	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	607.03	
		For Vinylester Resin, Add	*394.70*	
		For Epoxy Resin, Add	*46.52*	
		For Up To >10, Add	*411.47*	
		For >10 To 25, Add	*248.91*	
		For >25 To 50, Add	*177.54*	
		For >50 To 100, Add	*88.77*	
		For >500 To 1,000, Deduct	*-31.43*	
		For >1,000 To 2,000, Deduct	*-47.69*	
		For >2,000 To 5,000, Deduct	*-78.46*	
		For >5,000, Deduct	*-130.04*	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	708.32	
		For Vinylester Resin, Add	*461.35*	
		For Epoxy Resin, Add	*54.37*	
		For Up To >10, Add	*477.29*	
		For >10 To 25, Add	*287.89*	
		For >25 To 50, Add	*205.69*	
		For >50 To 100, Add	*102.84*	
		For >500 To 1,000, Deduct	*-36.65*	
		For >1,000 To 2,000, Deduct	*-55.59*	
		For >2,000 To 5,000, Deduct	*-91.40*	
		For >5,000, Deduct	*-151.51*	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	811.81	
		For Vinylester Resin, Add	*528.00*	
		For Epoxy Resin, Add	*62.23*	
		For Up To >10, Add	*549.71*	
		For >10 To 25, Add	*332.37*	
		For >25 To 50, Add	*237.14*	
		For >50 To 100, Add	*118.57*	
		For >500 To 1,000, Deduct	*-42.03*	
		For >1,000 To 2,000, Deduct	*-63.76*	
		For >2,000 To 5,000, Deduct	*-104.89*	
		For >5,000, Deduct	*-173.87*	

33 01 30 72-0064 13.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	281.78	
		For Vinylester Resin, Add	*180.83*	
		For Epoxy Resin, Add	*21.31*	
		For Up To >10, Add	*199.52*	
		For >10 To 25, Add	*123.21*	
		For >25 To 50, Add	*86.84*	
		For >50 To 100, Add	*43.42*	
		For >500 To 1,000, Deduct	*-14.68*	
		For >1,000 To 2,000, Deduct	*-22.31*	
		For >2,000 To 5,000, Deduct	*-36.86*	
		For >5,000, Deduct	*-61.05*	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	338.39	
		For Vinylester Resin, Add	*218.33*	
		For Epoxy Resin, Add	*25.73*	
		For Up To >10, Add	*235.42*	
		For >10 To 25, Add	*144.20*	
		For >25 To 50, Add	*102.12*	
		For >50 To 100, Add	*51.06*	
		For >500 To 1,000, Deduct	*-17.58*	
		For >1,000 To 2,000, Deduct	*-26.70*	
		For >2,000 To 5,000, Deduct	*-44.05*	
		For >5,000, Deduct	*-72.98*	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	394.15	
		For Vinylester Resin, Add	*255.82*	
		For Epoxy Resin, Add	*30.15*	
		For Up To >10, Add	*268.80*	
		For >10 To 25, Add	*163.09*	
		For >25 To 50, Add	*116.13*	
		For >50 To 100, Add	*58.06*	
		For >500 To 1,000, Deduct	*-20.42*	
		For >1,000 To 2,000, Deduct	*-31.00*	
		For >2,000 To 5,000, Deduct	*-51.03*	
		For >5,000, Deduct	*-84.57*	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	450.33	
		For Vinylester Resin, Add	*293.31*	
		For Epoxy Resin, Add	*34.57*	
		For Up To >10, Add	*303.44*	
		For >10 To 25, Add	*183.03*	
		For >25 To 50, Add	*130.77*	
		For >50 To 100, Add	*65.38*	
		For >500 To 1,000, Deduct	*-23.30*	
		For >1,000 To 2,000, Deduct	*-35.34*	
		For >2,000 To 5,000, Deduct	*-58.11*	
		For >5,000, Deduct	*-96.33*	
33 01 30 72-0069	LF	13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	507.07	
		For Vinylester Resin, Add	*330.81*	
		For Epoxy Resin, Add	*38.99*	
		For Up To >10, Add	*339.74*	
		For >10 To 25, Add	*204.35*	
		For >25 To 50, Add	*146.24*	
		For >50 To 100, Add	*73.12*	
		For >500 To 1,000, Deduct	*-26.22*	
		For >1,000 To 2,000, Deduct	*-39.75*	
		For >2,000 To 5,000, Deduct	*-65.33*	
		For >5,000, Deduct	*-108.31*	
33 01 30 72-0070	LF	13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	564.50	
		For Vinylester Resin, Add	*368.31*	
		For Epoxy Resin, Add	*43.41*	
		For Up To >10, Add	*378.13*	
		For >10 To 25, Add	*227.41*	
		For >25 To 50, Add	*162.76*	
		For >50 To 100, Add	*81.38*	
		For >500 To 1,000, Deduct	*-29.18*	
		For >1,000 To 2,000, Deduct	*-44.26*	
		For >2,000 To 5,000, Deduct	*-72.73*	
		For >5,000, Deduct	*-120.57*	
33 01 30 72-0071	LF	13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	676.46	
		For Vinylester Resin, Add	*443.30*	
		For Epoxy Resin, Add	*52.25*	
		For Up To >10, Add	*446.18*	
		For >10 To 25, Add	*266.27*	
		For >25 To 50, Add	*191.43*	
		For >50 To 100, Add	*95.71*	
		For >500 To 1,000, Deduct	*-34.90*	
		For >1,000 To 2,000, Deduct	*-52.89*	
		For >2,000 To 5,000, Deduct	*-86.79*	
		For >5,000, Deduct	*-143.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0072	LF	13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	789.65	
		For Vinylester Resin, Add	*518.28*	
		For Epoxy Resin, Add	*61.08*	
		For Up To >10, Add	*517.95*	
		For >10 To 25, Add	*308.23*	
		For >25 To 50, Add	*221.96*	
		For >50 To 100, Add	*110.98*	
		For >500 To 1,000, Deduct	*-40.71*	
		For >1,000 To 2,000, Deduct	*-61.69*	
		For >2,000 To 5,000, Deduct	*-101.16*	
		For >5,000, Deduct	*-167.78*	
33 01 30 72-0073	LF	13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	905.05	
		For Vinylester Resin, Add	*593.27*	
		For Epoxy Resin, Add	*69.92*	
		For Up To >10, Add	*596.33*	
		For >10 To 25, Add	*355.68*	
		For >25 To 50, Add	*255.79*	
		For >50 To 100, Add	*127.89*	
		For >500 To 1,000, Deduct	*-46.69*	
		For >1,000 To 2,000, Deduct	*-70.75*	
		For >2,000 To 5,000, Deduct	*-116.08*	
		For >5,000, Deduct	*-192.51*	

33 01 30 72-0074 15mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0075	LF	15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	309.31	
		For Vinylester Resin, Add	*200.10*	
		For Epoxy Resin, Add	*23.58*	
		For Up To >10, Add	*213.28*	
		For >10 To 25, Add	*130.09*	
		For >25 To 50, Add	*92.35*	
		For >50 To 100, Add	*46.17*	
		For >500 To 1,000, Deduct	*-16.05*	
		For >1,000 To 2,000, Deduct	*-24.37*	
		For >2,000 To 5,000, Deduct	*-40.17*	
		For >5,000, Deduct	*-66.55*	
33 01 30 72-0076	LF	15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	371.87	
		For Vinylester Resin, Add	*241.77*	
		For Epoxy Resin, Add	*28.49*	
		For Up To >10, Add	*252.16*	
		For >10 To 25, Add	*152.57*	
		For >25 To 50, Add	*108.81*	
		For >50 To 100, Add	*54.41*	
		For >500 To 1,000, Deduct	*-19.26*	
		For >1,000 To 2,000, Deduct	*-29.21*	
		For >2,000 To 5,000, Deduct	*-48.07*	
		For >5,000, Deduct	*-79.67*	
33 01 30 72-0077	LF	15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	433.58	
		For Vinylester Resin, Add	*283.42*	
		For Epoxy Resin, Add	*33.40*	
		For Up To >10, Add	*288.52*	
		For >10 To 25, Add	*172.95*	
		For >25 To 50, Add	*124.01*	
		For >50 To 100, Add	*62.01*	
		For >500 To 1,000, Deduct	*-22.40*	
		For >1,000 To 2,000, Deduct	*-33.95*	
		For >2,000 To 5,000, Deduct	*-55.76*	
		For >5,000, Deduct	*-92.45*	
33 01 30 72-0078	LF	15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	495.72	
		For Vinylester Resin, Add	*325.09*	
		For Epoxy Resin, Add	*38.31*	
		For Up To >10, Add	*326.14*	
		For >10 To 25, Add	*194.38*	
		For >25 To 50, Add	*139.85*	
		For >50 To 100, Add	*69.92*	
		For >500 To 1,000, Deduct	*-25.57*	
		For >1,000 To 2,000, Deduct	*-38.74*	
		For >2,000 To 5,000, Deduct	*-63.56*	
		For >5,000, Deduct	*-105.41*	
33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	558.40	
		For Vinylester Resin, Add	*366.74*	
		For Epoxy Resin, Add	*43.22*	
		For Up To >10, Add	*365.40*	
		For >10 To 25, Add	*217.18*	
		For >25 To 50, Add	*156.50*	
		For >50 To 100, Add	*78.25*	
		For >500 To 1,000, Deduct	*-28.78*	
		For >1,000 To 2,000, Deduct	*-43.60*	
		For >2,000 To 5,000, Deduct	*-71.49*	
		For >5,000, Deduct	*-118.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	621.79	
		For Vinylester Resin, Add	*408.41*	
		For Epoxy Resin, Add	*48.13*	
		For Up To >10, Add	*406.77*	
		For >10 To 25, Add	*241.74*	
		For >25 To 50, Add	*174.21*	
		For >50 To 100, Add	*87.11*	
		For >500 To 1,000, Deduct	*-32.05*	
		For >1,000 To 2,000, Deduct	*-48.55*	
		For >2,000 To 5,000, Deduct	*-79.60*	
		For >5,000, Deduct	*-132.03*	
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	745.65	
		For Vinylester Resin, Add	*491.73*	
		For Epoxy Resin, Add	*57.95*	
		For Up To >10, Add	*480.78*	
		For >10 To 25, Add	*283.57*	
		For >25 To 50, Add	*205.26*	
		For >50 To 100, Add	*102.63*	
		For >500 To 1,000, Deduct	*-38.36*	
		For >1,000 To 2,000, Deduct	*-58.08*	
		For >2,000 To 5,000, Deduct	*-95.09*	
		For >5,000, Deduct	*-157.77*	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	870.75	
		For Vinylester Resin, Add	*575.05*	
		For Epoxy Resin, Add	*67.77*	
		For Up To >10, Add	*558.50*	
		For >10 To 25, Add	*328.50*	
		For >25 To 50, Add	*238.18*	
		For >50 To 100, Add	*119.09*	
		For >500 To 1,000, Deduct	*-44.77*	
		For >1,000 To 2,000, Deduct	*-67.77*	
		For >2,000 To 5,000, Deduct	*-110.89*	
		For >5,000, Deduct	*-184.00*	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	998.05	
		For Vinylester Resin, Add	*658.37*	
		For Epoxy Resin, Add	*77.59*	
		For Up To >10, Add	*642.83*	
		For >10 To 25, Add	*378.93*	
		For >25 To 50, Add	*274.39*	
		For >50 To 100, Add	*137.19*	
		For >500 To 1,000, Deduct	*-51.34*	
		For >1,000 To 2,000, Deduct	*-77.73*	
		For >2,000 To 5,000, Deduct	*-127.24*	
		For >5,000, Deduct	*-211.11*	

33 01 30 72-0084 16.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	405.11	
		For Vinylester Resin, Add	*265.03*	
		For Epoxy Resin, Add	*31.24*	
		For Up To >10, Add	*268.78*	
		For >10 To 25, Add	*160.88*	
		For >25 To 50, Add	*115.46*	
		For >50 To 100, Add	*57.73*	
		For >500 To 1,000, Deduct	*-20.92*	
		For >1,000 To 2,000, Deduct	*-31.71*	
		For >2,000 To 5,000, Deduct	*-52.06*	
		For >5,000, Deduct	*-86.32*	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	472.78	
		For Vinylester Resin, Add	*310.86*	
		For Epoxy Resin, Add	*36.64*	
		For Up To >10, Add	*308.12*	
		For >10 To 25, Add	*182.75*	
		For >25 To 50, Add	*131.85*	
		For >50 To 100, Add	*65.93*	
		For >500 To 1,000, Deduct	*-24.36*	
		For >1,000 To 2,000, Deduct	*-36.89*	
		For >2,000 To 5,000, Deduct	*-60.46*	
		For >5,000, Deduct	*-100.29*	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	540.87	
		For Vinylester Resin, Add	*356.69*	
		For Epoxy Resin, Add	*42.04*	
		For Up To >10, Add	*348.71*	
		For >10 To 25, Add	*205.67*	
		For >25 To 50, Add	*148.88*	
		For >50 To 100, Add	*74.44*	
		For >500 To 1,000, Deduct	*-27.83*	
		For >1,000 To 2,000, Deduct	*-42.13*	
		For >2,000 To 5,000, Deduct	*-68.97*	
		For >5,000, Deduct	*-114.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	609.51	
		For Vinylester Resin, Add	*402.52*	
		For Epoxy Resin, Add	*47.44*	
		For Up To >10, Add	*390.96*	
		For >10 To 25, Add	*229.96*	
		For >25 To 50, Add	*166.73*	
		For >50 To 100, Add	*83.36*	
		For >500 To 1,000, Deduct	*-31.34*	
		For >1,000 To 2,000, Deduct	*-47.44*	
		For >2,000 To 5,000, Deduct	*-77.62*	
		For >5,000, Deduct	*-128.80*	
33 01 30 72-0089	LF	16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	678.84	
		For Vinylester Resin, Add	*448.34*	
		For Epoxy Resin, Add	*52.84*	
		For Up To >10, Add	*435.30*	
		For >10 To 25, Add	*256.00*	
		For >25 To 50, Add	*185.62*	
		For >50 To 100, Add	*92.81*	
		For >500 To 1,000, Deduct	*-34.90*	
		For >1,000 To 2,000, Deduct	*-52.83*	
		For >2,000 To 5,000, Deduct	*-86.45*	
		For >5,000, Deduct	*-143.44*	
33 01 30 72-0090	LF	16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	814.61	
		For Vinylester Resin, Add	*540.00*	
		For Epoxy Resin, Add	*63.64*	
		For Up To >10, Add	*515.26*	
		For >10 To 25, Add	*300.81*	
		For >25 To 50, Add	*219.06*	
		For >50 To 100, Add	*109.53*	
		For >500 To 1,000, Deduct	*-41.81*	
		For >1,000 To 2,000, Deduct	*-63.25*	
		For >2,000 To 5,000, Deduct	*-103.37*	
		For >5,000, Deduct	*-171.56*	
33 01 30 72-0091	LF	16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	951.61	
		For Vinylester Resin, Add	*631.65*	
		For Epoxy Resin, Add	*74.44*	
		For Up To >10, Add	*598.93*	
		For >10 To 25, Add	*348.72*	
		For >25 To 50, Add	*254.35*	
		For >50 To 100, Add	*127.17*	
		For >500 To 1,000, Deduct	*-48.81*	
		For >1,000 To 2,000, Deduct	*-73.83*	
		For >2,000 To 5,000, Deduct	*-120.60*	
		For >5,000, Deduct	*-200.17*	
33 01 30 72-0092	LF	16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,090.81	
		For Vinylester Resin, Add	*723.30*	
		For Epoxy Resin, Add	*85.25*	
		For Up To >10, Add	*689.21*	
		For >10 To 25, Add	*402.12*	
		For >25 To 50, Add	*292.94*	
		For >50 To 100, Add	*146.47*	
		For >500 To 1,000, Deduct	*-55.98*	
		For >1,000 To 2,000, Deduct	*-84.69*	
		For >2,000 To 5,000, Deduct	*-138.37*	
		For >5,000, Deduct	*-229.67*	
33 01 30 72-0093	LF	16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,229.06	
		For Vinylester Resin, Add	*814.96*	
		For Epoxy Resin, Add	*96.05*	
		For Up To >10, Add	*776.61*	
		For >10 To 25, Add	*453.13*	
		For >25 To 50, Add	*330.09*	
		For >50 To 100, Add	*165.05*	
		For >500 To 1,000, Deduct	*-63.07*	
		For >1,000 To 2,000, Deduct	*-95.42*	
		For >2,000 To 5,000, Deduct	*-155.92*	
		For >5,000, Deduct	*-258.78*	

33 01 30 72-0094 18mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0095	LF	18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	438.81	
		For Vinylester Resin, Add	*288.15*	
		For Epoxy Resin, Add	*33.96*	
		For Up To >10, Add	*287.33*	
		For >10 To 25, Add	*170.84*	
		For >25 To 50, Add	*123.08*	
		For >50 To 100, Add	*61.54*	
		For >500 To 1,000, Deduct	*-22.62*	
		For >1,000 To 2,000, Deduct	*-34.27*	
		For >2,000 To 5,000, Deduct	*-56.19*	
		For >5,000, Deduct	*-93.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0096	LF	18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	512.58	
		For Vinylester Resin, Add	*338.14*	
		For Epoxy Resin, Add	*39.85*	
		For Up To >10, Add	*330.09*	
		For >10 To 25, Add	*194.57*	
		For >25 To 50, Add	*140.89*	
		For >50 To 100, Add	*70.45*	
		For >500 To 1,000, Deduct	*-26.37*	
		For >1,000 To 2,000, Deduct	*-39.92*	
		For >2,000 To 5,000, Deduct	*-65.35*	
		For >5,000, Deduct	*-108.42*	
33 01 30 72-0097	LF	18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	586.62	
		For Vinylester Resin, Add	*388.14*	
		For Epoxy Resin, Add	*45.74*	
		For Up To >10, Add	*373.66*	
		For >10 To 25, Add	*218.97*	
		For >25 To 50, Add	*159.11*	
		For >50 To 100, Add	*79.55*	
		For >500 To 1,000, Deduct	*-30.13*	
		For >1,000 To 2,000, Deduct	*-45.60*	
		For >2,000 To 5,000, Deduct	*-74.57*	
		For >5,000, Deduct	*-123.75*	
33 01 30 72-0098	LF	18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	661.35	
		For Vinylester Resin, Add	*438.13*	
		For Epoxy Resin, Add	*51.64*	
		For Up To >10, Add	*419.30*	
		For >10 To 25, Add	*245.10*	
		For >25 To 50, Add	*178.36*	
		For >50 To 100, Add	*89.18*	
		For >500 To 1,000, Deduct	*-33.95*	
		For >1,000 To 2,000, Deduct	*-51.37*	
		For >2,000 To 5,000, Deduct	*-83.97*	
		For >5,000, Deduct	*-139.36*	
33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	736.62	
		For Vinylester Resin, Add	*488.12*	
		For Epoxy Resin, Add	*57.53*	
		For Up To >10, Add	*466.59*	
		For >10 To 25, Add	*272.60*	
		For >25 To 50, Add	*198.43*	
		For >50 To 100, Add	*99.21*	
		For >500 To 1,000, Deduct	*-37.81*	
		For >1,000 To 2,000, Deduct	*-57.21*	
		For >2,000 To 5,000, Deduct	*-93.50*	
		For >5,000, Deduct	*-155.19*	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	885.40	
		For Vinylester Resin, Add	*588.11*	
		For Epoxy Resin, Add	*69.31*	
		For Up To >10, Add	*555.83*	
		For >10 To 25, Add	*323.16*	
		For >25 To 50, Add	*235.91*	
		For >50 To 100, Add	*117.95*	
		For >500 To 1,000, Deduct	*-45.40*	
		For >1,000 To 2,000, Deduct	*-68.67*	
		For >2,000 To 5,000, Deduct	*-112.13*	
		For >5,000, Deduct	*-186.13*	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,034.72	
		For Vinylester Resin, Add	*688.09*	
		For Epoxy Resin, Add	*81.10*	
		For Up To >10, Add	*646.69*	
		For >10 To 25, Add	*375.07*	
		For >25 To 50, Add	*274.19*	
		For >50 To 100, Add	*137.10*	
		For >500 To 1,000, Deduct	*-53.03*	
		For >1,000 To 2,000, Deduct	*-80.19*	
		For >2,000 To 5,000, Deduct	*-130.89*	
		For >5,000, Deduct	*-217.29*	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,186.24	
		For Vinylester Resin, Add	*788.07*	
		For Epoxy Resin, Add	*92.88*	
		For Up To >10, Add	*744.17*	
		For >10 To 25, Add	*432.51*	
		For >25 To 50, Add	*315.79*	
		For >50 To 100, Add	*157.90*	
		For >500 To 1,000, Deduct	*-60.82*	
		For >1,000 To 2,000, Deduct	*-91.99*	
		For >2,000 To 5,000, Deduct	*-150.20*	
		For >5,000, Deduct	*-249.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,336.80	
		For Vinylester Resin, Add	*888.06*	
		For Epoxy Resin, Add	*104.66*	
		For Up To >10, Add	*838.75*	
		For >10 To 25, Add	*487.52*	
		For >25 To 50, Add	*355.94*	
		For >50 To 100, Add	*177.97*	
		For >500 To 1,000, Deduct	*-68.54*	
		For >1,000 To 2,000, Deduct	*-103.67*	
		For >2,000 To 5,000, Deduct	*-169.27*	
		For >5,000, Deduct	*-280.99*	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,487.24	
		For Vinylester Resin, Add	*988.05*	
		For Epoxy Resin, Add	*116.45*	
		For Up To >10, Add	*932.97*	
		For >10 To 25, Add	*542.23*	
		For >25 To 50, Add	*395.91*	
		For >50 To 100, Add	*197.96*	
		For >500 To 1,000, Deduct	*-76.26*	
		For >1,000 To 2,000, Deduct	*-115.33*	
		For >2,000 To 5,000, Deduct	*-188.32*	
		For >5,000, Deduct	*-312.60*	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,638.21	
		For Vinylester Resin, Add	*1,088.04*	
		For Epoxy Resin, Add	*128.23*	
		For Up To >10, Add	*1,028.78*	
		For >10 To 25, Add	*598.26*	
		For >25 To 50, Add	*436.67*	
		For >50 To 100, Add	*218.34*	
		For >500 To 1,000, Deduct	*-84.01*	
		For >1,000 To 2,000, Deduct	*-127.06*	
		For >2,000 To 5,000, Deduct	*-207.49*	
		For >5,000, Deduct	*-344.42*	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,788.76	
		For Vinylester Resin, Add	*1,188.02*	
		For Epoxy Resin, Add	*140.02*	
		For Up To >10, Add	*1,123.36*	
		For >10 To 25, Add	*653.27*	
		For >25 To 50, Add	*476.82*	
		For >50 To 100, Add	*238.41*	
		For >500 To 1,000, Deduct	*-91.73*	
		For >1,000 To 2,000, Deduct	*-138.74*	
		For >2,000 To 5,000, Deduct	*-226.56*	
		For >5,000, Deduct	*-376.07*	

33 01 30 72-0107 19.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	472.70	
		For Vinylester Resin, Add	*311.09*	
		For Epoxy Resin, Add	*36.66*	
		For Up To >10, Add	*307.05*	
		For >10 To 25, Add	*181.81*	
		For >25 To 50, Add	*131.30*	
		For >50 To 100, Add	*65.65*	
		For >500 To 1,000, Deduct	*-24.34*	
		For >1,000 To 2,000, Deduct	*-36.87*	
		For >2,000 To 5,000, Deduct	*-60.40*	
		For >5,000, Deduct	*-100.20*	
33 01 30 72-0109	LF	19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	552.41	
		For Vinylester Resin, Add	*365.25*	
		For Epoxy Resin, Add	*43.05*	
		For Up To >10, Add	*352.76*	
		For >10 To 25, Add	*207.00*	
		For >25 To 50, Add	*150.29*	
		For >50 To 100, Add	*75.14*	
		For >500 To 1,000, Deduct	*-28.39*	
		For >1,000 To 2,000, Deduct	*-42.96*	
		For >2,000 To 5,000, Deduct	*-70.27*	
		For >5,000, Deduct	*-116.61*	
33 01 30 72-0110	LF	19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	632.54	
		For Vinylester Resin, Add	*419.41*	
		For Epoxy Resin, Add	*49.43*	
		For Up To >10, Add	*399.72*	
		For >10 To 25, Add	*233.24*	
		For >25 To 50, Add	*169.90*	
		For >50 To 100, Add	*84.95*	
		For >500 To 1,000, Deduct	*-32.46*	
		For >1,000 To 2,000, Deduct	*-49.11*	
		For >2,000 To 5,000, Deduct	*-80.24*	
		For >5,000, Deduct	*-133.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0111	LF	19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	712.95	
		For Vinylester Resin, Add	*473.57*	
		For Epoxy Resin, Add	*55.81*	
		For Up To >10, Add	*447.53*	
		For >10 To 25, Add	*260.18*	
		For >25 To 50, Add	*189.94*	
		For >50 To 100, Add	*94.97*	
		For >500 To 1,000, Deduct	*-36.56*	
		For >1,000 To 2,000, Deduct	*-55.29*	
		For >2,000 To 5,000, Deduct	*-90.29*	
		For >5,000, Deduct	*-149.87*	
33 01 30 72-0112	LF	19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	794.45	
		For Vinylester Resin, Add	*527.73*	
		For Epoxy Resin, Add	*62.20*	
		For Up To >10, Add	*498.60*	
		For >10 To 25, Add	*289.85*	
		For >25 To 50, Add	*211.61*	
		For >50 To 100, Add	*105.80*	
		For >500 To 1,000, Deduct	*-40.74*	
		For >1,000 To 2,000, Deduct	*-61.61*	
		For >2,000 To 5,000, Deduct	*-100.61*	
		For >5,000, Deduct	*-167.00*	
33 01 30 72-0113	LF	19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	956.37	
		For Vinylester Resin, Add	*636.05*	
		For Epoxy Resin, Add	*74.96*	
		For Up To >10, Add	*597.51*	
		For >10 To 25, Add	*346.49*	
		For >25 To 50, Add	*253.32*	
		For >50 To 100, Add	*126.66*	
		For >500 To 1,000, Deduct	*-49.01*	
		For >1,000 To 2,000, Deduct	*-74.11*	
		For >2,000 To 5,000, Deduct	*-120.97*	
		For >5,000, Deduct	*-200.82*	
33 01 30 72-0114	LF	19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,118.70	
		For Vinylester Resin, Add	*744.37*	
		For Epoxy Resin, Add	*87.73*	
		For Up To >10, Add	*697.65*	
		For >10 To 25, Add	*404.15*	
		For >25 To 50, Add	*295.66*	
		For >50 To 100, Add	*147.83*	
		For >500 To 1,000, Deduct	*-57.32*	
		For >1,000 To 2,000, Deduct	*-86.67*	
		For >2,000 To 5,000, Deduct	*-141.44*	
		For >5,000, Deduct	*-234.80*	
33 01 30 72-0115	LF	19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,281.99	
		For Vinylester Resin, Add	*852.68*	
		For Epoxy Resin, Add	*100.49*	
		For Up To >10, Add	*800.67*	
		For >10 To 25, Add	*464.21*	
		For >25 To 50, Add	*339.43*	
		For >50 To 100, Add	*169.71*	
		For >500 To 1,000, Deduct	*-65.70*	
		For >1,000 To 2,000, Deduct	*-99.34*	
		For >2,000 To 5,000, Deduct	*-162.14*	
		For >5,000, Deduct	*-269.17*	
33 01 30 72-0116	LF	19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,444.86	
		For Vinylester Resin, Add	*961.00*	
		For Epoxy Resin, Add	*113.26*	
		For Up To >10, Add	*902.43*	
		For >10 To 25, Add	*523.22*	
		For >25 To 50, Add	*382.57*	
		For >50 To 100, Add	*191.29*	
		For >500 To 1,000, Deduct	*-74.04*	
		For >1,000 To 2,000, Deduct	*-111.96*	
		For >2,000 To 5,000, Deduct	*-182.74*	
		For >5,000, Deduct	*-303.37*	
33 01 30 72-0117	LF	19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,607.74	
		For Vinylester Resin, Add	*1,069.32*	
		For Epoxy Resin, Add	*126.03*	
		For Up To >10, Add	*1,004.22*	
		For >10 To 25, Add	*582.25*	
		For >25 To 50, Add	*425.73*	
		For >50 To 100, Add	*212.87*	
		For >500 To 1,000, Deduct	*-82.39*	
		For >1,000 To 2,000, Deduct	*-124.59*	
		For >2,000 To 5,000, Deduct	*-203.35*	
		For >5,000, Deduct	*-337.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0118	LF	19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,772.28	
		For Vinylester Resin, Add	*1,177.64*	
		For Epoxy Resin, Add	*138.79*	
		For Up To >10, Add	*1,110.99*	
		For >10 To 25, Add	*645.44*	
		For >25 To 50, Add	*471.38*	
		For >50 To 100, Add	*235.69*	
		For >500 To 1,000, Deduct	*-90.86*	
		For >1,000 To 2,000, Deduct	*-137.42*	
		For >2,000 To 5,000, Deduct	*-224.37*	
		For >5,000, Deduct	*-372.44*	
33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,935.28	
		For Vinylester Resin, Add	*1,285.95*	
		For Epoxy Resin, Add	*151.56*	
		For Up To >10, Add	*1,213.17*	
		For >10 To 25, Add	*704.79*	
		For >25 To 50, Add	*514.73*	
		For >50 To 100, Add	*257.36*	
		For >500 To 1,000, Deduct	*-99.22*	
		For >1,000 To 2,000, Deduct	*-150.06*	
		For >2,000 To 5,000, Deduct	*-245.00*	
		For >5,000, Deduct	*-406.70*	

33 01 30 72-0120 21mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	506.20	
		For Vinylester Resin, Add	*333.87*	
		For Epoxy Resin, Add	*39.35*	
		For Up To >10, Add	*326.20*	
		For >10 To 25, Add	*192.34*	
		For >25 To 50, Add	*139.25*	
		For >50 To 100, Add	*69.63*	
		For >500 To 1,000, Deduct	*-26.04*	
		For >1,000 To 2,000, Deduct	*-39.43*	
		For >2,000 To 5,000, Deduct	*-64.55*	
		For >5,000, Deduct	*-107.09*	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	592.02	
		For Vinylester Resin, Add	*392.20*	
		For Epoxy Resin, Add	*46.22*	
		For Up To >10, Add	*375.34*	
		For >10 To 25, Add	*219.40*	
		For >25 To 50, Add	*159.65*	
		For >50 To 100, Add	*79.83*	
		For >500 To 1,000, Deduct	*-30.39*	
		For >1,000 To 2,000, Deduct	*-45.99*	
		For >2,000 To 5,000, Deduct	*-75.17*	
		For >5,000, Deduct	*-124.75*	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	678.23	
		For Vinylester Resin, Add	*450.53*	
		For Epoxy Resin, Add	*53.10*	
		For Up To >10, Add	*425.67*	
		For >10 To 25, Add	*247.45*	
		For >25 To 50, Add	*180.65*	
		For >50 To 100, Add	*90.33*	
		For >500 To 1,000, Deduct	*-34.78*	
		For >1,000 To 2,000, Deduct	*-52.60*	
		For >2,000 To 5,000, Deduct	*-85.89*	
		For >5,000, Deduct	*-142.57*	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	764.31	
		For Vinylester Resin, Add	*508.85*	
		For Epoxy Resin, Add	*59.97*	
		For Up To >10, Add	*475.61*	
		For >10 To 25, Add	*275.18*	
		For >25 To 50, Add	*201.46*	
		For >50 To 100, Add	*100.73*	
		For >500 To 1,000, Deduct	*-39.15*	
		For >1,000 To 2,000, Deduct	*-59.19*	
		For >2,000 To 5,000, Deduct	*-96.58*	
		For >5,000, Deduct	*-160.34*	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	851.91	
		For Vinylester Resin, Add	*567.18*	
		For Epoxy Resin, Add	*66.85*	
		For Up To >10, Add	*530.11*	
		For >10 To 25, Add	*306.71*	
		For >25 To 50, Add	*224.54*	
		For >50 To 100, Add	*112.27*	
		For >500 To 1,000, Deduct	*-43.64*	
		For >1,000 To 2,000, Deduct	*-65.98*	
		For >2,000 To 5,000, Deduct	*-107.65*	
		For >5,000, Deduct	*-178.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,027.11	
		For Vinylester Resin, Add	*683.83*	
		For Epoxy Resin, Add	*80.59*	
		For Up To >10, Add	*639.08*	
		For >10 To 25, Add	*369.75*	
		For >25 To 50, Add	*270.70*	
		For >50 To 100, Add	*135.35*	
		For >500 To 1,000, Deduct	*-52.61*	
		For >1,000 To 2,000, Deduct	*-79.54*	
		For >2,000 To 5,000, Deduct	*-129.78*	
		For >5,000, Deduct	*-215.46*	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,202.30	
		For Vinylester Resin, Add	*800.48*	
		For Epoxy Resin, Add	*94.34*	
		For Up To >10, Add	*748.05*	
		For >10 To 25, Add	*432.79*	
		For >25 To 50, Add	*316.85*	
		For >50 To 100, Add	*158.42*	
		For >500 To 1,000, Deduct	*-61.58*	
		For >1,000 To 2,000, Deduct	*-93.11*	
		For >2,000 To 5,000, Deduct	*-151.91*	
		For >5,000, Deduct	*-252.21*	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,377.50	
		For Vinylester Resin, Add	*917.13*	
		For Epoxy Resin, Add	*108.09*	
		For Up To >10, Add	*857.05*	
		For >10 To 25, Add	*495.85*	
		For >25 To 50, Add	*363.02*	
		For >50 To 100, Add	*181.51*	
		For >500 To 1,000, Deduct	*-70.56*	
		For >1,000 To 2,000, Deduct	*-106.68*	
		For >2,000 To 5,000, Deduct	*-174.05*	
		For >5,000, Deduct	*-288.96*	
33 01 30 72-0129	LF	21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,552.68	
		For Vinylester Resin, Add	*1,033.77*	
		For Epoxy Resin, Add	*121.84*	
		For Up To >10, Add	*965.99*	
		For >10 To 25, Add	*558.86*	
		For >25 To 50, Add	*409.15*	
		For >50 To 100, Add	*204.58*	
		For >500 To 1,000, Deduct	*-79.53*	
		For >1,000 To 2,000, Deduct	*-120.24*	
		For >2,000 To 5,000, Deduct	*-196.18*	
		For >5,000, Deduct	*-325.71*	
33 01 30 72-0130	LF	21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,727.88	
		For Vinylester Resin, Add	*1,150.42*	
		For Epoxy Resin, Add	*135.59*	
		For Up To >10, Add	*1,074.99*	
		For >10 To 25, Add	*621.92*	
		For >25 To 50, Add	*455.32*	
		For >50 To 100, Add	*227.66*	
		For >500 To 1,000, Deduct	*-88.50*	
		For >1,000 To 2,000, Deduct	*-133.81*	
		For >2,000 To 5,000, Deduct	*-218.32*	
		For >5,000, Deduct	*-362.46*	
33 01 30 72-0131	LF	21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,906.12	
		For Vinylester Resin, Add	*1,267.08*	
		For Epoxy Resin, Add	*149.33*	
		For Up To >10, Add	*1,193.09*	
		For >10 To 25, Add	*692.55*	
		For >25 To 50, Add	*506.04*	
		For >50 To 100, Add	*253.02*	
		For >500 To 1,000, Deduct	*-97.71*	
		For >1,000 To 2,000, Deduct	*-147.76*	
		For >2,000 To 5,000, Deduct	*-241.22*	
		For >5,000, Deduct	*-400.43*	
33 01 30 72-0132	LF	21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,081.60	
		For Vinylester Resin, Add	*1,383.73*	
		For Epoxy Resin, Add	*163.08*	
		For Up To >10, Add	*1,302.90*	
		For >10 To 25, Add	*756.29*	
		For >25 To 50, Add	*552.61*	
		For >50 To 100, Add	*276.31*	
		For >500 To 1,000, Deduct	*-106.70*	
		For >1,000 To 2,000, Deduct	*-161.36*	
		For >2,000 To 5,000, Deduct	*-263.42*	
		For >5,000, Deduct	*-437.29*	

33 01 30 72-0133 22.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0134	LF	22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	539.35	
		For Vinylester Resin, Add	*356.50*	
		For Epoxy Resin, Add	*42.02*	
		For Up To >10, Add	*344.85*	
		For >10 To 25, Add	*202.50*	
		For >25 To 50, Add	*146.96*	
		For >50 To 100, Add	*73.48*	
		For >500 To 1,000, Deduct	*-27.72*	
		For >1,000 To 2,000, Deduct	*-41.95*	
		For >2,000 To 5,000, Deduct	*-68.63*	
		For >5,000, Deduct	*-113.88*	
33 01 30 72-0135	LF	22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	631.10	
		For Vinylester Resin, Add	*418.99*	
		For Epoxy Resin, Add	*49.38*	
		For Up To >10, Add	*396.93*	
		For >10 To 25, Add	*231.01*	
		For >25 To 50, Add	*168.54*	
		For >50 To 100, Add	*84.27*	
		For >500 To 1,000, Deduct	*-32.37*	
		For >1,000 To 2,000, Deduct	*-48.96*	
		For >2,000 To 5,000, Deduct	*-79.96*	
		For >5,000, Deduct	*-132.73*	
33 01 30 72-0136	LF	22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	723.70	
		For Vinylester Resin, Add	*481.48*	
		For Epoxy Resin, Add	*56.75*	
		For Up To >10, Add	*451.53*	
		For >10 To 25, Add	*261.63*	
		For >25 To 50, Add	*191.37*	
		For >50 To 100, Add	*95.69*	
		For >500 To 1,000, Deduct	*-37.08*	
		For >1,000 To 2,000, Deduct	*-56.07*	
		For >2,000 To 5,000, Deduct	*-91.51*	
		For >5,000, Deduct	*-151.91*	
33 01 30 72-0137	LF	22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	816.69	
		For Vinylester Resin, Add	*543.97*	
		For Epoxy Resin, Add	*64.11*	
		For Up To >10, Add	*507.32*	
		For >10 To 25, Add	*293.25*	
		For >25 To 50, Add	*214.81*	
		For >50 To 100, Add	*107.40*	
		For >500 To 1,000, Deduct	*-41.82*	
		For >1,000 To 2,000, Deduct	*-63.23*	
		For >2,000 To 5,000, Deduct	*-103.15*	
		For >5,000, Deduct	*-171.26*	
33 01 30 72-0138	LF	22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	910.52	
		For Vinylester Resin, Add	*606.46*	
		For Epoxy Resin, Add	*71.48*	
		For Up To >10, Add	*565.64*	
		For >10 To 25, Add	*326.97*	
		For >25 To 50, Add	*239.50*	
		For >50 To 100, Add	*119.75*	
		For >500 To 1,000, Deduct	*-46.63*	
		For >1,000 To 2,000, Deduct	*-70.50*	
		For >2,000 To 5,000, Deduct	*-115.00*	
		For >5,000, Deduct	*-190.93*	
33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,098.16	
		For Vinylester Resin, Add	*731.44*	
		For Epoxy Resin, Add	*86.21*	
		For Up To >10, Add	*682.21*	
		For >10 To 25, Add	*394.35*	
		For >25 To 50, Add	*288.86*	
		For >50 To 100, Add	*144.43*	
		For >500 To 1,000, Deduct	*-56.24*	
		For >1,000 To 2,000, Deduct	*-85.02*	
		For >2,000 To 5,000, Deduct	*-138.70*	
		For >5,000, Deduct	*-230.28*	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,285.81	
		For Vinylester Resin, Add	*856.42*	
		For Epoxy Resin, Add	*100.94*	
		For Up To >10, Add	*798.78*	
		For >10 To 25, Add	*461.74*	
		For >25 To 50, Add	*338.22*	
		For >50 To 100, Add	*169.11*	
		For >500 To 1,000, Deduct	*-65.85*	
		For >1,000 To 2,000, Deduct	*-99.55*	
		For >2,000 To 5,000, Deduct	*-162.40*	
		For >5,000, Deduct	*-269.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,473.47	
		For Vinylester Resin, Add	*981.41*	
		For Epoxy Resin, Add	*115.67*	
		For Up To >10, Add	*915.39*	
		For >10 To 25, Add	*529.15*	
		For >25 To 50, Add	*387.59*	
		For >50 To 100, Add	*193.80*	
		For >500 To 1,000, Deduct	*-75.46*	
		For >1,000 To 2,000, Deduct	*-114.08*	
		For >2,000 To 5,000, Deduct	*-186.11*	
		For >5,000, Deduct	*-308.99*	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,661.11	
		For Vinylester Resin, Add	*1,106.39*	
		For Epoxy Resin, Add	*130.40*	
		For Up To >10, Add	*1,031.96*	
		For >10 To 25, Add	*596.54*	
		For >25 To 50, Add	*436.95*	
		For >50 To 100, Add	*218.48*	
		For >500 To 1,000, Deduct	*-85.07*	
		For >1,000 To 2,000, Deduct	*-128.61*	
		For >2,000 To 5,000, Deduct	*-209.81*	
		For >5,000, Deduct	*-348.33*	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,848.76	
		For Vinylester Resin, Add	*1,231.37*	
		For Epoxy Resin, Add	*145.13*	
		For Up To >10, Add	*1,148.53*	
		For >10 To 25, Add	*663.93*	
		For >25 To 50, Add	*486.31*	
		For >50 To 100, Add	*243.16*	
		For >500 To 1,000, Deduct	*-94.68*	
		For >1,000 To 2,000, Deduct	*-143.14*	
		For >2,000 To 5,000, Deduct	*-233.51*	
		For >5,000, Deduct	*-387.68*	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,039.59	
		For Vinylester Resin, Add	*1,356.36*	
		For Epoxy Resin, Add	*159.86*	
		For Up To >10, Add	*1,274.65*	
		For >10 To 25, Add	*739.26*	
		For >25 To 50, Add	*540.44*	
		For >50 To 100, Add	*270.22*	
		For >500 To 1,000, Deduct	*-104.53*	
		For >1,000 To 2,000, Deduct	*-158.07*	
		For >2,000 To 5,000, Deduct	*-258.00*	
		For >5,000, Deduct	*-428.31*	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,227.51	
		For Vinylester Resin, Add	*1,481.33*	
		For Epoxy Resin, Add	*174.59*	
		For Up To >10, Add	*1,392.06*	
		For >10 To 25, Add	*807.35*	
		For >25 To 50, Add	*590.22*	
		For >50 To 100, Add	*295.11*	
		For >500 To 1,000, Deduct	*-114.16*	
		For >1,000 To 2,000, Deduct	*-172.63*	
		For >2,000 To 5,000, Deduct	*-281.77*	
		For >5,000, Deduct	*-467.77*	

33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	572.11	
		For Vinylester Resin, Add	*378.95*	
		For Epoxy Resin, Add	*44.66*	
		For Up To >10, Add	*362.96*	
		For >10 To 25, Add	*212.24*	
		For >25 To 50, Add	*154.41*	
		For >50 To 100, Add	*77.21*	
		For >500 To 1,000, Deduct	*-29.37*	
		For >1,000 To 2,000, Deduct	*-44.45*	
		For >2,000 To 5,000, Deduct	*-72.65*	
		For >5,000, Deduct	*-120.57*	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	669.82	
		For Vinylester Resin, Add	*445.61*	
		For Epoxy Resin, Add	*52.52*	
		For Up To >10, Add	*418.01*	
		For >10 To 25, Add	*242.25*	
		For >25 To 50, Add	*177.18*	
		For >50 To 100, Add	*88.59*	
		For >500 To 1,000, Deduct	*-34.32*	
		For >1,000 To 2,000, Deduct	*-51.90*	
		For >2,000 To 5,000, Deduct	*-84.70*	
		For >5,000, Deduct	*-140.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0149	LF	24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	768.77	
		For Vinylester Resin, Add	*512.26*	
		For Epoxy Resin, Add	*60.37*	
		For Up To >10, Add	*476.81*	
		For >10 To 25, Add	*275.38*	
		For >25 To 50, Add	*201.82*	
		For >50 To 100, Add	*100.91*	
		For >500 To 1,000, Deduct	*-39.36*	
		For >1,000 To 2,000, Deduct	*-59.51*	
		For >2,000 To 5,000, Deduct	*-97.06*	
		For >5,000, Deduct	*-161.15*	
33 01 30 72-0150	LF	24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	868.82	
		For Vinylester Resin, Add	*578.91*	
		For Epoxy Resin, Add	*68.23*	
		For Up To >10, Add	*538.91*	
		For >10 To 25, Add	*311.26*	
		For >25 To 50, Add	*228.10*	
		For >50 To 100, Add	*114.05*	
		For >500 To 1,000, Deduct	*-44.49*	
		For >1,000 To 2,000, Deduct	*-67.25*	
		For >2,000 To 5,000, Deduct	*-109.69*	
		For >5,000, Deduct	*-182.12*	
33 01 30 72-0151	LF	24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	968.87	
		For Vinylester Resin, Add	*645.58*	
		For Epoxy Resin, Add	*76.09*	
		For Up To >10, Add	*600.99*	
		For >10 To 25, Add	*347.11*	
		For >25 To 50, Add	*254.38*	
		For >50 To 100, Add	*127.19*	
		For >500 To 1,000, Deduct	*-49.61*	
		For >1,000 To 2,000, Deduct	*-75.00*	
		For >2,000 To 5,000, Deduct	*-122.33*	
		For >5,000, Deduct	*-203.10*	
33 01 30 72-0152	LF	24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,168.99	
		For Vinylester Resin, Add	*778.90*	
		For Epoxy Resin, Add	*91.80*	
		For Up To >10, Add	*725.20*	
		For >10 To 25, Add	*418.88*	
		For >25 To 50, Add	*306.96*	
		For >50 To 100, Add	*153.48*	
		For >500 To 1,000, Deduct	*-59.86*	
		For >1,000 To 2,000, Deduct	*-90.49*	
		For >2,000 To 5,000, Deduct	*-147.60*	
		For >5,000, Deduct	*-245.05*	
33 01 30 72-0153	LF	24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,415.98	
		For Vinylester Resin, Add	*945.13*	
		For Epoxy Resin, Add	*111.39*	
		For Up To >10, Add	*872.49*	
		For >10 To 25, Add	*502.05*	
		For >25 To 50, Add	*368.74*	
		For >50 To 100, Add	*184.37*	
		For >500 To 1,000, Deduct	*-72.44*	
		For >1,000 To 2,000, Deduct	*-109.49*	
		For >2,000 To 5,000, Deduct	*-178.47*	
		For >5,000, Deduct	*-296.36*	
33 01 30 72-0154	LF	24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,569.06	
		For Vinylester Resin, Add	*1,045.52*	
		For Epoxy Resin, Add	*123.22*	
		For Up To >10, Add	*973.18*	
		For >10 To 25, Add	*562.05*	
		For >25 To 50, Add	*411.91*	
		For >50 To 100, Add	*205.96*	
		For >500 To 1,000, Deduct	*-80.34*	
		For >1,000 To 2,000, Deduct	*-121.45*	
		For >2,000 To 5,000, Deduct	*-198.10*	
		For >5,000, Deduct	*-328.90*	
33 01 30 72-0155	LF	24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,769.16	
		For Vinylester Resin, Add	*1,178.84*	
		For Epoxy Resin, Add	*138.93*	
		For Up To >10, Add	*1,097.36*	
		For >10 To 25, Add	*633.79*	
		For >25 To 50, Add	*464.48*	
		For >50 To 100, Add	*232.24*	
		For >500 To 1,000, Deduct	*-90.59*	
		For >1,000 To 2,000, Deduct	*-136.94*	
		For >2,000 To 5,000, Deduct	*-223.36*	
		For >5,000, Deduct	*-370.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0156	LF	24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,969.26	
		For Vinylester Resin, Add	*1,312.14*	
		For Epoxy Resin, Add	*154.65*	
		For Up To >10, Add	*1,221.56*	
		For >10 To 25, Add	*705.55*	
		For >25 To 50, Add	*517.05*	
		For >50 To 100, Add	*258.53*	
		For >500 To 1,000, Deduct	*-100.83*	
		For >1,000 To 2,000, Deduct	*-152.43*	
		For >2,000 To 5,000, Deduct	*-248.63*	
		For >5,000, Deduct	*-412.81*	
33 01 30 72-0157	LF	24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,172.68	
		For Vinylester Resin, Add	*1,445.47*	
		For Epoxy Resin, Add	*170.36*	
		For Up To >10, Add	*1,355.67*	
		For >10 To 25, Add	*785.56*	
		For >25 To 50, Add	*574.59*	
		For >50 To 100, Add	*287.29*	
		For >500 To 1,000, Deduct	*-111.33*	
		For >1,000 To 2,000, Deduct	*-168.34*	
		For >2,000 To 5,000, Deduct	*-274.73*	
		For >5,000, Deduct	*-456.08*	
33 01 30 72-0158	LF	24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,373.06	
		For Vinylester Resin, Add	*1,578.78*	
		For Epoxy Resin, Add	*186.07*	
		For Up To >10, Add	*1,480.68*	
		For >10 To 25, Add	*858.00*	
		For >25 To 50, Add	*627.57*	
		For >50 To 100, Add	*313.79*	
		For >500 To 1,000, Deduct	*-121.59*	
		For >1,000 To 2,000, Deduct	*-183.86*	
		For >2,000 To 5,000, Deduct	*-300.06*	
		For >5,000, Deduct	*-498.14*	
33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,573.45	
		For Vinylester Resin, Add	*1,712.10*	
		For Epoxy Resin, Add	*201.78*	
		For Up To >10, Add	*1,605.73*	
		For >10 To 25, Add	*930.46*	
		For >25 To 50, Add	*680.57*	
		For >50 To 100, Add	*340.29*	
		For >500 To 1,000, Deduct	*-131.86*	
		For >1,000 To 2,000, Deduct	*-199.39*	
		For >2,000 To 5,000, Deduct	*-325.40*	
		For >5,000, Deduct	*-540.21*	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,773.83	
		For Vinylester Resin, Add	*1,845.41*	
		For Epoxy Resin, Add	*217.49*	
		For Up To >10, Add	*1,730.74*	
		For >10 To 25, Add	*1,002.90*	
		For >25 To 50, Add	*733.56*	
		For >50 To 100, Add	*366.78*	
		For >500 To 1,000, Deduct	*-142.13*	
		For >1,000 To 2,000, Deduct	*-214.91*	
		For >2,000 To 5,000, Deduct	*-350.74*	
		For >5,000, Deduct	*-582.27*	

33 01 30 72-0161 25.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	708.72	
		For Vinylester Resin, Add	*472.06*	
		For Epoxy Resin, Add	*55.64*	
		For Up To >10, Add	*440.24*	
		For >10 To 25, Add	*254.47*	
		For >25 To 50, Add	*186.40*	
		For >50 To 100, Add	*93.20*	
		For >500 To 1,000, Deduct	*-36.29*	
		For >1,000 To 2,000, Deduct	*-54.87*	
		For >2,000 To 5,000, Deduct	*-89.51*	
		For >5,000, Deduct	*-148.61*	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	814.45	
		For Vinylester Resin, Add	*542.89*	
		For Epoxy Resin, Add	*63.98*	
		For Up To >10, Add	*504.48*	
		For >10 To 25, Add	*291.14*	
		For >25 To 50, Add	*213.46*	
		For >50 To 100, Add	*106.73*	
		For >500 To 1,000, Deduct	*-41.70*	
		For >1,000 To 2,000, Deduct	*-63.03*	
		For >2,000 To 5,000, Deduct	*-102.79*	
		For >5,000, Deduct	*-170.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	920.74	
		For Vinylester Resin, Add	*613.71*	
		For Epoxy Resin, Add	*72.33*	
		For Up To >10, Add	*570.40*	
		For >10 To 25, Add	*329.21*	
		For >25 To 50, Add	*241.36*	
		For >50 To 100, Add	*120.68*	
		For >500 To 1,000, Deduct	*-47.14*	
		For >1,000 To 2,000, Deduct	*-71.26*	
		For >2,000 To 5,000, Deduct	*-116.21*	
		For >5,000, Deduct	*-192.95*	
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,026.87	
		For Vinylester Resin, Add	*684.53*	
		For Epoxy Resin, Add	*80.68*	
		For Up To >10, Add	*635.86*	
		For >10 To 25, Add	*366.90*	
		For >25 To 50, Add	*269.04*	
		For >50 To 100, Add	*134.52*	
		For >500 To 1,000, Deduct	*-52.57*	
		For >1,000 To 2,000, Deduct	*-79.46*	
		For >2,000 To 5,000, Deduct	*-129.59*	
		For >5,000, Deduct	*-215.17*	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,239.43	
		For Vinylester Resin, Add	*826.18*	
		For Epoxy Resin, Add	*97.37*	
		For Up To >10, Add	*767.67*	
		For >10 To 25, Add	*443.01*	
		For >25 To 50, Add	*324.82*	
		For >50 To 100, Add	*162.41*	
		For >500 To 1,000, Deduct	*-63.45*	
		For >1,000 To 2,000, Deduct	*-95.92*	
		For >2,000 To 5,000, Deduct	*-156.43*	
		For >5,000, Deduct	*-259.72*	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,451.86	
		For Vinylester Resin, Add	*967.83*	
		For Epoxy Resin, Add	*114.07*	
		For Up To >10, Add	*899.06*	
		For >10 To 25, Add	*518.78*	
		For >25 To 50, Add	*380.40*	
		For >50 To 100, Add	*190.20*	
		For >500 To 1,000, Deduct	*-74.32*	
		For >1,000 To 2,000, Deduct	*-112.35*	
		For >2,000 To 5,000, Deduct	*-183.23*	
		For >5,000, Deduct	*-304.22*	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,664.42	
		For Vinylester Resin, Add	*1,109.47*	
		For Epoxy Resin, Add	*130.76*	
		For Up To >10, Add	*1,030.86*	
		For >10 To 25, Add	*594.89*	
		For >25 To 50, Add	*436.18*	
		For >50 To 100, Add	*218.09*	
		For >500 To 1,000, Deduct	*-85.21*	
		For >1,000 To 2,000, Deduct	*-128.80*	
		For >2,000 To 5,000, Deduct	*-210.06*	
		For >5,000, Deduct	*-348.78*	
33 01 30 72-0169	LF	25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,876.84	
		For Vinylester Resin, Add	*1,251.12*	
		For Epoxy Resin, Add	*147.45*	
		For Up To >10, Add	*1,162.25*	
		For >10 To 25, Add	*670.65*	
		For >25 To 50, Add	*491.76*	
		For >50 To 100, Add	*245.88*	
		For >500 To 1,000, Deduct	*-96.08*	
		For >1,000 To 2,000, Deduct	*-145.24*	
		For >2,000 To 5,000, Deduct	*-236.86*	
		For >5,000, Deduct	*-393.27*	
33 01 30 72-0170	LF	25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,089.40	
		For Vinylester Resin, Add	*1,392.77*	
		For Epoxy Resin, Add	*164.15*	
		For Up To >10, Add	*1,294.03*	
		For >10 To 25, Add	*746.74*	
		For >25 To 50, Add	*547.53*	
		For >50 To 100, Add	*273.76*	
		For >500 To 1,000, Deduct	*-106.96*	
		For >1,000 To 2,000, Deduct	*-161.69*	
		For >2,000 To 5,000, Deduct	*-263.69*	
		For >5,000, Deduct	*-437.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0171	LF	25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,306.38	
		For Vinylester Resin, Add	*1,534.41*	
		For Epoxy Resin, Add	*180.84*	
		For Up To >10, Add	*1,439.09*	
		For >10 To 25, Add	*833.91*	
		For >25 To 50, Add	*609.94*	
		For >50 To 100, Add	*304.97*	
		For >500 To 1,000, Deduct	*-118.18*	
		For >1,000 To 2,000, Deduct	*-178.70*	
		For >2,000 To 5,000, Deduct	*-291.63*	
		For >5,000, Deduct	*-484.15*	
33 01 30 72-0172	LF	25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,519.35	
		For Vinylester Resin, Add	*1,676.06*	
		For Epoxy Resin, Add	*197.54*	
		For Up To >10, Add	*1,572.13*	
		For >10 To 25, Add	*911.04*	
		For >25 To 50, Add	*666.34*	
		For >50 To 100, Add	*333.17*	
		For >500 To 1,000, Deduct	*-129.09*	
		For >1,000 To 2,000, Deduct	*-195.20*	
		For >2,000 To 5,000, Deduct	*-318.57*	
		For >5,000, Deduct	*-528.87*	
33 01 30 72-0173	LF	25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,732.18	
		For Vinylester Resin, Add	*1,817.70*	
		For Epoxy Resin, Add	*214.23*	
		For Up To >10, Add	*1,704.74*	
		For >10 To 25, Add	*987.83*	
		For >25 To 50, Add	*722.53*	
		For >50 To 100, Add	*361.27*	
		For >500 To 1,000, Deduct	*-140.00*	
		For >1,000 To 2,000, Deduct	*-211.69*	
		For >2,000 To 5,000, Deduct	*-345.47*	
		For >5,000, Deduct	*-573.53*	
33 01 30 72-0174	LF	25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,945.15	
		For Vinylester Resin, Add	*1,959.35*	
		For Epoxy Resin, Add	*230.92*	
		For Up To >10, Add	*1,837.78*	
		For >10 To 25, Add	*1,064.97*	
		For >25 To 50, Add	*778.93*	
		For >50 To 100, Add	*389.47*	
		For >500 To 1,000, Deduct	*-150.91*	
		For >1,000 To 2,000, Deduct	*-228.19*	
		For >2,000 To 5,000, Deduct	*-372.41*	
		For >5,000, Deduct	*-618.25*	

33 01 30 72-0175 27mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0176	LF	27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	747.24	
		For Vinylester Resin, Add	*498.35*	
		For Epoxy Resin, Add	*58.73*	
		For Up To >10, Add	*461.90*	
		For >10 To 25, Add	*266.26*	
		For >25 To 50, Add	*195.35*	
		For >50 To 100, Add	*97.68*	
		For >500 To 1,000, Deduct	*-38.24*	
		For >1,000 To 2,000, Deduct	*-57.81*	
		For >2,000 To 5,000, Deduct	*-94.26*	
		For >5,000, Deduct	*-156.51*	
33 01 30 72-0177	LF	27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	859.75	
		For Vinylester Resin, Add	*573.34*	
		For Epoxy Resin, Add	*67.57*	
		For Up To >10, Add	*531.60*	
		For >10 To 25, Add	*306.49*	
		For >25 To 50, Add	*224.85*	
		For >50 To 100, Add	*112.42*	
		For >500 To 1,000, Deduct	*-44.00*	
		For >1,000 To 2,000, Deduct	*-66.52*	
		For >2,000 To 5,000, Deduct	*-108.46*	
		For >5,000, Deduct	*-180.09*	
33 01 30 72-0178	LF	27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	972.27	
		For Vinylester Resin, Add	*648.33*	
		For Epoxy Resin, Add	*76.41*	
		For Up To >10, Add	*601.34*	
		For >10 To 25, Add	*346.75*	
		For >25 To 50, Add	*254.36*	
		For >50 To 100, Add	*127.18*	
		For >500 To 1,000, Deduct	*-49.77*	
		For >1,000 To 2,000, Deduct	*-75.22*	
		For >2,000 To 5,000, Deduct	*-122.66*	
		For >5,000, Deduct	*-203.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,084.64	
		For Vinylester Resin, Add	*723.32*	
		For Epoxy Resin, Add	*85.25*	
		For Up To >10, Add	*670.62*	
		For >10 To 25, Add	*386.63*	
		For >25 To 50, Add	*283.64*	
		For >50 To 100, Add	*141.82*	
		For >500 To 1,000, Deduct	*-55.52*	
		For >1,000 To 2,000, Deduct	*-83.91*	
		For >2,000 To 5,000, Deduct	*-136.83*	
		For >5,000, Deduct	*-227.19*	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,309.51	
		For Vinylester Resin, Add	*873.30*	
		For Epoxy Resin, Add	*102.92*	
		For Up To >10, Add	*809.61*	
		For >10 To 25, Add	*466.74*	
		For >25 To 50, Add	*342.42*	
		For >50 To 100, Add	*171.21*	
		For >500 To 1,000, Deduct	*-67.02*	
		For >1,000 To 2,000, Deduct	*-101.31*	
		For >2,000 To 5,000, Deduct	*-165.19*	
		For >5,000, Deduct	*-274.29*	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,534.52	
		For Vinylester Resin, Add	*1,023.27*	
		For Epoxy Resin, Add	*120.60*	
		For Up To >10, Add	*949.01*	
		For >10 To 25, Add	*547.21*	
		For >25 To 50, Add	*401.41*	
		For >50 To 100, Add	*200.71*	
		For >500 To 1,000, Deduct	*-78.54*	
		For >1,000 To 2,000, Deduct	*-118.72*	
		For >2,000 To 5,000, Deduct	*-193.59*	
		For >5,000, Deduct	*-321.44*	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,759.41	
		For Vinylester Resin, Add	*1,173.26*	
		For Epoxy Resin, Add	*138.28*	
		For Up To >10, Add	*1,088.01*	
		For >10 To 25, Add	*627.32*	
		For >25 To 50, Add	*460.20*	
		For >50 To 100, Add	*230.10*	
		For >500 To 1,000, Deduct	*-90.05*	
		For >1,000 To 2,000, Deduct	*-136.12*	
		For >2,000 To 5,000, Deduct	*-221.96*	
		For >5,000, Deduct	*-368.55*	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,984.28	
		For Vinylester Resin, Add	*1,323.24*	
		For Epoxy Resin, Add	*155.95*	
		For Up To >10, Add	*1,226.99*	
		For >10 To 25, Add	*707.44*	
		For >25 To 50, Add	*518.98*	
		For >50 To 100, Add	*259.49*	
		For >500 To 1,000, Deduct	*-101.56*	
		For >1,000 To 2,000, Deduct	*-153.52*	
		For >2,000 To 5,000, Deduct	*-250.33*	
		For >5,000, Deduct	*-415.64*	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,209.15	
		For Vinylester Resin, Add	*1,473.21*	
		For Epoxy Resin, Add	*173.63*	
		For Up To >10, Add	*1,365.98*	
		For >10 To 25, Add	*787.55*	
		For >25 To 50, Add	*577.76*	
		For >50 To 100, Add	*288.88*	
		For >500 To 1,000, Deduct	*-113.07*	
		For >1,000 To 2,000, Deduct	*-170.91*	
		For >2,000 To 5,000, Deduct	*-278.69*	
		For >5,000, Deduct	*-462.74*	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,439.83	
		For Vinylester Resin, Add	*1,623.20*	
		For Epoxy Resin, Add	*191.31*	
		For Up To >10, Add	*1,522.37*	
		For >10 To 25, Add	*882.16*	
		For >25 To 50, Add	*645.24*	
		For >50 To 100, Add	*322.62*	
		For >500 To 1,000, Deduct	*-125.02*	
		For >1,000 To 2,000, Deduct	*-189.04*	
		For >2,000 To 5,000, Deduct	*-308.51*	
		For >5,000, Deduct	*-512.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,665.25	
		For Vinylester Resin, Add	*1,773.17*	
		For Epoxy Resin, Add	*208.98*	
		For Up To >10, Add	*1,663.00*	
		For >10 To 25, Add	*963.65*	
		For >25 To 50, Add	*704.85*	
		For >50 To 100, Add	*352.42*	
		For >500 To 1,000, Deduct	*-136.57*	
		For >1,000 To 2,000, Deduct	*-206.50*	
		For >2,000 To 5,000, Deduct	*-337.01*	
		For >5,000, Deduct	*-559.48*	
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,890.68	
		For Vinylester Resin, Add	*1,923.15*	
		For Epoxy Resin, Add	*226.66*	
		For Up To >10, Add	*1,803.64*	
		For >10 To 25, Add	*1,045.14*	
		For >25 To 50, Add	*764.45*	
		For >50 To 100, Add	*382.23*	
		For >500 To 1,000, Deduct	*-148.12*	
		For >1,000 To 2,000, Deduct	*-223.97*	
		For >2,000 To 5,000, Deduct	*-365.51*	
		For >5,000, Deduct	*-606.80*	
33 01 30 72-0188	LF	27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,116.11	
		For Vinylester Resin, Add	*2,073.13*	
		For Epoxy Resin, Add	*244.33*	
		For Up To >10, Add	*1,944.31*	
		For >10 To 25, Add	*1,126.65*	
		For >25 To 50, Add	*824.07*	
		For >50 To 100, Add	*412.04*	
		For >500 To 1,000, Deduct	*-159.67*	
		For >1,000 To 2,000, Deduct	*-241.43*	
		For >2,000 To 5,000, Deduct	*-394.02*	
		For >5,000, Deduct	*-654.12*	

33 01 30 72-0189 28.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0190	LF	28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	904.55	
		For Vinylester Resin, Add	*603.64*	
		For Epoxy Resin, Add	*71.14*	
		For Up To >10, Add	*557.80*	
		For >10 To 25, Add	*321.11*	
		For >25 To 50, Add	*235.78*	
		For >50 To 100, Add	*117.89*	
		For >500 To 1,000, Deduct	*-46.28*	
		For >1,000 To 2,000, Deduct	*-69.95*	
		For >2,000 To 5,000, Deduct	*-114.03*	
		For >5,000, Deduct	*-189.35*	
33 01 30 72-0191	LF	28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,023.29	
		For Vinylester Resin, Add	*682.79*	
		For Epoxy Resin, Add	*80.47*	
		For Up To >10, Add	*631.32*	
		For >10 To 25, Add	*363.53*	
		For >25 To 50, Add	*266.89*	
		For >50 To 100, Add	*133.44*	
		For >500 To 1,000, Deduct	*-52.36*	
		For >1,000 To 2,000, Deduct	*-79.14*	
		For >2,000 To 5,000, Deduct	*-129.02*	
		For >5,000, Deduct	*-214.23*	
33 01 30 72-0192	LF	28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,141.88	
		For Vinylester Resin, Add	*761.95*	
		For Epoxy Resin, Add	*89.80*	
		For Up To >10, Add	*704.39*	
		For >10 To 25, Add	*405.58*	
		For >25 To 50, Add	*297.77*	
		For >50 To 100, Add	*148.89*	
		For >500 To 1,000, Deduct	*-58.43*	
		For >1,000 To 2,000, Deduct	*-88.31*	
		For >2,000 To 5,000, Deduct	*-143.97*	
		For >5,000, Deduct	*-239.05*	
33 01 30 72-0193	LF	28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,445.92	
		For Vinylester Resin, Add	*967.05*	
		For Epoxy Resin, Add	*113.97*	
		For Up To >10, Add	*884.01*	
		For >10 To 25, Add	*506.43*	
		For >25 To 50, Add	*372.93*	
		For >50 To 100, Add	*186.47*	
		For >500 To 1,000, Deduct	*-73.91*	
		For >1,000 To 2,000, Deduct	*-111.67*	
		For >2,000 To 5,000, Deduct	*-181.89*	
		For >5,000, Deduct	*-302.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0194	LF	28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,616.41	
		For Vinylester Resin, Add	*1,078.57*	
		For Epoxy Resin, Add	*127.12*	
		For Up To >10, Add	*997.21*	
		For >10 To 25, Add	*574.20*	
		For >25 To 50, Add	*421.56*	
		For >50 To 100, Add	*210.78*	
		For >500 To 1,000, Deduct	*-82.71*	
		For >1,000 To 2,000, Deduct	*-125.01*	
		For >2,000 To 5,000, Deduct	*-203.80*	
		For >5,000, Deduct	*-338.40*	
33 01 30 72-0195	LF	28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,853.61	
		For Vinylester Resin, Add	*1,236.89*	
		For Epoxy Resin, Add	*145.78*	
		For Up To >10, Add	*1,143.38*	
		For >10 To 25, Add	*658.32*	
		For >25 To 50, Add	*483.34*	
		For >50 To 100, Add	*241.67*	
		For >500 To 1,000, Deduct	*-94.85*	
		For >1,000 To 2,000, Deduct	*-143.35*	
		For >2,000 To 5,000, Deduct	*-233.70*	
		For >5,000, Deduct	*-388.05*	
33 01 30 72-0196	LF	28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,090.79	
		For Vinylester Resin, Add	*1,395.19*	
		For Epoxy Resin, Add	*164.43*	
		For Up To >10, Add	*1,289.55*	
		For >10 To 25, Add	*742.43*	
		For >25 To 50, Add	*545.12*	
		For >50 To 100, Add	*272.56*	
		For >500 To 1,000, Deduct	*-106.98*	
		For >1,000 To 2,000, Deduct	*-161.69*	
		For >2,000 To 5,000, Deduct	*-263.59*	
		For >5,000, Deduct	*-437.69*	
33 01 30 72-0197	LF	28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,327.99	
		For Vinylester Resin, Add	*1,553.50*	
		For Epoxy Resin, Add	*183.09*	
		For Up To >10, Add	*1,435.75*	
		For >10 To 25, Add	*826.57*	
		For >25 To 50, Add	*606.91*	
		For >50 To 100, Add	*303.45*	
		For >500 To 1,000, Deduct	*-119.12*	
		For >1,000 To 2,000, Deduct	*-180.03*	
		For >2,000 To 5,000, Deduct	*-293.49*	
		For >5,000, Deduct	*-487.34*	
33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,571.25	
		For Vinylester Resin, Add	*1,711.82*	
		For Epoxy Resin, Add	*201.75*	
		For Up To >10, Add	*1,600.13*	
		For >10 To 25, Add	*925.86*	
		For >25 To 50, Add	*677.79*	
		For >50 To 100, Add	*338.90*	
		For >500 To 1,000, Deduct	*-131.71*	
		For >1,000 To 2,000, Deduct	*-199.13*	
		For >2,000 To 5,000, Deduct	*-324.90*	
		For >5,000, Deduct	*-539.41*	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,809.00	
		For Vinylester Resin, Add	*1,870.13*	
		For Epoxy Resin, Add	*220.41*	
		For Up To >10, Add	*1,747.98*	
		For >10 To 25, Add	*1,011.38*	
		For >25 To 50, Add	*740.41*	
		For >50 To 100, Add	*370.20*	
		For >500 To 1,000, Deduct	*-143.88*	
		For >1,000 To 2,000, Deduct	*-217.54*	
		For >2,000 To 5,000, Deduct	*-354.94*	
		For >5,000, Deduct	*-589.28*	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,046.87	
		For Vinylester Resin, Add	*2,028.43*	
		For Epoxy Resin, Add	*239.07*	
		For Up To >10, Add	*1,896.21*	
		For >10 To 25, Add	*1,097.22*	
		For >25 To 50, Add	*803.22*	
		For >50 To 100, Add	*401.61*	
		For >500 To 1,000, Deduct	*-156.07*	
		For >1,000 To 2,000, Deduct	*-235.97*	
		For >2,000 To 5,000, Deduct	*-385.01*	
		For >5,000, Deduct	*-639.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,284.62	
		For Vinylester Resin, Add	*2,186.74*	
		For Epoxy Resin, Add	*257.72*	
		For Up To >10, Add	*2,044.06*	
		For >10 To 25, Add	*1,182.73*	
		For >25 To 50, Add	*865.83*	
		For >50 To 100, Add	*432.92*	
		For >500 To 1,000, Deduct	*-168.25*	
		For >1,000 To 2,000, Deduct	*-254.38*	
		For >2,000 To 5,000, Deduct	*-415.05*	
		For >5,000, Deduct	*-689.06*	

33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	949.12	
		For Vinylester Resin, Add	*633.77*	
		For Epoxy Resin, Add	*74.69*	
		For Up To >10, Add	*583.89*	
		For >10 To 25, Add	*335.67*	
		For >25 To 50, Add	*246.67*	
		For >50 To 100, Add	*123.34*	
		For >500 To 1,000, Deduct	*-48.55*	
		For >1,000 To 2,000, Deduct	*-73.37*	
		For >2,000 To 5,000, Deduct	*-119.58*	
		For >5,000, Deduct	*-198.57*	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,073.94	
		For Vinylester Resin, Add	*717.09*	
		For Epoxy Resin, Add	*84.51*	
		For Up To >10, Add	*660.77*	
		For >10 To 25, Add	*379.91*	
		For >25 To 50, Add	*279.16*	
		For >50 To 100, Add	*139.58*	
		For >500 To 1,000, Deduct	*-54.94*	
		For >1,000 To 2,000, Deduct	*-83.02*	
		For >2,000 To 5,000, Deduct	*-135.31*	
		For >5,000, Deduct	*-224.69*	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,198.76	
		For Vinylester Resin, Add	*800.41*	
		For Epoxy Resin, Add	*94.33*	
		For Up To >10, Add	*737.68*	
		For >10 To 25, Add	*424.16*	
		For >25 To 50, Add	*311.67*	
		For >50 To 100, Add	*155.83*	
		For >500 To 1,000, Deduct	*-61.32*	
		For >1,000 To 2,000, Deduct	*-92.67*	
		For >2,000 To 5,000, Deduct	*-151.04*	
		For >5,000, Deduct	*-250.82*	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,448.26	
		For Vinylester Resin, Add	*967.05*	
		For Epoxy Resin, Add	*113.97*	
		For Up To >10, Add	*891.03*	
		For >10 To 25, Add	*512.28*	
		For >25 To 50, Add	*376.44*	
		For >50 To 100, Add	*188.22*	
		For >500 To 1,000, Deduct	*-74.08*	
		For >1,000 To 2,000, Deduct	*-111.96*	
		For >2,000 To 5,000, Deduct	*-182.47*	
		For >5,000, Deduct	*-303.00*	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,697.91	
		For Vinylester Resin, Add	*1,133.69*	
		For Epoxy Resin, Add	*133.61*	
		For Up To >10, Add	*1,044.83*	
		For >10 To 25, Add	*600.77*	
		For >25 To 50, Add	*441.44*	
		For >50 To 100, Add	*220.72*	
		For >500 To 1,000, Deduct	*-86.85*	
		For >1,000 To 2,000, Deduct	*-131.26*	
		For >2,000 To 5,000, Deduct	*-213.93*	
		For >5,000, Deduct	*-355.25*	
33 01 30 72-0208	LF	30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,947.43	
		For Vinylester Resin, Add	*1,300.34*	
		For Epoxy Resin, Add	*153.25*	
		For Up To >10, Add	*1,198.22*	
		For >10 To 25, Add	*688.91*	
		For >25 To 50, Add	*506.23*	
		For >50 To 100, Add	*253.11*	
		For >500 To 1,000, Deduct	*-99.62*	
		For >1,000 To 2,000, Deduct	*-150.55*	
		For >2,000 To 5,000, Deduct	*-245.37*	
		For >5,000, Deduct	*-407.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0209	LF	30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,197.08	
		For Vinylester Resin, Add	*1,466.98*	
		For Epoxy Resin, Add	*172.89*	
		For Up To >10, Add	*1,352.02*	
		For >10 To 25, Add	*777.40*	
		For >25 To 50, Add	*571.22*	
		For >50 To 100, Add	*285.61*	
		For >500 To 1,000, Deduct	*-112.39*	
		For >1,000 To 2,000, Deduct	*-169.85*	
		For >2,000 To 5,000, Deduct	*-276.83*	
		For >5,000, Deduct	*-459.69*	
33 01 30 72-0210	LF	30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,446.59	
		For Vinylester Resin, Add	*1,633.63*	
		For Epoxy Resin, Add	*192.53*	
		For Up To >10, Add	*1,505.40*	
		For >10 To 25, Add	*865.54*	
		For >25 To 50, Add	*636.01*	
		For >50 To 100, Add	*318.01*	
		For >500 To 1,000, Deduct	*-125.15*	
		For >1,000 To 2,000, Deduct	*-189.14*	
		For >2,000 To 5,000, Deduct	*-308.26*	
		For >5,000, Deduct	*-511.89*	
33 01 30 72-0211	LF	30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,702.45	
		For Vinylester Resin, Add	*1,800.27*	
		For Epoxy Resin, Add	*212.17*	
		For Up To >10, Add	*1,677.83*	
		For >10 To 25, Add	*969.55*	
		For >25 To 50, Add	*710.32*	
		For >50 To 100, Add	*355.16*	
		For >500 To 1,000, Deduct	*-138.39*	
		For >1,000 To 2,000, Deduct	*-209.22*	
		For >2,000 To 5,000, Deduct	*-341.28*	
		For >5,000, Deduct	*-566.62*	
33 01 30 72-0212	LF	30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,952.52	
		For Vinylester Resin, Add	*1,966.92*	
		For Epoxy Resin, Add	*231.82*	
		For Up To >10, Add	*1,832.86*	
		For >10 To 25, Add	*1,059.07*	
		For >25 To 50, Add	*775.94*	
		For >50 To 100, Add	*387.97*	
		For >500 To 1,000, Deduct	*-151.19*	
		For >1,000 To 2,000, Deduct	*-228.57*	
		For >2,000 To 5,000, Deduct	*-372.85*	
		For >5,000, Deduct	*-619.03*	
33 01 30 72-0213	LF	30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,202.70	
		For Vinylester Resin, Add	*2,133.55*	
		For Epoxy Resin, Add	*251.45*	
		For Up To >10, Add	*1,988.28*	
		For >10 To 25, Add	*1,148.91*	
		For >25 To 50, Add	*841.74*	
		For >50 To 100, Add	*420.87*	
		For >500 To 1,000, Deduct	*-164.00*	
		For >1,000 To 2,000, Deduct	*-247.94*	
		For >2,000 To 5,000, Deduct	*-404.44*	
		For >5,000, Deduct	*-671.49*	
33 01 30 72-0214	LF	30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,452.91	
		For Vinylester Resin, Add	*2,300.20*	
		For Epoxy Resin, Add	*271.10*	
		For Up To >10, Add	*2,143.73*	
		For >10 To 25, Add	*1,238.78*	
		For >25 To 50, Add	*907.57*	
		For >50 To 100, Add	*453.78*	
		For >500 To 1,000, Deduct	*-176.82*	
		For >1,000 To 2,000, Deduct	*-267.31*	
		For >2,000 To 5,000, Deduct	*-436.05*	
		For >5,000, Deduct	*-723.96*	
33 01 30 72-0215	LF	30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,702.97	
		For Vinylester Resin, Add	*2,466.84*	
		For Epoxy Resin, Add	*290.73*	
		For Up To >10, Add	*2,298.76*	
		For >10 To 25, Add	*1,328.29*	
		For >25 To 50, Add	*973.18*	
		For >50 To 100, Add	*486.59*	
		For >500 To 1,000, Deduct	*-189.62*	
		For >1,000 To 2,000, Deduct	*-286.67*	
		For >2,000 To 5,000, Deduct	*-467.61*	
		For >5,000, Deduct	*-776.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0216	LF	30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,953.17	
		For Vinylester Resin, Add	*2,633.48*	
		For Epoxy Resin, Add	*310.37*	
		For Up To >10, Add	*2,454.21*	
		For >10 To 25, Add	*1,418.16*	
		For >25 To 50, Add	*1,039.00*	
		For >50 To 100, Add	*519.50*	
		For >500 To 1,000, Deduct	*-202.43*	
		For >1,000 To 2,000, Deduct	*-306.04*	
		For >2,000 To 5,000, Deduct	*-499.22*	
		For >5,000, Deduct	*-828.84*	

33 01 30 72-0217 31.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	993.44	
		For Vinylester Resin, Add	*663.73*	
		For Epoxy Resin, Add	*78.23*	
		For Up To >10, Add	*609.85*	
		For >10 To 25, Add	*350.17*	
		For >25 To 50, Add	*257.51*	
		For >50 To 100, Add	*128.76*	
		For >500 To 1,000, Deduct	*-50.80*	
		For >1,000 To 2,000, Deduct	*-76.77*	
		For >2,000 To 5,000, Deduct	*-125.10*	
		For >5,000, Deduct	*-207.74*	
33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,124.36	
		For Vinylester Resin, Add	*751.23*	
		For Epoxy Resin, Add	*88.54*	
		For Up To >10, Add	*690.13*	
		For >10 To 25, Add	*396.25*	
		For >25 To 50, Add	*291.41*	
		For >50 To 100, Add	*145.70*	
		For >500 To 1,000, Deduct	*-57.50*	
		For >1,000 To 2,000, Deduct	*-86.89*	
		For >2,000 To 5,000, Deduct	*-141.58*	
		For >5,000, Deduct	*-235.11*	
33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,255.26	
		For Vinylester Resin, Add	*838.71*	
		For Epoxy Resin, Add	*98.85*	
		For Up To >10, Add	*770.41*	
		For >10 To 25, Add	*442.31*	
		For >25 To 50, Add	*325.30*	
		For >50 To 100, Add	*162.65*	
		For >500 To 1,000, Deduct	*-64.19*	
		For >1,000 To 2,000, Deduct	*-97.00*	
		For >2,000 To 5,000, Deduct	*-158.06*	
		For >5,000, Deduct	*-262.47*	
33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,517.23	
		For Vinylester Resin, Add	*1,013.68*	
		For Epoxy Resin, Add	*119.47*	
		For Up To >10, Add	*931.39*	
		For >10 To 25, Add	*534.81*	
		For >25 To 50, Add	*393.29*	
		For >50 To 100, Add	*196.64*	
		For >500 To 1,000, Deduct	*-77.59*	
		For >1,000 To 2,000, Deduct	*-117.25*	
		For >2,000 To 5,000, Deduct	*-191.05*	
		For >5,000, Deduct	*-317.27*	
33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,779.06	
		For Vinylester Resin, Add	*1,188.66*	
		For Epoxy Resin, Add	*140.09*	
		For Up To >10, Add	*1,091.96*	
		For >10 To 25, Add	*626.95*	
		For >25 To 50, Add	*461.07*	
		For >50 To 100, Add	*230.54*	
		For >500 To 1,000, Deduct	*-90.98*	
		For >1,000 To 2,000, Deduct	*-137.48*	
		For >2,000 To 5,000, Deduct	*-224.01*	
		For >5,000, Deduct	*-372.01*	
33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,041.03	
		For Vinylester Resin, Add	*1,363.64*	
		For Epoxy Resin, Add	*160.71*	
		For Up To >10, Add	*1,252.97*	
		For >10 To 25, Add	*719.46*	
		For >25 To 50, Add	*529.08*	
		For >50 To 100, Add	*264.54*	
		For >500 To 1,000, Deduct	*-104.38*	
		For >1,000 To 2,000, Deduct	*-157.73*	
		For >2,000 To 5,000, Deduct	*-257.01*	
		For >5,000, Deduct	*-426.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,302.85	
		For Vinylester Resin, Add	*1,538.61*	
		For Epoxy Resin, Add	*181.34*	
		For Up To >10, Add	*1,413.53*	
		For >10 To 25, Add	*811.60*	
		For >25 To 50, Add	*596.86*	
		For >50 To 100, Add	*298.43*	
		For >500 To 1,000, Deduct	*-117.76*	
		For >1,000 To 2,000, Deduct	*-177.96*	
		For >2,000 To 5,000, Deduct	*-289.97*	
		For >5,000, Deduct	*-481.54*	
33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,564.68	
		For Vinylester Resin, Add	*1,713.59*	
		For Epoxy Resin, Add	*201.96*	
		For Up To >10, Add	*1,574.09*	
		For >10 To 25, Add	*903.75*	
		For >25 To 50, Add	*664.65*	
		For >50 To 100, Add	*332.32*	
		For >500 To 1,000, Deduct	*-131.15*	
		For >1,000 To 2,000, Deduct	*-198.19*	
		For >2,000 To 5,000, Deduct	*-322.93*	
		For >5,000, Deduct	*-536.28*	
33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,833.13	
		For Vinylester Resin, Add	*1,888.57*	
		For Epoxy Resin, Add	*222.58*	
		For Up To >10, Add	*1,754.52*	
		For >10 To 25, Add	*1,012.44*	
		For >25 To 50, Add	*742.36*	
		For >50 To 100, Add	*371.18*	
		For >500 To 1,000, Deduct	*-145.04*	
		For >1,000 To 2,000, Deduct	*-219.24*	
		For >2,000 To 5,000, Deduct	*-357.55*	
		For >5,000, Deduct	*-593.66*	
33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,115.92	
		For Vinylester Resin, Add	*2,077.63*	
		For Epoxy Resin, Add	*244.86*	
		For Up To >10, Add	*1,927.66*	
		For >10 To 25, Add	*1,111.71*	
		For >25 To 50, Add	*815.43*	
		For >50 To 100, Add	*407.71*	
		For >500 To 1,000, Deduct	*-159.49*	
		For >1,000 To 2,000, Deduct	*-241.09*	
		For >2,000 To 5,000, Deduct	*-393.13*	
		For >5,000, Deduct	*-652.76*	
33 01 30 72-0228	LF	31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,358.02	
		For Vinylester Resin, Add	*2,238.51*	
		For Epoxy Resin, Add	*263.82*	
		For Up To >10, Add	*2,079.39*	
		For >10 To 25, Add	*1,199.84*	
		For >25 To 50, Add	*879.80*	
		For >50 To 100, Add	*439.90*	
		For >500 To 1,000, Deduct	*-171.90*	
		For >1,000 To 2,000, Deduct	*-259.86*	
		For >2,000 To 5,000, Deduct	*-423.78*	
		For >5,000, Deduct	*-703.63*	
33 01 30 72-0229	LF	31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,620.54	
		For Vinylester Resin, Add	*2,413.49*	
		For Epoxy Resin, Add	*284.45*	
		For Up To >10, Add	*2,242.02*	
		For >10 To 25, Add	*1,293.71*	
		For >25 To 50, Add	*948.62*	
		For >50 To 100, Add	*474.31*	
		For >500 To 1,000, Deduct	*-185.34*	
		For >1,000 To 2,000, Deduct	*-280.18*	
		For >2,000 To 5,000, Deduct	*-456.92*	
		For >5,000, Deduct	*-758.65*	
33 01 30 72-0230	LF	31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,882.92	
		For Vinylester Resin, Add	*2,588.46*	
		For Epoxy Resin, Add	*305.07*	
		For Up To >10, Add	*2,404.26*	
		For >10 To 25, Add	*1,387.25*	
		For >25 To 50, Add	*1,017.24*	
		For >50 To 100, Add	*508.62*	
		For >500 To 1,000, Deduct	*-198.77*	
		For >1,000 To 2,000, Deduct	*-300.48*	
		For >2,000 To 5,000, Deduct	*-490.02*	
		For >5,000, Deduct	*-813.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0231	LF	31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,145.44	
		For Vinylester Resin, Add	*2,763.43*	
		For Epoxy Resin, Add	*325.69*	
		For Up To >10, Add	*2,566.92*	
		For >10 To 25, Add	*1,481.14*	
		For >25 To 50, Add	*1,086.07*	
		For >50 To 100, Add	*543.04*	
		For >500 To 1,000, Deduct	*-212.21*	
		For >1,000 To 2,000, Deduct	*-320.79*	
		For >2,000 To 5,000, Deduct	*-523.15*	
		For >5,000, Deduct	*-868.62*	

33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0233	LF	33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,037.39	
		For Vinylester Resin, Add	*693.54*	
		For Epoxy Resin, Add	*81.74*	
		For Up To >10, Add	*635.25*	
		For >10 To 25, Add	*364.24*	
		For >25 To 50, Add	*268.08*	
		For >50 To 100, Add	*134.04*	
		For >500 To 1,000, Deduct	*-53.04*	
		For >1,000 To 2,000, Deduct	*-80.14*	
		For >2,000 To 5,000, Deduct	*-130.55*	
		For >5,000, Deduct	*-216.80*	
33 01 30 72-0234	LF	33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,174.53	
		For Vinylester Resin, Add	*785.19*	
		For Epoxy Resin, Add	*92.54*	
		For Up To >10, Add	*719.34*	
		For >10 To 25, Add	*412.50*	
		For >25 To 50, Add	*303.59*	
		For >50 To 100, Add	*151.79*	
		For >500 To 1,000, Deduct	*-60.05*	
		For >1,000 To 2,000, Deduct	*-90.73*	
		For >2,000 To 5,000, Deduct	*-147.81*	
		For >5,000, Deduct	*-245.47*	
33 01 30 72-0235	LF	33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,311.53	
		For Vinylester Resin, Add	*876.84*	
		For Epoxy Resin, Add	*103.34*	
		For Up To >10, Add	*803.02*	
		For >10 To 25, Add	*460.41*	
		For >25 To 50, Add	*338.88*	
		For >50 To 100, Add	*169.44*	
		For >500 To 1,000, Deduct	*-67.05*	
		For >1,000 To 2,000, Deduct	*-101.31*	
		For >2,000 To 5,000, Deduct	*-165.04*	
		For >5,000, Deduct	*-274.09*	
33 01 30 72-0236	LF	33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,585.83	
		For Vinylester Resin, Add	*1,060.16*	
		For Epoxy Resin, Add	*124.95*	
		For Up To >10, Add	*971.22*	
		For >10 To 25, Add	*556.93*	
		For >25 To 50, Add	*409.88*	
		For >50 To 100, Add	*204.94*	
		For >500 To 1,000, Deduct	*-81.07*	
		For >1,000 To 2,000, Deduct	*-122.50*	
		For >2,000 To 5,000, Deduct	*-199.57*	
		For >5,000, Deduct	*-331.43*	
33 01 30 72-0237	LF	33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,859.97	
		For Vinylester Resin, Add	*1,243.46*	
		For Epoxy Resin, Add	*146.55*	
		For Up To >10, Add	*1,138.99*	
		For >10 To 25, Add	*653.09*	
		For >25 To 50, Add	*480.67*	
		For >50 To 100, Add	*240.34*	
		For >500 To 1,000, Deduct	*-95.09*	
		For >1,000 To 2,000, Deduct	*-143.68*	
		For >2,000 To 5,000, Deduct	*-234.06*	
		For >5,000, Deduct	*-388.71*	
33 01 30 72-0238	LF	33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,134.25	
		For Vinylester Resin, Add	*1,426.77*	
		For Epoxy Resin, Add	*168.15*	
		For Up To >10, Add	*1,307.15*	
		For >10 To 25, Add	*749.59*	
		For >25 To 50, Add	*551.66*	
		For >50 To 100, Add	*275.83*	
		For >500 To 1,000, Deduct	*-109.11*	
		For >1,000 To 2,000, Deduct	*-164.87*	
		For >2,000 To 5,000, Deduct	*-268.59*	
		For >5,000, Deduct	*-446.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0239	LF	33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,408.38	
		For Vinylester Resin, Add	*1,610.07*	
		For Epoxy Resin, Add	*189.76*	
		For Up To >10, Add	*1,474.89*	
		For >10 To 25, Add	*845.73*	
		For >25 To 50, Add	*622.44*	
		For >50 To 100, Add	*311.22*	
		For >500 To 1,000, Deduct	*-123.13*	
		For >1,000 To 2,000, Deduct	*-186.04*	
		For >2,000 To 5,000, Deduct	*-303.08*	
		For >5,000, Deduct	*-503.33*	
33 01 30 72-0240	LF	33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,682.54	
		For Vinylester Resin, Add	*1,793.39*	
		For Epoxy Resin, Add	*211.36*	
		For Up To >10, Add	*1,642.67*	
		For >10 To 25, Add	*941.90*	
		For >25 To 50, Add	*693.24*	
		For >50 To 100, Add	*346.62*	
		For >500 To 1,000, Deduct	*-137.14*	
		For >1,000 To 2,000, Deduct	*-207.22*	
		For >2,000 To 5,000, Deduct	*-337.58*	
		For >5,000, Deduct	*-560.62*	
33 01 30 72-0241	LF	33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,963.44	
		For Vinylester Resin, Add	*1,976.69*	
		For Epoxy Resin, Add	*232.97*	
		For Up To >10, Add	*1,830.72*	
		For >10 To 25, Add	*1,054.96*	
		For >25 To 50, Add	*774.17*	
		For >50 To 100, Add	*387.08*	
		For >500 To 1,000, Deduct	*-151.66*	
		For >1,000 To 2,000, Deduct	*-229.24*	
		For >2,000 To 5,000, Deduct	*-373.76*	
		For >5,000, Deduct	*-620.61*	
33 01 30 72-0242	LF	33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,238.69	
		For Vinylester Resin, Add	*2,160.00*	
		For Epoxy Resin, Add	*254.57*	
		For Up To >10, Add	*2,001.80*	
		For >10 To 25, Add	*1,153.88*	
		For >25 To 50, Add	*846.61*	
		For >50 To 100, Add	*423.31*	
		For >500 To 1,000, Deduct	*-165.76*	
		For >1,000 To 2,000, Deduct	*-250.55*	
		For >2,000 To 5,000, Deduct	*-408.53*	
		For >5,000, Deduct	*-678.33*	
33 01 30 72-0243	LF	33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,512.96	
		For Vinylester Resin, Add	*2,343.30*	
		For Epoxy Resin, Add	*276.17*	
		For Up To >10, Add	*2,169.96*	
		For >10 To 25, Add	*1,250.37*	
		For >25 To 50, Add	*917.60*	
		For >50 To 100, Add	*458.80*	
		For >500 To 1,000, Deduct	*-179.78*	
		For >1,000 To 2,000, Deduct	*-271.74*	
		For >2,000 To 5,000, Deduct	*-443.06*	
		For >5,000, Deduct	*-735.67*	
33 01 30 72-0244	LF	33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,787.80	
		For Vinylester Resin, Add	*2,526.61*	
		For Epoxy Resin, Add	*297.78*	
		For Up To >10, Add	*2,339.80*	
		For >10 To 25, Add	*1,348.26*	
		For >25 To 50, Add	*989.43*	
		For >50 To 100, Add	*494.71*	
		For >500 To 1,000, Deduct	*-193.85*	
		For >1,000 To 2,000, Deduct	*-293.00*	
		For >2,000 To 5,000, Deduct	*-477.72*	
		For >5,000, Deduct	*-793.23*	
33 01 30 72-0245	LF	33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,062.64	
		For Vinylester Resin, Add	*2,709.92*	
		For Epoxy Resin, Add	*319.38*	
		For Up To >10, Add	*2,509.65*	
		For >10 To 25, Add	*1,446.15*	
		For >25 To 50, Add	*1,061.26*	
		For >50 To 100, Add	*530.63*	
		For >500 To 1,000, Deduct	*-207.92*	
		For >1,000 To 2,000, Deduct	*-314.26*	
		For >2,000 To 5,000, Deduct	*-512.39*	
		For >5,000, Deduct	*-850.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0246	LF	33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,337.47	
		For Vinylester Resin, Add	*2,893.23*	
		For Epoxy Resin, Add	*340.99*	
		For Up To >10, Add	*2,679.46*	
		For >10 To 25, Add	*1,544.02*	
		For >25 To 50, Add	*1,133.07*	
		For >50 To 100, Add	*566.54*	
		For >500 To 1,000, Deduct	*-221.98*	
		For >1,000 To 2,000, Deduct	*-335.52*	
		For >2,000 To 5,000, Deduct	*-547.05*	
		For >5,000, Deduct	*-908.35*	

33 01 30 72-0247 34.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0248	LF	34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,224.07	
		For Vinylester Resin, Add	*818.99*	
		For Epoxy Resin, Add	*96.52*	
		For Up To >10, Add	*747.24*	
		For >10 To 25, Add	*427.70*	
		For >25 To 50, Add	*315.12*	
		For >50 To 100, Add	*157.56*	
		For >500 To 1,000, Deduct	*-62.56*	
		For >1,000 To 2,000, Deduct	*-94.51*	
		For >2,000 To 5,000, Deduct	*-153.92*	
		For >5,000, Deduct	*-255.63*	
33 01 30 72-0249	LF	34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,367.29	
		For Vinylester Resin, Add	*914.81*	
		For Epoxy Resin, Add	*107.82*	
		For Up To >10, Add	*834.70*	
		For >10 To 25, Add	*477.77*	
		For >25 To 50, Add	*352.00*	
		For >50 To 100, Add	*176.00*	
		For >500 To 1,000, Deduct	*-69.88*	
		For >1,000 To 2,000, Deduct	*-105.57*	
		For >2,000 To 5,000, Deduct	*-171.93*	
		For >5,000, Deduct	*-285.54*	
33 01 30 72-0250	LF	34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,653.76	
		For Vinylester Resin, Add	*1,106.46*	
		For Epoxy Resin, Add	*130.40*	
		For Up To >10, Add	*1,009.66*	
		For >10 To 25, Add	*577.94*	
		For >25 To 50, Add	*425.80*	
		For >50 To 100, Add	*212.90*	
		For >500 To 1,000, Deduct	*-84.52*	
		For >1,000 To 2,000, Deduct	*-127.69*	
		For >2,000 To 5,000, Deduct	*-207.96*	
		For >5,000, Deduct	*-345.37*	
33 01 30 72-0251	LF	34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,940.08	
		For Vinylester Resin, Add	*1,298.09*	
		For Epoxy Resin, Add	*152.99*	
		For Up To >10, Add	*1,184.19*	
		For >10 To 25, Add	*677.76*	
		For >25 To 50, Add	*499.37*	
		For >50 To 100, Add	*249.69*	
		For >500 To 1,000, Deduct	*-99.15*	
		For >1,000 To 2,000, Deduct	*-149.79*	
		For >2,000 To 5,000, Deduct	*-243.95*	
		For >5,000, Deduct	*-405.15*	
33 01 30 72-0252	LF	34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,226.54	
		For Vinylester Resin, Add	*1,489.73*	
		For Epoxy Resin, Add	*175.58*	
		For Up To >10, Add	*1,359.15*	
		For >10 To 25, Add	*777.92*	
		For >25 To 50, Add	*573.16*	
		For >50 To 100, Add	*286.58*	
		For >500 To 1,000, Deduct	*-113.79*	
		For >1,000 To 2,000, Deduct	*-171.91*	
		For >2,000 To 5,000, Deduct	*-279.97*	
		For >5,000, Deduct	*-464.98*	
33 01 30 72-0253	LF	34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,512.87	
		For Vinylester Resin, Add	*1,681.37*	
		For Epoxy Resin, Add	*198.16*	
		For Up To >10, Add	*1,533.71*	
		For >10 To 25, Add	*877.77*	
		For >25 To 50, Add	*646.76*	
		For >50 To 100, Add	*323.38*	
		For >500 To 1,000, Deduct	*-128.42*	
		For >1,000 To 2,000, Deduct	*-194.01*	
		For >2,000 To 5,000, Deduct	*-315.96*	
		For >5,000, Deduct	*-524.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0254	LF	34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,799.32	
		For Vinylester Resin, Add	*1,873.01*	
		For Epoxy Resin, Add	*220.75*	
		For Up To >10, Add	*1,708.64*	
		For >10 To 25, Add	*977.91*	
		For >25 To 50, Add	*720.53*	
		For >50 To 100, Add	*360.27*	
		For >500 To 1,000, Deduct	*-143.06*	
		For >1,000 To 2,000, Deduct	*-216.13*	
		For >2,000 To 5,000, Deduct	*-351.99*	
		For >5,000, Deduct	*-584.58*	
33 01 30 72-0255	LF	34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,092.54	
		For Vinylester Resin, Add	*2,064.65*	
		For Epoxy Resin, Add	*243.33*	
		For Up To >10, Add	*1,903.87*	
		For >10 To 25, Add	*1,094.98*	
		For >25 To 50, Add	*804.46*	
		For >50 To 100, Add	*402.23*	
		For >500 To 1,000, Deduct	*-158.20*	
		For >1,000 To 2,000, Deduct	*-239.09*	
		For >2,000 To 5,000, Deduct	*-389.70*	
		For >5,000, Deduct	*-647.12*	
33 01 30 72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,379.83	
		For Vinylester Resin, Add	*2,256.29*	
		For Epoxy Resin, Add	*265.92*	
		For Up To >10, Add	*2,081.32*	
		For >10 To 25, Add	*1,197.22*	
		For >25 To 50, Add	*879.49*	
		For >50 To 100, Add	*439.75*	
		For >500 To 1,000, Deduct	*-172.91*	
		For >1,000 To 2,000, Deduct	*-261.32*	
		For >2,000 To 5,000, Deduct	*-425.93*	
		For >5,000, Deduct	*-707.28*	
33 01 30 72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,664.36	
		For Vinylester Resin, Add	*2,447.93*	
		For Epoxy Resin, Add	*288.51*	
		For Up To >10, Add	*2,250.48*	
		For >10 To 25, Add	*1,292.56*	
		For >25 To 50, Add	*950.39*	
		For >50 To 100, Add	*475.19*	
		For >500 To 1,000, Deduct	*-187.40*	
		For >1,000 To 2,000, Deduct	*-283.19*	
		For >2,000 To 5,000, Deduct	*-461.47*	
		For >5,000, Deduct	*-766.34*	
33 01 30 72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,953.72	
		For Vinylester Resin, Add	*2,639.57*	
		For Epoxy Resin, Add	*311.09*	
		For Up To >10, Add	*2,434.14*	
		For >10 To 25, Add	*1,399.98*	
		For >25 To 50, Add	*1,028.53*	
		For >50 To 100, Add	*514.26*	
		For >500 To 1,000, Deduct	*-202.26*	
		For >1,000 To 2,000, Deduct	*-305.67*	
		For >2,000 To 5,000, Deduct	*-498.22*	
		For >5,000, Deduct	*-827.33*	
33 01 30 72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,240.73	
		For Vinylester Resin, Add	*2,831.21*	
		For Epoxy Resin, Add	*333.68*	
		For Up To >10, Add	*2,610.74*	
		For >10 To 25, Add	*1,501.52*	
		For >25 To 50, Add	*1,103.14*	
		For >50 To 100, Add	*551.57*	
		For >500 To 1,000, Deduct	*-216.94*	
		For >1,000 To 2,000, Deduct	*-327.86*	
		For >2,000 To 5,000, Deduct	*-534.39*	
		For >5,000, Deduct	*-887.38*	
33 01 30 72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,527.75	
		For Vinylester Resin, Add	*3,022.85*	
		For Epoxy Resin, Add	*356.26*	
		For Up To >10, Add	*2,787.38*	
		For >10 To 25, Add	*1,603.09*	
		For >25 To 50, Add	*1,177.77*	
		For >50 To 100, Add	*588.89*	
		For >500 To 1,000, Deduct	*-231.62*	
		For >1,000 To 2,000, Deduct	*-350.05*	
		For >2,000 To 5,000, Deduct	*-570.55*	
		For >5,000, Deduct	*-947.43*	

33 01 30 72-0261 36mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,273.37	
		For Vinylester Resin, Add	*852.64*	
		For Epoxy Resin, Add	*100.49*	
		For Up To >10, Add	*774.99*	
		For >10 To 25, Add	*442.81*	
		For >25 To 50, Add	*326.59*	
		For >50 To 100, Add	*163.30*	
		For >500 To 1,000, Deduct	*-65.05*	
		For >1,000 To 2,000, Deduct	*-98.27*	
		For >2,000 To 5,000, Deduct	*-160.00*	
		For >5,000, Deduct	*-265.74*	
33 01 30 72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,422.68	
		For Vinylester Resin, Add	*952.62*	
		For Epoxy Resin, Add	*112.27*	
		For Up To >10, Add	*865.84*	
		For >10 To 25, Add	*494.72*	
		For >25 To 50, Add	*364.88*	
		For >50 To 100, Add	*182.44*	
		For >500 To 1,000, Deduct	*-72.68*	
		For >1,000 To 2,000, Deduct	*-109.79*	
		For >2,000 To 5,000, Deduct	*-178.76*	
		For >5,000, Deduct	*-296.90*	
33 01 30 72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,721.32	
		For Vinylester Resin, Add	*1,152.59*	
		For Epoxy Resin, Add	*135.84*	
		For Up To >10, Add	*1,047.56*	
		For >10 To 25, Add	*598.54*	
		For >25 To 50, Add	*441.45*	
		For >50 To 100, Add	*220.73*	
		For >500 To 1,000, Deduct	*-87.94*	
		For >1,000 To 2,000, Deduct	*-132.84*	
		For >2,000 To 5,000, Deduct	*-216.28*	
		For >5,000, Deduct	*-359.22*	
33 01 30 72-0265	LF	36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,019.97	
		For Vinylester Resin, Add	*1,352.57*	
		For Epoxy Resin, Add	*159.41*	
		For Up To >10, Add	*1,229.31*	
		For >10 To 25, Add	*702.39*	
		For >25 To 50, Add	*518.04*	
		For >50 To 100, Add	*259.02*	
		For >500 To 1,000, Deduct	*-103.19*	
		For >1,000 To 2,000, Deduct	*-155.88*	
		For >2,000 To 5,000, Deduct	*-253.80*	
		For >5,000, Deduct	*-421.54*	
33 01 30 72-0266	LF	36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,318.47	
		For Vinylester Resin, Add	*1,552.54*	
		For Epoxy Resin, Add	*182.98*	
		For Up To >10, Add	*1,410.64*	
		For >10 To 25, Add	*805.88*	
		For >25 To 50, Add	*594.42*	
		For >50 To 100, Add	*297.21*	
		For >500 To 1,000, Deduct	*-118.44*	
		For >1,000 To 2,000, Deduct	*-178.91*	
		For >2,000 To 5,000, Deduct	*-291.29*	
		For >5,000, Deduct	*-483.81*	
33 01 30 72-0267	LF	36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,617.10	
		For Vinylester Resin, Add	*1,752.51*	
		For Epoxy Resin, Add	*206.55*	
		For Up To >10, Add	*1,592.35*	
		For >10 To 25, Add	*909.70*	
		For >25 To 50, Add	*671.00*	
		For >50 To 100, Add	*335.50*	
		For >500 To 1,000, Deduct	*-133.69*	
		For >1,000 To 2,000, Deduct	*-201.96*	
		For >2,000 To 5,000, Deduct	*-328.81*	
		For >5,000, Deduct	*-546.12*	
33 01 30 72-0268	LF	36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,915.76	
		For Vinylester Resin, Add	*1,952.48*	
		For Epoxy Resin, Add	*230.11*	
		For Up To >10, Add	*1,774.13*	
		For >10 To 25, Add	*1,013.57*	
		For >25 To 50, Add	*747.60*	
		For >50 To 100, Add	*373.80*	
		For >500 To 1,000, Deduct	*-148.95*	
		For >1,000 To 2,000, Deduct	*-225.01*	
		For >2,000 To 5,000, Deduct	*-366.34*	
		For >5,000, Deduct	*-608.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0269	LF	36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,221.43	
		For Vinylester Resin, Add	*2,152.45*	
		For Epoxy Resin, Add	*253.68*	
		For Up To >10, Add	*1,976.97*	
		For >10 To 25, Add	*1,134.98*	
		For >25 To 50, Add	*834.74*	
		For >50 To 100, Add	*417.37*	
		For >500 To 1,000, Deduct	*-164.73*	
		For >1,000 To 2,000, Deduct	*-248.93*	
		For >2,000 To 5,000, Deduct	*-405.62*	
		For >5,000, Deduct	*-673.59*	
33 01 30 72-0270	LF	36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,520.75	
		For Vinylester Resin, Add	*2,352.42*	
		For Epoxy Resin, Add	*277.25*	
		For Up To >10, Add	*2,160.75*	
		For >10 To 25, Add	*1,240.53*	
		For >25 To 50, Add	*912.35*	
		For >50 To 100, Add	*456.17*	
		For >500 To 1,000, Deduct	*-180.04*	
		For >1,000 To 2,000, Deduct	*-272.06*	
		For >2,000 To 5,000, Deduct	*-443.31*	
		For >5,000, Deduct	*-736.18*	
33 01 30 72-0271	LF	36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,815.40	
		For Vinylester Resin, Add	*2,552.40*	
		For Epoxy Resin, Add	*300.82*	
		For Up To >10, Add	*2,330.50*	
		For >10 To 25, Add	*1,334.37*	
		For >25 To 50, Add	*982.94*	
		For >50 To 100, Add	*491.47*	
		For >500 To 1,000, Deduct	*-195.00*	
		For >1,000 To 2,000, Deduct	*-294.61*	
		For >2,000 To 5,000, Deduct	*-479.83*	
		For >5,000, Deduct	*-796.90*	
33 01 30 72-0272	LF	36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,119.28	
		For Vinylester Resin, Add	*2,752.37*	
		For Epoxy Resin, Add	*324.39*	
		For Up To >10, Add	*2,527.97*	
		For >10 To 25, Add	*1,451.31*	
		For >25 To 50, Add	*1,067.39*	
		For >50 To 100, Add	*533.69*	
		For >500 To 1,000, Deduct	*-210.65*	
		For >1,000 To 2,000, Deduct	*-318.31*	
		For >2,000 To 5,000, Deduct	*-518.67*	
		For >5,000, Deduct	*-861.32*	
33 01 30 72-0273	LF	36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,418.60	
		For Vinylester Resin, Add	*2,952.33*	
		For Epoxy Resin, Add	*347.95*	
		For Up To >10, Add	*2,711.75*	
		For >10 To 25, Add	*1,556.86*	
		For >25 To 50, Add	*1,144.99*	
		For >50 To 100, Add	*572.50*	
		For >500 To 1,000, Deduct	*-225.95*	
		For >1,000 To 2,000, Deduct	*-341.44*	
		For >2,000 To 5,000, Deduct	*-556.36*	
		For >5,000, Deduct	*-923.92*	
33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,717.94	
		For Vinylester Resin, Add	*3,152.31*	
		For Epoxy Resin, Add	*371.52*	
		For Up To >10, Add	*2,895.57*	
		For >10 To 25, Add	*1,662.43*	
		For >25 To 50, Add	*1,222.62*	
		For >50 To 100, Add	*611.31*	
		For >500 To 1,000, Deduct	*-241.26*	
		For >1,000 To 2,000, Deduct	*-364.58*	
		For >2,000 To 5,000, Deduct	*-594.06*	
		For >5,000, Deduct	*-986.52*	
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,017.13	
		For Vinylester Resin, Add	*3,352.28*	
		For Epoxy Resin, Add	*395.09*	
		For Up To >10, Add	*3,078.97*	
		For >10 To 25, Add	*1,767.64*	
		For >25 To 50, Add	*1,300.03*	
		For >50 To 100, Add	*650.02*	
		For >500 To 1,000, Deduct	*-256.56*	
		For >1,000 To 2,000, Deduct	*-387.69*	
		For >2,000 To 5,000, Deduct	*-631.72*	
		For >5,000, Deduct	*-1,049.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,316.45	
		For Vinylester Resin, Add	*3,552.25*	
		For Epoxy Resin, Add	*418.66*	
		For Up To >10, Add	*3,262.75*	
		For >10 To 25, Add	*1,873.19*	
		For >25 To 50, Add	*1,377.64*	
		For >50 To 100, Add	*688.82*	
		For >500 To 1,000, Deduct	*-271.87*	
		For >1,000 To 2,000, Deduct	*-410.82*	
		For >2,000 To 5,000, Deduct	*-669.41*	
		For >5,000, Deduct	*-1,111.65*	

33 01 30 72-0277 37.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,477.70	
		For Vinylester Resin, Add	*990.26*	
		For Epoxy Resin, Add	*116.71*	
		For Up To >10, Add	*896.45*	
		For >10 To 25, Add	*511.27*	
		For >25 To 50, Add	*377.49*	
		For >50 To 100, Add	*188.75*	
		For >500 To 1,000, Deduct	*-75.46*	
		For >1,000 To 2,000, Deduct	*-113.98*	
		For >2,000 To 5,000, Deduct	*-185.52*	
		For >5,000, Deduct	*-308.15*	
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,788.52	
		For Vinylester Resin, Add	*1,198.57*	
		For Epoxy Resin, Add	*141.26*	
		For Up To >10, Add	*1,084.96*	
		For >10 To 25, Add	*618.76*	
		For >25 To 50, Add	*456.87*	
		For >50 To 100, Add	*228.43*	
		For >500 To 1,000, Deduct	*-91.33*	
		For >1,000 To 2,000, Deduct	*-137.95*	
		For >2,000 To 5,000, Deduct	*-224.54*	
		For >5,000, Deduct	*-372.96*	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,099.35	
		For Vinylester Resin, Add	*1,406.87*	
		For Epoxy Resin, Add	*165.81*	
		For Up To >10, Add	*1,273.50*	
		For >10 To 25, Add	*726.28*	
		For >25 To 50, Add	*536.26*	
		For >50 To 100, Add	*268.13*	
		For >500 To 1,000, Deduct	*-107.21*	
		For >1,000 To 2,000, Deduct	*-161.93*	
		For >2,000 To 5,000, Deduct	*-263.56*	
		For >5,000, Deduct	*-437.78*	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,410.16	
		For Vinylester Resin, Add	*1,615.17*	
		For Epoxy Resin, Add	*190.36*	
		For Up To >10, Add	*1,462.01*	
		For >10 To 25, Add	*833.77*	
		For >25 To 50, Add	*615.63*	
		For >50 To 100, Add	*307.82*	
		For >500 To 1,000, Deduct	*-123.08*	
		For >1,000 To 2,000, Deduct	*-185.90*	
		For >2,000 To 5,000, Deduct	*-302.58*	
		For >5,000, Deduct	*-502.59*	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,720.98	
		For Vinylester Resin, Add	*1,823.48*	
		For Epoxy Resin, Add	*214.91*	
		For Up To >10, Add	*1,650.52*	
		For >10 To 25, Add	*941.27*	
		For >25 To 50, Add	*695.01*	
		For >50 To 100, Add	*347.50*	
		For >500 To 1,000, Deduct	*-138.95*	
		For >1,000 To 2,000, Deduct	*-209.87*	
		For >2,000 To 5,000, Deduct	*-341.60*	
		For >5,000, Deduct	*-567.40*	
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,031.80	
		For Vinylester Resin, Add	*2,031.79*	
		For Epoxy Resin, Add	*239.46*	
		For Up To >10, Add	*1,839.03*	
		For >10 To 25, Add	*1,048.76*	
		For >25 To 50, Add	*774.39*	
		For >50 To 100, Add	*387.19*	
		For >500 To 1,000, Deduct	*-154.82*	
		For >1,000 To 2,000, Deduct	*-233.85*	
		For >2,000 To 5,000, Deduct	*-380.62*	
		For >5,000, Deduct	*-632.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,349.79	
		For Vinylester Resin, Add	*2,240.08*	
		For Epoxy Resin, Add	*264.01*	
		For Up To >10, Add	*2,049.07*	
		For >10 To 25, Add	*1,174.21*	
		For >25 To 50, Add	*864.53*	
		For >50 To 100, Add	*432.26*	
		For >500 To 1,000, Deduct	*-171.23*	
		For >1,000 To 2,000, Deduct	*-258.72*	
		For >2,000 To 5,000, Deduct	*-421.43*	
		For >5,000, Deduct	*-699.89*	
33 01 30 72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,661.29	
		For Vinylester Resin, Add	*2,448.38*	
		For Epoxy Resin, Add	*288.56*	
		For Up To >10, Add	*2,239.65*	
		For >10 To 25, Add	*1,283.42*	
		For >25 To 50, Add	*944.94*	
		For >50 To 100, Add	*472.47*	
		For >500 To 1,000, Deduct	*-187.15*	
		For >1,000 To 2,000, Deduct	*-282.78*	
		For >2,000 To 5,000, Deduct	*-460.62*	
		For >5,000, Deduct	*-764.98*	
33 01 30 72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,970.46	
		For Vinylester Resin, Add	*2,656.69*	
		For Epoxy Resin, Add	*313.11*	
		For Up To >10, Add	*2,423.21*	
		For >10 To 25, Add	*1,386.79*	
		For >25 To 50, Add	*1,021.84*	
		For >50 To 100, Add	*510.92*	
		For >500 To 1,000, Deduct	*-202.90*	
		For >1,000 To 2,000, Deduct	*-306.54*	
		For >2,000 To 5,000, Deduct	*-499.23*	
		For >5,000, Deduct	*-829.13*	
33 01 30 72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,284.32	
		For Vinylester Resin, Add	*2,865.00*	
		For Epoxy Resin, Add	*337.66*	
		For Up To >10, Add	*2,620.84*	
		For >10 To 25, Add	*1,501.89*	
		For >25 To 50, Add	*1,105.78*	
		For >50 To 100, Add	*552.89*	
		For >500 To 1,000, Deduct	*-219.00*	
		For >1,000 To 2,000, Deduct	*-330.90*	
		For >2,000 To 5,000, Deduct	*-539.01*	
		For >5,000, Deduct	*-895.16*	
33 01 30 72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,595.83	
		For Vinylester Resin, Add	*3,073.30*	
		For Epoxy Resin, Add	*362.21*	
		For Up To >10, Add	*2,811.42*	
		For >10 To 25, Add	*1,611.11*	
		For >25 To 50, Add	*1,186.19*	
		For >50 To 100, Add	*593.09*	
		For >500 To 1,000, Deduct	*-234.93*	
		For >1,000 To 2,000, Deduct	*-354.96*	
		For >2,000 To 5,000, Deduct	*-578.20*	
		For >5,000, Deduct	*-960.25*	
33 01 30 72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,907.19	
		For Vinylester Resin, Add	*3,281.60*	
		For Epoxy Resin, Add	*386.76*	
		For Up To >10, Add	*3,001.57*	
		For >10 To 25, Add	*1,719.98*	
		For >25 To 50, Add	*1,266.39*	
		For >50 To 100, Add	*633.19*	
		For >500 To 1,000, Deduct	*-250.84*	
		For >1,000 To 2,000, Deduct	*-379.00*	
		For >2,000 To 5,000, Deduct	*-617.36*	
		For >5,000, Deduct	*-1,025.28*	
33 01 30 72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,218.71	
		For Vinylester Resin, Add	*3,489.91*	
		For Epoxy Resin, Add	*411.31*	
		For Up To >10, Add	*3,192.18*	
		For >10 To 25, Add	*1,829.22*	
		For >25 To 50, Add	*1,346.81*	
		For >50 To 100, Add	*673.41*	
		For >500 To 1,000, Deduct	*-266.76*	
		For >1,000 To 2,000, Deduct	*-403.06*	
		For >2,000 To 5,000, Deduct	*-656.55*	
		For >5,000, Deduct	*-1,090.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,530.22	
		For Vinylester Resin, Add	*3,698.21*	
		For Epoxy Resin, Add	*435.86*	
		For Up To >10, Add	*3,382.76*	
		For >10 To 25, Add	*1,938.44*	
		For >25 To 50, Add	*1,427.22*	
		For >50 To 100, Add	*713.61*	
		For >500 To 1,000, Deduct	*-282.69*	
		For >1,000 To 2,000, Deduct	*-427.12*	
		For >2,000 To 5,000, Deduct	*-695.74*	
		For >5,000, Deduct	*-1,155.46*	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	1,855.47	
		For Vinylester Resin, Add	*1,244.38*	
		For Epoxy Resin, Add	*146.66*	
		For Up To >10, Add	*1,122.21*	
		For >10 To 25, Add	*638.90*	
		For >25 To 50, Add	*472.22*	
		For >50 To 100, Add	*236.11*	
		For >500 To 1,000, Deduct	*-94.72*	
		For >1,000 To 2,000, Deduct	*-143.05*	
		For >2,000 To 5,000, Deduct	*-232.77*	
		For >5,000, Deduct	*-386.65*	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,178.48	
		For Vinylester Resin, Add	*1,461.01*	
		For Epoxy Resin, Add	*172.19*	
		For Up To >10, Add	*1,317.54*	
		For >10 To 25, Add	*750.09*	
		For >25 To 50, Add	*554.41*	
		For >50 To 100, Add	*277.21*	
		For >500 To 1,000, Deduct	*-111.21*	
		For >1,000 To 2,000, Deduct	*-167.95*	
		For >2,000 To 5,000, Deduct	*-273.29*	
		For >5,000, Deduct	*-453.96*	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,501.48	
		For Vinylester Resin, Add	*1,677.65*	
		For Epoxy Resin, Add	*197.72*	
		For Up To >10, Add	*1,512.84*	
		For >10 To 25, Add	*861.26*	
		For >25 To 50, Add	*636.59*	
		For >50 To 100, Add	*318.29*	
		For >500 To 1,000, Deduct	*-127.70*	
		For >1,000 To 2,000, Deduct	*-192.85*	
		For >2,000 To 5,000, Deduct	*-313.81*	
		For >5,000, Deduct	*-521.26*	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,824.48	
		For Vinylester Resin, Add	*1,894.28*	
		For Epoxy Resin, Add	*223.25*	
		For Up To >10, Add	*1,708.14*	
		For >10 To 25, Add	*972.43*	
		For >25 To 50, Add	*718.76*	
		For >50 To 100, Add	*359.38*	
		For >500 To 1,000, Deduct	*-144.18*	
		For >1,000 To 2,000, Deduct	*-217.75*	
		For >2,000 To 5,000, Deduct	*-354.32*	
		For >5,000, Deduct	*-588.57*	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,147.61	
		For Vinylester Resin, Add	*2,110.92*	
		For Epoxy Resin, Add	*248.79*	
		For Up To >10, Add	*1,903.83*	
		For >10 To 25, Add	*1,083.93*	
		For >25 To 50, Add	*801.14*	
		For >50 To 100, Add	*400.57*	
		For >500 To 1,000, Deduct	*-160.68*	
		For >1,000 To 2,000, Deduct	*-242.67*	
		For >2,000 To 5,000, Deduct	*-394.87*	
		For >5,000, Deduct	*-655.92*	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,477.78	
		For Vinylester Resin, Add	*2,327.56*	
		For Epoxy Resin, Add	*274.32*	
		For Up To >10, Add	*2,120.64*	
		For >10 To 25, Add	*1,213.02*	
		For >25 To 50, Add	*894.07*	
		For >50 To 100, Add	*447.03*	
		For >500 To 1,000, Deduct	*-177.71*	
		For >1,000 To 2,000, Deduct	*-268.47*	
		For >2,000 To 5,000, Deduct	*-437.18*	
		For >5,000, Deduct	*-726.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,801.47	
		For Vinylester Resin, Add	*2,544.19*	
		For Epoxy Resin, Add	*299.85*	
		For Up To >10, Add	*2,318.01*	
		For >10 To 25, Add	*1,325.92*	
		For >25 To 50, Add	*977.28*	
		For >50 To 100, Add	*488.64*	
		For >500 To 1,000, Deduct	*-194.25*	
		For >1,000 To 2,000, Deduct	*-293.46*	
		For >2,000 To 5,000, Deduct	*-477.87*	
		For >5,000, Deduct	*-793.68*	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,125.16	
		For Vinylester Resin, Add	*2,760.83*	
		For Epoxy Resin, Add	*325.38*	
		For Up To >10, Add	*2,515.38*	
		For >10 To 25, Add	*1,438.81*	
		For >25 To 50, Add	*1,060.49*	
		For >50 To 100, Add	*530.24*	
		For >500 To 1,000, Deduct	*-210.79*	
		For >1,000 To 2,000, Deduct	*-318.44*	
		For >2,000 To 5,000, Deduct	*-518.56*	
		For >5,000, Deduct	*-861.26*	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,448.99	
		For Vinylester Resin, Add	*2,977.46*	
		For Epoxy Resin, Add	*350.92*	
		For Up To >10, Add	*2,713.17*	
		For >10 To 25, Add	*1,552.06*	
		For >25 To 50, Add	*1,143.91*	
		For >50 To 100, Add	*571.95*	
		For >500 To 1,000, Deduct	*-227.34*	
		For >1,000 To 2,000, Deduct	*-343.45*	
		For >2,000 To 5,000, Deduct	*-559.29*	
		For >5,000, Deduct	*-928.89*	
33 01 30 72-0302	LF	39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,772.67	
		For Vinylester Resin, Add	*3,194.10*	
		For Epoxy Resin, Add	*376.45*	
		For Up To >10, Add	*2,910.51*	
		For >10 To 25, Add	*1,664.93*	
		For >25 To 50, Add	*1,227.11*	
		For >50 To 100, Add	*613.55*	
		For >500 To 1,000, Deduct	*-243.88*	
		For >1,000 To 2,000, Deduct	*-368.43*	
		For >2,000 To 5,000, Deduct	*-599.98*	
		For >5,000, Deduct	*-996.47*	
33 01 30 72-0303	LF	39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,096.36	
		For Vinylester Resin, Add	*3,410.74*	
		For Epoxy Resin, Add	*401.98*	
		For Up To >10, Add	*3,107.88*	
		For >10 To 25, Add	*1,777.82*	
		For >25 To 50, Add	*1,310.32*	
		For >50 To 100, Add	*655.16*	
		For >500 To 1,000, Deduct	*-260.42*	
		For >1,000 To 2,000, Deduct	*-393.42*	
		For >2,000 To 5,000, Deduct	*-640.67*	
		For >5,000, Deduct	*-1,064.05*	
33 01 30 72-0304	LF	39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,420.05	
		For Vinylester Resin, Add	*3,627.37*	
		For Epoxy Resin, Add	*427.51*	
		For Up To >10, Add	*3,305.25*	
		For >10 To 25, Add	*1,890.72*	
		For >25 To 50, Add	*1,393.53*	
		For >50 To 100, Add	*696.76*	
		For >500 To 1,000, Deduct	*-276.95*	
		For >1,000 To 2,000, Deduct	*-418.41*	
		For >2,000 To 5,000, Deduct	*-681.36*	
		For >5,000, Deduct	*-1,131.63*	
33 01 30 72-0305	LF	39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,743.74	
		For Vinylester Resin, Add	*3,844.01*	
		For Epoxy Resin, Add	*453.04*	
		For Up To >10, Add	*3,502.62*	
		For >10 To 25, Add	*2,003.61*	
		For >25 To 50, Add	*1,476.74*	
		For >50 To 100, Add	*738.37*	
		For >500 To 1,000, Deduct	*-293.49*	
		For >1,000 To 2,000, Deduct	*-443.40*	
		For >2,000 To 5,000, Deduct	*-722.05*	
		For >5,000, Deduct	*-1,199.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0306	LF	39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,067.43	
		For Vinylester Resin, Add	*4,060.64*	
		For Epoxy Resin, Add	*478.58*	
		For Up To >10, Add	*3,699.99*	
		For >10 To 25, Add	*2,116.51*	
		For >25 To 50, Add	*1,559.95*	
		For >50 To 100, Add	*779.97*	
		For >500 To 1,000, Deduct	*-310.03*	
		For >1,000 To 2,000, Deduct	*-468.38*	
		For >2,000 To 5,000, Deduct	*-762.74*	
		For >5,000, Deduct	*-1,266.79*	
33 01 30 72-0307	LF	39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,391.11	
		For Vinylester Resin, Add	*4,277.28*	
		For Epoxy Resin, Add	*504.11*	
		For Up To >10, Add	*3,897.33*	
		For >10 To 25, Add	*2,229.38*	
		For >25 To 50, Add	*1,643.15*	
		For >50 To 100, Add	*821.57*	
		For >500 To 1,000, Deduct	*-326.57*	
		For >1,000 To 2,000, Deduct	*-493.37*	
		For >2,000 To 5,000, Deduct	*-803.43*	
		For >5,000, Deduct	*-1,334.36*	

33 01 30 72-0308 40.5mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0309	LF	40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,257.26	
		For Vinylester Resin, Add	*1,515.00*	
		For Epoxy Resin, Add	*178.55*	
		For Up To >10, Add	*1,361.08*	
		For >10 To 25, Add	*773.52*	
		For >25 To 50, Add	*572.33*	
		For >50 To 100, Add	*286.16*	
		For >500 To 1,000, Deduct	*-115.19*	
		For >1,000 To 2,000, Deduct	*-173.94*	
		For >2,000 To 5,000, Deduct	*-282.96*	
		For >5,000, Deduct	*-470.05*	
33 01 30 72-0310	LF	40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,592.42	
		For Vinylester Resin, Add	*1,739.96*	
		For Epoxy Resin, Add	*205.07*	
		For Up To >10, Add	*1,563.14*	
		For >10 To 25, Add	*888.34*	
		For >25 To 50, Add	*657.29*	
		For >50 To 100, Add	*328.64*	
		For >500 To 1,000, Deduct	*-132.29*	
		For >1,000 To 2,000, Deduct	*-199.77*	
		For >2,000 To 5,000, Deduct	*-324.97*	
		For >5,000, Deduct	*-539.84*	
33 01 30 72-0311	LF	40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,927.60	
		For Vinylester Resin, Add	*1,964.93*	
		For Epoxy Resin, Add	*231.58*	
		For Up To >10, Add	*1,765.20*	
		For >10 To 25, Add	*1,003.16*	
		For >25 To 50, Add	*742.25*	
		For >50 To 100, Add	*371.12*	
		For >500 To 1,000, Deduct	*-149.39*	
		For >1,000 To 2,000, Deduct	*-225.60*	
		For >2,000 To 5,000, Deduct	*-366.98*	
		For >5,000, Deduct	*-609.63*	
33 01 30 72-0312	LF	40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,262.78	
		For Vinylester Resin, Add	*2,189.89*	
		For Epoxy Resin, Add	*258.09*	
		For Up To >10, Add	*1,967.29*	
		For >10 To 25, Add	*1,118.01*	
		For >25 To 50, Add	*827.22*	
		For >50 To 100, Add	*413.61*	
		For >500 To 1,000, Deduct	*-166.50*	
		For >1,000 To 2,000, Deduct	*-251.43*	
		For >2,000 To 5,000, Deduct	*-409.00*	
		For >5,000, Deduct	*-679.43*	
33 01 30 72-0313	LF	40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,605.41	
		For Vinylester Resin, Add	*2,414.87*	
		For Epoxy Resin, Add	*284.61*	
		For Up To >10, Add	*2,191.71*	
		For >10 To 25, Add	*1,251.45*	
		For >25 To 50, Add	*923.36*	
		For >50 To 100, Add	*461.68*	
		For >500 To 1,000, Deduct	*-184.16*	
		For >1,000 To 2,000, Deduct	*-278.19*	
		For >2,000 To 5,000, Deduct	*-452.88*	
		For >5,000, Deduct	*-752.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0314	LF	40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,941.28	
		For Vinylester Resin, Add	*2,639.83*	
		For Epoxy Resin, Add	*311.12*	
		For Up To >10, Add	*2,395.87*	
		For >10 To 25, Add	*1,368.02*	
		For >25 To 50, Add	*1,009.37*	
		For >50 To 100, Add	*504.69*	
		For >500 To 1,000, Deduct	*-201.32*	
		For >1,000 To 2,000, Deduct	*-304.10*	
		For >2,000 To 5,000, Deduct	*-495.07*	
		For >5,000, Deduct	*-822.27*	
33 01 30 72-0315	LF	40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,277.13	
		For Vinylester Resin, Add	*2,864.80*	
		For Epoxy Resin, Add	*337.64*	
		For Up To >10, Add	*2,599.97*	
		For >10 To 25, Add	*1,484.54*	
		For >25 To 50, Add	*1,095.35*	
		For >50 To 100, Add	*547.68*	
		For >500 To 1,000, Deduct	*-218.47*	
		For >1,000 To 2,000, Deduct	*-330.01*	
		For >2,000 To 5,000, Deduct	*-537.25*	
		For >5,000, Deduct	*-892.34*	
33 01 30 72-0316	LF	40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,613.00	
		For Vinylester Resin, Add	*3,089.77*	
		For Epoxy Resin, Add	*364.15*	
		For Up To >10, Add	*2,804.13*	
		For >10 To 25, Add	*1,601.11*	
		For >25 To 50, Add	*1,181.37*	
		For >50 To 100, Add	*590.68*	
		For >500 To 1,000, Deduct	*-235.63*	
		For >1,000 To 2,000, Deduct	*-355.93*	
		For >2,000 To 5,000, Deduct	*-579.44*	
		For >5,000, Deduct	*-962.41*	
33 01 30 72-0317	LF	40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,948.88	
		For Vinylester Resin, Add	*3,314.74*	
		For Epoxy Resin, Add	*390.67*	
		For Up To >10, Add	*3,008.29*	
		For >10 To 25, Add	*1,717.69*	
		For >25 To 50, Add	*1,267.38*	
		For >50 To 100, Add	*633.69*	
		For >500 To 1,000, Deduct	*-252.78*	
		For >1,000 To 2,000, Deduct	*-381.84*	
		For >2,000 To 5,000, Deduct	*-621.63*	
		For >5,000, Deduct	*-1,032.48*	
33 01 30 72-0318	LF	40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,284.74	
		For Vinylester Resin, Add	*3,539.70*	
		For Epoxy Resin, Add	*417.18*	
		For Up To >10, Add	*3,212.42*	
		For >10 To 25, Add	*1,834.23*	
		For >25 To 50, Add	*1,353.37*	
		For >50 To 100, Add	*676.69*	
		For >500 To 1,000, Deduct	*-269.94*	
		For >1,000 To 2,000, Deduct	*-407.76*	
		For >2,000 To 5,000, Deduct	*-663.81*	
		For >5,000, Deduct	*-1,102.55*	
33 01 30 72-0319	LF	40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,620.60	
		For Vinylester Resin, Add	*3,764.67*	
		For Epoxy Resin, Add	*443.69*	
		For Up To >10, Add	*3,416.55*	
		For >10 To 25, Add	*1,950.78*	
		For >25 To 50, Add	*1,439.37*	
		For >50 To 100, Add	*719.69*	
		For >500 To 1,000, Deduct	*-287.09*	
		For >1,000 To 2,000, Deduct	*-433.67*	
		For >2,000 To 5,000, Deduct	*-706.00*	
		For >5,000, Deduct	*-1,172.62*	
33 01 30 72-0320	LF	40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,956.46	
		For Vinylester Resin, Add	*3,989.64*	
		For Epoxy Resin, Add	*470.21*	
		For Up To >10, Add	*3,620.68*	
		For >10 To 25, Add	*2,067.32*	
		For >25 To 50, Add	*1,525.37*	
		For >50 To 100, Add	*762.68*	
		For >500 To 1,000, Deduct	*-304.25*	
		For >1,000 To 2,000, Deduct	*-459.58*	
		For >2,000 To 5,000, Deduct	*-748.18*	
		For >5,000, Deduct	*-1,242.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0321	LF	40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,292.34	
		For Vinylester Resin, Add	*4,214.61*	
		For Epoxy Resin, Add	*496.72*	
		For Up To >10, Add	*3,824.85*	
		For >10 To 25, Add	*2,183.89*	
		For >25 To 50, Add	*1,611.38*	
		For >50 To 100, Add	*805.69*	
		For >500 To 1,000, Deduct	*-321.40*	
		For >1,000 To 2,000, Deduct	*-485.50*	
		For >2,000 To 5,000, Deduct	*-790.37*	
		For >5,000, Deduct	*-1,312.76*	
33 01 30 72-0322	LF	40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,628.21	
		For Vinylester Resin, Add	*4,439.58*	
		For Epoxy Resin, Add	*523.24*	
		For Up To >10, Add	*4,029.01*	
		For >10 To 25, Add	*2,300.46*	
		For >25 To 50, Add	*1,697.39*	
		For >50 To 100, Add	*848.70*	
		For >500 To 1,000, Deduct	*-338.56*	
		For >1,000 To 2,000, Deduct	*-511.41*	
		For >2,000 To 5,000, Deduct	*-832.56*	
		For >5,000, Deduct	*-1,382.83*	

33 01 30 72-0323 42mm Thick Lining Cured In-Place Pipe *(33 01 30 72-0015)*

33 01 30 72-0324	LF	42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	2,682.99	
		For Vinylester Resin, Add	*1,802.10*	
		For Epoxy Resin, Add	*212.39*	
		For Up To >10, Add	*1,612.90*	
		For >10 To 25, Add	*915.01*	
		For >25 To 50, Add	*677.73*	
		For >50 To 100, Add	*338.86*	
		For >500 To 1,000, Deduct	*-136.86*	
		For >1,000 To 2,000, Deduct	*-206.65*	
		For >2,000 To 5,000, Deduct	*-336.07*	
		For >5,000, Deduct	*-558.31*	
33 01 30 72-0325	LF	42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,030.36	
		For Vinylester Resin, Add	*2,035.41*	
		For Epoxy Resin, Add	*239.89*	
		For Up To >10, Add	*1,821.76*	
		For >10 To 25, Add	*1,033.51*	
		For >25 To 50, Add	*765.49*	
		For >50 To 100, Add	*382.75*	
		For >500 To 1,000, Deduct	*-154.58*	
		For >1,000 To 2,000, Deduct	*-233.41*	
		For >2,000 To 5,000, Deduct	*-379.59*	
		For >5,000, Deduct	*-630.60*	
33 01 30 72-0326	LF	42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,377.72	
		For Vinylester Resin, Add	*2,268.71*	
		For Epoxy Resin, Add	*267.38*	
		For Up To >10, Add	*2,030.64*	
		For >10 To 25, Add	*1,152.03*	
		For >25 To 50, Add	*853.27*	
		For >50 To 100, Add	*426.63*	
		For >500 To 1,000, Deduct	*-172.30*	
		For >1,000 To 2,000, Deduct	*-260.16*	
		For >2,000 To 5,000, Deduct	*-423.10*	
		For >5,000, Deduct	*-702.89*	
33 01 30 72-0327	LF	42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	3,732.65	
		For Vinylester Resin, Add	*2,502.00*	
		For Epoxy Resin, Add	*294.88*	
		For Up To >10, Add	*2,262.23*	
		For >10 To 25, Add	*1,289.47*	
		For >25 To 50, Add	*952.40*	
		For >50 To 100, Add	*476.20*	
		For >500 To 1,000, Deduct	*-190.59*	
		For >1,000 To 2,000, Deduct	*-287.87*	
		For >2,000 To 5,000, Deduct	*-468.50*	
		For >5,000, Deduct	*-778.20*	
33 01 30 72-0328	LF	42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,080.70	
		For Vinylester Resin, Add	*2,735.31*	
		For Epoxy Resin, Add	*322.38*	
		For Up To >10, Add	*2,473.15*	
		For >10 To 25, Add	*1,409.70*	
		For >25 To 50, Add	*1,041.20*	
		For >50 To 100, Add	*520.60*	
		For >500 To 1,000, Deduct	*-208.36*	
		For >1,000 To 2,000, Deduct	*-314.71*	
		For >2,000 To 5,000, Deduct	*-512.19*	
		For >5,000, Deduct	*-850.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,428.75	
		For Vinylester Resin, Add	*2,968.61*	
		For Epoxy Resin, Add	*349.87*	
		For Up To >10, Add	*2,684.08*	
		For >10 To 25, Add	*1,529.92*	
		For >25 To 50, Add	*1,129.99*	
		For >50 To 100, Add	*565.00*	
		For >500 To 1,000, Deduct	*-226.13*	
		For >1,000 To 2,000, Deduct	*-341.55*	
		For >2,000 To 5,000, Deduct	*-555.87*	
		For >5,000, Deduct	*-923.33*	
33 01 30 72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	4,776.79	
		For Vinylester Resin, Add	*3,201.91*	
		For Epoxy Resin, Add	*377.37*	
		For Up To >10, Add	*2,895.00*	
		For >10 To 25, Add	*1,650.14*	
		For >25 To 50, Add	*1,218.79*	
		For >50 To 100, Add	*609.40*	
		For >500 To 1,000, Deduct	*-243.91*	
		For >1,000 To 2,000, Deduct	*-368.39*	
		For >2,000 To 5,000, Deduct	*-599.56*	
		For >5,000, Deduct	*-995.89*	
33 01 30 72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,124.84	
		For Vinylester Resin, Add	*3,435.21*	
		For Epoxy Resin, Add	*404.86*	
		For Up To >10, Add	*3,105.92*	
		For >10 To 25, Add	*1,770.36*	
		For >25 To 50, Add	*1,307.59*	
		For >50 To 100, Add	*653.79*	
		For >500 To 1,000, Deduct	*-261.68*	
		For >1,000 To 2,000, Deduct	*-395.23*	
		For >2,000 To 5,000, Deduct	*-643.24*	
		For >5,000, Deduct	*-1,068.45*	
33 01 30 72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,472.88	
		For Vinylester Resin, Add	*3,668.50*	
		For Epoxy Resin, Add	*432.36*	
		For Up To >10, Add	*3,316.84*	
		For >10 To 25, Add	*1,890.58*	
		For >25 To 50, Add	*1,396.38*	
		For >50 To 100, Add	*698.19*	
		For >500 To 1,000, Deduct	*-279.45*	
		For >1,000 To 2,000, Deduct	*-422.07*	
		For >2,000 To 5,000, Deduct	*-686.93*	
		For >5,000, Deduct	*-1,141.01*	
33 01 30 72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	5,820.93	
		For Vinylester Resin, Add	*3,901.81*	
		For Epoxy Resin, Add	*459.86*	
		For Up To >10, Add	*3,527.77*	
		For >10 To 25, Add	*2,010.80*	
		For >25 To 50, Add	*1,485.18*	
		For >50 To 100, Add	*742.59*	
		For >500 To 1,000, Deduct	*-297.22*	
		For >1,000 To 2,000, Deduct	*-448.92*	
		For >2,000 To 5,000, Deduct	*-730.61*	
		For >5,000, Deduct	*-1,213.57*	
33 01 30 72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,168.98	
		For Vinylester Resin, Add	*4,135.11*	
		For Epoxy Resin, Add	*487.35*	
		For Up To >10, Add	*3,738.69*	
		For >10 To 25, Add	*2,131.03*	
		For >25 To 50, Add	*1,573.98*	
		For >50 To 100, Add	*786.99*	
		For >500 To 1,000, Deduct	*-314.99*	
		For >1,000 To 2,000, Deduct	*-475.76*	
		For >2,000 To 5,000, Deduct	*-774.30*	
		For >5,000, Deduct	*-1,286.13*	
33 01 30 72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,517.02	
		For Vinylester Resin, Add	*4,368.41*	
		For Epoxy Resin, Add	*514.85*	
		For Up To >10, Add	*3,949.61*	
		For >10 To 25, Add	*2,251.25*	
		For >25 To 50, Add	*1,662.78*	
		For >50 To 100, Add	*831.39*	
		For >500 To 1,000, Deduct	*-332.76*	
		For >1,000 To 2,000, Deduct	*-502.60*	
		For >2,000 To 5,000, Deduct	*-817.98*	
		For >5,000, Deduct	*-1,358.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	6,865.07	
		For Vinylester Resin, Add	*4,601.71*	
		For Epoxy Resin, Add	*542.34*	
		For Up To >10, Add	*4,160.54*	
		For >10 To 25, Add	*2,371.47*	
		For >25 To 50, Add	*1,751.57*	
		For >50 To 100, Add	*875.79*	
		For >500 To 1,000, Deduct	*-350.53*	
		For >1,000 To 2,000, Deduct	*-529.44*	
		For >2,000 To 5,000, Deduct	*-861.66*	
		For >5,000, Deduct	*-1,431.25*	

33 01 30 74 Cured-in-Place Lateral Lining *(33 01 30)*

33 01 30 74-0001 Laterals; Cutting, Grouting And Reinstatement *(33 01 30 74)*

33 01 30 74-0002 Lateral Reinstatement/Reconnection *(33 01 30 74-0001)*

33 01 30 74-0003	EA	Cut Liner For Laterals, Up To 4" (Robotic)	569.90
33 01 30 74-0004	EA	Cut Liner For Laterals, 6" (Robotic)	616.10
33 01 30 74-0005	EA	Cut Liner For Laterals, 8" (Robotic)	654.61
33 01 30 74-0006	EA	Cut Liner For Laterals, 10" (Robotic)	693.11
33 01 30 74-0007	EA	Cut Liner For Laterals, 12" (Robotic)	731.62

33 01 30 74-0008 Grout Lateral Service *(33 01 30 74-0001)*

33 01 30 74-0009 Grout Lateral Service - Bladder *(33 01 30 74-0008)*

33 01 30 74-0010	EA	Grout Up To 4" Lateral Service - Bladder	604.00
33 01 30 74-0011	EA	Grout 6" Lateral Service - Bladder	693.45
33 01 30 74-0012	EA	Grout 8" Lateral Service - Bladder	782.90

33 01 30 74-0013 Grout Lateral Service - Robotic Trowel Application *(33 01 30 74-0008)*

33 01 30 74-0014	EA	Grout 3" To 6" Lateral Service - Robotic Trowel Application	658.02
33 01 30 74-0015	EA	Grout 8" To 12" Lateral Service - Robotic Trowel Application	712.05

33 01 30 74-0016 Lateral T-Liner *(33 01 30 74-0001)*

Note: As manufactured by LMK.

33 01 30 74-0017	EA	Up To 4" Lateral T-Liner	810.86
33 01 30 74-0018	EA	6" Lateral T-Liner	909.48
33 01 30 74-0019	EA	8" Lateral T-Liner	1,057.66

33 01 30 74-0020 Lining Lateral Pipe *(33 01 30 74-0001)*

33 01 30 74-0021 Lining Lateral Pipe *(33 01 30 74-0020)*

33 01 30 74-0022	LF	6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	43.65
		For 7.5mm, Add	*5.20*
		For 9 mm, Add	*10.29*
33 01 30 74-0023	LF	6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	52.63
		For 7.5mm, Add	*7.09*
		For 9 mm, Add	*14.02*
33 01 30 74-0024	LF	6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP) Trenchless Rehabiliation	69.53
		For 7.5mm, Add	*10.85*
		For 9 mm, Add	*21.46*

33 01 30 74-0025 Lining Manhole Drop *(33 01 30 74-0020)*

33 01 30 74-0026	EA	Manhole Drop Section Lining	881.89

33 01 30 79 Fold-and-Form Pipe Lining *(33 01 30)*

33 01 30 79-0001 Form and Fold Relining Underground Pipelines *(33 01 30 79)*

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

33 01 30 79-0002 Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion *(33 01 30 79-0001)*

33 01 30 79-0003	EA	Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.	5,517.70
33 01 30 79-0004	EA	Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines	2,207.08

33 01 30 79-0005 Form And Fold Polyethylene (PE) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0006	LF	4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	38.48
		For DR 26 Pipe Liner, Add	*6.66*
		For Up To 75, Add	*23.08*
		For >75 To 150, Add	*11.54*
		For >500 To 1,000, Deduct	*-0.89*
		For >1,000 To 2,000, Deduct	*-1.77*
		For >2,000, Deduct	*-3.55*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0007	LF	6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	48.93	
		For DR 26 Pipe Liner, Add	*9.05*	
		For DR 35 Pipe Liner, Deduct	*-4.53*	
		For Up To 75, Add	*26.34*	
		For >75 To 150, Add	*13.17*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000 To 2,000, Deduct	*-1.91*	
		For >2,000, Deduct	*-3.82*	
33 01 30 79-0008	LF	8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	50.66	
		For DR 26 Pipe Liner, Add	*9.22*	
		For DR 35 Pipe Liner, Deduct	*-4.61*	
		For Up To 75, Add	*28.06*	
		For >75 To 150, Add	*14.03*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-2.07*	
		For >2,000, Deduct	*-4.14*	
33 01 30 79-0009	LF	10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	70.34	
		For DR 26 Pipe Liner, Add	*13.83*	
		For DR 35 Pipe Liner, Deduct	*-6.91*	
		For DR 41 Pipe Liner, Deduct	*-13.83*	
		For Up To 75, Add	*33.62*	
		For >75 To 150, Add	*16.81*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.26*	
		For >2,000, Deduct	*-4.51*	
33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	97.50	
		For DR 26 Pipe Liner, Add	*20.24*	
		For DR 35 Pipe Liner, Deduct	*-10.12*	
		For DR 41 Pipe Liner, Deduct	*-20.24*	
		For Up To 75, Add	*41.03*	
		For >75 To 150, Add	*20.51*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 2,000, Deduct	*-2.48*	
		For >2,000, Deduct	*-4.97*	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5	132.76	
		For DR 35 Pipe Liner, Deduct	*-14.24*	
		For DR 41 Pipe Liner, Deduct	*-28.49*	
		For Up To 75, Add	*51.01*	
		For >75 To 150, Add	*25.50*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 2,000, Deduct	*-2.82*	
		For >2,000, Deduct	*-5.64*	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35	186.46	
		For DR 41 Pipe Liner, Deduct	*-16.52*	
		For DR 50 Pipe Liner, Deduct	*-33.05*	
		For Up To 75, Add	*64.89*	
		For >75 To 150, Add	*32.45*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000, Deduct	*-6.37*	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47	210.68	
		For DR 50 Pipe Liner, Deduct	*-28.15*	
		For DR 55 Pipe Liner, Deduct	*-46.92*	
		For Up To 75, Add	*72.02*	
		For >75 To 150, Add	*36.01*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000 To 2,000, Deduct	*-3.45*	
		For >2,000, Deduct	*-6.90*	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55	256.34	
		For DR 60 Pipe Liner, Deduct	*-34.69*	
		For Up To 75, Add	*83.87*	
		For >75 To 150, Add	*41.94*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000 To 2,000, Deduct	*-3.76*	
		For >2,000, Deduct	*-7.52*	

33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner *(33 01 30 79-0001)*

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	40.99	
		For Up To 75, Add	*23.58*	
		For >75 To 150, Add	*11.79*	
		For >500 To 1,000, Deduct	*-0.89*	
		For >1,000 To 2,000, Deduct	*-1.77*	
		For >2,000, Deduct	*-3.55*	
		For DR 26 Pipe Liner, Add	*7.29*	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	48.93	
		For Up To 75, Add	*26.34*	
		For >75 To 150, Add	*13.17*	
		For >500 To 1,000, Deduct	*-0.95*	
		For >1,000 To 2,000, Deduct	*-1.91*	
		For >2,000, Deduct	*-3.82*	
		For DR 26 Pipe Liner, Add	*9.05*	
		For DR 35 Pipe Liner, Deduct	*-4.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	54.01	
		For Up To 75, Add	*28.73*	
		For >75 To 150, Add	*14.36*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-2.07*	
		For >2,000, Deduct	*-4.14*	
		For DR 26 Pipe Liner, Add	*10.06*	
		For DR 35 Pipe Liner, Deduct	*-5.03*	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	75.37	
		For Up To 75, Add	*34.63*	
		For >75 To 150, Add	*17.31*	
		For >500 To 1,000, Deduct	*-1.13*	
		For >1,000 To 2,000, Deduct	*-2.26*	
		For >2,000, Deduct	*-4.51*	
		For DR 26 Pipe Liner, Add	*15.08*	
		For DR 35 Pipe Liner, Deduct	*-7.54*	
		For DR 41 Pipe Liner, Deduct	*-15.08*	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	105.04	
		For Up To 75, Add	*42.54*	
		For >75 To 150, Add	*21.27*	
		For >500 To 1,000, Deduct	*-1.24*	
		For >1,000 To 2,000, Deduct	*-2.48*	
		For >2,000, Deduct	*-4.97*	
		For DR 26 Pipe Liner, Add	*22.12*	
		For DR 35 Pipe Liner, Deduct	*-11.06*	
		For DR 41 Pipe Liner, Deduct	*-22.12*	
33 01 30 79-0021	LF	15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5	143.49	
		For Up To 75, Add	*53.15*	
		For >75 To 150, Add	*26.58*	
		For >500 To 1,000, Deduct	*-1.41*	
		For >1,000 To 2,000, Deduct	*-2.82*	
		For >2,000, Deduct	*-5.64*	
		For DR 35 Pipe Liner, Deduct	*-15.59*	
		For DR 41 Pipe Liner, Deduct	*-31.17*	
33 01 30 79-0022	LF	18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35	202.22	
		For Up To 75, Add	*68.04*	
		For >75 To 150, Add	*34.02*	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000, Deduct	*-6.37*	
		For DR 41 Pipe Liner, Deduct	*-18.10*	
		For DR 50 Pipe Liner, Deduct	*-36.20*	
33 01 30 79-0023	LF	21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47	228.11	
		For Up To 75, Add	*75.51*	
		For >75 To 150, Add	*37.75*	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000 To 2,000, Deduct	*-3.45*	
		For >2,000, Deduct	*-6.90*	
		For DR 50 Pipe Liner, Deduct	*-30.77*	
		For DR 55 Pipe Liner, Deduct	*-51.28*	
33 01 30 79-0024	LF	24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55	278.46	
		For Up To 75, Add	*88.30*	
		For >75 To 150, Add	*44.15*	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000 To 2,000, Deduct	*-3.76*	
		For >2,000, Deduct	*-7.52*	
		For DR 60 Pipe Liner, Deduct	*-38.01*	

33 01 30 81 Manhole Rehabilitation *(33 01 30)*

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes *(33 01 30 81)*

Note: Work is in confined spaces.

33 01 30 81-0002 Inspection And Ventilation System Set-up *(33 01 30 81-0001)*

33 01 30 81-0003	EA	Inspect Manhole	203.12
33 01 30 81-0004	EA	36" to 60" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains.	15,341.17
33 01 30 81-0005	EA	>60" to 108" Diameter, Up To 2600', Installation And Maintenance Of Ventilation System Note: For internal inspection and repair of water mains	21,744.35

33 01 30 81-0006 Manhole Seals *(33 01 30 81-0001)*

33 01 30 81-0007 Internal Manhole Chimney Seals *(33 01 30 81-0006)*

Note: Cretex.

33 01 30 81-0008	EA	20" Internal Manhole Chimney Seal	584.40
33 01 30 81-0009	EA	22" Internal Manhole Chimney Seal	615.98
33 01 30 81-0010	EA	24" Internal Manhole Chimney Seal	631.78
33 01 30 81-0011	EA	26" Internal Manhole Chimney Seal	726.54
33 01 30 81-0012	EA	28" Internal Manhole Chimney Seal	821.31
33 01 30 81-0013	EA	30" Internal Manhole Chimney Seal	916.07
33 01 30 81-0014	EA	36" Internal Manhole Chimney Seal	1,105.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0015		**External Manhole Encapsulation** *(33 01 30 81-0006)* Note: Wrapidseal.		
33 01 30 81-0016	EA	24" External Manhole Encapsulation	852.90	
33 01 30 81-0017	EA	30" External Manhole Encapsulation	900.28	
33 01 30 81-0018	EA	36" External Manhole Encapsulation	963.47	
33 01 30 81-0019	EA	42" External Manhole Encapsulation	1,042.43	
33 01 30 81-0020	EA	48" External Manhole Encapsulation	1,152.99	
33 01 30 81-0021	EA	54" External Manhole Encapsulation	1,279.34	
33 01 30 81-0022	EA	60" External Manhole Encapsulation	1,437.30	
33 01 30 81-0023		**Manhole Crack Repair** *(33 01 30 81-0001)* Note: Includes removing loose materials and cleaning.		
33 01 30 81-0024	LF	Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair	58.98	
33 01 30 81-0025	LF	>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair	79.45	
33 01 30 81-0026	LF	Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair	55.38	
33 01 30 81-0027	LF	>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair	75.14	
33 01 30 81-0028		**Manhole Patching** *(33 01 30 81-0001)* Note: Includes removing loose materials and cleaning.		
33 01 30 81-0029	SF	Up To 1/4" Thick, Cementitious Grout, Manhole Patching	19.18	
33 01 30 81-0030	SF	Up To 1/4" Thick, Epoxy Grout, Manhole Patching	42.52	
33 01 30 81-0031		**Manhole Joint Restoration** *(33 01 30 81-0001)* Note: Includes drilling holes at joints, fill joints with grout.		
33 01 30 81-0032	EA	3' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,474.19	
		For Grouting Each Additional Manhole Joint Section, Add	*238.11*	
33 01 30 81-0033	EA	3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	2,888.31	
		For Grouting Each Additional Manhole Joint Section, Add	*265.29*	
33 01 30 81-0034	EA	4' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,298.91	
		For Grouting Each Additional Manhole Joint Section, Add	*292.48*	
33 01 30 81-0035	EA	5' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	3,921.53	
		For Grouting Each Additional Manhole Joint Section, Add	*306.07*	
33 01 30 81-0036	EA	6' Diameter Joint Restoration, Grout Fill Per Each Manhole Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.	4,542.37	
		For Grouting Each Additional Manhole Joint Section, Add	*319.66*	
33 01 30 81-0037		**Step Installation In Existing Manholes** *(33 01 30 81-0001)* Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0038	EA	Drill And Grout 7" x 9" Cast Iron Manhole Steps	130.85	23.60
33 01 30 81-0039	EA	Drill And Grout 8" x 9" Cast Iron Manhole Steps	141.06	23.60
33 01 30 81-0040	EA	Drill And Grout Galvanized Steel Manhole Step	121.49	23.60
33 01 30 81-0041	EA	Bolt On Galvanized Steel Manhole Step	138.26	23.60
33 01 30 81-0042	EA	Drill And Grout Aluminum Manhole Step	149.11	23.60
33 01 30 81-0043	EA	Drill And Insert Polypropylene Manhole Step	73.20	18.88
33 01 30 81-0044		**Invert Restoration** *(33 01 30 81-0001)* Note: Includes removal of existing defective material and installation of new material.		
33 01 30 81-0045		**Concrete Invert Restoration** *(33 01 30 81-0044)*		
33 01 30 81-0046	EA	2' Diameter, Concrete Invert Restoration	397.71	
33 01 30 81-0047	EA	3' Diameter, Concrete Invert Restoration	448.49	
33 01 30 81-0048	EA	4' Diameter, Concrete Invert Restoration	499.27	
33 01 30 81-0049	EA	5' Diameter, Concrete Invert Restoration	550.05	
33 01 30 81-0050	EA	6' Diameter, Concrete Invert Restoration	702.40	
33 01 30 81-0051	SF	Square Or Rectangular, Concrete Invert Restoration	39.71	
33 01 30 81-0052		**Brick Invert Restoration** *(33 01 30 81-0044)*		
33 01 30 81-0053	EA	2' Diameter, Brick Invert Restoration	671.04	
33 01 30 81-0054	EA	3' Diameter, Brick Invert Restoration	721.82	
33 01 30 81-0055	EA	4' Diameter, Brick Invert Restoration	772.60	
33 01 30 81-0056	EA	5' Diameter, Brick Invert Restoration	823.38	
33 01 30 81-0057	EA	6' Diameter, Brick Invert Restoration	874.16	
33 01 30 81-0058	SF	Square Or Rectangular, Brick Invert Restoration	55.88	
33 01 30 81-0059		**Repair In-Kind Of Drainage Structures** *(33 01 30 81)* Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0060	VLF	2' Diameter, Repair In-Kind Drainage Structure	853.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0061	VLF	3' Diameter, Repair In-Kind Drainage Structure	1,280.25	
33 01 30 81-0062	VLF	4' Diameter, Repair In-Kind Drainage Structure	1,707.12	
33 01 30 81-0063	VLF	5' Diameter, Repair In-Kind Drainage Structure	2,133.75	
33 01 30 81-0064	VLF	6' Diameter, Repair In-Kind Drainage Structure	2,560.51	
33 01 30 81-0065	VLF	2' x 2', Repair In-Kind Drainage Structure	1,087.26	
33 01 30 81-0066	VLF	2' x 3', Repair In-Kind Drainage Structure	1,359.08	
33 01 30 81-0067	VLF	2' x 4', Repair In-Kind Drainage Structure	1,630.90	
33 01 30 81-0068	VLF	3' x 4', Repair In-Kind Drainage Structure	1,902.71	
33 01 30 81-0069	VLF	4' x 4', Repair In-Kind Drainage Structure	2,174.53	
33 01 30 81-0070	VLF	4' x 5', Repair In-Kind Drainage Structure	2,446.35	
33 01 30 81-0071	VLF	4' x 6', Repair In-Kind Drainage Structure	2,718.16	
33 01 30 81-0072	VLF	4' x 8', Repair In-Kind Drainage Structure	3,261.79	
33 01 30 81-0073	VLF	>32 GSF, Repair In-Kind Drainage Structure	3,805.43	

33 01 30 82 Epoxy Lining for Concrete Manholes *(33 01 30)*

33 01 30 82-0001 Epoxy Manhole Restoration, Interior *(33 01 30 82)*

33 01 30 82-0002	VLF	60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior	369.09	
		For 80 Mil Material, Add	*44.02*	
		For 100 Mil Material, Add	*88.05*	
		For 125 Mil Material, Add	*137.34*	
		For 150 Mil Material, Add	*186.64*	
		For 200 Mil Material, Add	*269.94*	
		For 2 To 5 Manholes, Deduct	*-26.10*	
		For 6 To 10 Manholes, Deduct	*-42.97*	
		For >10 Manholes, Deduct	*-85.95*	
33 01 30 82-0003	VLF	60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior	447.66	
		For 80 Mil Material, Add	*52.66*	
		For 100 Mil Material, Add	*105.31*	
		For 125 Mil Material, Add	*164.13*	
		For 150 Mil Material, Add	*222.94*	
		For 200 Mil Material, Add	*321.88*	
		For 2 To 5 Manholes, Deduct	*-31.73*	
		For 6 To 10 Manholes, Deduct	*-52.26*	
		For >10 Manholes, Deduct	*-104.53*	
33 01 30 82-0004	VLF	60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior	492.11	
		For 80 Mil Material, Add	*58.70*	
		For 100 Mil Material, Add	*117.39*	
		For 125 Mil Material, Add	*183.12*	
		For 150 Mil Material, Add	*248.84*	
		For 200 Mil Material, Add	*359.90*	
		For 2 To 5 Manholes, Deduct	*-34.80*	
		For 6 To 10 Manholes, Deduct	*-57.30*	
		For >10 Manholes, Deduct	*-114.59*	
33 01 30 82-0005	VLF	60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior	615.21	
		For 80 Mil Material, Add	*73.39*	
		For 100 Mil Material, Add	*146.79*	
		For 125 Mil Material, Add	*228.98*	
		For 150 Mil Material, Add	*311.16*	
		For 200 Mil Material, Add	*450.05*	
		For 2 To 5 Manholes, Deduct	*-43.50*	
		For 6 To 10 Manholes, Deduct	*-71.63*	
		For >10 Manholes, Deduct	*-143.25*	
33 01 30 82-0006	VLF	60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior	738.23	
		For 80 Mil Material, Add	*88.07*	
		For 100 Mil Material, Add	*176.13*	
		For 125 Mil Material, Add	*274.75*	
		For 150 Mil Material, Add	*373.37*	
		For 200 Mil Material, Add	*540.01*	
		For 2 To 5 Manholes, Deduct	*-52.20*	
		For 6 To 10 Manholes, Deduct	*-85.95*	
		For >10 Manholes, Deduct	*-171.90*	

33 01 30 83 Lining for Concrete Manholes *(33 01 30)*

33 01 30 83-0001 Manhole Lining *(33 01 30 83)*

Note: Includes power washing and cleaning of manhole interiors.

33 01 30 83-0002 Cementitious Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0003	VLF	1/2" Cementitious Restoration On 3' Diameter Manhole Interior	157.43	
		For Each Additional 1/2" Thick Material, Add	*38.38*	
		For 2 To 5 Manholes, Deduct	*-11.10*	
		For 6 To 10 Manholes, Deduct	*-18.26*	
		For >10 Manholes, Deduct	*-36.53*	
33 01 30 83-0004	VLF	1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior	182.53	
		For Each Additional 1/2" Thick Material, Add	*44.67*	
		For 2 To 5 Manholes, Deduct	*-12.86*	
		For 6 To 10 Manholes, Deduct	*-21.17*	
		For >10 Manholes, Deduct	*-42.33*	
33 01 30 83-0005	VLF	1/2" Cementitious Restoration On 4' Diameter Manhole Interior	207.64	
		For Each Additional 1/2" Thick Material, Add	*50.96*	
		For 2 To 5 Manholes, Deduct	*-14.63*	
		For 6 To 10 Manholes, Deduct	*-24.07*	
		For >10 Manholes, Deduct	*-48.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 83-0006	VLF	1/2" Cementitious Restoration On 5' Diameter Manhole Interior	244.49	
		For Each Additional 1/2" Thick Material, Add	*62.37*	
		For 2 To 5 Manholes, Deduct	*-17.15*	
		For 6 To 10 Manholes, Deduct	*-28.19*	
		For >10 Manholes, Deduct	*-56.38*	
33 01 30 83-0007	VLF	1/2" Cementitious Restoration On 6' Diameter Manhole Interior	267.28	
		For Each Additional 1/2" Thick Material, Add	*72.01*	
		For 2 To 5 Manholes, Deduct	*-18.63*	
		For 6 To 10 Manholes, Deduct	*-30.58*	
		For >10 Manholes, Deduct	*-61.16*	

33 01 30 83-0008 Polyurethane Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0009	VLF	60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior	327.92	
		For 80 Mil Material, Add	*30.30*	
		For 100 Mil Material, Add	*60.60*	
		For 125 Mil Material, Add	*92.74*	
		For 150 Mil Material, Add	*124.88*	
		For 200 Mil Material, Add	*173.88*	
		For 2 To 5 Manholes, Deduct	*-24.04*	
		For 6 To 10 Manholes, Deduct	*-39.89*	
		For >10 Manholes, Deduct	*-79.77*	
33 01 30 83-0010	VLF	60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior	399.56	
		For 80 Mil Material, Add	*36.62*	
		For 100 Mil Material, Add	*73.25*	
		For 125 Mil Material, Add	*112.02*	
		For 150 Mil Material, Add	*150.79*	
		For 200 Mil Material, Add	*209.65*	
		For 2 To 5 Manholes, Deduct	*-29.32*	
		For 6 To 10 Manholes, Deduct	*-48.66*	
		For >10 Manholes, Deduct	*-97.31*	
33 01 30 83-0011	VLF	60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior	437.22	
		For 80 Mil Material, Add	*40.40*	
		For 100 Mil Material, Add	*80.80*	
		For 125 Mil Material, Add	*123.65*	
		For 150 Mil Material, Add	*166.51*	
		For 200 Mil Material, Add	*231.82*	
		For 2 To 5 Manholes, Deduct	*-32.06*	
		For 6 To 10 Manholes, Deduct	*-53.18*	
		For >10 Manholes, Deduct	*-106.36*	
33 01 30 83-0012	VLF	60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior	546.52	
		For 80 Mil Material, Add	*50.50*	
		For 100 Mil Material, Add	*101.00*	
		For 125 Mil Material, Add	*154.56*	
		For 150 Mil Material, Add	*208.13*	
		For 200 Mil Material, Add	*289.77*	
		For 2 To 5 Manholes, Deduct	*-40.07*	
		For 6 To 10 Manholes, Deduct	*-66.47*	
		For >10 Manholes, Deduct	*-132.95*	
33 01 30 83-0013	VLF	60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior	655.82	
		For 80 Mil Material, Add	*60.60*	
		For 100 Mil Material, Add	*121.19*	
		For 125 Mil Material, Add	*185.47*	
		For 150 Mil Material, Add	*249.75*	
		For 200 Mil Material, Add	*347.72*	
		For 2 To 5 Manholes, Deduct	*-48.08*	
		For 6 To 10 Manholes, Deduct	*-79.77*	
		For >10 Manholes, Deduct	*-159.54*	

33 01 30 83-0014 Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior *(33 01 30 83-0001)*

33 01 30 83-0015	VLF	3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	582.79	
		For 2 To 5 Manholes, Deduct	*-33.80*	
		For 6 To 10 Manholes, Deduct	*-53.02*	
		For >10 Manholes, Deduct	*-106.04*	
33 01 30 83-0016	VLF	3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	713.72	
		For 2 To 5 Manholes, Deduct	*-41.38*	
		For 6 To 10 Manholes, Deduct	*-64.91*	
		For >10 Manholes, Deduct	*-129.82*	
33 01 30 83-0017	VLF	4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	841.53	
		For 2 To 5 Manholes, Deduct	*-48.28*	
		For 6 To 10 Manholes, Deduct	*-75.53*	
		For >10 Manholes, Deduct	*-151.06*	
33 01 30 83-0018	VLF	5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,055.35	
		For 2 To 5 Manholes, Deduct	*-60.53*	
		For 6 To 10 Manholes, Deduct	*-94.67*	
		For >10 Manholes, Deduct	*-189.34*	
33 01 30 83-0019	VLF	6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole	1,269.19	
		For 2 To 5 Manholes, Deduct	*-72.77*	
		For 6 To 10 Manholes, Deduct	*-113.81*	
		For >10 Manholes, Deduct	*-227.62*	

33 01 30 86 Manhole Rim Adjustment *(33 01 30)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 86-0001		Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86)*		
		Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0057 for sawcutting pavement if required, 32 12 16 13-0022 for hand placed hot mix asphalt.		
33 01 30 86-0002		Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers *(33 01 30 86-0001)*		
33 01 30 86-0003	EA	Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	562.28	
		For Lowering Manhole Rim, Add	*95.48*	
		Note: Includes digging under manhole rim		
33 01 30 86-0004	EA	>2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	627.09	
		For Lowering Manhole Rim, Add	*101.52*	
		Note: Includes digging under manhole rim		
33 01 30 86-0005	EA	>3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	686.87	
		For Lowering Manhole Rim, Add	*107.94*	
		Note: Includes digging under manhole rim		
33 01 30 86-0006	EA	>4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	753.98	
		For Lowering Manhole Rim, Add	*114.73*	
		Note: Includes digging under manhole rim		
33 01 30 86-0007	EA	>5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	810.97	
		For Lowering Manhole Rim, Add	*122.28*	
		Note: Includes digging under manhole rim		
33 01 30 86-0008		Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser *(33 01 30 86-0001)*		
33 01 30 86-0009	EA	Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	660.89	
		For Lowering Manhole Rim, Add	*100.39*	
		Note: Includes digging under manhole rim		
33 01 30 86-0010	EA	>2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	717.55	
		For Lowering Manhole Rim, Add	*106.80*	
		Note: Includes digging under manhole rim		
33 01 30 86-0011	EA	>3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	787.76	
		For Lowering Manhole Rim, Add	*113.60*	
		Note: Includes digging under manhole rim		
33 01 30 86-0012	EA	>4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	857.15	
		For Lowering Manhole Rim, Add	*121.14*	
		Note: Includes digging under manhole rim		
33 01 30 86-0013	EA	>5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser	923.46	
		For Lowering Manhole Rim, Add	*128.69*	
		Note: Includes digging under manhole rim		
33 01 30 86-0014		Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risers *(33 01 30 86-0001)*		
33 01 30 86-0015	EA	Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	768.11	
		For Lowering Manhole Rim, Add	*124.92*	
		Note: Includes digging under manhole rim		
33 01 30 86-0016	EA	>4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	810.75	
		For Lowering Manhole Rim, Add	*130.96*	
		Note: Includes digging under manhole rim		
33 01 30 86-0017	EA	>5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risers	857.97	
		For Lowering Manhole Rim, Add	*138.50*	
		Note: Includes digging under manhole rim		
33 01 30 86-0018		>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risers *(33 01 30 86-0001)*		
33 01 30 86-0019	EA	>6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	928.39	
33 01 30 86-0020	EA	7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,006.61	
33 01 30 86-0021	EA	7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,085.97	
33 01 30 86-0022	EA	8" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,152.11	
33 01 30 86-0023	EA	9" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,248.45	
33 01 30 86-0024	EA	10" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,336.63	
33 01 30 86-0025	EA	11" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,425.13	
33 01 30 86-0026	EA	12" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser	1,515.93	
33 01 30 86-0027		>12" Rise, Solid Manhole Risers *(33 01 30 86)*		
33 01 30 86-0028		Precast Concrete Manhole Riser *(33 01 30 86-0027)*		
33 01 30 86-0029	VLF	Up To 26" Diameter Precast Concrete Manhole Riser	116.63	
33 01 30 86-0030	VLF	>26" To 36" Diameter Precast Concrete Manhole Riser	139.45	
33 01 30 86-0031	VLF	>36" To 48" Diameter Precast Concrete Manhole Riser	195.94	
33 01 30 86-0032	VLF	>48" To 60" Diameter Precast Concrete Manhole Riser	400.15	
33 01 30 86-0033	VLF	>60" To 72" Diameter Precast Concrete Manhole Riser	586.04	

33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems *(33 01)*

33 01 34 13 Septic Tank Solids Removal *(33 01 34)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 34 13-0001		Pump Out Septic Tanks *(33 01 34 13)*		
33 01 34 13-0002	GAL	Pump Out Septic Tank And Dispose	0.72	

33 01 70 Operation and Maintenance of Electrical Utilities *(33 01)*

33 01 70 51 Electrical Utility Visual Inspection *(33 01 70)*

33 01 70 51-0001		Video Camera Inspection Of Gas Piping and Electrical Duct *(33 01 70 51)*		
33 01 70 51-0002		Video Camera Set-up *(33 01 70 51-0001)*		
33 01 70 51-0003	EA	Up To 12" Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct	284.01	
33 01 70 51-0004	EA	>12" To 48" Diameter, Initial Set Up For Video Inspection, Gas Pipe	319.50	
33 01 70 51-0005	EA	Up To 12" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct	71.00	
33 01 70 51-0006	EA	>12" To 48" Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe	106.50	
33 01 70 51-0007		Video Camera Inspection Of Gas Pipe Or Electrical Duct *(33 01 70 51-0001)*		
33 01 70 51-0008	LF	Up To 12" Diameter, Video Inspection, Gas Pipe Or Electrical Duct	1.10	
		For >1,000 To 5,000, Deduct	*-0.06*	
		For >5,000, Deduct	*-0.11*	
33 01 70 51-0009	LF	>12" To 48" Diameter, Video Inspection, Gas Pipe	1.69	
		For >1,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.17*	

33 01 70 72 Cured-in-Place Conduit Lining *(33 01 70)*

33 01 70 72-0001		Lining Conduit With Cured In-Place (CIP) Liner *(33 01 70 72)* Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.		
33 01 70 72-0002		2mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*		
33 01 70 72-0003	LF	1-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	8.18	
		For Up To >10, Add	*15.14*	
		For >10 To 25, Add	*11.99*	
		For >25 To 50, Add	*7.38*	
		For >50 To 100, Add	*3.69*	
		For >500 To 1,000, Deduct	*-0.52*	
		For >1,000 To 2,000, Deduct	*-0.83*	
		For >2,000 To 5,000, Deduct	*-1.56*	
		For >5,000, Deduct	*-2.52*	
33 01 70 72-0004	LF	2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	10.04	
		For Up To >10, Add	*17.42*	
		For >10 To 25, Add	*13.67*	
		For >25 To 50, Add	*8.46*	
		For >50 To 100, Add	*4.23*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.85*	
		For >5,000, Deduct	*-3.00*	
33 01 70 72-0005	LF	2-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	12.61	
		For Up To >10, Add	*21.83*	
		For >10 To 25, Add	*17.13*	
		For >25 To 50, Add	*10.60*	
		For >50 To 100, Add	*5.30*	
		For >500 To 1,000, Deduct	*-0.79*	
		For >1,000 To 2,000, Deduct	*-1.26*	
		For >2,000 To 5,000, Deduct	*-2.32*	
		For >5,000, Deduct	*-3.76*	
33 01 70 72-0006	LF	3" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	14.90	
		For Up To >10, Add	*25.38*	
		For >10 To 25, Add	*19.86*	
		For >25 To 50, Add	*12.30*	
		For >50 To 100, Add	*6.15*	
		For >500 To 1,000, Deduct	*-0.92*	
		For >1,000 To 2,000, Deduct	*-1.48*	
		For >2,000 To 5,000, Deduct	*-2.72*	
		For >5,000, Deduct	*-4.41*	
33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	16.77	
		For Up To >10, Add	*27.69*	
		For >10 To 25, Add	*21.56*	
		For >25 To 50, Add	*13.39*	
		For >50 To 100, Add	*6.70*	
		For >500 To 1,000, Deduct	*-1.03*	
		For >1,000 To 2,000, Deduct	*-1.64*	
		For >2,000 To 5,000, Deduct	*-3.02*	
		For >5,000, Deduct	*-4.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	18.93	
		For Up To >10, Add	*30.87*	
		For >10 To 25, Add	*23.99*	
		For >25 To 50, Add	*14.91*	
		For >50 To 100, Add	*7.46*	
		For >500 To 1,000, Deduct	*-1.16*	
		For >1,000 To 2,000, Deduct	*-1.85*	
		For >2,000 To 5,000, Deduct	*-3.38*	
		For >5,000, Deduct	*-5.50*	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	22.40	
		For Up To >10, Add	*34.65*	
		For >10 To 25, Add	*26.71*	
		For >25 To 50, Add	*16.67*	
		For >50 To 100, Add	*8.34*	
		For >500 To 1,000, Deduct	*-1.35*	
		For >1,000 To 2,000, Deduct	*-2.15*	
		For >2,000 To 5,000, Deduct	*-3.91*	
		For >5,000, Deduct	*-6.36*	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining	25.87	
		For Up To >10, Add	*38.46*	
		For >10 To 25, Add	*29.44*	
		For >25 To 50, Add	*18.45*	
		For >50 To 100, Add	*9.22*	
		For >500 To 1,000, Deduct	*-1.55*	
		For >1,000 To 2,000, Deduct	*-2.45*	
		For >2,000 To 5,000, Deduct	*-4.43*	
		For >5,000, Deduct	*-7.22*	

33 01 70 72-0011 3mm Thick Cured In-Place Conduit Lining *(33 01 70 72-0001)*

33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	10.17	
		For Up To >10, Add	*16.81*	
		For >10 To 25, Add	*13.10*	
		For >25 To 50, Add	*8.13*	
		For >50 To 100, Add	*4.07*	
		For >500 To 1,000, Deduct	*-0.63*	
		For >1,000 To 2,000, Deduct	*-1.00*	
		For >2,000 To 5,000, Deduct	*-1.83*	
		For >5,000, Deduct	*-2.97*	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	13.26	
		For Up To >10, Add	*21.11*	
		For >10 To 25, Add	*16.34*	
		For >25 To 50, Add	*10.18*	
		For >50 To 100, Add	*5.09*	
		For >500 To 1,000, Deduct	*-0.81*	
		For >1,000 To 2,000, Deduct	*-1.28*	
		For >2,000 To 5,000, Deduct	*-2.34*	
		For >5,000, Deduct	*-3.81*	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	16.34	
		For Up To >10, Add	*25.40*	
		For >10 To 25, Add	*19.59*	
		For >25 To 50, Add	*12.23*	
		For >50 To 100, Add	*6.11*	
		For >500 To 1,000, Deduct	*-0.99*	
		For >1,000 To 2,000, Deduct	*-1.57*	
		For >2,000 To 5,000, Deduct	*-2.86*	
		For >5,000, Deduct	*-4.65*	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	19.15	
		For Up To >10, Add	*28.88*	
		For >10 To 25, Add	*22.16*	
		For >25 To 50, Add	*13.87*	
		For >50 To 100, Add	*6.93*	
		For >500 To 1,000, Deduct	*-1.15*	
		For >1,000 To 2,000, Deduct	*-1.82*	
		For >2,000 To 5,000, Deduct	*-3.30*	
		For >5,000, Deduct	*-5.37*	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	21.84	
		For Up To >10, Add	*31.97*	
		For >10 To 25, Add	*24.41*	
		For >25 To 50, Add	*15.31*	
		For >50 To 100, Add	*7.66*	
		For >500 To 1,000, Deduct	*-1.30*	
		For >1,000 To 2,000, Deduct	*-2.06*	
		For >2,000 To 5,000, Deduct	*-3.72*	
		For >5,000, Deduct	*-6.05*	
33 01 70 72-0017	LF	4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	24.64	
		For Up To >10, Add	*35.42*	
		For >10 To 25, Add	*26.95*	
		For >25 To 50, Add	*16.94*	
		For >50 To 100, Add	*8.47*	
		For >500 To 1,000, Deduct	*-1.46*	
		For >1,000 To 2,000, Deduct	*-2.31*	
		For >2,000 To 5,000, Deduct	*-4.16*	
		For >5,000, Deduct	*-6.78*	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0018	LF	5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	30.13	
		For Up To >10, Add	*41.97*	
		For >10 To 25, Add	*31.74*	
		For >25 To 50, Add	*20.01*	
		For >50 To 100, Add	*10.01*	
		For >500 To 1,000, Deduct	*-1.78*	
		For >1,000 To 2,000, Deduct	*-2.80*	
		For >2,000 To 5,000, Deduct	*-5.01*	
		For >5,000, Deduct	*-8.18*	
33 01 70 72-0019	LF	6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining	35.20	
		For Up To >10, Add	*47.25*	
		For >10 To 25, Add	*35.49*	
		For >25 To 50, Add	*22.46*	
		For >50 To 100, Add	*11.23*	
		For >500 To 1,000, Deduct	*-2.06*	
		For >1,000 To 2,000, Deduct	*-3.23*	
		For >2,000 To 5,000, Deduct	*-5.77*	
		For >5,000, Deduct	*-9.41*	

33 05 Common Work Results for Utilities *(33)*

33 05 05 Buried Piping Installation *(33 05)*

33 05 05 43 Mandrel Testing *(33 05 05)*

33 05 05 43-0001 Pipe Line Deflection Testing (Mandrel) On Existing Pipe *(33 05 05 43)*

33 05 05 43-0002	EA	Initial Set Up And Final Equipment Removal For Deflection Testing (Mandrel)	679.01
33 05 05 43-0003	EA	Move And Reset Up At Different Access/Location For Deflection Testing (Mandrel)	339.50
33 05 05 43-0004	LF	Up To 4" Diameter Pipe Line Deflection Testing (Mandrel)	1.07
		For >100 To 200, Deduct	*-0.06*
		For >200 To 400, Deduct	*-0.11*
		For >400, Deduct	*-0.17*
33 05 05 43-0005	LF	6" Diameter Pipe Line Deflection Testing (Mandrel)	1.60
		For >100 To 200, Deduct	*-0.07*
		For >200 To 400, Deduct	*-0.14*
		For >400, Deduct	*-0.22*
33 05 05 43-0006	LF	8" Diameter Pipe Line Deflection Testing (Mandrel)	1.90
		For >100 To 200, Deduct	*-0.08*
		For >200 To 400, Deduct	*-0.16*
		For >400, Deduct	*-0.25*
33 05 05 43-0007	LF	10" Diameter Pipe Line Deflection Testing (Mandrel)	2.23
		For >100 To 200, Deduct	*-0.10*
		For >200 To 400, Deduct	*-0.18*
		For >400, Deduct	*-0.29*
33 05 05 43-0008	LF	12" Diameter Pipe Line Deflection Testing (Mandrel)	2.49
		For >100 To 200, Deduct	*-0.11*
		For >200 To 400, Deduct	*-0.20*
		For >400, Deduct	*-0.31*
33 05 05 43-0009	LF	>12" To 15" Diameter Pipe Line Deflection Testing (Mandrel)	2.62
		For >100 To 200, Deduct	*-0.12*
		For >200 To 400, Deduct	*-0.22*
		For >400, Deduct	*-0.34*
33 05 05 43-0010	LF	>15" To 24" Diameter Pipe Line Deflection Testing (Mandrel)	2.78
		For >100 To 200, Deduct	*-0.13*
		For >200 To 400, Deduct	*-0.24*
		For >400, Deduct	*-0.37*
33 05 05 43-0011	LF	>24" To 30" Diameter Pipe Line Deflection Testing (Mandrel)	3.06
		For >100 To 200, Deduct	*-0.15*
		For >200 To 400, Deduct	*-0.28*
		For >400, Deduct	*-0.44*
33 05 05 43-0012	LF	>30" To 42" Diameter Pipe Line Deflection Testing (Mandrel)	3.63
		For >100 To 200, Deduct	*-0.19*
		For >200 To 400, Deduct	*-0.36*
		For >400, Deduct	*-0.56*
33 05 05 43-0013	LF	>42" To 48" Diameter Pipe Line Deflection Testing (Mandrel)	4.85
		For >100 To 200, Deduct	*-0.28*
		For >200 To 400, Deduct	*-0.53*
		For >400, Deduct	*-0.83*
33 05 05 43-0014	LF	>48" To 60" Diameter Pipe Line Deflection Testing (Mandrel)	6.18
		For >100 To 200, Deduct	*-0.38*
		For >200 To 400, Deduct	*-0.71*
		For >400, Deduct	*-1.12*

33 05 07 Trenchless Installation of Utility Piping *(33 05)*

33 05 07 13 Utility Directional Drilling *(33 05 07)*

33 05 07 13-0001 Horizontal Augering *(33 05 07 13)*

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering	27.38
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering	33.03
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering	45.31

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering	58.52	
33 05 07 13-0006	LF	8" Diameter Horizontal Augering	107.02	
33 05 07 13-0007	LF	10" Diameter Horizontal Augering	156.12	
33 05 07 13-0008	LF	12" Diameter Horizontal Augering	187.60	
33 05 07 13-0009	LF	16" Diameter Horizontal Augering	224.11	
33 05 07 13-0010	LF	20" Diameter Horizontal Augering	387.79	
33 05 07 13-0011	LF	24" Diameter Horizontal Augering	479.99	
33 05 07 13-0012	LF	30" Diameter Horizontal Augering	592.03	
33 05 07 13-0013	LF	36" Diameter Horizontal Augering	676.40	
33 05 07 13-0014	LF	42" Diameter Horizontal Augering	859.37	
33 05 07 13-0015	LF	48" Diameter Horizontal Augering	925.99	
33 05 07 13-0016	LF	54" Diameter Horizontal Augering	1,007.05	
33 05 07 13-0017	LF	60" Diameter Horizontal Augering	1,055.78	
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,525.39	
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,979.68	
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,798.10	

33 05 07 13-0021 Horizontal Directional Boring *(33 05 07 13)*

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	14.86	
		For Horizontal Boring Through Rock, Add	*10.40*	
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground	22.29	
		For Horizontal Boring Through Rock, Add	*15.60*	
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground	30.97	
		For Horizontal Boring Through Rock, Add	*21.68*	
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground	38.40	
		For Horizontal Boring Through Rock, Add	*26.88*	
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground	45.83	
		For Horizontal Boring Through Rock, Add	*32.08*	
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground	53.26	
		For Horizontal Boring Through Rock, Add	*37.28*	
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground	61.93	
		For Horizontal Boring Through Rock, Add	*43.35*	
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground	75.55	
		For Horizontal Boring Through Rock, Add	*52.89*	
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground	81.84	
		For Horizontal Boring Through Rock, Add	*57.29*	
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground	88.14	
		For Horizontal Boring Through Rock, Add	*61.70*	
33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground	182.56	
		For Horizontal Boring Through Rock, Add	*127.79*	
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground	283.57	
		For Horizontal Boring Through Rock, Add	*198.50*	
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground	432.27	
		For Horizontal Boring Through Rock, Add	*302.59*	
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground	691.63	
		For Horizontal Boring Through Rock, Add	*484.14*	
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,724.93	
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,525.39	
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,979.68	

33 05 07 23 Utility Boring and Jacking *(33 05 07)*

33 05 07 23-0001 Horizontal Jacking *(33 05 07 23)*

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking	74.13	
		For Horizontal Jacking Through Rock, Add	*32.98*	
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking	88.78	
		For Horizontal Jacking Through Rock, Add	*39.80*	
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking	119.72	
		For Horizontal Jacking Through Rock, Add	*54.59*	
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking	154.74	
		For Horizontal Jacking Through Rock, Add	*70.50*	
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking	209.29	
		For Horizontal Jacking Through Rock, Add	*96.66*	
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking	307.04	
		For Horizontal Jacking Through Rock, Add	*141.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking	369.76	
		For Horizontal Jacking Through Rock, Add	*169.45*	
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking	441.43	
		For Horizontal Jacking Through Rock, Add	*202.43*	
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking	676.33	
		For Horizontal Jacking Through Rock, Add	*351.39*	
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking	1,177.26	
		For Horizontal Jacking Through Rock, Add	*394.36*	
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking	1,358.65	
		For Horizontal Jacking Through Rock, Add	*486.96*	
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking	1,532.07	
		For Horizontal Jacking Through Rock, Add	*556.79*	
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking	1,644.72	
		For Horizontal Jacking Through Rock, Add	*601.27*	
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking	1,784.94	
		For Horizontal Jacking Through Rock, Add	*647.85*	
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking	1,903.28	
		For Horizontal Jacking Through Rock, Add	*705.07*	
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	2,724.93	
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	3,525.39	
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,979.68	
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,798.10	

33 05 07 24 Casing Piping for Utility Jacking *(33 05 07)*

33 05 07 24-0001 Casing Pipe *(33 05 07 24)*

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

33 05 07 24-0002 Steel Pipe *(33 05 07 24-0001)*

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.30	
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	25.71	
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	27.83	
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	29.99	
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	38.22	
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	43.35	
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	48.48	

33 05 07 24-0010 Polyethylene Pipe *(33 05 07 24-0001)*

Note: Includes detectable tracer wire.

33 05 07 24-0011	LF	3/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	5.99	
33 05 07 24-0012	LF	1" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	6.58	
33 05 07 24-0013	LF	1-1/4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.14	
33 05 07 24-0014	LF	1-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	7.63	
33 05 07 24-0015	LF	2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.17	
33 05 07 24-0016	LF	2-1/2" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	8.73	
33 05 07 24-0017	LF	3" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	9.30	
33 05 07 24-0018	LF	4" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	11.26	
33 05 07 24-0019	LF	5" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	12.46	
33 05 07 24-0020	LF	6" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	13.67	
33 05 07 24-0021	LF	8" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	17.77	
33 05 07 24-0022	LF	10" Polyethylene Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	24.14	

33 05 09 Piping Specials for Utilities *(33 05)*

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MINOR
CSI UOM DESCRIPTION — TOTAL DIRECT UNIT COST — DEMOLITION UNIT COST

33 05 09 23 Adapters for Utility Piping *(33 05 09)*
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

33 05 09 33 Thrust Restraint for Utility Piping *(33 05 09)*
See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1165 for slip-on restraints, 33 14 13 13-1181 for slip-on restraint harnesses.

33 05 16 Cast-Iron Utility Pipe *(33 05)*
See CSI section 22 13 16 00-0019 for cast iron utility piping.

33 05 17 Copper Utility Pipe and Tubing *(33 05)*
See CSI section 33 14 13 39-0000 for copper utility piping.

33 05 19 Ductile-Iron Utility Pipe *(33 05)*
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

33 05 24 Steel Utility Pipe *(33 05)*

33 05 24 23 Steel Pipe for Water Service *(33 05 24)*
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

33 05 27 Corrugated Metal Utility Pipe *(33 05)*

33 05 27 13 Corrugated Metal Culvert Pipe *(33 05 27)*
See CSI section 33 42 11 00-0468 for corrugated metal culvert pipe.

33 05 27 23 Corrugated Metal Slotted Pipe *(33 05 27)*
See CSI section 33 41 16 13-0085 for corrugated metal slotted pipe.

33 05 27 33 Corrugated Metal Culvert Arch Pipe *(33 05 27)*
See CSI section 33 42 11 00-0812 for corrugated metal culvert arch pipe.

33 05 31 Thermoplastic Utility Pipe *(33 05)*

33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe *(33 05 31)*
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

33 05 31 13 Polyvinyl Chloride Pressure Pipe *(33 05 31)*
See CSI section 33 14 13 23-0001 for polyvinyl chloride pressure pipe.

33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905) *(33 05 31)*
See CSI section 33 14 13 23-0285 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

33 05 33 Polyethylene Utility Pipe *(33 05)*

33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe *(33 05 33)*
See CSI section 33 42 11 00-0209 for corrugated-wall smooth interior HDPE gravity pipe.

33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906) *(33 05 33)*
See CSI section 33 14 13 23-0540 for AWWA C906 high-density polyethylene pipe.

33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 42 11 00-0231 for corrugated perforated HDPE drainage pipe.

33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe *(33 05 33)*
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

33 05 33 53 HDPE Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe *(33 05 33)*
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.

33 05 33 63 HDPE Communication Duct *(33 05 33)*

33 05 33 63-0001 ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine *(33 05 33 63)*
Note: Excludes boring.

33 05 33 63-0002	LF	1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.86	
		For Up To 250, Add	*0.13*	
		For >250 To 500, Add	*0.08*	
33 05 33 63-0003	LF	1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.33	
		For Up To 250, Add	*0.15*	
		For >250 To 500, Add	*0.10*	
33 05 33 63-0004	LF	1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.69	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0005	LF	2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.16	
		For Up To 250, Add	*0.21*	
		For >250 To 500, Add	*0.14*	
33 05 33 63-0006	LF	3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	6.98	
		For Up To 250, Add	*0.44*	
		For >250 To 500, Add	*0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 33 63-0007	LF	4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	8.86	
		For Up To 250, Add	*0.67*	
		For >250 To 500, Add	*0.45*	
33 05 33 63-0008	LF	1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	3.95	
		For Up To 250, Add	*0.14*	
		For >250 To 500, Add	*0.09*	
33 05 33 63-0009	LF	1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.49	
		For Up To 250, Add	*0.18*	
		For >250 To 500, Add	*0.12*	
33 05 33 63-0010	LF	1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	4.82	
		For Up To 250, Add	*0.20*	
		For >250 To 500, Add	*0.13*	
33 05 33 63-0011	LF	2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	5.50	
		For Up To 250, Add	*0.26*	
		For >250 To 500, Add	*0.17*	
33 05 33 63-0012	LF	3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	7.73	
		For Up To 250, Add	*0.55*	
		For >250 To 500, Add	*0.37*	
33 05 33 63-0013	LF	4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smooth Interior Wall HDPE Conduit, Pulled In Place By Boring Machine	9.80	
		For Up To 250, Add	*0.81*	
		For >250 To 500, Add	*0.54*	

33 05 39 Concrete Pipe *(33 05)*

33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301) *(33 05 39)*

See CSI section 33 42 11 00-0062 for prestressed concrete pressure pipe.

33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts *(33 05 39)*

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

33 05 41 Vitrified Clay Utility Pipe *(33 05)*

See CSI section 33 42 11 00-0335 for vitrified clay piping.

33 05 61 Concrete Manholes *(33 05)*

33 05 61 00-0001 Manholes *(33 05 61)*

33 05 61 00-0002 Precast Concrete Manholes *(33 05 61 00-0001)*

Note: Includes base, riser(s), reducer and openings. Excludes excavation, aggregate, backfill and frame/cover. See CSI section 33 05 84 00-0002 for top slabs.

33 05 61 00-0003 3' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0004	EA	4' Deep, 3' Diameter, Precast Concrete Manhole	1,769.53	314.50
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0005	EA	6' Deep, 3' Diameter, Precast Concrete Manhole	2,410.93	451.74
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0006	EA	8' Deep, 3' Diameter, Precast Concrete Manhole	3,246.72	686.18
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0007	VLF	Riser For 3' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	343.57	80.05
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0008	VLF	Drop Collar For 3' Diameter, Precast Concrete Manhole	370.48	80.05
33 05 61 00-0009	EA	Drop Base For 3' Diameter, Precast Concrete Manhole	594.44	80.05
33 05 61 00-0010	EA	Extended Base Slab For 3' Diameter, Precast Concrete Manhole	474.17	80.05
33 05 61 00-0011	EA	Precast Channel For 3' Diameter, Precast Concrete Manhole	679.01	80.05

33 05 61 00-0012 4' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0013	EA	4' Deep, 4' Diameter, Precast Concrete Manhole	2,732.68	360.24
		For Bitumastic Coating, Add	*82.02*	
		For Epoxy Coating, Add	*156.73*	
33 05 61 00-0014	EA	6' Deep, 4' Diameter, Precast Concrete Manhole	3,644.40	491.76
		For Bitumastic Coating, Add	*123.03*	
		For Epoxy Coating, Add	*235.10*	
33 05 61 00-0015	EA	8' Deep, 4' Diameter, Precast Concrete Manhole	4,785.77	743.36
		For Bitumastic Coating, Add	*164.04*	
		For Epoxy Coating, Add	*313.46*	
33 05 61 00-0016	VLF	Riser For 4' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	508.74	94.35
		For Bitumastic Coating, Add	*20.50*	
		For Epoxy Coating, Add	*39.18*	
33 05 61 00-0017	VLF	Drop Collar For 4' Diameter, Precast Concrete Manhole	556.11	94.35
33 05 61 00-0018	EA	Drop Base For 4' Diameter, Precast Concrete Manhole	950.28	94.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0019	EA	Extended Base Slab For 4' Diameter, Precast Concrete Manhole	738.61	94.35
33 05 61 00-0020	EA	Precast Channel For 4' Diameter, Precast Concrete Manhole	1,099.16	94.35

33 05 61 00-0021 5' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0022	EA	4' Deep, 5' Diameter, Precast Concrete Manhole	5,210.91	400.27
		For Bitumastic Coating, Add	*105.68*	
		For Epoxy Coating, Add	*252.67*	
33 05 61 00-0023	EA	6' Deep, 5' Diameter, Precast Concrete Manhole	6,936.04	548.94
		For Bitumastic Coating, Add	*158.51*	
		For Epoxy Coating, Add	*379.00*	
33 05 61 00-0024	EA	8' Deep, 5' Diameter, Precast Concrete Manhole	8,915.73	823.41
		For Bitumastic Coating, Add	*211.35*	
		For Epoxy Coating, Add	*505.33*	
33 05 61 00-0025	VLF	Riser For 5' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	921.56	102.93
		For Bitumastic Coating, Add	*26.42*	
		For Epoxy Coating, Add	*63.17*	

33 05 61 00-0026 6' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0027	EA	4' Deep, 6' Diameter, Precast Concrete Manhole	7,017.89	446.01
		For Bitumastic Coating, Add	*120.98*	
		For Epoxy Coating, Add	*295.81*	
33 05 61 00-0028	EA	6' Deep, 6' Diameter, Precast Concrete Manhole	9,132.50	606.13
		For Bitumastic Coating, Add	*181.48*	
		For Epoxy Coating, Add	*443.71*	
33 05 61 00-0029	EA	8' Deep, 6' Diameter, Precast Concrete Manhole	11,532.11	914.91
		For Bitumastic Coating, Add	*241.97*	
		For Epoxy Coating, Add	*591.61*	
33 05 61 00-0030	VLF	Riser For 6' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,122.38	114.36
		For Bitumastic Coating, Add	*30.25*	
		For Epoxy Coating, Add	*73.95*	

33 05 61 00-0031 7' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0032	EA	4' Deep, 7' Diameter, Precast Concrete Manhole	11,123.27	491.76
		For Bitumastic Coating, Add	*257.28*	
		For Epoxy Coating, Add	*516.90*	
33 05 61 00-0033	EA	6' Deep, 7' Diameter, Precast Concrete Manhole	14,374.23	670.74
		For Bitumastic Coating, Add	*385.91*	
		For Epoxy Coating, Add	*775.35*	
33 05 61 00-0034	EA	8' Deep, 7' Diameter, Precast Concrete Manhole	17,938.53	1,006.39
		For Bitumastic Coating, Add	*514.55*	
		For Epoxy Coating, Add	*1,033.80*	
33 05 61 00-0035	VLF	Riser For 7' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	1,698.10	125.80
		For Bitumastic Coating, Add	*64.32*	
		For Epoxy Coating, Add	*129.22*	

33 05 61 00-0036 8' Diameter, Precast Concrete Manholes *(33 05 61 00-0002)*

33 05 61 00-0037	EA	4' Deep, 8' Diameter, Precast Concrete Manhole	16,138.65	566.10
		For Bitumastic Coating, Add	*304.16*	
		For Epoxy Coating, Add	*630.05*	
33 05 61 00-0038	EA	6' Deep, 8' Diameter, Precast Concrete Manhole	20,915.37	771.95
		For Bitumastic Coating, Add	*456.23*	
		For Epoxy Coating, Add	*945.08*	
33 05 61 00-0039	EA	8' Deep, 8' Diameter, Precast Concrete Manhole	26,052.34	1,157.93
		For Bitumastic Coating, Add	*608.31*	
		For Epoxy Coating, Add	*1,260.11*	
33 05 61 00-0040	VLF	Riser For 8' Diameter, Precast Concrete Manhole Note: For depths greater than 8'.	2,468.42	142.96
		For Bitumastic Coating, Add	*76.04*	
		For Epoxy Coating, Add	*157.51*	

33 05 63 Concrete Vaults and Chambers *(33 05)*

33 05 63 00-0001 Underground Utility Vaults And Structures *(33 05 63)*

See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.

33 05 63 00-0002 Precast Concrete Underground Utility Vault *(33 05 63 00-0001)*

Note: Sizes given are for inside dimensions.

33 05 63 00-0003 6' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*

33 05 63 00-0004	EA	4' x 4' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	3,729.71	
33 05 63 00-0005	EA	4' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,861.70	
33 05 63 00-0006	EA	5' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,020.63	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0007	EA	5' x 12' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,261.16	
33 05 63 00-0008	EA	6' x 6' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,213.00	
33 05 63 00-0009	EA	6' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,563.13	
33 05 63 00-0010	EA	6' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,914.45	
33 05 63 00-0011	EA	6' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,879.64	
33 05 63 00-0012	EA	6' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	12,879.64	
33 05 63 00-0013	EA	6' x 16' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,217.52	
33 05 63 00-0014	EA	8' x 8' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,133.78	
33 05 63 00-0015	EA	8' x 10' x 6' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,703.27	
33 05 63 00-0016	EA	8' x 12' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,299.40	
33 05 63 00-0017	EA	8' x 14' x 6' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,219.39	
33 05 63 00-0018		**7' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0019	EA	4' x 4' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,128.49	
33 05 63 00-0020	EA	4' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,360.72	
33 05 63 00-0021	EA	4' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,556.96	
33 05 63 00-0022	EA	5' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,724.78	
33 05 63 00-0023	EA	5' x 12' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,059.92	
33 05 63 00-0024	EA	6' x 6' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	6,813.43	
33 05 63 00-0025	EA	6' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,221.12	
33 05 63 00-0026	EA	6' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,718.87	
33 05 63 00-0027	EA	6' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	14,006.23	
33 05 63 00-0028	EA	6' x 16' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,594.58	
33 05 63 00-0029	EA	8' x 8' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,885.21	
33 05 63 00-0030	EA	8' x 10' x 7' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	11,548.22	
33 05 63 00-0031	EA	8' x 12' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,551.89	
33 05 63 00-0032	EA	8' x 14' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,595.31	
33 05 63 00-0033	EA	10' x 10' x 7' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	16,801.52	
33 05 63 00-0034		**8' High Precast Concrete Underground Utility Vault** *(33 05 63 00-0002)*		
33 05 63 00-0035	EA	4' x 4' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	4,481.15	
33 05 63 00-0036	EA	4' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	5,801.29	
33 05 63 00-0037	EA	5' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,428.89	
33 05 63 00-0038	EA	5' x 12' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,857.54	
33 05 63 00-0039	EA	6' x 6' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,339.59	
33 05 63 00-0040	EA	6' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,877.91	
33 05 63 00-0041	EA	6' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,416.24	
33 05 63 00-0042	EA	6' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	15,132.79	
33 05 63 00-0043	EA	6' x 16' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,971.71	
33 05 63 00-0044	EA	8' x 8' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,635.52	
33 05 63 00-0045	EA	8' x 10' x 8' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	12,393.14	
33 05 63 00-0046	EA	8' x 12' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	17,803.14	
33 05 63 00-0047	EA	8' x 14' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,972.42	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0048	EA	10' x 10' x 8' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	18,053.62	
33 05 63 00-0049		10' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0050	EA	6' x 6' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	7,902.92	
33 05 63 00-0051	EA	6' x 8' x 10' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	9,534.70	
33 05 63 00-0052	EA	10' x 10' x 10' Precast Concrete Underground Utility Vault Note: 8" thick walls and top.	19,304.81	
33 05 63 00-0053		12' High Precast Concrete Underground Utility Vault *(33 05 63 00-0002)*		
33 05 63 00-0054	EA	6' x 6' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	8,466.21	
33 05 63 00-0055	EA	6' x 8' x 12' Precast Concrete Underground Utility Vault Note: 6" thick walls and 8" thick top.	10,192.66	
33 05 63 00-0056		Meter Pit *(33 05 63 00-0001)*		
33 05 63 00-0057		Precast Concrete Meter Pit *(33 05 63 00-0056)*		
33 05 63 00-0058	EA	4' x 4' x 4' Deep Precast Concrete Meter Pit	3,794.13	
33 05 63 00-0059	EA	4' x 4' x 6' Deep Precast Concrete Meter Pit	5,159.54	
33 05 63 00-0060	EA	4' x 4' x 8' Deep Precast Concrete Meter Pit	6,499.34	
33 05 63 00-0061	EA	4' x 4' x 10' Deep Precast Concrete Meter Pit	8,064.97	
33 05 63 00-0062	EA	4' x 4' x 15' Deep Precast Concrete Meter Pit	11,189.36	
33 05 63 00-0063	EA	6' x 6' x 4' Deep Precast Concrete Meter Pit	5,767.21	
33 05 63 00-0064	EA	6' x 6' x 6' Deep Precast Concrete Meter Pit	8,064.97	
33 05 63 00-0065	EA	6' x 6' x 8' Deep Precast Concrete Meter Pit	10,411.78	
33 05 63 00-0066	EA	6' x 6' x 10' Deep Precast Concrete Meter Pit	12,988.23	
33 05 63 00-0067	EA	6' x 6' x 15' Deep Precast Concrete Meter Pit	18,561.32	
33 05 63 00-0068		Handhole Or Pull Box Enclosures *(33 05 63 00-0001)*		
33 05 63 00-0069		Polymer Concrete Handhole Enclosures *(33 05 63 00-0068)*		
33 05 63 00-0070		Polymer Concrete Handhole Enclosures *(33 05 63 00-0069)* Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.		
33 05 63 00-0071		Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0070)*		
33 05 63 00-0072		Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0071)*		
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	397.06	24.94
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	331.98	55.39
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	507.35	83.09
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	594.05	83.09
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	565.40	83.09
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	690.45	83.09
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	671.58	83.09
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	924.79	83.09
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,315.83	110.78
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,860.76	110.78
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,178.02	152.32
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,348.67	152.32
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,236.42	152.32
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,256.85	166.17
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,815.83	166.17
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,272.95	166.17
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	3,354.12	166.17
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,814.58	257.93
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,655.88	257.93

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0092		**Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0071)*		
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	510.33	24.94
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	642.25	83.09
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	781.82	83.09
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	719.35	83.09
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	826.22	83.09
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	854.25	83.09
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,109.03	83.09
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,464.89	152.32
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	1,635.54	152.32
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,523.32	152.32
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,149.81	257.93
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	2,997.51	257.93
33 05 63 00-0105		**Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0070)*		
33 05 63 00-0106		**Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	656.09	24.94
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.57	24.94
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	431.69	83.09
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	492.18	83.09
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	148.61	24.94
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	234.34	24.94
33 05 63 00-0113	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	383.14	24.94
33 05 63 00-0114	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	401.15	24.94
33 05 63 00-0115	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	325.70	55.39
33 05 63 00-0116	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	353.32	55.39
33 05 63 00-0117	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	230.66	24.94
33 05 63 00-0118	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	264.40	24.94
33 05 63 00-0119	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	350.45	55.39
33 05 63 00-0120	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	396.89	55.39
33 05 63 00-0121	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	366.83	55.39
33 05 63 00-0122	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	434.50	83.09
33 05 63 00-0123	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	480.05	83.09
33 05 63 00-0124	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	513.93	83.09
33 05 63 00-0125	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	564.94	83.09
33 05 63 00-0126	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	666.68	83.09
33 05 63 00-0127	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	728.39	83.09
33 05 63 00-0128	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	795.92	83.09
33 05 63 00-0129	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	838.38	83.09
33 05 63 00-0130	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	995.73	110.78
33 05 63 00-0131	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	993.16	152.32
33 05 63 00-0132	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,288.91	152.32
33 05 63 00-0133	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,562.00	152.32
33 05 63 00-0134	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,734.46	152.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0135	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,906.01	152.32
33 05 63 00-0136	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,142.80	257.93
33 05 63 00-0137	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,538.21	257.93
33 05 63 00-0138	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,757.25	257.93
33 05 63 00-0139	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,176.10	257.93
33 05 63 00-0140	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,171.80	257.93
33 05 63 00-0141	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,328.15	257.93
33 05 63 00-0142	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,628.83	257.93
33 05 63 00-0143	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,405.82	276.36
33 05 63 00-0144	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,618.11	276.36
33 05 63 00-0145	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,889.14	276.36
33 05 63 00-0146	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,997.59	276.36
33 05 63 00-0147	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,035.29	276.36
33 05 63 00-0148	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,448.26	276.36
33 05 63 00-0149	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,646.25	276.36
33 05 63 00-0150	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,516.42	276.36
33 05 63 00-0151	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,963.09	294.78
33 05 63 00-0152	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,909.87	294.78
33 05 63 00-0153	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,320.86	294.78

33 05 63 00-0154 Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*

33 05 63 00-0155	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	588.74	83.09
33 05 63 00-0156	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	678.48	83.09
33 05 63 00-0157	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	256.17	24.94
33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	373.34	24.94
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	502.86	24.94
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	520.89	24.94
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure	443.63	55.39
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	462.85	55.39
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	488.55	55.39
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	347.94	24.94
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	412.44	24.94
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	487.93	55.39
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	534.37	55.39
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	505.77	55.39
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	587.88	83.09
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	633.99	83.09
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	696.95	83.09
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	747.64	83.09
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	849.08	83.09
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.06	83.09
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	978.30	83.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,021.06	83.09
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,248.07	110.78
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,280.05	152.32
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,575.46	152.32
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,848.25	152.32
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,020.44	152.32
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,192.55	152.32
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,870.28	257.93
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,089.64	257.93
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,508.17	257.93
33 05 63 00-0186		Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	538.59	83.09
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	630.82	83.09
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	187.61	24.94
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	313.14	24.94
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	452.76	24.94
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	471.12	24.94
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	410.65	55.39
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	464.10	55.39
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	273.17	24.94
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	436.91	55.39
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	503.50	55.39
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	454.22	55.39
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	580.81	83.09
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	671.85	83.09
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	702.12	83.09
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	774.21	83.09
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	840.52	83.09
33 05 63 00-0204	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	903.13	83.09
33 05 63 00-0205	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,015.23	83.09
33 05 63 00-0206	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,030.86	83.09
33 05 63 00-0207	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,267.63	110.78
33 05 63 00-0208	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,305.40	152.32
33 05 63 00-0209	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,631.64	152.32
33 05 63 00-0210	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,954.29	152.32
33 05 63 00-0211	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,168.59	152.32
33 05 63 00-0212	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,382.89	152.32
33 05 63 00-0213	EA	36" x 36", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,542.07	257.93
33 05 63 00-0214	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,937.51	257.93
33 05 63 00-0215	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,173.64	257.93
33 05 63 00-0216	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,592.20	257.93
33 05 63 00-0217	EA	30" x 60", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,776.82	257.93
33 05 63 00-0218	EA	30" x 60", 30" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,834.63	257.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0219	EA	30" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,395.49	257.93
33 05 63 00-0220	EA	36" x 60", 19" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,139.76	276.36
33 05 63 00-0221	EA	36" x 60", 24" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,249.45	276.36
33 05 63 00-0222	EA	36" x 60", 31" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,560.61	276.36
33 05 63 00-0223	EA	36" x 60", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,796.12	276.36
33 05 63 00-0224	EA	36" x 72", 21" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,481.33	276.36
33 05 63 00-0225	EA	36" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,323.58	276.36
33 05 63 00-0226	EA	48" x 48", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,743.56	276.36
33 05 63 00-0227	EA	48" x 48", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,121.47	276.36
33 05 63 00-0228	EA	48" x 72", 36" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,002.58	294.78
33 05 63 00-0229	EA	48" x 72", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,949.74	294.78
33 05 63 00-0230	EA	48" x 96", 48" Depth, 22,500 Lb. Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,051.65	294.78
33 05 63 00-0231		Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures *(33 05 63 00-0105)*		
33 05 63 00-0232	EA	13" x 24", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	695.62	83.09
33 05 63 00-0233	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	817.48	83.09
33 05 63 00-0234	EA	6" x 8", 6" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	294.30	24.94
33 05 63 00-0235	EA	12" x 12", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	451.87	24.94
33 05 63 00-0236	EA	8" x 18", 7" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	572.23	24.94
33 05 63 00-0237	EA	8" x 18", 8" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	590.83	24.94
33 05 63 00-0238	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	548.13	55.39
33 05 63 00-0239	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	601.25	55.39
33 05 63 00-0240	EA	8" x 8", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	425.63	24.94
33 05 63 00-0241	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	573.77	55.39
33 05 63 00-0242	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	640.36	55.39
33 05 63 00-0243	EA	11" x 20", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	553.92	55.39
33 05 63 00-0244	EA	13" x 24", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	734.81	83.09
33 05 63 00-0245	EA	13" x 24", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	825.85	83.09
33 05 63 00-0246	EA	17" x 30", 12" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	884.80	83.09
33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	956.91	83.09
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,023.20	83.09
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,085.83	83.09
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,197.96	83.09
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,213.53	83.09
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,519.65	110.78
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,592.27	152.32
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,918.22	152.32
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,240.51	152.32
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,454.97	152.32
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,669.44	152.32
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,269.88	257.93
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,506.33	257.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 Lb. Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,924.59	257.93
33 05 63 00-0261		**Footed, Straight Sides, Polymer Concrete Handhole Enclosures** *(33 05 63 00-0105)*		
33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	576.88	83.09
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	389.85	55.39
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	441.19	55.39
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	510.24	83.09
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	406.67	55.39
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 Lb. Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure	455.84	55.39
33 05 63 00-0268		**Polymer Concrete Handhole Enclosure Extensions** *(33 05 63 00-0069)*		
		Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.		
33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	414.66	83.09
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	468.16	83.09
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	532.63	110.78
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	585.16	110.78
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	686.81	152.32
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,226.59	257.93
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,169.16	257.93
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,181.69	257.93
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	1,612.30	276.36
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	2,595.80	294.78
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension	3,430.10	294.78
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	695.41	83.09
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	728.09	83.09
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	772.11	110.78
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	825.21	110.78
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	949.48	152.32
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension	1,540.35	257.93
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	535.62	83.09
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	600.09	83.09
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	779.32	152.32
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 Lb. Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension	1,550.81	276.36
33 05 63 00-0290		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0069)*		
33 05 63 00-0291		**Polymer Concrete Handhole Enclosure Covers** *(33 05 63 00-0290)*		
33 05 63 00-0292	EA	5" x 16", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	153.43	11.09
33 05 63 00-0293	EA	10" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	155.49	11.09
33 05 63 00-0294	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	143.71	11.09
33 05 63 00-0295	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	155.89	11.09
33 05 63 00-0296	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	157.47	11.08
33 05 63 00-0297	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	181.46	11.08
33 05 63 00-0298	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	211.13	11.08
33 05 63 00-0299	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,405.98	33.16
33 05 63 00-0300	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,229.02	33.16
33 05 63 00-0301	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,845.39	33.16
33 05 63 00-0302	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	1,866.40	33.16
33 05 63 00-0303	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,115.80	33.16
33 05 63 00-0304	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	2,306.30	33.16
33 05 63 00-0305	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	3,712.76	33.16
33 05 63 00-0306	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	130.63	11.08
33 05 63 00-0307	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	189.53	11.08
33 05 63 00-0308	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	192.26	11.08
33 05 63 00-0309	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	243.30	11.08
33 05 63 00-0310	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	182.21	11.08
33 05 63 00-0311	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	288.82	11.08
33 05 63 00-0312	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	225.59	11.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0313	EA	27" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	468.71	11.08
33 05 63 00-0314	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	407.29	16.62
33 05 63 00-0315	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	512.52	16.62
33 05 63 00-0316	EA	39" Round, 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	661.56	19.39
33 05 63 00-0317	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	931.06	25.79
33 05 63 00-0318	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	966.53	49.13
33 05 63 00-0319	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	246.36	11.08
33 05 63 00-0320	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	353.60	11.08
33 05 63 00-0321	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	403.10	11.08
33 05 63 00-0322	EA	27" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	673.88	11.08
33 05 63 00-0323	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	551.94	16.62
33 05 63 00-0324	EA	39" Round, 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	937.09	19.39
33 05 63 00-0325	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,229.52	25.79
33 05 63 00-0326	EA	30" x 59", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,659.68	33.16
33 05 63 00-0327	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,474.28	33.16
33 05 63 00-0328	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,063.86	33.16
33 05 63 00-0329	EA	48" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,690.89	33.16
33 05 63 00-0330	EA	36" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,576.51	33.16
33 05 63 00-0331	EA	48" x 72", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,916.96	33.16
33 05 63 00-0332	EA	48" x 96", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	6,056.45	33.16
33 05 63 00-0333	EA	11" x 18", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	325.81	11.08
33 05 63 00-0334	EA	11" x 20", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	356.79	11.08
33 05 63 00-0335	EA	13" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	471.52	11.08
33 05 63 00-0336	EA	17" x 30", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	538.11	11.08
33 05 63 00-0337	EA	27" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	934.08	11.08
33 05 63 00-0338	EA	24" x 24", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	674.56	16.62
33 05 63 00-0339	EA	24" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	925.25	16.62
33 05 63 00-0340	EA	39" Round, 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,437.69	19.39
33 05 63 00-0341	EA	36" x 36", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,644.99	25.79
33 05 63 00-0342	EA	30" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,710.41	49.13
33 05 63 00-0343	EA	30" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	1,978.89	33.16
33 05 63 00-0344	EA	36" x 60", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	2,767.17	33.16
33 05 63 00-0345	EA	48" x 48", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,875.94	33.16
33 05 63 00-0346	EA	36" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	3,457.49	33.16
33 05 63 00-0347	EA	48" x 72", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	5,737.27	33.16
33 05 63 00-0348	EA	48" x 96", 22,500 Lb. Design Load, Extra Heavy-Duty, Polymer Concrete Handhole Enclosure Cover	8,861.75	33.16

33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets *(33 05 63 00-0290)*

33 05 63 00-0350	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	177.02	11.09
33 05 63 00-0351	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	187.39	11.09
33 05 63 00-0352	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	190.77	11.08
33 05 63 00-0353	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	192.04	11.08
33 05 63 00-0354	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	222.45	11.08
33 05 63 00-0355	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	140.19	11.08
33 05 63 00-0356	EA	11" x 18", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	199.33	11.08
33 05 63 00-0357	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	201.22	11.08
33 05 63 00-0358	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	253.40	11.08
33 05 63 00-0359	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	193.21	11.08
33 05 63 00-0360	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	237.21	11.08
33 05 63 00-0361	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	299.52	11.08
33 05 63 00-0362	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	414.47	16.62
33 05 63 00-0363	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	523.54	16.62
33 05 63 00-0364	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	977.85	49.13
33 05 63 00-0365	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	115.87	11.09
33 05 63 00-0366	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	184.14	11.09
33 05 63 00-0367	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	205.42	11.09
33 05 63 00-0368	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	195.97	11.09
33 05 63 00-0369	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	160.52	11.08
33 05 63 00-0370	EA	11" x 18", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	256.14	11.08
33 05 63 00-0371	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	278.24	11.08
33 05 63 00-0372	EA	13" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	363.99	11.08
33 05 63 00-0373	EA	17" x 30", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	414.39	11.08
33 05 63 00-0374	EA	24" x 24", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	562.04	16.62
33 05 63 00-0375	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	703.75	16.62
33 05 63 00-0376	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	1,290.96	49.13

33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts *(33 05 63 00-0290)*

33 05 63 00-0378	EA	6" x 9", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	92.39	11.09
33 05 63 00-0379	EA	7" x 13", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	110.75	11.09
33 05 63 00-0380	EA	12" x 12", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	135.48	11.09
33 05 63 00-0381	EA	8" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.47	11.09
33 05 63 00-0382	EA	11" x 18", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	146.17	11.08
33 05 63 00-0383	EA	13" x 24", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	174.33	11.08
33 05 63 00-0384	EA	17" x 30", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	202.01	11.08
33 05 63 00-0385	EA	24" x 36", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	494.48	16.62
33 05 63 00-0386	EA	30" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	925.32	49.13
33 05 63 00-0387	EA	30" x 59", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,390.52	33.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0388	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,211.56	33.16
33 05 63 00-0389	EA	48" x 48", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,816.66	33.16
33 05 63 00-0390	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	1,752.67	33.16
33 05 63 00-0391	EA	36" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,099.12	33.16
33 05 63 00-0392	EA	48" x 72", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	2,244.66	33.16
33 05 63 00-0393	EA	48" x 96", 5,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	3,594.32	33.16
33 05 63 00-0394	EA	10" x 15", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	125.40	11.08
33 05 63 00-0395	EA	10" x 16", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	122.34	11.08
33 05 63 00-0396	EA	11" x 20", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	182.92	11.08
33 05 63 00-0397	EA	11" x 21", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	201.47	11.08
33 05 63 00-0398	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	228.65	11.08
33 05 63 00-0399	EA	13" x 24", 8,000 Lb. Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts	172.74	11.08
33 05 63 00-0400	EA	18" x 19", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	193.21	11.08
33 05 63 00-0401	EA	17" x 30", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	275.99	11.08
33 05 63 00-0402	EA	24" x 24", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	398.98	16.62
33 05 63 00-0403	EA	20" x 42", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	500.20	16.62
33 05 63 00-0404	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	494.18	16.62
33 05 63 00-0405	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	893.48	25.79
33 05 63 00-0406	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts	925.32	29.48

33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0408	EA	30" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,448.17	33.16
33 05 63 00-0409	EA	36" x 60", 5,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,101.26	33.16
33 05 63 00-0410	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,214.57	49.13
33 05 63 00-0411	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,613.25	49.13
33 05 63 00-0412	EA	30" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	1,722.40	33.16
33 05 63 00-0413	EA	36" x 60", 15,000 Lb. Design Load, Heavy-Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover	2,350.95	33.16

33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers *(33 05 63 00-0290)*

33 05 63 00-0415	EA	24" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	562.23	16.62
33 05 63 00-0416	EA	36" x 36", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,048.69	25.79
33 05 63 00-0417	EA	30" x 48", 8,000 Lb. Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,095.78	49.13
33 05 63 00-0418	EA	6" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	87.28	11.09
33 05 63 00-0419	EA	8" x 8", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	147.45	11.09
33 05 63 00-0420	EA	12" x 12", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	162.66	11.09
33 05 63 00-0421	EA	8" x 18", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	172.74	11.09
33 05 63 00-0422	EA	10" x 15", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	151.05	11.08
33 05 63 00-0423	EA	11" x 20", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	269.27	11.08
33 05 63 00-0424	EA	24" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	755.52	16.62
33 05 63 00-0425	EA	36" x 36", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,397.28	25.79
33 05 63 00-0426	EA	30" x 48", 15,000 Lb. Design Load, Heavy-Duty, Split, Polymer Concrete Handhole Enclosure Cover	1,463.59	49.13

33 05 63 00-0427 Precast Concrete Handholes With Steel Cover *(33 05 63 00-0068)*

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,090.94	265.68
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*18.00*	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,864.23	398.52
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*114.04*	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,229.48	531.36
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*201.43*	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,329.04	531.36
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*255.44*	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,713.32	664.20
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*308.37*	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	2,878.38	664.20
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*336.84*	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,306.38	797.04
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*394.24*	
33 05 63 00-0435	EA	48" x 48" x 48" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,787.31	929.87
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*544.98*	
33 05 63 00-0436	EA	48" x 72" x 36" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,797.33	797.04
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*583.56*	
33 05 63 00-0437	EA	54" x 38" x 24" Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	3,839.56	797.04
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*413.36*	
33 05 63 00-0438	EA	6" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	820.53	265.68
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0439	EA	9" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	975.89	298.89
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	
33 05 63 00-0440	EA	12" Diameter Precast Concrete Handholes With Steel Cover Note: 8000 To 12000 pound traffic rated top.	1,220.15	332.09
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	*15.00*	

33 05 81 Metallic Castings for Utility Structures *(33 05)*

33 05 81 00-0001 Manhole Accessories *(33 05 81)*

33 05 81 00-0002 Steps For Cast-In-Place Manholes *(33 05 81 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 81 00-0003	EA	Cast Iron Manhole Step For New Manholes	90.94
33 05 81 00-0004	EA	Galvanized Steel Manhole Step For New Manholes	71.36
33 05 81 00-0005	EA	Aluminum Manhole Step For New Manholes	98.99

33 05 81 00-0006 Manhole Covers And Frames *(33 05 81)*

Note: Includes moisture-tight masonry joints and waterproof grouting.

33 05 81 00-0007 Regular Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0008	EA	18" Square, Gray Iron, Manhole Cover With Frame	3,864.00	98.36
		For Ductile Iron Castings, Add	*2,496.66*	
33 05 81 00-0009	EA	18" Diameter, Gray Iron, Manhole Cover With Frame	2,028.60	98.36
		For Ductile Iron Castings, Add	*1,211.88*	
33 05 81 00-0010	EA	24" Diameter, Gray Iron, Manhole Cover With Frame	2,344.77	114.36
		For Ductile Iron Castings, Add	*1,401.17*	
33 05 81 00-0011	EA	24" Square, Gray Iron, Manhole Cover With Frame	3,859.14	126.95
		For Ductile Iron Castings, Add	*2,434.55*	
33 05 81 00-0012	EA	26" Diameter, Gray Iron, Manhole Cover With Frame	3,172.45	137.23
		For Ductile Iron Castings, Add	*1,931.37*	
33 05 81 00-0013	EA	30" Diameter, Gray Iron, Manhole Cover With Frame	3,312.34	142.96
		For Ductile Iron Castings, Add	*2,018.44*	
33 05 81 00-0014	EA	24" Diameter REXUF D400, Ductile Iron Manhole Cover And Frame, County Standard	1,379.03	126.95
		For Ductile Iron Castings, Add	*698.47*	

33 05 81 00-0015 Watertight Type Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0016	EA	20" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,261.69	81.20
		For Ductile Iron Castings, Add	*2,756.94*	
33 05 81 00-0017	EA	22" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,301.20	81.20
		For Ductile Iron Castings, Add	*2,765.97*	
33 05 81 00-0018	EA	24" Diameter, Gray Iron, Watertight Manhole Cover With Frame	4,358.66	94.92
		For Ductile Iron Castings, Add	*2,784.22*	
33 05 81 00-0019	EA	26" Diameter, Gray Iron, Watertight Manhole Cover With Frame	5,236.64	106.36
		For Ductile Iron Castings, Add	*3,376.30*	
33 05 81 00-0020	EA	30" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,122.83	108.64
		For Ductile Iron Castings, Add	*3,985.79*	
33 05 81 00-0021	EA	32" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,463.57	110.93
		For Ductile Iron Castings, Add	*4,220.38*	
33 05 81 00-0022	EA	36" Diameter, Gray Iron, Watertight Manhole Cover With Frame	6,767.99	114.36
		For Ductile Iron Castings, Add	*4,429.38*	

33 05 81 00-0023 Aluminum Manhole Covers And Frames *(33 05 81 00-0006)*

33 05 81 00-0024	EA	12" Square Aluminum Manhole Cover With Frame	1,209.87	32.08
33 05 81 00-0025	EA	18" Square Aluminum Manhole Cover With Frame	2,222.90	35.51
33 05 81 00-0026	EA	24" Square Aluminum Manhole Cover With Frame	3,192.99	41.23

33 05 81 00-0027 Removal And Reinstallation Of Manhole Cover And Frame *(33 05 81 00-0006)*

Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.

33 05 81 00-0028	EA	Removal And Reinstallation Of Manhole Cover And Frame	458.52	

33 05 83 Non-Metallic Accessories for Utility Structures *(33 05)*

33 05 83 00-0001 Manhole Accessories *(33 05 83)*

33 05 83 00-0002 Steps For Cast-In-Place Manholes *(33 05 83 00-0001)*

See CSI section 33 01 30 81-0037 for installation of steps in existing manholes.

33 05 83 00-0003	EA	Polypropylene Manhole Step For New Manholes	54.73	

33 05 83 00-0004 Rainguard Inflow Protectors *(33 05 83)*

33 05 83 00-0005	EA	18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	143.79	23.60
33 05 83 00-0006	EA	22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	168.00	23.60
33 05 83 00-0007	EA	24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	200.82	28.32
33 05 83 00-0008	EA	26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	216.12	28.32
33 05 83 00-0009	EA	30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	269.10	33.03
33 05 83 00-0010	EA	32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors	287.88	33.03

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 05 84 Accessories for Utility Structures *(33 05)*

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001 Manhole Accessories *(33 05 84)*

33 05 84 00-0002 Precast Concrete Manhole Tops *(33 05 84 00-0001)*

33 05 84 00-0003 Precast Concrete Manhole Slab Tops *(33 05 84 00-0002)*

33 05 84 00-0004	EA	3' Diameter x 8" Thick Precast Manhole Top Slab	647.53	85.77
33 05 84 00-0005	EA	4' Diameter x 8" Thick Precast Manhole Top Slab	912.68	92.63
33 05 84 00-0006	EA	5' Diameter x 8" Thick Precast Manhole Top Slab	1,241.89	99.49
33 05 84 00-0007	EA	6' Diameter x 8" Thick Precast Manhole Top Slab	1,490.32	106.36
33 05 84 00-0008	EA	7' Diameter x 8" Thick Precast Manhole Top Slab	2,281.58	114.36
33 05 84 00-0009	EA	8' Diameter x 10" Thick Precast Manhole Top Slab	3,053.85	122.94
33 05 84 00-0010	EA	10' Diameter x 12" Thick Precast Manhole Top Slab	5,223.18	131.52
33 05 84 00-0011	EA	12' Diameter x 12" Thick Precast Manhole Top Slab	7,424.12	141.52

33 05 84 00-0012 Precast Concrete Manhole Cone Tops *(33 05 84 00-0002)*

33 05 84 00-0013	EA	3' Diameter x 8" Thick Precast Manhole Top Cone	1,037.74	107.22
33 05 84 00-0014	EA	3'-6" Diameter x 8" Thick Precast Manhole Top Cone	1,156.36	111.50
33 05 84 00-0015	EA	4' Diameter x 8" Thick Precast Manhole Top Cone	1,275.02	115.79
33 05 84 00-0016	EA	5' Diameter x 8" Thick Precast Manhole Top Cone	1,506.55	122.94
33 05 84 00-0017	EA	6' Diameter x 8" Thick Precast Manhole Top Cone	1,743.84	131.52
33 05 84 00-0018	EA	7' Diameter x 8" Thick Precast Manhole Top Cone	2,781.28	140.09
33 05 84 00-0019	EA	8' Diameter x 10" Thick Precast Manhole Top Cone	3,498.70	154.39

33 05 84 00-0020 Precast Concrete Manhole Reducer Slabs *(33 05 84 00-0002)*

33 05 84 00-0021	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,367.40	99.49
33 05 84 00-0022	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	1,766.03	106.36
33 05 84 00-0023	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	2,339.75	106.36
33 05 84 00-0024	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	3,718.24	106.36
33 05 84 00-0025	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	4,790.67	106.36
33 05 84 00-0026	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab	6,950.24	106.36

33 05 84 00-0027 Pipe To Manhole Connector *(33 05 84 00-0001)*

33 05 84 00-0028 Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors *(33 05 84 00-0027)*

33 05 84 00-0029	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	91.54
33 05 84 00-0030	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	135.04
33 05 84 00-0031	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	152.24
33 05 84 00-0032	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	230.67
33 05 84 00-0033	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	322.53
33 05 84 00-0034	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	426.74
33 05 84 00-0035	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	769.53
33 05 84 00-0036	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,068.92
33 05 84 00-0037	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,687.12
33 05 84 00-0038	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector	1,986.22

33 05 84 00-0039 Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout *(33 05 84 00-0027)*

Note: Fernco CMA.

33 05 84 00-0040	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	117.73
33 05 84 00-0041	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	163.70
33 05 84 00-0042	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	206.89
33 05 84 00-0043	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	249.89
33 05 84 00-0044	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout	289.84

33 05 84 00-0045 Brick And Grout Pipe To Manhole Connector *(33 05 84 00-0027)*

33 05 84 00-0046	EA	Seal Gap Between Pipe And Structure With Brick And Grout	285.84

33 05 84 00-0047 Inverts For Manholes *(33 05 84 00-0001)*

33 05 84 00-0048	EA	Single Channel Concrete Invert For Manholes	451.56
33 05 84 00-0049	EA	Double Channel Concrete Invert For Manholes	652.20
33 05 84 00-0050	EA	Triple Channel Concrete Invert For Manholes	878.06
33 05 84 00-0051	EA	Quad Channel Concrete Invert For Manholes	1,103.87
33 05 84 00-0052	EA	Single Channel Brick Invert For Manholes	691.06
33 05 84 00-0053	EA	Double Channel Brick Invert For Manholes	1,034.30
33 05 84 00-0054	EA	Triple Channel Brick Invert For Manholes	1,383.36
33 05 84 00-0055	EA	Quad Channel Brick Invert For Manholes	1,728.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0056		Protective Coating For New Manholes *(33 05 84 00-0001)*		
33 05 84 00-0057		Polyurethane Protective Coating For New Manholes *(33 05 84 00-0056)*		
33 05 84 00-0058	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior	216.17	
		For 80 Mil Material, Add	*32.55*	
		For 100 Mil Material, Add	*65.11*	
		For 125 Mil Material, Add	*102.94*	
		For 150 Mil Material, Add	*140.76*	
		For 200 Mil Material, Add	*208.77*	
		For 2 To 5 Manholes, Deduct	*-14.63*	
		For 6 To 10 Manholes, Deduct	*-23.86*	
		For >10 Manholes, Deduct	*-47.72*	
33 05 84 00-0059	VLF	60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior	260.76	
		For 80 Mil Material, Add	*38.64*	
		For 100 Mil Material, Add	*77.28*	
		For 125 Mil Material, Add	*122.08*	
		For 150 Mil Material, Add	*166.87*	
		For 200 Mil Material, Add	*247.12*	
		For 2 To 5 Manholes, Deduct	*-17.71*	
		For 6 To 10 Manholes, Deduct	*-28.90*	
		For >10 Manholes, Deduct	*-57.80*	
33 05 84 00-0060	VLF	60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior	288.22	
		For 80 Mil Material, Add	*43.40*	
		For 100 Mil Material, Add	*86.81*	
		For 125 Mil Material, Add	*137.24*	
		For 150 Mil Material, Add	*187.67*	
		For 200 Mil Material, Add	*278.35*	
		For 2 To 5 Manholes, Deduct	*-19.51*	
		For 6 To 10 Manholes, Deduct	*-31.81*	
		For >10 Manholes, Deduct	*-63.62*	
33 05 84 00-0061	VLF	60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior	360.35	
		For 80 Mil Material, Add	*54.28*	
		For 100 Mil Material, Add	*108.56*	
		For 125 Mil Material, Add	*171.63*	
		For 150 Mil Material, Add	*234.71*	
		For 200 Mil Material, Add	*348.11*	
		For 2 To 5 Manholes, Deduct	*-24.39*	
		For 6 To 10 Manholes, Deduct	*-39.77*	
		For >10 Manholes, Deduct	*-79.54*	
33 05 84 00-0062	VLF	60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior	418.81	
		For 80 Mil Material, Add	*64.11*	
		For 100 Mil Material, Add	*128.22*	
		For 125 Mil Material, Add	*202.88*	
		For 150 Mil Material, Add	*277.54*	
		For 200 Mil Material, Add	*412.24*	
		For 2 To 5 Manholes, Deduct	*-28.25*	
		For 6 To 10 Manholes, Deduct	*-46.02*	
		For >10 Manholes, Deduct	*-92.04*	
33 05 84 00-0063		Polyvinyl Chloride (PVC) Liner *(33 05 84 00-0056)*		
		Note: For new manholes and shop applied.		
33 05 84 00-0064	VLF	3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	297.43	
33 05 84 00-0065	VLF	3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	364.59	
33 05 84 00-0066	VLF	4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	444.92	
33 05 84 00-0067	VLF	5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	558.74	
33 05 84 00-0068	VLF	6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole	672.56	
33 05 84 00-0069	SF	Polyvinyl Chloride (PVC) Liner At Structures	45.30	
33 05 84 00-0070		Concrete Grade Extensions/Grade Rings *(33 05 84 00-0001)*		
33 05 84 00-0071		18" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0072	EA	4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings	97.09	
33 05 84 00-0073	EA	6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	106.22	
33 05 84 00-0074	EA	8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	115.34	
33 05 84 00-0075	EA	10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring	124.47	
33 05 84 00-0076		24" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0077	EA	4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	109.04	
33 05 84 00-0078	EA	6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	119.41	
33 05 84 00-0079	EA	8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	129.78	
33 05 84 00-0080	EA	10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring	140.15	
33 05 84 00-0081		30" Diameter, Concrete Grade Extensions/Grade Rings *(33 05 84 00-0070)*		
33 05 84 00-0082	EA	4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	120.72	
33 05 84 00-0083	EA	6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	132.28	
33 05 84 00-0084	EA	8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	143.85	
33 05 84 00-0085	EA	10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring	155.41	

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0086		**Bentonite Collar** *(33 05 84 00-0001)*		
33 05 84 00-0087		**Bentonite Collar At Manhole Connections** *(33 05 84 00-0086)*		
33 05 84 00-0088	EA	Up To 12" Pipe, Bentonite Collar At Manhole Connection	156.34	
33 05 84 00-0089	EA	>12" To 21", Bentonite Collar At Manhole Connection	247.60	
33 05 84 00-0090	EA	>21" To 30" Pipe, Bentonite Collar At Manhole Connection	391.78	
33 05 84 00-0091	EA	>30" To 36" Pipe, Bentonite Collar At Manhole Connection	915.10	
33 05 84 00-0092	EA	>36" To 48" Pipe, Bentonite Collar At Manhole Connection	1,432.28	
33 05 84 00-0093	EA	>48" To 60" Pipe, Bentonite Collar At Manhole Connection	2,602.42	
33 05 84 00-0094		**Expanded Polypropylene (EPP) Finish Ring** *(33 05 84 00-0001)*		
33 05 84 00-0095	EA	34" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	110.70	
33 05 84 00-0096	EA	34" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	113.06	
33 05 84 00-0097	EA	34" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	119.98	
33 05 84 00-0098	EA	34" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	126.90	
33 05 84 00-0099	EA	34" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	133.82	
33 05 84 00-0100	EA	34" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	140.74	
33 05 84 00-0101	EA	34" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	153.13	
33 05 84 00-0102	EA	34" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	123.65	
33 05 84 00-0103	EA	36" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	116.68	
33 05 84 00-0104	EA	36" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	119.21	
33 05 84 00-0105	EA	36" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	126.61	
33 05 84 00-0106	EA	36" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	134.02	
33 05 84 00-0107	EA	36" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	141.42	
33 05 84 00-0108	EA	36" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	148.82	
33 05 84 00-0109	EA	36" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	162.07	
33 05 84 00-0110	EA	36" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	130.54	
33 05 84 00-0111	EA	40" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	130.07	
33 05 84 00-0112	EA	40" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	133.16	
33 05 84 00-0113	EA	40" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	142.40	
33 05 84 00-0114	EA	40" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	151.65	
33 05 84 00-0115	EA	40" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	159.71	
33 05 84 00-0116	EA	40" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	167.77	
33 05 84 00-0117	EA	40" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	181.38	
33 05 84 00-0118	EA	40" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	146.99	
33 05 84 00-0119	EA	46" Diameter OD x 3/4" Height Expanded Polypropylene (EPP) Finish Ring	144.81	
33 05 84 00-0120	EA	46" Diameter OD x 1" Height Expanded Polypropylene (EPP) Finish Ring	148.53	
33 05 84 00-0121	EA	46" Diameter OD x 1-1/4" Height Expanded Polypropylene (EPP) Finish Ring	159.84	
33 05 84 00-0122	EA	46" Diameter OD x 1-1/2" Height Expanded Polypropylene (EPP) Finish Ring	171.16	
33 05 84 00-0123	EA	46" Diameter OD x 1-3/4" Height Expanded Polypropylene (EPP) Finish Ring	179.96	
33 05 84 00-0124	EA	46" Diameter OD x 2" Height Expanded Polypropylene (EPP) Finish Ring	188.76	
33 05 84 00-0125	EA	46" Diameter OD x 2-1/2" Height Expanded Polypropylene (EPP) Finish Ring	202.81	
33 05 84 00-0126	EA	46" Diameter OD x 3/4" To 1-3/4" Angle Height Expanded Polypropylene (EPP) Finish Ring	165.19	
33 05 84 00-0127		**Expanded Polypropylene (EPP) Grade Ring** *(33 05 84 00-0001)*		
33 05 84 00-0128	EA	34" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	140.74	
33 05 84 00-0129	EA	34" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	194.98	
33 05 84 00-0130	EA	34" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	244.58	
33 05 84 00-0131	EA	36" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	148.82	
33 05 84 00-0132	EA	36" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	206.82	
33 05 84 00-0133	EA	36" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	259.87	
33 05 84 00-0134	EA	40" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	167.77	
33 05 84 00-0135	EA	40" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	231.59	
33 05 84 00-0136	EA	40" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	290.44	
33 05 84 00-0137	EA	46" Diameter OD x 2" Height, Expanded Polypropylene (EPP) Grade Ring	188.76	
33 05 84 00-0138	EA	46" Diameter OD x 4" Height, Expanded Polypropylene (EPP) Grade Ring	259.18	
33 05 84 00-0139	EA	46" Diameter OD x 6" Height, Expanded Polypropylene (EPP) Grade Ring	324.56	
33 05 84 00-0140		**Waste Water Collection System Taps** *(33 05 84)* Note: For tapping existing structures only. Includes grout.		
33 05 84 00-0141		**Brick Manhole Taps** *(33 05 84 00-0140)*		
33 05 84 00-0142	EA	4" Tap In 6" Brick Manhole	591.25	
33 05 84 00-0143	EA	6" Tap In 6" Brick Manhole	660.04	
33 05 84 00-0144	EA	8" Tap In 6" Brick Manhole	727.60	
33 05 84 00-0145	EA	10" Tap In 6" Brick Manhole	795.03	
33 05 84 00-0146	EA	12" Tap In 6" Brick Manhole	878.06	
33 05 84 00-0147	EA	15" Tap In 6" Brick Manhole	945.35	
33 05 84 00-0148		**Precast Concrete Manhole Tap** *(33 05 84 00-0140)*		
33 05 84 00-0149	EA	4" Tap In Existing Precast Concrete Manhole	859.94	
33 05 84 00-0150	EA	6" Tap In Existing Precast Concrete Manhole	963.13	
33 05 84 00-0151	EA	8" Tap In Existing Precast Concrete Manhole	1,077.33	
33 05 84 00-0152	EA	10" Tap In Existing Precast Concrete Manhole	1,178.48	
33 05 84 00-0153	EA	12" Tap In Existing Precast Concrete Manhole	1,279.42	
33 05 84 00-0154	EA	15" Tap In Existing Precast Concrete Manhole	1,382.80	

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0155	EA	18" Tap In Existing Precast Concrete Manhole		1,592.86	
33 05 84 00-0156	EA	24" Tap In Existing Precast Concrete Manhole		2,048.41	

33 05 97 Identification and Signage for Utilities *(33 05)*

33 05 97 16 Markers for Utility Identification *(33 05 97)*

33 05 97 16-0001 Reflective Sheeting Delineators *(33 05 97 16)*

33 05 97 16-0002	EA	Delineator, Single Unit One Way On Post, 3" Diameter or 3" x 3" Square		50.34
33 05 97 16-0003	EA	Delineator, Single Unit Back To Back On Post, 3" Diameter or 3" x 3" Square		53.93
33 05 97 16-0004	EA	Delineator, Single Unit Two Way On Post, 3" Diameter or 3" x 3" Square		61.12
33 05 97 16-0005	EA	Delineator, Single Unit Three Way On Post, 3" Diameter or 3" x 3" Square		64.72
33 05 97 16-0006	EA	Delineator, Single Unit Four Way On Post, 3" Diameter or 3" x 3" Square		68.31
33 05 97 16-0007	EA	Delineator, Double Unit On Post, 3" Diameter or 3" x 3" Square		58.42
33 05 97 16-0008	EA	Delineator, Single Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		51.24
33 05 97 16-0009	EA	Delineator, Double Unit Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		54.83
33 05 97 16-0010	EA	Delineator, Single Unit, Back To Back, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		54.83
33 05 97 16-0011	EA	Delineator, Single Unit, Two Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		58.42
33 05 97 16-0012	EA	Delineator, Single Unit, Three Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		62.02
33 05 97 16-0013	EA	Delineator, Single Unit, Four Way, Band Or Bracket Mounted, 3" Diameter or 3" x 3" Square		65.61
33 05 97 16-0014	EA	Delineator, White, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		97.97
33 05 97 16-0015	EA	Delineator, Single Unit Three Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		64.72
33 05 97 16-0016	EA	Delineator, White, Double Unit On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		102.46
33 05 97 16-0017	EA	Delineator, Yellow, Single Unit, One Way On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		97.97
33 05 97 16-0018	EA	Delineator, Yellow, Single Unit, Back To Back On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		101.56
33 05 97 16-0019	EA	Delineator, Yellow, Double Unit, On 48" Ground Mounted (Driven) Flexible Post Or 30" Surface Mounted, 3" Diameter or 3" x 3" Square		102.46
33 05 97 16-0020	EA	Relocate Delineator		63.33

33 05 97 16-0021 Reference Markers *(33 05 97 16)*

33 05 97 16-0022	EA	Reference Marker, 4' Mounting Height		92.16
33 05 97 16-0023	EA	Reference Marker, 7' Mounting Height		113.59
33 05 97 16-0024	EA	Reference Marker, Band Or Bracket Mounted		107.34
33 05 97 16-0025	EA	Reference Marker, Furnish Panel Only		91.97
33 05 97 16-0026	EA	Relocate Reference Marker		63.33

33 05 97 16-0027 Object Markers *(33 05 97 16)*

33 05 97 16-0028	EA	Object Marker, Type L-1		97.74
33 05 97 16-0029	EA	Object Marker, Type L-2		90.00
33 05 97 16-0030	EA	Object Marker, Type K-1		103.94
33 05 97 16-0031	EA	Object Marker, Type K-2		96.19
33 05 97 16-0032	EA	Object Marker, Type Q		65.20

33 05 97 23 Utility Identification Warning Tape *(33 05 97)*

33 05 97 23-0001 Non-Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape		8.34
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape		11.78

33 05 97 23-0004 Detectable Utility Warning Tape *(33 05 97 23)*

Note: Labor installation is included with pipe and excavation.

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape		8.48
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape		11.60
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape		18.64

33 10 Water Utilities *(33)*

33 11 Groundwater Sources *(33 10)*

33 11 13 Potable Water Supply Wells *(33 11)*

33 11 13 00-0001 Drill And Test Water Well *(33 11 13)*

33 11 13 00-0002 Drill Hole *(33 11 13 00-0001)*

Note: Excludes loading and hauling of spoils.

33 11 13 00-0003 Mobilization And Demobilization *(33 11 13 00-0002)*

33 11 13 00-0004	EA	Up To 12" Diameter, Well Drilling Mobilization And Demobilization		1,073.59
33 11 13 00-0005	EA	>12" To 24" Diameter, Well Drilling Mobilization And Demobilization		1,317.23
33 11 13 00-0006	EA	>24" To 36" Diameter, Well Drilling Mobilization And Demobilization		1,975.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0007		Drill Hole In Normal Soil, Sand, Gravel, O.B. *(33 11 13 00-0002)* Note: Excludes well casing, gravel or materials.		
33 11 13 00-0008	LF	Up To 6" Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	25.53	
		For >100 To 250, Add	*0.64*	
		For >250 To 400, Add	*1.28*	
		For >400 To 600, Add	*1.91*	
		For >600 To 750, Add	*2.55*	
		For >750, Add	*3.19*	
33 11 13 00-0009	LF	8" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	30.30	
		For >100 To 250, Add	*0.76*	
		For >250 To 400, Add	*1.52*	
		For >400 To 600, Add	*2.27*	
		For >600 To 750, Add	*3.03*	
		For >750, Add	*3.79*	
33 11 13 00-0010	LF	10" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	40.51	
		For >100 To 250, Add	*1.01*	
		For >250 To 400, Add	*2.03*	
		For >400 To 600, Add	*3.04*	
		For >600 To 750, Add	*4.05*	
		For >750, Add	*5.06*	
33 11 13 00-0011	LF	12" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	63.40	
		For >100 To 250, Add	*1.59*	
		For >250 To 400, Add	*3.17*	
		For >400 To 600, Add	*4.76*	
		For >600 To 750, Add	*6.34*	
		For >750, Add	*7.93*	
33 11 13 00-0012	LF	14" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	91.22	
		For >100 To 250, Add	*2.28*	
		For >250 To 400, Add	*4.56*	
		For >400 To 600, Add	*6.84*	
		For >600 To 750, Add	*9.12*	
		For >750, Add	*11.40*	
33 11 13 00-0013	LF	16" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	119.21	
		For >100 To 250, Add	*2.98*	
		For >250 To 400, Add	*5.96*	
		For >400 To 600, Add	*8.94*	
		For >600 To 750, Add	*11.92*	
		For >750, Add	*14.90*	
33 11 13 00-0014	LF	18" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	141.60	
		For >100 To 250, Add	*3.54*	
		For >250 To 400, Add	*7.08*	
		For >400 To 600, Add	*10.62*	
		For >600 To 750, Add	*14.16*	
		For >750, Add	*17.70*	
33 11 13 00-0015	LF	20" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	164.65	
		For >100 To 250, Add	*4.12*	
		For >250 To 400, Add	*8.23*	
		For >400 To 600, Add	*12.35*	
		For >600 To 750, Add	*16.47*	
		For >750, Add	*20.58*	
33 11 13 00-0016	LF	22" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	193.47	
		For >100 To 250, Add	*4.84*	
		For >250 To 400, Add	*9.67*	
		For >400 To 600, Add	*14.51*	
		For >600 To 750, Add	*19.35*	
		For >750, Add	*24.18*	
33 11 13 00-0017	LF	24" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	228.05	
		For >100 To 250, Add	*5.70*	
		For >250 To 400, Add	*11.40*	
		For >400 To 600, Add	*17.10*	
		For >600 To 750, Add	*22.81*	
		For >750, Add	*28.51*	
33 11 13 00-0018	LF	26" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	246.48	
		For >100 To 250, Add	*6.16*	
		For >250 To 400, Add	*12.32*	
		For >400 To 600, Add	*18.49*	
		For >600 To 750, Add	*24.65*	
		For >750, Add	*30.81*	
33 11 13 00-0019	LF	28" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	271.19	
		For >100 To 250, Add	*6.78*	
		For >250 To 400, Add	*13.56*	
		For >400 To 600, Add	*20.34*	
		For >600 To 750, Add	*27.12*	
		For >750, Add	*33.90*	
33 11 13 00-0020	LF	30" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	297.04	
		For >100 To 250, Add	*7.43*	
		For >250 To 400, Add	*14.85*	
		For >400 To 600, Add	*22.28*	
		For >600 To 750, Add	*29.70*	
		For >750, Add	*37.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0021	LF	36" Water Well Hole Drilled In Normal Soil, Sand, Gravel, O.B.	369.48	
		For >100 To 250, Add	*9.24*	
		For >250 To 400, Add	*18.47*	
		For >400 To 600, Add	*27.71*	
		For >600 To 750, Add	*36.95*	
		For >750, Add	*46.19*	

33 11 13 00-0022 Drill Hole In Sedimentary Rock *(33 11 13 00-0002)*

33 11 13 00-0023	LF	6" Water Well Hole Drilled In Sedimentary Rock	52.03	
		For >100 To 250, Add	*1.30*	
		For >250 To 400, Add	*2.60*	
		For >400 To 600, Add	*3.90*	
		For >600 To 750, Add	*5.20*	
		For >750, Add	*6.50*	
33 11 13 00-0024	LF	8" Water Well Hole Drilled In Sedimentary Rock	60.59	
		For >100 To 250, Add	*1.51*	
		For >250 To 400, Add	*3.03*	
		For >400 To 600, Add	*4.54*	
		For >600 To 750, Add	*6.06*	
		For >750, Add	*7.57*	
33 11 13 00-0025	LF	10" Water Well Hole Drilled In Sedimentary Rock	97.01	
		For >100 To 250, Add	*2.43*	
		For >250 To 400, Add	*4.85*	
		For >400 To 600, Add	*7.28*	
		For >600 To 750, Add	*9.70*	
		For >750, Add	*12.13*	
33 11 13 00-0026	LF	12" Water Well Hole Drilled In Sedimentary Rock	126.85	
		For >100 To 250, Add	*3.17*	
		For >250 To 400, Add	*6.34*	
		For >400 To 600, Add	*9.51*	
		For >600 To 750, Add	*12.69*	
		For >750, Add	*15.86*	
33 11 13 00-0027	LF	14" Water Well Hole Drilled In Sedimentary Rock	182.57	
		For >100 To 250, Add	*4.56*	
		For >250 To 400, Add	*9.13*	
		For >400 To 600, Add	*13.69*	
		For >600 To 750, Add	*18.26*	
		For >750, Add	*22.82*	
33 11 13 00-0028	LF	16" Water Well Hole Drilled In Sedimentary Rock	238.29	
		For >100 To 250, Add	*5.96*	
		For >250 To 400, Add	*11.91*	
		For >400 To 600, Add	*17.87*	
		For >600 To 750, Add	*23.83*	
		For >750, Add	*29.79*	
33 11 13 00-0029	LF	18" Water Well Hole Drilled In Sedimentary Rock	283.33	
		For >100 To 250, Add	*7.08*	
		For >250 To 400, Add	*14.17*	
		For >400 To 600, Add	*21.25*	
		For >600 To 750, Add	*28.33*	
		For >750, Add	*35.42*	
33 11 13 00-0030	LF	20" Water Well Hole Drilled In Sedimentary Rock	328.78	
		For >100 To 250, Add	*8.22*	
		For >250 To 400, Add	*16.44*	
		For >400 To 600, Add	*24.66*	
		For >600 To 750, Add	*32.88*	
		For >750, Add	*41.10*	
33 11 13 00-0031	LF	22" Water Well Hole Drilled In Sedimentary Rock	387.27	
		For >100 To 250, Add	*9.68*	
		For >250 To 400, Add	*19.36*	
		For >400 To 600, Add	*29.05*	
		For >600 To 750, Add	*38.73*	
		For >750, Add	*48.41*	
33 11 13 00-0032	LF	24" Water Well Hole Drilled In Sedimentary Rock	447.33	
		For >100 To 250, Add	*11.18*	
		For >250 To 400, Add	*22.37*	
		For >400 To 600, Add	*33.55*	
		For >600 To 750, Add	*44.73*	
		For >750, Add	*55.92*	
33 11 13 00-0033	LF	26" Water Well Hole Drilled In Sedimentary Rock	492.98	
		For >100 To 250, Add	*12.32*	
		For >250 To 400, Add	*24.65*	
		For >400 To 600, Add	*36.97*	
		For >600 To 750, Add	*49.30*	
		For >750, Add	*61.62*	
33 11 13 00-0034	LF	28" Water Well Hole Drilled In Sedimentary Rock	542.37	
		For >100 To 250, Add	*13.56*	
		For >250 To 400, Add	*27.12*	
		For >400 To 600, Add	*40.68*	
		For >600 To 750, Add	*54.24*	
		For >750, Add	*67.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0035	LF	30" Water Well Hole Drilled In Sedimentary Rock	594.07	
		For >100 To 250, Add	*14.85*	
		For >250 To 400, Add	*29.70*	
		For >400 To 600, Add	*44.56*	
		For >600 To 750, Add	*59.41*	
		For >750, Add	*74.26*	
33 11 13 00-0036	LF	36" Water Well Hole Drilled In Sedimentary Rock	738.97	
		For >100 To 250, Add	*18.47*	
		For >250 To 400, Add	*36.95*	
		For >400 To 600, Add	*55.42*	
		For >600 To 750, Add	*73.90*	
		For >750, Add	*92.37*	

33 11 13 00-0037 Drill Hole In Crystalline Rock *(33 11 13 00-0002)*

33 11 13 00-0038	LF	6" Water Well Hole Drilled In Crystalline Rock	107.03	
		For >100 To 250, Add	*2.68*	
		For >250 To 400, Add	*5.35*	
		For >400 To 600, Add	*8.03*	
		For >600 To 750, Add	*10.70*	
		For >750, Add	*13.38*	
33 11 13 00-0039	LF	8" Water Well Hole Drilled In Crystalline Rock	123.49	
		For >100 To 250, Add	*3.09*	
		For >250 To 400, Add	*6.17*	
		For >400 To 600, Add	*9.26*	
		For >600 To 750, Add	*12.35*	
		For >750, Add	*15.44*	
33 11 13 00-0040	LF	10" Water Well Hole Drilled In Crystalline Rock	141.60	
		For >100 To 250, Add	*3.54*	
		For >250 To 400, Add	*7.08*	
		For >400 To 600, Add	*10.62*	
		For >600 To 750, Add	*14.16*	
		For >750, Add	*17.70*	
33 11 13 00-0041	LF	12" Water Well Hole Drilled In Crystalline Rock	179.47	
		For >100 To 250, Add	*4.49*	
		For >250 To 400, Add	*8.97*	
		For >400 To 600, Add	*13.46*	
		For >600 To 750, Add	*17.95*	
		For >750, Add	*22.43*	
33 11 13 00-0042	LF	14" Water Well Hole Drilled In Crystalline Rock	232.16	
		For >100 To 250, Add	*5.80*	
		For >250 To 400, Add	*11.61*	
		For >400 To 600, Add	*17.41*	
		For >600 To 750, Add	*23.22*	
		For >750, Add	*29.02*	
33 11 13 00-0043	LF	16" Water Well Hole Drilled In Crystalline Rock	337.54	
		For >100 To 250, Add	*8.44*	
		For >250 To 400, Add	*16.88*	
		For >400 To 600, Add	*25.32*	
		For >600 To 750, Add	*33.75*	
		For >750, Add	*42.19*	
33 11 13 00-0044	LF	18" Water Well Hole Drilled In Crystalline Rock	401.76	
		For >100 To 250, Add	*10.04*	
		For >250 To 400, Add	*20.09*	
		For >400 To 600, Add	*30.13*	
		For >600 To 750, Add	*40.18*	
		For >750, Add	*50.22*	
33 11 13 00-0045	LF	20" Water Well Hole Drilled In Crystalline Rock	465.97	
		For >100 To 250, Add	*11.65*	
		For >250 To 400, Add	*23.30*	
		For >400 To 600, Add	*34.95*	
		For >600 To 750, Add	*46.60*	
		For >750, Add	*58.25*	
33 11 13 00-0046	LF	22" Water Well Hole Drilled In Crystalline Rock	548.30	
		For >100 To 250, Add	*13.71*	
		For >250 To 400, Add	*27.42*	
		For >400 To 600, Add	*41.12*	
		For >600 To 750, Add	*54.83*	
		For >750, Add	*68.54*	
33 11 13 00-0047	LF	24" Water Well Hole Drilled In Crystalline Rock	633.92	
		For >100 To 250, Add	*15.85*	
		For >250 To 400, Add	*31.70*	
		For >400 To 600, Add	*47.54*	
		For >600 To 750, Add	*63.39*	
		For >750, Add	*79.24*	

33 11 13 00-0048 Furnish And Install Casing *(33 11 13 00-0001)*
Note: Excludes drilling of hole.

33 11 13 00-0049 Steel Well Casing *(33 11 13 00-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0050	LF	6" Diameter, Steel Well Casing, Flush	45.52	
		For >100 To 250, Deduct	*-1.37*	
		For >250 To 400, Deduct	*-2.51*	
		For >400 To 600, Deduct	*-3.76*	
		For >600 To 750, Deduct	*-5.01*	
		For >750, Deduct	*-6.57*	
33 11 13 00-0051	LF	8" Diameter, Steel Well Casing, Flush	56.59	
		For >100 To 250, Deduct	*-1.70*	
		For >250 To 400, Deduct	*-3.12*	
		For >400 To 600, Deduct	*-4.68*	
		For >600 To 750, Deduct	*-6.24*	
		For >750, Deduct	*-8.17*	
33 11 13 00-0052	LF	10" Diameter, Steel Well Casing, Flush	83.77	
		For >100 To 250, Deduct	*-2.44*	
		For >250 To 400, Deduct	*-4.53*	
		For >400 To 600, Deduct	*-6.80*	
		For >600 To 750, Deduct	*-9.07*	
		For >750, Deduct	*-11.79*	
33 11 13 00-0053	LF	12" Diameter, Steel Well Casing, Flush	140.51	
		For >100 To 250, Deduct	*-3.93*	
		For >250 To 400, Deduct	*-7.44*	
		For >400 To 600, Deduct	*-11.16*	
		For >600 To 750, Deduct	*-14.88*	
		For >750, Deduct	*-19.14*	
33 11 13 00-0054	LF	14" Diameter, Steel Well Casing, Flush	157.62	
		For >100 To 250, Deduct	*-4.52*	
		For >250 To 400, Deduct	*-8.46*	
		For >400 To 600, Deduct	*-12.69*	
		For >600 To 750, Deduct	*-16.92*	
		For >750, Deduct	*-21.90*	
33 11 13 00-0055	LF	16" Diameter, Steel Well Casing, Flush	185.06	
		For >100 To 250, Deduct	*-5.34*	
		For >250 To 400, Deduct	*-9.97*	
		For >400 To 600, Deduct	*-14.95*	
		For >600 To 750, Deduct	*-19.94*	
		For >750, Deduct	*-25.85*	
33 11 13 00-0056	LF	18" Diameter, Steel Well Casing, Flush	211.16	
		For >100 To 250, Deduct	*-6.18*	
		For >250 To 400, Deduct	*-11.46*	
		For >400 To 600, Deduct	*-17.19*	
		For >600 To 750, Deduct	*-22.92*	
		For >750, Deduct	*-29.82*	
33 11 13 00-0057	LF	20" Diameter, Steel Well Casing, Flush	240.77	
		For >100 To 250, Deduct	*-7.13*	
		For >250 To 400, Deduct	*-13.15*	
		For >400 To 600, Deduct	*-19.72*	
		For >600 To 750, Deduct	*-26.29*	
		For >750, Deduct	*-34.31*	
33 11 13 00-0058	LF	24" Diameter, Steel Well Casing, Flush	281.39	
		For >100 To 250, Deduct	*-8.28*	
		For >250 To 400, Deduct	*-15.32*	
		For >400 To 600, Deduct	*-22.97*	
		For >600 To 750, Deduct	*-30.63*	
		For >750, Deduct	*-39.91*	
33 11 13 00-0059	LB	Steel Well Casing, Furnish And Install	1.48	
		For >100 To 250, Deduct	*-0.05*	
		For >250 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 750, Deduct	*-0.18*	
		For >750, Deduct	*-0.25*	

33 11 13 00-0060 Stainless Steel Well Casing, Flush Threaded *(33 11 13 00-0048)*

33 11 13 00-0061	LF	6" Diameter, Stainless Steel Well Casing, Flush	65.60	
		For >100 To 250, Deduct	*-1.87*	
		For >250 To 400, Deduct	*-3.51*	
		For >400 To 600, Deduct	*-5.27*	
		For >600 To 750, Deduct	*-7.02*	
		For >750, Deduct	*-9.08*	
33 11 13 00-0062	LF	8" Diameter, Stainless Steel Well Casing, Flush	97.85	
		For >100 To 250, Deduct	*-2.73*	
		For >250 To 400, Deduct	*-5.18*	
		For >400 To 600, Deduct	*-7.77*	
		For >600 To 750, Deduct	*-10.36*	
		For >750, Deduct	*-13.33*	
33 11 13 00-0063	LF	10" Diameter, Stainless Steel Well Casing, Flush	136.31	
		For >100 To 250, Deduct	*-3.78*	
		For >250 To 400, Deduct	*-7.18*	
		For >400 To 600, Deduct	*-10.78*	
		For >600 To 750, Deduct	*-14.37*	
		For >750, Deduct	*-18.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0064	LF	12" Diameter, Stainless Steel Well Casing, Flush	158.63	
		For >100 To 250, Deduct	*-4.40*	
		For >250 To 400, Deduct	*-8.37*	
		For >400 To 600, Deduct	*-12.56*	
		For >600 To 750, Deduct	*-16.74*	
		For >750, Deduct	*-21.50*	

33 11 13 00-0065 Stainless Steel Well Casing, Welded Ring *(33 11 13 00-0048)*

33 11 13 00-0066	LF	10" Diameter, Stainless Steel Well Casing, Welded	147.39	
		For >100 To 250, Deduct	*-4.33*	
		For >250 To 400, Deduct	*-8.02*	
		For >400 To 600, Deduct	*-12.02*	
		For >600 To 750, Deduct	*-16.03*	
		For >750, Deduct	*-20.88*	
33 11 13 00-0067	LF	12" Diameter, Stainless Steel Well Casing, Welded	170.64	
		For >100 To 250, Deduct	*-5.00*	
		For >250 To 400, Deduct	*-9.27*	
		For >400 To 600, Deduct	*-13.91*	
		For >600 To 750, Deduct	*-18.54*	
		For >750, Deduct	*-24.14*	
33 11 13 00-0068	LF	14" Diameter, Stainless Steel Well Casing, Welded	204.40	
		For >100 To 250, Deduct	*-5.94*	
		For >250 To 400, Deduct	*-11.05*	
		For >400 To 600, Deduct	*-16.58*	
		For >600 To 750, Deduct	*-22.10*	
		For >750, Deduct	*-28.71*	
33 11 13 00-0069	LF	16" Diameter, Stainless Steel Well Casing, Welded	233.99	
		For >100 To 250, Deduct	*-6.80*	
		For >250 To 400, Deduct	*-12.65*	
		For >400 To 600, Deduct	*-18.97*	
		For >600 To 750, Deduct	*-25.29*	
		For >750, Deduct	*-32.84*	
33 11 13 00-0070	LF	18" Diameter, Stainless Steel Well Casing, Welded	258.84	
		For >100 To 250, Deduct	*-7.56*	
		For >250 To 400, Deduct	*-14.03*	
		For >400 To 600, Deduct	*-21.04*	
		For >600 To 750, Deduct	*-28.05*	
		For >750, Deduct	*-36.48*	
33 11 13 00-0071	LF	20" Diameter, Stainless Steel Well Casing, Welded	337.70	
		For >100 To 250, Deduct	*-9.74*	
		For >250 To 400, Deduct	*-18.18*	
		For >400 To 600, Deduct	*-27.27*	
		For >600 To 750, Deduct	*-36.36*	
		For >750, Deduct	*-47.12*	
33 11 13 00-0072	LF	24" Diameter, Stainless Steel Well Casing, Welded	443.93	
		For >100 To 250, Deduct	*-12.71*	
		For >250 To 400, Deduct	*-23.81*	
		For >400 To 600, Deduct	*-35.72*	
		For >600 To 750, Deduct	*-47.62*	
		For >750, Deduct	*-61.63*	

33 11 13 00-0073 Polyvinyl Chloride (PVC) Well Casing, Schedule 80 *(33 11 13 00-0048)*

33 11 13 00-0074	LF	6" Polyvinyl Chloride (PVC) Well Casing	47.12	
		For >100 To 250, Deduct	*-1.36*	
		For >250 To 400, Deduct	*-2.54*	
		For >400 To 600, Deduct	*-3.81*	
		For >600 To 750, Deduct	*-5.08*	
		For >750, Deduct	*-6.59*	
33 11 13 00-0075	LF	8" Polyvinyl Chloride (PVC) Well Casing	74.82	
		For >100 To 250, Deduct	*-2.16*	
		For >250 To 400, Deduct	*-4.03*	
		For >400 To 600, Deduct	*-6.04*	
		For >600 To 750, Deduct	*-8.06*	
		For >750, Deduct	*-10.45*	
33 11 13 00-0076	LF	10" Polyvinyl Chloride (PVC) Well Casing	113.09	
		For >100 To 250, Deduct	*-3.27*	
		For >250 To 400, Deduct	*-6.09*	
		For >400 To 600, Deduct	*-9.14*	
		For >600 To 750, Deduct	*-12.19*	
		For >750, Deduct	*-15.80*	
33 11 13 00-0077	LF	12" Polyvinyl Chloride (PVC) Well Casing	133.46	
		For >100 To 250, Deduct	*-3.87*	
		For >250 To 400, Deduct	*-7.20*	
		For >400 To 600, Deduct	*-10.81*	
		For >600 To 750, Deduct	*-14.41*	
		For >750, Deduct	*-18.70*	

33 11 13 00-0078 Furnish And Install Well Screen Assembly *(33 11 13 00-0001)*

33 11 13 00-0079 Stainless Steel Well Screen *(33 11 13 00-0078)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0080	LF	2" Stainless Steel Well Screen	22.22	1.85
		For >100 To 250, Deduct	*-0.79*	
		For >250 To 400, Deduct	*-1.35*	
		For >400 To 600, Deduct	*-2.02*	
		For >600 To 750, Deduct	*-2.70*	
		For >750, Deduct	*-3.68*	
33 11 13 00-0081	LF	3" Stainless Steel Well Screen	33.97	1.85
		For >100 To 250, Deduct	*-1.10*	
		For >250 To 400, Deduct	*-1.95*	
		For >400 To 600, Deduct	*-2.93*	
		For >600 To 750, Deduct	*-3.91*	
		For >750, Deduct	*-5.22*	
33 11 13 00-0082	LF	4" Stainless Steel Well Screen	42.70	2.77
		For >100 To 250, Deduct	*-1.39*	
		For >250 To 400, Deduct	*-2.46*	
		For >400 To 600, Deduct	*-3.69*	
		For >600 To 750, Deduct	*-4.92*	
		For >750, Deduct	*-6.57*	
33 11 13 00-0083	LF	5" Stainless Steel Well Screen	53.72	2.77
		For >100 To 250, Deduct	*-1.73*	
		For >250 To 400, Deduct	*-3.07*	
		For >400 To 600, Deduct	*-4.61*	
		For >600 To 750, Deduct	*-6.14*	
		For >750, Deduct	*-8.18*	
33 11 13 00-0084	LF	6" Stainless Steel Well Screen	64.98	3.69
		For >100 To 250, Deduct	*-2.14*	
		For >250 To 400, Deduct	*-3.76*	
		For >400 To 600, Deduct	*-5.64*	
		For >600 To 750, Deduct	*-7.52*	
		For >750, Deduct	*-10.07*	
33 11 13 00-0085	LF	8" Stainless Steel Well Screen	84.67	4.62
		For >100 To 250, Deduct	*-2.77*	
		For >250 To 400, Deduct	*-4.89*	
		For >400 To 600, Deduct	*-7.33*	
		For >600 To 750, Deduct	*-9.78*	
		For >750, Deduct	*-13.08*	
33 11 13 00-0086	LF	10" Stainless Steel Well Screen	108.02	7.39
		For >100 To 250, Deduct	*-3.59*	
		For >250 To 400, Deduct	*-6.29*	
		For >400 To 600, Deduct	*-9.43*	
		For >600 To 750, Deduct	*-12.57*	
		For >750, Deduct	*-16.87*	
33 11 13 00-0087	LF	12" Stainless Steel Well Screen	126.68	9.23
		For >100 To 250, Deduct	*-4.20*	
		For >250 To 400, Deduct	*-7.37*	
		For >400 To 600, Deduct	*-11.05*	
		For >600 To 750, Deduct	*-14.74*	
		For >750, Deduct	*-19.76*	
33 11 13 00-0088	LF	14" Stainless Steel Well Screen	139.66	10.16
		For >100 To 250, Deduct	*-4.68*	
		For >250 To 400, Deduct	*-8.17*	
		For >400 To 600, Deduct	*-12.26*	
		For >600 To 750, Deduct	*-16.35*	
		For >750, Deduct	*-21.98*	
33 11 13 00-0089	LF	16" Stainless Steel Well Screen	151.71	12.00
		For >100 To 250, Deduct	*-5.13*	
		For >250 To 400, Deduct	*-8.92*	
		For >400 To 600, Deduct	*-13.38*	
		For >600 To 750, Deduct	*-17.85*	
		For >750, Deduct	*-24.05*	
33 11 13 00-0090	LF	18" Stainless Steel Well Screen	182.56	13.85
		For >100 To 250, Deduct	*-6.21*	
		For >250 To 400, Deduct	*-10.78*	
		For >400 To 600, Deduct	*-16.16*	
		For >600 To 750, Deduct	*-21.55*	
		For >750, Deduct	*-29.08*	
33 11 13 00-0091	LF	20" Stainless Steel Well Screen	230.18	17.54
		For >100 To 250, Deduct	*-7.83*	
		For >250 To 400, Deduct	*-13.58*	
		For >400 To 600, Deduct	*-20.37*	
		For >600 To 750, Deduct	*-27.16*	
		For >750, Deduct	*-36.64*	
33 11 13 00-0092	LF	24" Stainless Steel Well Screen	298.90	23.08
		For >100 To 250, Deduct	*-10.19*	
		For >250 To 400, Deduct	*-17.66*	
		For >400 To 600, Deduct	*-26.49*	
		For >600 To 750, Deduct	*-35.32*	
		For >750, Deduct	*-47.68*	
33 11 13 00-0093	LF	26" Stainless Steel Well Screen	344.08	26.78
		For >100 To 250, Deduct	*-11.68*	
		For >250 To 400, Deduct	*-20.28*	
		For >400 To 600, Deduct	*-30.42*	
		For >600 To 750, Deduct	*-40.56*	
		For >750, Deduct	*-54.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 11 13 00-0094 Slotted Polyvinyl Chloride (PVC) Well Screen, Schedule 40 *(33 11 13 00-0078)*

33 11 13 00-0095	LF	1-1/4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	14.77	
		For >100 To 250, Deduct	*-0.54*	
		For >250 To 400, Deduct	*-0.91*	
		For >400 To 600, Deduct	*-1.37*	
		For >600 To 750, Deduct	*-1.82*	
		For >750, Deduct	*-2.50*	
		For Schedule 80, Add	*3.16*	
33 11 13 00-0096	LF	1-1/2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	16.82	
		For >100 To 250, Deduct	*-0.60*	
		For >250 To 400, Deduct	*-1.02*	
		For >400 To 600, Deduct	*-1.54*	
		For >600 To 750, Deduct	*-2.05*	
		For >750, Deduct	*-2.80*	
		For Schedule 80, Add	*3.80*	
33 11 13 00-0097	LF	2" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	24.18	
		For >100 To 250, Deduct	*-0.93*	
		For >250 To 400, Deduct	*-1.54*	
		For >400 To 600, Deduct	*-2.31*	
		For >600 To 750, Deduct	*-3.07*	
		For >750, Deduct	*-4.27*	
		For Schedule 80, Add	*4.43*	
33 11 13 00-0098	LF	3" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	34.70	
		For >100 To 250, Deduct	*-1.22*	
		For >250 To 400, Deduct	*-2.09*	
		For >400 To 600, Deduct	*-3.13*	
		For >600 To 750, Deduct	*-4.18*	
		For >750, Deduct	*-5.68*	
		For Schedule 80, Add	*8.22*	
33 11 13 00-0099	LF	4" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	43.66	
		For >100 To 250, Deduct	*-1.54*	
		For >250 To 400, Deduct	*-2.63*	
		For >400 To 600, Deduct	*-3.95*	
		For >600 To 750, Deduct	*-5.26*	
		For >750, Deduct	*-7.16*	
		For Schedule 80, Add	*10.31*	
33 11 13 00-0100	LF	5" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	54.51	
		For >100 To 250, Deduct	*-1.90*	
		For >250 To 400, Deduct	*-3.26*	
		For >400 To 600, Deduct	*-4.89*	
		For >600 To 750, Deduct	*-6.52*	
		For >750, Deduct	*-8.84*	
		For Schedule 80, Add	*13.28*	
33 11 13 00-0101	LF	6" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	60.82	
		For >100 To 250, Deduct	*-2.23*	
		For >250 To 400, Deduct	*-3.75*	
		For >400 To 600, Deduct	*-5.63*	
		For >600 To 750, Deduct	*-7.50*	
		For >750, Deduct	*-10.30*	
		For Schedule 80, Add	*12.97*	
33 11 13 00-0102	LF	8" Diameter Slotted Polyvinyl Chloride (PVC) Well Screen	86.94	
		For >100 To 250, Deduct	*-3.08*	
		For >250 To 400, Deduct	*-5.26*	
		For >400 To 600, Deduct	*-7.88*	
		For >600 To 750, Deduct	*-10.51*	
		For >750, Deduct	*-14.32*	
		For Schedule 80, Add	*20.24*	

33 11 13 00-0103 Furnish And Install Gravel Pack Material *(33 11 13 00-0001)*

Note: Quantity is based on 3" space between wall and the casing or well screen.

33 11 13 00-0104 Artificial Gravel Pack *(33 11 13 00-0103)*

Note: Excludes casing.

33 11 13 00-0105	LF	Artificial Gravel Pack, 6" Casing, 2" Screen	19.53	
		For >100 To 250, Deduct	*-0.75*	
		For >250 To 400, Deduct	*-1.24*	
		For >400 To 600, Deduct	*-1.86*	
		For >600 To 750, Deduct	*-2.48*	
		For >750, Deduct	*-3.45*	
33 11 13 00-0106	LF	Artificial Gravel Pack, 8" Casing, 2" Screen	28.81	
		For >100 To 250, Deduct	*-1.14*	
		For >250 To 400, Deduct	*-1.86*	
		For >400 To 600, Deduct	*-2.79*	
		For >600 To 750, Deduct	*-3.71*	
		For >750, Deduct	*-5.18*	
33 11 13 00-0107	LF	Artificial Gravel Pack, 10" Casing, 2" Screen	40.11	
		For >100 To 250, Deduct	*-1.62*	
		For >250 To 400, Deduct	*-2.63*	
		For >400 To 600, Deduct	*-3.94*	
		For >600 To 750, Deduct	*-5.25*	
		For >750, Deduct	*-7.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0108	LF	Artificial Gravel Pack, 12" Casing, 2" Screen	51.43	
		For >100 To 250, Deduct	*-2.06*	
		For >250 To 400, Deduct	*-3.34*	
		For >400 To 600, Deduct	*-5.01*	
		For >600 To 750, Deduct	*-6.68*	
		For >750, Deduct	*-9.35*	
33 11 13 00-0109	LF	Artificial Gravel Pack, 14" Casing, 2" Screen	63.43	
		For >100 To 250, Deduct	*-2.51*	
		For >250 To 400, Deduct	*-4.09*	
		For >400 To 600, Deduct	*-6.14*	
		For >600 To 750, Deduct	*-8.18*	
		For >750, Deduct	*-11.43*	
33 11 13 00-0110	LF	Artificial Gravel Pack, 16" Casing, 2" Screen	82.14	
		For >100 To 250, Deduct	*-3.19*	
		For >250 To 400, Deduct	*-5.24*	
		For >400 To 600, Deduct	*-7.86*	
		For >600 To 750, Deduct	*-10.48*	
		For >750, Deduct	*-14.58*	
33 11 13 00-0111	LF	Artificial Gravel Pack, 18" Casing, 2" Screen	94.20	
		For >100 To 250, Deduct	*-3.64*	
		For >250 To 400, Deduct	*-5.99*	
		For >400 To 600, Deduct	*-8.99*	
		For >600 To 750, Deduct	*-11.99*	
		For >750, Deduct	*-16.65*	
33 11 13 00-0112	LF	Artificial Gravel Pack, 20" Casing, 2" Screen	111.87	
		For >100 To 250, Deduct	*-4.36*	
		For >250 To 400, Deduct	*-7.16*	
		For >400 To 600, Deduct	*-10.74*	
		For >600 To 750, Deduct	*-14.32*	
		For >750, Deduct	*-19.93*	
33 11 13 00-0113	LF	Artificial Gravel Pack, 24" Casing, 2" Screen	126.55	
		For >100 To 250, Deduct	*-4.96*	
		For >250 To 400, Deduct	*-8.12*	
		For >400 To 600, Deduct	*-12.19*	
		For >600 To 750, Deduct	*-16.25*	
		For >750, Deduct	*-22.65*	
33 11 13 00-0114	LF	Artificial Gravel Pack, 26" Casing, 2" Screen	136.37	
		For >100 To 250, Deduct	*-5.29*	
		For >250 To 400, Deduct	*-8.70*	
		For >400 To 600, Deduct	*-13.04*	
		For >600 To 750, Deduct	*-17.39*	
		For >750, Deduct	*-24.18*	
33 11 13 00-0115	LF	Artificial Gravel Pack, 30" Casing, 2" Screen	162.59	
		For >100 To 250, Deduct	*-6.37*	
		For >250 To 400, Deduct	*-10.44*	
		For >400 To 600, Deduct	*-15.66*	
		For >600 To 750, Deduct	*-20.88*	
		For >750, Deduct	*-29.10*	
33 11 13 00-0116	LF	Artificial Gravel Pack, 36" Casing, 2" Screen	188.05	
		For >100 To 250, Deduct	*-7.52*	
		For >250 To 400, Deduct	*-12.22*	
		For >400 To 600, Deduct	*-18.33*	
		For >600 To 750, Deduct	*-24.44*	
		For >750, Deduct	*-34.21*	

33 11 13 00-0117 Develop Well *(33 11 13 00-0001)*

Note: Pump out drilled well to remove debris and fine material remaining from the drilling process. Excludes disposal.

33 11 13 00-0118	HR	Develop Well	458.55

33 11 13 00-0119 Pump Test *(33 11 13 00-0001)*

Note: To determine water level and GPM flow rate.

33 11 13 00-0120	HR	Pump Test Well	405.74

33 11 13 00-0121 Test Well *(33 11 13 00-0001)*

33 11 13 00-0122	VLF	2-1/2" Diameter Test Well	106.25

33 11 13 00-0123 Surface Seal, Concrete Filled *(33 11 13)*

33 11 13 00-0124	SF	Surface Seal Well, Concrete Filled	35.09

33 11 13 00-0125 Other Water Well *(33 11 13)*

33 11 13 00-0126	SF	Patch Hole In Well Casing	99.90
33 11 13 00-0127	SF	1/2" Pressure Grout Well	2.59
33 11 13 00-0128	SF	1" Pressure Grout Well	4.21
33 11 13 00-0129	CF	Sediment Removal In Well Casing For Existing Well	5.77

33 11 13 00-0130 Sterilization Of Well *(33 11 13)*

33 11 13 00-0131	EA	Well Sterilization, Chlorine	1,660.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 11 13 00-0132		Submersible Well Pumps *(33 11 13)* Note: Includes pump end, motor and control box.		
33 11 13 00-0133		4" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0134		Powder Coated Case And Cast Iron Ends *(33 11 13 00-0133)*		
33 11 13 00-0135	EA	1/2 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,449.37	510.81
33 11 13 00-0136	EA	3/4 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,650.95	566.17
33 11 13 00-0137	EA	1 HP Submersible Well Pump, 4" Diameter Powder Coated Case And Cast Iron Ends	1,832.45	629.08
33 11 13 00-0138		Stainless Steel Case And Ends *(33 11 13 00-0133)*		
33 11 13 00-0139	EA	1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,622.25	503.26
33 11 13 00-0140	EA	3/4 HP Submersible Well Pump, 4" Diameter Stainless Steel	1,848.72	566.17
33 11 13 00-0141	EA	1 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,071.64	629.08
33 11 13 00-0142	EA	1-1/2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,367.96	691.98
33 11 13 00-0143	EA	2 HP Submersible Well Pump, 4" Diameter Stainless Steel	2,674.93	754.89
33 11 13 00-0144	EA	3 HP Submersible Well Pump, 4" Diameter Stainless Steel	3,281.80	880.70
33 11 13 00-0145	EA	5 HP Submersible Well Pump, 4" Diameter Stainless Steel	4,110.09	1,006.52
33 11 13 00-0146		6" Submersible Well Pumps *(33 11 13 00-0132)*		
33 11 13 00-0147	EA	5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,046.17	1,258.16
33 11 13 00-0148	EA	7.5 HP Submersible Well Pump, 6" Diameter Stainless Steel	4,654.21	1,383.97
33 11 13 00-0149	EA	10 HP Submersible Well Pump, 6" Diameter Stainless Steel	5,284.76	1,509.78
33 11 13 00-0150	EA	15 HP Submersible Well Pump, 6" Diameter Stainless Steel	6,385.38	1,761.42

33 14 Water Utility Transmission and Distribution *(33 10)*

33 14 11 Water Utility Transmission Piping *(33 14)*

See CSI section 33 14 13 00-0000 for water utility transmission piping.

33 14 13 Public Water Utility Distribution Piping *(33 14)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 14 13 13 Ductile Iron Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 13-0001		Ductile Iron Piping *(33 14 13 13)*		
33 14 13 13-0002		Mechanical Joint Ductile Iron Piping *(33 14 13 13-0001)* Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0484 for bolts and gaskets.		
33 14 13 13-0003		Mechanical Joint Ductile Iron Pipe *(33 14 13 13-0002)* Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe	94.72	13.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*51.81*	
		For Cement Mortar Lining (CML), Add	*7.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*39.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*13.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.55*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-4.74*	
		For Class 52, Add	*22.36*	
		For Class 53, Add	*40.44*	
		For Class 54, Add	*57.76*	
		For Class 55, Add	*66.32*	
		For Class 56, Add	*74.72*	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe	103.39	14.56
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*56.92*	
		For Cement Mortar Lining (CML), Add	*8.13*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*43.91*	
		For Fusion Bonded Epoxy Lining (206N), Add	*14.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.10*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.17*	
		For Class 51, Add	*11.36*	
		For Class 52, Add	*24.55*	
		For Class 53, Add	*44.41*	
		For Class 54, Add	*63.43*	
		For Class 55, Add	*72.82*	
		For Class 56, Add	*82.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe	111.40	15.29
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*61.80*	
		For Cement Mortar Lining (CML), Add	*8.83*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*47.67*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.62*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-5.57*	
		For Class 51, Add	*12.32*	
		For Class 52, Add	*26.63*	
		For Class 53, Add	*48.18*	
		For Class 54, Add	*68.81*	
		For Class 55, Add	*79.00*	
		For Class 56, Add	*89.00*	
33 14 13 13-0007	LF	8", Class 50, Mechanical Joint Ductile Iron Pipe	136.98	15.88
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*79.04*	
		For Cement Mortar Lining (CML), Add	*11.29*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*60.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.47*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-6.85*	
		For Class 51, Add	*15.69*	
		For Class 52, Add	*33.92*	
		For Class 53, Add	*61.41*	
		For Class 54, Add	*87.74*	
		For Class 55, Add	*100.70*	
		For Class 56, Add	*113.42*	
33 14 13 13-0008	LF	10", Class 50, Mechanical Joint Ductile Iron Pipe	181.05	22.54
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*88.14*	
		For Cement Mortar Lining (CML), Add	*14.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*73.45*	
		For Fusion Bonded Epoxy Lining (206N), Add	*26.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.02*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-9.05*	
		For Class 51, Add	*20.45*	
		For Class 52, Add	*44.20*	
		For Class 53, Add	*80.00*	
		For Class 54, Add	*114.29*	
		For Class 55, Add	*131.19*	
		For Class 56, Add	*147.77*	
33 14 13 13-0009	LF	12", Class 50, Mechanical Joint Ductile Iron Pipe	225.57	25.05
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*93.81*	
		For Cement Mortar Lining (CML), Add	*18.76*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*75.05*	
		For Fusion Bonded Epoxy Lining (206N), Add	*33.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.07*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-11.28*	
		For Class 51, Add	*26.05*	
		For Class 52, Add	*56.32*	
		For Class 53, Add	*101.97*	
		For Class 54, Add	*145.69*	
		For Class 55, Add	*167.20*	
		For Class 56, Add	*188.31*	
33 14 13 13-0010	LF	14", Class 50, Mechanical Joint Ductile Iron Pipe	275.37	28.12
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*102.37*	
		For Cement Mortar Lining (CML), Add	*23.27*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*79.11*	
		For Fusion Bonded Epoxy Lining (206N), Add	*41.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.45*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-13.77*	
		For Class 51, Add	*32.25*	
		For Class 52, Add	*69.73*	
		For Class 53, Add	*126.29*	
		For Class 54, Add	*180.45*	
		For Class 55, Add	*207.07*	
		For Class 56, Add	*233.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0011	LF	16", Class 50, Mechanical Joint Ductile Iron Pipe	309.63	32.22
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*106.94*	
		For Cement Mortar Lining (CML), Add	*26.08*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*80.86*	
		For Fusion Bonded Epoxy Lining (206N), Add	*46.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.56*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.48*	
		For Class 51, Add	*36.16*	
		For Class 52, Add	*78.19*	
		For Class 53, Add	*141.61*	
		For Class 54, Add	*202.35*	
		For Class 55, Add	*232.20*	
		For Class 56, Add	*261.50*	
33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe	391.45	37.57
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*137.15*	
		For Cement Mortar Lining (CML), Add	*33.45*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*103.70*	
		For Fusion Bonded Epoxy Lining (206N), Add	*60.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.09*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-19.57*	
		For Class 51, Add	*46.31*	
		For Class 52, Add	*100.14*	
		For Class 53, Add	*181.40*	
		For Class 54, Add	*259.22*	
		For Class 55, Add	*297.43*	
		For Class 56, Add	*334.94*	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe	436.71	45.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*139.99*	
		For Cement Mortar Lining (CML), Add	*36.84*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*103.15*	
		For Fusion Bonded Epoxy Lining (206N), Add	*66.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.63*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-21.84*	
		For Class 51, Add	*51.07*	
		For Class 52, Add	*110.42*	
		For Class 53, Add	*199.99*	
		For Class 54, Add	*285.76*	
		For Class 55, Add	*327.91*	
		For Class 56, Add	*369.29*	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe	579.82	56.36
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*153.27*	
		For Cement Mortar Lining (CML), Add	*49.44*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*103.83*	
		For Fusion Bonded Epoxy Lining (206N), Add	*89.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.08*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-28.99*	
		For Class 51, Add	*68.46*	
		For Class 52, Add	*148.04*	
		For Class 53, Add	*268.17*	
		For Class 54, Add	*383.20*	
		For Class 55, Add	*439.69*	
		For Class 56, Add	*495.15*	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe	788.30	60.68
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*216.14*	
		For Cement Mortar Lining (CML), Add	*69.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*125.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.29*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-39.42*	
		For Class 51, Add	*96.17*	
		For Class 52, Add	*208.03*	
		For Class 53, Add	*377.06*	
		For Class 54, Add	*538.90*	
		For Class 55, Add	*618.20*	
		For Class 56, Add	*696.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe	968.61	64.45
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*270.27*	
		For Cement Mortar Lining (CML), Add	*87.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*156.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*65.39*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-48.43*	
		For Class 51, Add	*120.04*	
		For Class 52, Add	*259.70*	
		For Class 53, Add	*470.85*	
		For Class 54, Add	*673.02*	
		For Class 55, Add	*771.96*	
		For Class 56, Add	*869.07*	
33 14 13 13-0017	LF	42", Class 50, Mechanical Joint Ductile Iron Pipe	1,225.57	68.20
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*348.16*	
		For Cement Mortar Lining (CML), Add	*112.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*202.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.23*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-61.28*	
		For Class 51, Add	*154.36*	
		For Class 52, Add	*333.99*	
		For Class 53, Add	*605.71*	
		For Class 54, Add	*865.87*	
		For Class 55, Add	*993.05*	
		For Class 56, Add	*1,117.87*	
33 14 13 13-0018	LF	48", Class 50, Mechanical Joint Ductile Iron Pipe	1,539.66	72.07
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*443.77*	
		For Cement Mortar Lining (CML), Add	*143.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*257.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*107.36*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-76.98*	
		For Class 51, Add	*196.47*	
		For Class 52, Add	*425.14*	
		For Class 53, Add	*771.20*	
		For Class 54, Add	*1,102.51*	
		For Class 55, Add	*1,264.33*	
		For Class 56, Add	*1,423.15*	

33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0020	EA	3" Mechanical Joint Ductile Iron 90 Degree Elbow	192.93	43.21
		For Cement Mortar Lining (CML), Add	*12.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*22.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0021	EA	4" Mechanical Joint Ductile Iron 90 Degree Elbow	216.94	51.64
		For Cement Mortar Lining (CML), Add	*13.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*24.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0022	EA	6" Mechanical Joint Ductile Iron 90 Degree Elbow	342.35	76.31
		For Cement Mortar Lining (CML), Add	*22.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*40.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0023	EA	8" Mechanical Joint Ductile Iron 90 Degree Elbow	467.09	90.51
		For Cement Mortar Lining (CML), Add	*32.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0024	EA	10" Mechanical Joint Ductile Iron 90 Degree Elbow	676.24	99.96
		For Cement Mortar Lining (CML), Add	*52.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.36*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0025	EA	12" Mechanical Joint Ductile Iron 90 Degree Elbow	884.22	117.27
		For Cement Mortar Lining (CML), Add	*70.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*127.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0026	EA	14" Mechanical Joint Ductile Iron 90 Degree Elbow	1,381.94	131.50
		For Cement Mortar Lining (CML), Add	*118.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*212.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*88.70*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0027	EA	16" Mechanical Joint Ductile Iron 90 Degree Elbow	1,834.00	150.29
		For Cement Mortar Lining (CML), Add	*160.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0028	EA	18" Mechanical Joint Ductile Iron 90 Degree Elbow	2,253.04	210.40
		For Cement Mortar Lining (CML), Add	*193.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*348.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029	EA	20" Mechanical Joint Ductile Iron 90 Degree Elbow	3,095.61	263.00
		For Cement Mortar Lining (CML), Add	*269.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*485.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*202.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030	EA	24" Mechanical Joint Ductile Iron 90 Degree Elbow	4,556.75	350.22
		For Cement Mortar Lining (CML), Add	*402.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*724.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*301.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031	EA	30" Mechanical Joint Ductile Iron 90 Degree Elbow	7,030.05	375.72
		For Cement Mortar Lining (CML), Add	*646.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,162.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*484.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032	EA	36" Mechanical Joint Ductile Iron 90 Degree Elbow	10,691.65	390.06
		For Cement Mortar Lining (CML), Add	*1,010.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,818.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*757.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033	EA	42" Mechanical Joint Ductile Iron 90 Degree Elbow	18,003.71	450.87
		For Cement Mortar Lining (CML), Add	*1,732.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,117.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,299.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034	EA	48" Mechanical Joint Ductile Iron 90 Degree Elbow	23,822.10	479.67
		For Cement Mortar Lining (CML), Add	*2,309.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,157.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,732.15*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*

33 14 13 13-0036	EA	3" Mechanical Joint Ductile Iron 45 Degree Elbow	179.81	43.21
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037	EA	4" Mechanical Joint Ductile Iron 45 Degree Elbow	192.57	51.64
		For Cement Mortar Lining (CML), Add	*11.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.57*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0038	EA	6" Mechanical Joint Ductile Iron 45 Degree Elbow	299.24	76.31
		For Cement Mortar Lining (CML), Add	*18.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.78*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039	EA	8" Mechanical Joint Ductile Iron 45 Degree Elbow	405.24	90.51
		For Cement Mortar Lining (CML), Add	*26.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040	EA	10" Mechanical Joint Ductile Iron 45 Degree Elbow	543.16	99.96
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0041	EA	12" Mechanical Joint Ductile Iron 45 Degree Elbow	762.39	117.27
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0042	EA	14" Mechanical Joint Ductile Iron 45 Degree Elbow	1,119.53	131.50
		For Cement Mortar Lining (CML), Add	*92.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*165.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0043	EA	16" Mechanical Joint Ductile Iron 45 Degree Elbow	1,374.79	150.29
		For Cement Mortar Lining (CML), Add	*114.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*206.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*86.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0044	EA	18" Mechanical Joint Ductile Iron 45 Degree Elbow	1,964.39	210.40
		For Cement Mortar Lining (CML), Add	*164.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*296.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*123.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0045	EA	20" Mechanical Joint Ductile Iron 45 Degree Elbow	2,156.57	263.00
		For Cement Mortar Lining (CML), Add	*175.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*316.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*131.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0046	EA	24" Mechanical Joint Ductile Iron 45 Degree Elbow	3,201.62	350.22
		For Cement Mortar Lining (CML), Add	*267.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0047	EA	30" Mechanical Joint Ductile Iron 45 Degree Elbow	5,995.43	375.72
		For Cement Mortar Lining (CML), Add	*542.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*976.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0048	EA	36" Mechanical Joint Ductile Iron 45 Degree Elbow	8,524.94	390.06
		For Cement Mortar Lining (CML), Add	*793.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,428.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0049	EA	42" Mechanical Joint Ductile Iron 45 Degree Elbow	12,873.70	450.87
		For Cement Mortar Lining (CML), Add	*1,219.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,194.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0050	EA	48" Mechanical Joint Ductile Iron 45 Degree Elbow	16,701.56	479.67
		For Cement Mortar Lining (CML), Add	*1,597.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,875.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,198.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0051		Mechanical Joint Ductile Iron 22-1/2 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0052	EA	3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	155.45	43.21
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0053	EA	4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	186.95	51.64
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	284.25	76.31
		For Cement Mortar Lining (CML), Add	*16.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*30.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	399.61	90.51
		For Cement Mortar Lining (CML), Add	*26.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*47.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*19.68*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	541.29	99.96
		For Cement Mortar Lining (CML), Add	*38.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	689.29	117.27
		For Cement Mortar Lining (CML), Add	*51.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*92.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,130.78	131.50
		For Cement Mortar Lining (CML), Add	*93.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*167.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*69.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,327.94	150.29
		For Cement Mortar Lining (CML), Add	*110.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*198.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,670.12	210.40
		For Cement Mortar Lining (CML), Add	*135.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*243.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*101.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,235.29	263.00
		For Cement Mortar Lining (CML), Add	*183.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*330.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*137.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,995.44	350.22
		For Cement Mortar Lining (CML), Add	*246.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*443.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*184.85*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,116.37	375.72
		For Cement Mortar Lining (CML), Add	*454.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*818.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*341.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,256.02	390.06
		For Cement Mortar Lining (CML), Add	*666.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,199.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*499.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,746.34	450.87
		For Cement Mortar Lining (CML), Add	*1,006.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,811.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*754.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,830.10	479.67
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0067		**Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0068	EA	3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	155.45	43.21
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA	4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	181.33	51.64
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA	6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	289.87	76.31
		For Cement Mortar Lining (CML), Add	*17.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*31.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA	8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	375.25	90.51
		For Cement Mortar Lining (CML), Add	*23.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA	10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	537.54	99.96
		For Cement Mortar Lining (CML), Add	*38.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*69.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA	12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	657.43	117.27
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA	14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,261.98	131.50
		For Cement Mortar Lining (CML), Add	*106.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA	16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,391.66	150.29
		For Cement Mortar Lining (CML), Add	*116.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*209.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*87.30*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0076	EA	18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,026.25	210.40
		For Cement Mortar Lining (CML), Add	*170.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*128.06*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA	20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,128.46	263.00
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA	24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,838.00	350.22
		For Cement Mortar Lining (CML), Add	*230.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*415.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*173.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA	30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,198.84	375.72
		For Cement Mortar Lining (CML), Add	*462.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*833.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*347.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0080	EA	36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	6,918.64	390.06
		For Cement Mortar Lining (CML), Add	*632.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,138.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*474.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0081	EA	42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	10,287.14	450.87
		For Cement Mortar Lining (CML), Add	*960.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,728.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*720.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0082	EA	48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	13,740.13	479.67
		For Cement Mortar Lining (CML), Add	*1,301.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,342.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*976.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0083		**Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0002)*		
33 14 13 13-0084	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	198.56	43.21
		For Cement Mortar Lining (CML), Add	*13.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0085	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	243.18	51.64
		For Cement Mortar Lining (CML), Add	*16.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*29.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*12.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0086	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	389.21	76.31
		For Cement Mortar Lining (CML), Add	*27.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*49.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0087	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	528.94	90.51
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0088	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	766.21	99.96
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0089	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	981.68	117.27
		For Cement Mortar Lining (CML), Add	*80.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*144.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0090	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,694.95	131.50
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0091	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,596.85	150.29
		For Cement Mortar Lining (CML), Add	*236.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*426.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*177.69*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0092	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,010.26	210.40
		For Cement Mortar Lining (CML), Add	*269.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*484.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*201.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0093	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,092.74	263.00
		For Cement Mortar Lining (CML), Add	*369.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*664.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0094	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,969.10	350.22
		For Cement Mortar Lining (CML), Add	*443.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*798.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*332.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0095	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	9,309.22	375.72
		For Cement Mortar Lining (CML), Add	*874.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,573.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*655.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0096	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	16,696.97	390.06
		For Cement Mortar Lining (CML), Add	*1,610.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,899.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,207.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0097		Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0002)*		
33 14 13 13-0098	EA	3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	181.69	43.21
		For Cement Mortar Lining (CML), Add	*11.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*20.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0099	EA	4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	198.20	51.64
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0100	EA	6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	319.86	76.31
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0101	EA	8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	465.22	90.51
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0102	EA	10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	638.75	99.96
		For Cement Mortar Lining (CML), Add	*48.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*87.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0103	EA	12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	871.10	117.27
		For Cement Mortar Lining (CML), Add	*69.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0104	EA	14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,498.14	131.50
		For Cement Mortar Lining (CML), Add	*129.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*233.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*97.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0105	EA	16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,287.59	150.29
		For Cement Mortar Lining (CML), Add	*205.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*370.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*154.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,697.25	210.40
		For Cement Mortar Lining (CML), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*428.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,504.21	263.00
		For Cement Mortar Lining (CML), Add	*310.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*559.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	4,401.18	350.22
		For Cement Mortar Lining (CML), Add	*387.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*696.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*290.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	8,171.51	375.72
		For Cement Mortar Lining (CML), Add	*760.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,368.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*570.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	14,603.36	390.06
		For Cement Mortar Lining (CML), Add	*1,401.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,522.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,050.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0111		Mechanical Joint Ductile Iron Tee *(33 14 13 13-0002)*		
33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee	315.64	64.83
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee	327.19	72.45
		For Cement Mortar Lining (CML), Add	*21.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*39.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*16.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee	297.37	76.31
		For Cement Mortar Lining (CML), Add	*18.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee	396.81	96.13
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee	457.16	100.10
		For Cement Mortar Lining (CML), Add	*30.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee	497.72	112.06
		For Cement Mortar Lining (CML), Add	*32.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*59.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee	529.99	116.00
		For Cement Mortar Lining (CML), Add	*35.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*63.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*26.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0119	EA	8" x 6" Mechanical Joint Ductile Iron Tee	602.41	127.91
		For Cement Mortar Lining (CML), Add	*40.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*73.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*30.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0120	EA	8" x 8" Mechanical Joint Ductile Iron Tee	698.80	135.90
		For Cement Mortar Lining (CML), Add	*49.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*88.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*36.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0121	EA	10" x 4" Mechanical Joint Ductile Iron Tee	731.79	124.24
		For Cement Mortar Lining (CML), Add	*54.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0122	EA	10" x 6" Mechanical Joint Ductile Iron Tee	731.99	135.51
		For Cement Mortar Lining (CML), Add	*52.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0123	EA	10" x 8" Mechanical Joint Ductile Iron Tee	833.37	143.02
		For Cement Mortar Lining (CML), Add	*61.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0124	EA	10" x 10" Mechanical Joint Ductile Iron Tee	932.45	150.29
		For Cement Mortar Lining (CML), Add	*70.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.86*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0125	EA	12" x 4" Mechanical Joint Ductile Iron Tee	876.38	139.27
		For Cement Mortar Lining (CML), Add	*66.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0126	EA	12" x 6" Mechanical Joint Ductile Iron Tee	996.54	150.53
		For Cement Mortar Lining (CML), Add	*76.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*138.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0127	EA	12" x 8" Mechanical Joint Ductile Iron Tee	1,227.24	158.05
		For Cement Mortar Lining (CML), Add	*98.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*74.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0128	EA	12" x 10" Mechanical Joint Ductile Iron Tee	1,315.08	165.31
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0129	EA	12" x 12" Mechanical Joint Ductile Iron Tee	1,245.88	172.83
		For Cement Mortar Lining (CML), Add	*98.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0130	EA	14" x 6" Mechanical Joint Ductile Iron Tee	1,330.37	175.41
		For Cement Mortar Lining (CML), Add	*106.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*191.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0131	EA	14" x 8" Mechanical Joint Ductile Iron Tee	1,482.34	182.93
		For Cement Mortar Lining (CML), Add	*120.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*216.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*90.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee	1,898.19	190.18
		For Cement Mortar Lining (CML), Add	*161.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*289.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*120.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee	2,029.54	197.70
		For Cement Mortar Lining (CML), Add	*173.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*311.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*129.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee	1,956.55	210.18
		For Cement Mortar Lining (CML), Add	*163.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*294.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*122.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee	1,692.56	210.39
		For Cement Mortar Lining (CML), Add	*137.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*247.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*103.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee	1,822.14	217.92
		For Cement Mortar Lining (CML), Add	*149.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*268.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*111.90*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee	2,125.52	225.17
		For Cement Mortar Lining (CML), Add	*178.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*321.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*133.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee	2,328.09	232.69
		For Cement Mortar Lining (CML), Add	*197.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*355.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee	2,806.15	245.12
		For Cement Mortar Lining (CML), Add	*243.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*438.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*182.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee	2,648.97	262.66
		For Cement Mortar Lining (CML), Add	*225.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*405.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*168.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee	2,353.51	269.26
		For Cement Mortar Lining (CML), Add	*194.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*350.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*145.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee	2,526.12	276.78
		For Cement Mortar Lining (CML), Add	*210.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*379.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee	2,735.78	284.04
		For Cement Mortar Lining (CML), Add	*230.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*414.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*172.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee	2,943.97	291.56
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0145	EA	18" x 14" Mechanical Joint Ductile Iron Tee	3,028.42	303.99
		For Cement Mortar Lining (CML), Add	*256.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*462.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*192.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0146	EA	18" x 16" Mechanical Joint Ductile Iron Tee	3,232.98	321.49
		For Cement Mortar Lining (CML), Add	*274.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*205.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0147	EA	18" x 18" Mechanical Joint Ductile Iron Tee	3,789.27	350.90
		For Cement Mortar Lining (CML), Add	*325.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*586.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*244.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0148	EA	20" x 6" Mechanical Joint Ductile Iron Tee	2,774.25	386.12
		For Cement Mortar Lining (CML), Add	*218.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*394.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*164.19*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0149	EA	20" x 8" Mechanical Joint Ductile Iron Tee	2,834.37	393.65
		For Cement Mortar Lining (CML), Add	*223.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*402.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*167.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0150	EA	20" x 10" Mechanical Joint Ductile Iron Tee	3,090.91	400.91
		For Cement Mortar Lining (CML), Add	*248.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*447.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*186.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0151	EA	20" x 12" Mechanical Joint Ductile Iron Tee	3,345.96	408.42
		For Cement Mortar Lining (CML), Add	*272.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*490.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*204.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0152	EA	20" x 14" Mechanical Joint Ductile Iron Tee	3,385.42	420.85
		For Cement Mortar Lining (CML), Add	*274.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*494.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*206.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0153	EA	20" x 16" Mechanical Joint Ductile Iron Tee	3,434.41	438.35
		For Cement Mortar Lining (CML), Add	*277.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*498.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*207.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0154	EA	20" x 18" Mechanical Joint Ductile Iron Tee	4,326.21	467.78
		For Cement Mortar Lining (CML), Add	*361.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*651.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*271.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0155	EA	20" x 20" Mechanical Joint Ductile Iron Tee	3,799.96	526.23
		For Cement Mortar Lining (CML), Add	*300.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*540.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0156	EA	24" x 6" Mechanical Joint Ductile Iron Tee	3,394.98	502.63
		For Cement Mortar Lining (CML), Add	*263.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*197.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0157	EA	24" x 8" Mechanical Joint Ductile Iron Tee	3,440.12	510.87
		For Cement Mortar Lining (CML), Add	*266.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*480.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*200.04*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0158	EA	24" x 10" Mechanical Joint Ductile Iron Tee	3,795.99	517.41
		For Cement Mortar Lining (CML), Add	*301.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*542.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*225.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0159	EA	24" x 12" Mechanical Joint Ductile Iron Tee	3,891.71	524.92
		For Cement Mortar Lining (CML), Add	*309.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0160	EA	24" x 14" Mechanical Joint Ductile Iron Tee	4,386.62	537.36
		For Cement Mortar Lining (CML), Add	*357.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*643.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*267.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0161	EA	24" x 16" Mechanical Joint Ductile Iron Tee	4,741.15	554.85
		For Cement Mortar Lining (CML), Add	*390.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*702.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*292.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0162	EA	24" x 18" Mechanical Joint Ductile Iron Tee	5,393.03	584.29
		For Cement Mortar Lining (CML), Add	*450.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*811.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*338.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0163	EA	24" x 20" Mechanical Joint Ductile Iron Tee	5,978.25	642.72
		For Cement Mortar Lining (CML), Add	*500.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*900.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*375.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0164	EA	24" x 24" Mechanical Joint Ductile Iron Tee	5,519.20	701.00
		For Cement Mortar Lining (CML), Add	*445.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*802.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*334.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0165	EA	30" x 8" Mechanical Joint Ductile Iron Tee	5,927.19	592.94
		For Cement Mortar Lining (CML), Add	*502.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*905.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*377.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0166	EA	30" x 10" Mechanical Joint Ductile Iron Tee	6,247.45	600.20
		For Cement Mortar Lining (CML), Add	*533.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*960.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*400.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0167	EA	30" x 12" Mechanical Joint Ductile Iron Tee	6,568.10	607.70
		For Cement Mortar Lining (CML), Add	*564.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,016.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*423.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0168	EA	30" x 14" Mechanical Joint Ductile Iron Tee	7,025.54	620.15
		For Cement Mortar Lining (CML), Add	*608.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,095.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*456.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0169	EA	30" x 16" Mechanical Joint Ductile Iron Tee	7,520.62	825.10
		For Cement Mortar Lining (CML), Add	*655.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,179.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*491.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0170	EA	30" x 18" Mechanical Joint Ductile Iron Tee	7,722.66	667.08
		For Cement Mortar Lining (CML), Add	*671.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,208.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*503.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0171	EA	30" x 20" Mechanical Joint Ductile Iron Tee	8,030.49	725.51
		For Cement Mortar Lining (CML), Add	*693.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,247.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*519.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0172	EA	30" x 24" Mechanical Joint Ductile Iron Tee	8,435.52	783.76
		For Cement Mortar Lining (CML), Add	*724.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,304.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*543.60*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0173	EA	30" x 30" Mechanical Joint Ductile Iron Tee	10,593.72	825.10
		For Cement Mortar Lining (CML), Add	*934.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,681.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*700.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0174	EA	30" x 6" Mechanical Joint Ductile Iron Tee	6,200.69	585.42
		For Cement Mortar Lining (CML), Add	*531.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*956.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*398.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0175	EA	36" x 8" Mechanical Joint Ductile Iron Tee	7,253.09	657.76
		For Cement Mortar Lining (CML), Add	*625.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,126.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*469.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0176	EA	36" x 10" Mechanical Joint Ductile Iron Tee	8,077.55	665.03
		For Cement Mortar Lining (CML), Add	*706.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,272.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*530.25*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0177	EA	36" x 12" Mechanical Joint Ductile Iron Tee	8,523.78	672.54
		For Cement Mortar Lining (CML), Add	*750.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,350.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*562.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0178	EA	36" x 14" Mechanical Joint Ductile Iron Tee	8,844.38	684.97
		For Cement Mortar Lining (CML), Add	*780.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,405.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*585.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0179	EA	36" x 16" Mechanical Joint Ductile Iron Tee	9,168.91	702.47
		For Cement Mortar Lining (CML), Add	*810.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,458.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*607.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0180	EA	36" x 18" Mechanical Joint Ductile Iron Tee	9,790.79	731.91
		For Cement Mortar Lining (CML), Add	*868.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,562.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*651.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0181	EA	36" x 20" Mechanical Joint Ductile Iron Tee	10,458.50	790.33
		For Cement Mortar Lining (CML), Add	*926.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0182	EA	36" x 24" Mechanical Joint Ductile Iron Tee	11,573.87	848.58
		For Cement Mortar Lining (CML), Add	*1,028.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,851.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*771.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0183	EA	36" x 30" Mechanical Joint Ductile Iron Tee	12,800.56	922.45
		For Cement Mortar Lining (CML), Add	*1,145.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,061.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*858.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee	14,958.27	922.45
		For Cement Mortar Lining (CML), Add	*1,356.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,440.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,017.05*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee	16,848.18	708.77
		For Cement Mortar Lining (CML), Add	*1,577.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,183.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee	17,185.65	721.21
		For Cement Mortar Lining (CML), Add	*1,609.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,896.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,206.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee	19,107.10	738.70
		For Cement Mortar Lining (CML), Add	*1,798.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,237.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,349.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee	17,858.41	768.13
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee	17,946.95	826.58
		For Cement Mortar Lining (CML), Add	*1,669.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,005.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,252.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee	18,340.71	884.82
		For Cement Mortar Lining (CML), Add	*1,700.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,060.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,275.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee	22,257.04	926.21
		For Cement Mortar Lining (CML), Add	*2,085.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,753.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,564.03*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee	23,181.45	958.63
		For Cement Mortar Lining (CML), Add	*2,172.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,911.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,629.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee	24,526.55	976.76
		For Cement Mortar Lining (CML), Add	*2,304.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,148.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,728.50*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee	19,857.73	766.51
		For Cement Mortar Lining (CML), Add	*1,869.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,365.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,402.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee	20,213.95	778.95
		For Cement Mortar Lining (CML), Add	*1,903.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,426.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,427.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee	20,718.40	796.45
		For Cement Mortar Lining (CML), Add	*1,951.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,512.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,463.38*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0197	EA	48" x 18" Mechanical Joint Ductile Iron Tee	21,239.07	825.87
		For Cement Mortar Lining (CML), Add	*1,998.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,597.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,499.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0198	EA	48" x 20" Mechanical Joint Ductile Iron Tee	21,805.56	884.31
		For Cement Mortar Lining (CML), Add	*2,046.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,683.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,534.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0199	EA	48" x 24" Mechanical Joint Ductile Iron Tee	21,957.55	942.56
		For Cement Mortar Lining (CML), Add	*2,052.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,695.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,539.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0200	EA	48" x 30" Mechanical Joint Ductile Iron Tee	26,741.69	983.95
		For Cement Mortar Lining (CML), Add	*2,525.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,545.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,893.81*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0201	EA	48" x 36" Mechanical Joint Ductile Iron Tee	30,501.94	1,016.37
		For Cement Mortar Lining (CML), Add	*2,896.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,213.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,172.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0202	EA	48" x 42" Mechanical Joint Ductile Iron Tee	31,998.86	1,034.48
		For Cement Mortar Lining (CML), Add	*3,043.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,477.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,282.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0203	EA	48" x 48" Mechanical Joint Ductile Iron Tee	32,531.81	1,063.40
		For Cement Mortar Lining (CML), Add	*3,092.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,565.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,319.05*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0204 Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0002)*

33 14 13 13-0205	EA	4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	269.09	72.45
		For Cement Mortar Lining (CML), Add	*15.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*28.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0206	EA	4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	413.58	76.26
		For Cement Mortar Lining (CML), Add	*29.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0207	EA	6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)	396.81	96.13
		For Cement Mortar Lining (CML), Add	*25.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*45.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0208	EA	6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	459.04	100.10
		For Cement Mortar Lining (CML), Add	*30.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0209	EA	6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	619.55	112.00
		For Cement Mortar Lining (CML), Add	*44.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*80.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*33.74*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	796.14	116.00
		For Cement Mortar Lining (CML), Add	*62.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*111.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.53*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	713.00	127.91
		For Cement Mortar Lining (CML), Add	*51.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*93.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*38.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	861.86	135.85
		For Cement Mortar Lining (CML), Add	*65.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*118.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*49.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,232.24	124.24
		For Cement Mortar Lining (CML), Add	*104.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*187.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,303.66	135.51
		For Cement Mortar Lining (CML), Add	*109.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*197.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*82.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,498.75	143.02
		For Cement Mortar Lining (CML), Add	*128.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*96.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,687.81	150.29
		For Cement Mortar Lining (CML), Add	*146.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*262.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*109.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,573.63	139.27
		For Cement Mortar Lining (CML), Add	*136.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*245.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*102.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,780.01	150.53
		For Cement Mortar Lining (CML), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*279.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*116.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,145.65	158.05
		For Cement Mortar Lining (CML), Add	*190.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*343.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,207.26	165.31
		For Cement Mortar Lining (CML), Add	*195.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*352.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*146.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	1,999.35	172.82
		For Cement Mortar Lining (CML), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*312.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*130.31*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,357.50	175.41
		For Cement Mortar Lining (CML), Add	*209.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*376.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0223	EA	14" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,698.77	182.93
		For Cement Mortar Lining (CML), Add	*242.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*435.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*181.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0224	EA	14" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,525.10	190.18
		For Cement Mortar Lining (CML), Add	*323.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*582.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*242.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0225	EA	14" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,776.40	197.70
		For Cement Mortar Lining (CML), Add	*347.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*625.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*260.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0226	EA	14" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	3,690.29	210.13
		For Cement Mortar Lining (CML), Add	*337.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*606.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*252.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0227	EA	16" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,421.77	210.39
		For Cement Mortar Lining (CML), Add	*210.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0228	EA	16" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,665.58	217.92
		For Cement Mortar Lining (CML), Add	*233.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*420.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*175.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0229	EA	16" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	3,143.28	225.17
		For Cement Mortar Lining (CML), Add	*280.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*504.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*210.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0230	EA	16" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	3,516.41	232.69
		For Cement Mortar Lining (CML), Add	*316.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*569.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*237.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0231	EA	16" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,401.20	245.12
		For Cement Mortar Lining (CML), Add	*402.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0232	EA	16" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,244.01	262.61
		For Cement Mortar Lining (CML), Add	*384.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*692.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*288.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0233	EA	18" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	3,813.61	269.26
		For Cement Mortar Lining (CML), Add	*340.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*613.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*255.42*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0234	EA	18" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,106.17	276.78
		For Cement Mortar Lining (CML), Add	*368.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*663.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*276.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0235	EA	18" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	4,388.93	284.04
		For Cement Mortar Lining (CML), Add	*395.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*712.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*296.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0236	EA	18" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	4,696.46	291.56
		For Cement Mortar Lining (CML), Add	*425.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*765.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*319.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0237	EA	18" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	4,749.04	303.99
		For Cement Mortar Lining (CML), Add	*428.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*771.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*321.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0238	EA	18" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	4,798.04	321.49
		For Cement Mortar Lining (CML), Add	*431.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*775.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*323.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0239	EA	18" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	4,389.05	350.92
		For Cement Mortar Lining (CML), Add	*385.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*694.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*289.30*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0240	EA	20" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	4,524.86	386.12
		For Cement Mortar Lining (CML), Add	*393.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*709.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*295.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0241	EA	20" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	4,624.34	393.65
		For Cement Mortar Lining (CML), Add	*402.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*725.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*302.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0242	EA	20" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	5,077.69	400.91
		For Cement Mortar Lining (CML), Add	*447.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*804.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*335.27*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0243	EA	20" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	5,527.66	408.42
		For Cement Mortar Lining (CML), Add	*490.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*883.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*368.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0244	EA	20" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	5,584.00	420.85
		For Cement Mortar Lining (CML), Add	*494.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*890.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0245	EA	20" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	5,649.86	438.35
		For Cement Mortar Lining (CML), Add	*498.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*897.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*373.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0246	EA	20" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	6,545.40	467.78
		For Cement Mortar Lining (CML), Add	*583.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,050.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*437.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0247	EA	20" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	6,202.84	526.21
		For Cement Mortar Lining (CML), Add	*540.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*973.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*405.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0248	EA	24" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	5,501.72	502.63
		For Cement Mortar Lining (CML), Add	*474.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*853.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*355.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0249	EA	24" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	5,573.09	510.15
		For Cement Mortar Lining (CML), Add	*480.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*864.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*360.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0250	EA	24" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	6,204.49	517.41
		For Cement Mortar Lining (CML), Add	*542.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*975.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*406.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0251	EA	24" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	6,493.26	524.92
		For Cement Mortar Lining (CML), Add	*569.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0252	EA	24" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	7,494.25	537.36
		For Cement Mortar Lining (CML), Add	*668.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,202.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*501.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0253	EA	24" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	8,324.85	554.85
		For Cement Mortar Lining (CML), Add	*748.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,347.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*561.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0254	EA	24" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	9,314.11	584.29
		For Cement Mortar Lining (CML), Add	*842.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,517.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*632.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0255	EA	24" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	10,232.96	642.72
		For Cement Mortar Lining (CML), Add	*925.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,666.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*694.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0256	EA	24" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	9,084.17	700.97
		For Cement Mortar Lining (CML), Add	*802.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,443.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*601.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0257	EA	30" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	11,343.82	585.42
		For Cement Mortar Lining (CML), Add	*1,045.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,882.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*784.26*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0258	EA	30" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	12,715.98	592.94
		For Cement Mortar Lining (CML), Add	*1,181.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,127.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*886.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0259	EA	30" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	13,454.21	600.20
		For Cement Mortar Lining (CML), Add	*1,254.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,258.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*940.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0260	EA	30" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	14,192.83	607.70
		For Cement Mortar Lining (CML), Add	*1,327.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,388.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*995.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0261	EA	30" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	15,240.68	620.15
		For Cement Mortar Lining (CML), Add	*1,430.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,574.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,072.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0262	EA	30" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	16,369.28	637.64
		For Cement Mortar Lining (CML), Add	*1,540.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,772.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,155.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0263	EA	30" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	16,783.12	667.08
		For Cement Mortar Lining (CML), Add	*1,577.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,839.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,182.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0264	EA	30" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	17,387.09	725.51
		For Cement Mortar Lining (CML), Add	*1,628.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,931.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,221.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0265	EA	30" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	18,219.47	783.76
		For Cement Mortar Lining (CML), Add	*1,703.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,065.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,277.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0266	EA	30" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	19,746.02	825.16
		For Cement Mortar Lining (CML), Add	*1,849.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,329.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,387.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0267	EA	36" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	21,657.14	672.54
		For Cement Mortar Lining (CML), Add	*2,063.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,714.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,547.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0268	EA	36" x 14" Mechanical Joint Ductile Iron Wye (Lateral)	22,506.30	684.97
		For Cement Mortar Lining (CML), Add	*2,146.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,864.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,610.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0269	EA	36" x 16" Mechanical Joint Ductile Iron Wye (Lateral)	23,351.89	702.47
		For Cement Mortar Lining (CML), Add	*2,228.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,011.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,671.57*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0270	EA	36" x 18" Mechanical Joint Ductile Iron Wye (Lateral)	24,984.03	731.91
		For Cement Mortar Lining (CML), Add	*2,387.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,297.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,790.63*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0271	EA	36" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	26,665.74	790.33
		For Cement Mortar Lining (CML), Add	*2,546.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,584.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,910.12*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0272	EA	36" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	29,578.59	848.58
		For Cement Mortar Lining (CML), Add	*2,829.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,092.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,121.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0273	EA	36" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	33,133.18	889.98
		For Cement Mortar Lining (CML), Add	*3,178.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,721.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,383.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0274	EA	36" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	39,538.10	922.39
		For Cement Mortar Lining (CML), Add	*3,814.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,865.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,860.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0275	EA	42" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,791.46	826.58
		For Cement Mortar Lining (CML), Add	*3,353.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,037.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,515.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0276	EA	42" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	35,661.30	884.82
		For Cement Mortar Lining (CML), Add	*3,432.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,177.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,574.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0277	EA	42" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	38,093.17	926.21
		For Cement Mortar Lining (CML), Add	*3,668.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,604.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,751.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0278	EA	42" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	43,559.06	958.63
		For Cement Mortar Lining (CML), Add	*4,210.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,579.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,158.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0279	EA	42" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	51,372.44	976.75
		For Cement Mortar Lining (CML), Add	*4,989.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,980.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,741.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0280	EA	48" x 20" Mechanical Joint Ductile Iron Wye (Lateral)	34,324.14	884.31
		For Cement Mortar Lining (CML), Add	*3,298.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,937.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,473.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0281	EA	48" x 24" Mechanical Joint Ductile Iron Wye (Lateral)	38,873.28	942.56
		For Cement Mortar Lining (CML), Add	*3,744.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,740.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,808.39*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0282	EA	48" x 30" Mechanical Joint Ductile Iron Wye (Lateral)	41,430.73	983.95
		For Cement Mortar Lining (CML), Add	*3,993.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,189.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,995.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0283	EA	48" x 36" Mechanical Joint Ductile Iron Wye (Lateral)	47,224.63	1,016.37
		For Cement Mortar Lining (CML), Add	*4,568.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,223.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,426.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0284	EA	48" x 42" Mechanical Joint Ductile Iron Wye (Lateral)	61,740.57	1,034.48
		For Cement Mortar Lining (CML), Add	*6,017.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10,831.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,512.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0285	EA	48" x 48" Mechanical Joint Ductile Iron Wye (Lateral)	67,782.13	1,063.36
		For Cement Mortar Lining (CML), Add	*6,617.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11,910.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4,962.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0286		**Mechanical Joint Ductile Iron Cross** *(33 14 13 13-0002)*		
33 14 13 13-0287	EA	3" x 3" Mechanical Joint Ductile Iron Cross	372.75	86.44
		For Cement Mortar Lining (CML), Add	*24.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.13*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0288	EA	4" x 3" Mechanical Joint Ductile Iron Cross	451.77	94.05
		For Cement Mortar Lining (CML), Add	*30.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*55.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0289	EA	4" x 4" Mechanical Joint Ductile Iron Cross	536.18	95.33
		For Cement Mortar Lining (CML), Add	*39.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*70.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0290	EA	6" x 3" Mechanical Joint Ductile Iron Cross	639.70	117.84
		For Cement Mortar Lining (CML), Add	*46.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*82.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*34.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0291	EA	6" x 4" Mechanical Joint Ductile Iron Cross	619.93	127.11
		For Cement Mortar Lining (CML), Add	*42.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0292	EA	6" x 6" Mechanical Joint Ductile Iron Cross	720.57	158.89
		For Cement Mortar Lining (CML), Add	*47.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*86.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0293	EA	8" x 4" Mechanical Joint Ductile Iron Cross	636.13	139.03
		For Cement Mortar Lining (CML), Add	*42.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*76.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0294	EA	8" x 6" Mechanical Joint Ductile Iron Cross	755.49	170.81
		For Cement Mortar Lining (CML), Add	*49.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0295	EA	8" x 8" Mechanical Joint Ductile Iron Cross	799.82	182.72
		For Cement Mortar Lining (CML), Add	*52.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*94.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*39.22*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0296	EA	10" x 4" Mechanical Joint Ductile Iron Cross	774.95	145.30
		For Cement Mortar Lining (CML), Add	*55.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*99.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*41.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0297	EA	10" x 6" Mechanical Joint Ductile Iron Cross	887.96	175.36
		For Cement Mortar Lining (CML), Add	*62.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*112.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0298	EA	10" x 8" Mechanical Joint Ductile Iron Cross	1,055.00	186.64
		For Cement Mortar Lining (CML), Add	*77.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*139.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*57.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0299	EA	10" x 10" Mechanical Joint Ductile Iron Cross	1,141.49	200.38
		For Cement Mortar Lining (CML), Add	*83.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0300	EA	12 x 4" Mechanical Joint Ductile Iron Cross	940.09	157.81
		For Cement Mortar Lining (CML), Add	*70.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0301	EA	12" x 6" Mechanical Joint Ductile Iron Cross	1,092.47	187.86
		For Cement Mortar Lining (CML), Add	*80.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*145.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0302	EA	12" x 8" Mechanical Joint Ductile Iron Cross	1,576.26	199.14
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0303	EA	12" x 10" Mechanical Joint Ductile Iron Cross	1,597.15	212.93
		For Cement Mortar Lining (CML), Add	*127.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*229.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0304	EA	12" x 12" Mechanical Joint Ductile Iron Cross	1,812.91	225.43
		For Cement Mortar Lining (CML), Add	*147.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*264.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.35*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0305	EA	14" x 6" Mechanical Joint Ductile Iron Cross	1,857.53	206.63
		For Cement Mortar Lining (CML), Add	*154.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*278.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*115.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0306	EA	14" x 8" Mechanical Joint Ductile Iron Cross	2,185.76	217.92
		For Cement Mortar Lining (CML), Add	*185.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*334.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*139.17*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0307	EA	14" x 10" Mechanical Joint Ductile Iron Cross	2,244.13	231.71
		For Cement Mortar Lining (CML), Add	*189.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*340.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*141.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0308	EA	14" x 12" Mechanical Joint Ductile Iron Cross	2,368.05	244.21
		For Cement Mortar Lining (CML), Add	*199.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*359.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*149.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0309	EA	14" x 14" Mechanical Joint Ductile Iron Cross	2,619.53	263.00
		For Cement Mortar Lining (CML), Add	*222.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*399.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*166.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0310	EA	16" x 6" Mechanical Joint Ductile Iron Cross	2,124.15	232.93
		For Cement Mortar Lining (CML), Add	*177.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*318.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*132.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0311	EA	16" x 8" Mechanical Joint Ductile Iron Cross	2,416.77	244.21
		For Cement Mortar Lining (CML), Add	*204.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*368.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*153.51*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0312	EA	16" x 10" Mechanical Joint Ductile Iron Cross	2,892.33	257.98
		For Cement Mortar Lining (CML), Add	*250.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0313	EA	16" x 12" Mechanical Joint Ductile Iron Cross	3,223.19	270.50
		For Cement Mortar Lining (CML), Add	*281.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*506.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*211.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0314	EA	16" x 14" Mechanical Joint Ductile Iron Cross	3,892.67	289.27
		For Cement Mortar Lining (CML), Add	*345.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*621.79*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0315	EA	16" x 16" Mechanical Joint Ductile Iron Cross	4,556.63	315.60
		For Cement Mortar Lining (CML), Add	*407.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*734.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0316	EA	18" x 6" Mechanical Joint Ductile Iron Cross	3,511.80	275.43
		For Cement Mortar Lining (CML), Add	*309.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*557.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*232.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0317	EA	18" x 8" Mechanical Joint Ductile Iron Cross	3,712.59	286.71
		For Cement Mortar Lining (CML), Add	*327.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*590.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*245.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0318	EA	18" x 10" Mechanical Joint Ductile Iron Cross	3,887.16	300.49
		For Cement Mortar Lining (CML), Add	*343.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*617.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*257.39*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0319	EA	18" x 12" Mechanical Joint Ductile Iron Cross	4,213.49	312.99
		For Cement Mortar Lining (CML), Add	*373.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*673.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*280.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0320	EA	18" x 14" Mechanical Joint Ductile Iron Cross	4,914.83	331.77
		For Cement Mortar Lining (CML), Add	*441.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*794.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0321	EA	18" x 16" Mechanical Joint Ductile Iron Cross	5,232.06	358.05
		For Cement Mortar Lining (CML), Add	*468.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*844.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*351.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0322	EA	18" x 18" Mechanical Joint Ductile Iron Cross	5,480.13	400.54
		For Cement Mortar Lining (CML), Add	*487.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*877.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*365.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0323	EA	20" x 6" Mechanical Joint Ductile Iron Cross	4,414.69	345.57
		For Cement Mortar Lining (CML), Add	*389.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*700.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*291.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0324	EA	20" x 8" Mechanical Joint Ductile Iron Cross	4,617.34	356.86
		For Cement Mortar Lining (CML), Add	*407.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0325	EA	20" x 10" Mechanical Joint Ductile Iron Cross	4,760.05	370.64
		For Cement Mortar Lining (CML), Add	*419.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*755.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*314.89*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0326	EA	20" x 12" Mechanical Joint Ductile Iron Cross	5,084.52	383.14
		For Cement Mortar Lining (CML), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*810.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*337.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0327	EA	20" x 14" Mechanical Joint Ductile Iron Cross	5,174.81	401.93
		For Cement Mortar Lining (CML), Add	*456.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*821.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*342.44*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0328	EA	20" x 16" Mechanical Joint Ductile Iron Cross	6,256.77	428.20
		For Cement Mortar Lining (CML), Add	*560.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,009.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*420.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0329	EA	20" x 18" Mechanical Joint Ductile Iron Cross	6,504.84	470.71
		For Cement Mortar Lining (CML), Add	*579.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,042.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*434.37*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0330	EA	20" x 20" Mechanical Joint Ductile Iron Cross	7,040.36	540.80
		For Cement Mortar Lining (CML), Add	*622.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,119.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*466.57*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0331	EA	24" x 6" Mechanical Joint Ductile Iron Cross	6,017.42	432.30
		For Cement Mortar Lining (CML), Add	*536.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*965.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*402.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0332	EA	24" x 8" Mechanical Joint Ductile Iron Cross	6,158.56	443.58
		For Cement Mortar Lining (CML), Add	*548.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*987.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*411.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0333	EA	24" x 10" Mechanical Joint Ductile Iron Cross	6,392.77	457.35
		For Cement Mortar Lining (CML), Add	*569.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,025.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*427.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0334	EA	24" x 12" Mechanical Joint Ductile Iron Cross	6,595.41	469.86
		For Cement Mortar Lining (CML), Add	*588.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,059.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*441.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0335	EA	24" x 14" Mechanical Joint Ductile Iron Cross	6,715.69	488.64
		For Cement Mortar Lining (CML), Add	*597.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,075.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*448.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0336	EA	24" x 16" Mechanical Joint Ductile Iron Cross	6,971.06	514.93
		For Cement Mortar Lining (CML), Add	*619.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,114.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*464.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0337	EA	24" x 18" Mechanical Joint Ductile Iron Cross	9,211.54	557.42
		For Cement Mortar Lining (CML), Add	*836.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,506.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*627.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0338	EA	24" x 20" Mechanical Joint Ductile Iron Cross	9,715.20	627.57
		For Cement Mortar Lining (CML), Add	*876.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,577.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*657.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0339	EA	24" x 24" Mechanical Joint Ductile Iron Cross	10,705.03	714.32
		For Cement Mortar Lining (CML), Add	*962.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,732.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*721.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0340	EA	30" x 8" Mechanical Joint Ductile Iron Cross	11,500.17	574.79
		For Cement Mortar Lining (CML), Add	*1,062.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,913.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*797.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0341	EA	30" x 10" Mechanical Joint Ductile Iron Cross	11,729.10	588.58
		For Cement Mortar Lining (CML), Add	*1,083.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,950.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*812.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0342	EA	30" x 12" Mechanical Joint Ductile Iron Cross	11,954.24	601.08
		For Cement Mortar Lining (CML), Add	*1,104.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,987.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*828.26*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0343	EA	30" x 14" Mechanical Joint Ductile Iron Cross	12,220.72	619.87
		For Cement Mortar Lining (CML), Add	*1,128.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,030.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*846.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0344	EA	30" x 16" Mechanical Joint Ductile Iron Cross	12,526.70	646.15
		For Cement Mortar Lining (CML), Add	*1,154.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,078.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*866.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0345	EA	30" x 18" Mechanical Joint Ductile Iron Cross	12,887.23	688.65
		For Cement Mortar Lining (CML), Add	*1,184.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,131.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*888.29*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0346	EA	30" x 20" Mechanical Joint Ductile Iron Cross	13,347.77	758.81
		For Cement Mortar Lining (CML), Add	*1,219.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,195.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*914.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0347	EA	30" x 24" Mechanical Joint Ductile Iron Cross	17,154.71	845.52
		For Cement Mortar Lining (CML), Add	*1,587.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,857.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,190.52*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0348	EA	30" x 30" Mechanical Joint Ductile Iron Cross	19,726.42	976.76
		For Cement Mortar Lining (CML), Add	*1,824.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,284.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,368.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0349	EA	36" x 8" Mechanical Joint Ductile Iron Cross	16,045.60	623.17
		For Cement Mortar Lining (CML), Add	*1,510.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,718.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,132.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0350	EA	36" x 10" Mechanical Joint Ductile Iron Cross	16,272.65	636.95
		For Cement Mortar Lining (CML), Add	*1,530.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,755.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,148.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0351	EA	36" x 12" Mechanical Joint Ductile Iron Cross	16,467.79	649.46
		For Cement Mortar Lining (CML), Add	*1,548.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,787.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,161.28*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0352	EA	36" x 14" Mechanical Joint Ductile Iron Cross	16,702.40	668.23
		For Cement Mortar Lining (CML), Add	*1,568.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,824.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,176.74*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0353	EA	36" x 16" Mechanical Joint Ductile Iron Cross	16,978.40	694.53
		For Cement Mortar Lining (CML), Add	*1,592.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,866.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,194.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0354	EA	36" x 18" Mechanical Joint Ductile Iron Cross	17,307.08	737.01
		For Cement Mortar Lining (CML), Add	*1,619.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,914.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,214.28*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0355	EA	36" x 20" Mechanical Joint Ductile Iron Cross	17,737.62	807.17
		For Cement Mortar Lining (CML), Add	*1,651.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,972.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,238.60*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0356	EA	36" x 24" Mechanical Joint Ductile Iron Cross	18,487.54	893.90
		For Cement Mortar Lining (CML), Add	*1,713.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,083.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,284.99*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0357	EA	36" x 30" Mechanical Joint Ductile Iron Cross	24,897.86	1,025.11
		For Cement Mortar Lining (CML), Add	*2,334.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,202.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,750.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0358	EA	36" x 36" Mechanical Joint Ductile Iron Cross	27,355.29	1,073.53
		For Cement Mortar Lining (CML), Add	*2,572.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,631.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,929.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0359	EA	42" x 12" Mechanical Joint Ductile Iron Cross	21,533.35	677.42
		For Cement Mortar Lining (CML), Add	*2,050.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,691.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,538.02*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0360	EA	42" x 14" Mechanical Joint Ductile Iron Cross	24,346.56	696.21
		For Cement Mortar Lining (CML), Add	*2,329.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*4,192.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,746.88*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0361	EA	42" x 16" Mechanical Joint Ductile Iron Cross	22,023.33	722.48
		For Cement Mortar Lining (CML), Add	*2,092.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,767.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,569.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0362	EA	42" x 18" Mechanical Joint Ductile Iron Cross	22,314.52	764.99
		For Cement Mortar Lining (CML), Add	*2,115.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,807.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,586.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0363	EA	42" x 20" Mechanical Joint Ductile Iron Cross	22,730.08	835.14
		For Cement Mortar Lining (CML), Add	*2,146.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,863.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,609.85*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0364	EA	42" x 24" Mechanical Joint Ductile Iron Cross	23,425.64	921.85
		For Cement Mortar Lining (CML), Add	*2,202.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*3,965.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,652.17*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0365	EA	42" x 30" Mechanical Joint Ductile Iron Cross	29,989.65	1,053.09
		For Cement Mortar Lining (CML), Add	*2,839.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,110.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,129.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross	39,162.77	1,101.45
		For Cement Mortar Lining (CML), Add	*3,749.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,748.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,812.04*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross	41,964.14	1,129.43
		For Cement Mortar Lining (CML), Add	*4,025.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*7,245.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,018.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross	29,110.77	788.46
		For Cement Mortar Lining (CML), Add	*2,791.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,024.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,093.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross	29,307.91	807.25
		For Cement Mortar Lining (CML), Add	*2,808.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,055.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,106.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross	29,572.66	833.53
		For Cement Mortar Lining (CML), Add	*2,830.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,095.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,123.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross	29,861.97	876.03
		For Cement Mortar Lining (CML), Add	*2,853.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,136.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,140.10*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross	30,251.29	946.19
		For Cement Mortar Lining (CML), Add	*2,881.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,187.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,161.33*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross	30,916.86	1,032.90
		For Cement Mortar Lining (CML), Add	*2,935.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,283.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,201.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross	32,721.97	1,164.13
		For Cement Mortar Lining (CML), Add	*3,095.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*5,572.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,321.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross	40,090.12	1,212.49
		For Cement Mortar Lining (CML), Add	*3,825.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*6,885.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2,868.98*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross	51,541.48	1,240.47
		For Cement Mortar Lining (CML), Add	*4,966.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8,939.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,724.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross	54,892.32	1,351.45
		For Cement Mortar Lining (CML), Add	*5,284.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9,512.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3,963.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0378		Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0002)*		
33 14 13 13-0379	EA	4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	179.96	47.03
		For Cement Mortar Lining (CML), Add	*10.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*19.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.15*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0380	EA	6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	209.28	58.95
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0381	EA	6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	226.29	62.76
		For Cement Mortar Lining (CML), Add	*13.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*23.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0382	EA	8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	287.17	70.71
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0383	EA	8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	316.36	82.62
		For Cement Mortar Lining (CML), Add	*19.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.41*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0384	EA	10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	346.63	74.14
		For Cement Mortar Lining (CML), Add	*23.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.57*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0385	EA	10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	376.82	85.41
		For Cement Mortar Lining (CML), Add	*24.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*44.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0386	EA	10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	412.58	92.93
		For Cement Mortar Lining (CML), Add	*27.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0387	EA	12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	419.86	81.66
		For Cement Mortar Lining (CML), Add	*29.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*53.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0388	EA	12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	466.92	92.93
		For Cement Mortar Lining (CML), Add	*32.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*58.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*24.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0389	EA	12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	487.69	100.44
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0390	EA	12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	534.31	107.70
		For Cement Mortar Lining (CML), Add	*37.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0391	EA	14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	883.12	105.36
		For Cement Mortar Lining (CML), Add	*72.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*130.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*54.26*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	857.04	112.89
		For Cement Mortar Lining (CML), Add	*68.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*123.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	766.82	120.14
		For Cement Mortar Lining (CML), Add	*58.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*105.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	806.31	127.66
		For Cement Mortar Lining (CML), Add	*61.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,037.08	122.85
		For Cement Mortar Lining (CML), Add	*85.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*153.17*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*63.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,016.62	130.38
		For Cement Mortar Lining (CML), Add	*81.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*147.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.43*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	997.63	137.64
		For Cement Mortar Lining (CML), Add	*78.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*142.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*59.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,082.11	145.15
		For Cement Mortar Lining (CML), Add	*86.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*155.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*64.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,204.03	157.59
		For Cement Mortar Lining (CML), Add	*96.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*173.75*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*72.40*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,293.62	159.81
		For Cement Mortar Lining (CML), Add	*105.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*78.86*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,450.83	167.07
		For Cement Mortar Lining (CML), Add	*119.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,398.48	174.58
		For Cement Mortar Lining (CML), Add	*113.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*204.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*85.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,482.92	187.02
		For Cement Mortar Lining (CML), Add	*119.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*215.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*89.97*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,561.92	204.52
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0405	EA	20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,826.38	218.25
		For Cement Mortar Lining (CML), Add	*149.57*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*269.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*112.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0406	EA	20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,751.16	225.50
		For Cement Mortar Lining (CML), Add	*140.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*253.71*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*105.71*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0407	EA	20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,614.47	233.02
		For Cement Mortar Lining (CML), Add	*126.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*227.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*94.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0408	EA	20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,623.94	245.44
		For Cement Mortar Lining (CML), Add	*125.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*225.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.90*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0409	EA	20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,676.69	262.95
		For Cement Mortar Lining (CML), Add	*127.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*230.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*95.87*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0410	EA	20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,011.81	292.38
		For Cement Mortar Lining (CML), Add	*156.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*282.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*117.66*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0411	EA	24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,373.73	291.27
		For Cement Mortar Lining (CML), Add	*193.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*347.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0412	EA	24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,441.32	303.70
		For Cement Mortar Lining (CML), Add	*198.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*356.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*148.59*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0413	EA	24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,494.06	321.19
		For Cement Mortar Lining (CML), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*361.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*150.56*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0414	EA	24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,450.56	350.63
		For Cement Mortar Lining (CML), Add	*191.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*345.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*143.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0415	EA	24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,996.43	409.07
		For Cement Mortar Lining (CML), Add	*237.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*427.80*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0416	EA	30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,907.17	362.59
		For Cement Mortar Lining (CML), Add	*435.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*784.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*326.83*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0417	EA	30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,124.21	392.02
		For Cement Mortar Lining (CML), Add	*453.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*815.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*339.77*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,961.58	450.46
		For Cement Mortar Lining (CML), Add	*427.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*770.23*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*320.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,845.54	508.71
		For Cement Mortar Lining (CML), Add	*407.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*733.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*305.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,361.09	482.86
		For Cement Mortar Lining (CML), Add	*662.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,193.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*497.21*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,082.96	541.11
		For Cement Mortar Lining (CML), Add	*526.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*947.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*394.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	6,606.77	582.51
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,577.69	413.12
		For Cement Mortar Lining (CML), Add	*895.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,611.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*671.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,539.81	442.56
		For Cement Mortar Lining (CML), Add	*886.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,596.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*665.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,598.36	500.98
		For Cement Mortar Lining (CML), Add	*883.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,591.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*662.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	10,711.88	559.24
		For Cement Mortar Lining (CML), Add	*986.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,775.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*739.84*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	8,829.05	600.63
		For Cement Mortar Lining (CML), Add	*791.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,425.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*593.93*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,241.78	633.04
		For Cement Mortar Lining (CML), Add	*828.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,490.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*621.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,908.99	441.99
		For Cement Mortar Lining (CML), Add	*1,223.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,203.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*917.95*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,514.99	471.43
		For Cement Mortar Lining (CML), Add	*1,180.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,124.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*885.05*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0431	EA	48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,928.77	529.85
		For Cement Mortar Lining (CML), Add	*1,112.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,002.67*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*834.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0432	EA	48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,300.06	588.10
		For Cement Mortar Lining (CML), Add	*1,140.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,053.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*855.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0433	EA	48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,700.06	629.50
		For Cement Mortar Lining (CML), Add	*1,374.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,474.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1,030.97*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0434	EA	48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,872.97	661.91
		For Cement Mortar Lining (CML), Add	*1,187.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,136.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*890.26*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0435	EA	48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer	14,133.72	680.03
		For Cement Mortar Lining (CML), Add	*1,310.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,358.61*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*982.75*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0436 Mechanical Joint Ductile Iron Caps *(33 14 13 13-0002)*

33 14 13 13-0437	EA	3" Mechanical Joint Ductile Iron Caps	199.19	99.30
		For Cement Mortar Lining (CML), Add	*4.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*8.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.65*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0438	EA	4" Mechanical Joint Ductile Iron Caps	227.14	116.52
		For Cement Mortar Lining (CML), Add	*5.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*9.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.80*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0439	EA	6" Mechanical Joint Ductile Iron Caps	310.64	145.65
		For Cement Mortar Lining (CML), Add	*9.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*16.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0440	EA	8" Mechanical Joint Ductile Iron Caps	402.15	166.47
		For Cement Mortar Lining (CML), Add	*15.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*11.25*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0441	EA	10" Mechanical Joint Ductile Iron Caps	568.83	250.48
		For Cement Mortar Lining (CML), Add	*18.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*34.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*14.20*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0442	EA	12" Mechanical Joint Ductile Iron Caps	697.04	273.25
		For Cement Mortar Lining (CML), Add	*28.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*50.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.23*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0443	EA	14" Mechanical Joint Ductile Iron Caps	884.64	300.58
		For Cement Mortar Lining (CML), Add	*42.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*77.26*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*32.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0444	EA	16" Mechanical Joint Ductile Iron Caps	1,081.44	333.94
		For Cement Mortar Lining (CML), Add	*57.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*103.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*43.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0445	EA	18" Mechanical Joint Ductile Iron Caps	1,272.14	375.72
		For Cement Mortar Lining (CML), Add	*70.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*126.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*52.72*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0446	EA	20" Mechanical Joint Ductile Iron Caps	1,559.65	429.35
		For Cement Mortar Lining (CML), Add	*90.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*163.63*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*68.18*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0447	EA	24" Mechanical Joint Ductile Iron Caps	2,007.33	500.96
		For Cement Mortar Lining (CML), Add	*124.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*224.69*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*93.62*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0448	EA	30" Mechanical Joint Ductile Iron Caps	3,765.43	601.15
		For Cement Mortar Lining (CML), Add	*285.46*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*513.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*214.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0449	EA	36" Mechanical Joint Ductile Iron Caps	6,330.42	751.44
		For Cement Mortar Lining (CML), Add	*519.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*934.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*389.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0450	EA	42" Mechanical Joint Ductile Iron Caps	9,240.28	901.73
		For Cement Mortar Lining (CML), Add	*787.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,417.32*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*590.55*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0451	EA	48" Mechanical Joint Ductile Iron Caps	11,005.87	1,001.92
		For Cement Mortar Lining (CML), Add	*948.78*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,707.81*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*711.59*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0452 Mechanical Joint Ductile Iron Plug *(33 14 13 13-0002)*

33 14 13 13-0453	EA	3" Mechanical Joint Ductile Iron Plug	206.69	99.30
		For Cement Mortar Lining (CML), Add	*5.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*10.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.22*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0454	EA	4" Mechanical Joint Ductile Iron Plug	238.38	116.52
		For Cement Mortar Lining (CML), Add	*6.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*11.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0455	EA	6" Mechanical Joint Ductile Iron Plug	340.63	145.65
		For Cement Mortar Lining (CML), Add	*12.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.00*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0456	EA	8" Mechanical Joint Ductile Iron Plug	432.13	166.47
		For Cement Mortar Lining (CML), Add	*17.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0457	EA	10" Mechanical Joint Ductile Iron Plug	690.66	250.48
		For Cement Mortar Lining (CML), Add	*31.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*56.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0458	EA	12" Mechanical Joint Ductile Iron Plug	730.78	273.25
		For Cement Mortar Lining (CML), Add	*31.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*57.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*23.76*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0459	EA	14" Mechanical Joint Ductile Iron Plug	1,100.19	300.58
		For Cement Mortar Lining (CML), Add	*64.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*116.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*48.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0460	EA	16" Mechanical Joint Ductile Iron Plug	588.49	333.94
		For Cement Mortar Lining (CML), Add	*8.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*14.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.19*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0461	EA	18" Mechanical Joint Ductile Iron Plug	1,592.65	375.72
		For Cement Mortar Lining (CML), Add	*102.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*184.21*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*76.75*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0462	EA	20" Mechanical Joint Ductile Iron Plug	1,996.36	429.35
		For Cement Mortar Lining (CML), Add	*134.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*242.24*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*100.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0463	EA	24" Mechanical Joint Ductile Iron Plug	2,625.85	500.96
		For Cement Mortar Lining (CML), Add	*186.68*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*336.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*140.01*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0464	EA	30" Mechanical Joint Ductile Iron Plug	4,616.37	601.15
		For Cement Mortar Lining (CML), Add	*370.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*667.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*277.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0465	EA	36" Mechanical Joint Ductile Iron Plug	6,862.72	751.44
		For Cement Mortar Lining (CML), Add	*572.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,030.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*429.31*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0466	EA	42" Mechanical Joint Ductile Iron Plug	9,307.75	901.73
		For Cement Mortar Lining (CML), Add	*794.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,429.47*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*595.61*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0467	EA	48" Mechanical Joint Ductile Iron Plug	12,104.22	1,001.92
		For Cement Mortar Lining (CML), Add	*1,058.62*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,905.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*793.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0468		**Mechanical Joint Ductile Iron Long Sleeves** *(33 14 13 13-0002)*		
33 14 13 13-0469	EA	3" Mechanical Joint Ductile Iron Long Sleeves	331.79	150.94
		For Cement Mortar Lining (CML), Add	*10.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*18.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0470	EA	4" Mechanical Joint Ductile Iron Long Sleeves	386.64	174.77
		For Cement Mortar Lining (CML), Add	*12.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*21.93*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*9.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA	6" Mechanical Joint Ductile Iron Long Sleeves	535.31	218.47
		For Cement Mortar Lining (CML), Add	*20.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*36.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*15.32*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA	8" Mechanical Joint Ductile Iron Long Sleeves	713.79	249.64
		For Cement Mortar Lining (CML), Add	*33.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*60.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.16*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA	10" Mechanical Joint Ductile Iron Long Sleeves	968.50	375.72
		For Cement Mortar Lining (CML), Add	*39.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.86*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.94*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474	EA	12" Mechanical Joint Ductile Iron Long Sleeves	1,160.82	409.88
		For Cement Mortar Lining (CML), Add	*53.98*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*97.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.49*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA	14" Mechanical Joint Ductile Iron Long Sleeves	1,498.45	450.87
		For Cement Mortar Lining (CML), Add	*81.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*61.15*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA	16" Mechanical Joint Ductile Iron Long Sleeves	1,791.78	500.96
		For Cement Mortar Lining (CML), Add	*103.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*185.90*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*77.46*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA	18" Mechanical Joint Ductile Iron Long Sleeves	2,175.31	563.58
		For Cement Mortar Lining (CML), Add	*132.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*237.85*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*99.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA	20" Mechanical Joint Ductile Iron Long Sleeves	2,570.95	644.07
		For Cement Mortar Lining (CML), Add	*159.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*287.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*119.63*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0479	EA	24" Mechanical Joint Ductile Iron Long Sleeves	3,239.66	751.44
		For Cement Mortar Lining (CML), Add	*210.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*378.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*157.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA	30" Mechanical Joint Ductile Iron Long Sleeves	5,767.16	901.73
		For Cement Mortar Lining (CML), Add	*440.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*792.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*330.07*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA	36" Mechanical Joint Ductile Iron Long Sleeves	7,887.45	1,127.16
		For Cement Mortar Lining (CML), Add	*617.96*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,112.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*463.47*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA	42" Mechanical Joint Ductile Iron Long Sleeves	10,215.31	1,286.67
		For Cement Mortar Lining (CML), Add	*826.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,487.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*619.93*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0483	EA	48" Mechanical Joint Ductile Iron Long Sleeves	13,888.50	1,502.88
		For Cement Mortar Lining (CML), Add	*1,161.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,090.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*870.86*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0484 Mechanical Joint Ductile Iron Gland Packs *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.

33 14 13 13-0485 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0484)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0486	EA	3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	37.49
33 14 13 13-0487	EA	4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	34.14
33 14 13 13-0488	EA	6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	41.25
33 14 13 13-0489	EA	8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0490	EA	10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0491	EA	12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	71.12
33 14 13 13-0492	EA	14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	116.64
33 14 13 13-0493	EA	16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	123.75
33 14 13 13-0494	EA	18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	165.00
33 14 13 13-0495	EA	20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	213.36
33 14 13 13-0496	EA	24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	297.28
33 14 13 13-0497	EA	30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	709.78
33 14 13 13-0498	EA	36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,530.50
33 14 13 13-0499	EA	42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,234.59
33 14 13 13-0500	EA	48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	2,742.39

33 14 13 13-0501 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts *(33 14 13 13-0484)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0502	EA	3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts	63.73
33 14 13 13-0503	EA	4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	48.36
33 14 13 13-0504	EA	6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	61.16
33 14 13 13-0505	EA	8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	66.85
33 14 13 13-0506	EA	10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	92.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0507	EA	12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	96.72	
33 14 13 13-0508	EA	14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	146.51	
33 14 13 13-0509	EA	16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	160.73	
33 14 13 13-0510	EA	18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	213.36	
33 14 13 13-0511	EA	20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	275.95	
33 14 13 13-0512	EA	24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	385.47	

33 14 13 13-0513 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts *(33 14 13 13-0484)*

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0514	EA	3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts	41.24	
33 14 13 13-0515	EA	4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes four (4) 3/4" diameter plain finish bolts with nut.	36.98	
33 14 13 13-0516	EA	6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	44.09	
33 14 13 13-0517	EA	8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes six (6) 3/4" diameter plain finish bolts with nut.	52.63	
33 14 13 13-0518	EA	10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	72.54	
33 14 13 13-0519	EA	12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes eight (8) 3/4" diameter plain finish bolts with nut.	76.81	
33 14 13 13-0520	EA	14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes ten (10) 3/4" diameter plain finish bolts with nut.	126.59	
33 14 13 13-0521	EA	16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	133.71	
33 14 13 13-0522	EA	18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twelve (12) 3/4" diameter plain finish bolts with nut.	180.64	
33 14 13 13-0523	EA	20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes fourteen (14) 3/4" diameter plain finish bolts with nut.	231.85	
33 14 13 13-0524	EA	24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes sixteen (16) 3/4" diameter plain finish bolts with nut.	324.31	
33 14 13 13-0525	EA	30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty (20) 1" diameter plain finish bolts with nut.	776.63	
33 14 13 13-0526	EA	36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-four (24) 1" diameter plain finish bolts with nut.	1,721.10	
33 14 13 13-0527	EA	42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with nut.	2,492.04	
33 14 13 13-0528	EA	48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts Note: Includes thirty-two (32) 1-1/4" diameter plain finish bolts with nut.	3,066.69	

33 14 13 13-0529 Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0002)*

33 14 13 13-0530	EA	3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	350.53	150.94
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*12.18*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*21.93*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*9.14*	
33 14 13 13-0531	EA	4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	396.01	174.77
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*13.12*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*23.62*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*9.84*	
33 14 13 13-0532	EA	6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	512.82	218.47
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*18.18*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*32.73*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*13.64*	
33 14 13 13-0533	EA	8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	653.81	249.64
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*27.55*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*49.59*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*20.66*	
33 14 13 13-0534	EA	10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,049.10	375.72
		For Cement Mortar Lining (CML), Add *Note: ANSI/AWWA C104/A21.4*	*47.98*	
		For Fusion Bonded Epoxy Lining (206N), Add *Note: ANSI/AWWA C104/A21.4*	*86.37*	
		For Bituminous Or Coal Tar Coating, 1 Mil, Add *Note: ANSI/AWWA C151/A21.51*	*35.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0535	EA	12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,235.80	409.88
		For Cement Mortar Lining (CML), Add	*61.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*110.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*46.11*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0536	EA	14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,659.64	450.87
		For Cement Mortar Lining (CML), Add	*97.65*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*175.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*73.24*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0537	EA	16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,874.25	500.96
		For Cement Mortar Lining (CML), Add	*111.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*200.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*83.64*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0538	EA	18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,559.54	563.58
		For Cement Mortar Lining (CML), Add	*170.56*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*307.01*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*127.92*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0539	EA	20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,007.66	644.07
		For Cement Mortar Lining (CML), Add	*203.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*365.72*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*152.38*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0540	EA	24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,640.77	751.44
		For Cement Mortar Lining (CML), Add	*250.22*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*450.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*187.67*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0541	EA	30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,971.46	901.73
		For Cement Mortar Lining (CML), Add	*460.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*828.94*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*345.39*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0542	EA	36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	8,307.30	1,127.16
		For Cement Mortar Lining (CML), Add	*659.95*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,187.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*494.96*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0543	EA	42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	11,152.83	1,288.15
		For Cement Mortar Lining (CML), Add	*920.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,656.19*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*690.08*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0544	EA	48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	13,800.41	1,502.88
		For Cement Mortar Lining (CML), Add	*1,152.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*2,074.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*864.25*	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0545 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series) *(33 14 13 13-0002)*

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0546	EA	3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC)	211.11	75.71
33 14 13 13-0547	EA	4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC)	240.58	89.68
33 14 13 13-0548	EA	6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC)	298.46	110.98
33 14 13 13-0549	EA	8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC)	373.05	129.51
33 14 13 13-0550	EA	10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC)	537.39	187.86
33 14 13 13-0551	EA	12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC)	664.12	214.73
33 14 13 13-0552	EA	14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC)	775.12	231.12
33 14 13 13-0553	EA	16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC)	958.47	250.48
33 14 13 13-0554	EA	18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC)	1,231.84	300.58
33 14 13 13-0555	EA	20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC)	1,455.93	333.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0556	EA	24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC)	1,895.29	385.17
33 14 13 13-0557	EA	30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC)	3,706.49	461.91
33 14 13 13-0558	EA	36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC)	4,576.41	578.04
33 14 13 13-0559	EA	42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC)	6,771.70	666.96
33 14 13 13-0560	EA	48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC)	8,671.56	857.78
33 14 13 13-0561		**Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** *(33 14 13 13-0002)*		
33 14 13 13-0562	EA	3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,635.66	61.97
33 14 13 13-0563	EA	4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	4,825.68	77.46
33 14 13 13-0564	EA	6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	7,002.29	114.47
33 14 13 13-0565	EA	8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	9,517.72	135.77
33 14 13 13-0566	EA	10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	11,998.30	149.95
33 14 13 13-0567	EA	12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	16,005.69	175.90
33 14 13 13-0568	EA	14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	19,719.10	197.26
33 14 13 13-0569	EA	16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	23,329.48	225.43
33 14 13 13-0570	EA	18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	26,295.48	315.60
33 14 13 13-0571	EA	20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	35,378.79	394.51
33 14 13 13-0572	EA	24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint	49,023.63	526.01
33 14 13 13-0573		**Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** *(33 14 13 13-0002)* Note: Includes machined bolts and gasket.		
33 14 13 13-0574	EA	3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM)	209.55	75.71
33 14 13 13-0575	EA	4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM)	269.44	89.68
33 14 13 13-0576	EA	6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM)	348.51	110.98
33 14 13 13-0577	EA	8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM)	397.59	129.51
33 14 13 13-0578	EA	10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM)	700.03	198.60
33 14 13 13-0579	EA	12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM)	792.13	227.01
33 14 13 13-0580		**Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series)** *(33 14 13 13-0002)* Note: Includes nuts, bolts and gasket.		
33 14 13 13-0581	EA	3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210300)	307.59	75.71
33 14 13 13-0582	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	382.87	89.68
33 14 13 13-0583	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	530.89	110.98
33 14 13 13-0584	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	769.48	129.51
33 14 13 13-0585	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,114.09	198.60
33 14 13 13-0586	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,386.43	227.01
33 14 13 13-0587	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,142.71	244.35
33 14 13 13-0588	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	3,007.72	264.81
33 14 13 13-0589	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,400.81	317.77
33 14 13 13-0590	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,756.53	352.91
33 14 13 13-0591	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,545.72	407.20
33 14 13 13-0592	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,850.53	488.33
33 14 13 13-0593	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,745.79	611.10
33 14 13 13-0594	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,867.29	705.11
33 14 13 13-0595	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	29,289.50	906.85
33 14 13 13-0596		**Mechanical Joint x Restrained Plain End Ductile Iron Flexible Ball Joint** *(33 14 13 13-0002)* Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.		
33 14 13 13-0597	EA	4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,253.84	116.52
33 14 13 13-0598	EA	6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	1,992.42	145.65
33 14 13 13-0599	EA	8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	2,642.03	166.47
33 14 13 13-0600	EA	10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	3,648.66	250.48
33 14 13 13-0601	EA	12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	4,771.56	273.25
33 14 13 13-0602	EA	14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	5,526.49	300.58
33 14 13 13-0603	EA	16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	6,142.90	333.94
33 14 13 13-0604	EA	18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,788.91	375.72
33 14 13 13-0605	EA	20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	8,979.77	429.35
33 14 13 13-0606	EA	24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	15,691.85	500.96
33 14 13 13-0607	EA	30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	54,935.98	601.15
33 14 13 13-0608	EA	36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexible Ball Joint	77,999.31	751.44
33 14 13 13-0609		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping** *(33 14 13 13-0001)* See CSI section 33 14 13 13-0484 for bolts and gaskets.		
33 14 13 13-0610		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0611	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	464.71	43.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0612	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	556.19	51.76
33 14 13 13-0613	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	863.41	75.83
33 14 13 13-0614	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,181.21	90.28
33 14 13 13-0615	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,620.89	100.20
33 14 13 13-0616	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,055.67	117.27
33 14 13 13-0617	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,924.50	132.07
33 14 13 13-0618	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,549.01	150.29
33 14 13 13-0619	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,286.69	210.63
33 14 13 13-0620	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,342.93	263.00
33 14 13 13-0621	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,555.66	350.67
33 14 13 13-0622	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,109.46	375.72
33 14 13 13-0623	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,845.93	390.53
33 14 13 13-0624	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	29,414.57	450.87
33 14 13 13-0625	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	38,484.91	479.33
33 14 13 13-0626		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0627	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	444.09	43.21
33 14 13 13-0628	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	520.58	51.76
33 14 13 13-0629	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	801.56	75.83
33 14 13 13-0630	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,085.62	90.28
33 14 13 13-0631	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,418.46	100.20
33 14 13 13-0632	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,873.86	117.27
33 14 13 13-0633	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,534.64	132.07
33 14 13 13-0634	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,035.44	150.29
33 14 13 13-0635	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,587.56	210.63
33 14 13 13-0636	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,355.16	263.00
33 14 13 13-0637	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,739.45	350.67
33 14 13 13-0638	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,578.14	375.72
33 14 13 13-0639	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	14,635.22	390.53
33 14 13 13-0640	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	21,756.10	450.87
33 14 13 13-0641	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	27,857.51	479.33
33 14 13 13-0642		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0643	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	344.75	43.21
33 14 13 13-0644	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	514.96	51.76
33 14 13 13-0645	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	779.07	75.83
33 14 13 13-0646	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,078.12	90.28
33 14 13 13-0647	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,416.59	100.20
33 14 13 13-0648	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,765.15	117.27
33 14 13 13-0649	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,549.64	132.07
33 14 13 13-0650	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,967.97	150.29
33 14 13 13-0651	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,570.70	210.63
33 14 13 13-0652	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,510.73	263.00
33 14 13 13-0653	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,615.74	350.67
33 14 13 13-0654	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,410.44	375.72
33 14 13 13-0655	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	12,854.62	390.53
33 14 13 13-0656	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,402.94	450.87
33 14 13 13-0657	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	23,570.94	479.33
33 14 13 13-0658		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0659	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	344.75	43.21
33 14 13 13-0660	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	618.04	51.76
33 14 13 13-0661	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	786.57	75.83
33 14 13 13-0662	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,044.38	90.28
33 14 13 13-0663	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,412.84	100.20
33 14 13 13-0664	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,714.54	117.27
33 14 13 13-0665	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,746.44	132.07
33 14 13 13-0666	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,059.81	150.29
33 14 13 13-0667	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,103.00	210.63
33 14 13 13-0668	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,349.54	263.00
33 14 13 13-0669	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,617.61	350.67
33 14 13 13-0670	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,534.14	375.72
33 14 13 13-0671	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,500.37	390.53
33 14 13 13-0672	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	17,896.87	450.87
33 14 13 13-0673	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	23,435.99	479.33
33 14 13 13-0674		**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** *(33 14 13 13-0609)*		
33 14 13 13-0675	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	406.61	43.21
33 14 13 13-0676	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	599.30	51.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0677	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	934.64	75.83
33 14 13 13-0678	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,271.17	90.28
33 14 13 13-0679	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,752.09	100.20
33 14 13 13-0680	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,199.99	117.27
33 14 13 13-0681	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	3,961.00	132.07
33 14 13 13-0682	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,186.17	150.29
33 14 13 13-0683	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,066.30	210.63
33 14 13 13-0684	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,143.16	263.00
33 14 13 13-0685	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,800.21	350.67

33 14 13 13-0686 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow *(33 14 13 13-0609)*

33 14 13 13-0687	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	406.61	43.21
33 14 13 13-0688	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	528.08	51.76
33 14 13 13-0689	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	831.55	75.83
33 14 13 13-0690	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,177.46	90.28
33 14 13 13-0691	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,562.79	100.20
33 14 13 13-0692	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,035.05	117.27
33 14 13 13-0693	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,714.58	132.07
33 14 13 13-0694	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,262.23	150.29
33 14 13 13-0695	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,110.39	210.63
33 14 13 13-0696	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,407.53	263.00
33 14 13 13-0697	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,667.23	350.67

33 14 13 13-0698 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee *(33 14 13 13-0609)*

33 14 13 13-0699	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	572.42	64.83
33 14 13 13-0700	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	624.30	73.08
33 14 13 13-0701	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	659.11	75.83
33 14 13 13-0702	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	940.36	96.13
33 14 13 13-0703	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,019.46	99.91
33 14 13 13-0704	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,075.01	111.94
33 14 13 13-0705	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,251.60	115.56
33 14 13 13-0706	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,354.01	127.59
33 14 13 13-0707	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,489.76	136.01
33 14 13 13-0708	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,682.07	124.10
33 14 13 13-0709	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,678.53	135.48
33 14 13 13-0710	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,819.26	143.45
33 14 13 13-0711	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	1,963.33	150.29
33 14 13 13-0712	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,025.34	138.91
33 14 13 13-0713	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,042.41	150.29
33 14 13 13-0714	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,209.38	158.26
33 14 13 13-0715	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,548.39	165.09
33 14 13 13-0716	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,554.15	173.06
33 14 13 13-0717	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	2,895.43	175.34
33 14 13 13-0718	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,133.61	183.31
33 14 13 13-0719	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,806.25	190.13
33 14 13 13-0720	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,018.19	198.10
33 14 13 13-0721	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,720.28	210.63
33 14 13 13-0722	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,463.79	210.63
33 14 13 13-0723	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	3,651.48	217.46
33 14 13 13-0724	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,384.08	225.43
33 14 13 13-0725	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,110.57	232.27
33 14 13 13-0726	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,368.35	244.78
33 14 13 13-0727	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,853.17	263.00
33 14 13 13-0728	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,548.34	269.84
33 14 13 13-0729	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	4,797.79	276.67
33 14 13 13-0730	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,114.30	283.50
33 14 13 13-0731	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,406.82	291.46
33 14 13 13-0732	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,555.00	303.99

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0733	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,935.75	321.07
33 14 13 13-0734	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,626.99	350.67
33 14 13 13-0735	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,222.11	385.97
33 14 13 13-0736	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,310.34	393.94
33 14 13 13-0737	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	5,838.67	400.76
33 14 13 13-0738	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,127.45	408.74
33 14 13 13-0739	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,187.53	421.26
33 14 13 13-0740	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,107.20	438.34
33 14 13 13-0741	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,816.19	467.94
33 14 13 13-0742	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,652.68	526.01
33 14 13 13-0743	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,335.79	502.09
33 14 13 13-0744	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,395.92	511.21
33 14 13 13-0745	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,511.88	516.90
33 14 13 13-0746	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	6,684.44	524.87
33 14 13 13-0747	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,608.58	537.39
33 14 13 13-0748	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	7,936.87	554.47
33 14 13 13-0749	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,777.06	584.07
33 14 13 13-0750	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,090.51	643.28
33 14 13 13-0751	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	9,457.15	701.34
33 14 13 13-0752	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,117.03	585.22
33 14 13 13-0753	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	10,581.13	593.19
33 14 13 13-0754	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,186.29	600.01
33 14 13 13-0755	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,793.70	607.98
33 14 13 13-0756	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,655.99	620.51
33 14 13 13-0757	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,585.92	825.44
33 14 13 13-0758	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,521.81	667.19
33 14 13 13-0759	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,499.75	725.26
33 14 13 13-0760	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,062.22	783.32
33 14 13 13-0761	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,797.71	825.44
33 14 13 13-0762	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	11,468.44	658.08
33 14 13 13-0763	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	12,840.19	664.91
33 14 13 13-0764	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	13,580.69	672.88
33 14 13 13-0765	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,103.72	685.40
33 14 13 13-0766	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	14,628.80	702.48
33 14 13 13-0767	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	15,640.54	732.08
33 14 13 13-0768	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	16,698.11	790.15
33 14 13 13-0769	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	18,505.11	848.22
33 14 13 13-0770	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	20,906.99	922.22
33 14 13 13-0771	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	24,101.20	922.22
33 14 13 13-0772	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	27,483.07	709.31
33 14 13 13-0773	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	28,036.09	720.70
33 14 13 13-0774	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,840.34	738.92
33 14 13 13-0775	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,162.13	768.52
33 14 13 13-0776	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,250.67	826.59
33 14 13 13-0777	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,134.92	884.65
33 14 13 13-0778	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	29,653.11	926.77
33 14 13 13-0779	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	36,760.90	958.65
33 14 13 13-0780	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,752.65	976.87
33 14 13 13-0781	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,057.68	766.24
33 14 13 13-0782	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	32,633.19	778.76
33 14 13 13-0783	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	33,450.66	796.98
33 14 13 13-0784	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	34,280.59	825.44
33 14 13 13-0785	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,160.09	884.65
33 14 13 13-0786	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	35,353.31	942.71
33 14 13 13-0787	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	37,963.24	983.70
33 14 13 13-0788	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	30,501.94	1,016.72
33 14 13 13-0789	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	38,281.58	1,034.94
33 14 13 13-0790	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee	51,042.58	1,063.40

33 14 13 13-0791 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals) *(33 14 13 13-0609)*

33 14 13 13-0792	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	642.08	72.45
33 14 13 13-0793	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	707.68	72.45
33 14 13 13-0794	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	831.55	75.83
33 14 13 13-0795	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	916.00	96.13
33 14 13 13-0796	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,023.21	99.91
33 14 13 13-0797	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,253.07	111.94
33 14 13 13-0798	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,650.83	115.56
33 14 13 13-0799	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,518.95	127.59
33 14 13 13-0800	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	1,709.05	136.01
33 14 13 13-0801	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,429.93	124.10
33 14 13 13-0802	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,529.47	135.48
33 14 13 13-0803	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,831.40	143.45
33 14 13 13-0804	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,091.67	150.29
33 14 13 13-0805	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	2,968.12	138.91
33 14 13 13-0806	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,367.56	150.29
33 14 13 13-0807	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,989.98	158.26
33 14 13 13-0808	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,991.61	165.09
33 14 13 13-0809	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	3,678.75	173.06
33 14 13 13-0810	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,379.89	175.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0811	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,039.80	183.31
33 14 13 13-0812	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,653.34	190.13
33 14 13 13-0813	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,137.06	198.10
33 14 13 13-0814	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,949.73	210.63
33 14 13 13-0815	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	4,552.87	210.63
33 14 13 13-0816	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,032.85	217.46
33 14 13 13-0817	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	5,982.87	225.43
33 14 13 13-0818	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,172.32	232.27
33 14 13 13-0819	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,656.89	244.78
33 14 13 13-0820	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,233.55	263.00
33 14 13 13-0821	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,460.15	269.84
33 14 13 13-0822	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	6,972.00	276.67
33 14 13 13-0823	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,466.57	283.50
33 14 13 13-0824	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,002.76	291.46
33 14 13 13-0825	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,081.59	303.99
33 14 13 13-0826	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,169.94	321.07
33 14 13 13-0827	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,387.96	350.67
33 14 13 13-0828	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,587.50	385.97
33 14 13 13-0829	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	7,754.46	393.94
33 14 13 13-0830	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	8,552.68	400.76
33 14 13 13-0831	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,343.78	408.74
33 14 13 13-0832	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,428.23	421.26
33 14 13 13-0833	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,525.95	438.34
33 14 13 13-0834	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	11,081.26	467.94
33 14 13 13-0835	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,405.06	526.01
33 14 13 13-0836	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,186.63	502.09
33 14 13 13-0837	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	9,304.86	510.07
33 14 13 13-0838	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,417.96	516.90
33 14 13 13-0839	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	10,922.28	524.87
33 14 13 13-0840	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	12,686.11	537.39
33 14 13 13-0841	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	14,142.74	554.47
33 14 13 13-0842	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,864.86	584.07
33 14 13 13-0843	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	17,430.35	643.28
33 14 13 13-0844	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	15,320.03	701.34
33 14 13 13-0845	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	19,472.75	585.22
33 14 13 13-0846	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	21,902.02	593.19
33 14 13 13-0847	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	23,204.43	600.01
33 14 13 13-0848	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	24,509.09	607.98
33 14 13 13-0849	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	26,357.27	620.51
33 14 13 13-0850	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	28,342.44	637.59
33 14 13 13-0851	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	29,043.05	667.19
33 14 13 13-0852	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	30,048.12	725.26
33 14 13 13-0853	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	31,457.79	783.32
33 14 13 13-0854	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	34,122.05	825.44
33 14 13 13-0855	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	37,699.44	672.88
33 14 13 13-0856	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	39,193.37	685.40
33 14 13 13-0857	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	40,676.23	702.48
33 14 13 13-0858	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	43,541.67	732.08
33 14 13 13-0859	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	46,462.31	790.15
33 14 13 13-0860	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	51,569.99	848.22
33 14 13 13-0861	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	57,838.59	890.34
33 14 13 13-0862	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,184.22	922.22
33 14 13 13-0863	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,861.38	826.59
33 14 13 13-0864	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,338.50	884.65
33 14 13 13-0865	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,610.95	926.77
33 14 13 13-0866	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	76,288.43	958.65
33 14 13 13-0867	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,154.00	976.87
33 14 13 13-0868	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	59,962.97	884.65
33 14 13 13-0869	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	67,979.60	942.71
33 14 13 13-0870	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,475.10	983.70
33 14 13 13-0871	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	82,735.49	1,016.72
33 14 13 13-0872	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	108,512.35	1,034.94
33 14 13 13-0873	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	119,215.35	1,063.40

33 14 13 13-0874 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee *(33 14 13 13-0609)*

33 14 13 13-0875	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,144.36	111.94
33 14 13 13-0876	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,425.24	127.59
33 14 13 13-0877	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,053.39	135.48
33 14 13 13-0878	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,364.79	150.29
33 14 13 13-0879	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,133.47	175.34
33 14 13 13-0880	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,818.14	210.63
33 14 13 13-0881	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,501.48	269.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0882	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,044.93	385.97
33 14 13 13-0883	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,047.21	502.09
33 14 13 13-0884	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	12,877.01	585.22

33 14 13 13-0885 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross *(33 14 13 13-0609)*

33 14 13 13-0886	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	635.15	86.44
33 14 13 13-0887	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	796.65	94.05
33 14 13 13-0888	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,001.01	95.09
33 14 13 13-0889	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,057.68	117.89
33 14 13 13-0890	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,240.33	127.59
33 14 13 13-0891	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,365.33	158.89
33 14 13 13-0892	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,316.51	139.62
33 14 13 13-0893	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,550.21	170.92
33 14 13 13-0894	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,530.80	182.95
33 14 13 13-0895	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,550.92	145.73
33 14 13 13-0896	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,735.16	175.34
33 14 13 13-0897	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,067.13	186.72
33 14 13 13-0898	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,239.84	200.38
33 14 13 13-0899	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,000.95	158.26
33 14 13 13-0900	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,314.53	187.86
33 14 13 13-0901	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,513.42	199.25
33 14 13 13-0902	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,937.29	212.91
33 14 13 13-0903	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,359.23	225.43
33 14 13 13-0904	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,480.69	206.07
33 14 13 13-0905	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,135.05	217.46
33 14 13 13-0906	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,232.79	232.27
33 14 13 13-0907	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,467.28	243.65
33 14 13 13-0908	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,953.06	263.00
33 14 13 13-0909	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,895.38	233.40
33 14 13 13-0910	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,463.52	243.65
33 14 13 13-0911	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,393.45	258.45
33 14 13 13-0912	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,036.55	270.97
33 14 13 13-0913	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,345.17	289.19
33 14 13 13-0914	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,662.38	315.38
33 14 13 13-0915	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,763.75	275.53
33 14 13 13-0916	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,157.59	286.92
33 14 13 13-0917	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,493.35	300.58
33 14 13 13-0918	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,143.94	313.10
33 14 13 13-0919	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,551.90	331.32
33 14 13 13-0920	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,159.65	357.51
33 14 13 13-0921	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,600.77	400.76
33 14 13 13-0922	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,504.45	346.11
33 14 13 13-0923	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,902.03	356.36
33 14 13 13-0924	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,172.20	371.17
33 14 13 13-0925	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,817.18	383.69
33 14 13 13-0926	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,973.07	401.91
33 14 13 13-0927	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,149.63	428.09
33 14 13 13-0928	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,590.76	470.22
33 14 13 13-0929	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,577.99	540.80
33 14 13 13-0930	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,653.50	432.65
33 14 13 13-0931	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,923.97	444.03
33 14 13 13-0932	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,383.09	457.69
33 14 13 13-0933	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,778.79	470.22
33 14 13 13-0934	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,994.66	488.43
33 14 13 13-0935	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,476.82	514.62
33 14 13 13-0936	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,003.98	557.89
33 14 13 13-0937	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,925.61	627.34
33 14 13 13-0938	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,818.86	713.87
33 14 13 13-0939	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,110.90	574.97
33 14 13 13-0940	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,469.15	588.63
33 14 13 13-0941	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,821.75	601.15
33 14 13 13-0942	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,236.30	619.37
33 14 13 13-0943	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,709.09	646.69
33 14 13 13-0944	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,253.31	688.81
33 14 13 13-0945	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,933.15	758.27
33 14 13 13-0946	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,026.75	845.94
33 14 13 13-0947	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,073.56	976.87
33 14 13 13-0948	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,437.81	622.78
33 14 13 13-0949	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,792.32	636.44
33 14 13 13-0950	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,098.04	648.97
33 14 13 13-0951	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,460.11	668.33
33 14 13 13-0952	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,882.30	694.52
33 14 13 13-0953	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,375.92	736.64
33 14 13 13-0954	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,008.90	807.23
33 14 13 13-0955	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,143.05	893.75
33 14 13 13-0956	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,416.34	1,024.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0957	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	43,356.36	1,073.65
33 14 13 13-0958	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,286.22	677.43
33 14 13 13-0959	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,998.79	695.65
33 14 13 13-0960	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,407.85	722.98
33 14 13 13-0961	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,972.69	765.10
33 14 13 13-0962	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,993.66	835.69
33 14 13 13-0963	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,173.68	922.22
33 14 13 13-0964	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,647.62	1,053.15
33 14 13 13-0965	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	62,481.18	1,100.97
33 14 13 13-0966	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	66,997.56	1,129.43
33 14 13 13-0967	EA	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,472.60	789.01
33 14 13 13-0968	EA	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,774.70	807.23
33 14 13 13-0969	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,178.15	833.41
33 14 13 13-0970	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,608.03	875.54
33 14 13 13-0971	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,173.54	946.13
33 14 13 13-0972	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,170.86	1,032.66
33 14 13 13-0973	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	51,974.99	1,163.59
33 14 13 13-0974	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	63,880.86	1,212.55
33 14 13 13-0975	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	82,426.53	1,241.01
33 14 13 13-0976	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	87,756.64	1,351.45

33 14 13 13-0977 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers *(33 14 13 13-0609)*

33 14 13 13-0978	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	455.49	47.03
33 14 13 13-0979	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	638.50	58.95
33 14 13 13-0980	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	702.37	62.59
33 14 13 13-0981	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	924.44	71.02
33 14 13 13-0982	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	959.25	83.05
33 14 13 13-0983	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,133.84	74.01
33 14 13 13-0984	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,184.65	85.39
33 14 13 13-0985	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,231.65	93.36
33 14 13 13-0986	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,312.04	81.98
33 14 13 13-0987	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,450.94	93.36
33 14 13 13-0988	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,473.59	100.20
33 14 13 13-0989	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,538.94	108.16
33 14 13 13-0990	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,279.49	105.89
33 14 13 13-0991	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,290.90	112.71
33 14 13 13-0992	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,988.87	120.69
33 14 13 13-0993	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,028.37	127.52
33 14 13 13-0994	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,733.34	122.96
33 14 13 13-0995	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,649.15	130.93
33 14 13 13-0996	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,483.96	137.76
33 14 13 13-0997	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,452.24	144.60
33 14 13 13-0998	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,774.72	157.12
33 14 13 13-0999	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,965.52	159.39
33 14 13 13-1000	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,347.64	167.37
33 14 13 13-1001	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,194.08	174.20
33 14 13 13-1002	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,823.95	186.72
33 14 13 13-1003	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,338.77	204.94
33 14 13 13-1004	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,948.11	218.60
33 14 13 13-1005	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,977.85	225.43
33 14 13 13-1006	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,606.87	233.40

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1007	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,601.34	245.93
33 14 13 13-1008	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	3,507.90	263.00
33 14 13 13-1009	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,154.15	292.61
33 14 13 13-1010	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	4,969.67	291.46
33 14 13 13-1011	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,041.00	303.99
33 14 13 13-1012	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,127.48	321.07
33 14 13 13-1013	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,040.87	350.67
33 14 13 13-1014	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	5,813.53	408.74
33 14 13 13-1015	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,107.53	362.06
33 14 13 13-1016	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,491.38	391.66
33 14 13 13-1017	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	9,126.32	450.87
33 14 13 13-1018	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	7,703.88	508.93
33 14 13 13-1019	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	12,011.28	482.74
33 14 13 13-1020	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,141.75	540.80
33 14 13 13-1021	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	11,894.23	582.94
33 14 13 13-1022	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,845.32	413.29
33 14 13 13-1023	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,732.47	442.90
33 14 13 13-1024	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	17,762.90	500.96
33 14 13 13-1025	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	18,449.07	559.02
33 14 13 13-1026	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,040.55	601.15
33 14 13 13-1027	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	15,738.17	633.03
33 14 13 13-1028	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,509.26	441.75
33 14 13 13-1029	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,770.38	471.36
33 14 13 13-1030	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	20,655.61	529.42
33 14 13 13-1031	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	21,248.06	588.63
33 14 13 13-1032	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	25,481.15	629.62
33 14 13 13-1033	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	22,006.53	661.50
33 14 13 13-1034	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	24,215.69	679.71

33 14 13 13-1035 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps *(33 14 13 13-0609)*

33 14 13 13-1036	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	407.24	99.30
33 14 13 13-1037	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	491.42	116.75
33 14 13 13-1038	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	722.99	145.65
33 14 13 13-1039	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	973.81	166.11
33 14 13 13-1040	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,288.57	250.48
33 14 13 13-1041	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,632.33	273.25
33 14 13 13-1042	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	1,857.41	300.58
33 14 13 13-1043	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,266.01	333.60
33 14 13 13-1044	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	2,657.26	375.72
33 14 13 13-1045	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	3,209.05	429.23
33 14 13 13-1046	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	4,123.43	500.96
33 14 13 13-1047	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	7,536.56	601.15
33 14 13 13-1048	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	12,395.72	751.44
33 14 13 13-1049	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	17,897.76	901.73
33 14 13 13-1050	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps	21,324.00	1,001.92

33 14 13 13-1051 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug *(33 14 13 13-0609)*

33 14 13 13-1052	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	409.12	99.30
33 14 13 13-1053	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	510.16	116.75
33 14 13 13-1054	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	771.72	145.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1055	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,022.55	166.11
33 14 13 13-1056	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,567.84	250.48
33 14 13 13-1057	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	1,696.05	273.25
33 14 13 13-1058	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,264.14	300.58
33 14 13 13-1059	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	2,736.46	333.60
33 14 13 13-1060	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	3,258.92	375.72
33 14 13 13-1061	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	4,022.50	429.23
33 14 13 13-1062	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	5,281.76	500.96
33 14 13 13-1063	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	9,137.23	601.15
33 14 13 13-1064	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	13,390.98	751.44
33 14 13 13-1065	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	18,023.34	901.73
33 14 13 13-1066	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug	23,987.41	1,001.92

33 14 13 13-1067 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters *(33 14 13 13-0609)*

33 14 13 13-1068	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	552.96	150.94
33 14 13 13-1069	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	735.26	174.54
33 14 13 13-1070	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,015.14	219.07
33 14 13 13-1071	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,339.82	249.16
33 14 13 13-1072	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	1,971.26	375.72
33 14 13 13-1073	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	2,360.39	409.88
33 14 13 13-1074	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,100.99	450.87
33 14 13 13-1075	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	3,521.78	500.96
33 14 13 13-1076	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	4,636.29	563.58
33 14 13 13-1077	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	5,378.68	644.41
33 14 13 13-1078	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	6,515.97	751.44
33 14 13 13-1079	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	10,297.39	901.73
33 14 13 13-1080	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	14,023.98	1,127.16
33 14 13 13-1081	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	19,122.45	1,287.69
33 14 13 13-1082	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters	23,783.04	1,502.88

33 14 13 13-1083 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves *(33 14 13 13-0609)*

33 14 13 13-1084	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	575.45	150.94
33 14 13 13-1085	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	707.15	174.54
33 14 13 13-1086	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,047.00	219.07
33 14 13 13-1087	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,426.03	249.16
33 14 13 13-1088	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	1,851.30	375.72
33 14 13 13-1089	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,247.93	409.88
33 14 13 13-1090	EA	14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	2,861.08	450.87
33 14 13 13-1091	EA	16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	3,394.32	500.96
33 14 13 13-1092	EA	18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,059.00	563.58
33 14 13 13-1093	EA	20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	4,728.29	644.41
33 14 13 13-1094	EA	24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	5,919.94	751.44
33 14 13 13-1095	EA	30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	9,988.13	901.73
33 14 13 13-1096	EA	36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	12,991.23	1,127.16
33 14 13 13-1097	EA	42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	16,942.25	1,286.56
33 14 13 13-1098	EA	48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves	25,235.64	1,502.88

33 14 13 13-1099 Push-On Joint Ductile Iron Piping And Gaskets *(33 14 13 13-0001)*

33 14 13 13-1100 Push-On Joint Ductile Iron Pipe *(33 14 13 13-1099)*

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1101	LF	4", Class 50, Push-On Joint Ductile Iron Pipe	37.23	9.93
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*15.53*	
		For Cement Mortar Lining (CML), Add	*2.22*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*11.98*	
		For Fusion Bonded Epoxy Lining (206N), Add	*3.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*10.54*	
		For >1,000, Deduct	*-1.86*	
		For Class 51, Add	*3.21*	
		For Class 52, Add	*6.92*	
		For Class 53, Add	*12.45*	
		For Class 54, Add	*17.75*	
		For Class 55, Add	*20.43*	
		For Class 56, Add	*23.05*	
33 14 13 13-1102	LF	6", Class 50, Push-On Joint Ductile Iron Pipe	40.83	10.95
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*17.04*	
		For Cement Mortar Lining (CML), Add	*2.43*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*13.14*	
		For Fusion Bonded Epoxy Lining (206N), Add	*4.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*1.83*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*11.56*	
		For >1,000, Deduct	*-2.04*	
		For Class 51, Add	*3.52*	
		For Class 52, Add	*7.59*	
		For Class 53, Add	*13.66*	
		For Class 54, Add	*19.48*	
		For Class 55, Add	*22.41*	
		For Class 56, Add	*25.30*	
33 14 13 13-1103	LF	8", Class 50, Push-On Joint Ductile Iron Pipe	51.32	12.04
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*23.29*	
		For Cement Mortar Lining (CML), Add	*3.33*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*17.97*	
		For Fusion Bonded Epoxy Lining (206N), Add	*5.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*2.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*15.80*	
		For >1,000, Deduct	*-2.57*	
		For Class 51, Add	*4.76*	
		For Class 52, Add	*10.27*	
		For Class 53, Add	*18.51*	
		For Class 54, Add	*26.40*	
		For Class 55, Add	*30.36*	
		For Class 56, Add	*34.24*	
33 14 13 13-1104	LF	10", Class 50, Push-On Joint Ductile Iron Pipe	72.55	16.96
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*28.16*	
		For Cement Mortar Lining (CML), Add	*4.69*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*23.47*	
		For Fusion Bonded Epoxy Lining (206N), Add	*8.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*3.52*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*22.30*	
		For >1,000, Deduct	*-3.63*	
		For Class 51, Add	*6.72*	
		For Class 52, Add	*14.49*	
		For Class 53, Add	*26.12*	
		For Class 54, Add	*37.26*	
		For Class 55, Add	*42.84*	
		For Class 56, Add	*48.32*	
33 14 13 13-1105	LF	12", Class 50, Push-On Joint Ductile Iron Pipe	84.42	18.79
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*27.98*	
		For Cement Mortar Lining (CML), Add	*5.60*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*22.38*	
		For Fusion Bonded Epoxy Lining (206N), Add	*10.07*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*4.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*26.58*	
		For >1,000, Deduct	*-4.22*	
		For Class 51, Add	*7.98*	
		For Class 52, Add	*17.23*	
		For Class 53, Add	*31.06*	
		For Class 54, Add	*44.31*	
		For Class 55, Add	*50.94*	
		For Class 56, Add	*57.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1106	LF	14", Class 50, Push-On Joint Ductile Iron Pipe	103.33	21.18
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*31.39*	
		For Cement Mortar Lining (CML), Add	*7.13*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*24.25*	
		For Fusion Bonded Epoxy Lining (206N), Add	*12.84*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*5.35*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*33.88*	
		For >1,000, Deduct	*-5.17*	
		For Class 51, Add	*10.12*	
		For Class 52, Add	*21.85*	
		For Class 53, Add	*39.43*	
		For Class 54, Add	*56.27*	
		For Class 55, Add	*64.66*	
		For Class 56, Add	*72.91*	
33 14 13 13-1107	LF	16", Class 50, Push-On Joint Ductile Iron Pipe	122.66	24.14
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*35.31*	
		For Cement Mortar Lining (CML), Add	*8.61*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*26.70*	
		For Fusion Bonded Epoxy Lining (206N), Add	*15.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*6.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*40.91*	
		For >1,000, Deduct	*-6.13*	
		For Class 51, Add	*12.19*	
		For Class 52, Add	*26.33*	
		For Class 53, Add	*47.52*	
		For Class 54, Add	*67.83*	
		For Class 55, Add	*77.94*	
		For Class 56, Add	*87.87*	
33 14 13 13-1108	LF	18", Class 50, Push-On Joint Ductile Iron Pipe	142.72	28.23
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*41.01*	
		For Cement Mortar Lining (CML), Add	*10.00*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.01*	
		For Fusion Bonded Epoxy Lining (206N), Add	*18.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*7.50*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*47.51*	
		For >1,000, Deduct	*-7.14*	
		For Class 51, Add	*14.17*	
		For Class 52, Add	*30.58*	
		For Class 53, Add	*55.20*	
		For Class 54, Add	*78.79*	
		For Class 55, Add	*90.54*	
		For Class 56, Add	*102.07*	
33 14 13 13-1109	LF	20", Class 50, Push-On Joint Ductile Iron Pipe	164.38	33.81
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*42.99*	
		For Cement Mortar Lining (CML), Add	*11.31*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*31.68*	
		For Fusion Bonded Epoxy Lining (206N), Add	*20.37*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*8.49*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*53.74*	
		For >1,000, Deduct	*-8.22*	
		For Class 51, Add	*16.06*	
		For Class 52, Add	*34.67*	
		For Class 53, Add	*62.55*	
		For Class 54, Add	*89.27*	
		For Class 55, Add	*102.60*	
		For Class 56, Add	*115.68*	
33 14 13 13-1110	LF	24", Class 50, Push-On Joint Ductile Iron Pipe	208.05	42.24
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*44.62*	
		For Cement Mortar Lining (CML), Add	*14.40*	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	*30.23*	
		For Fusion Bonded Epoxy Lining (206N), Add	*25.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*10.80*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Pipe, Add	*68.38*	
		For >1,000, Deduct	*-10.40*	
		For Class 51, Add	*20.42*	
		For Class 52, Add	*44.08*	
		For Class 53, Add	*79.55*	
		For Class 54, Add	*113.53*	
		For Class 55, Add	*130.47*	
		For Class 56, Add	*147.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1111	LF	30", Class 50, Push-On Joint Ductile Iron Pipe	247.48	45.08
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*55.54*	
		For Cement Mortar Lining (CML), Add	*17.92*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*32.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.44*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-12.37*	
		For Class 51, Add	*25.27*	
		For Class 52, Add	*54.58*	
		For Class 53, Add	*98.58*	
		For Class 54, Add	*140.73*	
		For Class 55, Add	*161.67*	
		For Class 56, Add	*182.23*	
33 14 13 13-1112	LF	36", Class 50, Push-On Joint Ductile Iron Pipe	308.50	47.93
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*73.12*	
		For Cement Mortar Lining (CML), Add	*23.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.69*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-15.43*	
		For Class 51, Add	*33.06*	
		For Class 52, Add	*71.42*	
		For Class 53, Add	*129.12*	
		For Class 54, Add	*184.40*	
		For Class 55, Add	*211.74*	
		For Class 56, Add	*238.60*	
33 14 13 13-1113	LF	42", Class 50, Push-On Joint Ductile Iron Pipe	377.61	50.78
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*93.24*	
		For Cement Mortar Lining (CML), Add	*30.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*54.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*22.56*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-18.88*	
		For Class 51, Add	*41.95*	
		For Class 52, Add	*90.68*	
		For Class 53, Add	*164.06*	
		For Class 54, Add	*234.34*	
		For Class 55, Add	*269.02*	
		For Class 56, Add	*303.07*	
33 14 13 13-1114	LF	48", Class 50, Push-On Joint Ductile Iron Pipe	456.12	53.52
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*116.23*	
		For Cement Mortar Lining (CML), Add	*37.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*67.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*28.12*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-22.81*	
		For Class 51, Add	*52.12*	
		For Class 52, Add	*112.67*	
		For Class 53, Add	*203.97*	
		For Class 54, Add	*291.41*	
		For Class 55, Add	*334.46*	
		For Class 56, Add	*376.72*	
33 14 13 13-1115	LF	54", Class 50, Push-On Joint Ductile Iron Pipe	580.66	56.36
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	*153.53*	
		For Cement Mortar Lining (CML), Add	*49.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*89.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.15*	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	*-29.03*	
		For Class 51, Add	*68.57*	
		For Class 52, Add	*148.29*	
		For Class 53, Add	*268.62*	
		For Class 54, Add	*383.84*	
		For Class 55, Add	*440.43*	
		For Class 56, Add	*495.98*	

33 14 13 13-1116 Push-On Joint Ductile Iron 90 Degree Elbow *(33 14 13 13-1099)*

33 14 13 13-1117	EA	4" 90 Degree Elbow, Push-On Joint Ductile Iron	296.36	38.76
		For Cement Mortar Lining (CML), Add	*23.76*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*42.77*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*17.82*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*142.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1118	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	429.21	57.18
		For Cement Mortar Lining (CML), Add	*34.25*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*61.66*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*25.69*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*205.52*	
33 14 13 13-1119	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	578.04	67.89
		For Cement Mortar Lining (CML), Add	*47.51*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*85.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*35.63*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*285.08*	
33 14 13 13-1120	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	873.23	74.91
		For Cement Mortar Lining (CML), Add	*71.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*129.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.87*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*430.97*	
33 14 13 13-1121	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	1,131.97	87.89
		For Cement Mortar Lining (CML), Add	*95.03*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*171.06*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*71.27*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*570.19*	
33 14 13 13-1122	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	2,288.02	98.60
		For Cement Mortar Lining (CML), Add	*208.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*375.15*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*156.31*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,250.50*	
33 14 13 13-1123	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	2,585.80	112.71
		For Cement Mortar Lining (CML), Add	*235.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*423.53*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*176.47*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,411.75*	
33 14 13 13-1124	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	4,039.15	157.81
		For Cement Mortar Lining (CML), Add	*371.31*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*668.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*278.48*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,227.87*	
33 14 13 13-1125	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	4,533.79	198.91
		For Cement Mortar Lining (CML), Add	*413.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*744.49*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*310.20*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,481.62*	
33 14 13 13-1126	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	5,660.97	248.66
		For Cement Mortar Lining (CML), Add	*516.38*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*929.48*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*387.28*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,098.26*	
33 14 13 13-1127		Push-On Joint Ductile Iron 45 Degree Elbow *(33 14 13 13-1099)*		
33 14 13 13-1128	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	242.32	38.76
		For Cement Mortar Lining (CML), Add	*18.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*33.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*13.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*110.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1129	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	356.55	57.18
		For Cement Mortar Lining (CML), Add	*26.99*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*48.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*20.24*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*161.93*	
33 14 13 13-1130	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	499.87	67.89
		For Cement Mortar Lining (CML), Add	*39.70*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*71.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*29.77*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*238.18*	
33 14 13 13-1131	EA	10" 45 Degree Elbow, Push-On Joint Ductile Iron	765.31	74.91
		For Cement Mortar Lining (CML), Add	*61.04*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*109.87*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*45.78*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*366.22*	
33 14 13 13-1132	EA	12" 45 Degree Elbow, Push-On Joint Ductile Iron	994.45	87.89
		For Cement Mortar Lining (CML), Add	*81.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*146.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*60.96*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*487.67*	
33 14 13 13-1133	EA	14" 45 Degree Elbow, Push-On Joint Ductile Iron	1,429.30	98.60
		For Cement Mortar Lining (CML), Add	*122.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*220.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*91.91*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*735.26*	
33 14 13 13-1134	EA	16" 45 Degree Elbow, Push-On Joint Ductile Iron	2,136.16	112.71
		For Cement Mortar Lining (CML), Add	*190.33*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*342.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*142.75*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,141.96*	
33 14 13 13-1135	EA	18" 45 Degree Elbow, Push-On Joint Ductile Iron	2,439.54	157.81
		For Cement Mortar Lining (CML), Add	*211.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*380.43*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*158.51*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,268.10*	
33 14 13 13-1136	EA	20" 45 Degree Elbow, Push-On Joint Ductile Iron	3,438.60	198.91
		For Cement Mortar Lining (CML), Add	*304.08*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*547.35*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*228.06*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,824.50*	
33 14 13 13-1137	EA	24" 45 Degree Elbow, Push-On Joint Ductile Iron	4,266.07	248.66
		For Cement Mortar Lining (CML), Add	*376.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*678.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*282.66*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,261.32*	
33 14 13 13-1138		**Push-On Joint Ductile Iron Tee** *(33 14 13 13-1099)*		
33 14 13 13-1139	EA	4" Tee, Push-On Joint Ductile Iron	454.09	57.18
		For Cement Mortar Lining (CML), Add	*36.74*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*66.14*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*27.56*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*220.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1140	EA	6" Tee, Push-On Joint Ductile Iron	630.11	84.01
		For Cement Mortar Lining (CML), Add	*50.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*90.50*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*37.71*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*301.66*	
33 14 13 13-1141	EA	8" Tee, Push-On Joint Ductile Iron	867.18	101.83
		For Cement Mortar Lining (CML), Add	*71.28*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*128.30*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*53.46*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*427.65*	
33 14 13 13-1142	EA	10" Tee, Push-On Joint Ductile Iron	1,292.34	113.86
		For Cement Mortar Lining (CML), Add	*112.16*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*201.88*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*84.12*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*672.94*	
33 14 13 13-1143	EA	12" Tee, Push-On Joint Ductile Iron	1,613.63	131.27
		For Cement Mortar Lining (CML), Add	*141.44*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*254.59*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*106.08*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*848.63*	
33 14 13 13-1144	EA	14" Tee, Push-On Joint Ductile Iron	2,624.92	157.81
		For Cement Mortar Lining (CML), Add	*238.58*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*429.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*178.94*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*1,431.50*	
33 14 13 13-1145	EA	16" Tee, Push-On Joint Ductile Iron	3,809.05	197.31
		For Cement Mortar Lining (CML), Add	*351.02*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*631.83*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*263.26*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,106.11*	
33 14 13 13-1146	EA	18" Tee, Push-On Joint Ductile Iron	4,780.18	263.23
		For Cement Mortar Lining (CML), Add	*438.13*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*788.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*328.60*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*2,628.80*	
33 14 13 13-1147	EA	20" Tee, Push-On Joint Ductile Iron	5,627.72	321.18
		For Cement Mortar Lining (CML), Add	*514.11*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*925.40*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*385.58*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*3,084.66*	
33 14 13 13-1148	EA	24" Tee, Push-On Joint Ductile Iron	7,380.24	401.46
		For Cement Mortar Lining (CML), Add	*677.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,218.97*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*507.90*	
		Note: ANSI/AWWA C151/A21.51		
		For Restrained Joint Fitting, Add	*4,063.22*	

33 14 13 13-1149 Flanged End x Push-On Joint Ductile Iron Adapters *(33 14 13 13-1099)*

33 14 13 13-1150	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron	443.70	134.45
		For Cement Mortar Lining (CML), Add	*24.00*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*43.20*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*18.00*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1151	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron	543.11	166.47
		For Cement Mortar Lining (CML), Add	*29.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*52.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*21.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1152	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron	712.41	194.16
		For Cement Mortar Lining (CML), Add	*41.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*75.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*31.36*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1153	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron	972.41	281.79
		For Cement Mortar Lining (CML), Add	*54.55*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*98.18*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*40.91*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1154	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron	1,178.85	322.10
		For Cement Mortar Lining (CML), Add	*69.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*124.36*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*51.82*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1155	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron	1,361.84	346.80
		For Cement Mortar Lining (CML), Add	*83.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*150.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*62.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1156	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron	1,623.81	375.72
		For Cement Mortar Lining (CML), Add	*105.45*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*189.82*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*79.09*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1157	EA	18" Flanged End x Push-On Joint Adapter, Ductile Iron	1,919.47	450.87
		For Cement Mortar Lining (CML), Add	*123.64*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*222.54*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*92.73*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1158	EA	20" Flanged End x Push-On Joint Adapter, Ductile Iron	2,231.75	500.96
		For Cement Mortar Lining (CML), Add	*147.27*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*265.09*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*110.45*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1159	EA	24" Flanged End x Push-On Joint Adapter, Ductile Iron	2,803.06	578.04
		For Cement Mortar Lining (CML), Add	*192.73*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*346.91*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*144.54*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1160	EA	30" Flanged End x Push-On Joint Adapter, Ductile Iron	4,509.84	693.60
		For Cement Mortar Lining (CML), Add	*345.89*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*622.60*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*259.42*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1161	EA	36" Flanged End x Push-On Joint Adapter, Ductile Iron	6,248.93	867.01
		For Cement Mortar Lining (CML), Add	*493.52*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*888.34*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*370.14*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1162	EA	42" Flanged End x Push-On Joint Adapter, Ductile Iron	7,908.55	1,001.92
		For Cement Mortar Lining (CML), Add	*639.05*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,150.29*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*479.29*	
		Note: ANSI/AWWA C151/A21.51		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1163	EA	48" Flanged End x Push-On Joint Adapter, Ductile Iron	10,092.82	1,288.15
		For Cement Mortar Lining (CML), Add	*814.10*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,465.39*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*610.58*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1164	EA	54" Flanged End x Push-On Joint Adapter, Ductile Iron	12,268.90	1,503.22
		For Cement Mortar Lining (CML), Add	*999.12*	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	*1,798.42*	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	*749.34*	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-1165		**Push-On Joint Ductile Iron Pipe And Fitting Restraints** *(33 14 13 13-1099)*		
		Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1166	EA	4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	58.02	20.93
33 14 13 13-1167	EA	6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	75.49	27.31
33 14 13 13-1168	EA	8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	98.06	27.86
33 14 13 13-1169	EA	10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	116.94	29.59
33 14 13 13-1170	EA	12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	139.75	32.87
33 14 13 13-1171	EA	14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	177.72	36.98
33 14 13 13-1172	EA	16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	210.04	42.27
33 14 13 13-1173	EA	18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	237.28	45.79
33 14 13 13-1174	EA	20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	276.24	54.95
33 14 13 13-1175	EA	24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	334.59	57.06
33 14 13 13-1176	EA	30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	432.11	63.41
33 14 13 13-1177	EA	36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	568.18	68.67
33 14 13 13-1178	EA	42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	704.58	75.14
33 14 13 13-1179	EA	48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	832.61	84.53
33 14 13 13-1180	EA	54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,158.40	91.68
33 14 13 13-1181		**Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)** *(33 14 13 13-1099)*		
33 14 13 13-1182	EA	4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	248.31	76.85
33 14 13 13-1183	EA	6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	327.96	93.81
33 14 13 13-1184	EA	8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	422.52	114.43
33 14 13 13-1185	EA	10" Bell Restraint Harness, Ductile Iron (MEGALUG® 17100)	638.09	139.59
33 14 13 13-1186	EA	12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	791.56	170.21
33 14 13 13-1187	EA	14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,368.11	207.67
33 14 13 13-1188	EA	16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,561.24	253.44
33 14 13 13-1189	EA	18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,771.44	309.12
33 14 13 13-1190	EA	20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,409.81	377.20
33 14 13 13-1191	EA	24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,074.43	460.09
33 14 13 13-1192	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000)	5,316.03	561.42
33 14 13 13-1193	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600)	7,547.31	684.83
33 14 13 13-1194	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200)	13,726.73	835.58
33 14 13 13-1195	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800)	17,760.69	1,019.34
33 14 13 13-1196		**Ductile Iron Pipe Repair** *(33 14 13 13-0001)*		
		See CSI section 33 14 13 13-0002 for mechanical joint fittings.		
33 14 13 13-1197		**Ductile Iron Pipe Repair** *(33 14 13 13-1196)*		
		Note: Includes two transition sleeves, mechanical joint ductile iron sleeve and 16' of ductile iron pipe.		
33 14 13 13-1198	EA	30" Diameter Mechanical Ductile Iron Push Joint	4,380.25	
33 14 13 13-1199	EA	36" Diameter Mechanical Ductile Iron Push Joint	5,603.24	
33 14 13 13-1200	EA	42" Diameter Mechanical Ductile Iron Push Joint	7,211.41	
33 14 13 13-1201	EA	48" Diameter Mechanical Ductile Iron Push Joint	9,086.37	
33 14 13 13-1202	EA	54" Diameter Mechanical Ductile Iron Push Joint	13,294.43	
33 14 13 13-1203		**WEKO Seals** *(33 14 13 13-1196)*		
		Note: Internal joint seal.		
33 14 13 13-1204	EA	16" WEKO Internal Joint Seal	2,619.78	212.41
		For Extra Wide Seals, Add	*86.09*	
33 14 13 13-1205	EA	18" WEKO Internal Joint Seal	2,792.16	224.30
		For Extra Wide Seals, Add	*87.00*	
33 14 13 13-1206	EA	20" WEKO Internal Joint Seal	2,964.35	236.17
		For Extra Wide Seals, Add	*87.89*	
33 14 13 13-1207	EA	24" WEKO Internal Joint Seal	3,137.78	255.06
		For Extra Wide Seals, Add	*89.32*	
33 14 13 13-1208	EA	30" WEKO Internal Joint Seal	3,232.94	273.96
		For Extra Wide Seals, Add	*90.76*	
33 14 13 13-1209	EA	36" WEKO Internal Joint Seal	3,386.12	297.57
		For Extra Wide Seals, Add	*92.54*	
33 14 13 13-1210	EA	42" WEKO Internal Joint Seal	3,605.19	325.92
		For Extra Wide Seals, Add	*94.69*	
33 14 13 13-1211	EA	48" WEKO Internal Joint Seal	3,895.34	349.54
		For Extra Wide Seals, Add	*96.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1212	EA	54" WEKO Internal Joint Seal	4,037.48	368.43
		For Extra Wide Seals, Add	*97.91*	
33 14 13 13-1213	EA	60" WEKO Internal Joint Seal	4,201.75	396.77
		For Extra Wide Seals, Add	*100.06*	

33 14 13 23 Plastic Public Water Utility Distribution Piping *(33 14 13)*

Note: Includes detectable tracer wire.

33 14 13 23-0001 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping *(33 14 13 23)*

33 14 13 23-0002 Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe *(33 14 13 23-0001)*

33 14 13 23-0003	LF	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.49	0.87
		For >1,000, Deduct	*-0.12*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.05*	
33 14 13 23-0004	LF	1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	2.75	0.94
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.06*	
33 14 13 23-0005	LF	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.21	1.03
		For >1,000, Deduct	*-0.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.10*	
33 14 13 23-0006	LF	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	3.71	1.13
		For >1,000, Deduct	*-0.19*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0007	LF	2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	4.78	1.27
		For >1,000, Deduct	*-0.24*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.24*	
33 14 13 23-0008	LF	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	6.17	1.45
		For >1,000, Deduct	*-0.31*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.38*	
33 14 13 23-0009	LF	3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	7.54	1.62
		For >1,000, Deduct	*-0.38*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.52*	
33 14 13 23-0010	LF	4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	10.69	2.00
		For >1,000, Deduct	*-0.53*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.86*	
33 14 13 23-0011	LF	6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	18.77	2.53
		For >1,000, Deduct	*-0.94*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.86*	
33 14 13 23-0012	LF	8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	29.82	3.50
		For >1,000, Deduct	*-1.49*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*3.16*	
33 14 13 23-0013	LF	10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	44.46	4.68
		For >1,000, Deduct	*-2.22*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*4.92*	
33 14 13 23-0014	LF	12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe	61.92	6.30
		For >1,000, Deduct	*-3.10*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*6.93*	

33 14 13 23-0015 Class 200, SDR 21 Polyvinyl Chloride (PVC), 90 Degree Elbows *(33 14 13 23-0001)*

33 14 13 23-0016	EA	3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	26.60	10.50
33 14 13 23-0017	EA	1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	33.62	13.12
33 14 13 23-0018	EA	1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	42.34	16.41
33 14 13 23-0019	EA	1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	63.53	18.15
33 14 13 23-0020	EA	2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	68.78	20.35
33 14 13 23-0021	EA	2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	81.38	23.08
33 14 13 23-0022	EA	3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	91.40	25.96
33 14 13 23-0023	EA	4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	126.75	31.87
33 14 13 23-0024	EA	6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	182.39	40.49
33 14 13 23-0025	EA	8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	294.99	53.16
33 14 13 23-0026	EA	10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	362.91	71.12
33 14 13 23-0027	EA	12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow	479.78	95.73

33 14 13 23-0028 Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbows *(33 14 13 23-0001)*

33 14 13 23-0029	EA	3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	27.08	10.50
33 14 13 23-0030	EA	1" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	33.96	13.12
33 14 13 23-0031	EA	1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	42.55	16.41
33 14 13 23-0032	EA	1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	57.16	18.15
33 14 13 23-0033	EA	2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	69.37	20.35
33 14 13 23-0034	EA	2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	83.78	23.08
33 14 13 23-0035	EA	3" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	90.39	25.96
33 14 13 23-0036	EA	4" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	124.56	31.87
33 14 13 23-0037	EA	6" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	177.97	40.49
33 14 13 23-0038	EA	8" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	286.57	53.16
33 14 13 23-0039	EA	10" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	328.01	71.12
33 14 13 23-0040	EA	12" Class 200, SDR 21 Polyvinyl Chloride (PVC), 45 Degree Elbow	431.48	95.73

33 14 13 23-0041 Class 200, SDR 21 Polyvinyl Chloride (PVC), Tees Or Wyes *(33 14 13 23-0001)*

33 14 13 23-0042	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	39.86	15.75
33 14 13 23-0043	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	50.31	19.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0044	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	63.08	24.72
33 14 13 23-0045	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	87.47	27.35
33 14 13 23-0046	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	99.55	30.41
33 14 13 23-0047	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	115.86	34.68
33 14 13 23-0048	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	139.81	38.83
33 14 13 23-0049	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	183.64	47.86
33 14 13 23-0050	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	304.07	60.84
33 14 13 23-0051	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	455.46	79.74
33 14 13 23-0052	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	539.09	112.29
33 14 13 23-0053	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Tee Or Wye	674.39	151.11

33 14 13 23-0054 Class 200, SDR 21 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0001)*

33 14 13 23-0055	EA	3/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	17.81	7.00
33 14 13 23-0056	EA	1" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	24.04	9.41
33 14 13 23-0057	EA	1-1/4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	32.10	12.36
33 14 13 23-0058	EA	1-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	44.74	13.67
33 14 13 23-0059	EA	2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	49.34	15.21
33 14 13 23-0060	EA	2-1/2" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	56.12	17.28
33 14 13 23-0061	EA	3" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	64.60	19.41
33 14 13 23-0062	EA	4" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	88.61	23.88
33 14 13 23-0063	EA	6" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	126.63	30.42
33 14 13 23-0064	EA	8" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	215.03	39.87
33 14 13 23-0065	EA	10" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	255.86	56.20
33 14 13 23-0066	EA	12" Class 200 SDR 21 Polyvinyl Chloride (PVC), Coupling	326.15	75.55

33 14 13 23-0067 Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings *(33 14 13 23)*

33 14 13 23-0068 Schedule 40 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0067)*

33 14 13 23-0069	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	2.74	0.87
		For >1,000, Deduct	*-0.14*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.08*	
33 14 13 23-0070	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pipe	3.22	0.94
		For >1,000, Deduct	*-0.16*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.13*	
33 14 13 23-0071	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.15	1.13
		For >1,000, Deduct	*-0.21*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.20*	
33 14 13 23-0072	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	4.95	1.27
		For >1,000, Deduct	*-0.25*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.27*	
33 14 13 23-0073	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe	6.43	1.45
		For >1,000, Deduct	*-0.32*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.42*	
33 14 13 23-0074	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pipe	7.70	1.62
		For >1,000, Deduct	*-0.39*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.55*	
33 14 13 23-0075	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pipe	10.24	2.00
		For >1,000, Deduct	*-0.51*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.79*	
33 14 13 23-0076	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pipe	15.52	2.53
		For >1,000, Deduct	*-0.78*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.38*	

33 14 13 23-0077 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(33 14 13 23-0067)*

33 14 13 23-0078	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	26.77	10.50
33 14 13 23-0079	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	33.72	13.12
33 14 13 23-0080	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	46.89	18.15
33 14 13 23-0081	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	52.98	20.35
33 14 13 23-0082	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	63.63	23.08
33 14 13 23-0083	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	71.98	25.96
33 14 13 23-0084	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	94.25	31.87
33 14 13 23-0085	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbow	147.58	40.49

33 14 13 23-0086 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(33 14 13 23-0067)*

33 14 13 23-0087	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	26.73	10.50
33 14 13 23-0088	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	33.68	13.12
33 14 13 23-0089	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	46.91	18.15
33 14 13 23-0090	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	52.81	20.35
33 14 13 23-0091	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	63.18	23.08
33 14 13 23-0092	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	71.45	25.96
33 14 13 23-0093	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	93.18	31.87
33 14 13 23-0094	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbow	144.16	40.49

33 14 13 23-0095 Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes *(33 14 13 23-0067)*

33 14 13 23-0096	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	40.04	15.75
33 14 13 23-0097	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	50.45	19.80
33 14 13 23-0098	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	70.14	27.35

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0099	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	78.88	30.41
33 14 13 23-0100	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	95.71	34.68
33 14 13 23-0101	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	110.16	38.83
33 14 13 23-0102	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	137.01	47.86
33 14 13 23-0103	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tee Or Wye	224.65	60.84
33 14 13 23-0104		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0067)*		
33 14 13 23-0105	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	17.90	7.00
33 14 13 23-0106	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Coupling	24.11	9.41
33 14 13 23-0107	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	34.96	13.67
33 14 13 23-0108	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	39.43	15.21
33 14 13 23-0109	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Coupling	46.27	17.28
33 14 13 23-0110	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Coupling	53.18	19.41
33 14 13 23-0111	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Coupling	65.89	23.88
33 14 13 23-0112	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Coupling	97.09	30.42
33 14 13 23-0113		**Schedule 40 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0067)*		
33 14 13 23-0114	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Cross	53.55	21.00
33 14 13 23-0115	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Cross	67.19	26.36
33 14 13 23-0116	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	93.50	36.43
33 14 13 23-0117	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Cross	105.16	40.58
33 14 13 23-0118	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Cross	127.57	46.16
33 14 13 23-0119	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Cross	146.81	51.81
33 14 13 23-0120	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Cross	182.57	63.74
33 14 13 23-0121	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Cross	299.10	81.09
33 14 13 23-0122		**Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0123		**Schedule 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0122)*		
33 14 13 23-0124	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pipe	3.49	0.94
		For >1,000, Deduct	*-0.17*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.17*	
33 14 13 23-0125	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	4.68	1.13
		For >1,000, Deduct	*-0.23*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.28*	
33 14 13 23-0126	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	5.85	1.27
		For >1,000, Deduct	*-0.29*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.40*	
33 14 13 23-0127	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe	7.60	1.45
		For >1,000, Deduct	*-0.38*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.60*	
33 14 13 23-0128	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pipe	9.35	1.62
		For >1,000, Deduct	*-0.47*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*0.80*	
33 14 13 23-0129	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pipe	12.76	2.00
		For >1,000, Deduct	*-0.64*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*1.17*	
33 14 13 23-0130	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pipe	21.12	2.53
		For >1,000, Deduct	*-1.06*	
		For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	*2.22*	
33 14 13 23-0131		**Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0132	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	35.11	13.12
33 14 13 23-0133	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	46.89	18.15
33 14 13 23-0134	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	54.37	20.35
33 14 13 23-0135	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	66.59	23.08
33 14 13 23-0136	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	74.73	25.96
33 14 13 23-0137	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	94.91	31.87
33 14 13 23-0138	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow	144.45	40.49
33 14 13 23-0139		**Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows** *(33 14 13 23-0122)*		
33 14 13 23-0140	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	40.82	13.12
33 14 13 23-0141	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	52.39	18.15
33 14 13 23-0142	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	59.66	20.35
33 14 13 23-0143	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	76.50	23.08
33 14 13 23-0144	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	87.64	25.96
33 14 13 23-0145	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	120.87	31.87
33 14 13 23-0146	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow	142.71	40.49
33 14 13 23-0147		**Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes** *(33 14 13 23-0122)*		
33 14 13 23-0148	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	53.37	19.80
33 14 13 23-0149	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	79.01	27.35
33 14 13 23-0150	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	89.46	30.41
33 14 13 23-0151	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	101.31	34.68
33 14 13 23-0152	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	115.52	38.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0153	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	140.87	47.86
33 14 13 23-0154	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes	224.51	60.84
33 14 13 23-0155		**Schedule 80 Polyvinyl Chloride (PVC) Couplings** *(33 14 13 23-0122)*		
33 14 13 23-0156	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Coupling	26.20	9.41
33 14 13 23-0157	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	38.55	13.67
33 14 13 23-0158	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	42.80	15.21
33 14 13 23-0159	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling	54.93	17.28
33 14 13 23-0160	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Coupling	61.92	19.41
33 14 13 23-0161	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Coupling	76.50	23.88
33 14 13 23-0162	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Coupling	111.91	30.42
33 14 13 23-0163		**Schedule 80 Polyvinyl Chloride (PVC) Crosses** *(33 14 13 23-0122)*		
33 14 13 23-0164	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Cross	71.07	26.36
33 14 13 23-0165	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	105.28	36.43
33 14 13 23-0166	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Cross	119.20	40.58
33 14 13 23-0167	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross	135.00	46.16
33 14 13 23-0168	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Cross	153.92	51.81
33 14 13 23-0169	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Cross	187.70	63.74
33 14 13 23-0170	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Cross	298.92	81.09
33 14 13 23-0171		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings** *(33 14 13 23)*		
33 14 13 23-0172		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe** *(33 14 13 23-0171)*		
33 14 13 23-0173	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	58.55	3.37
33 14 13 23-0174	LF	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	83.47	3.62
33 14 13 23-0175	LF	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	112.80	4.20
33 14 13 23-0176	LF	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	153.68	5.39
33 14 13 23-0177	LF	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	175.83	6.56
33 14 13 23-0178		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows** *(33 14 13 23-0171)*		
33 14 13 23-0179	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	741.50	48.86
33 14 13 23-0180	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	1,561.64	81.92
33 14 13 23-0181	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	2,721.45	89.41
33 14 13 23-0182	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	6,455.97	96.74
33 14 13 23-0183	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	8,743.50	104.07
33 14 13 23-0184		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows** *(33 14 13 23-0171)*		
33 14 13 23-0185	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,041.82	48.86
33 14 13 23-0186	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,258.67	81.92
33 14 13 23-0187	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	1,703.26	89.41
33 14 13 23-0188	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	3,337.27	96.74
33 14 13 23-0189	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	4,778.18	104.07
33 14 13 23-0190		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees** *(33 14 13 23-0171)*		
33 14 13 23-0191	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	1,439.46	78.18
33 14 13 23-0192	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,122.17	116.83
33 14 13 23-0193	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	2,809.16	124.60
33 14 13 23-0194	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	6,855.05	131.93
33 14 13 23-0195	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	9,669.86	139.24
33 14 13 23-0196		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees** *(33 14 13 23-0171)*		
33 14 13 23-0197	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,414.99	74.26
33 14 13 23-0198	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,539.87	105.43
33 14 13 23-0199	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,757.83	110.99
33 14 13 23-0200	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	1,995.84	106.82
33 14 13 23-0201	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,216.49	112.44
33 14 13 23-0202	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	2,529.55	118.36
33 14 13 23-0203	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	4,929.76	107.46
33 14 13 23-0204	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,311.51	113.11
33 14 13 23-0205	EA	14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,798.11	119.06
33 14 13 23-0206	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,360.37	125.33
33 14 13 23-0207	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	5,989.82	107.75
33 14 13 23-0208	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	6,678.17	113.42
33 14 13 23-0209	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	7,220.16	119.38
33 14 13 23-0210	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,056.01	125.67
33 14 13 23-0211	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee	8,931.98	132.28
33 14 13 23-0212		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes** *(33 14 13 23-0171)*		
33 14 13 23-0213	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	1,453.85	78.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0214	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	2,453.88	116.83
33 14 13 23-0215	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	3,322.59	124.60
33 14 13 23-0216	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	10,798.63	131.93
33 14 13 23-0217	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye	13,479.40	139.24
33 14 13 23-0218		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes** *(33 14 13 23-0171)*		
33 14 13 23-0219	EA	8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,265.38	74.26
33 14 13 23-0220	EA	10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	1,761.61	105.43
33 14 13 23-0221	EA	10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,041.50	110.99
33 14 13 23-0222	EA	12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,352.95	106.82
33 14 13 23-0223	EA	12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	2,482.79	112.44
33 14 13 23-0224	EA	12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	3,006.58	118.36
33 14 13 23-0225	EA	14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,198.23	107.46
33 14 13 23-0226	EA	14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	5,615.32	113.11
33 14 13 23-0227	EA	14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,809.59	125.33
33 14 13 23-0228	EA	16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	6,215.75	107.75
33 14 13 23-0229	EA	16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	7,188.20	113.42
33 14 13 23-0230	EA	16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,058.32	119.38
33 14 13 23-0231	EA	16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	8,730.09	125.67
33 14 13 23-0232	EA	16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye	10,917.69	132.28
33 14 13 23-0233		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings** *(33 14 13 23-0171)*		
33 14 13 23-0234	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	672.74	48.86
33 14 13 23-0235	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	910.81	81.92
33 14 13 23-0236	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	1,263.94	89.41
33 14 13 23-0237	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	2,518.84	96.74
33 14 13 23-0238	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling	3,756.66	104.07
33 14 13 23-0239		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings** *(33 14 13 23-0171)*		
33 14 13 23-0240	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	917.27	46.41
33 14 13 23-0241	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	673.36	44.09
33 14 13 23-0242	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	932.44	77.82
33 14 13 23-0243	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,812.66	73.93
33 14 13 23-0244	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,689.54	70.23
33 14 13 23-0245	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,325.36	66.72
33 14 13 23-0246	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	830.14	84.93
33 14 13 23-0247	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,433.64	80.69
33 14 13 23-0248	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	2,049.79	76.65
33 14 13 23-0249	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,772.45	72.81
33 14 13 23-0250	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	1,621.02	91.89
33 14 13 23-0251	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,214.59	87.30
33 14 13 23-0252	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,632.16	82.94
33 14 13 23-0253	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,477.46	78.79
33 14 13 23-0254	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,296.22	74.85
33 14 13 23-0255	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling	3,009.46	98.87
33 14 13 23-0256		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings** *(33 14 13 23-0171)*		
33 14 13 23-0257	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	807.57	82.94
33 14 13 23-0258	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,428.72	78.79
33 14 13 23-0259	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,081.91	78.79
33 14 13 23-0260	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,774.95	74.85
33 14 13 23-0261	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,868.77	71.11
33 14 13 23-0262	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,781.63	67.56
33 14 13 23-0263	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,630.39	74.85
33 14 13 23-0264	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,977.20	71.11
33 14 13 23-0265	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,913.65	67.56
33 14 13 23-0266	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	2,116.99	64.18
33 14 13 23-0267	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	1,964.04	71.11
33 14 13 23-0268	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,282.16	67.56
33 14 13 23-0269	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,104.30	64.18
33 14 13 23-0270	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	5,005.53	60.97
33 14 13 23-0271	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,807.13	57.92
33 14 13 23-0272	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling	4,524.25	93.92
33 14 13 23-0273		**Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges** *(33 14 13 23-0171)*		
33 14 13 23-0274	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	894.54	48.86
33 14 13 23-0275	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	2,064.21	81.92
33 14 13 23-0276	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,013.63	89.41
33 14 13 23-0277	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	3,385.82	96.74
33 14 13 23-0278	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange	4,190.17	104.07
33 14 13 23-0279	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	28.15	
33 14 13 23-0280	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	36.68	
33 14 13 23-0281	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	50.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0282	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	107.98	
33 14 13 23-0283	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket	191.57	
33 14 13 23-0284	EA	Zinc Coated Flange Hardware Kit	179.88	
33 14 13 23-0285		**AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23)*		
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.		
33 14 13 23-0286		**AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0287	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	11.37	3.96
33 14 13 23-0288	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	16.60	4.81
33 14 13 23-0289	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	22.89	5.40
33 14 13 23-0290	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	30.22	6.00
33 14 13 23-0291	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	39.24	6.72
33 14 13 23-0292		**AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0293	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	12.60	3.96
33 14 13 23-0294	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	19.16	4.81
33 14 13 23-0295	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	27.19	5.40
33 14 13 23-0296	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	36.91	6.00
33 14 13 23-0297	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	48.58	6.72
33 14 13 23-0298		**AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0299	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	13.81	3.96
33 14 13 23-0300	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	21.70	4.81
33 14 13 23-0301	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	31.49	5.40
33 14 13 23-0302	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	43.45	6.00
33 14 13 23-0303	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe	57.92	6.72
33 14 13 23-0304		**AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0305	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	61.63	10.08
33 14 13 23-0306	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	75.18	12.00
33 14 13 23-0307	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	101.06	14.41
33 14 13 23-0308	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	146.55	16.81
33 14 13 23-0309	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	202.82	19.20
33 14 13 23-0310	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	257.50	20.41
33 14 13 23-0311	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe	326.66	21.96
33 14 13 23-0312		**AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0313	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	45.49	7.56
33 14 13 23-0314	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	57.20	8.40
33 14 13 23-0315	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	70.98	10.08
33 14 13 23-0316	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	87.32	12.00
33 14 13 23-0317	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	119.78	14.41
33 14 13 23-0318	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	173.40	16.81
33 14 13 23-0319	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	238.77	19.20
33 14 13 23-0320	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	317.29	20.41
33 14 13 23-0321	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe	404.24	21.96
33 14 13 23-0322		**AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0323	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	52.68	7.56
33 14 13 23-0324	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	67.19	8.40
33 14 13 23-0325	LF	18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	83.38	10.08
33 14 13 23-0326	LF	20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	103.41	12.00
33 14 13 23-0327	LF	24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	142.88	14.41
33 14 13 23-0328	LF	30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	208.11	16.81
33 14 13 23-0329	LF	36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	289.44	19.20
33 14 13 23-0330	LF	42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	377.32	20.41
33 14 13 23-0331	LF	48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	482.57	21.96
33 14 13 23-0332		**AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0333	LF	14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	64.98	7.56
33 14 13 23-0334	LF	16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	81.79	8.40
33 14 13 23-0335	LF	18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	102.18	10.08
33 14 13 23-0336	LF	20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	126.12	12.00
33 14 13 23-0337	LF	24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	175.63	14.41
33 14 13 23-0338	LF	30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	259.50	16.81
33 14 13 23-0339	LF	36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	368.45	19.20
33 14 13 23-0340	LF	42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	493.18	20.41
33 14 13 23-0341	LF	48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	638.05	21.96
33 14 13 23-0342		**AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe** *(33 14 13 23-0285)*		
33 14 13 23-0343	LF	14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	74.22	7.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0344	LF	16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	93.81	8.40
33 14 13 23-0345	LF	18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	117.35	10.08
33 14 13 23-0346	LF	20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	145.00	12.00
33 14 13 23-0347	LF	24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	202.79	14.41
33 14 13 23-0348	LF	30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	301.29	16.81
33 14 13 23-0349	LF	36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	429.50	19.20
33 14 13 23-0350	LF	42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	576.86	20.41

33 14 13 23-0351 AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe *(33 14 13 23-0285)*

33 14 13 23-0352	LF	14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	83.22	7.56
33 14 13 23-0353	LF	16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	105.51	8.40
33 14 13 23-0354	LF	18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	132.08	10.08
33 14 13 23-0355	LF	20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	163.38	12.00
33 14 13 23-0356	LF	24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	229.22	14.41
33 14 13 23-0357	LF	30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	341.95	16.81
33 14 13 23-0358	LF	36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	488.91	19.20

33 14 13 23-0359 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings *(33 14 13 23)*

Note: Includes rubber gaskets.

33 14 13 23-0360 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbows *(33 14 13 23-0359)*

33 14 13 23-0361	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	216.39	13.12
		For DR 25, Deduct	*-11.41*	
33 14 13 23-0362	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	444.57	14.77
		For DR 25, Deduct	*-24.90*	
33 14 13 23-0363	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	668.52	16.41
		For DR 25, Deduct	*-38.14*	
33 14 13 23-0364	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,021.14	26.24
		For DR 25, Deduct	*-58.12*	
33 14 13 23-0365	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,327.79	43.74
		For DR 25, Deduct	*-74.42*	
33 14 13 23-0366	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	1,995.29	54.67
		For DR 25, Deduct	*-113.16*	
33 14 13 23-0367	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	2,381.09	65.60
		For DR 25, Deduct	*-134.99*	
33 14 13 23-0368	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	4,088.78	87.47
		For DR 25, Deduct	*-234.83*	
33 14 13 23-0369	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	5,033.22	109.34
		For DR 25, Deduct	*-288.87*	
33 14 13 23-0370	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 90 Degree Elbow	8,359.01	147.61
		For DR 25, Deduct	*-483.83*	

33 14 13 23-0371 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbows *(33 14 13 23-0359)*

33 14 13 23-0372	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	191.56	13.12
		For DR 25, Deduct	*-9.92*	
33 14 13 23-0373	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	331.98	14.77
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0374	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	420.99	16.41
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0375	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	595.43	26.24
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0376	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	795.09	43.74
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0377	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,531.93	54.67
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0378	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	1,942.12	65.60
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0379	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	3,354.85	87.47
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0380	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	4,166.78	109.34
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0381	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 45 Degree Elbow	5,880.92	147.61
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0382 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbows *(33 14 13 23-0359)*

33 14 13 23-0383	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	188.54	13.12
		For DR 25, Deduct	*-9.74*	
33 14 13 23-0384	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	331.98	14.77
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0385	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	420.99	16.41
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0386	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	595.45	26.24
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0387	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	795.10	43.74
		For DR 25, Deduct	*-42.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0388	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,527.54	52.48
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0389	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	1,942.10	65.60
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0390	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	3,354.85	87.47
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0391	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	4,166.78	109.34
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0392	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 22-1/2 Degree Elbow	5,880.92	147.61
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0393 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbows *(33 14 13 23-0359)*

33 14 13 23-0394	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	166.31	13.12
		For DR 25, Deduct	*-8.40*	
33 14 13 23-0395	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	331.98	14.77
		For DR 25, Deduct	*-18.15*	
33 14 13 23-0396	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	420.99	16.41
		For DR 25, Deduct	*-23.29*	
33 14 13 23-0397	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	595.45	26.24
		For DR 25, Deduct	*-32.58*	
33 14 13 23-0398	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	795.10	43.74
		For DR 25, Deduct	*-42.46*	
33 14 13 23-0399	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,527.54	52.48
		For DR 25, Deduct	*-85.35*	
33 14 13 23-0400	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	1,942.10	65.60
		For DR 25, Deduct	*-108.65*	
33 14 13 23-0401	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	3,354.85	87.47
		For DR 25, Deduct	*-190.79*	
33 14 13 23-0402	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	4,166.78	109.34
		For DR 25, Deduct	*-236.89*	
33 14 13 23-0403	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), 11-1/4 Degree Elbow	5,880.92	147.61
		For DR 25, Deduct	*-335.14*	

33 14 13 23-0404 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tees Or Wyes *(33 14 13 23-0359)*

33 14 13 23-0405	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	257.28	14.77
		For DR 25, Deduct	*-13.67*	
33 14 13 23-0406	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	498.40	16.41
		For DR 25, Deduct	*-27.94*	
33 14 13 23-0407	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	696.04	18.60
		For DR 25, Deduct	*-39.53*	
33 14 13 23-0408	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,436.29	32.80
		For DR 25, Deduct	*-82.24*	
33 14 13 23-0409	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	1,750.24	65.60
		For DR 25, Deduct	*-97.14*	
33 14 13 23-0410	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,165.02	82.01
		For DR 25, Deduct	*-180.06*	
33 14 13 23-0411	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee Or Wye	3,920.54	98.40
		For DR 25, Deduct	*-223.42*	
33 14 13 23-0412	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	4,946.02	131.21
		For DR 25, Deduct	*-281.02*	
33 14 13 23-0413	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	5,938.85	164.00
		For DR 25, Deduct	*-336.65*	
33 14 13 23-0414	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Tee	8,160.48	111.52
		For DR 25, Deduct	*-476.25*	

33 14 13 23-0415 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tees Or Wyes *(33 14 13 23-0359)*

33 14 13 23-0416	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	495.65	21.33
		For DR 25, Deduct	*-27.18*	
33 14 13 23-0417	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	674.94	22.97
		For DR 25, Deduct	*-37.74*	
33 14 13 23-0418	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	691.82	23.79
		For DR 25, Deduct	*-38.65*	
33 14 13 23-0419	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	897.97	32.80
		For DR 25, Deduct	*-49.94*	
33 14 13 23-0420	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,217.35	33.62
		For DR 25, Deduct	*-69.01*	
33 14 13 23-0421	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,302.46	34.45
		For DR 25, Deduct	*-74.01*	
33 14 13 23-0422	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,379.31	50.30
		For DR 25, Deduct	*-76.72*	
33 14 13 23-0423	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,584.06	51.11
		For DR 25, Deduct	*-88.91*	
33 14 13 23-0424	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	1,680.76	51.94
		For DR 25, Deduct	*-94.61*	
33 14 13 23-0425	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye)	1,711.99	56.85
		For DR 25, Deduct	*-95.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0426	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,603.01	59.05
		For DR 25, Deduct	*-149.10*	
33 14 13 23-0427	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,707.88	59.86
		For DR 25, Deduct	*-155.29*	
33 14 13 23-0428	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,813.02	60.69
		For DR 25, Deduct	*-161.50*	
33 14 13 23-0429	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	2,925.76	65.60
		For DR 25, Deduct	*-167.67*	
33 14 13 23-0430	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,046.54	74.35
		For DR 25, Deduct	*-173.87*	
33 14 13 23-0431	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,248.65	72.16
		For DR 25, Deduct	*-186.26*	
33 14 13 23-0432	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,351.85	72.16
		For DR 25, Deduct	*-192.45*	
33 14 13 23-0433	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,456.73	72.99
		For DR 25, Deduct	*-198.65*	
33 14 13 23-0434	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,561.62	73.80
		For DR 25, Deduct	*-204.84*	
33 14 13 23-0435	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,692.16	87.47
		For DR 25, Deduct	*-211.03*	
33 14 13 23-0436	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	3,804.13	91.84
		For DR 25, Deduct	*-217.23*	
33 14 13 23-0437	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,014.25	94.04
		For DR 25, Deduct	*-229.57*	
33 14 13 23-0438	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,119.85	94.85
		For DR 25, Deduct	*-235.81*	
33 14 13 23-0439	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,224.72	95.67
		For DR 25, Deduct	*-242.00*	
33 14 13 23-0440	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,337.79	100.59
		For DR 25, Deduct	*-248.20*	
33 14 13 23-0441	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,458.47	109.34
		For DR 25, Deduct	*-254.39*	
33 14 13 23-0442	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,569.75	113.71
		For DR 25, Deduct	*-260.54*	
33 14 13 23-0443	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	4,711.06	120.27
		For DR 25, Deduct	*-268.23*	
33 14 13 23-0444	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,091.69	115.90
		For DR 25, Deduct	*-291.59*	
33 14 13 23-0445	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,269.60	116.71
		For DR 25, Deduct	*-302.17*	
33 14 13 23-0446	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,339.58	117.54
		For DR 25, Deduct	*-306.27*	
33 14 13 23-0447	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,417.83	122.46
		For DR 25, Deduct	*-310.38*	
33 14 13 23-0448	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,503.70	131.21
		For DR 25, Deduct	*-314.48*	
33 14 13 23-0449	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,623.27	135.58
		For DR 25, Deduct	*-321.13*	
33 14 13 23-0450	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,747.25	142.14
		For DR 25, Deduct	*-327.78*	
33 14 13 23-0451	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,843.04	153.07
		For DR 25, Deduct	*-332.21*	
33 14 13 23-0452	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	5,993.07	154.17
		For DR 25, Deduct	*-341.08*	
33 14 13 23-0453	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,068.67	154.99
		For DR 25, Deduct	*-345.52*	
33 14 13 23-0454	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,144.25	155.81
		For DR 25, Deduct	*-349.96*	
33 14 13 23-0455	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,454.78	160.72
		For DR 25, Deduct	*-368.00*	
33 14 13 23-0456	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	6,772.93	169.47
		For DR 25, Deduct	*-386.04*	
33 14 13 23-0457	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,082.37	173.85
		For DR 25, Deduct	*-404.08*	
33 14 13 23-0458	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,396.17	180.41
		For DR 25, Deduct	*-422.12*	
33 14 13 23-0459	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	7,718.74	191.34
		For DR 25, Deduct	*-440.16*	
33 14 13 23-0460	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Tee Or Wye	8,041.28	202.27
		For DR 25, Deduct	*-458.20*	

33 14 13 23-0461 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross *(33 14 13 23-0359)*

33 14 13 23-0462	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	356.17	26.25
		For DR 25, Deduct	*-18.22*	
33 14 13 23-0463	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	641.85	29.53
		For DR 25, Deduct	*-34.97*	
33 14 13 23-0464	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	889.60	32.81
		For DR 25, Deduct	*-49.44*	
33 14 13 23-0465	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	1,817.61	52.48
		For DR 25, Deduct	*-102.76*	
33 14 13 23-0466	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	2,155.41	65.60
		For DR 25, Deduct	*-121.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0467	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	3,926.43	87.47
		For DR 25, Deduct	*-225.09*	
33 14 13 23-0468	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	4,872.61	109.34
		For DR 25, Deduct	*-279.25*	
33 14 13 23-0469	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	6,205.28	174.95
		For DR 25, Deduct	*-351.32*	
33 14 13 23-0470	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	7,451.00	218.67
		For DR 25, Deduct	*-420.82*	
33 14 13 23-0471	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Cross	10,511.62	295.21
		For DR 25, Deduct	*-595.27*	

33 14 13 23-0472 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross *(33 14 13 23-0359)*

33 14 13 23-0473	EA	6" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	622.47	27.89
		For DR 25, Deduct	*-34.00*	
33 14 13 23-0474	EA	8" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	846.29	29.53
		For DR 25, Deduct	*-47.23*	
33 14 13 23-0475	EA	8" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	867.81	31.17
		For DR 25, Deduct	*-48.33*	
33 14 13 23-0476	EA	10" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,302.96	39.36
		For DR 25, Deduct	*-73.45*	
33 14 13 23-0477	EA	10" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,519.84	41.00
		For DR 25, Deduct	*-86.27*	
33 14 13 23-0478	EA	10" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,669.86	42.64
		For DR 25, Deduct	*-95.07*	
33 14 13 23-0479	EA	12" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,712.64	56.85
		For DR 25, Deduct	*-95.94*	
33 14 13 23-0480	EA	12" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	1,969.20	58.49
		For DR 25, Deduct	*-111.13*	
33 14 13 23-0481	EA	12" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,091.33	60.13
		For DR 25, Deduct	*-118.26*	
33 14 13 23-0482	EA	12" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	2,137.65	69.98
		For DR 25, Deduct	*-119.86*	
33 14 13 23-0483	EA	14" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,237.36	65.60
		For DR 25, Deduct	*-186.37*	
33 14 13 23-0484	EA	14" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,369.29	67.24
		For DR 25, Deduct	*-194.09*	
33 14 13 23-0485	EA	14" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,502.64	68.88
		For DR 25, Deduct	*-201.89*	
33 14 13 23-0486	EA	14" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,651.86	78.73
		For DR 25, Deduct	*-209.66*	
33 14 13 23-0487	EA	14" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	3,815.40	96.22
		For DR 25, Deduct	*-217.38*	
33 14 13 23-0488	EA	16" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,037.22	78.73
		For DR 25, Deduct	*-232.79*	
33 14 13 23-0489	EA	16" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,170.89	80.37
		For DR 25, Deduct	*-240.61*	
33 14 13 23-0490	EA	16" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,303.13	82.01
		For DR 25, Deduct	*-248.35*	
33 14 13 23-0491	EA	16" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,452.24	91.84
		For DR 25, Deduct	*-256.11*	
33 14 13 23-0492	EA	16" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,523.87	109.34
		For DR 25, Deduct	*-258.31*	
33 14 13 23-0493	EA	16" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,762.11	118.08
		For DR 25, Deduct	*-271.56*	
33 14 13 23-0494	EA	18" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	4,984.56	100.59
		For DR 25, Deduct	*-287.00*	
33 14 13 23-0495	EA	18" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,117.92	102.23
		For DR 25, Deduct	*-294.81*	
33 14 13 23-0496	EA	18" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,250.37	103.87
		For DR 25, Deduct	*-302.56*	
33 14 13 23-0497	EA	18" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,397.53	113.71
		For DR 25, Deduct	*-310.21*	
33 14 13 23-0498	EA	18" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,562.61	131.21
		For DR 25, Deduct	*-318.01*	
33 14 13 23-0499	EA	18" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,708.66	139.96
		For DR 25, Deduct	*-325.73*	
33 14 13 23-0500	EA	18" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	5,894.90	153.07
		For DR 25, Deduct	*-335.33*	
33 14 13 23-0501	EA	20" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,320.39	122.46
		For DR 25, Deduct	*-364.53*	
33 14 13 23-0502	EA	20" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,543.64	124.10
		For DR 25, Deduct	*-377.73*	
33 14 13 23-0503	EA	20" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,632.99	125.74
		For DR 25, Deduct	*-382.89*	
33 14 13 23-0504	EA	20" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,737.81	135.58
		For DR 25, Deduct	*-388.00*	
33 14 13 23-0505	EA	20" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	6,857.95	153.07
		For DR 25, Deduct	*-393.11*	
33 14 13 23-0506	EA	20" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,013.02	161.82
		For DR 25, Deduct	*-401.36*	
33 14 13 23-0507	EA	20" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,179.60	174.95
		For DR 25, Deduct	*-409.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0508	EA	20" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,315.49	196.81
		For DR 25, Deduct	*-415.31*	
33 14 13 23-0509	EA	24" x 4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,386.35	160.72
		For DR 25, Deduct	*-423.89*	
33 14 13 23-0510	EA	24" x 6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,523.56	162.36
		For DR 25, Deduct	*-431.93*	
33 14 13 23-0511	EA	24" x 8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	7,619.65	164.00
		For DR 25, Deduct	*-437.50*	
33 14 13 23-0512	EA	24" x 10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,014.75	173.85
		For DR 25, Deduct	*-460.02*	
33 14 13 23-0513	EA	24" x 12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,425.29	191.34
		For DR 25, Deduct	*-482.56*	
33 14 13 23-0514	EA	24" x 14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	8,818.26	200.09
		For DR 25, Deduct	*-505.08*	
33 14 13 23-0515	EA	24" x 16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,221.59	213.21
		For DR 25, Deduct	*-527.71*	
33 14 13 23-0516	EA	24" x 18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	9,640.00	235.08
		For DR 25, Deduct	*-550.19*	
33 14 13 23-0517	EA	24" x 20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Reducing Cross	10,060.02	256.94
		For DR 25, Deduct	*-572.77*	

33 14 13 23-0518 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Couplings *(33 14 13 23-0359)*

33 14 13 23-0519	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	128.65	13.12
		For DR 25, Deduct	*-6.14*	
33 14 13 23-0520	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	240.89	14.77
		For DR 25, Deduct	*-12.68*	
33 14 13 23-0521	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	290.11	16.41
		For DR 25, Deduct	*-15.44*	
33 14 13 23-0522	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	412.39	26.24
		For DR 25, Deduct	*-21.59*	
33 14 13 23-0523	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	656.98	32.80
		For DR 25, Deduct	*-35.48*	
33 14 13 23-0524	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,141.27	43.74
		For DR 25, Deduct	*-63.23*	
33 14 13 23-0525	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	1,351.66	54.67
		For DR 25, Deduct	*-74.54*	
33 14 13 23-0526	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,240.63	87.47
		For DR 25, Deduct	*-183.94*	
33 14 13 23-0527	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	3,631.73	109.34
		For DR 25, Deduct	*-204.78*	
33 14 13 23-0528	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Coupling	5,114.25	147.61
		For DR 25, Deduct	*-289.14*	

33 14 13 23-0529 AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter *(33 14 13 23-0359)*

33 14 13 23-0530	EA	4" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	159.83	13.12
		For DR 25, Deduct	*-8.01*	
33 14 13 23-0531	EA	6" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	217.49	14.77
		For DR 25, Deduct	*-11.28*	
33 14 13 23-0532	EA	8" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	316.76	16.41
		For DR 25, Deduct	*-17.04*	
33 14 13 23-0533	EA	10" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	433.18	26.24
		For DR 25, Deduct	*-22.84*	
33 14 13 23-0534	EA	12" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	694.00	43.74
		For DR 25, Deduct	*-36.39*	
33 14 13 23-0535	EA	14" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	1,849.10	52.48
		For DR 25, Deduct	*-104.65*	
33 14 13 23-0536	EA	16" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	2,503.64	65.60
		For DR 25, Deduct	*-142.35*	
33 14 13 23-0537	EA	18" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,084.12	87.47
		For DR 25, Deduct	*-174.55*	
33 14 13 23-0538	EA	20" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	3,684.14	109.34
		For DR 25, Deduct	*-207.93*	
33 14 13 23-0539	EA	24" AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC), Flanged End x Gasket Joint Adapter	5,004.89	147.61
		For DR 25, Deduct	*-282.58*	

33 14 13 23-0540 AWWA C906, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23)*

Note: ASTM D3350 pipe, ASTM D2657 heat fusion.

33 14 13 23-0541 High-Density Polyethylene (HDPE) Pressure Pipe *(33 14 13 23-0540)*

33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	8.07	3.12
		For SDR 19, Add	*0.16*	
		For SDR 17, Add	*0.39*	
		For SDR 15.5, Add	*0.58*	
		For SDR 13.5, Add	*0.90*	
		For SDR 11, Add	*1.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0543	LF	4" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	9.57	3.96
		For SDR 26, Deduct	*-0.30*	
		For SDR 19, Add	*0.15*	
		For SDR 17, Add	*0.36*	
		For SDR 15.5, Add	*0.53*	
		For SDR 13.5, Add	*0.83*	
		For SDR 11, Add	*1.34*	
33 14 13 23-0544	LF	6" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	13.14	4.81
		For SDR 26, Deduct	*-0.65*	
		For SDR 19, Add	*0.32*	
		For SDR 17, Add	*0.79*	
		For SDR 15.5, Add	*1.15*	
		For SDR 13.5, Add	*1.80*	
		For SDR 11, Add	*2.89*	
33 14 13 23-0545	LF	8" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	16.82	5.40
		For SDR 26, Deduct	*-1.10*	
		For SDR 19, Add	*0.54*	
		For SDR 17, Add	*1.34*	
		For SDR 15.5, Add	*1.96*	
		For SDR 13.5, Add	*3.05*	
		For SDR 11, Add	*4.91*	
33 14 13 23-0546	LF	10" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	21.35	6.00
		For SDR 26, Deduct	*-1.71*	
		For SDR 19, Add	*0.84*	
		For SDR 17, Add	*2.08*	
		For SDR 15.5, Add	*3.04*	
		For SDR 13.5, Add	*4.75*	
		For SDR 11, Add	*7.64*	
33 14 13 23-0547	LF	12" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	26.80	6.72
		For SDR 26, Deduct	*-2.47*	
		For SDR 19, Add	*1.21*	
		For SDR 17, Add	*3.00*	
		For SDR 15.5, Add	*4.39*	
		For SDR 13.5, Add	*6.85*	
		For SDR 11, Add	*11.02*	
33 14 13 23-0548	LF	14" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	30.84	7.56
		For SDR 26, Deduct	*-2.90*	
		For SDR 19, Add	*1.43*	
		For SDR 17, Add	*3.52*	
		For SDR 15.5, Add	*5.15*	
		For SDR 13.5, Add	*8.05*	
		For SDR 11, Add	*12.95*	
33 14 13 23-0549	LF	16" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	37.51	8.40
		For SDR 26, Deduct	*-3.79*	
		For SDR 19, Add	*1.86*	
		For SDR 17, Add	*4.60*	
		For SDR 15.5, Add	*6.74*	
		For SDR 13.5, Add	*10.51*	
		For SDR 11, Add	*16.92*	
33 14 13 23-0550	LF	18" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	46.39	10.08
		For SDR 26, Deduct	*-4.80*	
		For SDR 19, Add	*2.35*	
		For SDR 17, Add	*5.81*	
		For SDR 15.5, Add	*8.51*	
		For SDR 13.5, Add	*13.29*	
		For SDR 11, Add	*21.39*	
33 14 13 23-0551	LF	20" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	80.99	12.00
		For SDR 26, Deduct	*-10.44*	
		For SDR 19, Add	*5.13*	
		For SDR 17, Add	*12.66*	
		For SDR 15.5, Add	*18.54*	
		For SDR 13.5, Add	*28.94*	
		For SDR 11, Add	*46.58*	
33 14 13 23-0552	LF	24" DR 21, Butt Fusion Joint High-Density Polyethylene (HDPE) Pressure Pipe	75.35	14.41
		For SDR 26, Deduct	*-8.53*	
		For SDR 19, Add	*4.19*	
		For SDR 17, Add	*10.34*	
		For SDR 15.5, Add	*15.15*	
		For SDR 13.5, Add	*23.64*	
		For SDR 11, Add	*38.05*	
33 14 13 23-0553		90 Degree Elbows, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*		
33 14 13 23-0554	EA	3" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	62.98	16.41
		For SDR 26, Deduct	*-2.52*	
		For SDR 19, Add	*1.24*	
		For SDR 17, Add	*3.06*	
		For SDR 15.5, Add	*4.48*	
		For SDR 13.5, Add	*6.99*	
		For SDR 11, Add	*11.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0555	EA	4" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	71.08	18.24
		For SDR 26, Deduct	*-3.00*	
		For SDR 19, Add	*1.48*	
		For SDR 17, Add	*3.64*	
		For SDR 15.5, Add	*5.33*	
		For SDR 13.5, Add	*8.32*	
		For SDR 11, Add	*13.40*	
33 14 13 23-0556	EA	6" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	106.07	20.84
		For SDR 26, Deduct	*-7.99*	
		For SDR 19, Add	*3.92*	
		For SDR 17, Add	*9.69*	
		For SDR 15.5, Add	*14.19*	
		For SDR 13.5, Add	*22.14*	
		For SDR 11, Add	*35.64*	
33 14 13 23-0557	EA	8" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	164.08	24.33
		For SDR 26, Deduct	*-16.70*	
		For SDR 19, Add	*8.20*	
		For SDR 17, Add	*20.25*	
		For SDR 15.5, Add	*29.65*	
		For SDR 13.5, Add	*46.28*	
		For SDR 11, Add	*74.50*	
33 14 13 23-0558	EA	10" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	249.34	32.49
		For SDR 26, Deduct	*-27.88*	
		For SDR 19, Add	*13.69*	
		For SDR 17, Add	*33.80*	
		For SDR 15.5, Add	*49.50*	
		For SDR 13.5, Add	*77.26*	
		For SDR 11, Add	*124.35*	
33 14 13 23-0559	EA	12" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	368.54	48.62
		For SDR 26, Deduct	*-40.83*	
		For SDR 19, Add	*20.05*	
		For SDR 17, Add	*49.49*	
		For SDR 15.5, Add	*72.48*	
		For SDR 13.5, Add	*113.13*	
		For SDR 11, Add	*182.09*	
33 14 13 23-0560	EA	14" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	460.09	64.89
		For SDR 26, Deduct	*-48.67*	
		For SDR 19, Add	*23.90*	
		For SDR 17, Add	*59.00*	
		For SDR 15.5, Add	*86.40*	
		For SDR 13.5, Add	*134.86*	
		For SDR 11, Add	*217.07*	
33 14 13 23-0561	EA	16" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	609.58	97.24
		For SDR 26, Deduct	*-58.29*	
		For SDR 19, Add	*28.62*	
		For SDR 17, Add	*70.66*	
		For SDR 15.5, Add	*103.47*	
		For SDR 13.5, Add	*161.50*	
		For SDR 11, Add	*259.95*	
33 14 13 23-0562	EA	18" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	760.87	109.38
		For SDR 26, Deduct	*-79.32*	
		For SDR 19, Add	*38.94*	
		For SDR 17, Add	*96.15*	
		For SDR 15.5, Add	*140.80*	
		For SDR 13.5, Add	*219.77*	
		For SDR 11, Add	*353.74*	
33 14 13 23-0563	EA	20" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,026.97	124.14
		For SDR 26, Deduct	*-119.28*	
		For SDR 19, Add	*58.56*	
		For SDR 17, Add	*144.59*	
		For SDR 15.5, Add	*211.74*	
		For SDR 13.5, Add	*330.50*	
		For SDR 11, Add	*531.96*	
33 14 13 23-0564	EA	24" 90 Degree Elbow, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,306.24	145.91
		For SDR 26, Deduct	*-159.23*	
		For SDR 19, Add	*78.18*	
		For SDR 17, Add	*193.03*	
		For SDR 15.5, Add	*282.68*	
		For SDR 13.5, Add	*441.22*	
		For SDR 11, Add	*710.17*	
33 14 13 23-0565		Tees, High-Density Polyethylene (HDPE) Pressure Piping *(33 14 13 23-0540)*		
33 14 13 23-0566	EA	3" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	69.40	17.17
		For SDR 26, Deduct	*-3.30*	
		For SDR 19, Add	*1.62*	
		For SDR 17, Add	*4.00*	
		For SDR 15.5, Add	*5.85*	
		For SDR 13.5, Add	*9.14*	
		For SDR 11, Add	*14.71*	
33 14 13 23-0567	EA	4" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	79.49	19.45
		For SDR 26, Deduct	*-3.88*	
		For SDR 19, Add	*1.91*	
		For SDR 17, Add	*4.71*	
		For SDR 15.5, Add	*6.89*	
		For SDR 13.5, Add	*10.76*	
		For SDR 11, Add	*17.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0568	EA	6" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	122.64	22.45
		For SDR 26, Deduct	*-10.15*	
		For SDR 19, Add	*4.98*	
		For SDR 17, Add	*12.30*	
		For SDR 15.5, Add	*18.01*	
		For SDR 13.5, Add	*28.12*	
		For SDR 11, Add	*45.26*	
33 14 13 23-0569	EA	8" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	219.96	26.53
		For SDR 26, Deduct	*-25.74*	
		For SDR 19, Add	*12.64*	
		For SDR 17, Add	*31.21*	
		For SDR 15.5, Add	*45.70*	
		For SDR 13.5, Add	*71.33*	
		For SDR 11, Add	*114.81*	
33 14 13 23-0570	EA	10" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	301.71	38.94
		For SDR 26, Deduct	*-33.91*	
		For SDR 19, Add	*16.65*	
		For SDR 17, Add	*41.11*	
		For SDR 15.5, Add	*60.21*	
		For SDR 13.5, Add	*93.97*	
		For SDR 11, Add	*151.25*	
33 14 13 23-0571	EA	12" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	427.68	58.41
		For SDR 26, Deduct	*-46.31*	
		For SDR 19, Add	*22.74*	
		For SDR 17, Add	*56.14*	
		For SDR 15.5, Add	*82.21*	
		For SDR 13.5, Add	*128.32*	
		For SDR 11, Add	*206.53*	
33 14 13 23-0572	EA	14" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	515.98	72.96
		For SDR 26, Deduct	*-54.48*	
		For SDR 19, Add	*26.75*	
		For SDR 17, Add	*66.04*	
		For SDR 15.5, Add	*96.72*	
		For SDR 13.5, Add	*150.96*	
		For SDR 11, Add	*242.98*	
33 14 13 23-0573	EA	16" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	681.25	109.38
		For SDR 26, Deduct	*-64.70*	
		For SDR 19, Add	*31.77*	
		For SDR 17, Add	*78.43*	
		For SDR 15.5, Add	*114.85*	
		For SDR 13.5, Add	*179.26*	
		For SDR 11, Add	*288.54*	
33 14 13 23-0574	EA	18" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	872.63	127.43
		For SDR 26, Deduct	*-89.89*	
		For SDR 19, Add	*44.14*	
		For SDR 17, Add	*108.97*	
		For SDR 15.5, Add	*159.58*	
		For SDR 13.5, Add	*249.08*	
		For SDR 11, Add	*400.91*	
33 14 13 23-0575	EA	20" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,212.64	150.51
		For SDR 26, Deduct	*-138.58*	
		For SDR 19, Add	*68.04*	
		For SDR 17, Add	*167.99*	
		For SDR 15.5, Add	*246.02*	
		For SDR 13.5, Add	*384.00*	
		For SDR 11, Add	*618.07*	
33 14 13 23-0576	EA	24" Tee, DR 21 High-Density Polyethylene (HDPE) Pressure Piping	1,568.60	182.45
		For SDR 26, Deduct	*-187.28*	
		For SDR 19, Add	*91.95*	
		For SDR 17, Add	*227.02*	
		For SDR 15.5, Add	*332.46*	
		For SDR 13.5, Add	*518.92*	
		For SDR 11, Add	*835.23*	

33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping *(33 14 13)*

See CSI section 22 11 16 00-0013 for galvanized steel pipe.

33 14 13 36 Steel Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 36-0001 Steel Piping *(33 14 13 36)*

33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0001)*

Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0051 for pipe linings.

33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0004	LF	8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	102.18	29.56
		For <100, Add	*11.83*	
		For >1,000, Deduct	*-5.11*	
33 14 13 36-0005	LF	8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	120.45	29.56
		For <100, Add	*12.74*	
		For >1,000, Deduct	*-6.02*	
33 14 13 36-0006	LF	10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	120.72	32.25
		For <100, Add	*13.37*	
		For >1,000, Deduct	*-6.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0007	LF	10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	143.82	32.25
		For <100, Add	*14.52*	
		For >1,000, Deduct	*-7.19*	
33 14 13 36-0008	LF	12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	144.60	33.79
		For <100, Add	*14.91*	
		For >1,000, Deduct	*-7.23*	
33 14 13 36-0009	LF	12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	162.57	33.79
		For <100, Add	*15.81*	
		For >1,000, Deduct	*-8.13*	
33 14 13 36-0010	LF	14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	174.14	37.34
		For <100, Add	*17.19*	
		For >1,000, Deduct	*-8.71*	
33 14 13 36-0011	LF	14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	188.50	37.34
		For <100, Add	*17.91*	
		For >1,000, Deduct	*-9.43*	
33 14 13 36-0012	LF	16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	184.76	39.42
		For <100, Add	*18.20*	
		For >1,000, Deduct	*-9.24*	
33 14 13 36-0013	LF	16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	195.85	39.42
		For <100, Add	*18.75*	
		For >1,000, Deduct	*-9.79*	
33 14 13 36-0014	LF	18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	227.64	44.34
		For <100, Add	*21.46*	
		For >1,000, Deduct	*-11.38*	
33 14 13 36-0015	LF	20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	245.81	44.34
		For <100, Add	*22.37*	
		For >1,000, Deduct	*-12.29*	

33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping *(33 14 13 36-0002)*

33 14 13 36-0017	LF	12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	196.73	57.26
		For <100, Add	*18.83*	
		For >1,000, Deduct	*-9.84*	
33 14 13 36-0018	LF	14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	232.60	62.98
		For <100, Add	*21.57*	
		For >1,000, Deduct	*-11.63*	
33 14 13 36-0019	LF	16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	257.75	65.84
		For <100, Add	*23.38*	
		For >1,000, Deduct	*-12.89*	
33 14 13 36-0020	LF	18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	290.71	74.43
		For <100, Add	*26.34*	
		For >1,000, Deduct	*-14.54*	
33 14 13 36-0021	LF	18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	303.03	74.43
		For <100, Add	*26.96*	
		For >1,000, Deduct	*-15.15*	
33 14 13 36-0022	LF	20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	314.43	74.43
		For <100, Add	*27.53*	
		For >1,000, Deduct	*-15.72*	
33 14 13 36-0023	LF	20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	327.57	74.43
		For <100, Add	*28.19*	
		For >1,000, Deduct	*-16.38*	
33 14 13 36-0024	LF	24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	379.47	85.88
		For <100, Add	*32.47*	
		For >1,000, Deduct	*-18.97*	
33 14 13 36-0025	LF	24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	420.13	85.88
		For <100, Add	*34.50*	
		For >1,000, Deduct	*-21.01*	
33 14 13 36-0026	LF	24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	519.91	85.88
		For <100, Add	*39.49*	
		For >1,000, Deduct	*-26.00*	
33 14 13 36-0027	LF	30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	470.43	100.19
		For <100, Add	*39.27*	
		For >1,000, Deduct	*-23.52*	
33 14 13 36-0028	LF	30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	487.06	100.19
		For <100, Add	*40.10*	
		For >1,000, Deduct	*-24.35*	
33 14 13 36-0029	LF	30" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	643.93	100.19
		For <100, Add	*47.94*	
		For >1,000, Deduct	*-32.20*	
33 14 13 36-0030	LF	36" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	556.67	100.19
		For <100, Add	*43.58*	
		For >1,000, Deduct	*-27.83*	
33 14 13 36-0031	LF	36" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	653.23	120.23
		For <100, Add	*51.56*	
		For >1,000, Deduct	*-32.66*	
33 14 13 36-0032	LF	36" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	774.88	120.23
		For <100, Add	*57.64*	
		For >1,000, Deduct	*-38.74*	
33 14 13 36-0033	LF	36" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	744.49	120.23
		For <100, Add	*56.12*	
		For >1,000, Deduct	*-37.22*	
33 14 13 36-0034	LF	42" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,130.62	134.54
		For <100, Add	*77.52*	
		For >1,000, Deduct	*-56.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0035	LF	42" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	696.78	134.54
		For <100, Add	*55.83*	
		For >1,000, Deduct	*-34.84*	
33 14 13 36-0036	LF	48" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,295.96	151.72
		For <100, Add	*88.42*	
		For >1,000, Deduct	*-64.80*	
33 14 13 36-0037	LF	48" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	765.20	151.72
		For <100, Add	*61.88*	
		For >1,000, Deduct	*-38.26*	
33 14 13 36-0038	LF	54" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,360.55	171.76
		For <100, Add	*95.02*	
		For >1,000, Deduct	*-68.03*	
33 14 13 36-0039	LF	54" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,499.14	171.76
		For <100, Add	*101.95*	
		For >1,000, Deduct	*-74.96*	
33 14 13 36-0040	LF	60" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,677.99	200.38
		For <100, Add	*115.39*	
		For >1,000, Deduct	*-83.90*	
33 14 13 36-0041	LF	66" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,185.22	200.38
		For <100, Add	*90.75*	
		For >1,000, Deduct	*-59.26*	
33 14 13 36-0042	LF	72" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	1,329.82	163.93
		For <100, Add	*115.67*	
		For >1,000, Deduct	*-66.49*	
33 14 13 36-0043	LF	78" Diameter, 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Pipe	2,442.66	163.93
		For <100, Add	*171.31*	
		For >1,000, Deduct	*-122.13*	

33 14 13 36-0044 Flexible Couplings (Dresser Style 38) *(33 14 13 36-0001)*

33 14 13 36-0045	EA	2" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	160.72	29.42
		For 7" Length, Add	*10.41*	
33 14 13 36-0046	EA	3" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	221.90	56.58
		For 7" Length, Add	*10.87*	
33 14 13 36-0047	EA	4" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	295.15	74.70
		For 7" Length, Add	*14.43*	
33 14 13 36-0048	EA	6" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	477.80	113.17
		For 7" Length, Add	*25.15*	
33 14 13 36-0049	EA	8" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	632.08	142.59
		For 7" Length, Add	*34.92*	
33 14 13 36-0050	EA	10" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	885.53	170.78
		For 7" Length, Add	*54.40*	
33 14 13 36-0051	EA	12" Diameter x 5" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,041.06	214.04
		For 7" Length, Add	*61.41*	
33 14 13 36-0052	EA	14" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,122.81	214.04
		For 10" Length, Add	*40.04*	
33 14 13 36-0053	EA	16" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,183.21	244.78
		For 10" Length, Add	*41.72*	
33 14 13 36-0054	EA	18" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,301.69	261.87
		For 10" Length, Add	*46.68*	
33 14 13 36-0055	EA	20" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,420.73	296.02
		For 10" Length, Add	*51.09*	
33 14 13 36-0056	EA	24" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	1,836.01	313.10
		For 10" Length, Add	*72.59*	
33 14 13 36-0057	EA	30" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,232.91	341.57
		For 10" Length, Add	*92.99*	
33 14 13 36-0058	EA	36" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	2,633.78	384.26
		For 10" Length, Add	*111.92*	
33 14 13 36-0059	EA	42" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,056.08	432.65
		For 10" Length, Add	*132.13*	
33 14 13 36-0060	EA	48" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,553.68	498.11
		For 10" Length, Add	*153.45*	
33 14 13 36-0061	EA	54" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	3,925.72	569.27
		For 10" Length, Add	*167.23*	
33 14 13 36-0062	EA	60" Diameter x 7" Length, Dresser Coupling For Plain End Welded Steel Pipe	4,467.62	711.59
		For 10" Length, Add	*182.67*	
33 14 13 36-0063	EA	66" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	5,116.74	865.29
		For 12" Length, Add	*170.45*	
33 14 13 36-0064	EA	72" Diameter x 10" Length, Dresser Coupling For Plain End Welded Steel Pipe	6,092.30	1,024.69
		For 12" Length, Add	*202.15*	

33 14 13 39 Copper Public Water Utility Distribution Piping *(33 14 13)*

33 14 13 39-0001 Type L Copper Water Distribution Piping *(33 14 13 39)*

33 14 13 39-0002	LF	1/2" Type L Copper Water Distribution Pipe	8.20	2.11
33 14 13 39-0003	LF	3/4" Type L Copper Water Distribution Pipe	10.47	2.37
33 14 13 39-0004	LF	1" Type L Copper Water Distribution Pipe	13.92	2.64
33 14 13 39-0005	LF	1-1/4" Type L Copper Water Distribution Pipe	17.48	3.16
33 14 13 39-0006	LF	1-1/2" Type L Copper Water Distribution Pipe	21.62	4.22
33 14 13 39-0007	LF	2" Type L Copper Water Distribution Pipe	31.82	5.28
33 14 13 39-0008	LF	2-1/2" Type L Copper Water Distribution Pipe	40.02	6.34
33 14 13 39-0009	LF	3" Type L Copper Water Distribution Pipe	50.47	6.97
33 14 13 39-0010	LF	3-1/2" Type L Copper Water Distribution Pipe	67.75	8.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 39-0011	LF	4" Type L Copper Water Distribution Pipe	89.61	11.08
33 14 13 39-0012	LF	5" Type L Copper Water Distribution Pipe	145.55	13.83
33 14 13 39-0013	LF	6" Type L Copper Water Distribution Pipe	188.36	16.68
33 14 13 39-0014	LF	8" Type L Copper Water Distribution Pipe	327.45	18.67
33 14 13 39-0015		Type K Copper Water Distribution Piping *(33 14 13 39)*		
33 14 13 39-0016	LF	1/2" Type K Copper Water Distribution Pipe	8.78	2.11
33 14 13 39-0017	LF	3/4" Type K Copper Water Distribution Pipe	12.49	2.37
33 14 13 39-0018	LF	1" Type K Copper Water Distribution Pipe	15.93	2.64
33 14 13 39-0019	LF	1-1/4" Type K Copper Water Distribution Pipe	18.73	3.16
33 14 13 39-0020	LF	1-1/2" Type K Copper Water Distribution Pipe	23.46	4.22
33 14 13 39-0021	LF	2" Type K Copper Water Distribution Pipe	34.29	5.28
33 14 13 39-0022	LF	2-1/2" Type K Copper Water Distribution Pipe	46.89	6.34
33 14 13 39-0023	LF	3" Type K Copper Water Distribution Pipe	60.75	6.97
33 14 13 39-0024	LF	3-1/2" Type K Copper Water Distribution Pipe	79.83	8.76
33 14 13 39-0025	LF	4" Type K Copper Water Distribution Pipe	107.95	11.08
33 14 13 39-0026	LF	5" Type K Copper Water Distribution Pipe	183.50	13.83
33 14 13 39-0027	LF	6" Type K Copper Water Distribution Pipe	256.60	16.68
33 14 13 39-0028	LF	8" Type K Copper Water Distribution Pipe	453.38	18.67
33 14 13 43		**Public Water Utility Distribution Piping Coatings and Wraps** *(33 14 13)*		
33 14 13 43-0001		Pipe Coatings *(33 14 13 43)*		
33 14 13 43-0002		Epoxy Wrap And Pipe Coating *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0003	LF	8" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	2.74	
33 14 13 43-0004	LF	10" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.26	
33 14 13 43-0005	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	3.85	
33 14 13 43-0006	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.11	
33 14 13 43-0007	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	5.83	
33 14 13 43-0008	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.13	
33 14 13 43-0009	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	6.60	
33 14 13 43-0010	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	7.70	
33 14 13 43-0011	LF	30" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	10.11	
33 14 13 43-0012	LF	36" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	15.96	
33 14 13 43-0013	LF	42" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	34.41	
33 14 13 43-0014	LF	48" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	39.33	
33 14 13 43-0015	LF	54" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	44.24	
33 14 13 43-0016	LF	60" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	49.16	
33 14 13 43-0017	LF	66" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	54.08	
33 14 13 43-0018	LF	72" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	58.97	
33 14 13 43-0019	LF	78" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating	63.91	
33 14 13 43-0020		Cement Coating With Fiberglass Or Wire Mesh Reinforcing *(33 14 13 43-0001)* Note: Applied at fabrication shop. Thickness ranging between 1" and 2".		
33 14 13 43-0021	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	9.32	
33 14 13 43-0022	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	11.47	
33 14 13 43-0023	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	14.34	
33 14 13 43-0024	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	15.97	
33 14 13 43-0025	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	18.04	
33 14 13 43-0026	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	21.11	
33 14 13 43-0027	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	23.99	
33 14 13 43-0028	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	27.06	
33 14 13 43-0029	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	30.08	
33 14 13 43-0030	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	36.08	
33 14 13 43-0031	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	45.10	
33 14 13 43-0032	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	54.12	
33 14 13 43-0033	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	63.14	
33 14 13 43-0034	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	72.16	
33 14 13 43-0035	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	81.18	
33 14 13 43-0036	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	90.20	
33 14 13 43-0037	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	99.22	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0038	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	108.24	
33 14 13 43-0039	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh Note: Reinforcing applied at fabrication shop.	117.26	
33 14 13 43-0040		Epoxy Wrap And Fitting Coating *(33 14 13 43-0001)* Note: Applied at fabrication shop.		
33 14 13 43-0041	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating	10.35	
		For 1/2" Thick, Add	*0.41*	
33 14 13 43-0042	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating	13.13	
		For 1/2" Thick, Add	*0.55*	
33 14 13 43-0043	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating	19.14	
		For 1/2" Thick, Add	*0.71*	
33 14 13 43-0044	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating	32.22	
		For 1/2" Thick, Add	*1.04*	
33 14 13 43-0045	EA	12" Outside Diameter, Epoxy Wrap And Fitting Coating	49.24	
		For 1/2" Thick, Add	*1.54*	
33 14 13 43-0046	EA	14" Outside Diameter, Epoxy Wrap And Fitting Coating	77.18	
		For 1/2" Thick, Add	*2.35*	
33 14 13 43-0047	EA	16" Outside Diameter, Epoxy Wrap And Fitting Coating	119.00	
		For 1/2" Thick, Add	*3.03*	
33 14 13 43-0048	EA	18" Outside Diameter, Epoxy Wrap And Fitting Coating	161.70	
		For 1/2" Thick, Add	*3.13*	
33 14 13 43-0049	EA	20" Outside Diameter, Epoxy Wrap And Fitting Coating	220.95	
		For 1/2" Thick, Add	*3.74*	
33 14 13 43-0050	EA	24" Outside Diameter, Epoxy Wrap And Fitting Coating	321.54	
		For 1/2" Thick, Add	*5.23*	
33 14 13 43-0051		Cement Pipe Lining *(33 14 13 43)*		
33 14 13 43-0052		Cement Pipe Lining *(33 14 13 43-0051)* Note: Shop applied.		
33 14 13 43-0053	LF	4" Outside Diameter, 1/4" Thick Cement Pipe Lining	14.51	
		For 1/2" Thick, Add	*1.24*	
33 14 13 43-0054	LF	6" Outside Diameter, 1/4" Thick Cement Pipe Lining	18.04	
		For 1/2" Thick, Add	*1.53*	
33 14 13 43-0055	LF	8" Outside Diameter, 1/4" Thick Cement Pipe Lining	22.02	
		For 1/2" Thick, Add	*1.91*	
33 14 13 43-0056	LF	10" Outside Diameter, 1/4" Thick Cement Pipe Lining	28.56	
		For 1/2" Thick, Add	*2.39*	
33 14 13 43-0057	LF	12" Outside Diameter, 1/4" Thick Cement Pipe Lining	35.13	
		For 1/2" Thick, Add	*2.87*	
33 14 13 43-0058	LF	14" Outside Diameter, 1/4" Thick Cement Pipe Lining	44.86	
		For 1/2" Thick, Add	*3.36*	
33 14 13 43-0059	LF	16" Outside Diameter, 1/4" Thick Cement Pipe Lining	58.05	
		For 1/2" Thick, Add	*3.82*	
33 14 13 43-0060	LF	18" Outside Diameter, 5/16" Thick Cement Pipe Lining	69.33	
		For 1/2" Thick, Add	*3.67*	
33 14 13 43-0061	LF	20" Outside Diameter, 5/16" Thick Cement Pipe Lining	83.67	
		For 1/2" Thick, Add	*4.07*	
33 14 13 43-0062	LF	24" Outside Diameter, 5/16" Thick Cement Pipe Lining	101.43	
		For 1/2" Thick, Add	*4.89*	
33 14 13 43-0063	LF	30" Outside Diameter, 5/16" Thick Cement Pipe Lining	122.11	
		For 1/2" Thick, Add	*6.11*	
33 14 13 43-0064	LF	36" Outside Diameter, 5/16" Thick Cement Pipe Lining	146.95	
		For 1/2" Thick, Add	*7.33*	
33 14 13 43-0065	LF	42" Outside Diameter, 3/8" Thick Cement Pipe Lining	171.48	
		For 1/2" Thick, Add	*6.29*	
33 14 13 43-0066	LF	48" Outside Diameter, 3/8" Thick Cement Pipe Lining	195.91	
		For 1/2" Thick, Add	*7.19*	
33 14 13 43-0067	LF	54" Outside Diameter, 3/8" Thick Cement Pipe Lining	220.43	
		For 1/2" Thick, Add	*8.09*	
33 14 13 43-0068	LF	60" Outside Diameter, 3/8" Thick Cement Pipe Lining	244.96	
		For 1/2" Thick, Add	*8.98*	
33 14 13 43-0069	LF	66" Outside Diameter, 7/16" Thick Cement Pipe Lining	269.39	
		For 1/2" Thick, Add	*5.27*	
33 14 13 43-0070	LF	72" Outside Diameter, 7/16" Thick Cement Pipe Lining	293.92	
		For 1/2" Thick, Add	*5.75*	
33 14 13 43-0071	LF	78" Outside Diameter, 7/16" Thick Cement Pipe Lining	318.43	
		For 1/2" Thick, Add	*6.23*	
33 14 13 43-0072		Cement Fitting Lining *(33 14 13 43-0051)* Note: Shop applied.		
33 14 13 43-0073	EA	4" Outside Diameter, 1/4" Thick Cement Fitting Lining	15.47	
		For 1/2" Thick, Add	*1.43*	
33 14 13 43-0074	EA	6" Outside Diameter, 1/4" Thick Cement Fitting Lining	19.95	
		For 1/2" Thick, Add	*1.91*	
33 14 13 43-0075	EA	8" Outside Diameter, 1/4" Thick Cement Fitting Lining	28.01	
		For 1/2" Thick, Add	*2.49*	
33 14 13 43-0076	EA	10" Outside Diameter, 1/4" Thick Cement Fitting Lining	46.12	
		For 1/2" Thick, Add	*3.82*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 43-0077	EA	12" Outside Diameter, 1/4" Thick Cement Fitting Lining	70.29	
		For 1/2" Thick, Add	*5.75*	
33 14 13 43-0078	EA	14" Outside Diameter, 1/4" Thick Cement Fitting Lining	104.11	
		For 1/2" Thick, Add	*7.74*	
33 14 13 43-0079	EA	16" Outside Diameter, 1/4" Thick Cement Fitting Lining	153.52	
		For 1/2" Thick, Add	*9.94*	
33 14 13 43-0080	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining	207.98	
		For 1/2" Thick, Add	*11.00*	
33 14 13 43-0081	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining	278.75	
		For 1/2" Thick, Add	*13.56*	
33 14 13 43-0082	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining	405.73	
		For 1/2" Thick, Add	*19.55*	

33 14 13 43-0083 8 Mil Polyethylene Encasement Tubing *(33 14 13 43)*

Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0084	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.06	
33 14 13 43-0085	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	1.76	
33 14 13 43-0086	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	2.20	
33 14 13 43-0087	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	2.80	
33 14 13 43-0088	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	3.86	
33 14 13 43-0089	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	4.98	
33 14 13 43-0090	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	6.35	
33 14 13 43-0091	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	7.56	
33 14 13 43-0092	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	9.00	
33 14 13 43-0093	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	9.99	

33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters *(33 14 13)*

33 14 13 53-0001 Double Stud Stainless Steel Service Saddles *(33 14 13 53)*

Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	269.84	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	375.48	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	388.25	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	321.76	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	403.06	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	336.46	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	422.23	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	378.10	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	444.83	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	394.51	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	456.18	

33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles *(33 14 13 53)*

Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	228.38	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	228.53	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	243.16	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	232.14	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	248.32	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	274.09	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	291.44	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	266.99	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	292.97	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	307.92	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	281.76	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	308.54	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	323.42	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	297.01	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	323.04	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	337.74	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	486.66	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	499.43	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	321.12	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	352.39	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	366.09	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	574.32	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	358.27	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	395.60	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	639.68	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	388.99	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	428.41	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	443.91	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	712.20	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	451.54	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	482.63	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	518.90	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	870.75	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	464.32	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	526.52	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	548.40	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	934.93	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	485.09	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	549.54	
33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	571.96	
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	972.79	
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	535.39	
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	617.13	
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	607.71	
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	671.91	
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	634.51	
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	714.81	

33 14 13 53-0061 Double Bale Bronze Service Saddles *(33 14 13 53)*

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	312.54	
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	341.17	
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	355.03	
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	383.92	
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	394.53	
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	414.63	
33 14 13 53-0068	EA	10" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	383.90	
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	408.01	
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	482.67	
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	521.21	
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	716.54	
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	807.58	
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	831.67	
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B)	926.51	

33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle *(33 14 13 53)*

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	327.61	
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	360.19	
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	372.83	
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	404.25	
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	416.53	
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	437.81	
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	467.77	
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	500.16	
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	502.83	
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	543.97	
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	766.50	
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	878.23	
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	890.95	
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	969.53	
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,939.81	
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	1,939.81	
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,013.26	
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,013.26	
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,161.05	
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S)	2,161.05	

33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,441.25	
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	1,741.30	
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,079.86	
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	2,198.96	
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,316.76	
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,482.67	
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,554.91	
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,508.43	
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	3,673.69	
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,073.68	
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	4,176.60	
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	6,938.35	
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,124.84	
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,209.72	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,247.29	
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,512.86	
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,503.97	
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,529.53	
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,737.72	
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,788.24	
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	7,843.66	
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,973.81	
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	8,228.21	
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,418.80	
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,886.51	
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,023.40	
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,431.74	
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,774.34	
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,422.34	
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,601.90	
33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	9,673.16	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,020.67	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,505.38	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,772.42	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,800.60	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	11,965.03	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,012.97	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,582.15	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,797.23	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	16,848.34	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,309.32	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,530.28	

33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,187.31	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,264.50	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,380.87	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,423.74	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,482.57	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,698.50	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,555.65	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,612.98	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,802.97	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,474.23	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,751.44	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,834.76	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,021.76	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,623.27	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,857.31	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,294.09	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,363.30	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,762.70	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,257.50	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,579.82	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,721.16	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,792.55	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,057.50	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,764.50	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,932.83	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,891.40	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,019.42	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,196.65	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,028.30	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,196.44	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,484.33	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,555.58	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,951.29	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,619.32	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,903.71	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,763.64	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,917.85	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,125.51	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,072.98	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,248.23	

33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve *(33 14 13 53)*

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,368.36	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,493.17	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,580.13	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,615.02	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,714.93	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,010.22	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,851.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,962.40	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,227.22	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,991.85	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,114.98	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,265.18	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,614.52	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,069.16	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,417.12	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,413.87	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,597.76	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,990.90	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,445.99	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,687.44	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,938.74	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,189.53	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,381.02	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,870.22	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,202.60	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,242.59	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,616.63	
33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,816.41	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,246.48	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,814.96	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,505.07	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,878.16	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,040.77	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,839.71	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,285.12	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,146.65	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,201.12	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,395.81	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,349.14	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,858.73	

33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	341.26	65.98
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	427.65	83.20
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	563.18	114.76
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	727.65	134.85
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,133.19	152.05
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,266.30	172.14

33 14 13 53-0229 Steel Body, Flanged Coupling Adapter *(33 14 13 53)*

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	493.12	65.98
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	583.91	83.20
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	780.24	114.76
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	953.56	134.85
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,162.17	152.05
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,353.45	172.14
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,605.58	189.35
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,898.74	206.57
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,239.68	227.23
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,643.70	249.95

33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters *(33 14 13 53)*

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	437.81	83.20
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	588.25	114.76
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	652.63	134.85
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	945.63	152.05
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,200.91	172.14
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,346.35	189.35
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,580.02	206.57
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,772.40	227.23
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,126.30	249.95
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,557.14	274.96
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,282.10	302.39
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,116.42	332.69

33 14 13 53-0253 Ductile Iron Body, Omni Coupling System *(33 14 13 53)*

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	156.90	45.91
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	193.19	54.51
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	238.93	65.98
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	300.09	83.20
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	400.99	114.76
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	486.43	134.85
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	605.05	152.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	706.64	172.14
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	984.90	189.35
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,223.81	206.57

33 14 19 Valves and Hydrants for Water Utility Service *(33 14)*

Note: Flanged valves excludes bolt and gasket set. Excludes excavation and backfill. See CSI section 23 21 13 23-0713 for bolt and gasket sets.

33 14 19 00-0001 Accessories For Valves *(33 14 19)*

33 14 19 00-0002	EA	1' Valve Extension Stem	112.07	
		For Each Additional LF, Add	*8.88*	
33 14 19 00-0003	EA	Up to 80" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,702.35	113.17
33 14 19 00-0004	EA	>80" To 114" Long Indicator Post Telescoping Barrel Assembly Note: Excludes valve.	1,931.09	124.49
33 14 19 00-0005	EA	Adjust Water Valve Box To Grade	113.17	

33 14 19 00-0006 Water Utility Distribution Valves *(33 14 19)*

33 14 19 00-0007 Angle Valves *(33 14 19 00-0006)*

Note: For connecting meters to water service.

33 14 19 00-0008 Threaded, Class 150, Bronze Angle Valve *(33 14 19 00-0007)*

Note: NIBCO T-335Y

33 14 19 00-0009	EA	1/2" Diameter Threaded, Class 150, Bronze Angle Valve	106.38	19.67
33 14 19 00-0010	EA	3/4" Diameter Threaded, Class 150, Bronze Angle Valve	143.47	26.42
33 14 19 00-0011	EA	1" Diameter Threaded, Class 150, Bronze Angle Valve	192.86	32.57
33 14 19 00-0012	EA	1-1/4" Diameter Threaded, Class 150, Bronze Angle Valve	248.24	40.92
33 14 19 00-0013	EA	1-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	309.56	47.31
33 14 19 00-0014	EA	2" Diameter Threaded, Class 150, Bronze Angle Valve	460.22	55.31
33 14 19 00-0015	EA	2-1/2" Diameter Threaded, Class 150, Bronze Angle Valve	735.59	75.48
33 14 19 00-0016	EA	3" Diameter Threaded, Class 150, Bronze Angle Valve	1,113.64	87.14

33 14 19 00-0017 Butterfly Valves *(33 14 19 00-0006)*

33 14 19 00-0018 Lug Type Flanged, Cast Iron Disc, Butterfly Valves *(33 14 19 00-0017)*

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0019	EA	3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,138.43	208.93
33 14 19 00-0020	EA	3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,392.68	208.93
33 14 19 00-0021	EA	4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,406.30	323.33
33 14 19 00-0022	EA	4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	2,658.38	323.33
33 14 19 00-0023	EA	6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	2,766.49	386.42
33 14 19 00-0024	EA	6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,018.57	386.42
33 14 19 00-0025	EA	8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,125.44	493.76
33 14 19 00-0026	EA	8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	3,376.07	493.76
33 14 19 00-0027	EA	10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	3,919.71	601.09
33 14 19 00-0028	EA	10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8)	3,919.71	601.09
33 14 19 00-0029	EA	12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified)	4,486.18	728.58
33 14 19 00-0030	EA	12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified)	4,738.25	728.58
33 14 19 00-0031	EA	14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified)	6,026.84	1,037.42
33 14 19 00-0032	EA	14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified)	6,686.01	1,037.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0033	EA	16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified)	7,021.40	1,141.16
33 14 19 00-0034	EA	16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified)	7,829.78	1,141.16
33 14 19 00-0035	EA	18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	8,805.37	1,265.65
33 14 19 00-0036	EA	18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,1BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	9,661.56	1,265.65
33 14 19 00-0037	EA	20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified)	10,091.47	1,426.45
33 14 19 00-0038	EA	20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified)	10,946.21	1,426.45
33 14 19 00-0039		**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves** *(33 14 19 00-0017)* Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin		
33 14 19 00-0040	EA	24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified)	16,873.79	1,750.64
33 14 19 00-0041	EA	24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified)	27,163.31	1,750.64
33 14 19 00-0042	EA	24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified)	16,822.94	1,750.64
33 14 19 00-0043	EA	30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	27,634.01	2,767.94
33 14 19 00-0044	EA	36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified)	54,647.37	3,690.59
33 14 19 00-0045	EA	42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified)	64,613.12	5,535.88
33 14 19 00-0046	EA	48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified)	81,968.73	6,919.84
33 14 19 00-0047	EA	54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified)	114,530.74	8,303.81
33 14 19 00-0048	EA	60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified)	143,516.51	9,964.58
33 14 19 00-0049	EA	72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR8L-HD36 Modified)	205,939.46	11,957.49
33 14 19 00-0050	LF	3/16" Link, 316 Stainless Steel Chain For Use With DeZurik Chainwheel	19.00	
33 14 19 00-0051	EA	316 Stainless Steel Closing Link For Use With DeZurik Chainwheel Note: One required per valve.	10.00	
33 14 19 00-0052		**Check Valves** *(33 14 19 00-0006)*		
33 14 19 00-0053		**Flanged, Swing Type Gravity Operated Check Valves** *(33 14 19 00-0052)* Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.		
33 14 19 00-0054	EA	2-1/2" Flanged, Swing Type Gravity Operated Check Valve	1,808.46	164.09
33 14 19 00-0055	EA	3" Flanged, Swing Type Gravity Operated Check Valve	1,843.48	192.39
33 14 19 00-0056	EA	4" Flanged, Swing Type Gravity Operated Check Valve	2,461.93	243.31
33 14 19 00-0057	EA	4" x 6" Flanged, Swing Type Gravity Operated Check Valve	3,553.02	366.10
33 14 19 00-0058	EA	4" x 8" Flanged, Swing Type Gravity Operated Check Valve	3,669.53	408.87
33 14 19 00-0059	EA	6" Flanged, Swing Type Gravity Operated Check Valve	3,484.59	407.41
33 14 19 00-0060	EA	6" x 8" Flanged, Swing Type Gravity Operated Check Valve	4,605.86	463.10
33 14 19 00-0061	EA	6" x 10" Flanged, Swing Type Gravity Operated Check Valve	4,781.93	520.57
33 14 19 00-0062	EA	8" Flanged, Swing Type Gravity Operated Check Valve	4,998.98	520.57
33 14 19 00-0063	EA	10" Flanged, Swing Type Gravity Operated Check Valve	8,601.46	633.74
33 14 19 00-0064	EA	12" Flanged, Swing Type Gravity Operated Check Valve	13,174.91	475.31
33 14 19 00-0065	EA	14" Flanged, Swing Type Gravity Operated Check Valve	18,586.78	1,037.42
33 14 19 00-0066	EA	16" Flanged, Swing Type Gravity Operated Check Valve	24,859.97	1,141.16
33 14 19 00-0067	EA	18" Flanged, Swing Type Gravity Operated Check Valve	36,289.71	1,265.65
33 14 19 00-0068	EA	20" Flanged, Swing Type Gravity Operated Check Valve	42,277.92	1,426.45
33 14 19 00-0069		**Combination Air Release Valves** *(33 14 19 00-0006)*		
33 14 19 00-0070	EA	1" Combination Air Release Valve	630.08	23.76
33 14 19 00-0071	EA	2" Combination Air Release Valve	1,016.99	40.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0072		**Corporation Stop And Curb Valve** *(33 14 19 00-0006)* Note: AWWA C800		
33 14 19 00-0073		**Ball Corporation Valves** *(33 14 19 00-0072)* Note: Mueller B-25000.		
33 14 19 00-0074	EA	3/4" Ball Corporation Valve (Mueller B-25000)	84.23	23.76
33 14 19 00-0075	EA	1" Ball Corporation Valve (Mueller B-25000)	105.63	29.42
33 14 19 00-0076	EA	1-1/2" Ball Corporation Valve (Mueller B-25000)	185.93	43.01
33 14 19 00-0077	EA	2" Ball Corporation Valve (Mueller B-25000)	275.54	50.92
33 14 19 00-0078		**Gate Valve, AWWA C500 And C509** *(33 14 19 00-0006)*		
33 14 19 00-0079		**Gate Valve, Flanged** *(33 14 19 00-0078)* Note: Mueller A-2380-6.		
33 14 19 00-0080	EA	2" Gate Valve, Flanged	1,092.84	150.85
33 14 19 00-0081	EA	2-1/2" Gate Valve, Flanged	1,285.46	164.09
33 14 19 00-0082	EA	3" Gate Valve, Flanged	1,522.09	192.39
33 14 19 00-0083	EA	4" Gate Valve, Flanged	1,913.92	241.05
33 14 19 00-0084	EA	6" Gate Valve, Flanged	2,425.14	407.41
33 14 19 00-0085	EA	8" Gate Valve, Flanged	3,637.73	520.57
33 14 19 00-0086	EA	10" Gate Valve, Flanged	5,545.30	633.74
33 14 19 00-0087	EA	12" Gate Valve, Flanged	6,689.33	475.31
33 14 19 00-0088	EA	14" Gate Valve, Flanged	15,002.30	1,037.42
33 14 19 00-0089	EA	16" Gate Valve, Flanged	19,741.07	1,141.16
33 14 19 00-0090	EA	18" Gate Valve, Flanged	31,559.91	1,265.65
33 14 19 00-0091	EA	20" Gate Valve, Flanged	37,787.07	1,426.45
33 14 19 00-0092		**Resilient Wedge Gate Valve, Flanged** *(33 14 19 00-0078)* Note: Mueller A-2360-6.		
33 14 19 00-0093	EA	2" Resilient Wedge Gate Valve, Flanged	1,041.69	150.85
33 14 19 00-0094	EA	2-1/2" Resilient Wedge Gate Valve, Flanged	1,224.34	164.09
33 14 19 00-0095	EA	3" Resilient Wedge Gate Valve, Flanged	1,449.57	192.39
33 14 19 00-0096	EA	4" Resilient Wedge Gate Valve, Flanged	1,832.85	241.05
33 14 19 00-0097	EA	6" Resilient Wedge Gate Valve, Flanged	2,316.77	407.41
33 14 19 00-0098	EA	8" Resilient Wedge Gate Valve, Flanged	3,468.45	520.57
33 14 19 00-0099	EA	10" Resilient Wedge Gate Valve, Flanged	5,276.28	633.74
33 14 19 00-0100	EA	12" Resilient Wedge Gate Valve, Flanged	6,364.52	475.31
33 14 19 00-0101		**Gate Valve, Mechanical Joint** *(33 14 19 00-0078)* Note: Mueller A-2380-20.		
33 14 19 00-0102	EA	2" Gate Valve, Mechanical Joint	1,272.68	120.52
33 14 19 00-0103	EA	2-1/2" Gate Valve, Mechanical Joint	1,361.05	151.08
33 14 19 00-0104	EA	3" Gate Valve, Mechanical Joint	1,716.24	182.77
33 14 19 00-0105	EA	4" Gate Valve, Mechanical Joint	2,027.10	241.05
33 14 19 00-0106	EA	6" Gate Valve, Mechanical Joint	2,565.78	282.92
33 14 19 00-0107	EA	8" Gate Valve, Mechanical Joint	3,790.36	339.50
33 14 19 00-0108	EA	10" Gate Valve, Mechanical Joint	5,627.38	396.09
33 14 19 00-0109	EA	12" Gate Valve, Mechanical Joint	7,062.12	475.31
33 14 19 00-0110	EA	14" Gate Valve, Mechanical Joint	15,993.10	635.42
33 14 19 00-0111	EA	16" Gate Valve, Mechanical Joint	20,782.66	713.23
33 14 19 00-0112	EA	18" Gate Valve, Mechanical Joint	33,422.67	791.04
33 14 19 00-0113	EA	20" Gate Valve, Mechanical Joint	39,800.09	891.53
33 14 19 00-0114		**Resilient Wedge Gate Valve, Mechanical Joint** *(33 14 19 00-0078)* Note: Mueller A-2360-20.		
33 14 19 00-0115	EA	2" Resilient Wedge Gate Valve, Mechanical Joint	1,214.27	120.52
33 14 19 00-0116	EA	3" Resilient Wedge Gate Valve, Mechanical Joint	1,639.78	182.77
33 14 19 00-0117	EA	4" Resilient Wedge Gate Valve, Mechanical Joint	1,939.64	241.05
33 14 19 00-0118	EA	6" Resilient Wedge Gate Valve, Mechanical Joint	2,452.59	282.92
33 14 19 00-0119	EA	8" Resilient Wedge Gate Valve, Mechanical Joint	3,614.27	339.50
33 14 19 00-0120	EA	10" Resilient Wedge Gate Valve, Mechanical Joint	5,353.71	396.09
33 14 19 00-0121	EA	12" Resilient Wedge Gate Valve, Mechanical Joint	6,716.13	475.31
33 14 19 00-0122		**Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint** *(33 14 19 00-0078)* Note: Mueller A-2361.		
33 14 19 00-0123	EA	14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	10,612.15	1,037.42
33 14 19 00-0124	EA	16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	11,533.02	1,141.16
33 14 19 00-0125	EA	18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	18,122.03	1,265.65
33 14 19 00-0126	EA	20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	21,652.51	1,426.45
33 14 19 00-0127	EA	24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint	30,828.95	1,750.64
33 14 19 00-0128		**Gate Valve, Threaded, WW-V-51 Class A, Type 1** *(33 14 19 00-0078)* Note: NIBCO T-113.		
33 14 19 00-0129	EA	1/4" Diameter Threaded, Bronze, Gate Valve	62.70	19.79
33 14 19 00-0130	EA	3/8" Diameter Threaded, Bronze, Gate Valve	64.58	19.79
33 14 19 00-0131	EA	1/2" Diameter Threaded, Bronze, Gate Valve	64.01	19.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0132	EA	3/4" Diameter Threaded, Bronze, Gate Valve	82.46	26.73
33 14 19 00-0133	EA	1" Diameter Threaded, Bronze, Gate Valve	101.66	32.32
33 14 19 00-0134	EA	1-1/4" Diameter Threaded, Bronze, Gate Valve	138.08	40.92
33 14 19 00-0135	EA	1-1/2" Diameter Threaded, Bronze, Gate Valve	160.21	47.31
33 14 19 00-0136	EA	2" Diameter Threaded, Bronze, Gate Valve	194.35	55.31
33 14 19 00-0137	EA	2-1/2" Diameter Threaded, Bronze, Gate Valve	373.33	75.48
33 14 19 00-0138	EA	3" Diameter Threaded, Bronze, Gate Valve	447.38	86.58
33 14 19 00-0139		Globe Valve, AWWA *(33 14 19 00-0006)*		
33 14 19 00-0140		Globe Valve, Threaded, WW-V-51 Class B, Type 1 *(33 14 19 00-0139)*		
		Note: NIBCO T-235.		
33 14 19 00-0141	EA	1/8" Diameter Threaded, Globe Valve	88.51	19.79
33 14 19 00-0142	EA	1/4" Diameter Threaded, Globe Valve	84.72	19.79
33 14 19 00-0143	EA	3/8" Diameter Threaded, Globe Valve	86.60	19.79
33 14 19 00-0144	EA	1/2" Diameter Threaded, Globe Valve	88.51	19.79
33 14 19 00-0145	EA	3/4" Diameter Threaded, Globe Valve	120.19	26.73
33 14 19 00-0146	EA	1" Diameter Threaded, Globe Valve	168.45	32.32
33 14 19 00-0147	EA	1-1/4" Diameter Threaded, Globe Valve	246.03	40.92
33 14 19 00-0148	EA	1-1/2" Diameter Threaded, Globe Valve	293.65	47.31
33 14 19 00-0149	EA	2" Diameter Threaded, Globe Valve	409.31	55.31
33 14 19 00-0150	EA	2-1/2" Diameter Threaded, Globe Valve	750.38	75.48
33 14 19 00-0151	EA	3" Diameter Threaded, Globe Valve	1,026.73	87.03
33 14 19 00-0152		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0006)*		
33 14 19 00-0153		Tapping Valve, AWWA C500 And C509 *(33 14 19 00-0152)*		
		Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0154	EA	2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	1,580.34	150.85
33 14 19 00-0155	EA	3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,037.21	192.39
33 14 19 00-0156	EA	4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	2,411.50	241.05
33 14 19 00-0157	EA	6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	3,185.50	407.41
33 14 19 00-0158	EA	8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	4,612.90	520.57
33 14 19 00-0159	EA	10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	6,730.36	633.74
33 14 19 00-0160	EA	12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	10,026.23	475.31
33 14 19 00-0161	EA	14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	18,434.62	1,037.42
33 14 19 00-0162	EA	16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	23,375.61	1,141.16
33 14 19 00-0163	EA	18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint	38,004.57	1,265.65
33 14 19 00-0164		Fire Hydrants *(33 14 19)*		
		Note: Breakaway type.		
33 14 19 00-0165		Three Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0164)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0166	EA	1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,737.63	300.54
33 14 19 00-0167	EA	2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,807.30	300.54
33 14 19 00-0168	EA	2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,877.16	300.54
33 14 19 00-0169	EA	3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,968.15	322.01
33 14 19 00-0170	EA	3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,037.89	322.01
33 14 19 00-0171	EA	4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,134.54	348.85
33 14 19 00-0172	EA	4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,204.18	348.85
33 14 19 00-0173	EA	5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,300.84	375.68
33 14 19 00-0174	EA	5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,370.58	375.68
33 14 19 00-0175	EA	6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,467.04	402.51
33 14 19 00-0176	EA	6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,563.60	429.35
33 14 19 00-0177	EA	7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,686.88	483.02
33 14 19 00-0178	EA	1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,801.21	300.54
33 14 19 00-0179	EA	2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,891.63	300.54
33 14 19 00-0180	EA	2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	3,981.83	300.54
33 14 19 00-0181	EA	3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,093.50	322.01
33 14 19 00-0182	EA	3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,183.70	322.01
33 14 19 00-0183	EA	4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,301.07	348.85
33 14 19 00-0184	EA	4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,391.16	348.85
33 14 19 00-0185	EA	5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,508.28	375.68
33 14 19 00-0186	EA	5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,598.45	375.68
33 14 19 00-0187	EA	6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,715.32	402.51
33 14 19 00-0188	EA	6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,832.59	429.35
33 14 19 00-0189	EA	7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant	4,976.30	483.02
33 14 19 00-0190		Two Way, Standard (Traditional) Model Fire Hydrant *(33 14 19 00-0164)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0191	EA	1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,355.17	300.54
33 14 19 00-0192	EA	2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,424.60	300.54
33 14 19 00-0193	EA	2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,494.43	300.54
33 14 19 00-0194	EA	3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,585.71	322.01
33 14 19 00-0195	EA	3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,655.23	322.01
33 14 19 00-0196	EA	4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,751.73	348.85
33 14 19 00-0197	EA	4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,821.47	348.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0198	EA	5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,918.20	375.68
33 14 19 00-0199	EA	5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,987.79	375.68
33 14 19 00-0200	EA	6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,084.63	402.51
33 14 19 00-0201	EA	6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,180.74	429.35
33 14 19 00-0202	EA	7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,304.18	483.02
33 14 19 00-0203	EA	1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,453.39	300.54
33 14 19 00-0204	EA	2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,543.61	300.54
33 14 19 00-0205	EA	2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,633.70	300.54
33 14 19 00-0206	EA	3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,745.59	322.01
33 14 19 00-0207	EA	3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,835.56	322.01
33 14 19 00-0208	EA	4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	3,952.78	348.85
33 14 19 00-0209	EA	4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,042.80	348.85
33 14 19 00-0210	EA	5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,160.21	375.68
33 14 19 00-0211	EA	5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,250.18	375.68
33 14 19 00-0212	EA	6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,367.37	402.51
33 14 19 00-0213	EA	6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,484.18	429.35
33 14 19 00-0214	EA	7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant	4,628.39	483.02
33 14 19 00-0215		**Three Way, Modern Model Fire Hydrant** *(33 14 19 00-0164)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0216	EA	1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	3,900.24	300.54
33 14 19 00-0217	EA	2' Burial Section, Three Way, Modern Type Fire Hydrant	3,990.32	300.54
33 14 19 00-0218	EA	2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,080.68	300.54
33 14 19 00-0219	EA	3' Burial Section, Three Way, Modern Type Fire Hydrant	4,192.39	322.01
33 14 19 00-0220	EA	3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,282.54	322.01
33 14 19 00-0221	EA	4' Burial Section, Three Way, Modern Type Fire Hydrant	4,399.58	348.85
33 14 19 00-0222	EA	4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,489.85	348.85
33 14 19 00-0223	EA	5' Burial Section, Three Way, Modern Type Fire Hydrant	4,606.90	375.68
33 14 19 00-0224	EA	5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,697.08	375.68
33 14 19 00-0225	EA	6' Burial Section, Three Way, Modern Type Fire Hydrant	4,814.10	375.68
33 14 19 00-0226	EA	6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant	4,931.41	429.35
33 14 19 00-0227	EA	7' Burial Section, Three Way, Modern Type Fire Hydrant	5,074.18	429.35
33 14 19 00-0228		**Two Way, Modern Model Fire Hydrant** *(33 14 19 00-0164)*		
		Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0229	EA	1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,770.65	300.54
33 14 19 00-0230	EA	2' Burial Section, Two Way, Modern Type Fire Hydrant	2,839.20	300.54
33 14 19 00-0231	EA	2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,908.52	300.54
33 14 19 00-0232	EA	3' Burial Section, Two Way, Modern Type Fire Hydrant	2,997.74	322.01
33 14 19 00-0233	EA	3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,066.28	322.01
33 14 19 00-0234	EA	4' Burial Section, Two Way, Modern Type Fire Hydrant	3,161.65	348.85
33 14 19 00-0235	EA	4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,230.16	348.85
33 14 19 00-0236	EA	5' Burial Section, Two Way, Modern Type Fire Hydrant	3,325.61	375.68
33 14 19 00-0237	EA	5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,393.95	375.68
33 14 19 00-0238	EA	6' Burial Section, Two Way, Modern Type Fire Hydrant	3,489.33	402.51
33 14 19 00-0239	EA	6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,584.80	429.35
33 14 19 00-0240	EA	7' Burial Section, Two Way, Modern Type Fire Hydrant	3,706.15	483.02
33 14 19 00-0241		**Safetop Model With Breakable Section** *(33 14 19 00-0164)*		
		Note: Prices listed are for mechanical joint. Includes shoe, lower barrel and upper barrel (hydrant).		
33 14 19 00-0242	EA	4" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,784.50	214.67
33 14 19 00-0243	EA	6" Safetop Model Fire Hydrant Breakable With 5' Burial Section	2,977.69	241.51
33 14 19 00-0244	EA	8" Safetop Model Fire Hydrant Breakable With 5' Burial Section	3,246.49	268.34
33 14 19 00-0245		**Fire Hydrant Extension Kits** *(33 14 19 00-0164)*		
33 14 19 00-0246	EA	6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	575.83	26.83
33 14 19 00-0247	EA	12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	683.90	33.54
33 14 19 00-0248	EA	18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	745.33	40.26
33 14 19 00-0249	EA	24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	846.52	49.65
33 14 19 00-0250	EA	30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,282.22	51.66
33 14 19 00-0251	EA	36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,369.73	53.67
33 14 19 00-0252	EA	42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,390.25	56.35
33 14 19 00-0253	EA	48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,468.26	60.37
33 14 19 00-0254	EA	54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,617.72	72.46
33 14 19 00-0255	EA	60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,705.35	87.21
33 14 19 00-0256	EA	6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	640.62	30.06
33 14 19 00-0257	EA	12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	758.26	36.50
33 14 19 00-0258	EA	18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	869.80	44.00
33 14 19 00-0259	EA	24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	971.47	54.74
33 14 19 00-0260	EA	30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,333.23	56.89
33 14 19 00-0261	EA	36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,421.85	59.03
33 14 19 00-0262	EA	42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,482.61	62.26
33 14 19 00-0263	EA	48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,735.15	66.55
33 14 19 00-0264	EA	54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,900.50	79.43
33 14 19 00-0265	EA	60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,994.87	95.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0266		**Removal And Reinstallation Of Standard Fire Hydrant** *(33 14 19 00-0164)* Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.		
33 14 19 00-0267	EA	Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	858.70	
33 14 19 00-0268	EA	>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,252.27	
33 14 19 00-0269	EA	Reset Fire Hydrant Upper Barrel Note: Includes Safety Repair Kit	1,390.04	
33 14 19 00-0270		**Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0271	EA	2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	385.50	36.87
33 14 19 00-0272	EA	4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	414.34	36.87
33 14 19 00-0273	EA	6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	443.17	36.87
33 14 19 00-0274	EA	2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	355.31	46.70
33 14 19 00-0275	EA	4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	372.51	46.70
33 14 19 00-0276	EA	6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	389.70	46.70
33 14 19 00-0277		**Sanitary Yard Hydrants** *(33 14 19)* Note: With 3/4" hose thread outlet.		
33 14 19 00-0278	EA	2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,748.57	76.82
33 14 19 00-0279	EA	4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,838.68	76.82
33 14 19 00-0280	EA	6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,928.79	76.82
33 14 19 00-0281		**Flushing Hydrants** *(33 14 19)*		
33 14 19 00-0282	EA	2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	892.48	47.28
33 14 23		**Enclosures for Water Utility Piping and Valves** *(33 14)* Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0464 for Enclosures.		
33 14 23 00-0001		**Roadway Utility Box** *(33 14 23)*		
33 14 23 00-0002		**Utility Box** *(33 14 23 00-0001)* Note: Christy Concrete Products.		
33 14 23 00-0003		**B3 Utility Box, 9-3/8" x 15-1/2"** *(33 14 23 00-0002)*		
33 14 23 00-0004	EA	9-3/8" x 15-1/2" Precast Concrete Utility Box	127.81	55.99
33 14 23 00-0005	EA	Cast Iron Lid For 9-3/8" x 15-1/2" Utility Box	131.48	6.23
33 14 23 00-0006	EA	Reinforced Concrete Lid For 9-3/8" x 15-1/2" Utility Box	54.31	6.23
33 14 23 00-0007	EA	Steel Checkered Plate Cover For 9-3/8" x 15-1/2" Utility Box	288.37	6.23
33 14 23 00-0008	EA	12-1/8" x 18-5/8" Reinforced Concrete Slab For 9-3/8" x 15-1/2" Utility Box	76.59	12.44
33 14 23 00-0009	EA	3" High Reinforced Concrete Base For 9-3/8" x 15-1/2" Utility Box	110.69	12.44
33 14 23 00-0010		**B9 Utility Box, 10-1/4" x 17-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0011	EA	10-1/4" x 17-1/4" Precast Concrete Utility Box	154.67	74.66
33 14 23 00-0012	EA	Cast Iron Lid For 10-1/4" x 17-1/4" Utility Box	154.00	7.46
33 14 23 00-0013	EA	Reinforced Concrete Lid For 10-1/4" x 17-1/4" Utility Box	60.22	7.46
33 14 23 00-0014	EA	Steel Checkered Plate Cover For 10-1/4" x 17-1/4" Utility Box	302.56	6.23
33 14 23 00-0015	EA	13" x 19-3/4" Reinforced Concrete Slab For 10-1/4" x 17-1/4" Utility Box	85.96	12.44
33 14 23 00-0016	EA	5-3/4" High Reinforced Concrete Base For 10-1/4" x 17-1/4" Utility Box	114.90	18.67
33 14 23 00-0017	EA	12" High Reinforced Concrete Extension For 10-1/4" x 17-1/4" Utility Box	134.78	34.21
33 14 23 00-0018		**B12 Utility Box, 12" x 20"** *(33 14 23 00-0002)*		
33 14 23 00-0019	EA	12" x 20" Precast Concrete Utility Box	170.09	80.87
33 14 23 00-0020	EA	Cast Iron Lid For 12" x 20" Utility Box	277.77	9.33
33 14 23 00-0021	EA	Reinforced Concrete Lid For 12" x 20" Utility Box	80.49	12.44
33 14 23 00-0022	EA	Steel Checkered Plate Cover For 12" x 20" Utility Box	406.48	12.44
33 14 23 00-0023	EA	12" High Reinforced Concrete Extension For 12" x 20" Utility Box	175.87	43.55
33 14 23 00-0024		**B16 Utility Box, 12" x 22-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0025	EA	12" x 22-1/4" Precast Concrete Utility Box	195.71	94.56
33 14 23 00-0026	EA	Cast Iron Lid For 12" x 22-1/4" Utility Box	313.64	12.44
33 14 23 00-0027	EA	Reinforced Concrete Lid For 12" x 22-1/4" Utility Box	99.83	12.44
33 14 23 00-0028	EA	Steel Checkered Plate Cover For 12" x 22-1/4" Utility Box	408.78	12.44
33 14 23 00-0029	EA	16" x 27" Reinforced Concrete Slab For 12" x 22-1/4" Utility Box	139.75	21.16
33 14 23 00-0030	EA	12" High Reinforced Concrete Extension For 12" x 22-1/4" Utility Box	179.08	43.55
33 14 23 00-0031		**B30 Utility Box, 13-1/4" x 24"** *(33 14 23 00-0002)*		
33 14 23 00-0032	EA	13-1/4" x 24" Precast Concrete Utility Box (Christy B30BOX)	235.88	111.98
33 14 23 00-0033	EA	Reinforced Concrete Lid For 13-1/4" x 24" Utility Box (Christy B30D)	134.09	19.91
33 14 23 00-0034	EA	Steel Checkered Plate Cover For 13-1/4" x 24" Utility Box (Christy B30-61G)	505.27	16.18
33 14 23 00-0035	EA	16" x 27" Reinforced Concrete Slab For 13-1/4" x 24" Utility Box (Christy B30SL)	139.75	21.16
33 14 23 00-0036	EA	5-1/2" High Reinforced Concrete Base For 13-1/4" x 24" Utility Box (Christy B30BA)	213.80	34.84
33 14 23 00-0037	EA	6" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X6)	167.39	23.64

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0038	EA	12" High Reinforced Concrete Extension For 13-1/4" x 24" Utility Box (Christy B30X12)	232.09	55.99
33 14 23 00-0039		**B36 Utility Box, 17-1/4" x 30"** *(33 14 23 00-0002)*		
33 14 23 00-0040	EA	17-1/4" x 30" Precast Concrete Utility Box (Christy B36BOX)	308.52	141.84
33 14 23 00-0041	EA	Reinforced Concrete Lid For 17-1/4" x 30" Utility Box (Christy B36D)	218.28	34.21
33 14 23 00-0042	EA	Steel Checkered Plate Cover For 17-1/4" x 30" Utility Box (Christy B36-61D)	632.99	23.64
33 14 23 00-0043	EA	20" x 34" Reinforced Concrete Slab For 17-1/4" x 30" Utility Box (Christy B36SL)	195.06	44.79
33 14 23 00-0044	EA	6" High Reinforced Concrete Base For 17-1/4" x 30" Utility Box (Christy B36BA)	333.14	49.76
33 14 23 00-0045	EA	12" High Reinforced Concrete Extension For 17-1/4" x 30" Utility Box (Christy B36X12)	310.18	72.17
33 14 23 00-0046		**B40 Utility Box, 24-1/2" x 36"** *(33 14 23 00-0002)*		
33 14 23 00-0047	EA	24-1/2" x 36" Precast Concrete Utility Box	642.71	218.99
33 14 23 00-0048	EA	Reinforced Concrete Lid For 24-1/2" x 36" Utility Box	598.69	82.12
33 14 23 00-0049	EA	Steel Checkered Plate Cover For 24-1/2" x 36" Utility Box	898.80	36.08
33 14 23 00-0050	EA	30" x 40" Reinforced Concrete Slab For 24-1/2" x 36" Utility Box	488.33	77.15
33 14 23 00-0051	EA	10" High Reinforced Concrete Extension For 24-1/2" x 36" Utility Box	518.22	80.87
33 14 23 00-0052		**B48 Utility Box, 30-1/4" x 48-1/4"** *(33 14 23 00-0002)*		
33 14 23 00-0053	EA	30-1/4" x 48-1/4" Precast Concrete Utility Box	809.82	248.84
33 14 23 00-0054	EA	1 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	822.60	135.61
33 14 23 00-0055	EA	2 Piece Reinforced Concrete Lid For 30-1/4" x 48-1/4" Utility Box	1,041.35	135.61
33 14 23 00-0056	EA	2 Piece Steel Checkered Plate Cover For 30-1/4" x 48-1/4" Utility Box	1,422.32	62.21
33 14 23 00-0057	EA	36" x 53" Reinforced Concrete Slab For 30-1/4" x 48-1/4" Utility Box	703.09	167.97
33 14 23 00-0058	EA	10" High Reinforced Concrete Extension For 30-1/4" x 48-1/4" Utility Box	638.94	113.22
33 14 23 00-0059		**Roadway Or Curb Valve Boxes** *(33 14 23)*		
33 14 23 00-0060		**Round Head, Cast Iron Service, Roadway Or Valve Boxes** *(33 14 23 00-0059)*		
33 14 23 00-0061	EA	36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	232.28	14.94
33 14 23 00-0062	EA	36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	269.60	14.94
33 14 23 00-0063	EA	42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box Note: Includes cover, top section and bottom section.	271.32	14.94
33 14 23 00-0064	EA	9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	70.14	7.47
33 14 23 00-0065	EA	16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	80.02	7.47
33 14 23 00-0066	EA	24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	94.89	7.47
33 14 23 00-0067	EA	36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box Note: Includes cover, top section and bottom section.	349.85	18.67
33 14 23 00-0068	EA	45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	605.28	26.14
33 14 23 00-0069	EA	45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section, bottom section and #6 round base.	674.88	26.14
33 14 23 00-0070	EA	24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	363.65	18.67
33 14 23 00-0071	EA	36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	380.28	18.67
33 14 23 00-0072	EA	24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box Note: Includes cover, top section and bottom section.	367.58	18.67
33 14 23 00-0073	EA	12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box	133.30	7.47
33 14 23 00-0074	EA	18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes	225.13	30.73
33 14 23 00-0075	EA	22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes	232.69	31.96
33 14 23 00-0076	EA	30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes	258.98	33.18
33 14 23 00-0077	EA	36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box	354.67	35.03
33 14 23 00-0078	EA	48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes	427.32	36.87
33 14 23 00-0079	EA	18" Cast Iron Service Box Extension Section	99.92	
33 14 23 00-0080		**Plastic Roadway Grade Water Meter Box And Cover** *(33 14 23 00-0059)*		
33 14 23 00-0081	EA	12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover	318.84	43.02
33 14 23 00-0082	EA	9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover	239.76	30.73
33 14 23 00-0083	EA	Cast Iron Lid For Plastic Meter Box	71.44	
33 14 23 00-0084		**Traffic Valve Box And Lid** *(33 14 23 00-0059)*		
33 14 23 00-0085	EA	10-3/8" ID x 12" Traffic Valve Box And 11" OD Cast Iron Lid (Christy G-5)	226.79	
33 14 23 00-0086	EA	14-1/2" ID x 12" Traffic Valve Box And 13-1/4" OD Cast Iron Lid (Christy G-12)	739.37	
33 14 23 00-0087		**Roadway Valve Box Cover Adjustment** *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0057 for saw cutting pavement if required, 32 12 16 13-0023 for hand placed hot mix asphalt.		
33 14 23 00-0088	EA	Up To 3" Rise, Up To 6" Diameter, Adjustment To Roadway Valve Cover	319.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0089		Roadway Utility Box Cover Adjustment *(33 14 23)* Note: Excludes asphalt See CSI section 02 41 13 13-0037 for breakup and removal of pavement, 02 41 19 13-0057 for saw cutting pavement if required, 32 12 16 13-0023 for hand placed hot mix asphalt.		
33 14 23 00-0090	EA	Up To 6" Rise, Up To 2 SF, Adjustment To Roadway Utility Cover	640.46	
33 14 23 00-0091	EA	Up To 6" Rise, >2 To 4 SF, Adjustment To Roadway Utility Cover	817.72	
33 14 23 00-0092	EA	Up To 6" Rise, >4 To 6 SF, Adjustment To Roadway Utility Cover	1,168.45	
33 14 23 00-0093	EA	Up To 6" Rise, >6 To 10 SF, Adjustment To Roadway Utility Cover	1,424.60	

33 16 Water Utility Storage Tanks *(33 10)*

33 16 23 Ground-Level Steel Water Storage Tanks *(33 16)*

See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.

33 19 Water Utility Metering Equipment *(33 10)*

33 19 13 Positive Displacement Water Meters *(33 19)*

33 19 13 23 Nutating Disc Water Meters *(33 19 13)*

33 19 13 23-0001 Bronze Disk Type Water Service Meters *(33 19 13 23)*

33 19 13 23-0002	EA	5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter	332.81	63.91
33 19 13 23-0003	EA	3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter	418.50	76.20
33 19 13 23-0004	EA	1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter	562.61	87.26
33 19 13 23-0005	EA	1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,096.19	130.28
33 19 13 23-0006	EA	2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter	1,485.55	169.60

33 19 13 23-0007 Magnetic Driven, Positive Displacement Type Water Service Meters *(33 19 13 23)*

33 19 13 23-0008	EA	5/8" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	598.93	63.91
		For Owner Furnished Material, Deduct	*-534.24*	
33 19 13 23-0009	EA	3/4" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	682.85	76.20
		For Owner Furnished Material, Deduct	*-606.03*	
33 19 13 23-0010	EA	1" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,017.67	87.26
		For Owner Furnished Material, Deduct	*-929.88*	
33 19 13 23-0011	EA	1-1/2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	1,722.88	130.28
		For Owner Furnished Material, Deduct	*-1,592.14*	
33 19 13 23-0012	EA	2" Diameter Transmitting Water Supply Meter, Screwed (Neptune T10 E-Coder/R900i)	2,132.67	169.60
		For Owner Furnished Material, Deduct	*-1,961.97*	
33 19 13 23-0013	EA	Electronic Transmitter Note: For use with transmitting meter valve.	486.00	30.73
		For Owner Furnished Material, Deduct	*-455.27*	

33 19 16 Velocity-Type Water Meters *(33 19)*

33 19 16 23 Turbine Water Meters *(33 19 16)*

33 19 16 23-0001 Flanged Turbine Water Service Meter *(33 19 16 23)*

33 19 16 23-0002 Vertical Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0003	EA	1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged	1,314.99	118.83
33 19 16 23-0004	EA	2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged	1,850.79	150.85
33 19 16 23-0005	EA	3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged	3,422.31	192.39
33 19 16 23-0006	EA	4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged	5,099.14	301.03
33 19 16 23-0007	EA	6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged	9,716.62	407.41

33 19 16 23-0008 Horizontal Turbine Meters *(33 19 16 23-0001)*

33 19 16 23-0009	EA	1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged	2,092.38	118.83
33 19 16 23-0010	EA	2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged	2,960.61	150.85
33 19 16 23-0011	EA	3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged	3,867.26	192.39
33 19 16 23-0012	EA	4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged	5,687.30	301.03
33 19 16 23-0013	EA	6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged	11,859.55	407.41
33 19 16 23-0014	EA	8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged	15,874.55	520.57
33 19 16 23-0015	EA	10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged	22,215.85	633.74
33 19 16 23-0016	EA	12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged	26,673.40	999.28

33 19 19 Compound Water Meters *(33 19)*

33 19 19 00-0001 Flanged Compound Type Water Service Meter *(33 19 19)*

33 19 19 00-0002	EA	2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter	5,625.22	150.85
33 19 19 00-0003	EA	3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter	6,787.59	192.39
33 19 19 00-0004	EA	4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter	11,231.31	301.03
33 19 19 00-0005	EA	6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter	15,715.81	407.41
33 19 19 00-0006	EA	8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter	32,491.24	520.57
33 19 19 00-0007	EA	10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter	55,797.00	633.74

33 19 23 Magnetic Water Meters *(33 19)*

33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter *(33 19 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 23 00-0002	EA	2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	8,997.82	150.85
33 19 23 00-0003	EA	3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	12,682.87	192.39
33 19 23 00-0004	EA	4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG)	14,557.32	301.03

33 19 26 Ultrasonic Water Meters *(33 19)*

33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Octive) *(33 19 26)*

33 19 26 00-0002	EA	3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	4,542.44	192.39
33 19 26 00-0003	EA	4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	5,232.90	301.03
33 19 26 00-0004	EA	6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	7,701.64	407.41
33 19 26 00-0005	EA	8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Octive)	11,095.60	520.57

33 30 Sanitary Sewerage Utilities *(33)*

33 31 Sanitary Sewerage Piping *(33 30)*

33 31 11 Public Sanitary Sewerage Gravity Piping *(33 31)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 31 11 00-0001 Cast Iron Service Saddles With U Bolt *(33 31 11)*

33 31 11 00-0002	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	126.83	
33 31 11 00-0003	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	127.54	
33 31 11 00-0004	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt	140.32	
33 31 11 00-0005	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt	135.90	
33 31 11 00-0006	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	153.50	
33 31 11 00-0007	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	172.85	
33 31 11 00-0008	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	204.83	
33 31 11 00-0009	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt	173.61	
33 31 11 00-0010	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt	189.80	
33 31 11 00-0011	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt	218.84	
33 31 11 00-0012	EA	2" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	179.23	
33 31 11 00-0013	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt	139.87	
33 31 11 00-0014	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt	152.65	
33 31 11 00-0015	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt	182.13	
33 31 11 00-0016	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	216.23	
33 31 11 00-0017	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt	233.04	

33 31 11 00-0018 Plastic Sewer And Drain Piping *(33 31 11)*

Note: Includes detectable tracer wire.

33 31 11 00-0019 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0018)*

33 31 11 00-0020	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	10.76	4.34
33 31 11 00-0021	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.07	5.11
33 31 11 00-0022	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	18.24	6.19
33 31 11 00-0023	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	22.87	7.23
33 31 11 00-0024	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	31.49	8.41
33 31 11 00-0025	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	42.43	9.77
33 31 11 00-0026	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	58.42	10.12
33 31 11 00-0027	LF	12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe	77.10	10.48

33 31 11 00-0028 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe *(33 31 11 00-0018)*

Note: D-2729 PVC pipe.

33 31 11 00-0029	LF	3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	13.69	6.19
33 31 11 00-0030	LF	4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	16.07	7.23
33 31 11 00-0031	LF	6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe	19.98	8.41

33 31 11 00-0032 Polyvinyl Chloride (PVC) Sewer And Drain Fittings *(33 31 11 00-0018)*

33 31 11 00-0033 Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbows *(33 31 11 00-0032)*

33 31 11 00-0034	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	30.50	14.55
33 31 11 00-0035	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	39.18	18.81
33 31 11 00-0036	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	72.15	25.27
33 31 11 00-0037	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	116.31	29.21
33 31 11 00-0038	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	498.45	37.96
33 31 11 00-0039	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	832.77	51.08
33 31 11 00-0040	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Elbow	1,099.08	68.03

33 31 11 00-0041 Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbows *(33 31 11 00-0032)*

33 31 11 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	32.50	14.55
33 31 11 00-0043	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	39.01	18.81
33 31 11 00-0044	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	69.15	25.27
33 31 11 00-0045	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	101.63	29.21
33 31 11 00-0046	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	461.09	37.96
33 31 11 00-0047	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	745.94	51.08
33 31 11 00-0048	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	843.65	68.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0049	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/8 Bend Elbow	1,258.59	90.61
33 31 11 00-0050		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweeps** *(33 31 11 00-0032)*		
33 31 11 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	54.85	14.33
33 31 11 00-0052	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	53.19	18.81
33 31 11 00-0053	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	108.17	25.27
33 31 11 00-0054	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	182.36	29.21
33 31 11 00-0055	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	370.87	37.96
33 31 11 00-0056	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	665.11	51.08
33 31 11 00-0057	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,096.07	68.03
33 31 11 00-0058	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/4 Bend Long Sweep	1,667.10	90.61
33 31 11 00-0059		**Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbows** *(33 31 11 00-0032)*		
33 31 11 00-0060	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	36.76	14.55
33 31 11 00-0061	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	43.35	18.81
33 31 11 00-0062	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	81.62	25.27
33 31 11 00-0063	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	124.78	29.21
33 31 11 00-0064	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	622.73	37.96
33 31 11 00-0065	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,013.69	51.08
33 31 11 00-0066	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,140.27	68.03
33 31 11 00-0067	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, 1/16 Bend Elbow	1,159.73	90.61
33 31 11 00-0068		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducers** *(33 31 11 00-0032)*		
33 31 11 00-0069	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	42.29	16.60
33 31 11 00-0070	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	85.12	19.82
33 31 11 00-0071	EA	3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	79.17	21.86
33 31 11 00-0072	EA	4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	127.61	23.89
33 31 11 00-0073	EA	4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	136.59	27.10
33 31 11 00-0074	EA	6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	439.47	33.55
33 31 11 00-0075	EA	8" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	945.22	44.48
33 31 11 00-0076	EA	10" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	199.39	48.57
33 31 11 00-0077	EA	10" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	276.82	52.97
33 31 11 00-0078	EA	10" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	258.59	59.49
33 31 11 00-0079	EA	12" x 6" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	975.18	64.31
33 31 11 00-0080	EA	12" x 8" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,028.83	70.83
33 31 11 00-0081	EA	12" x 10" Polyvinyl Chloride (PVC) Sewer And Drain, Reducer	1,087.71	79.32
33 31 11 00-0082		**Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tees** *(33 31 11 00-0032)*		
33 31 11 00-0083	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	48.45	21.99
33 31 11 00-0084	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	64.76	28.44
33 31 11 00-0085	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	115.36	37.52
33 31 11 00-0086	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	182.42	46.59
33 31 11 00-0087	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	731.38	51.08
33 31 11 00-0088	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Sanitary Tee	948.59	68.03
33 31 11 00-0089		**Polyvinyl Chloride (PVC) Sewer And Drain, Wyes** *(33 31 11 00-0032)*		
33 31 11 00-0090	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	63.96	21.99
33 31 11 00-0091	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	73.77	28.44
33 31 11 00-0092	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	126.87	37.52
33 31 11 00-0093	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	201.26	46.59
33 31 11 00-0094	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	660.67	51.08
33 31 11 00-0095	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	814.27	68.03
33 31 11 00-0096	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,070.64	90.78
33 31 11 00-0097	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Wye	1,699.62	121.15
33 31 11 00-0098		**Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wyes** *(33 31 11 00-0032)*		
33 31 11 00-0099	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	88.31	21.99
33 31 11 00-0100	EA	2" x 2" x 1" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	97.45	28.44
33 31 11 00-0101	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	110.86	37.52
33 31 11 00-0102	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	175.41	46.59
33 31 11 00-0103	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	193.09	46.59
33 31 11 00-0104	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Wye	317.61	76.78
33 31 11 00-0105		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Wyes** *(33 31 11 00-0032)*		
33 31 11 00-0106	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	108.62	28.44
33 31 11 00-0107	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	141.21	37.52
33 31 11 00-0108	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	295.23	50.64
33 31 11 00-0109	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Wye	536.53	61.25
33 31 11 00-0110	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	133.87	37.52
33 31 11 00-0111	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	239.19	50.64
33 31 11 00-0112	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Double Wye	443.97	61.25

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0113		**Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bends** *(33 31 11 00-0032)*		
33 31 11 00-0114	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	83.31	21.99
33 31 11 00-0115	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	103.95	28.44
33 31 11 00-0116	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	217.59	37.52
33 31 11 00-0117	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Combination Wye And 1/8 Bend	404.73	46.59
33 31 11 00-0118	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	169.67	28.44
33 31 11 00-0119	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	277.11	37.52
33 31 11 00-0120	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	194.31	37.52
33 31 11 00-0121	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	376.83	46.59
33 31 11 00-0122	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Reducing Combination Wye And 1/8 Bend	402.35	46.59
33 31 11 00-0123		**Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bends** *(33 31 11 00-0032)*		
33 31 11 00-0124	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	123.64	28.44
33 31 11 00-0125	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	142.88	37.52
33 31 11 00-0126	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	226.34	50.64
33 31 11 00-0127	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	884.44	61.25
33 31 11 00-0128	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Double Combination Wye And 1/8 Bend	2,979.05	67.81
33 31 11 00-0129		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tees With Plug** *(33 31 11 00-0032)*		
33 31 11 00-0130	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	666.11	117.02
33 31 11 00-0131	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	1,651.90	150.97
33 31 11 00-0132	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,093.98	212.74
33 31 11 00-0133	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout Tee With Plug	2,867.39	342.21
33 31 11 00-0134		**Polyvinyl Chloride (PVC) Sewer And Drain, Couplings** *(33 31 11 00-0032)*		
33 31 11 00-0135	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	29.44	14.55
33 31 11 00-0136	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	36.51	18.70
33 31 11 00-0137	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	59.37	25.05
33 31 11 00-0138	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	79.49	29.21
33 31 11 00-0139	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	254.14	37.96
33 31 11 00-0140	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	646.13	51.08
33 31 11 00-0141	EA	10" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	984.69	68.03
33 31 11 00-0142	EA	12" Polyvinyl Chloride (PVC) Sewer And Drain, Coupling	1,639.50	90.61
33 31 11 00-0143		**Polyvinyl Chloride (PVC) Sewer And Drain, Adapters** *(33 31 11 00-0032)*		
33 31 11 00-0144	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Male Threaded Iron Adapter Fitting	140.49	79.45
33 31 11 00-0145	EA	2" x 3" x 3" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	97.81	60.44
33 31 11 00-0146	EA	2" x 3" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	100.93	60.44
33 31 11 00-0147	EA	3" x 4" x 4" Polyvinyl Chloride (PVC) Sewer And Drain, Downspout Adapter Fitting	109.20	60.44
33 31 11 00-0148	EA	4" Cast Iron Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Hub Pipe Adapter Fitting	142.76	79.45
33 31 11 00-0149	EA	4" Clay Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	136.14	79.45
33 31 11 00-0150	EA	4" Fiberglass Pipe x Polyvinyl Chloride (PVC) Sewer And Drain, Spigot Pipe Adapter Fitting	125.27	79.45
33 31 11 00-0151	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Drain Grate Fitting	69.35	40.85
33 31 11 00-0152		**Polyvinyl Chloride (PVC) Sewer And Drain, Caps** *(33 31 11 00-0032)*		
33 31 11 00-0153	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	42.44	15.64
33 31 11 00-0154	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	72.19	19.47
33 31 11 00-0155	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cap	140.58	25.16
33 31 11 00-0156		**Polyvinyl Chloride (PVC) Sewer And Drain, Cleanouts With Plug** *(33 31 11 00-0032)*		
33 31 11 00-0157	EA	1-1/2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	25.60	14.55
33 31 11 00-0158	EA	2" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	33.37	18.81
33 31 11 00-0159	EA	3" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	50.25	25.27
33 31 11 00-0160	EA	4" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	67.40	29.21
33 31 11 00-0161	EA	6" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	119.38	37.96
33 31 11 00-0162	EA	8" Polyvinyl Chloride (PVC) Sewer And Drain, Cleanout With Plug	478.42	51.08
33 31 11 00-0163		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0018)* Note: ASTM 3034.		
33 31 11 00-0164	LF	4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	18.28	7.23
		For SDR 26, Add	*0.75*	
33 31 11 00-0165	LF	6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	24.10	8.41
		For SDR 26, Add	*1.43*	
33 31 11 00-0166	LF	8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	31.93	9.77
		For SDR 26, Add	*2.43*	
33 31 11 00-0167	LF	10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	38.82	10.12
		For SDR 26, Add	*3.64*	
33 31 11 00-0168	LF	12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	47.11	10.48
		For SDR 26, Add	*5.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0169	LF	15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	60.91	10.84
		For SDR 26, Add	*7.69*	
33 31 11 00-0170	LF	18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	76.73	11.24
33 31 11 00-0171	LF	21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	99.21	12.20
33 31 11 00-0172	LF	24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	120.01	13.17
33 31 11 00-0173	LF	27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe	149.07	15.44
33 31 11 00-0174		**Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe** *(33 31 11 00-0018)*		
		Note: ASTM 3034.		
33 31 11 00-0175	LF	4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	17.48	7.23
		For SDR 26, Add	*0.59*	
33 31 11 00-0176	LF	6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	22.86	8.41
		For SDR 26, Add	*1.19*	
33 31 11 00-0177	LF	8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe	30.12	9.77
		For SDR 26, Add	*2.07*	
33 31 11 00-0178		**Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings** *(33 31 11 00-0018)*		
		Note: ASTM 3034.		
33 31 11 00-0179		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bends** *(33 31 11 00-0178)*		
33 31 11 00-0180	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	88.34	26.79
		For SDR 26, Add	*4.19*	
33 31 11 00-0181	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	132.27	31.15
		For SDR 26, Add	*7.71*	
33 31 11 00-0182	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	281.43	35.30
		For SDR 26, Add	*21.34*	
33 31 11 00-0183	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	816.76	41.53
		For SDR 26, Add	*71.76*	
33 31 11 00-0184	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/4 Bend	1,055.54	52.95
		For SDR 26, Add	*92.86*	
33 31 11 00-0185		**Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bends** *(33 31 11 00-0178)*		
33 31 11 00-0186	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	79.36	26.79
		For SDR 26, Add	*3.33*	
33 31 11 00-0187	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	122.37	31.15
		For SDR 26, Add	*6.76*	
33 31 11 00-0188	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	256.39	35.30
		For SDR 26, Add	*18.93*	
33 31 11 00-0189	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	581.05	41.53
		For SDR 26, Add	*49.13*	
33 31 11 00-0190	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	831.42	52.95
		For SDR 26, Add	*71.34*	
33 31 11 00-0191	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	1,788.71	74.75
		For SDR 26, Add	*159.76*	
33 31 11 00-0192	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	2,840.01	105.91
33 31 11 00-0193	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	4,744.50	140.16
33 31 11 00-0194	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), 1/8 Bend	6,469.89	186.88
33 31 11 00-0195		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tees** *(33 31 11 00-0178)*		
33 31 11 00-0196	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	133.78	40.19
		For SDR 26, Add	*6.41*	
33 31 11 00-0197	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	218.84	44.54
		For SDR 26, Add	*13.88*	
33 31 11 00-0198	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	246.49	46.72
		For SDR 26, Add	*16.19*	
33 31 11 00-0199	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	272.56	48.90
		For SDR 26, Add	*18.34*	
33 31 11 00-0200	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	312.98	51.08
		For SDR 26, Add	*21.87*	
33 31 11 00-0201	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	607.22	53.26
		For SDR 26, Add	*49.77*	
33 31 11 00-0202	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	780.09	54.51
		For SDR 26, Add	*66.17*	
33 31 11 00-0203	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	884.98	57.11
		For SDR 26, Add	*75.83*	
33 31 11 00-0204	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,311.12	59.28
		For SDR 26, Add	*116.39*	
33 31 11 00-0205	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,711.51	62.29
		For SDR 26, Add	*154.34*	
33 31 11 00-0206	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	959.99	66.35
		For SDR 26, Add	*81.54*	
33 31 11 00-0207	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,019.46	68.53
		For SDR 26, Add	*86.90*	
33 31 11 00-0208	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	1,459.39	70.71
		For SDR 26, Add	*128.79*	
33 31 11 00-0209	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,109.98	73.71
		For SDR 26, Add	*190.77*	
33 31 11 00-0210	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Sanitary Tee	2,378.45	79.42
		For SDR 26, Add	*215.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0211		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Wyes** *(33 31 11 00-0178)*		
33 31 11 00-0212	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	126.81	40.19
		For SDR 26, Add	*5.74*	
33 31 11 00-0213	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	195.62	44.54
		For SDR 26, Add	*11.65*	
33 31 11 00-0214	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	215.30	46.72
		For SDR 26, Add	*13.19*	
33 31 11 00-0215	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	262.60	48.90
33 31 11 00-0216	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	301.10	51.08
33 31 11 00-0217	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	465.32	53.26
33 31 11 00-0218	EA	10" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	712.67	54.93
33 31 11 00-0219	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	726.79	57.11
33 31 11 00-0220	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,098.14	59.28
33 31 11 00-0221	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,215.72	62.29
33 31 11 00-0222	EA	12" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	903.78	66.35
33 31 11 00-0223	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	932.13	68.53
33 31 11 00-0224	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,339.70	70.71
33 31 11 00-0225	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,616.32	73.71
33 31 11 00-0226	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	1,687.20	79.42
33 31 11 00-0227	EA	15" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,079.72	95.52
33 31 11 00-0228	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,308.14	101.23
33 31 11 00-0229	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Wye	2,888.32	112.13
33 31 11 00-0230		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Couplings** *(33 31 11 00-0178)*		
33 31 11 00-0231	EA	4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	87.55	26.79
		For SDR 26, Add	*4.12*	
33 31 11 00-0232	EA	6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	137.56	31.15
		For SDR 26, Add	*8.22*	
33 31 11 00-0233	EA	8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	204.66	35.50
		For SDR 26, Add	*13.97*	
33 31 11 00-0234	EA	10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	392.10	41.53
		For SDR 26, Add	*30.99*	
33 31 11 00-0235	EA	12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	557.37	52.95
		For SDR 26, Add	*45.04*	
33 31 11 00-0236	EA	15" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	1,095.18	74.75
		For SDR 26, Add	*93.18*	
33 31 11 00-0237	EA	18" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	2,065.88	105.91
33 31 11 00-0238	EA	21" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	3,453.57	140.16
33 31 11 00-0239	EA	24" Gasketed SDR 35 Polyvinyl Chloride (PVC), Coupling	5,002.25	186.88
33 31 11 00-0240		**Gasketed SDR 35 Polyvinyl Chloride (PVC), Increasers** *(33 31 11 00-0178)*		
33 31 11 00-0241	EA	6" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	171.39	28.97
		For SDR 26, Add	*11.82*	
33 31 11 00-0242	EA	8" x 4" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	247.37	31.15
		For SDR 26, Add	*18.76*	
33 31 11 00-0243	EA	8" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	260.79	33.32
		For SDR 26, Add	*19.70*	
33 31 11 00-0244	EA	10" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	594.14	36.34
		For SDR 26, Add	*51.23*	
33 31 11 00-0245	EA	10" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	683.41	38.52
		For SDR 26, Add	*59.45*	
33 31 11 00-0246	EA	12" x 6" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	763.77	42.05
		For SDR 26, Add	*66.59*	
33 31 11 00-0247	EA	12" x 8" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	877.29	44.23
		For SDR 26, Add	*77.14*	
33 31 11 00-0248	EA	12" x 10" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,006.52	47.24
		For SDR 26, Add	*89.07*	
33 31 11 00-0249	EA	15" x 12" Gasketed SDR 35 Polyvinyl Chloride (PVC), Increaser	1,516.64	63.85
		For SDR 26, Add	*135.38*	
33 31 11 00-0250		**SDR 35 Polyvinyl Chloride (PVC), Saddle Wyes With Stainless Steel Clamps** *(33 31 11 00-0178)*		
33 31 11 00-0251	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	140.58	
		For SDR 26, Add	*8.51*	
33 31 11 00-0252	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	186.34	
		For SDR 26, Add	*11.91*	
33 31 11 00-0253	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	190.64	
		For SDR 26, Add	*12.32*	
33 31 11 00-0254	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	318.68	
		For SDR 26, Add	*23.62*	
33 31 11 00-0255	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	336.68	
		For SDR 26, Add	*25.34*	
33 31 11 00-0256	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	646.42	
		For SDR 26, Add	*55.08*	
33 31 11 00-0257	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	362.42	
		For SDR 26, Add	*26.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0258	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	396.17	
		For SDR 26, Add	*29.56*	
33 31 11 00-0259	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	896.23	
		For SDR 26, Add	*77.57*	
33 31 11 00-0260	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	1,058.74	
		For SDR 26, Add	*93.17*	
33 31 11 00-0261	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	413.51	
		For SDR 26, Add	*27.74*	
33 31 11 00-0262	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Wye With Stainless Steel Clamps	442.96	
		For SDR 26, Add	*30.56*	

33 31 11 00-0263 SDR 35 Polyvinyl Chloride (PVC), Saddle Tees With Stainless Steel Clamps *(33 31 11 00-0178)*

33 31 11 00-0264	EA	6" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	150.66	
		For SDR 26, Add	*9.48*	
33 31 11 00-0265	EA	8" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	186.34	
		For SDR 26, Add	*11.91*	
33 31 11 00-0266	EA	8" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	204.36	
		For SDR 26, Add	*13.64*	
33 31 11 00-0267	EA	10" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	291.97	
		For SDR 26, Add	*21.05*	
33 31 11 00-0268	EA	10" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	334.53	
		For SDR 26, Add	*25.14*	
33 31 11 00-0269	EA	10" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	511.98	
		For SDR 26, Add	*42.17*	
33 31 11 00-0270	EA	12" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	360.28	
		For SDR 26, Add	*26.11*	
33 31 11 00-0271	EA	12" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	394.13	
		For SDR 26, Add	*29.36*	
33 31 11 00-0272	EA	12" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	595.22	
		For SDR 26, Add	*48.67*	
33 31 11 00-0273	EA	12" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	726.46	
		For SDR 26, Add	*61.27*	
33 31 11 00-0274	EA	15" x 4" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	412.18	
		For SDR 26, Add	*27.61*	
33 31 11 00-0275	EA	15" x 6" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	432.98	
		For SDR 26, Add	*29.61*	
33 31 11 00-0276	EA	15" x 8" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	730.31	
		For SDR 26, Add	*58.15*	
33 31 11 00-0277	EA	15" x 10" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	809.50	
		For SDR 26, Add	*65.75*	
33 31 11 00-0278	EA	15" x 12" SDR 35 Polyvinyl Chloride (PVC), Saddle Tee With Stainless Steel Clamps	1,149.89	
		For SDR 26, Add	*98.43*	

33 31 11 00-0279 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe and Fittings *(33 31 11 00-0018)*

Note: ASTM F949.

33 31 11 00-0280 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe *(33 31 11 00-0279)*

33 31 11 00-0281	LF	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	16.56	7.23
33 31 11 00-0282	LF	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	22.17	8.41
33 31 11 00-0283	LF	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	27.59	9.77
33 31 11 00-0284	LF	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	31.82	10.12
33 31 11 00-0285	LF	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	33.53	10.48
33 31 11 00-0286	LF	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	38.56	10.84
33 31 11 00-0287	LF	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	47.65	11.24
33 31 11 00-0288	LF	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	55.06	12.20
33 31 11 00-0289	LF	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	66.43	13.17
33 31 11 00-0290	LF	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC) Pipe	94.68	17.72

33 31 11 00-0291 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bends *(33 31 11 00-0279)*

33 31 11 00-0292	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	54.93	
33 31 11 00-0293	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	73.25	
33 31 11 00-0294	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	100.20	
33 31 11 00-0295	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	165.43	
33 31 11 00-0296	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	179.51	
33 31 11 00-0297	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	293.13	
33 31 11 00-0298	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	459.43	
33 31 11 00-0299	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	643.07	
33 31 11 00-0300	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	826.67	
33 31 11 00-0301	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/4 Bend	1,084.83	

33 31 11 00-0302 Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bends *(33 31 11 00-0279)*

33 31 11 00-0303	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	51.76	
33 31 11 00-0304	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	68.56	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0305	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	93.37	
33 31 11 00-0306	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	152.60	
33 31 11 00-0307	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	166.08	
33 31 11 00-0308	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	269.40	
33 31 11 00-0309	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	420.73	
33 31 11 00-0310	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	585.63	
33 31 11 00-0311	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	750.59	
33 31 11 00-0312	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/8 Bend	983.31	
33 31 11 00-0313		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bends *(33 31 11 00-0279)*		
33 31 11 00-0314	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	47.01	
33 31 11 00-0315	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	58.66	
33 31 11 00-0316	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	88.32	
33 31 11 00-0317	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	111.46	
33 31 11 00-0318	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	151.82	
33 31 11 00-0319	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	244.18	
33 31 11 00-0320	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	354.41	
33 31 11 00-0321	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	526.87	
33 31 11 00-0322	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	699.35	
33 31 11 00-0323	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), 1/16 Bend	980.88	
33 31 11 00-0324		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wyes *(33 31 11 00-0279)*		
33 31 11 00-0325	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	85.19	
33 31 11 00-0326	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	109.10	
33 31 11 00-0327	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	186.80	
33 31 11 00-0328	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	294.30	
33 31 11 00-0329	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	479.86	
33 31 11 00-0330	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	682.21	
33 31 11 00-0331	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	986.79	
33 31 11 00-0332	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,131.87	
33 31 11 00-0333	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	1,276.89	
33 31 11 00-0334	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Wye	2,286.95	
33 31 11 00-0335		Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tees *(33 31 11 00-0279)*		
33 31 11 00-0336	EA	4" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	78.70	
33 31 11 00-0337	EA	6" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	100.20	
33 31 11 00-0338	EA	8" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	168.62	
33 31 11 00-0339	EA	10" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	263.22	
33 31 11 00-0340	EA	12" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	425.25	
33 31 11 00-0341	EA	15" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	603.40	
33 31 11 00-0342	EA	18" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	871.38	
33 31 11 00-0343	EA	21" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	998.01	
33 31 11 00-0344	EA	24" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	1,124.60	
33 31 11 00-0345	EA	30" Smooth Interior, Double Wall, Corrugated Polyvinyl Chloride (PVC), Tee	2,000.84	
33 31 11 00-0346		Couplings And Plug Fittings *(33 31 11)*		
33 31 11 00-0347		Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings *(33 31 11 00-0346)*		
		Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.		
33 31 11 00-0348	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	21.56	7.46
33 31 11 00-0349	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	23.56	8.71
33 31 11 00-0350	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	27.36	9.95
33 31 11 00-0351	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	31.11	10.58
33 31 11 00-0352	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	38.44	11.20
33 31 11 00-0353	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	45.80	12.44
33 31 11 00-0354	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	58.83	13.69
33 31 11 00-0355	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	73.17	14.30
33 31 11 00-0356	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212)	122.83	14.93
33 31 11 00-0357	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515)	168.33	16.18
33 31 11 00-0358	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818)	327.95	16.79
33 31 11 00-0359	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121)	381.48	17.74
33 31 11 00-0360	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424)	422.88	18.67
33 31 11 00-0361	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727)	507.04	19.91
33 31 11 00-0362		Manhole Inside Bowl Drop *(33 31 11)*		
33 31 11 00-0363	EA	Inside Pipe Drop, 4" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4DB)	346.37	
33 31 11 00-0364	EA	Inside Pipe Drop, 4" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A4R96)	363.22	
33 31 11 00-0365	EA	Inside Pipe Drop, 6" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6DB)	372.34	
33 31 11 00-0366	EA	Inside Pipe Drop, 6" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A6R96)	385.17	
33 31 11 00-0367	EA	Inside Pipe Drop, 8" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DB)	400.23	
33 31 11 00-0368	EA	Inside Pipe Drop, 8" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A8DBR84)	429.38	
33 31 11 00-0369	EA	Inside Pipe Drop, 10" Outlet for 4' to 5' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10DB)	447.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0370	EA	Inside Pipe Drop, 10" Outlet for 6' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner A10R96)	461.63	
33 31 11 00-0371	EA	Inside Pipe Drop, 12" Outlet for 4' to 6' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R60)	795.65	
33 31 11 00-0372	EA	Inside Pipe Drop, 12" Outlet for 7' to 8' Diameter Manhole With Stainless Steel Expansion Bolts (Reliner 24/12R96)	817.51	

33 32 Sanitary Sewerage Equipment *(33 30)*

33 32 16 Packaged Wastewater Grinder Pump Assemblies *(33 32)*

33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller *(33 32 16)*

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,222.95	368.97
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge Note: Zoeller 840 series.	2,192.25	368.97
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,043.02	122.95
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch Note: For Zoeller 840 series grinder pump.	1,613.51	122.95
33 32 16 00-0006	EA	Grinder Pump, 120 Gallon Sewage Basin, 1 HP, 120 V (Environment One 2012-74)	13,716.40	

33 32 16 00-0007 Submersible Grinder Pumps *(33 32 16)*

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0008	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	3,919.92	754.89
33 32 16 00-0009	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	5,823.36	880.70
33 32 16 00-0010	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof	7,138.97	1,132.34

33 34 Onsite Wastewater Disposal *(33 30)*

Note: Excludes distribution field piping, trenching or excavation.

33 34 13 Septic Tanks *(33 34)*

33 34 13 13 Concrete Septic Tanks *(33 34 13)*

33 34 13 13-0001 Precast Concrete Septic Tank *(33 34 13 13)*

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank	4,280.46	754.89
		For Non-Traffic Rated, Deduct	*-838.35*	
33 34 13 13-0003	EA	1,250 Gallon Precast Septic Tank	5,151.92	833.28
		For Non-Traffic Rated, Deduct	*-1,032.22*	
33 34 13 13-0004	EA	1,500 Gallon Precast Septic Tank	5,989.47	911.53
		For Non-Traffic Rated, Deduct	*-1,217.58*	
33 34 13 13-0005	EA	2,000 Gallon Precast Septic Tank	7,706.89	990.80
		For Non-Traffic Rated, Deduct	*-1,623.48*	
33 34 13 13-0006	EA	2,500 Gallon Precast Septic Tank	9,163.75	1,368.24
		For Non-Traffic Rated, Deduct	*-1,872.42*	
33 34 13 13-0007	EA	4,000 Gallon Precast Septic Tank	24,548.63	1,887.23
		For Non-Traffic Rated, Deduct	*-5,558.41*	
33 34 13 13-0008	EA	5,000 Gallon Precast Septic Tank	44,702.19	2,830.84
		For Non-Traffic Rated, Deduct	*-10,309.90*	
33 34 13 13-0009	EA	7,500 Gallon Precast Septic Tank	50,042.67	3,963.19
		For Non-Traffic Rated, Deduct	*-11,304.94*	
33 34 13 13-0010	EA	10,000 Gallon Precast Septic Tank	61,372.88	4,741.73
		For Non-Traffic Rated, Deduct	*-13,896.34*	
33 34 13 13-0011	EA	12,500 Gallon Precast Septic Tank	72,491.60	5,874.07
		For Non-Traffic Rated, Deduct	*-16,314.30*	

33 34 13 23 Fiberglass Septic Tank *(33 34 13)*

33 34 13 23-0001 Fiberglass Septic Tank *(33 34 13 23)*

33 34 13 23-0002	EA	1,000 Gallon Fiberglass Septic Tank	4,801.97	566.17
33 34 13 23-0003	EA	1,250 Gallon Fiberglass Septic Tank	5,646.96	754.89
33 34 13 23-0004	EA	1,500 Gallon Fiberglass Septic Tank	6,516.46	684.19
33 34 13 23-0005	EA	2,000 Gallon Fiberglass Septic Tank	10,930.88	740.67
33 34 13 23-0006	EA	2,500 Gallon Fiberglass Septic Tank	13,715.02	1,026.66
33 34 13 23-0007	EA	4,000 Gallon Fiberglass Septic Tank	21,766.55	1,415.43
33 34 13 23-0008	EA	5,000 Gallon Fiberglass Septic Tank	32,303.51	2,123.13
33 34 13 23-0009	EA	7,500 Gallon Fiberglass Septic Tank	44,347.53	2,972.39
33 34 13 23-0010	EA	10,000 Gallon Fiberglass Septic Tank	54,426.55	3,552.65

33 34 13 33 Polyethylene Septic Tank *(33 34 13)*

33 34 13 33-0001 High-Density Polyethylene (HDPE) Septic Tank *(33 34 13 33)*

33 34 13 33-0002	EA	300 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	1,340.25	226.34
33 34 13 33-0003	EA	500 Gallon One Compartment One Manhole High-Density Polyethylene (HDPE) Septic Tank	2,077.57	254.63
33 34 13 33-0004	EA	900 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,895.04	311.22
33 34 13 33-0005	EA	1,000 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,969.95	339.50
33 34 13 33-0006	EA	1,250 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,445.45	367.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 33-0007	EA	1,500 Gallon One Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,140.88	396.09
33 34 13 33-0008	EA	750 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	2,919.62	282.92
33 34 13 33-0009	EA	1,000 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,179.41	339.50
33 34 13 33-0010	EA	1,250 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	3,743.92	367.80
33 34 13 33-0011	EA	1,500 Gallon Two Compartment Two Manhole High-Density Polyethylene (HDPE) Septic Tank	4,402.71	396.09

33 34 51 Drainage Field System *(33 34)*

33 34 51 00-0001 Leaching Pit - Precast Concrete *(33 34 51)*

Note: Includes external coating.

33 34 51 00-0002	EA	3' Diameter, 3' High, Precast Concrete Leaching Pit	1,016.51	110.72
33 34 51 00-0003	EA	4' Diameter, 3' High, Precast Concrete Leaching Pit	1,434.09	157.27
33 34 51 00-0004	EA	6' Diameter, 3' High, Precast Concrete Leaching Pit	1,910.21	188.72
33 34 51 00-0005	EA	8' Diameter, 4' High, Precast Concrete Leaching Pit	3,107.20	314.53
33 34 51 00-0006	EA	10' Diameter, 4' High, Precast Concrete Leaching Pit	4,541.27	440.36

33 34 53 Distribution Chambers *(33 34)*

33 34 53 13 Drainage Field Concrete Distribution Chambers *(33 34 53)*

33 34 53 13-0001 Concrete Distribution Boxes *(33 34 53 13)*

Note: Includes internal and external coating.

33 34 53 13-0002	EA	3 Outlet Concrete Distribution Box	371.75	79.84
33 34 53 13-0003	EA	5 Outlet Concrete Distribution Box	432.49	95.80
33 34 53 13-0004	EA	8 Outlet Concrete Distribution Box	760.27	111.77
33 34 53 13-0005	EA	12 Outlet Concrete Distribution Box	1,503.81	191.61

33 34 53 13-0006 Leaching Field Chambers - Precast Concrete *(33 34 53 13)*

33 34 53 13-0007	EA	Standard Leaching Field Chamber 13' x 3'-7" x 1'-4"	1,207.74	98.62
33 34 53 13-0008	EA	Heavy-Duty Leaching Field Chamber 13' x 3'-9" x 1'-6"	1,474.39	134.47

33 34 53 33 Drainage Field Polyethylene Distribution Chambers *(33 34 53)*

33 34 53 33-0001 High-Density Polyethylene (HDPE) Leaching Field Chambers *(33 34 53 33)*

33 34 53 33-0002	LF	16" Wide x 11" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	23.05	6.16
33 34 53 33-0003	LF	22" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	29.84	6.67
33 34 53 33-0004	LF	34" Wide x 12" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	40.48	7.28
33 34 53 33-0005	LF	34" Wide x 16" High, High-Density Polyethylene (HDPE) Leaching Field Chamber	59.01	8.01

33 34 56 Drainage Field Dosing Chambers *(33 34)*

33 34 56 00-0001 Dosing Siphon *(33 34 56)*

33 34 56 00-0002	EA	Dosing Siphon With Electrical Connection And Solenoid Valve	6,153.01	
33 34 56 00-0003	EA	Solar Power Control For Dosing Siphon	4,212.07	
33 34 56 00-0004	EA	Electrical Power Control For Dosing Siphon	4,046.65	

33 40 Stormwater Utilities *(33)*

33 41 Subdrainage *(33 40)*

33 41 16 Subdrainage Piping *(33 41)*

33 41 16 13 Subdrainage Piping *(33 41 16)*

See CSI section 33 42 11 00-0209 for polyethylene drain pipe.

33 41 16 13-0001 Corrugated High-Density Polyethylene (HDPE) Drainage Piping *(33 41 16 13)*

33 41 16 13-0002 Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0001)*

Note: Excludes couplings and gaskets.

33 41 16 13-0003 Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 41 16 13-0002)*

33 41 16 13-0004	LF	4" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.38	5.18
		For <100, Add	*1.10*	
		For >1,000, Deduct	*-0.58*	
33 41 16 13-0005	LF	6" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.22	5.54
		For <100, Add	*1.24*	
		For >1,000, Deduct	*-0.69*	
33 41 16 13-0006	LF	8" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	10.56	5.82
		For <100, Add	*1.40*	
		For >1,000, Deduct	*-0.82*	
33 41 16 13-0007	LF	10" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	14.76	6.00
		For <100, Add	*1.64*	
		For >1,000, Deduct	*-1.04*	
33 41 16 13-0008	LF	12" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.49	6.56
		For <100, Add	*1.86*	
		For >1,000, Deduct	*-1.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0009	LF	15" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.31	7.40
		For <100, Add	*2.28*	
		For >1,000, Deduct	*-1.54*	
33 41 16 13-0010	LF	18" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.16	12.24
		For <100, Add	*3.69*	
		For >1,000, Deduct	*-2.47*	
33 41 16 13-0011	LF	24" Coupled, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	52.34	13.44
		For <100, Add	*4.63*	
		For >1,000, Deduct	*-3.29*	
33 41 16 13-0012		**Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Piping** *(33 41 16 13-0002)*		
33 41 16 13-0013	LF	4" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	6.21	5.18
		For <100, Add	*1.09*	
		For >1,000, Deduct	*-0.57*	
33 41 16 13-0014	LF	6" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	8.15	5.54
		For <100, Add	*1.24*	
		For >1,000, Deduct	*-0.68*	
33 41 16 13-0015	LF	8" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	13.82	5.82
		For <100, Add	*1.56*	
		For >1,000, Deduct	*-0.98*	
33 41 16 13-0016	LF	10" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.48	6.00
		For <100, Add	*1.72*	
		For >1,000, Deduct	*-1.12*	
33 41 16 13-0017	LF	12" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	19.37	6.56
		For <100, Add	*1.95*	
		For >1,000, Deduct	*-1.30*	
33 41 16 13-0018	LF	15" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	23.11	7.40
		For <100, Add	*2.27*	
		For >1,000, Deduct	*-1.53*	
33 41 16 13-0019	LF	18" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	35.92	12.24
		For <100, Add	*3.63*	
		For >1,000, Deduct	*-2.41*	
33 41 16 13-0020	LF	24" Coupled, Perforated, Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	50.38	13.44
		For <100, Add	*4.54*	
		For >1,000, Deduct	*-3.19*	
33 41 16 13-0021		**Single Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings** *(33 41 16 13-0001)*		
		Note: Excludes couplings and gaskets.		
33 41 16 13-0022		**Tees, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0023	EA	4" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	44.38	24.93
33 41 16 13-0024	EA	6" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	52.61	29.08
33 41 16 13-0025	EA	8" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	81.80	35.32
33 41 16 13-0026	EA	10" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	104.49	43.63
33 41 16 13-0027	EA	12" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	151.26	51.94
33 41 16 13-0028	EA	15" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	314.91	67.87
33 41 16 13-0029	EA	18" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	379.66	91.41
33 41 16 13-0030	EA	24" Tee, Single Wall, Corrugated High-Density Polyethylene (HDPE)	697.48	103.88
33 41 16 13-0031		**Wyes, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0032	EA	4" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	45.42	24.93
33 41 16 13-0033	EA	6" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	56.02	29.08
33 41 16 13-0034	EA	8" Wye, Single Wall, Corrugated High-Density Polyethylene (HDPE)	117.48	35.32
33 41 16 13-0035		**45 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0036	EA	4" 45 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	29.94	16.63
33 41 16 13-0037		**90 Degree Bends, Single Wall, Corrugated High-Density Polyethylene (HDPE)** *(33 41 16 13-0021)*		
33 41 16 13-0038	EA	4" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	31.04	16.63
33 41 16 13-0039	EA	6" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	39.48	19.39
33 41 16 13-0040	EA	8" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	57.08	23.55
33 41 16 13-0041	EA	10" 90 Degree Bend, Single Wall, Corrugated High-Density Polyethylene (HDPE)	74.63	29.08
33 41 16 13-0042		**Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729** *(33 41 16 13)*		
		Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF	3" Perforated Polyvinyl Chloride (PVC) Drainage Piping	6.88	4.23
		For <100, Add	*0.98*	
		For >1,000, Deduct	*-0.56*	
33 41 16 13-0044	LF	4" Perforated Polyvinyl Chloride (PVC) Drainage Piping	7.51	4.57
		For <100, Add	*1.06*	
		For >1,000, Deduct	*-0.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0045	LF	6" Perforated Polyvinyl Chloride (PVC) Drainage Piping	10.54	5.48
		For <100, Add	*1.35*	
		For >1,000, Deduct	*-0.80*	
33 41 16 13-0046	LF	8" Perforated Polyvinyl Chloride (PVC) Drainage Piping	16.30	6.85
		For <100, Add	*1.84*	
		For >1,000, Deduct	*-1.16*	
33 41 16 13-0047	LF	10" Perforated Polyvinyl Chloride (PVC) Drainage Piping	26.04	7.13
		For <100, Add	*2.37*	
		For >1,000, Deduct	*-1.66*	
33 41 16 13-0048	LF	12" Perforated Polyvinyl Chloride (PVC) Drainage Piping	33.10	7.78
		For <100, Add	*2.82*	
		For >1,000, Deduct	*-2.04*	
33 41 16 13-0049	LF	15" Perforated Polyvinyl Chloride (PVC) Drainage Piping	45.48	8.77
		For <100, Add	*3.59*	
		For >1,000, Deduct	*-2.71*	

33 41 16 13-0050 Perforated Non-Reinforced Concrete Drainage Piping, C444 *(33 41 16 13)*

33 41 16 13-0051	LF	6" Perforated Non-Reinforced Concrete Drainage Pipe	36.77	13.15
		For Extra Strength, Add	*2.11*	
		For >1,000, Deduct	*-1.84*	
33 41 16 13-0052	LF	8" Perforated Non-Reinforced Concrete Drainage Pipe	43.04	14.61
		For Extra Strength, Add	*2.60*	
		For >1,000, Deduct	*-2.15*	
33 41 16 13-0053	LF	10" Perforated Non-Reinforced Concrete Drainage Pipe	48.76	16.07
		For Extra Strength, Add	*3.03*	
		For >1,000, Deduct	*-2.44*	
33 41 16 13-0054	LF	12" Perforated Non-Reinforced Concrete Drainage Pipe	57.38	17.54
		For Extra Strength, Add	*3.80*	
		For >1,000, Deduct	*-2.87*	

33 41 16 13-0055 Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

Note: Bell and spigot or tongue and groove. With seals and gaskets.

33 41 16 13-0056	LF	6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	30.22	13.15
		For >1,000, Deduct	*-1.51*	
33 41 16 13-0057	LF	8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	33.43	14.61
		For >1,000, Deduct	*-1.67*	
33 41 16 13-0058	LF	10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	36.89	16.07
		For >1,000, Deduct	*-1.84*	
33 41 16 13-0059	LF	12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	42.20	16.70
		For >1,000, Deduct	*-2.11*	
33 41 16 13-0060	LF	15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	49.12	18.79
		For >1,000, Deduct	*-2.46*	
33 41 16 13-0061	LF	18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	60.77	24.00
		For >1,000, Deduct	*-3.04*	
33 41 16 13-0062	LF	21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	75.88	30.78
		For >1,000, Deduct	*-3.79*	
33 41 16 13-0063	LF	24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe	92.52	37.58
		For >1,000, Deduct	*-4.63*	

33 41 16 13-0064 Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654 *(33 41 16 13)*

33 41 16 13-0065	LF	6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	28.06	13.15
		For >1,000, Deduct	*-1.40*	
33 41 16 13-0066	LF	8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	35.83	14.61
		For >1,000, Deduct	*-1.79*	
33 41 16 13-0067	LF	10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	45.55	16.07
		For >1,000, Deduct	*-2.28*	
33 41 16 13-0068	LF	12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	55.47	17.54
		For >1,000, Deduct	*-2.77*	
33 41 16 13-0069	LF	15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	63.57	19.51
		For >1,000, Deduct	*-3.18*	
33 41 16 13-0070	LF	18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe	82.47	24.33
		For >1,000, Deduct	*-4.12*	

33 41 16 13-0071 Perforated Vitrified Clay Drainage Piping, C700 *(33 41 16 13)*

33 41 16 13-0072	LF	4" Perforated Vitrified Clay Drainage Pipe	27.54	14.61
33 41 16 13-0073	LF	6" Perforated Vitrified Clay Drainage Pipe	32.94	16.44
33 41 16 13-0074	LF	8" Perforated Vitrified Clay Drainage Pipe	37.67	16.44
33 41 16 13-0075	LF	10" Perforated Vitrified Clay Drainage Pipe	50.58	20.09
33 41 16 13-0076	LF	12" Perforated Vitrified Clay Drainage Pipe	60.19	21.92

33 41 16 13-0077 Geotextile Filter Fabric Sock *(33 41 16 13)*

33 41 16 13-0078	LF	3" Geotextile Filter Fabric Sock	0.86	
33 41 16 13-0079	LF	4" Geotextile Filter Fabric Sock	1.14	
33 41 16 13-0080	LF	6" Geotextile Filter Fabric Sock	1.72	
33 41 16 13-0081	LF	8" Geotextile Filter Fabric Sock	2.31	
33 41 16 13-0082	LF	10" Geotextile Filter Fabric Sock	3.48	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0083	LF	12" Geotextile Filter Fabric Sock	4.80	
33 41 16 13-0084	LF	15" Geotextile Filter Fabric Sock	5.78	
33 41 16 13-0085		Strip-Perforated, Galvanized, Corrugated Steel Pipe *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0086	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	25.81	6.26
		For Full Perforated, Add	*1.33*	
33 41 16 13-0087	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	32.68	7.59
		For Full Perforated, Add	*1.75*	
33 41 16 13-0088	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	41.21	9.64
		For Full Perforated, Add	*2.19*	
33 41 16 13-0089	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	45.71	11.39
		For Full Perforated, Add	*2.29*	
33 41 16 13-0090	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	52.41	11.78
		For Full Perforated, Add	*2.88*	
33 41 16 13-0091	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	59.26	12.22
		For Full Perforated, Add	*3.48*	
33 41 16 13-0092	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe	67.82	13.18
		For Full Perforated, Add	*4.15*	
33 41 16 13-0093		Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0094	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	27.94	6.26
		For Full Perforated, Add	*1.54*	
33 41 16 13-0095	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	35.57	7.59
		For Full Perforated, Add	*2.04*	
33 41 16 13-0096	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	44.74	9.64
		For Full Perforated, Add	*2.55*	
33 41 16 13-0097	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	49.15	11.39
		For Full Perforated, Add	*2.64*	
33 41 16 13-0098	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	56.66	11.78
		For Full Perforated, Add	*3.31*	
33 41 16 13-0099	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	64.30	12.22
		For Full Perforated, Add	*3.99*	
33 41 16 13-0100	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe	73.69	13.18
		For Full Perforated, Add	*4.73*	
33 41 16 13-0101		Strip-Perforated, Corrugated Aluminum Pipe *(33 41 16 13)*		
		Note: Perforations are located in the bottom quarter points of the pipe.		
33 41 16 13-0102	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	28.63	6.26
		For Full Perforated, Add	*1.61*	
33 41 16 13-0103	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	36.46	7.59
		For Full Perforated, Add	*2.13*	
33 41 16 13-0104	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	45.87	9.64
		For Full Perforated, Add	*2.66*	
33 41 16 13-0105	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	57.63	11.39
		For Full Perforated, Add	*3.49*	
33 41 16 13-0106	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	67.21	11.78
		For Full Perforated, Add	*4.36*	
33 41 16 13-0107	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	77.09	12.22
		For Full Perforated, Add	*5.27*	
33 41 16 13-0108	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe	88.60	13.18
		For Full Perforated, Add	*6.22*	
33 41 16 13-0109		Prefabricated Composite Drains *(33 41 16 13)*		
33 41 16 13-0110		Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) *(33 41 16 13-0109)*		
		Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.		
33 41 16 13-0111	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	11.73	2.40
		For External Typar Geotextile Wrap, Add	*2.17*	
33 41 16 13-0112	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.32	
33 41 16 13-0113	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	53.32	
33 41 16 13-0114	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.64	
33 41 16 13-0115	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	103.64	
33 41 16 13-0116	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	18.78	3.00
		For External Typar Geotextile Wrap, Add	*3.26*	
33 41 16 13-0117	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.15	
33 41 16 13-0118	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	79.15	
33 41 16 13-0119	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.29	
33 41 16 13-0120	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE)	136.29	
33 41 19		**Underslab Drainage** *(33 41)*		
33 41 19 13		**Underslab Drainage Piping** *(33 41 19)*		
33 41 19 13-0001		Capillary Water Barrier Underslab Drainage *(33 41 19 13)*		
		Note: Consists of a layer of fine granular material overlying a coarse layer.		
33 41 19 13-0002	CY	2" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	58.06	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 19 13-0003	CY	4" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	55.27	
33 41 19 13-0004	CY	6" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	54.16	
33 41 19 13-0005	CY	8" Stone Capillary Water Barrier (Compacted Thickness) Underslab Drainage	52.49	

33 42 Stormwater Conveyance *(33 40)*

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 42 11 Stormwater Gravity Piping *(33 42)*

33 42 11 00-0001 Reinforced Concrete Piping *(33 42 11)*

Note: Includes detectable tracer wire.

33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0003	LF	12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	55.24	17.54
		For >1,000, Deduct	*-2.76*	
		For Class 4, Add	*2.87*	
		For Class 5, Add	*6.04*	
33 42 11 00-0004	LF	15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	66.52	19.51
		For >1,000, Deduct	*-3.33*	
		For Class 4, Add	*3.67*	
		For Class 5, Add	*7.73*	
33 42 11 00-0005	LF	18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	75.42	24.33
		For >1,000, Deduct	*-3.77*	
		For Class 4, Add	*3.86*	
		For Class 5, Add	*8.13*	
33 42 11 00-0006	LF	21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	96.69	30.69
		For >1,000, Deduct	*-4.83*	
		For Class 4, Add	*5.02*	
		For Class 5, Add	*10.57*	
33 42 11 00-0007	LF	24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	113.02	37.26
		For >1,000, Deduct	*-5.65*	
		For Class 4, Add	*5.68*	
		For Class 5, Add	*11.96*	
33 42 11 00-0008	LF	27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	143.69	47.75
		For >1,000, Deduct	*-7.18*	
		For Class 4, Add	*7.17*	
		For Class 5, Add	*15.10*	
33 42 11 00-0009	LF	30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	152.91	49.30
		For >1,000, Deduct	*-7.65*	
		For Class 4, Add	*7.76*	
		For Class 5, Add	*16.33*	
33 42 11 00-0010	LF	36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	189.95	56.03
		For >1,000, Deduct	*-9.50*	
		For Class 4, Add	*10.52*	
		For Class 5, Add	*22.14*	
33 42 11 00-0011	LF	42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	247.38	61.64
		For >1,000, Deduct	*-12.37*	
		For Class 4, Add	*15.22*	
		For Class 5, Add	*32.04*	
33 42 11 00-0012	LF	48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	296.77	68.64
		For >1,000, Deduct	*-14.84*	
		For Class 4, Add	*18.88*	
		For Class 5, Add	*39.74*	
33 42 11 00-0013	LF	54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	370.08	78.44
		For >1,000, Deduct	*-18.50*	
		For Class 4, Add	*24.51*	
		For Class 5, Add	*51.60*	
33 42 11 00-0014	LF	60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	447.31	91.00
		For >1,000, Deduct	*-22.37*	
		For Class 4, Add	*30.15*	
		For Class 5, Add	*63.46*	
33 42 11 00-0015	LF	66" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	693.94	100.86
		For >1,000, Deduct	*-34.70*	
		For Class 4, Add	*52.30*	
		For Class 5, Add	*110.10*	
33 42 11 00-0016	LF	72" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	810.43	109.82
		For >1,000, Deduct	*-40.52*	
		For Class 4, Add	*62.09*	
		For Class 5, Add	*130.71*	
33 42 11 00-0017	LF	78" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	975.52	123.26
		For >1,000, Deduct	*-48.78*	
		For Class 4, Add	*75.91*	
		For Class 5, Add	*159.80*	
33 42 11 00-0018	LF	84" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets	1,259.05	137.28
		For >1,000, Deduct	*-62.95*	
		For Class 4, Add	*100.98*	
		For Class 5, Add	*212.59*	

33 42 11 00-0019 Concrete Reducing Wye Without Gaskets *(33 42 11 00-0001)*

33 42 11 00-0020	EA	12" Concrete Reducing Wye Without Gaskets	691.76	66.80
33 42 11 00-0021	EA	15" Concrete Reducing Wye Without Gaskets	829.39	81.40
33 42 11 00-0022	EA	18" Concrete Reducing Wye Without Gaskets	1,026.31	89.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0023	EA	21" Concrete Reducing Wye Without Gaskets	1,176.79	110.63
33 42 11 00-0024	EA	24" Concrete Reducing Wye Without Gaskets	1,328.88	133.59
33 42 11 00-0025		**Concrete Pipe Joint Gaskets** *(33 42 11 00-0001)*		
33 42 11 00-0026	EA	12" Diameter Concrete Pipe Joint Gasket	6.70	
33 42 11 00-0027	EA	15" Diameter Concrete Pipe Joint Gasket	7.92	
33 42 11 00-0028	EA	18" Diameter Concrete Pipe Joint Gasket	9.18	
33 42 11 00-0029	EA	21" Diameter Concrete Pipe Joint Gasket	11.09	
33 42 11 00-0030	EA	24" Diameter Concrete Pipe Joint Gasket	12.99	
33 42 11 00-0031	EA	27" Diameter Concrete Pipe Joint Gasket	14.48	
33 42 11 00-0032	EA	30" Diameter Concrete Pipe Joint Gasket	15.91	
33 42 11 00-0033	EA	36" Diameter Concrete Pipe Joint Gasket	19.44	
33 42 11 00-0034	EA	42" Diameter Concrete Pipe Joint Gasket	22.53	
33 42 11 00-0035	EA	48" Diameter Concrete Pipe Joint Gasket	25.99	
33 42 11 00-0036	EA	54" Diameter Concrete Pipe Joint Gasket	31.86	
33 42 11 00-0037	EA	60" Diameter Concrete Pipe Joint Gasket	47.16	
33 42 11 00-0038	EA	66" Diameter Concrete Pipe Joint Gasket	49.02	
33 42 11 00-0039	EA	72" Diameter Concrete Pipe Joint Gasket	50.83	
33 42 11 00-0040	EA	78" Diameter Concrete Pipe Joint Gasket	58.54	
33 42 11 00-0041	EA	84" Diameter Concrete Pipe Joint Gasket	70.17	
33 42 11 00-0042		**Precast Concrete Cut Off Wall** *(33 42 11 00-0001)*		
33 42 11 00-0043	EA	12" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	287.79	197.23
33 42 11 00-0044	EA	15" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	354.97	244.30
33 42 11 00-0045	EA	18" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	440.06	309.29
33 42 11 00-0046	EA	21" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	520.68	369.80
33 42 11 00-0047	EA	24" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	598.95	427.96
33 42 11 00-0048	EA	27" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	737.95	546.86
33 42 11 00-0049	EA	30" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	964.44	753.06
33 42 11 00-0050	EA	36" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,202.05	950.28
33 42 11 00-0051	EA	42" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,483.91	1,192.11
33 42 11 00-0052	EA	48" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,660.59	1,343.62
33 42 11 00-0053	EA	54" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	1,853.88	1,506.11
33 42 11 00-0054	EA	60" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,049.83	1,673.08
33 42 11 00-0055	EA	66" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,130.01	1,736.96
33 42 11 00-0056	EA	72" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,200.53	1,792.99
33 42 11 00-0057	EA	78" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,271.04	1,849.01
33 42 11 00-0058	EA	84" ID Pipe, 18" Thick, 36" High, Precast Concrete Cut Off Wall	2,343.38	1,905.05
33 42 11 00-0059		**Strap Assembly** *(33 42 11 00-0001)*		
		Note: Includes drilling holes in concrete pipe, setting threaded rod, bolts, and mounting the 12' strap.		
33 42 11 00-0060	EA	Up To 24" Diameter Pipe, 12' Strap Assembly	254.80	
33 42 11 00-0061	EA	>24" Diameter Pipe, 12' Strap Assembly	359.85	
33 42 11 00-0062		**Prestressed Concrete Cylinder Piping** *(33 42 11)*		
		Note: Includes detectable tracer wire.		
33 42 11 00-0063		**150 PSI Prestressed Concrete Cylinder Pipe And Fittings** *(33 42 11 00-0062)*		
33 42 11 00-0064		**150 PSI Prestressed Concrete Cylinder Pipe With Gaskets** *(33 42 11 00-0063)*		
		Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0065	LF	12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	155.13	17.54
		For >1,000, Deduct	*-7.76*	
		For 100 PSI, Deduct	*-32.52*	
33 42 11 00-0066	LF	15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	165.47	19.51
		For >1,000, Deduct	*-8.27*	
		For 100 PSI, Deduct	*-34.40*	
33 42 11 00-0067	LF	18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	179.89	24.33
		For >1,000, Deduct	*-8.99*	
		For 100 PSI, Deduct	*-36.29*	
33 42 11 00-0068	LF	21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	196.51	30.69
		For >1,000, Deduct	*-9.83*	
		For 100 PSI, Deduct	*-38.17*	
33 42 11 00-0069	LF	24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	213.42	37.26
		For >1,000, Deduct	*-10.67*	
		For 100 PSI, Deduct	*-40.05*	
33 42 11 00-0070	LF	30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	250.64	49.30
		For >1,000, Deduct	*-12.53*	
		For 100 PSI, Deduct	*-44.84*	
33 42 11 00-0071	LF	36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	277.77	56.03
		For >1,000, Deduct	*-13.89*	
		For 100 PSI, Deduct	*-49.64*	
33 42 11 00-0072	LF	42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	322.69	61.64
		For >1,000, Deduct	*-16.13*	
		For 100 PSI, Deduct	*-58.88*	
33 42 11 00-0073	LF	48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	370.54	68.64
		For >1,000, Deduct	*-18.53*	
		For 100 PSI, Deduct	*-68.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0074	LF	54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	490.09	88.11
		For >1,000, Deduct	*-24.50*	
		For 100 PSI, Deduct	*-91.06*	
33 42 11 00-0075	LF	60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	591.01	102.21
		For >1,000, Deduct	*-29.55*	
		For 100 PSI, Deduct	*-111.25*	
33 42 11 00-0076	LF	66" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	664.31	113.28
		For >1,000, Deduct	*-33.22*	
		For 100 PSI, Deduct	*-125.80*	
33 42 11 00-0077	LF	72" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	741.02	123.35
		For >1,000, Deduct	*-37.05*	
		For 100 PSI, Deduct	*-141.20*	
33 42 11 00-0078	LF	78" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	841.78	138.45
		For >1,000, Deduct	*-42.09*	
		For 100 PSI, Deduct	*-160.89*	
33 42 11 00-0079	LF	84" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	942.53	154.18
		For >1,000, Deduct	*-47.13*	
		For 100 PSI, Deduct	*-180.57*	
33 42 11 00-0080	LF	90" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,165.14	179.99
		For >1,000, Deduct	*-58.26*	
		For 100 PSI, Deduct	*-226.78*	
33 42 11 00-0081	LF	96" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,371.92	205.54
		For >1,000, Deduct	*-68.60*	
		For 100 PSI, Deduct	*-269.57*	
33 42 11 00-0082	LF	102" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,601.77	222.67
		For >1,000, Deduct	*-80.09*	
		For 100 PSI, Deduct	*-320.92*	
33 42 11 00-0083	LF	108" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	1,809.73	236.45
		For >1,000, Deduct	*-90.49*	
		For 100 PSI, Deduct	*-367.98*	
33 42 11 00-0084	LF	114" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,188.86	250.24
		For >1,000, Deduct	*-109.44*	
		For 100 PSI, Deduct	*-457.84*	
33 42 11 00-0085	LF	120" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,549.20	262.87
		For >1,000, Deduct	*-127.46*	
		For 100 PSI, Deduct	*-543.42*	
33 42 11 00-0086	LF	126" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	2,779.46	275.49
		For >1,000, Deduct	*-138.97*	
		For 100 PSI, Deduct	*-596.48*	
33 42 11 00-0087	LF	132" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,013.16	288.12
		For >1,000, Deduct	*-150.66*	
		For 100 PSI, Deduct	*-650.39*	
33 42 11 00-0088	LF	138" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,245.14	300.74
		For >1,000, Deduct	*-162.26*	
		For 100 PSI, Deduct	*-703.88*	
33 42 11 00-0089	LF	144" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets	3,477.11	313.36
		For >1,000, Deduct	*-173.86*	
		For 100 PSI, Deduct	*-757.36*	

33 42 11 00-0090 150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets *(33 42 11 00-0063)*

33 42 11 00-0091	EA	12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	503.33	164.38
33 42 11 00-0092	EA	15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	695.57	234.82
33 42 11 00-0093	EA	18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	893.19	313.09
33 42 11 00-0094	EA	21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,090.82	391.37
33 42 11 00-0095	EA	24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,322.87	486.34
33 42 11 00-0096	EA	30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,696.13	652.28
33 42 11 00-0097	EA	36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,116.25	784.43
33 42 11 00-0098	EA	42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,464.35	915.55
33 42 11 00-0099	EA	48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,773.02	1,045.54
33 42 11 00-0100	EA	54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,409.48	1,305.51
33 42 11 00-0101	EA	60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,439.77	1,762.09
33 42 11 00-0102	EA	66" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,947.05	1,950.89
33 42 11 00-0103	EA	72" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,454.34	2,139.69
33 42 11 00-0104	EA	78" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,599.60	2,454.34
33 42 11 00-0105	EA	84" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	7,737.91	2,769.00
33 42 11 00-0106	EA	90" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,174.11	3,146.59
33 42 11 00-0107	EA	96" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	10,603.36	3,524.19
33 42 11 00-0108	EA	102" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	14,190.10	4,476.70
33 42 11 00-0109	EA	108" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	17,705.65	5,372.04
33 42 11 00-0110	EA	114" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	22,990.71	7,162.72
33 42 11 00-0111	EA	120" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	28,191.02	8,953.40
33 42 11 00-0112	EA	126" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	31,862.89	9,656.88
33 42 11 00-0113	EA	132" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	35,539.49	10,360.36
33 42 11 00-0114	EA	138" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	46,645.31	11,063.84
33 42 11 00-0115	EA	144" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	42,968.75	11,767.32

33 42 11 00-0116 150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets *(33 42 11 00-0063)*

33 42 11 00-0117	EA	12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	468.41	164.38
33 42 11 00-0118	EA	15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	650.39	234.82
33 42 11 00-0119	EA	18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	839.79	313.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0120	EA	21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,029.20	391.37
33 42 11 00-0121	EA	24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,253.03	486.34
33 42 11 00-0122	EA	30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	1,600.29	608.45
33 42 11 00-0123	EA	36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,006.71	784.43
33 42 11 00-0124	EA	42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,337.70	915.55
33 42 11 00-0125	EA	48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	2,636.78	1,045.54
33 42 11 00-0126	EA	54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	3,216.17	1,305.51
33 42 11 00-0127	EA	60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,255.36	1,762.09
33 42 11 00-0128	EA	66" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	4,749.28	1,950.89
33 42 11 00-0129	EA	72" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	5,243.21	2,139.69
33 42 11 00-0130	EA	78" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,106.78	2,454.34
33 42 11 00-0131	EA	84" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	6,963.40	2,769.00
33 42 11 00-0132	EA	90" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	8,196.68	3,146.59
33 42 11 00-0133	EA	96" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	9,423.00	3,524.19
33 42 11 00-0134	EA	102" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	12,308.44	4,405.24
33 42 11 00-0135	EA	108" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	15,408.53	5,372.04
33 42 11 00-0136	EA	114" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	20,134.71	7,162.72
33 42 11 00-0137	EA	120" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	24,776.13	8,953.40
33 42 11 00-0138	EA	126" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	27,696.12	9,656.88
33 42 11 00-0139	EA	132" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	30,620.84	11,767.32
33 42 11 00-0140	EA	138" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	33,557.13	11,063.84
33 42 11 00-0141	EA	144" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping	36,839.23	11,767.32

33 42 11 00-0142 400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0062)*

33 42 11 00-0143 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0142)*

Note: AWWA C301

33 42 11 00-0144	LF	30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	295.66	49.30
		For >1,000, Deduct	*-14.78*	
33 42 11 00-0145	LF	36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	360.91	56.03
		For >1,000, Deduct	*-18.05*	
33 42 11 00-0146	LF	42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints	421.39	61.64
		For >1,000, Deduct	*-21.07*	

33 42 11 00-0147 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints *(33 42 11 00-0142)*

Note: AWWA C301

33 42 11 00-0148	LF	48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	568.80	68.58
		For >1,000, Deduct	*-28.44*	
33 42 11 00-0149	LF	54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	680.38	88.11
		For >1,000, Deduct	*-34.02*	
33 42 11 00-0150	LF	60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	784.30	102.21
		For >1,000, Deduct	*-39.22*	
33 42 11 00-0151	LF	66" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	883.17	113.28
		For >1,000, Deduct	*-44.16*	
33 42 11 00-0152	LF	72" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints	1,070.88	123.35
		For >1,000, Deduct	*-53.54*	

33 42 11 00-0153 Welded Joints For Prestressed Concrete Cylinder Pipe *(33 42 11 00-0142)*

Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.

33 42 11 00-0154	EA	30" Welded Joint For Prestressed Concrete Cylinder Pipe	2,270.57	
33 42 11 00-0155	EA	36" Welded Joint For Prestressed Concrete Cylinder Pipe	2,438.76	
33 42 11 00-0156	EA	42" Welded Joint For Prestressed Concrete Cylinder Pipe	2,522.85	
33 42 11 00-0157	EA	48" Welded Joint For Prestressed Concrete Cylinder Pipe	2,859.23	
33 42 11 00-0158	EA	54" Welded Joint For Prestressed Concrete Cylinder Pipe	2,943.33	
33 42 11 00-0159	EA	60" Welded Joint For Prestressed Concrete Cylinder Pipe	3,111.52	
33 42 11 00-0160	EA	66" Welded Joint For Prestressed Concrete Cylinder Pipe	3,195.61	
33 42 11 00-0161	EA	72" Welded Joint For Prestressed Concrete Cylinder Pipe	3,279.71	
33 42 11 00-0162	EA	30" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,204.75	
33 42 11 00-0163	EA	36" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,204.75	
33 42 11 00-0164	EA	42" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,793.42	
33 42 11 00-0165	EA	48" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	4,793.42	
33 42 11 00-0166	EA	54" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,129.80	
33 42 11 00-0167	EA	60" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,129.80	
33 42 11 00-0168	EA	66" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,550.27	
33 42 11 00-0169	EA	72" Internal Welded Joint For Prestressed Concrete Cylinder Pipe	5,550.27	

33 42 11 00-0170 Quick Test Joints *(33 42 11 00-0142)*

33 42 11 00-0171	EA	30" Quick Test Joint	636.78	
33 42 11 00-0172	EA	36" Quick Test Joint	642.38	
33 42 11 00-0173	EA	42" Quick Test Joint	647.99	
33 42 11 00-0174	EA	48" Quick Test Joint	661.13	
33 42 11 00-0175	EA	54" Quick Test Joint	690.57	
33 42 11 00-0176	EA	60" Quick Test Joint	715.70	
33 42 11 00-0177	EA	66" Quick Test Joint	753.38	
33 42 11 00-0178	EA	72" Quick Test Joint	791.08	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0179		Harnessed Joints *(33 42 11 00-0142)*		
33 42 11 00-0180		Harness Clamp Restrained Joints *(33 42 11 00-0179)*		
33 42 11 00-0181	EA	30" Harness Clamp Restrained Joint	12,501.46	
33 42 11 00-0182	EA	36" Harness Clamp Restrained Joint	12,984.43	
33 42 11 00-0183	EA	42" Harness Clamp Restrained Joint	13,467.42	
33 42 11 00-0184	EA	48" Harness Clamp Restrained Joint	13,950.40	
33 42 11 00-0185	EA	54" Harness Clamp Restrained Joint	14,447.19	
33 42 11 00-0186	EA	60" Harness Clamp Restrained Joint	15,175.83	
33 42 11 00-0187	EA	66" Harness Clamp Restrained Joint	15,665.79	
33 42 11 00-0188	EA	72" Harness Clamp Restrained Joint	16,776.36	
33 42 11 00-0189		Snap Ring Restrained Joints *(33 42 11 00-0179)*		
33 42 11 00-0190	EA	30" Snap Ring Restrained Joint	1,999.16	
33 42 11 00-0191	EA	36" Snap Ring Restrained Joint	2,291.19	
33 42 11 00-0192	EA	42" Snap Ring Restrained Joint	3,108.34	
33 42 11 00-0193	EA	48" Snap Ring Restrained Joint	3,543.58	
33 42 11 00-0194	EA	54" Snap Ring Restrained Joint	3,992.63	
33 42 11 00-0195	EA	60" Snap Ring Restrained Joint	4,530.32	
33 42 11 00-0196	EA	66" Snap Ring Restrained Joint	5,020.28	
33 42 11 00-0197	EA	72" Snap Ring Restrained Joint	5,605.73	
33 42 11 00-0198		Pipe Repairs *(33 42 11 00-0142)* Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0199		Lined Cylinder Pipe Repair *(33 42 11 00-0198)*		
33 42 11 00-0200	EA	30" Lined Cylinder Pipe Repair	6,479.40	
33 42 11 00-0201	EA	36" Lined Cylinder Pipe Repair	8,024.83	
33 42 11 00-0202	EA	42" Lined Cylinder Pipe Repair	11,268.49	
33 42 11 00-0203		Embedded Cylinder Pipe Repair *(33 42 11 00-0198)* Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0204	EA	48" Embedded Cylinder Pipe Repair	16,934.31	
33 42 11 00-0205	EA	54" Embedded Cylinder Pipe Repair	19,687.25	
33 42 11 00-0206	EA	60" Embedded Cylinder Pipe Repair	22,458.84	
33 42 11 00-0207	EA	66" Embedded Cylinder Pipe Repair	25,376.61	
33 42 11 00-0208	EA	72" Embedded Cylinder Pipe Repair	30,590.57	
33 42 11 00-0209		High-Density Polyethylene (HDPE) Drainage Piping *(33 42 11)* Note: Includes detectable tracer wire.		
33 42 11 00-0210		Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0209)* Note: Excludes couplings and gaskets.		
33 42 11 00-0211		Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0210)*		
33 42 11 00-0212	LF	4" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	16.42	7.23
		For <100, Add	*2.89*	
		For >1,000, Deduct	*-1.54*	
33 42 11 00-0213	LF	6" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.79	8.41
		For <100, Add	*3.36*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0214	LF	8" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.01	9.77
		For <100, Add	*3.91*	
		For >1,000, Deduct	*-2.33*	
33 42 11 00-0215	LF	10" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.00	10.12
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.56*	
33 42 11 00-0216	LF	12" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.63	10.48
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.68*	
33 42 11 00-0217	LF	15" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.35	10.84
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.95*	
33 42 11 00-0218	LF	18" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.85	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.42*	
33 42 11 00-0219	LF	24" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.55	13.17
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.49*	
33 42 11 00-0220	LF	30" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.44	17.72
		For <100, Add	*7.09*	
		For >1,000, Deduct	*-6.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0221	LF	36" Coupled, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.15	22.41
		For <100, Add	*8.96*	
		For >1,000, Deduct	*-8.20*	

33 42 11 00-0222 Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0210)*

33 42 11 00-0223	LF	12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.43	10.48
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.67*	
33 42 11 00-0224	LF	15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.18	10.84
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.99*	
33 42 11 00-0225	LF	18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.09	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.48*	
33 42 11 00-0226	LF	24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.51	13.17
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0227	LF	30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.80	17.72
		For <100, Add	*7.09*	
		For >1,000, Deduct	*-6.56*	
33 42 11 00-0228	LF	36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.13	22.41
		For <100, Add	*8.96*	
		For >1,000, Deduct	*-8.40*	
33 42 11 00-0229	LF	42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	161.96	24.44
		For <100, Add	*9.78*	
		For >1,000, Deduct	*-10.54*	
33 42 11 00-0230	LF	48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.33	27.57
		For <100, Add	*11.03*	
		For >1,000, Deduct	*-11.57*	

33 42 11 00-0231 Perforated, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0209)*

Note: Excludes couplings and gaskets.

33 42 11 00-0232 Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0231)*

33 42 11 00-0233	LF	4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	17.45	7.23
		For <100, Add	*2.89*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0234	LF	6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	21.83	8.41
		For <100, Add	*3.36*	
		For >1,000, Deduct	*-1.93*	
33 42 11 00-0235	LF	8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	27.01	9.77
		For <100, Add	*3.91*	
		For >1,000, Deduct	*-2.33*	
33 42 11 00-0236	LF	10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	31.03	10.12
		For <100, Add	*4.05*	
		For >1,000, Deduct	*-2.56*	
33 42 11 00-0237	LF	12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.63	10.48
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.68*	
33 42 11 00-0238	LF	15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	37.39	10.84
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.95*	
33 42 11 00-0239	LF	18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	45.88	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.42*	
33 42 11 00-0240	LF	24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	63.55	13.17
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.49*	
33 42 11 00-0241	LF	30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	90.78	17.72
		For <100, Add	*7.09*	
		For >1,000, Deduct	*-6.31*	
33 42 11 00-0242	LF	36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	119.15	22.41
		For <100, Add	*8.96*	
		For >1,000, Deduct	*-8.20*	

33 42 11 00-0243 Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Piping *(33 42 11 00-0231)*

33 42 11 00-0244	LF	12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	32.46	10.48
		For <100, Add	*4.19*	
		For >1,000, Deduct	*-2.67*	
33 42 11 00-0245	LF	15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	38.21	10.84
		For <100, Add	*4.34*	
		For >1,000, Deduct	*-2.99*	
33 42 11 00-0246	LF	18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	47.12	11.24
		For <100, Add	*4.50*	
		For >1,000, Deduct	*-3.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0247	LF	24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	65.51	13.17
		For <100, Add	*5.27*	
		For >1,000, Deduct	*-4.59*	
33 42 11 00-0248	LF	30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	95.80	17.72
		For <100, Add	*7.09*	
		For >1,000, Deduct	*-6.56*	
33 42 11 00-0249	LF	36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	123.13	22.41
		For <100, Add	*8.96*	
		For >1,000, Deduct	*-8.40*	
33 42 11 00-0250	LF	42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	161.96	24.44
		For <100, Add	*9.78*	
		For >1,000, Deduct	*-10.54*	
33 42 11 00-0251	LF	48" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe	176.33	27.57
		For <100, Add	*11.03*	
		For >1,000, Deduct	*-11.57*	

33 42 11 00-0252 Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0209)*

Note: Excludes couplings and gaskets.

33 42 11 00-0253 Tees, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0252)*

33 42 11 00-0254	EA	4" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	61.35	24.93
33 42 11 00-0255	EA	6" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	76.43	29.08
33 42 11 00-0256	EA	8" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	120.04	35.32
33 42 11 00-0257	EA	10" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	180.16	43.63
33 42 11 00-0258	EA	12" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	279.38	51.94
33 42 11 00-0259	EA	15" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	392.75	67.87
33 42 11 00-0260	EA	18" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	563.04	91.41
33 42 11 00-0261	EA	24" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	717.77	104.34
33 42 11 00-0262	EA	30" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,236.55	120.50
33 42 11 00-0263	EA	36" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,583.63	139.20
33 42 11 00-0264	EA	42" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	2,617.45	166.20
33 42 11 00-0265	EA	48" Tee, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	3,282.10	197.38

33 42 11 00-0266 Wyes, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0252)*

33 42 11 00-0267	EA	4" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	86.55	24.93
33 42 11 00-0268	EA	6" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	104.09	29.08
33 42 11 00-0269	EA	8" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	137.51	35.32
33 42 11 00-0270	EA	10" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	199.40	43.63
33 42 11 00-0271	EA	12" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	341.32	51.94
33 42 11 00-0272	EA	15" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	373.75	67.87
33 42 11 00-0273	EA	18" Wye, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	526.08	91.41

33 42 11 00-0274 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0252)*

33 42 11 00-0275	EA	4" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	37.73	16.63
33 42 11 00-0276	EA	6" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	46.23	19.39
33 42 11 00-0277	EA	8" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	66.05	23.55
33 42 11 00-0278	EA	10" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	82.97	29.08
33 42 11 00-0279	EA	12" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	118.14	34.63
33 42 11 00-0280	EA	15" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	183.58	44.32
33 42 11 00-0281	EA	18" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	243.96	60.95
33 42 11 00-0282	EA	24" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	449.29	69.25
33 42 11 00-0283	EA	30" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	619.58	80.33
33 42 11 00-0284	EA	36" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	725.67	92.80
33 42 11 00-0285	EA	42" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	925.08	110.80
33 42 11 00-0286	EA	48" 22-1/2 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,245.22	131.57

33 42 11 00-0287 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE) *(33 42 11 00-0252)*

33 42 11 00-0288	EA	4" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	40.49	16.63
33 42 11 00-0289	EA	6" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	51.98	19.39
33 42 11 00-0290	EA	8" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	68.99	23.55
33 42 11 00-0291	EA	10" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	106.83	29.08
33 42 11 00-0292	EA	12" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	118.14	34.63
33 42 11 00-0293	EA	15" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	183.11	44.32
33 42 11 00-0294	EA	18" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	282.44	60.95
33 42 11 00-0295	EA	24" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	479.02	69.25
33 42 11 00-0296	EA	30" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	621.00	80.33
33 42 11 00-0297	EA	36" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	789.75	92.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0298	EA	42" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,172.38	110.80
33 42 11 00-0299	EA	48" 45 Degree Bend, Smooth Interior, Double Wall, Corrugated High-Density Polyethylene (HDPE)	1,466.87	131.57

33 42 11 00-0300 Couplings And End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe Fittings *(33 42 11 00-0209)*

Note: For single and double wall high-density polyethylene (HDPE) piping.

33 42 11 00-0301 Couplings, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0300)*

33 42 11 00-0302	EA	4" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	1.64
33 42 11 00-0303	EA	6" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	2.95
33 42 11 00-0304	EA	8" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	4.54
33 42 11 00-0305	EA	10" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	5.59
33 42 11 00-0306	EA	12" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	6.01
33 42 11 00-0307	EA	15" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	8.55
33 42 11 00-0308	EA	18" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	12.66
33 42 11 00-0309	EA	24" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	20.15
33 42 11 00-0310	EA	30" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	30.93
33 42 11 00-0311	EA	36" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	40.48
33 42 11 00-0312	EA	42" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	63.63
33 42 11 00-0313	EA	48" Coupling, Corrugated High-Density Polyethylene (HDPE) Pipe	86.06

33 42 11 00-0314 Self-Adhering Gaskets, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0300)*

33 42 11 00-0315	EA	4" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	87.14
33 42 11 00-0316	EA	6" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	91.24
33 42 11 00-0317	EA	8" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	95.53
33 42 11 00-0318	EA	10" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	100.02
33 42 11 00-0319	EA	12" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	118.63
33 42 11 00-0320	EA	15" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	122.49
33 42 11 00-0321	EA	18" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	127.75
33 42 11 00-0322	EA	24" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	145.52
33 42 11 00-0323	EA	30" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	233.27
33 42 11 00-0324	EA	36" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	255.51
33 42 11 00-0325	EA	42" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	278.40
33 42 11 00-0326	EA	48" Self-Adhering Gasket, Corrugated High-Density Polyethylene (HDPE) Pipe	338.12

33 42 11 00-0327 End Caps, Corrugated High-Density Polyethylene (HDPE) Pipe *(33 42 11 00-0300)*

33 42 11 00-0328	EA	6" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	35.04
33 42 11 00-0329	EA	8" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	41.08
33 42 11 00-0330	EA	10" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	66.25
33 42 11 00-0331	EA	12" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	112.34
33 42 11 00-0332	EA	15" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	130.64
33 42 11 00-0333	EA	18" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	176.42
33 42 11 00-0334	EA	24" End Cap For Corrugated High-Density Polyethylene (HDPE) Pipe	182.90

33 42 11 00-0335 Vitrified Clay Piping *(33 42 11)*

33 42 11 00-0336 Extra Strength Vitrified Clay Piping *(33 42 11 00-0335)*

33 42 11 00-0337 Plain Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0336)*

Note: ASTM C700.

33 42 11 00-0338	LF	4" Plain Joint, Extra Strength, Vitrified Clay Pipe	22.61
		For 3' Lengths, Add	*2.02*
		For 2' Lengths, Add	*2.69*
		For Standard Strength, Deduct	*-0.67*
		For >1,000, Deduct	*-1.13*
33 42 11 00-0339	LF	6" Plain Joint, Extra Strength, Vitrified Clay Pipe	37.54
		For 3' Lengths, Add	*3.14*
		For 2' Lengths, Add	*4.18*
		For Standard Strength, Deduct	*-1.05*
		For >1,000, Deduct	*-1.88*
33 42 11 00-0340	LF	8" Plain Joint, Extra Strength, Vitrified Clay Pipe	45.03
		For 3' Lengths, Add	*4.48*
		For 2' Lengths, Add	*5.98*
		For Standard Strength, Deduct	*-1.49*
		For >1,000, Deduct	*-2.25*
33 42 11 00-0341	LF	10" Plain Joint, Extra Strength, Vitrified Clay Pipe	54.19
		For 3' Lengths, Add	*6.86*
		For 2' Lengths, Add	*9.15*
		For Standard Strength, Deduct	*-2.29*
		For >1,000, Deduct	*-2.71*
33 42 11 00-0342	LF	12" Plain Joint, Extra Strength, Vitrified Clay Pipe	66.45
		For 3' Lengths, Add	*9.69*
		For 2' Lengths, Add	*12.92*
		For Standard Strength, Deduct	*-3.23*
		For >1,000, Deduct	*-3.32*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0343	LF	15" Plain Joint, Extra Strength, Vitrified Clay Pipe	98.57	
		For 3' Lengths, Add	*18.17*	
		For 2' Lengths, Add	*24.22*	
		For Standard Strength, Deduct	*-6.06*	
		For >1,000, Deduct	*-4.93*	
33 42 11 00-0344	LF	18" Plain Joint, Extra Strength, Vitrified Clay Pipe	134.20	
		For 3' Lengths, Add	*26.04*	
		For 2' Lengths, Add	*34.72*	
		For Standard Strength, Deduct	*-8.68*	
		For >1,000, Deduct	*-6.71*	
33 42 11 00-0345	LF	21" Plain Joint, Extra Strength, Vitrified Clay Pipe	198.84	
		For 3' Lengths, Add	*41.72*	
		For 2' Lengths, Add	*55.62*	
		For Standard Strength, Deduct	*-13.91*	
		For >1,000, Deduct	*-9.94*	
33 42 11 00-0346	LF	24" Plain Joint, Extra Strength, Vitrified Clay Pipe	254.25	
		For 3' Lengths, Add	*54.50*	
		For 2' Lengths, Add	*72.67*	
		For Standard Strength, Deduct	*-18.17*	
		For >1,000, Deduct	*-12.71*	
33 42 11 00-0347	LF	30" Plain Joint, Extra Strength, Vitrified Clay Pipe	314.66	
		For 3' Lengths, Add	*67.96*	
		For 2' Lengths, Add	*90.61*	
		For Standard Strength, Deduct	*-22.65*	
		For >1,000, Deduct	*-15.73*	
33 42 11 00-0348	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe	380.65	
		For 3' Lengths, Add	*82.09*	
		For 2' Lengths, Add	*109.45*	
		For Standard Strength, Deduct	*-27.36*	
		For >1,000, Deduct	*-19.03*	

33 42 11 00-0349 Compression Joint, Extra Strength, Vitrified Clay Piping *(33 42 11 00-0336)*

Note: ASTM C425.

33 42 11 00-0350	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe	32.01	
		For 3' Lengths, Add	*2.38*	
		For 2' Lengths, Add	*3.18*	
		For Standard Strength, Deduct	*-0.79*	
		For >1,000, Deduct	*-1.60*	
33 42 11 00-0351	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe	40.05	
		For 3' Lengths, Add	*3.89*	
		For 2' Lengths, Add	*5.18*	
		For Standard Strength, Deduct	*-1.30*	
		For >1,000, Deduct	*-2.00*	
33 42 11 00-0352	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe	48.39	
		For 3' Lengths, Add	*5.49*	
		For 2' Lengths, Add	*7.32*	
		For Standard Strength, Deduct	*-1.83*	
		For >1,000, Deduct	*-2.42*	
33 42 11 00-0353	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe	61.36	
		For 3' Lengths, Add	*9.02*	
		For 2' Lengths, Add	*12.02*	
		For Standard Strength, Deduct	*-3.01*	
		For >1,000, Deduct	*-3.07*	
33 42 11 00-0354	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe	73.62	
		For 3' Lengths, Add	*11.84*	
		For 2' Lengths, Add	*15.79*	
		For Standard Strength, Deduct	*-3.95*	
		For >1,000, Deduct	*-3.68*	
33 42 11 00-0355	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe	110.01	
		For 3' Lengths, Add	*21.60*	
		For 2' Lengths, Add	*28.80*	
		For Standard Strength, Deduct	*-7.20*	
		For >1,000, Deduct	*-5.50*	
33 42 11 00-0356	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe	152.81	
		For 3' Lengths, Add	*31.62*	
		For 2' Lengths, Add	*42.16*	
		For Standard Strength, Deduct	*-10.54*	
		For >1,000, Deduct	*-7.64*	
33 42 11 00-0357	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe	220.15	
		For 3' Lengths, Add	*48.11*	
		For 2' Lengths, Add	*64.15*	
		For Standard Strength, Deduct	*-16.04*	
		For >1,000, Deduct	*-11.01*	
33 42 11 00-0358	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe	287.90	
		For 3' Lengths, Add	*64.60*	
		For 2' Lengths, Add	*86.13*	
		For Standard Strength, Deduct	*-21.53*	
		For >1,000, Deduct	*-14.40*	
33 42 11 00-0359	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe	462.69	
		For 3' Lengths, Add	*112.37*	
		For 2' Lengths, Add	*149.82*	
		For Standard Strength, Deduct	*-37.46*	
		For >1,000, Deduct	*-23.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0360	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe	658.77	
		For 3' Lengths, Add	*165.53*	
		For 2' Lengths, Add	*220.70*	
		For Standard Strength, Deduct	*-55.18*	
		For >1,000, Deduct	*-32.94*	

33 42 11 00-0361 Extra Strength, Vitrified Clay Pipe Fittings *(33 42 11 00-0335)*

33 42 11 00-0362 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0361)*

33 42 11 00-0363 Plain End 1/8 Bend, Extra Strength, Vitrified Clay *(33 42 11 00-0362)*

33 42 11 00-0364	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	95.68
33 42 11 00-0365	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	129.60
33 42 11 00-0366	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	186.06
33 42 11 00-0367	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	256.68
33 42 11 00-0368	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	339.94
33 42 11 00-0369	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	817.88
33 42 11 00-0370	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,154.44
33 42 11 00-0371	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	1,803.17
33 42 11 00-0372	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,080.64
33 42 11 00-0373	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	2,415.24
33 42 11 00-0374	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay	3,628.21

33 42 11 00-0375 Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0362)*

33 42 11 00-0376	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	107.99
33 42 11 00-0377	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	154.25
33 42 11 00-0378	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	209.66
33 42 11 00-0379	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	281.94
33 42 11 00-0380	EA	12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	358.57
33 42 11 00-0381	EA	15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	917.10
33 42 11 00-0382	EA	18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,335.49
33 42 11 00-0383	EA	21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	1,371.15
33 42 11 00-0384	EA	24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,665.31
33 42 11 00-0385	EA	30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	2,966.75
33 42 11 00-0386	EA	36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay	4,411.34

33 42 11 00-0387 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0361)*

33 42 11 00-0388 Plain End 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0387)*

33 42 11 00-0389	EA	4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	111.57
33 42 11 00-0390	EA	6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	148.75
33 42 11 00-0391	EA	8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	208.45
33 42 11 00-0392	EA	10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	280.92
33 42 11 00-0393	EA	12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	367.26
33 42 11 00-0394	EA	15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	848.28
33 42 11 00-0395	EA	18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,192.34
33 42 11 00-0396	EA	21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	1,851.00
33 42 11 00-0397	EA	24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,138.71
33 42 11 00-0398	EA	30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	2,487.66
33 42 11 00-0399	EA	36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay	3,708.71

33 42 11 00-0400 Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay *(33 42 11 00-0387)*

33 42 11 00-0401	EA	4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	127.05
33 42 11 00-0402	EA	6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	177.22
33 42 11 00-0403	EA	8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	236.53
33 42 11 00-0404	EA	10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	311.04
33 42 11 00-0405	EA	12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	391.36
33 42 11 00-0406	EA	15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	953.58
33 42 11 00-0407	EA	18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	1,380.99
33 42 11 00-0408	EA	21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,685.81
33 42 11 00-0409	EA	24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	2,735.00
33 42 11 00-0410	EA	30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	3,053.65
33 42 11 00-0411	EA	36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay	4,507.94

33 42 11 00-0412 Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0361)*

33 42 11 00-0413 Plain End Wyes Or Tees, Extra Strength, Vitrified Clay *(33 42 11 00-0412)*

33 42 11 00-0414	EA	4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	122.13
33 42 11 00-0415	EA	6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	159.83
33 42 11 00-0416	EA	8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	218.10
33 42 11 00-0417	EA	10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	289.34
33 42 11 00-0418	EA	12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	366.65
33 42 11 00-0419	EA	15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	855.31
33 42 11 00-0420	EA	18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,198.10
33 42 11 00-0421	EA	21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	1,732.84
33 42 11 00-0422	EA	24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,413.56
33 42 11 00-0423	EA	30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	2,551.64

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0424	EA	36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay	3,675.79	
33 42 11 00-0425		**Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay** *(33 42 11 00-0412)*		
33 42 11 00-0426	EA	4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	149.30	
33 42 11 00-0427	EA	6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	205.51	
33 42 11 00-0428	EA	8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	271.45	
33 42 11 00-0429	EA	10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	352.29	
33 42 11 00-0430	EA	12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	440.41	
33 42 11 00-0431	EA	15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,040.54	
33 42 11 00-0432	EA	18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	1,501.42	
33 42 11 00-0433	EA	21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,231.62	
33 42 11 00-0434	EA	24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	2,958.19	
33 42 11 00-0435	EA	30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay	3,420.26	
33 42 11 00-0436	EA	36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee	4,862.12	
33 42 11 00-0437		**Vitrified Clay Couplings** *(33 42 11 00-0335)*		
33 42 11 00-0438		**Vitrified Clay To Cast Iron Or Plastic Pipe Couplings** *(33 42 11 00-0437)*		
		Note: Stainless steel tightening band at each end (Fernco #1002)		
33 42 11 00-0439	EA	4" x 3" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	37.18	
33 42 11 00-0440	EA	4" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	36.84	
33 42 11 00-0441	EA	5" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	50.34	
33 42 11 00-0442	EA	5" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	47.56	
33 42 11 00-0443	EA	6" x 4" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	61.31	
33 42 11 00-0444	EA	6" x 5" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	63.72	
33 42 11 00-0445	EA	6" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	58.40	
33 42 11 00-0446	EA	8" x 6" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	83.75	
33 42 11 00-0447	EA	8" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	77.66	
33 42 11 00-0448	EA	10" x 8" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	109.06	
33 42 11 00-0449	EA	10" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	99.65	
33 42 11 00-0450	EA	12" x 10" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	135.08	
33 42 11 00-0451	EA	12" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	113.48	
33 42 11 00-0452	EA	15" x 12" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	226.61	
33 42 11 00-0453	EA	15" x 15" Vitrified Clay To Cast Iron Or Plastic Pipe Coupling	175.11	
33 42 11 00-0454		**Vitrified Clay To Vitrified Clay Pipe Non-Shear Couplings** *(33 42 11 00-0437)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0455	EA	4" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	75.82	
33 42 11 00-0456	EA	6" x 4" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	101.06	
33 42 11 00-0457	EA	6" x 6" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	106.91	
33 42 11 00-0458	EA	8" x 8" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	112.08	
33 42 11 00-0459	EA	10" x 10" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	138.51	
33 42 11 00-0460	EA	12" x 12" Vitrified Clay To Vitrified Clay Pipe Non-Shear Coupling	160.78	
33 42 11 00-0461		**Vitrified Clay To Plastic Pipe Non-Shear Couplings** *(33 42 11 00-0437)*		
		Note: Stainless steel tightening band at each end. (NDS Non-shear)		
33 42 11 00-0462	EA	4" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	77.78	
33 42 11 00-0463	EA	6" x 4" Vitrified Clay To Plastic Pipe Non-Shear Coupling	103.02	
33 42 11 00-0464	EA	6" x 6" Vitrified Clay To Plastic Pipe Non-Shear Coupling	94.30	
33 42 11 00-0465	EA	8" x 8" Vitrified Clay To Plastic Pipe Non-Shear Coupling	123.81	
33 42 11 00-0466	EA	10" x 10" Vitrified Clay To Plastic Pipe Non-Shear Coupling	179.56	
33 42 11 00-0467	EA	12" x 12" Vitrified Clay To Plastic Pipe Non-Shear Coupling	202.94	
33 42 11 00-0468		**Corrugated Metal Piping** *(33 42 11)*		
33 42 11 00-0469		**Galvanized Corrugated Steel Piping** *(33 42 11 00-0468)*		
33 42 11 00-0470		**2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0469)*		
33 42 11 00-0471		**16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0470)*		
33 42 11 00-0472	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	42.58	10.95
		For Bituminous Coated Pipe, Add	*4.79*	
		For Bituminous Coated And 25% Paved, Add	*9.81*	
		For Smooth-Flo, Add	*17.51*	
33 42 11 00-0473	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	48.52	11.48
		For Bituminous Coated Pipe, Add	*6.04*	
		For Bituminous Coated And 25% Paved, Add	*12.35*	
		For Smooth-Flo, Add	*22.05*	
33 42 11 00-0474	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	54.65	12.53
		For Bituminous Coated Pipe, Add	*7.31*	
		For Bituminous Coated And 25% Paved, Add	*14.95*	
		For Smooth-Flo, Add	*26.71*	
33 42 11 00-0475	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	62.51	13.57
		For Bituminous Coated Pipe, Add	*8.75*	
		For Bituminous Coated And 25% Paved, Add	*17.89*	
		For Smooth-Flo, Add	*31.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0476	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	69.30	14.61
		For Bituminous Coated Pipe, Add	*9.84*	
		For Bituminous Coated And 25% Paved, Add	*20.13*	
		For Smooth-Flo, Add	*35.95*	
33 42 11 00-0477	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	91.29	18.79
		For Bituminous Coated Pipe, Add	*12.77*	
		For Bituminous Coated And 25% Paved, Add	*26.12*	
		For Smooth-Flo, Add	*46.64*	
33 42 11 00-0478	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	118.85	24.66
		For Bituminous Coated Pipe, Add	*16.11*	
		For Bituminous Coated And 25% Paved, Add	*32.94*	
		For Smooth-Flo, Add	*58.83*	
33 42 11 00-0479	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	135.79	29.14
		For Bituminous Coated Pipe, Add	*19.06*	
		For Bituminous Coated And 25% Paved, Add	*38.98*	
		For Smooth-Flo, Add	*69.62*	
33 42 11 00-0480	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	152.56	33.62
		For Bituminous Coated Pipe, Add	*21.34*	
		For Bituminous Coated And 25% Paved, Add	*43.66*	
		For Smooth-Flo, Add	*77.97*	
33 42 11 00-0481		14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0470)*		
33 42 11 00-0482	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	46.86	10.95
		For Bituminous Coated Pipe, Add	*4.87*	
		For Bituminous Coated And 25% Paved, Add	*11.27*	
		For Smooth-Flo, Add	*22.79*	
33 42 11 00-0483	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	53.79	11.48
		For Bituminous Coated Pipe, Add	*6.10*	
		For Bituminous Coated And 25% Paved, Add	*14.14*	
		For Smooth-Flo, Add	*28.58*	
33 42 11 00-0484	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	61.03	12.53
		For Bituminous Coated Pipe, Add	*7.39*	
		For Bituminous Coated And 25% Paved, Add	*17.12*	
		For Smooth-Flo, Add	*34.61*	
33 42 11 00-0485	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	69.87	13.57
		For Bituminous Coated Pipe, Add	*8.79*	
		For Bituminous Coated And 25% Paved, Add	*20.36*	
		For Smooth-Flo, Add	*41.15*	
33 42 11 00-0486	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	77.86	14.61
		For Bituminous Coated Pipe, Add	*9.94*	
		For Bituminous Coated And 25% Paved, Add	*23.04*	
		For Smooth-Flo, Add	*46.57*	
33 42 11 00-0487	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	101.75	18.79
		For Bituminous Coated Pipe, Add	*12.77*	
		For Bituminous Coated And 25% Paved, Add	*29.59*	
		For Smooth-Flo, Add	*59.81*	
33 42 11 00-0488	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	131.54	24.66
		For Bituminous Coated Pipe, Add	*16.01*	
		For Bituminous Coated And 25% Paved, Add	*37.08*	
		For Smooth-Flo, Add	*74.96*	
33 42 11 00-0489	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	150.32	29.14
		For Bituminous Coated Pipe, Add	*18.84*	
		For Bituminous Coated And 25% Paved, Add	*43.66*	
		For Smooth-Flo, Add	*88.24*	
33 42 11 00-0490	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	169.19	33.62
		For Bituminous Coated Pipe, Add	*21.18*	
		For Bituminous Coated And 25% Paved, Add	*49.06*	
		For Smooth-Flo, Add	*99.17*	
33 42 11 00-0491	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	202.75	38.10
		For Bituminous Coated Pipe, Add	*26.04*	
		For Bituminous Coated And 25% Paved, Add	*60.33*	
		For Smooth-Flo, Add	*121.96*	
33 42 11 00-0492		12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0470)*		
33 42 11 00-0493	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	74.22	12.53
		For Bituminous Coated Pipe, Add	*8.46*	
		For Bituminous Coated And 25% Paved, Add	*15.28*	
		For Smooth-Flo, Add	*29.37*	
33 42 11 00-0494	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	85.21	13.57
		For Bituminous Coated Pipe, Add	*10.00*	
		For Bituminous Coated And 25% Paved, Add	*18.06*	
		For Smooth-Flo, Add	*34.72*	
33 42 11 00-0495	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	95.33	13.57
		For Bituminous Coated Pipe, Add	*11.34*	
		For Bituminous Coated And 25% Paved, Add	*20.48*	
		For Smooth-Flo, Add	*39.35*	
33 42 11 00-0496	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	123.35	18.79
		For Bituminous Coated Pipe, Add	*14.42*	
		For Bituminous Coated And 25% Paved, Add	*26.04*	
		For Smooth-Flo, Add	*50.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0497	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	157.18	24.66
		For Bituminous Coated Pipe, Add	*17.83*	
		For Bituminous Coated And 25% Paved, Add	*32.20*	
		For Smooth-Flo, Add	*61.88*	
33 42 11 00-0498	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	179.94	29.14
		For Bituminous Coated Pipe, Add	*20.89*	
		For Bituminous Coated And 25% Paved, Add	*37.73*	
		For Smooth-Flo, Add	*72.51*	
33 42 11 00-0499	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	203.14	33.62
		For Bituminous Coated Pipe, Add	*23.59*	
		For Bituminous Coated And 25% Paved, Add	*42.61*	
		For Smooth-Flo, Add	*81.88*	
33 42 11 00-0500	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	240.23	38.10
		For Bituminous Coated Pipe, Add	*28.29*	
		For Bituminous Coated And 25% Paved, Add	*51.08*	
		For Smooth-Flo, Add	*98.18*	
33 42 11 00-0501	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	262.68	40.34
		For Bituminous Coated Pipe, Add	*30.98*	
		For Bituminous Coated And 25% Paved, Add	*55.94*	
		For Smooth-Flo, Add	*107.52*	
33 42 11 00-0502	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	318.39	49.30
		For Bituminous Coated Pipe, Add	*37.71*	
		For Bituminous Coated And 25% Paved, Add	*68.11*	
		For Smooth-Flo, Add	*130.89*	
33 42 11 00-0503		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0470)*		
33 42 11 00-0504	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	181.17	24.66
		For Bituminous Coated Pipe, Add	*22.68*	
		For Bituminous Coated And 25% Paved, Add	*37.89*	
		For Smooth-Flo, Add	*54.06*	
33 42 11 00-0505	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	208.01	29.14
		For Bituminous Coated Pipe, Add	*26.57*	
		For Bituminous Coated And 25% Paved, Add	*44.39*	
		For Smooth-Flo, Add	*63.33*	
33 42 11 00-0506	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	234.99	33.62
		For Bituminous Coated Pipe, Add	*30.03*	
		For Bituminous Coated And 25% Paved, Add	*50.17*	
		For Smooth-Flo, Add	*71.58*	
33 42 11 00-0507	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	275.92	38.10
		For Bituminous Coated Pipe, Add	*35.57*	
		For Bituminous Coated And 25% Paved, Add	*59.41*	
		For Smooth-Flo, Add	*84.78*	
33 42 11 00-0508	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	302.40	40.34
		For Bituminous Coated Pipe, Add	*39.06*	
		For Bituminous Coated And 25% Paved, Add	*65.25*	
		For Smooth-Flo, Add	*93.11*	
33 42 11 00-0509	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	362.05	49.30
		For Bituminous Coated Pipe, Add	*46.73*	
		For Bituminous Coated And 25% Paved, Add	*78.06*	
		For Smooth-Flo, Add	*111.38*	
33 42 11 00-0510	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe	427.69	71.72
		For Bituminous Coated Pipe, Add	*50.17*	
		For Bituminous Coated And 25% Paved, Add	*83.81*	
		For Smooth-Flo, Add	*119.59*	
33 42 11 00-0511		3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0469)*		
33 42 11 00-0512		16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0511)*		
33 42 11 00-0513	LF	36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	140.85	24.66
		For Bituminous Coated Pipe, Add	*17.71*	
		For Bituminous Coated And 25% Paved, Add	*40.20*	
		For Smooth-Flo, Add	*80.05*	
33 42 11 00-0514	LF	42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	161.02	29.14
		For Bituminous Coated Pipe, Add	*20.80*	
		For Bituminous Coated And 25% Paved, Add	*47.21*	
		For Smooth-Flo, Add	*94.00*	
33 42 11 00-0515	LF	48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	180.99	33.62
		For Bituminous Coated Pipe, Add	*23.33*	
		For Bituminous Coated And 25% Paved, Add	*52.95*	
		For Smooth-Flo, Add	*105.43*	
33 42 11 00-0516	LF	54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	216.29	38.10
		For Bituminous Coated Pipe, Add	*28.49*	
		For Bituminous Coated And 25% Paved, Add	*64.68*	
		For Smooth-Flo, Add	*128.78*	
33 42 11 00-0517	LF	60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	235.65	40.34
		For Bituminous Coated Pipe, Add	*31.04*	
		For Bituminous Coated And 25% Paved, Add	*70.46*	
		For Smooth-Flo, Add	*140.30*	
33 42 11 00-0518	LF	66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	295.89	49.30
		For Bituminous Coated Pipe, Add	*39.87*	
		For Bituminous Coated And 25% Paved, Add	*90.50*	
		For Smooth-Flo, Add	*180.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0519	LF	72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	355.11	71.72
		For Bituminous Coated Pipe, Add	*42.50*	
		For Bituminous Coated And 25% Paved, Add	*96.47*	
		For Smooth-Flo, Add	*192.09*	
33 42 11 00-0520	LF	78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	382.57	78.44
		For Bituminous Coated Pipe, Add	*45.14*	
		For Bituminous Coated And 25% Paved, Add	*102.46*	
		For Smooth-Flo, Add	*204.01*	
33 42 11 00-0521	LF	84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	406.98	84.04
		For Bituminous Coated Pipe, Add	*47.78*	
		For Bituminous Coated And 25% Paved, Add	*108.45*	
		For Smooth-Flo, Add	*215.95*	
33 42 11 00-0522	LF	90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	431.42	89.65
		For Bituminous Coated Pipe, Add	*50.42*	
		For Bituminous Coated And 25% Paved, Add	*114.46*	
		For Smooth-Flo, Add	*227.92*	
33 42 11 00-0523	LF	96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	456.59	95.25
		For Bituminous Coated Pipe, Add	*53.05*	
		For Bituminous Coated And 25% Paved, Add	*120.43*	
		For Smooth-Flo, Add	*239.80*	
33 42 11 00-0524	LF	102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	484.98	100.86
		For Bituminous Coated Pipe, Add	*55.71*	
		For Bituminous Coated And 25% Paved, Add	*126.46*	
		For Smooth-Flo, Add	*251.81*	
33 42 11 00-0525		**14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0511)*		
33 42 11 00-0526	LF	54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	238.74	38.10
		For Bituminous Coated Pipe, Add	*32.98*	
		For Bituminous Coated And 25% Paved, Add	*64.64*	
		For Smooth-Flo, Add	*130.61*	
33 42 11 00-0527	LF	60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	260.49	40.34
		For Bituminous Coated Pipe, Add	*36.01*	
		For Bituminous Coated And 25% Paved, Add	*70.58*	
		For Smooth-Flo, Add	*142.59*	
33 42 11 00-0528	LF	66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	323.22	49.30
		For Bituminous Coated Pipe, Add	*45.34*	
		For Bituminous Coated And 25% Paved, Add	*88.86*	
		For Smooth-Flo, Add	*179.53*	
33 42 11 00-0529	LF	72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	384.88	71.72
		For Bituminous Coated Pipe, Add	*48.45*	
		For Bituminous Coated And 25% Paved, Add	*94.97*	
		For Smooth-Flo, Add	*191.87*	
33 42 11 00-0530	LF	78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	414.73	78.44
		For Bituminous Coated Pipe, Add	*51.57*	
		For Bituminous Coated And 25% Paved, Add	*101.07*	
		For Smooth-Flo, Add	*204.21*	
33 42 11 00-0531	LF	84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	441.67	84.04
		For Bituminous Coated Pipe, Add	*54.71*	
		For Bituminous Coated And 25% Paved, Add	*107.24*	
		For Smooth-Flo, Add	*216.67*	
33 42 11 00-0532	LF	90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	468.45	89.65
		For Bituminous Coated Pipe, Add	*57.83*	
		For Bituminous Coated And 25% Paved, Add	*113.35*	
		For Smooth-Flo, Add	*229.01*	
33 42 11 00-0533	LF	96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	496.06	95.25
		For Bituminous Coated Pipe, Add	*60.95*	
		For Bituminous Coated And 25% Paved, Add	*119.45*	
		For Smooth-Flo, Add	*241.35*	
33 42 11 00-0534	LF	102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	526.84	100.86
		For Bituminous Coated Pipe, Add	*64.08*	
		For Bituminous Coated And 25% Paved, Add	*125.60*	
		For Smooth-Flo, Add	*253.76*	
33 42 11 00-0535	LF	108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	560.21	112.06
		For Bituminous Coated Pipe, Add	*67.22*	
		For Bituminous Coated And 25% Paved, Add	*131.75*	
		For Smooth-Flo, Add	*266.18*	
33 42 11 00-0536	LF	114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	592.83	123.26
		For Bituminous Coated Pipe, Add	*70.29*	
		For Bituminous Coated And 25% Paved, Add	*137.78*	
		For Smooth-Flo, Add	*278.36*	
33 42 11 00-0537		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping** *(33 42 11 00-0511)*		
33 42 11 00-0538	LF	60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	315.59	40.34
		For Bituminous Coated Pipe, Add	*47.03*	
		For Bituminous Coated And 25% Paved, Add	*89.59*	
		For Smooth-Flo, Add	*146.02*	
33 42 11 00-0539	LF	66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	384.25	49.30
		For Bituminous Coated Pipe, Add	*57.54*	
		For Bituminous Coated And 25% Paved, Add	*109.62*	
		For Smooth-Flo, Add	*178.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0540	LF	72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	451.23	71.72
		For Bituminous Coated Pipe, Add	*61.72*	
		For Bituminous Coated And 25% Paved, Add	*117.58*	
		For Smooth-Flo, Add	*191.65*	
33 42 11 00-0541	LF	78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	486.46	78.44
		For Bituminous Coated Pipe, Add	*65.91*	
		For Bituminous Coated And 25% Paved, Add	*125.57*	
		For Smooth-Flo, Add	*204.66*	
33 42 11 00-0542	LF	84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	518.72	84.04
		For Bituminous Coated Pipe, Add	*70.12*	
		For Bituminous Coated And 25% Paved, Add	*133.59*	
		For Smooth-Flo, Add	*217.74*	
33 42 11 00-0543	LF	90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	550.88	89.65
		For Bituminous Coated Pipe, Add	*74.32*	
		For Bituminous Coated And 25% Paved, Add	*141.57*	
		For Smooth-Flo, Add	*230.75*	
33 42 11 00-0544	LF	96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	583.91	95.25
		For Bituminous Coated Pipe, Add	*78.52*	
		For Bituminous Coated And 25% Paved, Add	*149.57*	
		For Smooth-Flo, Add	*243.79*	
33 42 11 00-0545	LF	102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	620.07	100.86
		For Bituminous Coated Pipe, Add	*82.73*	
		For Bituminous Coated And 25% Paved, Add	*157.60*	
		For Smooth-Flo, Add	*256.87*	
33 42 11 00-0546	LF	108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	658.71	112.06
		For Bituminous Coated Pipe, Add	*86.92*	
		For Bituminous Coated And 25% Paved, Add	*165.58*	
		For Smooth-Flo, Add	*269.88*	
33 42 11 00-0547	LF	114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	696.76	123.26
		For Bituminous Coated Pipe, Add	*91.08*	
		For Bituminous Coated And 25% Paved, Add	*173.51*	
		For Smooth-Flo, Add	*282.80*	
33 42 11 00-0548	LF	120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	733.66	134.47
		For Bituminous Coated Pipe, Add	*95.29*	
		For Bituminous Coated And 25% Paved, Add	*181.53*	
		For Smooth-Flo, Add	*295.88*	

33 42 11 00-0549 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0511)*

33 42 11 00-0550	LF	72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	513.10	71.72
		For Bituminous Coated Pipe, Add	*74.10*	
		For Bituminous Coated And 25% Paved, Add	*140.78*	
		For Smooth-Flo, Add	*188.20*	
33 42 11 00-0551	LF	78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	553.41	78.44
		For Bituminous Coated Pipe, Add	*79.30*	
		For Bituminous Coated And 25% Paved, Add	*150.68*	
		For Smooth-Flo, Add	*201.43*	
33 42 11 00-0552	LF	84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	590.75	84.04
		For Bituminous Coated Pipe, Add	*84.53*	
		For Bituminous Coated And 25% Paved, Add	*160.61*	
		For Smooth-Flo, Add	*214.71*	
33 42 11 00-0553	LF	90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	627.98	89.65
		For Bituminous Coated Pipe, Add	*89.74*	
		For Bituminous Coated And 25% Paved, Add	*170.50*	
		For Smooth-Flo, Add	*227.93*	
33 42 11 00-0554	LF	96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	666.09	95.25
		For Bituminous Coated Pipe, Add	*94.95*	
		For Bituminous Coated And 25% Paved, Add	*180.41*	
		For Smooth-Flo, Add	*241.18*	
33 42 11 00-0555	LF	102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	707.33	100.86
		For Bituminous Coated Pipe, Add	*100.18*	
		For Bituminous Coated And 25% Paved, Add	*190.34*	
		For Smooth-Flo, Add	*254.46*	
33 42 11 00-0556	LF	108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	751.05	112.06
		For Bituminous Coated Pipe, Add	*105.39*	
		For Bituminous Coated And 25% Paved, Add	*200.23*	
		For Smooth-Flo, Add	*267.68*	
33 42 11 00-0557	LF	114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	794.12	123.26
		For Bituminous Coated Pipe, Add	*110.55*	
		For Bituminous Coated And 25% Paved, Add	*210.05*	
		For Smooth-Flo, Add	*280.80*	
33 42 11 00-0558	LF	120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	836.14	134.47
		For Bituminous Coated Pipe, Add	*115.79*	
		For Bituminous Coated And 25% Paved, Add	*220.00*	
		For Smooth-Flo, Add	*294.10*	
33 42 11 00-0559	LF	126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	880.12	145.68
		For Bituminous Coated Pipe, Add	*120.98*	
		For Bituminous Coated And 25% Paved, Add	*229.85*	
		For Smooth-Flo, Add	*307.28*	
33 42 11 00-0560	LF	132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	927.02	156.89
		For Bituminous Coated Pipe, Add	*126.20*	
		For Bituminous Coated And 25% Paved, Add	*239.78*	
		For Smooth-Flo, Add	*320.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0561	LF	138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe	977.37	168.10
		For Bituminous Coated Pipe, Add	*131.44*	
		For Bituminous Coated And 25% Paved, Add	*249.73*	
		For Smooth-Flo, Add	*333.85*	
33 42 11 00-0562		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0469)*		
33 42 11 00-0563		16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0562)*		
33 42 11 00-0564	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	181.63	33.62
		For Bituminous Coated Pipe, Add	*29.32*	
		For Bituminous Coated And 25% Paved, Add	*66.84*	
		For Smooth-Flo, Add	*106.13*	
33 42 11 00-0565	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	217.53	38.10
		For Bituminous Coated Pipe, Add	*35.93*	
		For Bituminous Coated And 25% Paved, Add	*81.91*	
		For Smooth-Flo, Add	*130.05*	
33 42 11 00-0566	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	236.75	40.34
		For Bituminous Coated Pipe, Add	*39.08*	
		For Bituminous Coated And 25% Paved, Add	*89.09*	
		For Smooth-Flo, Add	*141.45*	
33 42 11 00-0567	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	293.30	49.30
		For Bituminous Coated Pipe, Add	*49.19*	
		For Bituminous Coated And 25% Paved, Add	*112.15*	
		For Smooth-Flo, Add	*178.07*	
33 42 11 00-0568	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	352.23	71.72
		For Bituminous Coated Pipe, Add	*52.40*	
		For Bituminous Coated And 25% Paved, Add	*119.48*	
		For Smooth-Flo, Add	*189.70*	
33 42 11 00-0569	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	379.29	78.44
		For Bituminous Coated Pipe, Add	*55.60*	
		For Bituminous Coated And 25% Paved, Add	*126.77*	
		For Smooth-Flo, Add	*201.27*	
33 42 11 00-0570	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	403.24	84.04
		For Bituminous Coated Pipe, Add	*58.79*	
		For Bituminous Coated And 25% Paved, Add	*134.03*	
		For Smooth-Flo, Add	*212.80*	
33 42 11 00-0571	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	427.13	89.65
		For Bituminous Coated Pipe, Add	*61.96*	
		For Bituminous Coated And 25% Paved, Add	*141.26*	
		For Smooth-Flo, Add	*224.29*	
33 42 11 00-0572	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	452.06	95.25
		For Bituminous Coated Pipe, Add	*65.18*	
		For Bituminous Coated And 25% Paved, Add	*148.62*	
		For Smooth-Flo, Add	*235.96*	
33 42 11 00-0573	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	480.35	100.86
		For Bituminous Coated Pipe, Add	*68.48*	
		For Bituminous Coated And 25% Paved, Add	*156.13*	
		For Smooth-Flo, Add	*247.90*	
33 42 11 00-0574		14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0562)*		
33 42 11 00-0575	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	245.61	38.10
		For Bituminous Coated Pipe, Add	*34.36*	
		For Bituminous Coated And 25% Paved, Add	*80.74*	
		For Smooth-Flo, Add	*146.18*	
33 42 11 00-0576	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	267.96	40.34
		For Bituminous Coated Pipe, Add	*37.50*	
		For Bituminous Coated And 25% Paved, Add	*88.13*	
		For Smooth-Flo, Add	*159.57*	
33 42 11 00-0577	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	327.35	49.30
		For Bituminous Coated Pipe, Add	*46.16*	
		For Bituminous Coated And 25% Paved, Add	*108.48*	
		For Smooth-Flo, Add	*196.42*	
33 42 11 00-0578	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	389.01	71.72
		For Bituminous Coated Pipe, Add	*49.28*	
		For Bituminous Coated And 25% Paved, Add	*115.80*	
		For Smooth-Flo, Add	*209.68*	
33 42 11 00-0579	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	419.41	78.44
		For Bituminous Coated Pipe, Add	*52.50*	
		For Bituminous Coated And 25% Paved, Add	*123.38*	
		For Smooth-Flo, Add	*223.40*	
33 42 11 00-0580	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	446.50	84.04
		For Bituminous Coated Pipe, Add	*55.68*	
		For Bituminous Coated And 25% Paved, Add	*130.85*	
		For Smooth-Flo, Add	*236.92*	
33 42 11 00-0581	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	471.93	89.65
		For Bituminous Coated Pipe, Add	*58.53*	
		For Bituminous Coated And 25% Paved, Add	*137.54*	
		For Smooth-Flo, Add	*249.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0582	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	501.38	95.25
		For Bituminous Coated Pipe, Add	*62.01*	
		For Bituminous Coated And 25% Paved, Add	*145.72*	
		For Smooth-Flo, Add	*263.85*	
33 42 11 00-0583	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	532.31	100.86
		For Bituminous Coated Pipe, Add	*65.18*	
		For Bituminous Coated And 25% Paved, Add	*153.16*	
		For Smooth-Flo, Add	*277.32*	
33 42 11 00-0584	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	565.68	112.06
		For Bituminous Coated Pipe, Add	*68.31*	
		For Bituminous Coated And 25% Paved, Add	*160.53*	
		For Smooth-Flo, Add	*290.67*	
33 42 11 00-0585	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	599.00	123.26
		For Bituminous Coated Pipe, Add	*71.53*	
		For Bituminous Coated And 25% Paved, Add	*168.09*	
		For Smooth-Flo, Add	*304.35*	
33 42 11 00-0586		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0562)*		
33 42 11 00-0587	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	326.39	40.34
		For Bituminous Coated Pipe, Add	*49.19*	
		For Bituminous Coated And 25% Paved, Add	*93.46*	
		For Smooth-Flo, Add	*168.71*	
33 42 11 00-0588	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	391.71	49.30
		For Bituminous Coated Pipe, Add	*59.03*	
		For Bituminous Coated And 25% Paved, Add	*112.16*	
		For Smooth-Flo, Add	*202.49*	
33 42 11 00-0589	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	459.49	71.72
		For Bituminous Coated Pipe, Add	*63.37*	
		For Bituminous Coated And 25% Paved, Add	*120.41*	
		For Smooth-Flo, Add	*217.37*	
33 42 11 00-0590	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	495.32	78.44
		For Bituminous Coated Pipe, Add	*67.69*	
		For Bituminous Coated And 25% Paved, Add	*128.60*	
		For Smooth-Flo, Add	*232.16*	
33 42 11 00-0591	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	527.88	84.04
		For Bituminous Coated Pipe, Add	*71.96*	
		For Bituminous Coated And 25% Paved, Add	*136.72*	
		For Smooth-Flo, Add	*246.81*	
33 42 11 00-0592	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	560.73	89.65
		For Bituminous Coated Pipe, Add	*76.29*	
		For Bituminous Coated And 25% Paved, Add	*144.94*	
		For Smooth-Flo, Add	*261.66*	
33 42 11 00-0593	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	594.27	95.25
		For Bituminous Coated Pipe, Add	*80.59*	
		For Bituminous Coated And 25% Paved, Add	*153.12*	
		For Smooth-Flo, Add	*276.42*	
33 42 11 00-0594	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	630.82	100.86
		For Bituminous Coated Pipe, Add	*84.88*	
		For Bituminous Coated And 25% Paved, Add	*161.27*	
		For Smooth-Flo, Add	*291.13*	
33 42 11 00-0595	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	670.16	112.06
		For Bituminous Coated Pipe, Add	*89.21*	
		For Bituminous Coated And 25% Paved, Add	*169.50*	
		For Smooth-Flo, Add	*305.98*	
33 42 11 00-0596	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	708.91	123.26
		For Bituminous Coated Pipe, Add	*93.51*	
		For Bituminous Coated And 25% Paved, Add	*177.67*	
		For Smooth-Flo, Add	*320.74*	
33 42 11 00-0597	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	746.25	134.47
		For Bituminous Coated Pipe, Add	*97.81*	
		For Bituminous Coated And 25% Paved, Add	*185.84*	
		For Smooth-Flo, Add	*335.49*	
33 42 11 00-0598		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0562)*		
33 42 11 00-0599	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	526.99	71.72
		For Bituminous Coated Pipe, Add	*76.87*	
		For Bituminous Coated And 25% Paved, Add	*146.06*	
		For Smooth-Flo, Add	*229.47*	
33 42 11 00-0600	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	569.09	78.44
		For Bituminous Coated Pipe, Add	*82.44*	
		For Bituminous Coated And 25% Paved, Add	*156.64*	
		For Smooth-Flo, Add	*246.08*	
33 42 11 00-0601	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	607.52	84.04
		For Bituminous Coated Pipe, Add	*87.88*	
		For Bituminous Coated And 25% Paved, Add	*166.98*	
		For Smooth-Flo, Add	*262.33*	
33 42 11 00-0602	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	645.70	89.65
		For Bituminous Coated Pipe, Add	*93.28*	
		For Bituminous Coated And 25% Paved, Add	*177.23*	
		For Smooth-Flo, Add	*278.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0603	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	685.01	95.25
		For Bituminous Coated Pipe, Add	*98.74*	
		For Bituminous Coated And 25% Paved, Add	*187.60*	
		For Smooth-Flo, Add	*294.73*	
33 42 11 00-0604	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	727.14	100.86
		For Bituminous Coated Pipe, Add	*104.14*	
		For Bituminous Coated And 25% Paved, Add	*197.87*	
		For Smooth-Flo, Add	*310.86*	
33 42 11 00-0605	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	772.05	112.06
		For Bituminous Coated Pipe, Add	*109.59*	
		For Bituminous Coated And 25% Paved, Add	*208.21*	
		For Smooth-Flo, Add	*327.11*	
33 42 11 00-0606	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	816.47	123.26
		For Bituminous Coated Pipe, Add	*115.02*	
		For Bituminous Coated And 25% Paved, Add	*218.54*	
		For Smooth-Flo, Add	*343.34*	
33 42 11 00-0607	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	859.34	134.47
		For Bituminous Coated Pipe, Add	*120.43*	
		For Bituminous Coated And 25% Paved, Add	*228.81*	
		For Smooth-Flo, Add	*359.48*	
33 42 11 00-0608	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	913.07	145.68
		For Bituminous Coated Pipe, Add	*127.57*	
		For Bituminous Coated And 25% Paved, Add	*242.38*	
		For Smooth-Flo, Add	*380.78*	
33 42 11 00-0609	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	963.26	156.89
		For Bituminous Coated Pipe, Add	*133.45*	
		For Bituminous Coated And 25% Paved, Add	*253.56*	
		For Smooth-Flo, Add	*398.35*	
33 42 11 00-0610	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe	1,017.99	168.10
		For Bituminous Coated Pipe, Add	*139.56*	
		For Bituminous Coated And 25% Paved, Add	*265.17*	
		For Smooth-Flo, Add	*416.59*	

33 42 11 00-0611 Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0469)*

33 42 11 00-0612 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0611)*

33 42 11 00-0613	LF	18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	63.22	12.53
		For Bituminous Coated Pipe, Add	*9.04*	
33 42 11 00-0614	LF	21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	72.56	13.57
		For Bituminous Coated Pipe, Add	*10.76*	
33 42 11 00-0615	LF	24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	81.09	14.61
		For Bituminous Coated Pipe, Add	*12.22*	
33 42 11 00-0616	LF	30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	106.13	18.79
		For Bituminous Coated Pipe, Add	*15.75*	
33 42 11 00-0617	LF	36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	137.02	24.66
		For Bituminous Coated Pipe, Add	*19.74*	
33 42 11 00-0618	LF	42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	156.94	29.14
		For Bituminous Coated Pipe, Add	*23.28*	
33 42 11 00-0619	LF	48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	176.80	33.62
		For Bituminous Coated Pipe, Add	*26.20*	
33 42 11 00-0620	LF	54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	211.56	38.10
		For Bituminous Coated Pipe, Add	*32.09*	
33 42 11 00-0621	LF	60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	230.82	40.34
		For Bituminous Coated Pipe, Add	*35.04*	

33 42 11 00-0622 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0611)*

33 42 11 00-0623	LF	18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	69.69	12.53
		For Bituminous Coated Pipe, Add	*10.45*	
33 42 11 00-0624	LF	21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	80.13	13.57
		For Bituminous Coated Pipe, Add	*12.42*	
33 42 11 00-0625	LF	24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	89.71	14.61
		For Bituminous Coated Pipe, Add	*14.11*	
33 42 11 00-0626	LF	30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	116.83	18.79
		For Bituminous Coated Pipe, Add	*18.09*	
33 42 11 00-0627	LF	36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	149.91	24.66
		For Bituminous Coated Pipe, Add	*22.55*	
33 42 11 00-0628	LF	42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	172.02	29.14
		For Bituminous Coated Pipe, Add	*26.56*	
33 42 11 00-0629	LF	48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	194.03	33.62
		For Bituminous Coated Pipe, Add	*29.95*	
33 42 11 00-0630	LF	54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	230.92	38.10
		For Bituminous Coated Pipe, Add	*36.29*	
33 42 11 00-0631	LF	60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	252.38	40.34
		For Bituminous Coated Pipe, Add	*39.72*	
33 42 11 00-0632	LF	66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	310.13	49.30
		For Bituminous Coated Pipe, Add	*49.34*	
33 42 11 00-0633	LF	72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	370.84	71.72
		For Bituminous Coated Pipe, Add	*52.72*	
33 42 11 00-0634	LF	78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	400.00	78.44
		For Bituminous Coated Pipe, Add	*56.16*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0635		12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping *(33 42 11 00-0611)*		
33 42 11 00-0636	LF	30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	138.53	18.79
		For Bituminous Coated Pipe, Add	*18.90*	
33 42 11 00-0637	LF	36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	175.84	24.66
		For Bituminous Coated Pipe, Add	*23.35*	
33 42 11 00-0638	LF	42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	202.39	29.14
		For Bituminous Coated Pipe, Add	*27.47*	
33 42 11 00-0639	LF	48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	228.67	33.62
		For Bituminous Coated Pipe, Add	*31.05*	
33 42 11 00-0640	LF	54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	269.95	38.10
		For Bituminous Coated Pipe, Add	*37.07*	
33 42 11 00-0641	LF	60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	295.78	40.34
		For Bituminous Coated Pipe, Add	*40.70*	
33 42 11 00-0642	LF	66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	357.76	49.30
		For Bituminous Coated Pipe, Add	*49.37*	
33 42 11 00-0643	LF	72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	422.76	71.72
		For Bituminous Coated Pipe, Add	*52.95*	
33 42 11 00-0644	LF	78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	456.19	78.44
		For Bituminous Coated Pipe, Add	*56.57*	
33 42 11 00-0645	LF	84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	486.47	84.04
		For Bituminous Coated Pipe, Add	*60.17*	
33 42 11 00-0646	LF	90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	516.68	89.65
		For Bituminous Coated Pipe, Add	*63.76*	
33 42 11 00-0647	LF	96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	547.73	95.25
		For Bituminous Coated Pipe, Add	*67.36*	
33 42 11 00-0648	LF	102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe	579.75	100.86
		For Bituminous Coated Pipe, Add	*70.56*	
33 42 11 00-0649		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0469)*		
33 42 11 00-0650		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0649)*		
33 42 11 00-0651	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	21.95	6.26
		For Bituminous Coated Pipe, Add	*2.31*	
33 42 11 00-0652	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.88	6.26
		For Bituminous Coated Pipe, Add	*2.78*	
33 42 11 00-0653	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	27.65	7.82
		For Bituminous Coated Pipe, Add	*3.06*	
33 42 11 00-0654	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.10	7.82
		For Bituminous Coated Pipe, Add	*3.66*	
33 42 11 00-0655	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	34.93	9.39
		For Bituminous Coated Pipe, Add	*3.84*	
33 42 11 00-0656	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	38.04	9.39
		For Bituminous Coated Pipe, Add	*4.60*	
33 42 11 00-0657		Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping *(33 42 11 00-0649)*		
33 42 11 00-0658	LF	6" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	22.22	6.26
		For Bituminous Coated Pipe, Add	*2.28*	
33 42 11 00-0659	LF	6" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	24.09	6.26
		For Bituminous Coated Pipe, Add	*2.72*	
33 42 11 00-0660	LF	8" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	27.92	7.82
		For Bituminous Coated Pipe, Add	*2.99*	
33 42 11 00-0661	LF	8" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	30.52	7.82
		For Bituminous Coated Pipe, Add	*3.60*	
33 42 11 00-0662	LF	10" 18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	35.40	9.39
		For Bituminous Coated Pipe, Add	*3.79*	
33 42 11 00-0663	LF	10" 16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	38.58	9.39
		For Bituminous Coated Pipe, Add	*4.54*	
33 42 11 00-0664		1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings *(33 42 11 00-0649)*		
33 42 11 00-0665	EA	6" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	14.26	
		For Bituminous Coated Pipe, Add	*3.21*	
33 42 11 00-0666	EA	8" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	18.88	
		For Bituminous Coated Pipe, Add	*4.25*	
33 42 11 00-0667	EA	10" 18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	23.15	
		For Bituminous Coated Pipe, Add	*5.21*	
33 42 11 00-0668	EA	6" 18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	51.43	
		For Bituminous Coated Pipe, Add	*7.10*	
33 42 11 00-0669	EA	6" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	10.47	
		For Bituminous Coated Pipe, Add	*1.62*	
33 42 11 00-0670	EA	8" End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe	13.43	
		For Bituminous Coated Pipe, Add	*2.43*	
33 42 11 00-0671		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0469)*		
33 42 11 00-0672		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0671)*		
33 42 11 00-0673	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	70.88	10.95
33 42 11 00-0674	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	84.19	11.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0675	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	97.91	12.53
33 42 11 00-0676	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	114.20	13.57
33 42 11 00-0677	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	127.54	14.61
33 42 11 00-0678	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	166.74	18.79
33 42 11 00-0679	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	214.13	24.66
33 42 11 00-0680	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	248.49	29.14
33 42 11 00-0681	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	278.83	33.62
33 42 11 00-0682		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0671)*		
33 42 11 00-0683	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	81.30	10.95
33 42 11 00-0684	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	97.09	11.48
33 42 11 00-0685	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	113.36	12.53
33 42 11 00-0686	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	132.09	13.57
33 42 11 00-0687	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	148.33	14.61
33 42 11 00-0688	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	192.26	18.79
33 42 11 00-0689	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	244.93	24.66
33 42 11 00-0690	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	283.83	29.14
33 42 11 00-0691	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	319.17	33.62
33 42 11 00-0692	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	387.24	38.10
33 42 11 00-0693		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0671)*		
33 42 11 00-0694	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	145.57	12.53
33 42 11 00-0695	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	169.70	13.57
33 42 11 00-0696	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	191.09	14.61
33 42 11 00-0697	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	245.68	18.79
33 42 11 00-0698	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	295.94	24.66
33 42 11 00-0699	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	358.56	29.14
33 42 11 00-0700	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	404.45	33.62
33 42 11 00-0701	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	484.54	38.10
33 42 11 00-0702	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	529.51	40.34
33 42 11 00-0703	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	648.88	49.30
33 42 11 00-0704		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0671)*		
33 42 11 00-0705	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	367.59	24.66
33 42 11 00-0706	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	426.63	29.14
33 42 11 00-0707	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	481.77	33.62
33 42 11 00-0708	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	571.16	38.10
33 42 11 00-0709	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	625.94	40.34
33 42 11 00-0710	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	754.79	49.30
33 42 11 00-0711	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe	848.35	71.72
33 42 11 00-0712		3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0469)*		
33 42 11 00-0713		16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0712)*		
33 42 11 00-0714	LF	36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	273.27	24.66
33 42 11 00-0715	LF	42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	316.67	29.14
33 42 11 00-0716	LF	48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	355.28	33.62
33 42 11 00-0717	LF	54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	430.72	38.10
33 42 11 00-0718	LF	60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	468.96	40.34
33 42 11 00-0719	LF	66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	598.19	49.30
33 42 11 00-0720	LF	72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	676.93	71.72
33 42 11 00-0721	LF	78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	723.84	78.44
33 42 11 00-0722	LF	84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	767.79	84.04
33 42 11 00-0723	LF	90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	811.79	89.65
33 42 11 00-0724	LF	96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	856.45	95.25
33 42 11 00-0725	LF	102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	904.48	100.86
33 42 11 00-0726		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0712)*		
33 42 11 00-0727	LF	54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	486.40	38.10
33 42 11 00-0728	LF	60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	530.52	40.34
33 42 11 00-0729	LF	66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	665.99	49.30
33 42 11 00-0730	LF	72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	750.67	71.72
33 42 11 00-0731	LF	78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	803.60	78.44
33 42 11 00-0732	LF	84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	853.81	84.04
33 42 11 00-0733	LF	90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	903.65	89.65
33 42 11 00-0734	LF	96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	954.29	95.25
33 42 11 00-0735	LF	102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,008.39	100.86
33 42 11 00-0736	LF	108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,064.92	112.06
33 42 11 00-0737	LF	114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,120.28	123.26
33 42 11 00-0738		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping *(33 42 11 00-0712)*		
33 42 11 00-0739	LF	60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	670.56	40.34
33 42 11 00-0740	LF	66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	821.78	49.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0741	LF	72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	919.96	71.72
33 42 11 00-0742	LF	78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	986.47	78.44
33 42 11 00-0743	LF	84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,050.18	84.04
33 42 11 00-0744	LF	90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,113.62	89.65
33 42 11 00-0745	LF	96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,177.95	95.25
33 42 11 00-0746	LF	102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,245.53	100.86
33 42 11 00-0747	LF	108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,315.45	112.06
33 42 11 00-0748	LF	114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,384.59	123.26
33 42 11 00-0749	LF	120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,452.94	134.47
33 42 11 00-0750		**10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0712)*		
33 42 11 00-0751	LF	72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,074.23	71.72
33 42 11 00-0752	LF	78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,153.30	78.44
33 42 11 00-0753	LF	84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,229.69	84.04
33 42 11 00-0754	LF	90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,305.73	89.65
33 42 11 00-0755	LF	96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,382.77	95.25
33 42 11 00-0756	LF	102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,463.00	100.86
33 42 11 00-0757	LF	108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,545.61	112.06
33 42 11 00-0758	LF	114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,627.33	123.26
33 42 11 00-0759	LF	120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,708.33	134.47
33 42 11 00-0760	LF	126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,791.06	145.68
33 42 11 00-0761	LF	132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,876.97	156.89
33 42 11 00-0762	LF	138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe	1,966.34	168.10
33 42 11 00-0763		**125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0469)*		
33 42 11 00-0764		**16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0763)*		
33 42 11 00-0765	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	343.27	33.62
33 42 11 00-0766	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	417.50	38.10
33 42 11 00-0767	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	453.82	40.34
33 42 11 00-0768	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	570.06	49.30
33 42 11 00-0769	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	646.49	71.72
33 42 11 00-0770	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	691.00	78.44
33 42 11 00-0771	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	732.25	84.04
33 42 11 00-0772	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	773.37	89.65
33 42 11 00-0773	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	815.77	95.25
33 42 11 00-0774	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	862.12	100.86
33 42 11 00-0775		**14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0763)*		
33 42 11 00-0776	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	483.65	38.10
33 42 11 00-0777	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	527.49	40.34
33 42 11 00-0778	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	650.40	49.30
33 42 11 00-0779	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	733.31	71.72
33 42 11 00-0780	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	785.66	78.44
33 42 11 00-0781	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	834.27	84.04
33 42 11 00-0782	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	879.10	89.65
33 42 11 00-0783	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	932.23	95.25
33 42 11 00-0784	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	984.73	100.86
33 42 11 00-0785	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,039.38	112.06
33 42 11 00-0786	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,094.57	123.26
33 42 11 00-0787		**12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0763)*		
33 42 11 00-0788	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	675.15	40.34
33 42 11 00-0789	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	813.76	49.30
33 42 11 00-0790	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	912.10	71.72
33 42 11 00-0791	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	978.02	78.44
33 42 11 00-0792	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,040.48	84.04
33 42 11 00-0793	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,103.74	89.65
33 42 11 00-0794	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,167.42	95.25
33 42 11 00-0795	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,233.97	100.86
33 42 11 00-0796	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,303.69	112.06
33 42 11 00-0797	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,372.59	123.26
33 42 11 00-0798	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,440.03	134.47
33 42 11 00-0799		**10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping** *(33 42 11 00-0763)*		
33 42 11 00-0800	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,074.16	71.72
33 42 11 00-0801	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,155.16	78.44
33 42 11 00-0802	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,231.82	84.04
33 42 11 00-0803	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,307.82	89.65
33 42 11 00-0804	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,385.23	95.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0805	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,465.33	100.86
33 42 11 00-0806	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,548.32	112.06
33 42 11 00-0807	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,630.80	123.26
33 42 11 00-0808	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,711.62	134.47
33 42 11 00-0809	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,815.32	145.68
33 42 11 00-0810	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	1,906.78	156.89
33 42 11 00-0811	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe	2,004.31	168.10

33 42 11 00-0812 Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0468)*

33 42 11 00-0813 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0812)*

33 42 11 00-0814 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0813)*

33 42 11 00-0815	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	49.96	11.48
		For Bituminous Coated Pipe, Add	*6.57*	
		For Bituminous Coated And 25% Paved, Add	*15.88*	
		For Smooth-Flo, Add	*26.20*	
33 42 11 00-0816	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.95	12.53
		For Bituminous Coated Pipe, Add	*7.85*	
		For Bituminous Coated And 25% Paved, Add	*18.97*	
		For Smooth-Flo, Add	*31.29*	
33 42 11 00-0817	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	64.30	13.57
		For Bituminous Coated Pipe, Add	*9.44*	
		For Bituminous Coated And 25% Paved, Add	*22.83*	
		For Smooth-Flo, Add	*37.66*	
33 42 11 00-0818	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	72.33	14.61
		For Bituminous Coated Pipe, Add	*10.88*	
		For Bituminous Coated And 25% Paved, Add	*26.31*	
		For Smooth-Flo, Add	*43.39*	
33 42 11 00-0819	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	94.03	18.79
		For Bituminous Coated Pipe, Add	*13.82*	
		For Bituminous Coated And 25% Paved, Add	*33.41*	
		For Smooth-Flo, Add	*55.11*	
33 42 11 00-0820	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	123.88	24.66
		For Bituminous Coated Pipe, Add	*17.82*	
		For Bituminous Coated And 25% Paved, Add	*43.09*	
		For Smooth-Flo, Add	*71.08*	

33 42 11 00-0821 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0813)*

33 42 11 00-0822	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	55.29	11.48
		For Bituminous Coated Pipe, Add	*6.82*	
		For Bituminous Coated And 25% Paved, Add	*15.95*	
		For Smooth-Flo, Add	*26.16*	
33 42 11 00-0823	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	62.47	12.53
		For Bituminous Coated Pipe, Add	*8.18*	
		For Bituminous Coated And 25% Paved, Add	*19.13*	
		For Smooth-Flo, Add	*31.37*	
33 42 11 00-0824	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	71.57	13.57
		For Bituminous Coated Pipe, Add	*9.72*	
		For Bituminous Coated And 25% Paved, Add	*22.74*	
		For Smooth-Flo, Add	*37.29*	
33 42 11 00-0825	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	80.75	14.61
		For Bituminous Coated Pipe, Add	*11.21*	
		For Bituminous Coated And 25% Paved, Add	*26.22*	
		For Smooth-Flo, Add	*43.00*	
33 42 11 00-0826	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	104.53	18.79
		For Bituminous Coated Pipe, Add	*14.19*	
		For Bituminous Coated And 25% Paved, Add	*33.20*	
		For Smooth-Flo, Add	*54.45*	
33 42 11 00-0827	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	136.37	24.66
		For Bituminous Coated Pipe, Add	*18.08*	
		For Bituminous Coated And 25% Paved, Add	*42.29*	
		For Smooth-Flo, Add	*69.36*	
33 42 11 00-0828	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	157.19	29.14
		For Bituminous Coated Pipe, Add	*21.53*	
		For Bituminous Coated And 25% Paved, Add	*50.38*	
		For Smooth-Flo, Add	*82.62*	

33 42 11 00-0829 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0813)*

33 42 11 00-0830	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	81.73	13.45
		For Bituminous Coated Pipe, Add	*8.84*	
		For Bituminous Coated And 25% Paved, Add	*19.68*	
		For Smooth-Flo, Add	*30.26*	
33 42 11 00-0831	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	93.66	14.57
		For Bituminous Coated Pipe, Add	*10.49*	
		For Bituminous Coated And 25% Paved, Add	*23.34*	
		For Smooth-Flo, Add	*35.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0832	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	105.40	15.69
		For Bituminous Coated Pipe, Add	*12.03*	
		For Bituminous Coated And 25% Paved, Add	*26.77*	
		For Smooth-Flo, Add	*41.17*	
33 42 11 00-0833	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	135.84	20.17
		For Bituminous Coated Pipe, Add	*15.15*	
		For Bituminous Coated And 25% Paved, Add	*33.71*	
		For Smooth-Flo, Add	*51.84*	
33 42 11 00-0834	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	161.86	24.66
		For Bituminous Coated Pipe, Add	*18.95*	
		For Bituminous Coated And 25% Paved, Add	*42.18*	
		For Smooth-Flo, Add	*64.86*	
33 42 11 00-0835	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	186.61	29.14
		For Bituminous Coated Pipe, Add	*22.42*	
		For Bituminous Coated And 25% Paved, Add	*49.88*	
		For Smooth-Flo, Add	*76.71*	
33 42 11 00-0836	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	218.02	33.62
		For Bituminous Coated Pipe, Add	*26.58*	
		For Bituminous Coated And 25% Paved, Add	*59.16*	
		For Smooth-Flo, Add	*90.97*	
33 42 11 00-0837	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	243.52	38.10
		For Bituminous Coated Pipe, Add	*29.36*	
		For Bituminous Coated And 25% Paved, Add	*65.33*	
		For Smooth-Flo, Add	*100.46*	
33 42 11 00-0838		10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0813)*		
33 42 11 00-0839	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	185.85	24.66
		For Bituminous Coated Pipe, Add	*22.84*	
		For Bituminous Coated And 25% Paved, Add	*48.08*	
		For Smooth-Flo, Add	*60.63*	
33 42 11 00-0840	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	214.58	29.14
		For Bituminous Coated Pipe, Add	*26.94*	
		For Bituminous Coated And 25% Paved, Add	*56.71*	
		For Smooth-Flo, Add	*71.52*	
33 42 11 00-0841	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	249.73	33.62
		For Bituminous Coated Pipe, Add	*31.70*	
		For Bituminous Coated And 25% Paved, Add	*66.73*	
		For Smooth-Flo, Add	*84.16*	
33 42 11 00-0842	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	279.36	38.10
		For Bituminous Coated Pipe, Add	*35.15*	
		For Bituminous Coated And 25% Paved, Add	*73.99*	
		For Smooth-Flo, Add	*93.31*	
33 42 11 00-0843	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch	306.08	40.34
		For Bituminous Coated Pipe, Add	*38.58*	
		For Bituminous Coated And 25% Paved, Add	*81.23*	
		For Smooth-Flo, Add	*102.44*	
33 42 11 00-0844		3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0812)*		
33 42 11 00-0845		14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0844)*		
33 42 11 00-0846	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	243.17	38.10
		For Bituminous Coated Pipe, Add	*33.87*	
		For Bituminous Coated And 25% Paved, Add	*102.96*	
		For Smooth-Flo, Add	*115.15*	
33 42 11 00-0847	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	265.77	40.34
		For Bituminous Coated Pipe, Add	*37.06*	
		For Bituminous Coated And 25% Paved, Add	*112.67*	
		For Smooth-Flo, Add	*126.02*	
33 42 11 00-0848	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	329.29	49.30
		For Bituminous Coated Pipe, Add	*46.55*	
		For Bituminous Coated And 25% Paved, Add	*141.51*	
		For Smooth-Flo, Add	*158.27*	
33 42 11 00-0849	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	392.15	71.72
		For Bituminous Coated Pipe, Add	*49.91*	
		For Bituminous Coated And 25% Paved, Add	*151.71*	
		For Smooth-Flo, Add	*169.68*	
33 42 11 00-0850	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	424.04	78.44
		For Bituminous Coated Pipe, Add	*53.43*	
		For Bituminous Coated And 25% Paved, Add	*162.43*	
		For Smooth-Flo, Add	*181.66*	
33 42 11 00-0851	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	452.97	84.04
		For Bituminous Coated Pipe, Add	*56.97*	
		For Bituminous Coated And 25% Paved, Add	*173.20*	
		For Smooth-Flo, Add	*193.71*	
33 42 11 00-0852	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	481.79	89.65
		For Bituminous Coated Pipe, Add	*60.50*	
		For Bituminous Coated And 25% Paved, Add	*183.91*	
		For Smooth-Flo, Add	*205.69*	
33 42 11 00-0853	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	511.39	95.25
		For Bituminous Coated Pipe, Add	*64.01*	
		For Bituminous Coated And 25% Paved, Add	*194.60*	
		For Smooth-Flo, Add	*217.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0854		**12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0844)*		
33 42 11 00-0855	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	320.92	40.34
		For Bituminous Coated Pipe, Add	*48.09*	
		For Bituminous Coated And 25% Paved, Add	*126.01*	
		For Smooth-Flo, Add	*149.09*	
33 42 11 00-0856	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	390.47	49.30
		For Bituminous Coated Pipe, Add	*58.79*	
		For Bituminous Coated And 25% Paved, Add	*154.02*	
		For Smooth-Flo, Add	*182.24*	
33 42 11 00-0857	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	458.75	71.72
		For Bituminous Coated Pipe, Add	*63.23*	
		For Bituminous Coated And 25% Paved, Add	*165.65*	
		For Smooth-Flo, Add	*196.00*	
33 42 11 00-0858	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	496.01	78.44
		For Bituminous Coated Pipe, Add	*67.82*	
		For Bituminous Coated And 25% Paved, Add	*177.70*	
		For Smooth-Flo, Add	*210.25*	
33 42 11 00-0859	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	530.32	84.04
		For Bituminous Coated Pipe, Add	*72.44*	
		For Bituminous Coated And 25% Paved, Add	*189.80*	
		For Smooth-Flo, Add	*224.58*	
33 42 11 00-0860	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	564.57	89.65
		For Bituminous Coated Pipe, Add	*77.05*	
		For Bituminous Coated And 25% Paved, Add	*201.88*	
		For Smooth-Flo, Add	*238.87*	
33 42 11 00-0861	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	599.54	95.25
		For Bituminous Coated Pipe, Add	*81.64*	
		For Bituminous Coated And 25% Paved, Add	*213.90*	
		For Smooth-Flo, Add	*253.09*	
33 42 11 00-0862	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	637.84	100.86
		For Bituminous Coated Pipe, Add	*86.28*	
		For Bituminous Coated And 25% Paved, Add	*226.06*	
		For Smooth-Flo, Add	*267.47*	
33 42 11 00-0863	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	678.57	112.06
		For Bituminous Coated Pipe, Add	*90.89*	
		For Bituminous Coated And 25% Paved, Add	*238.13*	
		For Smooth-Flo, Add	*281.76*	
33 42 11 00-0864	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	721.15	123.26
		For Bituminous Coated Pipe, Add	*95.96*	
		For Bituminous Coated And 25% Paved, Add	*251.41*	
		For Smooth-Flo, Add	*297.47*	
33 42 11 00-0865		**10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch** *(33 42 11 00-0844)*		
33 42 11 00-0866	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	520.62	71.72
		For Bituminous Coated Pipe, Add	*75.60*	
		For Bituminous Coated And 25% Paved, Add	*179.93*	
		For Smooth-Flo, Add	*195.43*	
33 42 11 00-0867	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	563.01	78.44
		For Bituminous Coated Pipe, Add	*81.22*	
		For Bituminous Coated And 25% Paved, Add	*193.31*	
		For Smooth-Flo, Add	*209.96*	
33 42 11 00-0868	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	602.40	84.04
		For Bituminous Coated Pipe, Add	*86.86*	
		For Bituminous Coated And 25% Paved, Add	*206.73*	
		For Smooth-Flo, Add	*224.53*	
33 42 11 00-0869	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	641.62	89.65
		For Bituminous Coated Pipe, Add	*92.46*	
		For Bituminous Coated And 25% Paved, Add	*220.06*	
		For Smooth-Flo, Add	*239.02*	
33 42 11 00-0870	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	681.72	95.25
		For Bituminous Coated Pipe, Add	*98.08*	
		For Bituminous Coated And 25% Paved, Add	*233.43*	
		For Smooth-Flo, Add	*253.53*	
33 42 11 00-0871	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	725.05	100.86
		For Bituminous Coated Pipe, Add	*103.72*	
		For Bituminous Coated And 25% Paved, Add	*246.86*	
		For Smooth-Flo, Add	*268.13*	
33 42 11 00-0872	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	770.86	112.06
		For Bituminous Coated Pipe, Add	*109.35*	
		For Bituminous Coated And 25% Paved, Add	*260.25*	
		For Smooth-Flo, Add	*282.66*	
33 42 11 00-0873	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	818.11	123.26
		For Bituminous Coated Pipe, Add	*115.35*	
		For Bituminous Coated And 25% Paved, Add	*274.53*	
		For Smooth-Flo, Add	*298.18*	
33 42 11 00-0874	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch	869.99	134.47
		For Bituminous Coated Pipe, Add	*122.56*	
		For Bituminous Coated And 25% Paved, Add	*291.69*	
		For Smooth-Flo, Add	*316.81*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0875		125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0812)*		
33 42 11 00-0876		12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0875)*		
33 42 11 00-0877	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	464.82	71.72
		For Bituminous Coated Pipe, Add	*64.44*	
		For Bituminous Coated And 25% Paved, Add	*157.23*	
		For Smooth-Flo, Add	*200.09*	
33 42 11 00-0878	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	501.49	78.44
		For Bituminous Coated Pipe, Add	*68.92*	
		For Bituminous Coated And 25% Paved, Add	*168.16*	
		For Smooth-Flo, Add	*214.00*	
33 42 11 00-0879	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	534.85	84.04
		For Bituminous Coated Pipe, Add	*73.35*	
		For Bituminous Coated And 25% Paved, Add	*178.97*	
		For Smooth-Flo, Add	*227.75*	
33 42 11 00-0880	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	568.20	89.65
		For Bituminous Coated Pipe, Add	*77.78*	
		For Bituminous Coated And 25% Paved, Add	*189.78*	
		For Smooth-Flo, Add	*241.51*	
33 42 11 00-0881	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	602.53	95.25
		For Bituminous Coated Pipe, Add	*82.24*	
		For Bituminous Coated And 25% Paved, Add	*200.67*	
		For Smooth-Flo, Add	*255.36*	
33 42 11 00-0882	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	640.33	100.86
		For Bituminous Coated Pipe, Add	*86.78*	
		For Bituminous Coated And 25% Paved, Add	*211.74*	
		For Smooth-Flo, Add	*269.45*	
33 42 11 00-0883	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	680.57	112.06
		For Bituminous Coated Pipe, Add	*91.29*	
		For Bituminous Coated And 25% Paved, Add	*222.75*	
		For Smooth-Flo, Add	*283.46*	
33 42 11 00-0884	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	726.08	123.26
		For Bituminous Coated Pipe, Add	*96.94*	
		For Bituminous Coated And 25% Paved, Add	*236.54*	
		For Smooth-Flo, Add	*301.01*	
33 42 11 00-0885		10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch *(33 42 11 00-0875)*		
33 42 11 00-0886	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	533.31	71.72
		For Bituminous Coated Pipe, Add	*78.14*	
		For Bituminous Coated And 25% Paved, Add	*176.59*	
		For Smooth-Flo, Add	*191.83*	
33 42 11 00-0887	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	575.46	78.44
		For Bituminous Coated Pipe, Add	*83.71*	
		For Bituminous Coated And 25% Paved, Add	*189.19*	
		For Smooth-Flo, Add	*205.52*	
33 42 11 00-0888	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	614.39	84.04
		For Bituminous Coated Pipe, Add	*89.26*	
		For Bituminous Coated And 25% Paved, Add	*201.72*	
		For Smooth-Flo, Add	*219.13*	
33 42 11 00-0889	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	653.47	89.65
		For Bituminous Coated Pipe, Add	*94.83*	
		For Bituminous Coated And 25% Paved, Add	*214.32*	
		For Smooth-Flo, Add	*232.82*	
33 42 11 00-0890	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	692.43	95.25
		For Bituminous Coated Pipe, Add	*100.22*	
		For Bituminous Coated And 25% Paved, Add	*226.50*	
		For Smooth-Flo, Add	*246.04*	
33 42 11 00-0891	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	736.54	100.86
		For Bituminous Coated Pipe, Add	*106.02*	
		For Bituminous Coated And 25% Paved, Add	*239.61*	
		For Smooth-Flo, Add	*260.28*	
33 42 11 00-0892	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	782.46	112.06
		For Bituminous Coated Pipe, Add	*111.67*	
		For Bituminous Coated And 25% Paved, Add	*252.37*	
		For Smooth-Flo, Add	*274.14*	
33 42 11 00-0893	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	833.59	123.26
		For Bituminous Coated Pipe, Add	*118.45*	
		For Bituminous Coated And 25% Paved, Add	*267.69*	
		For Smooth-Flo, Add	*290.78*	
33 42 11 00-0894	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch	881.44	134.47
		For Bituminous Coated Pipe, Add	*124.85*	
		For Bituminous Coated And 25% Paved, Add	*282.16*	
		For Smooth-Flo, Add	*306.50*	
33 42 11 00-0895		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0812)*		
33 42 11 00-0896		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0895)*		
33 42 11 00-0897	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	84.28	11.48
33 42 11 00-0898	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.97	12.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0899	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	113.79	13.57
33 42 11 00-0900	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	129.45	14.61
33 42 11 00-0901	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	166.79	18.79
33 42 11 00-0902	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	218.39	24.66
33 42 11 00-0903		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0895)*		
33 42 11 00-0904	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	96.53	11.48
33 42 11 00-0905	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	111.93	12.53
33 42 11 00-0906	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	130.50	13.57
33 42 11 00-0907	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.87	14.61
33 42 11 00-0908	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.93	18.79
33 42 11 00-0909	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	247.11	24.66
33 42 11 00-0910	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	289.39	29.14
33 42 11 00-0911		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0895)*		
33 42 11 00-0912	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	148.62	12.53
33 42 11 00-0913	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	173.96	13.57
33 42 11 00-0914	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	198.08	14.61
33 42 11 00-0915	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	252.35	18.79
33 42 11 00-0916	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	321.29	24.66
33 42 11 00-0917	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	375.78	29.14
33 42 11 00-0918	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	443.89	33.62
33 42 11 00-0919	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	492.27	38.10
33 42 11 00-0920		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0895)*		
33 42 11 00-0921	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	379.49	24.66
33 42 11 00-0922	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	443.67	29.14
33 42 11 00-0923	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	520.86	33.62
33 42 11 00-0924	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	579.29	38.10
33 42 11 00-0925	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	634.70	40.34
33 42 11 00-0926		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0812)*		
33 42 11 00-0927		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0926)*		
33 42 11 00-0928	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	497.33	38.10
33 42 11 00-0929	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	543.37	40.34
33 42 11 00-0930	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	680.91	49.30
33 42 11 00-0931	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	768.59	71.72
33 42 11 00-0932	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	826.60	78.44
33 42 11 00-0933	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	881.74	84.04
33 42 11 00-0934	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	936.62	89.65
33 42 11 00-0935	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.44	95.25
33 42 11 00-0936		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0926)*		
33 42 11 00-0937	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	683.68	40.34
33 42 11 00-0938	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	837.10	49.30
33 42 11 00-0939	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	938.58	71.72
33 42 11 00-0940	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,010.14	78.44
33 42 11 00-0941	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,078.90	84.04
33 42 11 00-0942	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,147.55	89.65
33 42 11 00-0943	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,216.85	95.25
33 42 11 00-0944	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,289.70	100.86
33 42 11 00-0945	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,364.84	112.06
33 42 11 00-0946	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,445.27	123.26
33 42 11 00-0947		10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0926)*		
33 42 11 00-0948	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,092.79	71.72
33 42 11 00-0949	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,177.11	78.44
33 42 11 00-0950	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,258.61	84.04
33 42 11 00-0951	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,339.65	89.65
33 42 11 00-0952	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,421.65	95.25
33 42 11 00-0953	LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,507.11	100.86
33 42 11 00-0954	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,594.95	112.06
33 42 11 00-0955	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,686.96	123.26
33 42 11 00-0956	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,792.60	134.47
33 42 11 00-0957		125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0812)*		
33 42 11 00-0958		12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0957)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0959	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	924.71	71.72
33 42 11 00-0960	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	992.81	78.44
33 42 11 00-0961	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,057.24	84.04
33 42 11 00-0962	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,121.57	89.65
33 42 11 00-0963	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,187.13	95.25
33 42 11 00-0964	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,256.75	100.86
33 42 11 00-0965	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,328.56	112.06
33 42 11 00-0966	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,413.67	123.26
33 42 11 00-0967		10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch *(33 42 11 00-0957)*		
33 42 11 00-0968	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,089.19	71.72
33 42 11 00-0969	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,170.34	78.44
33 42 11 00-0970	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,248.12	84.04
33 42 11 00-0971	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,326.25	89.65
33 42 11 00-0972	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,403.04	95.25
33 42 11 00-0973	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,487.73	100.86
33 42 11 00-0974	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,573.22	112.06
33 42 11 00-0975	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,672.02	123.26
33 42 11 00-0976	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,764.46	134.47
33 42 11 00-0977		Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0468)*		
33 42 11 00-0978		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0977)*		
33 42 11 00-0979		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0978)*		
33 42 11 00-0980	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	46.96	10.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.77*	
33 42 11 00-0981	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	54.04	11.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*12.31*	
33 42 11 00-0982	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	61.37	12.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.92*	
33 42 11 00-0983	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	70.52	13.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.84*	
33 42 11 00-0984	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	78.36	14.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*20.09*	
33 42 11 00-0985	LF	30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	103.04	18.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*26.06*	
33 42 11 00-0986	LF	36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.68	24.66
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.88*	
33 42 11 00-0987	LF	42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	153.31	29.14
		For 1/2 Bituminous Coated And 25% Paved, Add	*38.89*	
33 42 11 00-0988	LF	48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	172.22	33.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*43.58*	
33 42 11 00-0989		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0978)*		
33 42 11 00-0990	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	52.24	10.95
		For 1/2 Bituminous Coated And 25% Paved, Add	*9.28*	
33 42 11 00-0991	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	60.56	11.48
		For 1/2 Bituminous Coated And 25% Paved, Add	*11.65*	
33 42 11 00-0992	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	69.14	12.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*14.08*	
33 42 11 00-0993	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	79.53	13.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*16.75*	
33 42 11 00-0994	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	88.81	14.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*18.96*	
33 42 11 00-0995	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.83	18.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*24.35*	
33 42 11 00-0996	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	149.16	24.66
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.51*	
33 42 11 00-0997	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	171.13	29.14
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.94*	
33 42 11 00-0998	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	192.53	33.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.37*	
33 42 11 00-0999	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	231.42	38.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*49.64*	
33 42 11 00-1000		12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0978)*		
33 42 11 00-1001	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	85.47	12.53
		For 1/2 Bituminous Coated And 25% Paved, Add	*13.12*	
33 42 11 00-1002	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	98.59	13.57
		For 1/2 Bituminous Coated And 25% Paved, Add	*15.53*	
33 42 11 00-1003	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	110.46	14.61
		For 1/2 Bituminous Coated And 25% Paved, Add	*17.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1004	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	142.86	18.79
		For 1/2 Bituminous Coated And 25% Paved, Add	*22.43*	
33 42 11 00-1005	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	181.77	24.66
		For 1/2 Bituminous Coated And 25% Paved, Add	*27.84*	
33 42 11 00-1006	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	208.91	29.14
		For 1/2 Bituminous Coated And 25% Paved, Add	*32.65*	
33 42 11 00-1007	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	235.64	33.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.83*	
33 42 11 00-1008	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	280.65	38.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*44.47*	
33 42 11 00-1009	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.58	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.62*	
33 42 11 00-1010	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	374.64	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.79*	

33 42 11 00-1011 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0978)*

33 42 11 00-1012	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	211.09	24.66
		For 1/2 Bituminous Coated And 25% Paved, Add	*30.49*	
33 42 11 00-1013	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.20	29.14
		For 1/2 Bituminous Coated And 25% Paved, Add	*35.74*	
33 42 11 00-1014	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	274.56	33.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*40.36*	
33 42 11 00-1015	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	324.30	38.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.09*	
33 42 11 00-1016	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	355.16	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*52.74*	
33 42 11 00-1017	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.00	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*63.64*	
33 42 11 00-1018	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	497.97	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.23*	

33 42 11 00-1019 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0977)*

33 42 11 00-1020 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1019)*

33 42 11 00-1021	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	156.73	24.66
		For 1/2 Bituminous Coated And 25% Paved, Add	*36.55*	
33 42 11 00-1022	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	179.69	29.14
		For 1/2 Bituminous Coated And 25% Paved, Add	*42.93*	
33 42 11 00-1023	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.89	33.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*48.14*	
33 42 11 00-1024	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	241.82	38.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*58.80*	
33 42 11 00-1025	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	263.48	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*64.06*	
33 42 11 00-1026	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	331.63	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.28*	
33 42 11 00-1027	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	393.19	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*87.70*	
33 42 11 00-1028	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	422.99	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*93.14*	
33 42 11 00-1029	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	449.78	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.59*	
33 42 11 00-1030	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	476.56	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.04*	
33 42 11 00-1031	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	504.12	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*109.48*	
33 42 11 00-1032	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	534.90	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.96*	

33 42 11 00-1033 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1019)*

33 42 11 00-1034	LF	54" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	268.30	38.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*50.95*	
33 42 11 00-1035	LF	60" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	292.74	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*55.62*	
33 42 11 00-1036	LF	66" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	363.84	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*70.03*	
33 42 11 00-1037	LF	72" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	428.28	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.84*	
33 42 11 00-1038	LF	78" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	460.92	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.66*	
33 42 11 00-1039	LF	84" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	490.70	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*84.52*	
33 42 11 00-1040	LF	90" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	520.27	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*89.33*	
33 42 11 00-1041	LF	96" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	550.66	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*94.14*	
33 42 11 00-1042	LF	102" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	584.28	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1043	LF	108" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	620.44	112.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*103.84*	
33 42 11 00-1044	LF	114" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	655.84	123.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*108.59*	

33 42 11 00-1045 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1019)

33 42 11 00-1046	LF	60" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.80	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*74.61*	
33 42 11 00-1047	LF	66" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	435.86	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*91.28*	
33 42 11 00-1048	LF	72" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	506.58	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*97.91*	
33 42 11 00-1049	LF	78" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	545.59	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*104.56*	
33 42 11 00-1050	LF	84" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	581.64	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.24*	
33 42 11 00-1051	LF	90" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	617.58	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.90*	
33 42 11 00-1052	LF	96" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	654.30	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.54*	
33 42 11 00-1053	LF	102" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	694.23	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*131.22*	
33 42 11 00-1054	LF	108" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	736.66	112.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.87*	
33 42 11 00-1055	LF	114" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	778.44	123.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*144.47*	
33 42 11 00-1056	LF	120" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	819.12	134.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*151.16*	

33 42 11 00-1057 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-1019)

33 42 11 00-1058	LF	72" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	579.60	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*120.17*	
33 42 11 00-1059	LF	78" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	624.49	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.59*	
33 42 11 00-1060	LF	84" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.56	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.08*	
33 42 11 00-1061	LF	90" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	708.42	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*145.51*	
33 42 11 00-1062	LF	96" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	751.21	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*153.97*	
33 42 11 00-1063	LF	102" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	797.17	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*162.45*	
33 42 11 00-1064	LF	108" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	845.52	112.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*170.89*	
33 42 11 00-1065	LF	114" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	893.28	123.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*179.28*	
33 42 11 00-1066	LF	120" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	939.98	134.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*187.76*	
33 42 11 00-1067	LF	126" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	988.63	145.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*196.18*	
33 42 11 00-1068	LF	132" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,040.21	156.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*204.66*	
33 42 11 00-1069	LF	138" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,095.24	168.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*213.14*	

33 42 11 00-1070 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping
(33 42 11 00-0977)

33 42 11 00-1071 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1070)*

33 42 11 00-1072	LF	48" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.74	33.62
		For 1/2 Bituminous Coated And 25% Paved, Add	*59.64*	
33 42 11 00-1073	LF	54" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.37	38.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*73.07*	
33 42 11 00-1074	LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	264.82	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*79.46*	
33 42 11 00-1075	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	328.65	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*100.04*	
33 42 11 00-1076	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	389.86	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.56*	
33 42 11 00-1077	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	419.26	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*113.08*	
33 42 11 00-1078	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	445.50	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*119.56*	
33 42 11 00-1079	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	471.63	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*125.99*	
33 42 11 00-1080	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	498.90	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*132.56*	
33 42 11 00-1081	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	529.58	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*139.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1082		**14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1070)*		
33 42 11 00-1083	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	276.47	38.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*68.90*	
33 42 11 00-1084	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	301.70	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*75.23*	
33 42 11 00-1085	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	368.81	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*92.57*	
33 42 11 00-1086	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	433.31	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*98.83*	
33 42 11 00-1087	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	466.60	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*105.30*	
33 42 11 00-1088	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	496.52	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*111.66*	
33 42 11 00-1089	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	524.55	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*117.39*	
33 42 11 00-1090	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	557.08	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*124.36*	
33 42 11 00-1091	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	590.90	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*130.72*	
33 42 11 00-1092	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	627.11	112.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*137.02*	
33 42 11 00-1093	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	663.31	123.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.46*	
33 42 11 00-1094		**12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1070)*		
33 42 11 00-1095	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	370.64	40.34
		For 1/2 Bituminous Coated And 25% Paved, Add	*82.99*	
33 42 11 00-1096	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	444.82	49.30
		For 1/2 Bituminous Coated And 25% Paved, Add	*99.61*	
33 42 11 00-1097	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	516.54	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*106.94*	
33 42 11 00-1098	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	556.19	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*114.20*	
33 42 11 00-1099	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	592.64	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*121.42*	
33 42 11 00-1100	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	629.42	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*128.73*	
33 42 11 00-1101	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	666.79	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*135.98*	
33 42 11 00-1102	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	707.23	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*143.23*	
33 42 11 00-1103	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	750.45	112.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*150.53*	
33 42 11 00-1104	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	793.08	123.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*157.79*	
33 42 11 00-1105	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	834.30	134.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*165.05*	
33 42 11 00-1106		**10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** *(33 42 11 00-1070)*		
33 42 11 00-1107	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	596.23	71.72
		For 1/2 Bituminous Coated And 25% Paved, Add	*129.73*	
33 42 11 00-1108	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	643.30	78.44
		For 1/2 Bituminous Coated And 25% Paved, Add	*139.11*	
33 42 11 00-1109	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	686.67	84.04
		For 1/2 Bituminous Coated And 25% Paved, Add	*148.31*	
33 42 11 00-1110	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	729.72	89.65
		For 1/2 Bituminous Coated And 25% Paved, Add	*157.42*	
33 42 11 00-1111	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	773.86	95.25
		For 1/2 Bituminous Coated And 25% Paved, Add	*166.60*	
33 42 11 00-1112	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	820.91	100.86
		For 1/2 Bituminous Coated And 25% Paved, Add	*175.74*	
33 42 11 00-1113	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	870.71	112.06
		For 1/2 Bituminous Coated And 25% Paved, Add	*184.92*	
33 42 11 00-1114	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	920.01	123.26
		For 1/2 Bituminous Coated And 25% Paved, Add	*194.09*	
33 42 11 00-1115	LF	120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	967.75	134.47
		For 1/2 Bituminous Coated And 25% Paved, Add	*203.22*	
33 42 11 00-1116	LF	126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,027.95	145.68
		For 1/2 Bituminous Coated And 25% Paved, Add	*215.28*	
33 42 11 00-1117	LF	132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,083.42	156.89
		For 1/2 Bituminous Coated And 25% Paved, Add	*225.20*	
33 42 11 00-1118	LF	138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,143.62	168.10
		For 1/2 Bituminous Coated And 25% Paved, Add	*235.50*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1119		Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-0977)*		
33 42 11 00-1120		16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1119)*		
33 42 11 00-1121	LF	18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	70.28	12.53
33 42 11 00-1122	LF	21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	80.82	13.57
33 42 11 00-1123	LF	24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	90.55	14.61
33 42 11 00-1124	LF	30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	117.92	18.79
33 42 11 00-1125	LF	36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	151.16	24.66
33 42 11 00-1126	LF	42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	173.47	29.14
33 42 11 00-1127	LF	48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	195.67	33.62
33 42 11 00-1128	LF	54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	232.81	38.10
33 42 11 00-1129	LF	60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	254.42	40.34
33 42 11 00-1130		14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1119)*		
33 42 11 00-1131	LF	18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	77.95	12.53
33 42 11 00-1132	LF	21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	89.78	13.57
33 42 11 00-1133	LF	24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	100.71	14.61
33 42 11 00-1134	LF	30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	130.62	18.79
33 42 11 00-1135	LF	36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	166.44	24.66
33 42 11 00-1136	LF	42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	191.34	29.14
33 42 11 00-1137	LF	48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	216.08	33.62
33 42 11 00-1138	LF	54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	255.76	38.10
33 42 11 00-1139	LF	60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	280.00	40.34
33 42 11 00-1140	LF	66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	340.79	49.30
33 42 11 00-1141	LF	72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	404.24	71.72
33 42 11 00-1142	LF	78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	436.13	78.44
33 42 11 00-1143		12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1119)*		
33 42 11 00-1144	LF	30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	156.35	18.79
33 42 11 00-1145	LF	36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	197.25	24.66
33 42 11 00-1146	LF	42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	227.42	29.14
33 42 11 00-1147	LF	48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	257.24	33.62
33 42 11 00-1148	LF	54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	302.05	38.10
33 42 11 00-1149	LF	60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	331.52	40.34
33 42 11 00-1150	LF	66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	397.34	49.30
33 42 11 00-1151	LF	72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	465.87	71.72
33 42 11 00-1152	LF	78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	502.88	78.44
33 42 11 00-1153	LF	84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	536.69	84.04
33 42 11 00-1154	LF	90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	570.54	89.65
33 42 11 00-1155	LF	96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	605.07	95.25
33 42 11 00-1156	LF	102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe	640.28	100.86
33 42 11 00-1157		Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-0468)*		
33 42 11 00-1158		2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1157)*		
33 42 11 00-1159		16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1158)*		
33 42 11 00-1160	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	55.83	11.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*15.90*	
33 42 11 00-1161	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	62.97	12.53
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.00*	
33 42 11 00-1162	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	72.71	13.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*22.85*	
33 42 11 00-1163	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	82.04	14.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*26.33*	
33 42 11 00-1164	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	106.37	18.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*33.45*	
33 42 11 00-1165	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	139.81	24.66
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.14*	
33 42 11 00-1166		14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1158)*		
33 42 11 00-1167	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	62.36	11.48
		For 1/2 Bituminous Coated And 40% Paved, Add	*16.48*	
33 42 11 00-1168	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	70.88	12.53
		For 1/2 Bituminous Coated And 40% Paved, Add	*19.74*	
33 42 11 00-1169	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	81.62	13.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*23.48*	
33 42 11 00-1170	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	92.34	14.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*27.08*	
33 42 11 00-1171	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	119.22	18.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*34.29*	
33 42 11 00-1172	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	155.09	24.66
		For 1/2 Bituminous Coated And 40% Paved, Add	*43.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1173	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	179.49	29.14
		For 1/2 Bituminous Coated And 40% Paved, Add	*52.04*	
33 42 11 00-1174		**12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1158)*		
33 42 11 00-1175	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	87.01	12.53
		For 1/2 Bituminous Coated And 40% Paved, Add	*18.08*	
33 42 11 00-1176	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	100.74	13.57
		For 1/2 Bituminous Coated And 40% Paved, Add	*21.49*	
33 42 11 00-1177	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	114.00	14.61
		For 1/2 Bituminous Coated And 40% Paved, Add	*24.67*	
33 42 11 00-1178	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	146.25	18.79
		For 1/2 Bituminous Coated And 40% Paved, Add	*31.13*	
33 42 11 00-1179	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	187.74	24.66
		For 1/2 Bituminous Coated And 40% Paved, Add	*39.14*	
33 42 11 00-1180	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	217.57	29.14
		For 1/2 Bituminous Coated And 40% Paved, Add	*46.39*	
33 42 11 00-1181	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	255.50	33.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*55.24*	
33 42 11 00-1182	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	284.53	38.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*60.89*	
33 42 11 00-1183		**10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1158)*		
33 42 11 00-1184	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	217.06	24.66
		For 1/2 Bituminous Coated And 40% Paved, Add	*41.19*	
33 42 11 00-1185	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	251.76	29.14
		For 1/2 Bituminous Coated And 40% Paved, Add	*48.68*	
33 42 11 00-1186	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	294.28	33.62
		For 1/2 Bituminous Coated And 40% Paved, Add	*57.48*	
33 42 11 00-1187	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	328.38	38.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*63.64*	
33 42 11 00-1188	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	359.59	40.34
		For 1/2 Bituminous Coated And 40% Paved, Add	*69.79*	
33 42 11 00-1189		**3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1157)*		
33 42 11 00-1190		**14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1189)*		
33 42 11 00-1191	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	273.53	38.10
		For 1/2 Bituminous Coated And 40% Paved, Add	*91.46*	
33 42 11 00-1192	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	298.97	40.34
		For 1/2 Bituminous Coated And 40% Paved, Add	*100.08*	
33 42 11 00-1193	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	371.00	49.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*125.70*	
33 42 11 00-1194	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	436.85	71.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*134.76*	
33 42 11 00-1195	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	471.92	78.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*144.28*	
33 42 11 00-1196	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	503.99	84.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*153.84*	
33 42 11 00-1197	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	535.94	89.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*163.34*	
33 42 11 00-1198	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	568.78	95.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*172.87*	
33 42 11 00-1199		**12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch** *(33 42 11 00-1189)*		
33 42 11 00-1200	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	364.07	40.34
		For 1/2 Bituminous Coated And 40% Paved, Add	*113.73*	
33 42 11 00-1201	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	443.18	49.30
		For 1/2 Bituminous Coated And 40% Paved, Add	*139.00*	
33 42 11 00-1202	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	515.44	71.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*149.50*	
33 42 11 00-1203	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	556.79	78.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*160.36*	
33 42 11 00-1204	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	595.28	84.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*171.30*	
33 42 11 00-1205	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	633.66	89.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*182.20*	
33 42 11 00-1206	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	672.76	95.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*193.05*	
33 42 11 00-1207	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	715.19	100.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*204.01*	
33 42 11 00-1208	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	760.06	112.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*214.91*	
33 42 11 00-1209	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	807.21	123.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*226.91*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1210		10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1189)*		
33 42 11 00-1211	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	588.41	71.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*161.82*	
33 42 11 00-1212	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	635.83	78.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*173.86*	
33 42 11 00-1213	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	680.30	84.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*185.93*	
33 42 11 00-1214	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	724.55	89.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*197.93*	
33 42 11 00-1215	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	773.71	95.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*211.40*	
33 42 11 00-1216	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	818.08	100.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*222.03*	
33 42 11 00-1217	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	868.97	112.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*234.08*	
33 42 11 00-1218	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	921.55	123.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*246.91*	
33 42 11 00-1219	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	979.90	134.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*262.34*	
33 42 11 00-1220		125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1157)*		
33 42 11 00-1221		12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1220)*		
33 42 11 00-1222	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	522.81	71.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*147.13*	
33 42 11 00-1223	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	563.51	78.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*157.36*	
33 42 11 00-1224	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	600.90	84.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*167.49*	
33 42 11 00-1225	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	638.23	89.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*177.61*	
33 42 11 00-1226	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	676.55	95.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*187.78*	
33 42 11 00-1227	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	718.43	100.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*198.14*	
33 42 11 00-1228	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	762.75	112.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*208.45*	
33 42 11 00-1229	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	813.34	123.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*221.36*	
33 42 11 00-1230		10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch *(33 42 11 00-1220)*		
33 42 11 00-1231	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	603.65	71.72
		For 1/2 Bituminous Coated And 40% Paved, Add	*163.20*	
33 42 11 00-1232	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	650.82	78.44
		For 1/2 Bituminous Coated And 40% Paved, Add	*174.85*	
33 42 11 00-1233	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	694.73	84.04
		For 1/2 Bituminous Coated And 40% Paved, Add	*186.43*	
33 42 11 00-1234	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	738.83	89.65
		For 1/2 Bituminous Coated And 40% Paved, Add	*198.07*	
33 42 11 00-1235	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	782.67	95.25
		For 1/2 Bituminous Coated And 40% Paved, Add	*209.33*	
33 42 11 00-1236	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	831.97	100.86
		For 1/2 Bituminous Coated And 40% Paved, Add	*221.44*	
33 42 11 00-1237	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	883.00	112.06
		For 1/2 Bituminous Coated And 40% Paved, Add	*233.24*	
33 42 11 00-1238	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	940.22	123.26
		For 1/2 Bituminous Coated And 40% Paved, Add	*247.40*	
33 42 11 00-1239	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch	993.84	134.47
		For 1/2 Bituminous Coated And 40% Paved, Add	*260.77*	
33 42 11 00-1240		Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-0468)*		
33 42 11 00-1241		1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1240)*		
33 42 11 00-1242		18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1241)*		
33 42 11 00-1243	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	28.28	6.26
		For Bituminous Coated Pipe, Add	*3.02*	
33 42 11 00-1244	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	36.57	7.82
		For Bituminous Coated Pipe, Add	*4.11*	
33 42 11 00-1245	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	47.45	9.39
		For Bituminous Coated Pipe, Add	*5.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1246		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1241)*		
33 42 11 00-1247	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	31.75	6.26
		For Bituminous Coated Pipe, Add	*3.00*	
33 42 11 00-1248	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	41.48	7.82
		For Bituminous Coated Pipe, Add	*4.10*	
33 42 11 00-1249	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	53.99	9.39
		For Bituminous Coated Pipe, Add	*5.42*	
33 42 11 00-1250		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1240)*		
33 42 11 00-1251		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1250)*		
33 42 11 00-1252	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	54.94	10.95
		For Bituminous Coated Pipe, Add	*5.95*	
33 42 11 00-1253	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	63.94	11.48
		For Bituminous Coated Pipe, Add	*7.47*	
33 42 11 00-1254	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	73.49	12.53
		For Bituminous Coated Pipe, Add	*9.07*	
33 42 11 00-1255	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	84.92	13.57
		For Bituminous Coated Pipe, Add	*10.83*	
33 42 11 00-1256	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	95.02	14.61
		For Bituminous Coated Pipe, Add	*12.28*	
33 42 11 00-1257		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1250)*		
33 42 11 00-1258	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	62.37	10.95
		For Bituminous Coated Pipe, Add	*5.82*	
33 42 11 00-1259	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	73.42	11.48
		For Bituminous Coated Pipe, Add	*7.33*	
33 42 11 00-1260	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	84.85	12.53
		For Bituminous Coated Pipe, Add	*8.88*	
33 42 11 00-1261	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	98.09	13.57
		For Bituminous Coated Pipe, Add	*10.54*	
33 42 11 00-1262	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	110.14	14.61
		For Bituminous Coated Pipe, Add	*11.98*	
33 42 11 00-1263	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	143.00	18.79
		For Bituminous Coated Pipe, Add	*15.36*	
33 42 11 00-1264	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	182.19	24.66
		For Bituminous Coated Pipe, Add	*19.09*	
33 42 11 00-1265		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1250)*		
33 42 11 00-1266	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	139.04	14.61
		For Bituminous Coated Pipe, Add	*11.37*	
33 42 11 00-1267	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	178.97	18.79
		For Bituminous Coated Pipe, Add	*14.47*	
33 42 11 00-1268	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	225.40	24.66
		For Bituminous Coated Pipe, Add	*17.83*	
33 42 11 00-1269	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	260.63	29.14
		For Bituminous Coated Pipe, Add	*20.97*	
33 42 11 00-1270	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	294.80	33.62
		For Bituminous Coated Pipe, Add	*23.74*	
33 42 11 00-1271	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	347.21	38.10
		For Bituminous Coated Pipe, Add	*28.16*	
33 42 11 00-1272		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1250)*		
33 42 11 00-1273	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	271.45	24.66
		For Bituminous Coated Pipe, Add	*17.53*	
33 42 11 00-1274	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	314.27	29.14
		For Bituminous Coated Pipe, Add	*20.58*	
33 42 11 00-1275	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	356.29	33.62
		For Bituminous Coated Pipe, Add	*23.35*	
33 42 11 00-1276	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	416.38	38.10
		For Bituminous Coated Pipe, Add	*27.40*	
33 42 11 00-1277	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	457.92	40.34
		For Bituminous Coated Pipe, Add	*30.20*	
33 42 11 00-1278		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1240)*		
33 42 11 00-1279		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1278)*		
33 42 11 00-1280	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	140.65	18.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1281	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	179.26	24.66
33 42 11 00-1282	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	205.84	29.14
33 42 11 00-1283	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	233.16	33.62
33 42 11 00-1284	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	275.80	38.10
33 42 11 00-1285		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1278)*		
33 42 11 00-1286	LF	30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	159.60	18.79
33 42 11 00-1287	LF	36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	206.29	24.66
33 42 11 00-1288	LF	42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	237.22	29.14
33 42 11 00-1289	LF	48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	267.41	33.62
33 42 11 00-1290	LF	54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	315.92	38.10
33 42 11 00-1291	LF	60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	345.48	40.34
33 42 11 00-1292	LF	66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	420.52	49.30
33 42 11 00-1293	LF	72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	489.79	71.72
33 42 11 00-1294	LF	78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	527.31	78.44
33 42 11 00-1295		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1278)*		
33 42 11 00-1296	LF	30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	203.84	18.79
33 42 11 00-1297	LF	36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	256.04	24.66
33 42 11 00-1298	LF	42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	296.67	29.14
33 42 11 00-1299	LF	48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	335.59	33.62
33 42 11 00-1300	LF	54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	392.46	38.10
33 42 11 00-1301	LF	60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	430.24	40.34
33 42 11 00-1302	LF	66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	513.48	49.30
33 42 11 00-1303	LF	72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	591.16	71.72
33 42 11 00-1304	LF	78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	636.97	78.44
33 42 11 00-1305	LF	84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	679.85	84.04
33 42 11 00-1306	LF	90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	722.59	89.65
33 42 11 00-1307	LF	96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	766.16	95.25
33 42 11 00-1308		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping *(33 42 11 00-1278)*		
33 42 11 00-1309	LF	60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	519.38	40.34
33 42 11 00-1310	LF	66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	607.78	49.30
33 42 11 00-1311	LF	72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	693.93	71.72
33 42 11 00-1312	LF	78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	748.21	78.44
33 42 11 00-1313	LF	84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	799.42	84.04
33 42 11 00-1314	LF	90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	850.60	89.65
33 42 11 00-1315	LF	96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	902.57	95.25
33 42 11 00-1316	LF	102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	957.81	100.86
33 42 11 00-1317	LF	108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe	1,015.51	112.06
33 42 11 00-1318		Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1240)*		
		Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.		
33 42 11 00-1319		16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1318)*		
33 42 11 00-1320	LF	18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	99.00	12.53
33 42 11 00-1321	LF	21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	106.46	13.57
33 42 11 00-1322	LF	24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	128.93	14.61
33 42 11 00-1323	LF	27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	148.89	16.70
33 42 11 00-1324	LF	30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	166.60	18.79
33 42 11 00-1325	LF	33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	186.47	20.87
33 42 11 00-1326		14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1318)*		
33 42 11 00-1327	LF	18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	115.03	12.53
33 42 11 00-1328	LF	21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	133.34	13.57
33 42 11 00-1329	LF	24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	150.48	14.61
33 42 11 00-1330	LF	27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	173.08	16.70
33 42 11 00-1331	LF	30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	193.43	18.79
33 42 11 00-1332	LF	33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	216.04	20.87
33 42 11 00-1333	LF	36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	243.09	24.66
33 42 11 00-1334	LF	42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	281.23	29.14
33 42 11 00-1335	LF	48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	318.27	33.62
33 42 11 00-1336		12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1318)*		
33 42 11 00-1337	LF	30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	245.90	18.79
33 42 11 00-1338	LF	33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	273.63	20.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1339	LF	36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.01	24.66
33 42 11 00-1340	LF	42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	354.70	29.14
33 42 11 00-1341	LF	48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	402.24	33.62
33 42 11 00-1342	LF	54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	559.25	38.10
33 42 11 00-1343	LF	60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	615.64	40.34
33 42 11 00-1344		10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping *(33 42 11 00-1318)*		
33 42 11 00-1345	LF	48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	573.32	33.62
33 42 11 00-1346	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	664.72	38.10
33 42 11 00-1347	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	732.96	40.34
33 42 11 00-1348	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	850.99	49.30
33 42 11 00-1349	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	957.35	71.72
33 42 11 00-1350	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,032.80	78.44
33 42 11 00-1351	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,104.54	84.04
33 42 11 00-1352		Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-0468)*		
33 42 11 00-1353		2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1352)*		
33 42 11 00-1354		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1353)*		
33 42 11 00-1355	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	67.33	11.48
		For Bituminous Coated Pipe, Add	*7.48*	
33 42 11 00-1356	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.70	12.53
		For Bituminous Coated Pipe, Add	*8.94*	
33 42 11 00-1357	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	88.57	13.57
		For Bituminous Coated Pipe, Add	*10.64*	
33 42 11 00-1358		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1353)*		
33 42 11 00-1359	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	76.82	11.48
		For Bituminous Coated Pipe, Add	*7.45*	
33 42 11 00-1360	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	85.81	12.53
		For Bituminous Coated Pipe, Add	*8.59*	
33 42 11 00-1361	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	101.74	13.57
		For Bituminous Coated Pipe, Add	*10.55*	
33 42 11 00-1362	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	115.09	14.61
		For Bituminous Coated Pipe, Add	*12.10*	
33 42 11 00-1363	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	147.93	18.79
		For Bituminous Coated Pipe, Add	*15.32*	
33 42 11 00-1364		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1353)*		
33 42 11 00-1365	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	144.01	14.61
		For Bituminous Coated Pipe, Add	*11.54*	
33 42 11 00-1366	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	183.99	18.79
		For Bituminous Coated Pipe, Add	*14.55*	
33 42 11 00-1367	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	233.89	24.66
		For Bituminous Coated Pipe, Add	*18.16*	
33 42 11 00-1368	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	271.80	29.14
		For Bituminous Coated Pipe, Add	*21.48*	
33 42 11 00-1369		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1353)*		
33 42 11 00-1370	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	279.88	24.66
		For Bituminous Coated Pipe, Add	*17.52*	
33 42 11 00-1371	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	325.54	29.14
		For Bituminous Coated Pipe, Add	*20.67*	
33 42 11 00-1372	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	378.91	33.62
		For Bituminous Coated Pipe, Add	*24.22*	
33 42 11 00-1373	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	423.82	38.10
		For Bituminous Coated Pipe, Add	*26.95*	
33 42 11 00-1374		3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1352)*		
33 42 11 00-1375		14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1374)*		
33 42 11 00-1376	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	323.36	38.10
33 42 11 00-1377	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	354.12	40.34
33 42 11 00-1378	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	431.21	49.30
33 42 11 00-1379		12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1374)*		
33 42 11 00-1380	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	399.90	38.10
33 42 11 00-1381	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	438.88	40.34
33 42 11 00-1382	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	523.78	49.30
33 42 11 00-1383	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	602.25	71.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1384	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	648.84	78.44
33 42 11 00-1385	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	692.51	84.04
33 42 11 00-1386		10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch *(33 42 11 00-1374)*		
33 42 11 00-1387	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	527.90	40.34
33 42 11 00-1388	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	617.70	49.30
33 42 11 00-1389	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	704.62	71.72
33 42 11 00-1390	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	759.67	78.44
33 42 11 00-1391	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	811.67	84.04
33 42 11 00-1392	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch	863.62	89.65
33 42 11 00-1393		Corrugated Steel Pipe Fittings *(33 42 11 00-0468)* Note: Equivalent pipe-arch sizes are approximate.		
33 42 11 00-1394		Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings *(33 42 11 00-1393)* Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1395	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	91.77	
33 42 11 00-1396	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	115.09	
33 42 11 00-1397	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe)	138.40	
33 42 11 00-1398	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	163.19	
33 42 11 00-1399	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	198.13	
33 42 11 00-1400	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	233.08	
33 42 11 00-1401	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	268.06	
33 42 11 00-1402	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	303.00	
33 42 11 00-1403	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	394.80	
33 42 11 00-1404	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	470.54	
33 42 11 00-1405	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	546.30	
33 42 11 00-1406	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	706.56	
33 42 11 00-1407	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	796.89	
33 42 11 00-1408	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	890.12	
33 42 11 00-1409	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	986.27	
33 42 11 00-1410	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,201.87	
33 42 11 00-1411	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,311.12	
33 42 11 00-1412	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe)	1,423.29	
33 42 11 00-1413	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,746.70	
33 42 11 00-1414	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,874.93	
33 42 11 00-1415	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	2,004.57	
33 42 11 00-1416	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,134.22	
33 42 11 00-1417	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,262.42	
33 42 11 00-1418	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	2,392.08	
33 42 11 00-1419	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,528.78	
33 42 11 00-1420	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,673.30	
33 42 11 00-1421	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	2,826.04	
33 42 11 00-1422		Fabricate Corrugated Steel Pipe Tees Or Laterals *(33 42 11 00-1393)* Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.		
33 42 11 00-1423	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	119.47	
33 42 11 00-1424	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	152.97	
33 42 11 00-1425	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	186.45	
33 42 11 00-1426	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe)	219.99	
33 42 11 00-1427	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe)	268.06	
33 42 11 00-1428	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	317.57	
33 42 11 00-1429	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	367.13	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1430	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe)	416.63	
33 42 11 00-1431	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe)	546.30	
33 42 11 00-1432	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	651.20	
33 42 11 00-1433	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	757.53	
33 42 11 00-1434	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe)	983.33	
33 42 11 00-1435	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,107.16	
33 42 11 00-1436	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,235.36	
33 42 11 00-1437	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe)	1,366.47	
33 42 11 00-1438	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe)	1,666.57	
33 42 11 00-1439	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,815.19	
33 42 11 00-1440	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe)	1,966.69	
33 42 11 00-1441	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,419.72	
33 42 11 00-1442	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe)	2,593.10	
33 42 11 00-1443	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,766.46	
33 42 11 00-1444	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe)	2,941.26	
33 42 11 00-1445	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,116.10	
33 42 11 00-1446	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe)	3,289.43	
33 42 11 00-1447	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe)	3,472.44	
33 42 11 00-1448	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,665.61	
33 42 11 00-1449	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe)	3,869.50	

33 42 11 00-1450 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting *(33 42 11 00-1393)*

Note: Applied to pipe tasks.

33 42 11 00-1451	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting	46.14	
33 42 11 00-1452	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting	58.04	
33 42 11 00-1453	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting	73.01	
33 42 11 00-1454	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting	89.40	
33 42 11 00-1455	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	113.13	
33 42 11 00-1456	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	138.52	
33 42 11 00-1457	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	162.26	
33 42 11 00-1458	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	188.52	
33 42 11 00-1459	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	231.54	
33 42 11 00-1460	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	276.07	
33 42 11 00-1461	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	329.40	
33 42 11 00-1462	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	405.20	
33 42 11 00-1463	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	458.63	
33 42 11 00-1464	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	516.50	
33 42 11 00-1465	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	626.35	
33 42 11 00-1466	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	694.61	
33 42 11 00-1467	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	847.49	
33 42 11 00-1468	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	923.22	
33 42 11 00-1469	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,003.40	
33 42 11 00-1470	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,082.00	
33 42 11 00-1471	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,162.15	
33 42 11 00-1472	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,243.77	
33 42 11 00-1473	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,323.95	
33 42 11 00-1474	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,404.08	
33 42 11 00-1475	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,489.06	
33 42 11 00-1476	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,579.17	
33 42 11 00-1477	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting	1,674.75	

33 42 11 00-1478 Coupling Bands, Corrugated Metal Pipe Fitting *(33 42 11 00-1393)*

33 42 11 00-1479	EA	6" Coupling Band, Corrugated Metal Pipe Fitting	17.32	
		For Bituminous Coated, Add	*5.02*	
33 42 11 00-1480	EA	8" Coupling Band, Corrugated Metal Pipe Fitting	23.00	
		For Bituminous Coated, Add	*6.67*	
33 42 11 00-1481	EA	10" Coupling Band, Corrugated Metal Pipe Fitting	28.97	
		For Bituminous Coated, Add	*8.40*	
33 42 11 00-1482	EA	12" Coupling Band, Corrugated Metal Pipe Fitting	48.08	
		For Bituminous Coated, Add	*13.94*	
33 42 11 00-1483	EA	15" Coupling Band, Corrugated Metal Pipe Fitting	60.63	
		For Bituminous Coated, Add	*17.58*	
33 42 11 00-1484	EA	18" Coupling Band, Corrugated Metal Pipe Fitting	88.95	
		For Bituminous Coated, Add	*25.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1485	EA	21" Coupling Band, Corrugated Metal Pipe Fitting	105.57	
		For Bituminous Coated, Add	*30.62*	
33 42 11 00-1486	EA	24" Coupling Band, Corrugated Metal Pipe Fitting	119.71	
		For Bituminous Coated, Add	*34.72*	
33 42 11 00-1487	EA	30" Coupling Band, Corrugated Metal Pipe Fitting	207.17	
		For Bituminous Coated, Add	*60.08*	
33 42 11 00-1488	EA	36" Coupling Band, Corrugated Metal Pipe Fitting	331.46	
		For Bituminous Coated, Add	*79.55*	
33 42 11 00-1489	EA	42" Coupling Band, Corrugated Metal Pipe Fitting	389.45	
		For Bituminous Coated, Add	*93.47*	
33 42 11 00-1490	EA	48" Coupling Band, Corrugated Metal Pipe Fitting	436.39	
		For Bituminous Coated, Add	*104.73*	
33 42 11 00-1491	EA	54" Coupling Band, Corrugated Metal Pipe Fitting	618.86	
		For Bituminous Coated, Add	*148.53*	
33 42 11 00-1492	EA	60" Coupling Band, Corrugated Metal Pipe Fitting	885.17	
		For Bituminous Coated, Add	*159.33*	
33 42 11 00-1493	EA	66" Coupling Band, Corrugated Metal Pipe Fitting	1,087.85	
		For Bituminous Coated, Add	*195.81*	
33 42 11 00-1494	EA	72" Coupling Band, Corrugated Metal Pipe Fitting	1,397.41	
		For Bituminous Coated, Add	*195.64*	
33 42 11 00-1495	EA	78" Coupling Band, Corrugated Metal Pipe Fitting	1,494.62	
		For Bituminous Coated, Add	*209.25*	
33 42 11 00-1496	EA	84" Coupling Band, Corrugated Metal Pipe Fitting	1,592.38	
		For Bituminous Coated, Add	*222.93*	
33 42 11 00-1497	EA	90" Coupling Band, Corrugated Metal Pipe Fitting	1,689.65	
		For Bituminous Coated, Add	*236.55*	
33 42 11 00-1498	EA	96" Coupling Band, Corrugated Metal Pipe Fitting	1,787.16	
		For Bituminous Coated, Add	*250.20*	
33 42 11 00-1499	EA	102" Coupling Band, Corrugated Metal Pipe Fitting	1,884.92	
		For Bituminous Coated, Add	*263.89*	
33 42 11 00-1500	EA	108" Coupling Band, Corrugated Metal Pipe Fitting	1,982.23	
		For Bituminous Coated, Add	*277.51*	
33 42 11 00-1501	EA	114" Coupling Band, Corrugated Metal Pipe Fitting	2,347.73	
		For Bituminous Coated, Add	*281.73*	
33 42 11 00-1502	EA	120" Coupling Band, Corrugated Metal Pipe Fitting	2,176.70	
		For Bituminous Coated, Add	*261.20*	
33 42 11 00-1503	EA	126" Coupling Band, Corrugated Metal Pipe Fitting	2,273.72	
		For Bituminous Coated, Add	*272.85*	
33 42 11 00-1504	EA	132" Coupling Band, Corrugated Metal Pipe Fitting	2,371.43	
		For Bituminous Coated, Add	*284.57*	
33 42 11 00-1505	EA	138" Coupling Band, Corrugated Metal Pipe Fitting	2,469.24	
		For Bituminous Coated, Add	*296.31*	

33 42 13 Stormwater Culverts *(33 42)*

33 42 13 13 Precast Concrete Stormwater Culverts *(33 42 13)*

33 42 13 13-0001 Precast Reinforced Concrete Box Culvert *(33 42 13 13)*

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0867 for crane lifting equipment.

33 42 13 13-0002	LF	3' x 3' Precast Reinforced Concrete Box Culvert	450.73	56.03
		For Each LF Of Cut-Off Section, Add	*18.03*	
33 42 13 13-0003	LF	4' x 2' Precast Reinforced Concrete Box Culvert	508.09	56.03
		For Each LF Of Cut-Off Section, Add	*20.32*	
33 42 13 13-0004	LF	4' x 3' Precast Reinforced Concrete Box Culvert	600.74	56.03
		For Each LF Of Cut-Off Section, Add	*24.03*	
33 42 13 13-0005	LF	5' x 3' Precast Reinforced Concrete Box Culvert	721.15	70.04
		For Each LF Of Cut-Off Section, Add	*28.85*	
33 42 13 13-0006	LF	5' x 4' Precast Reinforced Concrete Box Culvert	738.80	70.04
		For Each LF Of Cut-Off Section, Add	*29.55*	
33 42 13 13-0007	LF	5' x 5' Precast Reinforced Concrete Box Culvert	747.63	70.04
		For Each LF Of Cut-Off Section, Add	*29.91*	
33 42 13 13-0008	LF	6' x 3' Precast Reinforced Concrete Box Culvert	770.82	72.84
		For Each LF Of Cut-Off Section, Add	*30.83*	
33 42 13 13-0009	LF	6' x 4' Precast Reinforced Concrete Box Culvert	775.24	72.84
		For Each LF Of Cut-Off Section, Add	*31.01*	
33 42 13 13-0010	LF	6' x 6' Precast Reinforced Concrete Box Culvert	854.65	72.84
		For Each LF Of Cut-Off Section, Add	*34.19*	
33 42 13 13-0011	LF	7' x 4' Precast Reinforced Concrete Box Culvert	876.86	84.04
		For Each LF Of Cut-Off Section, Add	*35.07*	
33 42 13 13-0012	LF	7' x 6' Precast Reinforced Concrete Box Culvert	936.80	114.30
		For Each LF Of Cut-Off Section, Add	*37.47*	
33 42 13 13-0013	LF	8' x 2' Precast Reinforced Concrete Box Culvert	859.06	72.84
		For Each LF Of Cut-Off Section, Add	*34.36*	
33 42 13 13-0014	LF	8' x 3' Precast Reinforced Concrete Box Culvert	881.27	84.04
		For Each LF Of Cut-Off Section, Add	*35.25*	
33 42 13 13-0015	LF	8' x 4' Precast Reinforced Concrete Box Culvert	894.51	84.04
		For Each LF Of Cut-Off Section, Add	*35.78*	
33 42 13 13-0016	LF	8' x 5' Precast Reinforced Concrete Box Culvert	1,078.84	112.06
		For Each LF Of Cut-Off Section, Add	*43.15*	
33 42 13 13-0017	LF	8' x 6' Precast Reinforced Concrete Box Culvert	1,082.37	112.06
		For Each LF Of Cut-Off Section, Add	*43.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0018	LF	8' x 8' Precast Reinforced Concrete Box Culvert	1,197.00	140.08
		For Each LF Of Cut-Off Section, Add	*47.88*	
33 42 13 13-0019	LF	9' x 4' Precast Reinforced Concrete Box Culvert	1,192.67	112.06
		For Each LF Of Cut-Off Section, Add	*47.71*	
33 42 13 13-0020	LF	9' x 6' Precast Reinforced Concrete Box Culvert	1,261.42	140.08
		For Each LF Of Cut-Off Section, Add	*50.46*	
33 42 13 13-0021	LF	10' x 3' Precast Reinforced Concrete Box Culvert	1,265.83	140.08
		For Each LF Of Cut-Off Section, Add	*50.63*	
33 42 13 13-0022	LF	10' x 4' Precast Reinforced Concrete Box Culvert	1,539.37	140.08
		For Each LF Of Cut-Off Section, Add	*61.57*	
33 42 13 13-0023	LF	10' x 5' Precast Reinforced Concrete Box Culvert	1,612.52	168.10
		For Each LF Of Cut-Off Section, Add	*64.50*	
33 42 13 13-0024	LF	10' x 6' Precast Reinforced Concrete Box Culvert	1,630.17	168.10
		For Each LF Of Cut-Off Section, Add	*65.21*	
33 42 13 13-0025	LF	10' x 7' Precast Reinforced Concrete Box Culvert	1,634.58	168.10
		For Each LF Of Cut-Off Section, Add	*65.38*	
33 42 13 13-0026	LF	10' x 8' Precast Reinforced Concrete Box Culvert	1,640.76	168.10
		For Each LF Of Cut-Off Section, Add	*65.63*	
33 42 13 13-0027	LF	12' x 3' Precast Reinforced Concrete Box Culvert	1,703.34	196.11
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0028	LF	12' x 4' Precast Reinforced Concrete Box Culvert	1,703.34	196.11
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0029	LF	12' x 6' Precast Reinforced Concrete Box Culvert	1,703.34	196.11
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0030	LF	12' x 8' Precast Reinforced Concrete Box Culvert	1,703.34	196.11
		For Each LF Of Cut-Off Section, Add	*68.13*	
33 42 13 13-0031	LF	16' x 10' Precast Reinforced Concrete Box Culvert	2,482.40	224.12
		For Each LF Of Cut-Off Section, Add	*99.30*	
33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,453.04	224.12
		For Each LF Of Cut-Off Section, Add	*138.12*	

33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways *(33 42 13 13)*

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0867 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,126.21	56.03
		For Each LF Of Cut-Off Section, Add	*45.05*	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,210.97	56.03
		For Each LF Of Cut-Off Section, Add	*48.44*	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,360.96	56.03
		For Each LF Of Cut-Off Section, Add	*54.44*	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,538.69	70.04
		For Each LF Of Cut-Off Section, Add	*61.55*	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,688.69	70.04
		For Each LF Of Cut-Off Section, Add	*67.55*	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,838.69	70.04
		For Each LF Of Cut-Off Section, Add	*73.55*	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,694.24	72.84
		For Each LF Of Cut-Off Section, Add	*67.77*	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,844.24	72.84
		For Each LF Of Cut-Off Section, Add	*73.77*	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,144.24	72.84
		For Each LF Of Cut-Off Section, Add	*85.77*	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,016.45	84.04
		For Each LF Of Cut-Off Section, Add	*80.66*	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,376.35	114.30
		For Each LF Of Cut-Off Section, Add	*95.05*	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,844.24	72.84
		For Each LF Of Cut-Off Section, Add	*73.77*	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,016.45	84.04
		For Each LF Of Cut-Off Section, Add	*80.66*	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,166.45	84.04
		For Each LF Of Cut-Off Section, Add	*86.66*	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,371.91	112.06
		For Each LF Of Cut-Off Section, Add	*94.88*	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,521.91	112.06
		For Each LF Of Cut-Off Section, Add	*100.88*	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,877.42	140.08
		For Each LF Of Cut-Off Section, Add	*115.10*	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,546.46	112.06
		For Each LF Of Cut-Off Section, Add	*101.86*	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,922.56	140.08
		For Each LF Of Cut-Off Section, Add	*116.90*	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,889.92	140.08
		For Each LF Of Cut-Off Section, Add	*115.60*	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,068.03	140.08
		For Each LF Of Cut-Off Section, Add	*122.72*	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,301.64	168.10
		For Each LF Of Cut-Off Section, Add	*132.07*	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,479.75	168.10
		For Each LF Of Cut-Off Section, Add	*139.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,657.89	168.10
		For Each LF Of Cut-Off Section, Add	*146.32*	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,836.00	168.10
		For Each LF Of Cut-Off Section, Add	*153.44*	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,830.91	196.11
		For Each LF Of Cut-Off Section, Add	*153.24*	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	4,033.37	196.11
		For Each LF Of Cut-Off Section, Add	*161.33*	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,438.35	196.11
		For Each LF Of Cut-Off Section, Add	*177.53*	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,843.34	196.11
		For Each LF Of Cut-Off Section, Add	*193.73*	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,798.80	224.12
		For Each LF Of Cut-Off Section, Add	*231.95*	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,328.72	224.12
		For Each LF Of Cut-Off Section, Add	*293.15*	

33 42 23 Headwalls and Endwalls for Stormwater Piping *(33 42)*

33 42 23 00-0001 Headwalls *(33 42 23)*

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

33 42 23 00-0002 Cast In Place Concrete Headwalls *(33 42 23 00-0001)*

Note: Includes concrete, forms, rebar (where required), finish and curing.

33 42 23 00-0003 Skewed Wingwall, Cast In Place Concrete Headwall *(33 42 23 00-0002)*

Note: Sized by pipe diameter.

33 42 23 00-0004	EA	12" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	1,651.47	736.42
33 42 23 00-0005	EA	15" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,080.01	785.52
33 42 23 00-0006	EA	18" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	2,718.22	1,028.93
33 42 23 00-0007	EA	24" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	4,252.51	1,472.86
33 42 23 00-0008	EA	30" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	5,911.68	1,963.80
33 42 23 00-0009	EA	36" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	7,161.64	2,588.51
33 42 23 00-0010	EA	42" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	9,854.05	3,570.53
33 42 23 00-0011	EA	48" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	11,716.61	4,208.10
33 42 23 00-0012	EA	54" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	14,093.47	5,123.01
33 42 23 00-0013	EA	60" Pipe, Skewed Wingwall, Cast In Place Concrete Headwall	16,908.96	6,201.47

33 42 23 00-0014 Precast Concrete Headwalls *(33 42 23 00-0001)*

33 42 23 00-0015	EA	12" Pipe, Precast Concrete Headwall	910.43	187.86
33 42 23 00-0016	EA	15" Pipe, Precast Concrete Headwall	941.73	198.29
33 42 23 00-0017	EA	18" Pipe, Precast Concrete Headwall	1,036.50	225.43
33 42 23 00-0018	EA	24" Pipe, Precast Concrete Headwall	1,145.21	240.04
33 42 23 00-0019	EA	30" Pipe, Precast Concrete Headwall	1,539.08	281.79
33 42 23 00-0020	EA	36" Pipe, Precast Concrete Headwall	1,728.62	292.22
33 42 23 00-0021	EA	42" Pipe, Precast Concrete Headwall	2,278.06	345.82
33 42 23 00-0022	EA	48" Pipe, Precast Concrete Headwall	2,515.64	381.01
33 42 23 00-0023	EA	54" Pipe, Precast Concrete Headwall	2,776.67	403.42
33 42 23 00-0024	EA	60" Pipe, Precast Concrete Headwall	3,151.39	403.42
33 42 23 00-0025	EA	72" Pipe, Precast Concrete Headwall	3,811.18	504.28
33 42 23 00-0026	EA	84" Pipe, Precast Concrete Headwall	5,402.99	605.14

33 42 23 00-0027 Precast Concrete Wingwalls *(33 42 23 00-0001)*

33 42 23 00-0028	EA	18" ID Pipe (26" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	5,687.41	1,996.94
33 42 23 00-0029	EA	24" ID Pipe (32" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,023.60	2,218.82
33 42 23 00-0030	EA	30" ID Pipe (42" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,583.91	2,588.62
33 42 23 00-0031	EA	33" ID Pipe (46" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	7,144.22	2,958.43
33 42 23 00-0032	EA	36" ID Pipe (50" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,144.22	2,958.43
33 42 23 00-0033	EA	44" ID Pipe (58" Hole) Precast Concrete Wingwall Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,368.34	3,106.35
33 42 23 00-0034	EA	48" ID Pipe (62" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	12,748.54	3,180.31
33 42 23 00-0035	EA	52" ID Pipe (66" Hole) Precast Concrete Wingwall Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	13,084.73	3,402.19

33 42 23 00-0036 Precast Concrete Transverse Drainage Interceptor *(33 42 23 00-0001)*

33 42 23 00-0037	EA	34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate	3,732.36	784.43

33 42 26 End Sections for Stormwater Piping *(33 42)*

33 42 26 16 Corrugated Metal End Sections for Stormwater Piping *(33 42 26)*

33 42 26 16-0001 Corrugated Metal Pipe End Sections *(33 42 26 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0002		**Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0003		**Type 1 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA	12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	321.62	73.05
33 42 26 16-0005	EA	15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	376.06	78.27
33 42 26 16-0006	EA	18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	442.44	83.50
33 42 26 16-0007	EA	21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	540.03	91.32
33 42 26 16-0008	EA	24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section	599.09	99.15
33 42 26 16-0009		**Type 2 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA	30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	986.45	112.20
33 42 26 16-0011	EA	36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,286.31	134.47
33 42 26 16-0012	EA	42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	1,996.96	156.89
33 42 26 16-0013	EA	48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,444.56	179.30
33 42 26 16-0014	EA	54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	2,907.78	224.12
33 42 26 16-0015	EA	60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section	3,392.86	268.95
33 42 26 16-0016		**Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections** *(33 42 26 16-0002)*		
		Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA	12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	337.30	73.05
33 42 26 16-0018	EA	15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	392.19	78.27
33 42 26 16-0019	EA	18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	467.23	83.50
33 42 26 16-0020	EA	21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	569.80	91.32
33 42 26 16-0021	EA	24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	632.83	99.15
33 42 26 16-0022	EA	30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,090.08	112.20
33 42 26 16-0023	EA	36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	1,415.93	134.47
33 42 26 16-0024	EA	42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,277.94	156.89
33 42 26 16-0025	EA	48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	2,807.18	179.30
33 42 26 16-0026	EA	54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	3,274.48	224.12
33 42 26 16-0027	EA	60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	4,554.29	268.95
33 42 26 16-0028	EA	66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,129.31	403.42
33 42 26 16-0029	EA	72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	5,975.95	537.90
33 42 26 16-0030	EA	78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	6,512.92	577.11
33 42 26 16-0031	EA	84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section	7,063.37	616.33
33 42 26 16-0032		**Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section** *(33 42 26 16-0002)*		
33 42 26 16-0033	EA	Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section	43.41	
33 42 26 16-0034	EA	Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section	48.60	
33 42 26 16-0035	EA	Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section	54.97	
33 42 26 16-0036	EA	Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section	59.80	
33 42 26 16-0037	EA	Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section	67.03	
33 42 26 16-0038	EA	Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section	118.44	
33 42 26 16-0039	EA	Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section	127.41	
33 42 26 16-0040	EA	Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section	175.90	
33 42 26 16-0041	EA	Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section	187.99	
33 42 26 16-0042	EA	Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section	230.01	
33 42 26 16-0043	EA	Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section	235.18	
33 42 26 16-0044	EA	Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section	250.06	
33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section	281.45	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section	315.04	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension	322.10	
33 42 26 16-0048		**Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0001)*		
33 42 26 16-0049		**Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	376.06	78.27
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	442.44	83.50
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	540.03	91.32
33 42 26 16-0053	EA	28" x 20" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section	599.09	99.15
33 42 26 16-0054		**Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** *(33 42 26 16-0048)*		
		Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0055	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	362.52	78.27
33 42 26 16-0056	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	417.40	83.50
33 42 26 16-0057	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	468.35	91.32
33 42 26 16-0058	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	530.64	99.15
33 42 26 16-0059	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	791.33	112.20
33 42 26 16-0060	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,170.00	134.47
33 42 26 16-0061	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	1,842.70	156.89
33 42 26 16-0062	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section	2,341.78	179.30

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0063			Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0048)*		
			Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0064		EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	369.39	78.27
33 42 26 16-0065		EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	432.34	83.50
33 42 26 16-0066		EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	491.70	91.32
33 42 26 16-0067		EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	558.32	99.15
33 42 26 16-0068		EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	838.37	112.20
33 42 26 16-0069		EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,234.16	134.47
33 42 26 16-0070		EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	1,945.34	156.89
33 42 26 16-0071		EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,459.89	179.30
33 42 26 16-0072		EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	2,956.31	224.12
33 42 26 16-0073		EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	3,896.78	268.95
33 42 26 16-0074		EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,427.36	403.42
33 42 26 16-0075		EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section	5,971.96	537.90
33 42 26 16-0076			Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0048)*		
33 42 26 16-0077		EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section	48.60	
33 42 26 16-0078		EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section	54.97	
33 42 26 16-0079		EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section	59.80	
33 42 26 16-0080		EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section	67.03	
33 42 26 16-0081		EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section	118.44	
33 42 26 16-0082		EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section	127.41	
33 42 26 16-0083		EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section	175.90	
33 42 26 16-0084		EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section	195.76	
33 42 26 16-0085		EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section	230.01	
33 42 26 16-0086		EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section	238.27	
33 42 26 16-0087		EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section	275.25	
33 42 26 16-0088		EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section	309.17	
33 42 26 16-0089			Corrugated Aluminum Pipe End Sections *(33 42 26 16-0001)*		
33 42 26 16-0090			Corrugated Aluminum Pipe End Sections *(33 42 26 16-0089)*		
33 42 26 16-0091		EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	503.87	73.05
33 42 26 16-0092		EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	583.57	78.27
33 42 26 16-0093		EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	696.39	83.50
33 42 26 16-0094		EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section	869.25	91.32
33 42 26 16-0095		EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,145.09	99.15
33 42 26 16-0096		EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	1,734.92	112.20
33 42 26 16-0097		EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section	2,370.34	134.47
33 42 26 16-0098		EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	2,966.61	134.47
33 42 26 16-0099		EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	3,790.85	156.89
33 42 26 16-0100		EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	5,432.29	179.30
33 42 26 16-0101		EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section	6,004.86	224.12
33 42 26 16-0102		EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	8,109.67	268.95
33 42 26 16-0103		EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	9,137.56	403.42
33 42 26 16-0104		EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	10,655.48	537.90
33 42 26 16-0105		EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	11,642.62	577.11
33 42 26 16-0106		EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	12,281.52	616.33
33 42 26 16-0107		EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	16,885.13	672.37
33 42 26 16-0108		EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	18,700.24	728.40
33 42 26 16-0109			Toe Plate Extensions For Corrugated Aluminum Pipe End Section *(33 42 26 16-0089)*		
33 42 26 16-0110		EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	78.89	
33 42 26 16-0111		EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	83.81	
33 42 26 16-0112		EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	91.24	
33 42 26 16-0113		EA	Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section	103.03	
33 42 26 16-0114		EA	Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	109.12	
33 42 26 16-0115		EA	Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	140.92	
33 42 26 16-0116		EA	Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section	167.28	
33 42 26 16-0117		EA	Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	177.24	
33 42 26 16-0118		EA	Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	194.47	
33 42 26 16-0119		EA	Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	219.86	
33 42 26 16-0120		EA	Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section	260.54	
33 42 26 16-0121		EA	Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	370.10	
33 42 26 16-0122		EA	Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	396.32	
33 42 26 16-0123		EA	Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	497.42	
33 42 26 16-0124		EA	Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	537.70	
33 42 26 16-0125		EA	Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	572.73	
33 42 26 16-0126		EA	Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	609.66	
33 42 26 16-0127		EA	Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section	646.88	
33 42 26 16-0128			Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0001)*		
33 42 26 16-0129			Corrugated Aluminum Pipe-Arch End Sections *(33 42 26 16-0128)*		
33 42 26 16-0130		EA	17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	602.85	78.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0131	EA	21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	743.37	83.50
33 42 26 16-0132	EA	24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	806.94	91.32
33 42 26 16-0133	EA	28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	870.45	99.15
33 42 26 16-0134	EA	35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	1,322.96	112.20
33 42 26 16-0135	EA	42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,397.74	134.47
33 42 26 16-0136	EA	42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	2,548.92	134.47
33 42 26 16-0137	EA	49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	3,417.98	156.89
33 42 26 16-0138	EA	57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	5,287.08	179.30
33 42 26 16-0139	EA	64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	6,044.29	224.12
33 42 26 16-0140	EA	71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	7,309.06	268.95
33 42 26 16-0141	EA	77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,267.00	403.42
33 42 26 16-0142	EA	83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	12,819.78	537.90
33 42 26 16-0143	EA	87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	13,962.64	577.11
33 42 26 16-0144	EA	95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	14,566.71	616.33
33 42 26 16-0145	EA	103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	15,877.55	672.37
33 42 26 16-0146	EA	112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	16,812.56	728.40

33 42 26 16-0147 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section *(33 42 26 16-0128)*

33 42 26 16-0148	EA	Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	83.81	
33 42 26 16-0149	EA	Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	91.24	
33 42 26 16-0150	EA	Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	96.06	
33 42 26 16-0151	EA	Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section	105.29	
33 42 26 16-0152	EA	Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	119.02	
33 42 26 16-0153	EA	Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section	154.69	
33 42 26 16-0154	EA	Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	170.57	
33 42 26 16-0155	EA	Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	194.47	
33 42 26 16-0156	EA	Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	219.86	
33 42 26 16-0157	EA	Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section	260.54	
33 42 26 16-0158	EA	Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	334.78	
33 42 26 16-0159	EA	Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	425.88	
33 42 26 16-0160	EA	Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	571.34	
33 42 26 16-0161	EA	Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	650.22	
33 42 26 16-0162	EA	Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	680.05	
33 42 26 16-0163	EA	Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	703.84	
33 42 26 16-0164	EA	Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section	733.39	

33 42 26 16-0165 Low Slope Corrugated Steel Pipe End Sections And Accessories *(33 42 26 16-0001)*

33 42 26 16-0166 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

33 42 26 16-0167	EA	15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	787.94	78.27
33 42 26 16-0168	EA	18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,023.97	83.50
33 42 26 16-0169	EA	21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,259.64	91.32
33 42 26 16-0170	EA	24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,512.32	99.15
33 42 26 16-0171	EA	30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	1,596.11	112.20
33 42 26 16-0172	EA	36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	2,093.48	134.47
33 42 26 16-0173	EA	42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section	3,343.50	156.89

33 42 26 16-0174 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

Note: Includes nut and bolt set.

33 42 26 16-0175	EA	3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section	570.51
33 42 26 16-0176	EA	3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section	1,163.81
33 42 26 16-0177	EA	3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section	1,277.22
33 42 26 16-0178	EA	3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section	1,326.72

33 42 26 16-0179 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

33 42 26 16-0180	EA	15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	827.09	78.27
33 42 26 16-0181	EA	18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,094.40	83.50
33 42 26 16-0182	EA	21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,466.88	91.32
33 42 26 16-0183	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	1,727.71	99.15
33 42 26 16-0184	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,053.35	112.20
33 42 26 16-0185	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	2,497.06	134.47
33 42 26 16-0186	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section	3,848.45	156.89

33 42 26 16-0187 3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections *(33 42 26 16-0165)*

Note: Includes nut and bolt set.

33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section	1,125.30
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section	1,192.51
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section	1,311.14
33 42 26 16-0191	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section	1,373.68

33 42 26 16-0192 Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section *(33 42 26 16-0165)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 16-0193	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section	94.18	
33 42 26 16-0194	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section	106.29	
33 42 26 16-0195	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section	115.74	
33 42 26 16-0196	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section	129.47	
33 42 26 16-0197	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section	199.25	
33 42 26 16-0198	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section	213.90	
33 42 26 16-0199	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section	289.56	
33 42 26 16-0200		Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories *(33 42 26 16-0001)*		
33 42 26 16-0201		4:1 Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0202	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	941.50	83.50
33 42 26 16-0203	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,188.59	91.32
33 42 26 16-0204	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	1,411.70	99.15
33 42 26 16-0205	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section	2,700.79	112.20
33 42 26 16-0206		3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections *(33 42 26 16-0200)*		
		Note: Includes nut and bolt set.		
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section	682.41	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section	1,259.98	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section	1,326.72	
33 42 26 16-0210	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section	1,962.02	
33 42 26 16-0211		Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section *(33 42 26 16-0200)*		
33 42 26 16-0212	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section	95.04	
33 42 26 16-0213	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section	108.22	
33 42 26 16-0214	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section	118.00	
33 42 26 16-0215	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section	139.37	
33 42 26 19		**Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 19-0001		Corrugated High-Density Polyethylene (HDPE) Pipe End Sections *(33 42 26 19)*		
33 42 26 19-0002	EA	4" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	58.99	20.76
33 42 26 19-0003	EA	6" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	107.69	31.15
33 42 26 19-0004	EA	8" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	145.25	38.93
33 42 26 19-0005	EA	10" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	229.05	62.29
33 42 26 19-0006	EA	12" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	270.87	70.08
33 42 26 19-0007	EA	15" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	287.79	75.28
33 42 26 19-0008	EA	18" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	340.93	83.07
33 42 26 19-0009	EA	24" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	437.97	98.63
33 42 26 19-0010	EA	30" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	876.50	111.62
33 42 26 19-0011	EA	36" End Section, Corrugated High-Density Polyethylene (HDPE) Pipe	1,065.78	124.59
33 42 26 23		**Concrete End Sections for Stormwater Piping** *(33 42 26)*		
33 42 26 23-0001		Precast Concrete End Sections *(33 42 26 23)*		
33 42 26 23-0002		Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section	741.86	122.42
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section	996.28	151.54
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section	1,233.42	191.82
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section	1,415.16	229.39
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section	1,503.34	265.51
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section	1,893.26	333.94
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section	2,346.01	501.58
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section	2,896.31	632.92
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section	3,503.54	793.96
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section	3,839.29	895.37
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section	4,187.12	1,002.96
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section	4,543.70	1,115.01
33 42 26 23-0015	EA	66" Diameter Pipe Precast Concrete End Section	4,523.81	889.71
33 42 26 23-0016	EA	72" Diameter Pipe Precast Concrete End Section	5,178.37	1,112.11
33 42 26 23-0017	EA	78" Diameter Pipe Precast Concrete End Section	6,154.70	1,390.15
33 42 26 23-0018	EA	84" Diameter Pipe Precast Concrete End Section	7,281.90	1,668.18
33 42 26 23-0019		Flared Precast Concrete End Sections *(33 42 26 23-0001)*		
33 42 26 23-0020	EA	12" Diameter Pipe, Flared Precast Concrete End Section	934.89	130.55
33 42 26 23-0021	EA	15" Diameter Pipe, Flared Precast Concrete End Section	1,125.74	162.72
33 42 26 23-0022	EA	18" Diameter Pipe, Flared Precast Concrete End Section	1,366.51	205.97
33 42 26 23-0023	EA	21" Diameter Pipe, Flared Precast Concrete End Section	1,561.26	246.31
33 42 26 23-0024	EA	24" Diameter Pipe, Flared Precast Concrete End Section	1,905.39	285.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 26 23-0025	EA	27" Diameter Pipe, Flared Precast Concrete End Section	2,295.69	455.31
33 42 26 23-0026	EA	30" Diameter Pipe, Flared Precast Concrete End Section	2,385.50	626.87
33 42 26 23-0027	EA	36" Diameter Pipe, Flared Precast Concrete End Section	3,224.17	791.16
33 42 26 23-0028	EA	42" Diameter Pipe, Flared Precast Concrete End Section	3,868.13	992.64
33 42 26 23-0029	EA	48" Diameter Pipe, Flared Precast Concrete End Section	4,184.63	1,119.50
33 42 26 23-0030	EA	54" Diameter Pipe, Flared Precast Concrete End Section	4,680.51	1,253.86
33 42 26 23-0031	EA	60" Diameter Pipe, Flared Precast Concrete End Section	5,185.71	1,392.70
33 42 26 23-0032	EA	66" Diameter Pipe, Flared Precast Concrete End Section	6,048.91	1,604.61
33 42 26 23-0033	EA	72" Diameter Pipe, Flared Precast Concrete End Section	7,056.83	1,790.96
33 42 26 23-0034	EA	78" Diameter Pipe, Flared Precast Concrete End Section	8,002.51	2,014.76
33 42 26 23-0035	EA	84" Diameter Pipe, Flared Precast Concrete End Section	9,232.97	2,238.32

33 42 31 Stormwater Area Drains and Inlets *(33 42)*

33 42 31 00-0001 Storm Drains *(33 42 31)*

33 42 31 00-0002 Catch Basins And Inlet Basins *(33 42 31 00-0001)*

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

33 42 31 00-0003 Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0002)*

Note: Inside dimensions.

33 42 31 00-0004 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

33 42 31 00-0005	EA	2' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	1,922.44	362.21
33 42 31 00-0006	EA	3' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,294.04	424.40
33 42 31 00-0007	EA	4' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,665.64	486.47
33 42 31 00-0008	EA	5' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,037.23	548.67
33 42 31 00-0009	EA	6' Deep, 3' x 3' x 4" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,408.83	610.74

33 42 31 00-0010 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

33 42 31 00-0011	EA	2' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,449.40	360.03
33 42 31 00-0012	EA	3' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,036.36	480.05
33 42 31 00-0013	EA	4' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,884.96	654.60
33 42 31 00-0014	EA	5' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,725.67	763.70
33 42 31 00-0015	EA	6' Deep, 3'-8" x 3'-8" x 6" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,399.42	872.80

33 42 31 00-0016 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basins *(33 42 31 00-0003)*

33 42 31 00-0017	EA	2' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	2,631.48	392.76
33 42 31 00-0018	EA	3' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	3,644.40	545.50
33 42 31 00-0019	EA	4' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	4,462.25	709.15
33 42 31 00-0020	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	5,153.24	818.25
33 42 31 00-0021	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Grate Drop Inlet Basin	6,538.40	1,047.36

33 42 31 00-0022 Cast In Place, Catch Basin *(33 42 31 00-0002)*

Note: Inside span, overall depth. Includes concrete, forms, rebar (where required), finish and curing.

33 42 31 00-0023 3' x 3', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0024	EA	3' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,405.97	437.93
33 42 31 00-0025	EA	3'-6" Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,552.25	465.64
33 42 31 00-0026	EA	4' Deep, 3' x 3' x 6" Thick Wall, Cast In Place, Catch Basin	2,790.37	500.12
33 42 31 00-0027	EA	4'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,134.65	553.57
33 42 31 00-0028	EA	5' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,382.04	589.25
33 42 31 00-0029	EA	5'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,542.51	617.95
33 42 31 00-0030	EA	6' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,790.10	653.62
33 42 31 00-0031	EA	6'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	3,946.29	682.42
33 42 31 00-0032	EA	7' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,196.25	717.99
33 42 31 00-0033	EA	7'-6" Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,354.35	746.79
33 42 31 00-0034	EA	8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	4,601.83	782.47
33 42 31 00-0035	VLF	>8' Deep, 3' x 3' x 8" Thick Wall, Cast In Place, Catch Basin	575.26	97.75

33 42 31 00-0036 3'-6" x 3'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0037	EA	3' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,768.82	506.23
33 42 31 00-0038	EA	3'-6" Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	2,954.38	541.80
33 42 31 00-0039	EA	4' Deep, 3'-6" x 3'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,202.15	577.47
33 42 31 00-0040	EA	4'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,604.68	639.55
33 42 31 00-0041	EA	5' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	3,876.32	679.91
33 42 31 00-0042	EA	5'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,060.84	713.41
33 42 31 00-0043	EA	6' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,336.54	753.77
33 42 31 00-0044	EA	6'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,521.06	787.27
33 42 31 00-0045	EA	7' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,794.96	827.64
33 42 31 00-0046	EA	7'-6" Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,978.92	861.13
33 42 31 00-0047	EA	8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,252.92	901.50
33 42 31 00-0048	VLF	>8' Deep, 3'-6" x 3'-6" x 8" Thick Wall, Cast In Place, Catch Basin	656.64	112.70

33 42 31 00-0049 4' x 4', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0050	EA	3' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,157.64	579.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0051	EA	3'-6" Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,352.85	615.87
33 42 31 00-0052	EA	4' Deep, 4' x 4' x 6" Thick Wall, Cast In Place, Catch Basin	3,637.55	659.40
33 42 31 00-0053	EA	4'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,098.99	730.21
33 42 31 00-0054	EA	5' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,398.84	775.27
33 42 31 00-0055	EA	5'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,609.11	813.56
33 42 31 00-0056	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	4,908.97	858.62
33 42 31 00-0057	EA	6'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,119.79	896.92
33 42 31 00-0058	EA	7' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,419.65	941.97
33 42 31 00-0059	EA	7'-6" Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,629.92	980.27
33 42 31 00-0060	EA	8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	5,929.78	1,025.43
33 42 31 00-0061	VLF	>8' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Catch Basin	741.18	128.19

33 42 31 00-0062 4'-6" x 4'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0063	EA	3' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,663.46	671.51
33 42 31 00-0064	EA	3'-6" Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	3,892.97	709.48
33 42 31 00-0065	EA	4' Deep, 4'-6" x 4'-6" x 6" Thick Wall, Cast In Place, Catch Basin	4,210.24	758.57
33 42 31 00-0066	EA	4'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	4,736.75	839.09
33 42 31 00-0067	EA	5' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,071.66	889.93
33 42 31 00-0068	EA	5'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,317.10	933.90
33 42 31 00-0069	EA	6' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,651.46	984.73
33 42 31 00-0070	EA	6'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	5,896.90	1,028.82
33 42 31 00-0071	EA	7' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,231.81	1,079.66
33 42 31 00-0072	EA	7'-6" Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,474.88	1,123.62
33 42 31 00-0073	EA	8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,811.61	1,174.46
33 42 31 00-0074	VLF	>8' Deep, 4'-6" x 4'-6" x 8" Thick Wall, Cast In Place, Catch Basin	851.51	146.85

33 42 31 00-0075 5' x 5', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0076	EA	4' Deep, 5' x 5' x 6" Thick Wall, Cast In Place, Catch Basin	4,714.33	851.74
33 42 31 00-0077	EA	4'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,300.93	941.21
33 42 31 00-0078	EA	5' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,664.50	996.96
33 42 31 00-0079	EA	5'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	5,936.23	1,045.84
33 42 31 00-0080	EA	6' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,295.62	1,101.47
33 42 31 00-0081	EA	6'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,569.71	1,150.35
33 42 31 00-0082	EA	7' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,930.92	1,206.10
33 42 31 00-0083	EA	7'-6" Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,200.84	1,254.98
33 42 31 00-0084	EA	8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	7,564.41	1,310.62
33 42 31 00-0085	VLF	>8' Deep, 5' x 5' x 8" Thick Wall, Cast In Place, Catch Basin	1,326.61	163.87

33 42 31 00-0086 5'-6" x 5'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0087	EA	4' Deep, 5'-6" x 5'-6" x 6" Thick Wall, Cast In Place, Catch Basin	5,243.11	949.82
33 42 31 00-0088	EA	4'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,124.78	1,075.19
33 42 31 00-0089	EA	5' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	6,529.59	1,137.15
33 42 31 00-0090	EA	5'-6" Deep, 5'-6" x 5' x 8" Thick Wall, Cast In Place, Catch Basin	6,842.54	1,192.69
33 42 31 00-0091	EA	6' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,249.16	1,255.09
33 42 31 00-0092	EA	6'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,564.48	1,310.62
33 42 31 00-0093	EA	7' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,969.28	1,373.02
33 42 31 00-0094	EA	7'-6" Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,282.24	1,428.55
33 42 31 00-0095	EA	8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,687.04	1,490.96
33 42 31 00-0096	VLF	>8' Deep, 5'-6" x 5'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,085.88	186.34

33 42 31 00-0097 6' x 6', Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0098	EA	4' Deep, 6' x 6' x 6" Thick Wall, Cast In Place, Catch Basin	5,800.13	1,052.49
33 42 31 00-0099	EA	4'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	6,772.27	1,190.07
33 42 31 00-0100	EA	5' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,206.38	1,257.49
33 42 31 00-0101	EA	5'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,549.20	1,318.04
33 42 31 00-0102	EA	6' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	7,980.95	1,385.46
33 42 31 00-0103	EA	6'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,325.58	1,446.01
33 42 31 00-0104	EA	7' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	8,757.88	1,513.44
33 42 31 00-0105	EA	7'-6" Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,100.15	1,573.99
33 42 31 00-0106	EA	8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	9,534.27	1,641.42
33 42 31 00-0107	VLF	>8' Deep, 6' x 6' x 8" Thick Wall, Cast In Place, Catch Basin	1,191.84	205.22

33 42 31 00-0108 6'-6" x 6'-6", Cast In Place, Catch Basins *(33 42 31 00-0022)*

33 42 31 00-0109	EA	4' Deep, 6'-6" x 6'-6" x 6" Thick Wall, Cast In Place, Catch Basin	6,381.18	1,160.07
33 42 31 00-0110	EA	4'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	7,743.81	1,344.00
33 42 31 00-0111	EA	5' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,223.59	1,418.63
33 42 31 00-0112	EA	5'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	8,613.78	1,486.38
33 42 31 00-0113	EA	6' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,093.56	1,560.90
33 42 31 00-0114	EA	6'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,483.74	1,628.76
33 42 31 00-0115	EA	7' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,963.53	1,703.27
33 42 31 00-0116	EA	7'-6" Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,353.71	1,771.02
33 42 31 00-0117	EA	8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,835.30	1,845.65
33 42 31 00-0118	VLF	>8' Deep, 6'-6" x 6'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,354.36	230.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0119		**7' x 7', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0120	EA	4' Deep, 7' x 7' x 6" Thick Wall, Cast In Place, Catch Basin	6,988.86	1,272.33
33 42 31 00-0121	EA	4'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,481.93	1,473.07
33 42 31 00-0122	EA	5' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	8,991.68	1,552.93
33 42 31 00-0123	EA	5'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,410.13	1,625.81
33 42 31 00-0124	EA	6' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	9,922.12	1,705.56
33 42 31 00-0125	EA	6'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,340.57	1,778.55
33 42 31 00-0126	EA	7' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	10,850.31	1,858.30
33 42 31 00-0127	EA	7'-6" Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,271.13	1,931.29
33 42 31 00-0128	EA	8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	11,780.76	2,011.04
33 42 31 00-0129	VLF	>8' Deep, 7' x 7' x 8" Thick Wall, Cast In Place, Catch Basin	1,472.65	251.36
33 42 31 00-0130		**7'-6" x 7'-6", Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0131	EA	4' Deep, 7'-6" x 7'-6" x 6" Thick Wall, Cast In Place, Catch Basin	7,960.96	1,428.01
33 42 31 00-0132	EA	4'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,250.13	1,607.37
33 42 31 00-0133	EA	5' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	9,788.03	1,692.36
33 42 31 00-0134	EA	5'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,238.80	1,770.47
33 42 31 00-0135	EA	6' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	10,778.95	1,855.46
33 42 31 00-0136	EA	6'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,229.72	1,933.59
33 42 31 00-0137	EA	7' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	11,767.61	2,018.57
33 42 31 00-0138	EA	7'-6" Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,218.40	2,096.69
33 42 31 00-0139	EA	8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	12,758.66	2,181.68
33 42 31 00-0140	VLF	>8' Deep, 7'-6" x 7'-6" x 8" Thick Wall, Cast In Place, Catch Basin	1,594.80	272.75
33 42 31 00-0141		**8' x 8', Cast In Place, Catch Basins** *(33 42 31 00-0022)*		
33 42 31 00-0142	EA	4' Deep, 8' x 8' x 6" Thick Wall, Cast In Place, Catch Basin	8,653.57	1,553.70
33 42 31 00-0143	EA	4'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,046.35	1,746.91
33 42 31 00-0144	EA	5' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	10,614.87	1,837.03
33 42 31 00-0145	EA	5'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,095.61	1,920.39
33 42 31 00-0146	EA	6' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	11,664.02	2,010.50
33 42 31 00-0147	EA	6'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,140.04	2,093.85
33 42 31 00-0148	EA	7' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	12,713.17	2,183.97
33 42 31 00-0149	EA	7'-6" Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,193.91	2,267.32
33 42 31 00-0150	EA	8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	13,752.64	2,357.43
33 42 31 00-0151	VLF	>8' Deep, 8' x 8' x 8" Thick Wall, Cast In Place, Catch Basin	1,720.29	294.68
33 42 31 00-0152		**Precast Concrete Catch Basins** *(33 42 31 00-0002)* Note: Inside dimensions.		
33 42 31 00-0153		**1'-6" Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0154	EA	4' Deep, 1'-6" Diameter Precast Catch Basins	733.90	228.73
33 42 31 00-0155	EA	6' Deep, 1'-6" Diameter Precast Catch Basins	1,021.63	343.09
33 42 31 00-0156	EA	8' Deep, 1'-6" Diameter Precast Catch Basins	1,295.26	446.01
33 42 31 00-0157	EA	10' Deep, 1'-6" Diameter Precast Catch Basins	1,550.91	527.21
33 42 31 00-0158	EA	12' Deep, 1'-6" Diameter Precast Catch Basins	1,910.56	669.02
33 42 31 00-0159	EA	14' Deep, 1'-6" Diameter Precast Catch Basins	2,185.88	771.95
33 42 31 00-0160	VLF	Vertical Linear Foot Over 14' Deep, 1'-6" Diameter Precast Catch Basins	152.30	51.46
33 42 31 00-0161		**2' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0162	EA	4' Deep, 2' Diameter Precast Catch Basin	836.08	254.46
33 42 31 00-0163	EA	6' Deep, 2' Diameter Precast Catch Basin	1,157.47	377.40
33 42 31 00-0164	EA	8' Deep, 2' Diameter Precast Catch Basin	1,461.73	497.48
33 42 31 00-0165	EA	10' Deep, 2' Diameter Precast Catch Basin	1,744.60	580.40
33 42 31 00-0166	EA	12' Deep, 2' Diameter Precast Catch Basin	2,162.24	743.36
33 42 31 00-0167	EA	14' Deep, 2' Diameter Precast Catch Basin	2,470.71	857.72
33 42 31 00-0168	VLF	Vertical Linear Foot Over 14' Deep, 2' Diameter Precast Catch Basin	172.19	61.76
33 42 31 00-0169		**3' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0170	EA	4' Deep, 3' Diameter Precast Catch Basin	1,102.34	300.21
33 42 31 00-0171	EA	6' Deep, 3' Diameter Precast Catch Basin	1,505.56	443.73
33 42 31 00-0172	EA	8' Deep, 3' Diameter Precast Catch Basin	1,892.38	586.11
33 42 31 00-0173	EA	10' Deep, 3' Diameter Precast Catch Basin	2,356.77	731.92
33 42 31 00-0174	EA	12' Deep, 3' Diameter Precast Catch Basin	2,784.23	872.59
33 42 31 00-0175	EA	14' Deep, 3' Diameter Precast Catch Basin	3,197.03	1,015.54
33 42 31 00-0176	VLF	Vertical Linear Foot Over 14' Deep, 3' Diameter Precast Catch Basin	220.02	72.54
33 42 31 00-0177		**4' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0178	EA	4' Deep, 4' Diameter Precast Catch Basin	1,332.62	333.94
33 42 31 00-0179	EA	6' Deep, 4' Diameter Precast Catch Basin	1,733.90	457.45
33 42 31 00-0180	EA	8' Deep, 4' Diameter Precast Catch Basin	2,324.11	686.18
33 42 31 00-0181	EA	10' Deep, 4' Diameter Precast Catch Basin	2,900.20	857.72
33 42 31 00-0182	EA	12' Deep, 4' Diameter Precast Catch Basin	3,428.71	1,029.27
33 42 31 00-0183	EA	14' Deep, 4' Diameter Precast Catch Basin	3,940.87	1,200.81
33 42 31 00-0184	VLF	Vertical Linear Foot Over 14' Deep, 4' Diameter Precast Catch Basin	270.55	85.77

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0185		**5' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0186	EA	4' Deep, 5' Diameter Precast Catch Basin	1,794.27	457.45
33 42 31 00-0187	EA	6' Deep, 5' Diameter Precast Catch Basin	2,458.27	686.18
33 42 31 00-0188	EA	8' Deep, 5' Diameter Precast Catch Basin	3,125.67	914.91
33 42 31 00-0189	EA	10' Deep, 5' Diameter Precast Catch Basin	3,823.18	1,143.63
33 42 31 00-0190	EA	12' Deep, 5' Diameter Precast Catch Basin	4,510.67	1,372.35
33 42 31 00-0191	EA	14' Deep, 5' Diameter Precast Catch Basin	5,250.20	1,601.08
33 42 31 00-0192	VLF	Vertical Linear Foot Over 14' Deep, 5' Diameter Precast Catch Basin	359.97	114.36
33 42 31 00-0193		**6' Diameter Precast Catch Basins** *(33 42 31 00-0152)*		
33 42 31 00-0194	EA	4' Deep, 6' Diameter Precast Catch Basin	2,625.98	686.18
33 42 31 00-0195	EA	6' Deep, 6' Diameter Precast Catch Basin	3,562.87	1,029.27
33 42 31 00-0196	EA	8' Deep, 6' Diameter Precast Catch Basin	4,564.45	1,372.35
33 42 31 00-0197	EA	10' Deep, 6' Diameter Precast Catch Basin	5,688.80	1,715.45
33 42 31 00-0198	EA	12' Deep, 6' Diameter Precast Catch Basin	6,779.61	2,058.53
33 42 31 00-0199	EA	14' Deep, 6' Diameter Precast Catch Basin	7,845.80	2,401.62
33 42 31 00-0200	VLF	Vertical Linear Foot Over 14' Deep, 6' Diameter Precast Catch Basin	536.63	171.55
33 42 31 00-0201		**Precast Catch Basins Accessories** *(33 42 31 00-0152)*		
33 42 31 00-0202	EA	Single Or Double Wing Slab Top With Throat	1,594.53	743.36
33 42 31 00-0203	EA	4' x 4' Weir Box, Precast Catch Basin	724.91	91.49
33 42 31 00-0204	EA	4' Diameter Inlet Round To Square Adapter, Precast Catch Basin	409.07	97.21
33 42 31 00-0205	EA	3' Diameter, Up To 6" High, Precast Extension Ring	510.71	142.96
		For Each Additional Inch In Height, Add	*61.27*	
33 42 31 00-0206	EA	4' Diameter, Up To 6" High, Precast Extension Ring	602.52	171.55
		For Each Additional Inch In Height, Add	*71.80*	
33 42 31 00-0207	EA	5' Diameter, Up To 6" High, Precast Extension Ring	702.75	200.14
		For Each Additional Inch In Height, Add	*83.81*	
33 42 31 00-0208	EA	6' Diameter, Up To 6" High, Precast Extension Ring	880.88	285.91
		For Each Additional Inch In Height, Add	*99.21*	
33 42 31 00-0209	EA	Adjust Existing Catch Basin Inlet Grate To Match Grade	686.13	
33 42 31 00-0210		**Catch Basin Risers** *(33 42 31 00-0152)*		
33 42 31 00-0211	EA	Up To 860 Square Inch, Up to 2" Rise, Catch Basin Riser	425.98	
33 42 31 00-0212	EA	>860 To 1140 Square Inch, Up To 2" Rise, Catch Basin Riser	475.87	
33 42 31 00-0213	EA	>1140 Square Inch, Up To 2" Rise, Catch Basin Riser	535.22	
33 42 31 00-0214	EA	Up To 860 Square Inch, >2" To 3" Rise, Catch Basin Riser	458.62	
33 42 31 00-0215	EA	>860 To 1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	511.88	
33 42 31 00-0216	EA	>1140 Square Inch, >2" To 3" Rise, Catch Basin Riser	577.64	
33 42 31 00-0217	EA	Up To 860 Square Inch, >3" To 4" Rise, Catch Basin Riser	507.49	
33 42 31 00-0218	EA	>860 To 1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	554.77	
33 42 31 00-0219	EA	>1140 Square Inch, >3" To 4" Rise, Catch Basin Riser	620.76	
33 42 31 00-0220		**Cast In Place, Storm Drain Cleanout** *(33 42 31 00-0002)*		
		Note: Inside span.		
33 42 31 00-0221	EA	6' Deep, 4' x 4' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,057.42	863.85
33 42 31 00-0222	EA	6' Deep, 4' x 5' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	5,785.52	985.83
33 42 31 00-0223	EA	6' Deep, 4' x 6' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	6,612.18	1,118.83
33 42 31 00-0224	EA	7' Deep, 4' x 7' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	7,930.47	1,342.15
33 42 31 00-0225	EA	8' Deep, 4' x 8' x 8" Thick Wall, Cast In Place, Storm Drain Cleanout	9,668.70	1,620.35
33 42 31 00-0226		**Precast Concrete Inlet Boxes** *(33 42 31 00-0002)*		
		Note: Inside dimensions.		
33 42 31 00-0227		**Precast Concrete Inlet Boxes** *(33 42 31 00-0226)*		
33 42 31 00-0228		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0227)*		
		Note: Yard inlet.		
33 42 31 00-0229		**24" x 24" ID, Precast Concrete Inlet Boxes** *(33 42 31 00-0228)*		
33 42 31 00-0230	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box	918.88	80.05
33 42 31 00-0231	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,079.65	97.21
33 42 31 00-0232	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,240.42	114.36
33 42 31 00-0233	EA	42" Height, 24" x 24" ID, Precast Concrete Inlet Box	1,402.62	132.23
33 42 31 00-0234		**24" x 24" ID, Precast Concrete Inlet Box Risers** *(33 42 31 00-0228)*		
33 42 31 00-0235	EA	6" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	223.67	
33 42 31 00-0236	EA	12" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	367.28	
33 42 31 00-0237	EA	18" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	522.34	
33 42 31 00-0238	EA	24" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	677.39	
33 42 31 00-0239	EA	30" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	832.44	
33 42 31 00-0240	EA	36" Height, 24" x 24" ID, Precast Concrete Inlet Box Riser	987.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0241		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0242		22" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0241)*		
33 42 31 00-0243	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box	1,870.20	224.12
33 42 31 00-0244	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,102.30	259.14
33 42 31 00-0245	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,334.39	294.17
33 42 31 00-0246	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,566.66	329.27
33 42 31 00-0247	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box	2,798.92	364.37
33 42 31 00-0248	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,031.19	399.48
33 42 31 00-0249	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box	3,263.46	434.58
33 42 31 00-0250		22" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0241)*		
33 42 31 00-0251	EA	6" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	437.48	
33 42 31 00-0252	EA	12" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	714.86	
33 42 31 00-0253	EA	18" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	772.09	
33 42 31 00-0254	EA	24" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	991.33	
33 42 31 00-0255	EA	30" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,210.57	
33 42 31 00-0256	EA	36" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,420.61	
33 42 31 00-0257	EA	42" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,652.71	
33 42 31 00-0258	EA	48" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	1,884.80	
33 42 31 00-0259	EA	54" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,117.07	
33 42 31 00-0260	EA	60" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,349.33	
33 42 31 00-0261	EA	66" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,581.60	
33 42 31 00-0262	EA	72" Height, 22" x 48" ID, Precast Concrete Inlet Box Riser	2,813.87	
33 42 31 00-0263		30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0264		30" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0263)*		
33 42 31 00-0265	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box	1,796.62	246.54
33 42 31 00-0266	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,028.35	285.06
33 42 31 00-0267	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,260.07	323.58
33 42 31 00-0268	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,491.99	362.20
33 42 31 00-0269	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,723.91	400.80
33 42 31 00-0270	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box	2,955.82	439.42
33 42 31 00-0271	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box	3,187.73	478.03
33 42 31 00-0272		30" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0263)*		
33 42 31 00-0273	EA	6" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	432.61	
33 42 31 00-0274	EA	12" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	699.37	
33 42 31 00-0275	EA	18" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	757.66	
33 42 31 00-0276	EA	24" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	971.74	
33 42 31 00-0277	EA	30" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,185.81	
33 42 31 00-0278	EA	36" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,398.77	
33 42 31 00-0279	EA	42" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,627.42	
33 42 31 00-0280	EA	48" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	1,854.95	
33 42 31 00-0281	EA	54" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,083.59	
33 42 31 00-0282	EA	60" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,311.12	
33 42 31 00-0283	EA	66" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,539.77	
33 42 31 00-0284	EA	72" Height, 30" x 48" ID, Precast Concrete Inlet Box Riser	2,768.41	
33 42 31 00-0285		42" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0286		42" x 48" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0285)*		
33 42 31 00-0287	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,142.34	268.95
33 42 31 00-0288	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,414.73	312.65
33 42 31 00-0289	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,687.11	357.48
33 42 31 00-0290	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box	2,958.37	401.18
33 42 31 00-0291	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,230.76	446.01
33 42 31 00-0292	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,503.14	489.71
33 42 31 00-0293	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box	3,774.40	533.42
33 42 31 00-0294		42" x 48" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0285)*		
33 42 31 00-0295	EA	6" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	479.73	
33 42 31 00-0296	EA	12" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	791.38	
33 42 31 00-0297	EA	18" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	851.33	
33 42 31 00-0298	EA	24" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,095.14	
33 42 31 00-0299	EA	30" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,338.95	
33 42 31 00-0300	EA	36" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,582.75	
33 42 31 00-0301	EA	42" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	1,841.70	
33 42 31 00-0302	EA	48" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,100.63	
33 42 31 00-0303	EA	54" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,359.57	
33 42 31 00-0304	EA	60" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,618.51	
33 42 31 00-0305	EA	66" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	2,877.44	
33 42 31 00-0306	EA	72" Height, 42" x 48" ID, Precast Concrete Inlet Box Riser	3,136.38	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0307		42" x 48" ID, Precast Concrete Inlet Box Tops *(33 42 31 00-0285)*		
33 42 31 00-0308	EA	42" x 48" ID, Precast Concrete Inlet Box Top Slab	1,211.79	168.10
33 42 31 00-0309		48" x 54" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0310		48" x 54" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0309)*		
33 42 31 00-0311	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,058.41	298.84
33 42 31 00-0312	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,424.74	347.95
33 42 31 00-0313	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box	3,791.08	397.07
33 42 31 00-0314	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,157.05	446.01
33 42 31 00-0315	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,523.02	494.95
33 42 31 00-0316	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box	4,889.00	543.89
33 42 31 00-0317	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box	5,254.98	592.83
33 42 31 00-0318		48" x 54" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0309)*		
33 42 31 00-0319	EA	6" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	481.02	
33 42 31 00-0320	EA	12" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	778.99	
33 42 31 00-0321	EA	18" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,140.47	
33 42 31 00-0322	EA	24" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,501.95	
33 42 31 00-0323	EA	30" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	1,844.76	
33 42 31 00-0324	EA	36" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,206.24	
33 42 31 00-0325	EA	42" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,572.57	
33 42 31 00-0326	EA	48" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	2,938.91	
33 42 31 00-0327	EA	54" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,304.89	
33 42 31 00-0328	EA	60" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	3,670.85	
33 42 31 00-0329	EA	66" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,036.83	
33 42 31 00-0330	EA	72" Height, 48" x 54" ID, Precast Concrete Inlet Box Riser	4,402.81	
33 42 31 00-0331		48" x 54" ID, Precast Concrete Inlet Box Tops *(33 42 31 00-0309)*		
33 42 31 00-0332	EA	48" x 54" ID, Precast Concrete Inlet Box Top Slab	1,317.16	182.10
33 42 31 00-0333		48" x 66" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0334		48" x 66" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0333)*		
33 42 31 00-0335	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,518.46	376.53
33 42 31 00-0336	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box	3,919.22	439.44
33 42 31 00-0337	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,319.98	502.34
33 42 31 00-0338	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box	4,720.04	564.91
33 42 31 00-0339	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,120.11	627.46
33 42 31 00-0340	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,520.18	690.03
33 42 31 00-0341	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box	5,920.24	752.60
33 42 31 00-0342		48" x 66" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0333)*		
33 42 31 00-0343	EA	6" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	525.96	
33 42 31 00-0344	EA	12" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	832.28	
33 42 31 00-0345	EA	18" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,232.73	
33 42 31 00-0346	EA	24" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	1,633.19	
33 42 31 00-0347	EA	30" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,002.26	
33 42 31 00-0348	EA	36" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,402.72	
33 42 31 00-0349	EA	42" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	2,803.47	
33 42 31 00-0350	EA	48" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,204.24	
33 42 31 00-0351	EA	54" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	3,604.30	
33 42 31 00-0352	EA	60" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,004.36	
33 42 31 00-0353	EA	66" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,404.44	
33 42 31 00-0354	EA	72" Height, 48" x 66" ID, Precast Concrete Inlet Box Riser	4,804.50	
33 42 31 00-0355		48" x 66" ID, Precast Concrete Inlet Box Tops *(33 42 31 00-0333)*		
33 42 31 00-0356	EA	48" x 66" ID, Precast Concrete Inlet Box Top Slab	1,464.03	203.95
33 42 31 00-0357		42" x 102" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0227)*		
33 42 31 00-0358		42" x 102" ID, Precast Concrete Inlet Boxes *(33 42 31 00-0357)*		
33 42 31 00-0359	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,398.24	507.63
33 42 31 00-0360	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box	4,904.45	591.69
33 42 31 00-0361	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,410.66	674.61
33 42 31 00-0362	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box	5,915.74	758.66
33 42 31 00-0363	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,421.95	841.58
33 42 31 00-0364	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box	6,927.03	924.51
33 42 31 00-0365	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box	7,434.36	1,008.55
33 42 31 00-0366		42" x 102" ID, Precast Concrete Inlet Box Risers *(33 42 31 00-0357)*		
33 42 31 00-0367	EA	6" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	701.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0368	EA	12" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,090.85	
33 42 31 00-0369	EA	18" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	1,589.22	
33 42 31 00-0370	EA	24" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,087.58	
33 42 31 00-0371	EA	30" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	2,553.46	
33 42 31 00-0372	EA	36" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,051.81	
33 42 31 00-0373	EA	42" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	3,558.03	
33 42 31 00-0374	EA	48" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,064.24	
33 42 31 00-0375	EA	54" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	4,569.31	
33 42 31 00-0376	EA	60" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,075.53	
33 42 31 00-0377	EA	66" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	5,580.60	
33 42 31 00-0378	EA	72" Height, 42" x 102" ID, Precast Concrete Inlet Box Riser	6,086.82	
33 42 31 00-0379		**42" x 102" ID, Precast Concrete Inlet Box Tops** *(33 42 31 00-0357)*		
33 42 31 00-0380	EA	42" x 102" ID, Precast Concrete Inlet Box Top Slab	2,009.04	224.12
33 42 31 00-0381		**Frames And Grates For Inlets** *(33 42 31 00-0226)*		
33 42 31 00-0382		**Inlet Frames And Grates** *(33 42 31 00-0381)*		
33 42 31 00-0383	EA	24" x 24", Heavy-Duty Inlet Grate Note: For type A, B, D, or E inlets.	424.44	52.18
33 42 31 00-0384	EA	47-3/4" x 21-3/4", Bicycle Safe Inlet Grate (US Foundry 6352 GRT) Note: For type A, B, D, or E inlets.	551.69	52.18
33 42 31 00-0385	EA	47-3/4" x 21-3/4", Phase II Stormwater Compliant Inlet Grate (US Foundry 6352 GRT) Note: Includes legend: Dump No Waste "Drains To Waterways".	551.69	52.18
33 42 31 00-0386	EA	Phase II Storm Water Compliant Grate, Echo Grate, Type "B" And "D" Inlet Covers (US Foundry 6352 GRT Note: Legend: Dump No Waste "Drains to Waterways"	551.69	52.18
33 42 31 00-0387	EA	Parallel Bar Grates For Type A, B, D And E Inlets (Campbell Foundry 2617-0362)	604.95	52.18
33 42 31 00-0388	EA	Type B Inlet Dirt Plate (US Foundry 5217 BK)	443.05	104.36
33 42 31 00-0389	EA	Back Plate For Type B Inlets (Campbell Foundry 2548-1942)	517.60	104.36
33 42 31 00-0390	EA	Phase II Echo-Safe Bar For Series 2500/2600 Curb Inlets (Campbell Foundry 25419EC4) Note: Includes cam action clamping system, stainless steel badge labeled to center of plate, steel plate welded to bar with legend: Dump No Waste "Drains to Waterways".	644.34	130.46
33 42 31 00-0391	EA	1-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	548.48	130.46
33 42 31 00-0392	EA	2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	559.13	130.46
33 42 31 00-0393	EA	2-1/2" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	580.43	130.46
33 42 31 00-0394	EA	3" Catch Basin Riser For Type B And D Inlets (General Foundries 6352 EXT)	601.73	130.46
33 42 31 00-0395	EA	2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	580.43	130.46
33 42 31 00-0396	EA	2-1/2" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	601.73	130.46
33 42 31 00-0397	EA	3" Extension Frame For Type A Inlet (General Foundries 6352 EXT)	623.04	130.46
33 42 31 00-0398	EA	2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	899.95	130.46
33 42 31 00-0399	EA	2-1/2" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	942.56	130.46
33 42 31 00-0400	EA	3" Extension Frame For Type E Inlet (General Foundries 6352 EXT)	985.16	130.46
33 42 31 00-0401	EA	2", 3 Sided Extension Frame For Type A, B, D, And E Inlet (Campbell Foundry 2701)	665.64	130.46
33 42 31 00-0402	EA	6" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N6)	601.73	130.46
33 42 31 00-0403	EA	8" Type N Curb Back Piece For Type B And D Inlets (US Foundry 5218N8)	601.73	130.46
33 42 31 00-0404	EA	6" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-6)	1,242.65	130.46
33 42 31 00-0405	EA	8" Radius Curb Back Piece For Type B And D Inlets (Campbell Foundry BSCB-8)	1,242.65	130.46
33 42 31 00-0406	EA	Safety Bars For Type B And D Inlets (General Foundries 5218 SB)	500.02	143.50
33 42 31 00-0407	EA	6", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 648) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.38	143.50
33 42 31 00-0408	EA	8", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 848) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	702.38	143.50
33 42 31 00-0409	EA	10", Phase II Echo-Safe Catch Basin Curb Inlet Cover (Campbell Foundry ERSS 1048) Note: Includes cam action clamping system and stainless steel badge labeled to center of plate.	776.93	143.50
33 42 31 00-0410	EA	Type B Inlet Frame (US Foundry 5216 FRM)	894.09	143.50
33 42 31 00-0411	EA	Type D Inlet Frame (US Foundry 2999 FRM)	766.28	143.50
33 42 31 00-0412	EA	Type B Inlet Frame (Campbell Foundry 2618-0202)	1,096.46	143.50
33 42 31 00-0413	EA	Type D Inlet Frame (Campbell Foundry 2617-0002)	968.65	143.50
33 42 31 00-0414	EA	Type A Inlet, Single Frame And Grate (US Foundry 52340)	1,248.23	208.73
33 42 31 00-0415	EA	Type E Inlet, Single Frame And Grate (US Foundry 52342)	2,015.08	208.73
33 42 31 00-0416	EA	Type A Inlet, Single Frame And Grate (General Foundries 52340)	1,216.28	208.73
33 42 31 00-0417	EA	Type E Inlet, Double Frame And Grate (General Foundries 52342)	1,914.97	208.73
33 42 31 00-0418	EA	Oversized Type A Inlet, Single Frame And Reticuline Grate (US Foundry 82340)	2,042.74	313.09
33 42 31 00-0419	EA	Heavy-Duty Rectangular Frame And Grate (Campbell Foundry 3084)	2,090.64	417.47
33 42 31 00-0420	EA	6" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52186)	2,294.07	417.47
33 42 31 00-0421	EA	8" Curb Piece, Type B Inlet Frame And Grate (US Foundry 52198)	2,294.07	417.47
33 42 31 00-0422	EA	6" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72266)	2,027.80	417.47
33 42 31 00-0423	EA	8" Curb Piece, Type D Inlet Frame And Grate (US Foundry 72268)	2,027.80	417.47
33 42 31 00-0424	EA	Type B And C Inlet Frame And Grate With Type N Curb And Back Plate (Campbell Foundry GFI 52198)	2,379.28	417.47
33 42 31 00-0425		**Catch Basin Frames And Covers** *(33 42 31 00-0001)*		
33 42 31 00-0426		**Cast Iron Frames And Covers** *(33 42 31 00-0425)*		
33 42 31 00-0427	EA	18" Diameter Cast Iron Catch Basin Frame And Cover	1,211.72	114.36
33 42 31 00-0428	EA	22" Diameter Cast Iron Catch Basin Frame And Cover	1,546.80	129.23
33 42 31 00-0429	EA	24" Diameter Cast Iron Catch Basin Frame And Cover	1,763.52	133.81
33 42 31 00-0430	EA	26" Diameter Cast Iron Catch Basin Frame And Cover	1,992.34	155.54
33 42 31 00-0431	EA	28" Diameter Cast Iron Catch Basin Frame And Cover	2,352.34	177.26
33 42 31 00-0432	EA	32" Diameter Cast Iron Catch Basin Frame And Cover	3,811.34	185.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0433	EA	16" x 16" Cast Iron Catch Basin Frame And Cover	2,043.51	140.67
33 42 31 00-0434	EA	18" x 24" Cast Iron Catch Basin Frame And Cover	2,682.74	162.40
33 42 31 00-0435	EA	20" x 27" Cast Iron Catch Basin Frame And Cover	3,045.66	169.26
33 42 31 00-0436	EA	23" x 23" Cast Iron Catch Basin Frame And Cover	2,869.84	169.26
33 42 31 00-0437	EA	24" x 24" Cast Iron Catch Basin Frame And Cover	2,965.01	176.12
33 42 31 00-0438	EA	26" x 26" Cast Iron Catch Basin Frame And Cover	3,189.10	182.98
33 42 31 00-0439	EA	24" x 36" Cast Iron Catch Basin Frame And Cover	3,853.27	196.70
33 42 31 00-0440		**Area Yard Drain** *(33 42 31 00-0001)* See CSI section 22 14 26 16-0001 for drains.		
33 42 31 00-0441		**Ductile Iron Grates** *(33 42 31 00-0440)* Note: Not for traffic loading.		
33 42 31 00-0442	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	160.21	38.93
33 42 31 00-0443	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	195.72	41.53
33 42 31 00-0444	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	450.36	51.91
33 42 31 00-0445	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	538.16	62.29
33 42 31 00-0446		**Concrete Drainage Inlet Structures (CALTRANS)** *(33 42 31 00-0001)*		
33 42 31 00-0447		**Type OS Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0448	EA	3' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	2,833.20	
33 42 31 00-0449	EA	4' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,292.25	
33 42 31 00-0450	EA	5' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	3,718.74	
33 42 31 00-0451	EA	6' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,112.68	
33 42 31 00-0452	EA	7' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,474.03	
33 42 31 00-0453	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 6" Wall Thickness	4,802.85	
33 42 31 00-0454	EA	8' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	6,535.30	
33 42 31 00-0455	EA	10' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	7,619.75	
33 42 31 00-0456	EA	12' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	8,621.12	
33 42 31 00-0457	EA	14' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	9,541.69	
33 42 31 00-0458	EA	16' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	10,428.83	
33 42 31 00-0459	EA	18' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,245.15	
33 42 31 00-0460	EA	20' Deep Type OS Concrete Drainage Inlet Structure, 8" Wall Thickness	11,990.66	
33 42 31 00-0461		**Type OL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0462	EA	3' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,857.97	
33 42 31 00-0463	EA	4' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,287.26	
33 42 31 00-0464	EA	5' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,683.99	
33 42 31 00-0465	EA	6' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,048.15	
33 42 31 00-0466	EA	7' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,378.61	
33 42 31 00-0467	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,677.65	
33 42 31 00-0468	EA	8' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,358.65	
33 42 31 00-0469	EA	10' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,417.84	
33 42 31 00-0470	EA	12' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,393.95	
33 42 31 00-0471	EA	14' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,288.13	
33 42 31 00-0472	EA	16' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,153.46	
33 42 31 00-0473	EA	18' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,947.98	
33 42 31 00-0474	EA	20' Deep Type OL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,671.68	
33 42 31 00-0475		**Type OL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0476	EA	3' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,802.37	
33 42 31 00-0477	EA	4' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,204.47	
33 42 31 00-0478	EA	5' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,572.87	
33 42 31 00-0479	EA	6' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,909.85	
33 42 31 00-0480	EA	7' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,213.13	
33 42 31 00-0481	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,483.84	
33 42 31 00-0482	EA	8' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,181.98	
33 42 31 00-0483	EA	10' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,214.79	
33 42 31 00-0484	EA	12' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,166.78	
33 42 31 00-0485	EA	14' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,035.70	
33 42 31 00-0486	EA	16' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,878.09	
33 42 31 00-0487	EA	18' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,650.79	
33 42 31 00-0488	EA	20' Deep Type OL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,351.55	
33 42 31 00-0489		**Type OL-14 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0490	EA	3' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,148.63	
33 42 31 00-0491	EA	4' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,510.66	
33 42 31 00-0492	EA	5' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,840.10	
33 42 31 00-0493	EA	6' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,137.00	
33 42 31 00-0494	EA	7' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,401.34	
33 42 31 00-0495	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,633.09	
33 42 31 00-0496	EA	8' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,348.39	
33 42 31 00-0497	EA	10' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,345.31	
33 42 31 00-0498	EA	12' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,260.30	
33 42 31 00-0499	EA	14' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,093.35	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0500	EA	16' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,905.88	
33 42 31 00-0501	EA	18' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,646.46	
33 42 31 00-0502	EA	20' Deep Type OL-14 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,316.23	
33 42 31 00-0503		**Type OL-21 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0504	EA	3' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	8,881.36	
33 42 31 00-0505	EA	4' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,163.62	
33 42 31 00-0506	EA	5' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,413.32	
33 42 31 00-0507	EA	6' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,630.46	
33 42 31 00-0508	EA	7' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,813.90	
33 42 31 00-0509	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 6" Wall Thickness	9,965.91	
33 42 31 00-0510	EA	8' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,629.74	
33 42 31 00-0511	EA	10' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,556.00	
33 42 31 00-0512	EA	12' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,400.31	
33 42 31 00-0513	EA	14' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,162.68	
33 42 31 00-0514	EA	16' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,914.11	
33 42 31 00-0515	EA	18' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,593.58	
33 42 31 00-0516	EA	20' Deep Type OL-21 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,202.23	
33 42 31 00-0517		**Type GOL-7 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0518	EA	3' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,681.81	
33 42 31 00-0519	EA	4' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,155.71	
33 42 31 00-0520	EA	5' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,592.25	
33 42 31 00-0521	EA	6' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,991.42	
33 42 31 00-0522	EA	7' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,354.37	
33 42 31 00-0523	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,681.11	
33 42 31 00-0524	EA	8' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,507.90	
33 42 31 00-0525	EA	10' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,687.61	
33 42 31 00-0526	EA	12' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,775.19	
33 42 31 00-0527	EA	14' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,769.50	
33 42 31 00-0528	EA	16' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,733.45	
33 42 31 00-0529	EA	18' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,617.75	
33 42 31 00-0530	EA	20' Deep Type GOL-7 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,421.25	
33 42 31 00-0531		**Type GOL-10 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0532	EA	3' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,706.57	
33 42 31 00-0533	EA	4' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,149.58	
33 42 31 00-0534	EA	5' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,556.35	
33 42 31 00-0535	EA	6' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,926.89	
33 42 31 00-0536	EA	7' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,260.08	
33 42 31 00-0537	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,555.91	
33 42 31 00-0538	EA	8' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,382.71	
33 42 31 00-0539	EA	10' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,534.94	
33 42 31 00-0540	EA	12' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,595.03	
33 42 31 00-0541	EA	14' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,563.02	
33 42 31 00-0542	EA	16' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,503.15	
33 42 31 00-0543	EA	18' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,363.64	
33 42 31 00-0544	EA	20' Deep Type GOL-10 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,144.47	
33 42 31 00-0545		**Type G-1 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0546	EA	3' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	1,908.89	
33 42 31 00-0547	EA	4' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,282.60	
33 42 31 00-0548	EA	5' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,629.06	
33 42 31 00-0549	EA	6' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,950.55	
33 42 31 00-0550	EA	7' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,247.08	
33 42 31 00-0551	EA	8' Deep Type G-1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,516.36	
33 42 31 00-0552		**Type G-2 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0553	EA	3' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,632.26	
33 42 31 00-0554	EA	4' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,052.37	
33 42 31 00-0555	EA	5' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,442.73	
33 42 31 00-0556	EA	6' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,803.31	
33 42 31 00-0557	EA	7' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,134.15	
33 42 31 00-0558	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,434.05	
33 42 31 00-0559	EA	8' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,003.56	
33 42 31 00-0560	EA	10' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,004.11	
33 42 31 00-0561	EA	12' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,929.31	
33 42 31 00-0562	EA	14' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,779.19	
33 42 31 00-0563	EA	16' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,598.27	
33 42 31 00-0564	EA	18' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,352.28	
33 42 31 00-0565	EA	20' Deep Type G-2 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,040.06	
33 42 31 00-0566		**Type G-3 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0567	EA	3' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,069.64	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0568	EA	4' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,438.19	
33 42 31 00-0569	EA	5' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,780.63	
33 42 31 00-0570	EA	6' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,098.10	
33 42 31 00-0571	EA	7' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,388.33	
33 42 31 00-0572	EA	8' Deep Type G-3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,653.60	
33 42 31 00-0573		Type G-4_24 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0574	EA	3' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,551.88	
33 42 31 00-0575	EA	4' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,974.59	
33 42 31 00-0576	EA	5' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,367.53	
33 42 31 00-0577	EA	6' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,729.54	
33 42 31 00-0578	EA	7' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,062.95	
33 42 31 00-0579	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,365.45	
33 42 31 00-0580	EA	8' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	5,969.26	
33 42 31 00-0581	EA	10' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,971.66	
33 42 31 00-0582	EA	12' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,897.60	
33 42 31 00-0583	EA	14' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,748.18	
33 42 31 00-0584	EA	16' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,567.83	
33 42 31 00-0585	EA	18' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,322.42	
33 42 31 00-0586	EA	20' Deep Type G-4_24 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,011.92	
33 42 31 00-0587		Type G-4_18 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0588	EA	3' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,632.26	
33 42 31 00-0589	EA	4' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,052.37	
33 42 31 00-0590	EA	5' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,442.73	
33 42 31 00-0591	EA	6' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,803.31	
33 42 31 00-0592	EA	7' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,134.15	
33 42 31 00-0593	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,434.05	
33 42 31 00-0594	EA	8' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	6,003.56	
33 42 31 00-0595	EA	10' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,004.11	
33 42 31 00-0596	EA	12' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	7,929.31	
33 42 31 00-0597	EA	14' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	8,779.19	
33 42 31 00-0598	EA	16' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,598.27	
33 42 31 00-0599	EA	18' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,352.28	
33 42 31 00-0600	EA	20' Deep Type G-4_18 Concrete Drainage Inlet Structure, 8" Wall Thickness	11,040.06	
33 42 31 00-0601		Type G-5 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0602	EA	3' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,049.54	
33 42 31 00-0603	EA	4' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,418.45	
33 42 31 00-0604	EA	5' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,762.39	
33 42 31 00-0605	EA	6' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,079.08	
33 42 31 00-0606	EA	7' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,370.82	
33 42 31 00-0607	EA	8' Deep Type G-5 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,636.44	
33 42 31 00-0608		Type G-6 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0609	EA	3' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,089.73	
33 42 31 00-0610	EA	4' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,457.92	
33 42 31 00-0611	EA	5' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	2,800.00	
33 42 31 00-0612	EA	6' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,115.98	
33 42 31 00-0613	EA	7' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,405.84	
33 42 31 00-0614	EA	8' Deep Type G-6 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,670.75	
33 42 31 00-0615		Type GT1 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0616	EA	3' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,496.28	
33 42 31 00-0617	EA	4' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,072.47	
33 42 31 00-0618	EA	5' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,647.59	
33 42 31 00-0619	EA	6' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,102.90	
33 42 31 00-0620	EA	7' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,556.03	
33 42 31 00-0621	EA	8' Deep Type GT1 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,969.26	
33 42 31 00-0622		Type GT2 Concrete Drainage Inlet Structure *(33 42 31 00-0446)*		
33 42 31 00-0623	EA	3' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,239.75	
33 42 31 00-0624	EA	4' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,867.07	
33 42 31 00-0625	EA	5' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,448.43	
33 42 31 00-0626	EA	6' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,984.96	
33 42 31 00-0627	EA	7' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,475.52	
33 42 31 00-0628	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,921.24	
33 42 31 00-0629	EA	8' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,262.63	
33 42 31 00-0630	EA	10' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,737.76	
33 42 31 00-0631	EA	12' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,100.10	
33 42 31 00-0632	EA	14' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,350.79	
33 42 31 00-0633	EA	16' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,557.99	
33 42 31 00-0634	EA	18' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,667.65	
33 42 31 00-0635	EA	20' Deep Type GT2 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,679.75	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0636		**Type GT3 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0637	EA	3' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	3,476.19	
33 42 31 00-0638	EA	4' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,052.73	
33 42 31 00-0639	EA	5' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,589.40	
33 42 31 00-0640	EA	6' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,085.03	
33 42 31 00-0641	EA	7' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,538.51	
33 42 31 00-0642	EA	8' Deep Type GT3 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,952.10	
33 42 31 00-0643		**Type GT4 Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0644	EA	3' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	4,380.39	
33 42 31 00-0645	EA	4' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,002.93	
33 42 31 00-0646	EA	5' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	5,580.62	
33 42 31 00-0647	EA	6' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,112.35	
33 42 31 00-0648	EA	7' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	6,599.24	
33 42 31 00-0649	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 6" Wall Thickness	7,041.31	
33 42 31 00-0650	EA	8' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	9,279.78	
33 42 31 00-0651	EA	10' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	10,754.56	
33 42 31 00-0652	EA	12' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	12,116.54	
33 42 31 00-0653	EA	14' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	13,365.73	
33 42 31 00-0654	EA	16' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	14,572.64	
33 42 31 00-0655	EA	18' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	15,682.00	
33 42 31 00-0656	EA	20' Deep Type GT4 Concrete Drainage Inlet Structure, 8" Wall Thickness	16,693.82	
33 42 31 00-0657		**Type GO Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0658	EA	3' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,491.61	
33 42 31 00-0659	EA	4' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	2,896.79	
33 42 31 00-0660	EA	5' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,272.93	
33 42 31 00-0661	EA	6' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,620.03	
33 42 31 00-0662	EA	7' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,938.07	
33 42 31 00-0663	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,228.22	
33 42 31 00-0664	EA	8' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	5,814.87	
33 42 31 00-0665	EA	10' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	6,785.63	
33 42 31 00-0666	EA	12' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,681.48	
33 42 31 00-0667	EA	14' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,504.73	
33 42 31 00-0668	EA	16' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,299.62	
33 42 31 00-0669	EA	18' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,029.57	
33 42 31 00-0670	EA	20' Deep Type GO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,696.84	
33 42 31 00-0671		**Type GDO Concrete Drainage Inlet Structure** *(33 42 31 00-0446)*		
33 42 31 00-0672	EA	3' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,255.16	
33 42 31 00-0673	EA	4' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	3,787.78	
33 42 31 00-0674	EA	5' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,282.39	
33 42 31 00-0675	EA	6' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	4,740.12	
33 42 31 00-0676	EA	7' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,158.71	
33 42 31 00-0677	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 6" Wall Thickness	5,540.43	
33 42 31 00-0678	EA	8' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	7,478.72	
33 42 31 00-0679	EA	10' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	8,729.91	
33 42 31 00-0680	EA	12' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	9,886.10	
33 42 31 00-0681	EA	14' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	10,948.43	
33 42 31 00-0682	EA	16' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	11,972.77	
33 42 31 00-0683	EA	18' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	12,914.93	
33 42 31 00-0684	EA	20' Deep Type GDO Concrete Drainage Inlet Structure, 8" Wall Thickness	13,774.92	

33 42 33 Stormwater Curbside Drains and Inlets *(33 42)*

33 42 33 00-0001		**Curb Inlet Frames And Covers** *(33 42 33)*		
33 42 33 00-0002		**Cast Iron Curb Inlet Frames And Covers** *(33 42 33 00-0001)*		
33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover	2,570.77	133.81
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover	2,746.01	155.54
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover	2,861.20	155.54
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover	3,132.53	182.98
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover	3,091.18	195.56

33 42 36 Stormwater Trench Drains *(33 42)*

33 42 36 00-0001 Modular Trench Drains *(33 42 36)*
See CSI section 03 31 13 00-0011 for concrete.

33 42 36 00-0002 Modular Trench Drains *(33 42 36 00-0001)*
Note: Excludes grates. See CSI section 33 42 36 00-0118 for grates.

33 42 36 00-0003 4" Wide, Modular Trench Drains *(33 42 36 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0004		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0003)*		
33 42 36 00-0005		4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0006	LF	4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain (Zurn Z844-C)	70.85	18.30
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0007		Outlet Adapters For 4 Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drains *(33 42 36 00-0004)*		
33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	53.85	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.29	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High-Density Polyethylene (HDPE), Shallow Modular Trench Drain	65.29	
33 42 36 00-0011		6" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0012		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0013		6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0014	LF	6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	223.36	18.30
		For Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*109.19*	
		For Galvanized Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*218.38*	
		For Stainless Steel Extra Heavy-Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	*349.41*	
		For Type 304 Stainless Steel Top Veneer Frame, Add	*87.35*	
		For Aluminum Veneer Bronze Anodized Frame, Add	*43.68*	
33 42 36 00-0015		Outlet Adapters For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0016	EA	Closed End Cap For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	101.49	
33 42 36 00-0017	EA	No-Hub End Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.93	
33 42 36 00-0018	EA	No-Hub Bottom Outlet For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	112.93	
33 42 36 00-0019		Other Fittings For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0012)*		
33 42 36 00-0020	EA	Bottom Dome Strainer For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.23	
33 42 36 00-0021	EA	Joint Connector For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	196.23	
33 42 36 00-0022	EA	90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	930.70	
33 42 36 00-0023	EA	Cross For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,804.22	
33 42 36 00-0024	EA	Cutting Charge For 6" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	218.38	
33 42 36 00-0025		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0026		6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0027	LF	6" Wide, Fiber Reinforced Polyester, Modular Trench Drain	326.00	18.30
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0028		Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0029	EA	Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	110.22	
33 42 36 00-0030	EA	No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.66	
33 42 36 00-0031	EA	No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	121.66	
33 42 36 00-0032		Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains *(33 42 36 00-0025)*		
33 42 36 00-0033	EA	Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.23	
33 42 36 00-0034	EA	Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	196.23	
33 42 36 00-0035	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	930.70	
33 42 36 00-0036	EA	Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,804.22	
33 42 36 00-0037	EA	Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.38	
33 42 36 00-0038		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0011)*		
33 42 36 00-0039		6" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0038)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0040	LF	6" Wide, Vinylester Fiberglass, Modular Trench Drain	422.09	18.30
		For Black Acid Resistant Coated Frame, Add	*82.98*	
		For Galvanized Top Frame Assembly, Add	*82.98*	
		For Type 304 Stainless Steel Top Frame Assembly, Add	*305.73*	
33 42 36 00-0041		**Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0042	EA	Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	180.10	
33 42 36 00-0043	EA	No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.54	
33 42 36 00-0044	EA	No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	191.54	
33 42 36 00-0045		**Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains** *(33 42 36 00-0038)*		
33 42 36 00-0046	EA	Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.23	
33 42 36 00-0047	EA	Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	196.23	
33 42 36 00-0048	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	930.70	
33 42 36 00-0049	EA	Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	1,804.22	
33 42 36 00-0050	EA	Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains	218.38	
33 42 36 00-0051		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0011)*		
33 42 36 00-0052		**6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0053	LF	6" Wide, Polymer Concrete, Modular Trench Drain	493.33	
33 42 36 00-0054		**Outlet Adapters For 6" Wide, Polymer Concrete, Modular Trench Drains** *(33 42 36 00-0051)*		
33 42 36 00-0055	EA	Closed End Cap For 6" Wide, Polymer Concrete, Modular Trench Drain	195.50	
33 42 36 00-0056	EA	No-Hub End Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	238.10	
33 42 36 00-0057	EA	No-Hub Bottom Outlet For 6" Wide, Polymer Concrete, Modular Trench Drain	75.07	
33 42 36 00-0058		**12" Wide, Modular Trench Drains** *(33 42 36 00-0002)*		
33 42 36 00-0059		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0060		**12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0061	LF	12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	421.56	25.16
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0062		**Outlet Adapters For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0063	EA	End Cap For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	209.56	
33 42 36 00-0064	EA	No-Hub End Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.82	
33 42 36 00-0065	EA	No-Hub Bottom Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	224.82	
33 42 36 00-0066		**Other Fittings For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains** *(33 42 36 00-0059)*		
33 42 36 00-0067	EA	Bottom Dome Strainer For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	351.02	
33 42 36 00-0068	EA	Joint Connector For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	460.21	
33 42 36 00-0069	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	1,835.01	
33 42 36 00-0070	EA	Cross For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,582.05	
33 42 36 00-0071	EA	Cutting Charges For 12" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	436.76	
33 42 36 00-0072		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0058)*		
33 42 36 00-0073		**12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0074	LF	12" Wide, Fiber Reinforced Polyester, Modular Trench Drain	530.75	25.16
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0075		**Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		
33 42 36 00-0076	EA	End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	218.30	
33 42 36 00-0077	EA	No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.56	
33 42 36 00-0078	EA	No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	233.56	
33 42 36 00-0079		**Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains** *(33 42 36 00-0072)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0080	EA	Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	351.02	
33 42 36 00-0081	EA	Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	460.21	
33 42 36 00-0082	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	1,835.01	
33 42 36 00-0083	EA	Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	3,582.05	
33 42 36 00-0084	EA	Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains	436.76	
33 42 36 00-0085		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0086		12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0087	LF	12" Wide, Vinylester Fiberglass, Modular Trench Drain	749.13	25.16
		For Acid Resistant Coated Top Frame, Add	*113.56*	
		For Galvanized Welded Frame Assembly, Add	*119.02*	
		For Type 304 Stainless Steel Top Frame, Add	*681.35*	
33 42 36 00-0088		Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0089	EA	End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	545.87	
33 42 36 00-0090	EA	No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	561.13	
33 42 36 00-0091	EA	No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	561.13	
33 42 36 00-0092		Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains *(33 42 36 00-0085)*		
33 42 36 00-0093	EA	Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	351.02	
33 42 36 00-0094	EA	Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	460.21	
33 42 36 00-0095	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	1,835.01	
33 42 36 00-0096	EA	Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	3,582.05	
33 42 36 00-0097	EA	Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains	436.76	
33 42 36 00-0098		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0058)*		
33 42 36 00-0099		12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0100	LF	12" Wide, Polymer Concrete, Modular Trench Drain	661.68	
33 42 36 00-0101		Outlet Adapters For 12" Wide, Polymer Concrete, Modular Trench Drains *(33 42 36 00-0098)*		
33 42 36 00-0102	EA	Closed End Cap For 12" Wide, Polymer Concrete, Modular Trench Drain	332.66	
33 42 36 00-0103	EA	No-Hub End Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	573.25	
33 42 36 00-0104	EA	No-Hub Bottom Outlet For 12" Wide, Polymer Concrete, Modular Trench Drain	131.96	
33 42 36 00-0105		23" Wide, Modular Trench Drains *(33 42 36 00-0002)*		
33 42 36 00-0106		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0105)*		
33 42 36 00-0107		23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0108	LF	23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drain	591.20	34.31
		For Acid Resistant Coated Frame, Add	*170.34*	
		For Galvanized Frame Assembly, Add	*170.34*	
		For Type 304 Stainless Steel Top Frame, Add	*1,048.22*	
33 42 36 00-0109		Outlet Adapters For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0110	EA	End Cap For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	669.60	
33 42 36 00-0111	EA	No-Hub End Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	975.18	
33 42 36 00-0112	EA	No-Hub Bottom Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	975.18	
33 42 36 00-0113		Other Fittings For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains *(33 42 36 00-0106)*		
33 42 36 00-0114	EA	Bottom Dome Strainer For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	798.63	
33 42 36 00-0115	EA	90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	3,637.01	
33 42 36 00-0116	EA	Cross For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	7,131.09	
33 42 36 00-0117	EA	Cutting Charges For 23" Wide, High-Density Polyethylene (HDPE), Modular Trench Drains	873.52	
33 42 36 00-0118		Modular Trench Drain Grates *(33 42 36 00-0001)*		
33 42 36 00-0119		4" Wide, Modular Trench Drain Grates *(33 42 36 00-0118)*		
33 42 36 00-0120	LF	4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP)	45.22	3.44
33 42 36 00-0121	LF	4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG)	47.55	3.44
33 42 36 00-0122	LF	4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.25	3.44
33 42 36 00-0123	LF	4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.16	3.44
33 42 36 00-0124	LF	4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG)	38.25	3.44
33 42 36 00-0125	LF	4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS)	102.16	3.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0126		**6" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0127	LF	6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate	215.36	3.44
33 42 36 00-0128	LF	6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate	182.39	3.44
33 42 36 00-0129	LF	6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	191.56	3.44
33 42 36 00-0130	LF	6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	167.32	3.44
33 42 36 00-0131	LF	6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	180.42	3.44
33 42 36 00-0132	LF	6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	182.61	3.44
33 42 36 00-0133	LF	6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate	182.61	3.44
33 42 36 00-0134	LF	6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate	180.42	3.44
33 42 36 00-0135	LF	6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate	158.59	3.44
33 42 36 00-0136	LF	6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	158.59	3.44
33 42 36 00-0137	LF	6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	168.63	3.44
33 42 36 00-0138	LF	6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	168.63	3.44
33 42 36 00-0139	LF	6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	219.73	3.44
33 42 36 00-0140	LF	6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	219.73	3.44
33 42 36 00-0141	LF	6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	403.17	3.44
33 42 36 00-0142	LF	6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate	403.17	3.44
33 42 36 00-0143	LF	6" Wide, Stainless Steel Bar, Modular Trench Drain Grate	1,123.83	3.44
33 42 36 00-0144	LF	6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate	149.85	3.44
33 42 36 00-0145	LF	6" Wide, Fiberglass, Modular Trench Drain Grate	324.55	3.44
33 42 36 00-0146		**12" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0147	LF	12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate	595.92	3.71
33 42 36 00-0148	LF	12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	569.71	3.71
33 42 36 00-0149	LF	12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	495.46	3.71
33 42 36 00-0150	LF	12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate	520.57	3.71
33 42 36 00-0151	LF	12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate	449.60	3.71
33 42 36 00-0152	LF	12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate	880.90	3.71
33 42 36 00-0153	LF	12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate	880.90	3.71
33 42 36 00-0154	LF	12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate	1,124.40	3.71
33 42 36 00-0155	LF	12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate	1,124.40	3.71
33 42 36 00-0156	LF	12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate	1,435.59	3.71
33 42 36 00-0157	LF	12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate	1,435.59	3.71
33 42 36 00-0158	LF	12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate	1,362.43	3.71
33 42 36 00-0159	LF	12" Wide, Fiberglass, Modular Trench Drain Grate	642.87	3.71
33 42 36 00-0160		**23" Wide, Modular Trench Drain Grates** *(33 42 36 00-0118)*		
33 42 36 00-0161	LF	23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate	941.53	4.00
33 42 36 00-0162	LF	23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate	793.03	4.00
33 42 36 00-0163	LF	23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate	1,229.79	4.00
33 42 36 00-0164	LF	23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate	910.95	4.00

33 44 Storm Utility Water Drains *(33 40)*

33 44 36 Oil and Stormwater Separators *(33 44)*

33 44 36 00-0001 Oil/Water Separator *(33 44 36)*

Note: Complete with internal sensors and detectors.

33 44 36 00-0002 Coalescing Oil Water Separator *(33 44 36 00-0001)*

Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.

33 44 36 00-0003 Single Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0004	EA	550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,687.20
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0005	EA	1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	24,068.49
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0006	EA	2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	28,806.76
		For Interior Polyurethane Coating, Add	*1,340.10*

33 44 36 00-0007 Double Wall Steel Coalescing Oil Water Separator *(33 44 36 00-0002)*

33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,531.78
		For Interior Polyurethane Coating, Add	*711.00*
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 1000. 4' diameter x 14' long tank.	35,104.79
		For Interior Polyurethane Coating, Add	*893.70*
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,849.01
		For Interior Polyurethane Coating, Add	*1,340.10*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	49,857.15	
		For Interior Polyurethane Coating, Add	*1,550.70*	
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	66,186.64	
		For Interior Polyurethane Coating, Add	*2,057.80*	

33 44 36 00-0013 Accessories For Coalescing Oil Water Separators *(33 44 36 00-0002)*

33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP1.	1,168.08	
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator Note: HTAP2.	1,593.98	
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	958.92	
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	701.86	
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator Note: Required for UL 2215 label.	219.87	
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator	4,190.33	
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator	8,380.67	
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator	12,571.09	
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	755.06	
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	892.16	
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	1,784.31	
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator	3,961.78	
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,076.39	
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,403.19	
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	1,944.21	
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	3,546.57	
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	4,561.96	
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	5,727.30	
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator Note: Required when installed in paved areas.	7,222.55	
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,428.83	
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	1,741.59	
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator	2,735.56	
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,362.43	
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,653.76	
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator	1,962.24	
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	115.68	
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator	130.67	

33 44 36 00-0041 Oil Skimmers *(33 44 36)*

33 44 36 00-0042 Oil Skimmers, 12" And 24" Models *(33 44 36 00-0041)*

33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,207.36	679.12
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,443.16	679.12
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,229.20	679.12
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,531.58	679.12
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,477.00	679.12
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	5,676.77	679.12
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,528.30	679.12
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	5,829.60	679.12
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	5,913.65	905.69
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase	6,165.82	905.69
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	5,980.24	905.69
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase	6,342.67	905.69
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,551.17	905.69
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase	6,803.34	905.69
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,604.66	905.69
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase	6,968.18	905.69

33 44 36 00-0059 Oil Skimmers, Add-Ons *(33 44 36 00-0041)*

33 44 36 00-0060	LF	Add For Belt Projection, 12" Width	16.37
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width	30.57
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models	274.73
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models	322.76

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 46 Stormwater Management *(33 40)*

33 46 23 Modular Buried Stormwater Storage Units *(33 46)*

33 46 23 00-0001 Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™) *(33 46 23)*

Note: Includes chambers and end caps delivery to site. Excludes excavation and earthwork, foundation stone, embedment and perimeter stone, geotextile fabrics and cutting holes in chambers. See CSI section 31 05 16 00-0000 for aggregate (foundation, embedment and perimeter stone), 31 23 16 36-0000 for excavation and earth backfill, 31 32 19 16-0000 for woven and non-woven geotextile fabric.

33 46 23 00-0002 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740) *(33 46 23 00-0001)*

33 46 23 00-0003	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	599.22
33 46 23 00-0004	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	553.90
33 46 23 00-0005	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	520.73
33 46 23 00-0006	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-740)	488.67
33 46 23 00-0007	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	244.77
33 46 23 00-0008	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	217.17
33 46 23 00-0009	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	200.84
33 46 23 00-0010	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-740)	184.78

33 46 23 00-0011 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310) *(33 46 23 00-0001)*

33 46 23 00-0012	EA	Up To 10, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	338.76
33 46 23 00-0013	EA	>10 To 20, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	310.89
33 46 23 00-0014	EA	>20 To 30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	291.24
33 46 23 00-0015	EA	>30, 85.4" Long x 34" Wide x 16" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ SC-310)	273.21
33 46 23 00-0016	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	190.83
33 46 23 00-0017	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	170.35
33 46 23 00-0018	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	157.70
33 46 23 00-0019	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ SC-310)	146.35

33 46 23 00-0020 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500) *(33 46 23 00-0001)*

33 46 23 00-0021	EA	Up To 10, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	1,024.87
33 46 23 00-0022	EA	>10 To 20, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	956.37
33 46 23 00-0023	EA	>20 To 30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	901.01
33 46 23 00-0024	EA	>30, 90" Long x 77" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC3500)	850.48
33 46 23 00-0025	EA	Up To 10, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	861.81
33 46 23 00-0026	EA	>10 To 20, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	801.44
33 46 23 00-0027	EA	>20 To 30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	753.84
33 46 23 00-0028	EA	>30, 25.7" Long x 75" Wide x 45" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC3500)	710.66

33 46 23 00-0029 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780) *(33 46 23 00-0001)*

33 46 23 00-0030	EA	Up To 10, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	622.60
33 46 23 00-0031	EA	>10 To 20, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	576.13
33 46 23 00-0032	EA	>20 To 30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	541.84
33 46 23 00-0033	EA	>30, 85.4" Long x 51" Wide x 30" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ DC-780)	508.71
33 46 23 00-0034	EA	Up To 10, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	244.77
33 46 23 00-0035	EA	>10 To 20, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	212.75
33 46 23 00-0036	EA	>20 To 30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	200.84
33 46 23 00-0037	EA	>30, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ DC-780)	184.78

33 46 23 00-0038 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500) *(33 46 23 00-0001)*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 46 23 00-0039	EA	Up To 10, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	1,064.67	
33 46 23 00-0040	EA	>10 To 20, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	992.28	
33 46 23 00-0041	EA	>20 To 30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	933.06	
33 46 23 00-0042	EA	>30, 52" Long x 100" Wide x 60" High, Polypropylene Corrugated Wall Stormwater Collection Chambers (StormTech™ MC4500)	881.48	
33 46 23 00-0043	EA	Up To 10, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,328.67	
33 46 23 00-0044	EA	>10 To 20, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,243.07	
33 46 23 00-0045	EA	>20 To 30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,171.32	
33 46 23 00-0046	EA	>30, 35.1" Long x 90.2" Wide x 59.4" High, Polypropylene Corrugated Wall Stormwater Collection Chamber End Cap (StormTech™ MC4500)	1,107.83	
33 46 23 00-0047		Cut Opening In Polypropylene Corrugated Wall Stormwater Collection Chambers *(33 46 23 00-0001)*		
33 46 23 00-0048	EA	Cut Up To 6" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	61.89	
33 46 23 00-0049	EA	Cut >6" To 12" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	78.55	
33 46 23 00-0050	EA	Cut >12" To 24" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	102.66	
33 46 23 00-0051	EA	Cut >24" To 36" Diameter Opening, Polypropylene Corrugated Wall Stormwater Collection Chamber Or End Cap	129.69	
33 46 23 00-0052	EA	12" x 6" Inspection Port Kit Note: (2712AG6IPKIT)	755.51	

33 46 53 Stormwater Leaching Pits *(33 46)*

33 46 53 00-0001		Drainage Wells *(33 46 53)* Note: Includes augering hole.		
33 46 53 00-0002	LF	12" Diameter Drainage Well With Corrugated Metal Liner	34.17	
33 46 53 00-0003	LF	18" Diameter Drainage Well With Corrugated Metal Liner	42.04	
33 46 53 00-0004	LF	24" Diameter Drainage Well With Corrugated Metal Liner	56.76	

33 50 Hydrocarbon Utilities *(33)*

33 52 Hydrocarbon Transmission and Distribution *(33 50)*

33 52 16 Gas Hydrocarbon Piping *(33 52)*

33 52 16 13 Steel Natural Gas Piping *(33 52 16)*

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001		Gas Distribution Lines *(33 52 16 13)* Note: Excludes excavation and backfill.		
33 52 16 13-0002		Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped *(33 52 16 13-0001)*		
33 52 16 13-0003	LF	1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	21.73	3.02
33 52 16 13-0004	LF	3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	25.16	3.31
33 52 16 13-0005	LF	1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	29.11	3.41
33 52 16 13-0006	LF	1-1/4" (3.2 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	29.86	3.50
33 52 16 13-0007	LF	1-1/2" (3.6 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	31.05	3.54
33 52 16 13-0008	LF	2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	32.87	3.79
33 52 16 13-0009	LF	2-1/2" (6.0 cm) Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	46.61	4.53
33 52 16 13-0010	LF	3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	58.06	5.71
33 52 16 13-0011	LF	4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	78.81	6.90
33 52 16 13-0012	LF	5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	107.38	8.00
33 52 16 13-0013	LF	6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	135.22	9.77
33 52 16 13-0014	LF	8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel	197.94	12.57
33 52 16 13-0015		Gas Line Taps *(33 52 16 13-0001)* Note: Includes material to tap into main and gas valve.		
33 52 16 13-0016		Polyethylene, 60 PSI *(33 52 16 13-0015)*		
33 52 16 13-0017	EA	2" Polyethylene Hot Tap, With Valve	2,982.80	
33 52 16 13-0018	EA	2-1/2" Polyethylene Hot Tap, With Valve	3,687.92	
33 52 16 13-0019	EA	3" Polyethylene Hot Tap, With Valve	3,859.37	
33 52 16 13-0020	EA	4" Polyethylene Hot Tap, With Valve	5,203.33	
33 52 16 13-0021	EA	6" Polyethylene Hot Tap, With Valve	8,103.09	
33 52 16 13-0022		Steel, Schedule 40 *(33 52 16 13-0015)* Note: For punch steel service tee.		
33 52 16 13-0023	EA	1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,905.22	
33 52 16 13-0024	EA	3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	2,954.47	
33 52 16 13-0025	EA	3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,021.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 13-0026	EA	3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,086.57	
33 52 16 13-0027	EA	1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,135.65	
33 52 16 13-0028	EA	1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Value Steel Service Tee	3,414.23	
33 52 16 13-0029	EA	1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee	3,499.50	
33 52 16 13-0030		Protective Pipe And Fitting Wrap *(33 52 16 13-0001)*		
		Note: Includes cleaning and priming pipe.		
33 52 16 13-0031		Corrosion Protection Pipe Wrap For Pipe *(33 52 16 13-0030)*		
		Note: Field applied.		
33 52 16 13-0032	LF	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	3.93	
33 52 16 13-0033	LF	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.12	
33 52 16 13-0034	LF	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.36	
33 52 16 13-0035	LF	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	4.89	
33 52 16 13-0036	LF	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	5.23	
33 52 16 13-0037	LF	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	6.02	
33 52 16 13-0038	LF	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	7.35	
33 52 16 13-0039	LF	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	9.14	
33 52 16 13-0040	LF	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	11.55	
33 52 16 13-0041	LF	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe	15.36	
33 52 16 13-0042		Corrosion Resistance Wrap And Coat - Fittings *(33 52 16 13-0030)*		
		Note: Field applied.		
33 52 16 13-0043	EA	1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	21.15	
33 52 16 13-0044	EA	3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	21.15	
33 52 16 13-0045	EA	1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	26.06	
33 52 16 13-0046	EA	1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	29.44	
33 52 16 13-0047	EA	1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	29.44	
33 52 16 13-0048	EA	2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	34.87	
33 52 16 13-0049	EA	2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	46.50	
33 52 16 13-0050	EA	3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	64.23	
33 52 16 13-0051	EA	4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	65.06	
33 52 16 13-0052	EA	6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings	74.97	
33 52 16 13-0053		Service Fittings *(33 52 16 13-0001)*		
33 52 16 13-0054		Brass Fittings *(33 52 16 13-0053)*		
33 52 16 13-0055	EA	1/2" X 2" Long Nipples, Threaded Both Ends, Brass	40.29	
33 52 16 13-0056	EA	3/4" X 2" Long Nipples, Threaded Both Ends, Brass	47.01	
33 52 16 13-0057	EA	1" X 2" Long Nipples, Threaded Both Ends, Brass	59.93	
33 52 16 13-0058	EA	1-1/4" X 2" Long Nipples, Threaded Both Ends, Brass	74.82	
33 52 16 13-0059	EA	1-1/2" X 2" Long Nipples, Threaded Both Ends, Brass	84.16	
33 52 16 13-0060	EA	2" X 2" Long Nipples, Threaded Both Ends, Brass	110.44	
33 52 16 13-0061	EA	1/2" 90 Degree Elbow, Brass	34.58	
33 52 16 13-0062	EA	3/4" 90 Degree Elbow, Brass	39.93	
33 52 16 13-0063	EA	1" 90 Degree Elbow, Brass	52.19	
33 52 16 13-0064	EA	1-1/4" 90 Degree Elbow, Brass	68.08	
33 52 16 13-0065	EA	1-1/2" 90 Degree Elbow, Brass	78.12	
33 52 16 13-0066	EA	2" 90 Degree Elbow, Brass	105.47	
33 52 16 13-0067	EA	1/2" Diameter Chrome Plated Nipple	28.28	
33 52 16 13-0068	EA	3/4" Diameter Chrome Plated Nipple	36.46	
33 52 16 13-0069	EA	1" Diameter Chrome Plated Nipple	47.51	
33 52 16 13-0070	EA	1-1/4" Diameter Chrome Plated Nipple	67.78	
33 52 16 13-0071	EA	1-1/2" Diameter Chrome Plated Nipple	82.30	
33 52 16 13-0072	EA	2" Diameter Chrome Plated Nipple	111.24	
33 52 16 13-0073		Anodeless Gas Riser *(33 52 16 13-0053)*		
33 52 16 13-0074	EA	3/4" Anodeless Gas Riser	102.87	
33 52 16 13-0075	EA	1" Anodeless Gas Riser	127.53	
33 52 16 13-0076	EA	1-1/4" Anodeless Gas Riser	150.16	
33 52 16 13-0077	EA	1-1/2" Anodeless Gas Riser	188.96	
33 52 16 13-0078	EA	2" Anodeless Gas Riser	217.56	
33 52 16 13-0079		Brass Service Adapter *(33 52 16 13-0053)*		
33 52 16 13-0080	EA	1/2" Brass Service Adapter	71.23	
33 52 16 13-0081	EA	3/4" Brass Service Adapter	78.38	
33 52 16 13-0082	EA	1" Brass Service Adapter	93.89	
33 52 16 13-0083	EA	1-1/4" Brass Service Adapter	112.56	
33 52 16 13-0084	EA	1-1/2" Brass Service Adapter	133.76	
33 52 16 13-0085	EA	2" Brass Service Adapter	159.27	
33 52 16 13-0086	EA	2-1/2" Brass Service Adapter	263.85	
33 52 16 13-0087	EA	3" Brass Service Adapter	321.96	
33 52 16 13-0088	EA	4" Brass Service Adapter	461.69	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 23		**Medium Density Polyethylene Piping for Natural Gas** *(33 52 16)*		
33 52 16 23-0001		Medium Density Polyethylene (MDPE) Gas Distribution Piping *(33 52 16 23)* Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 23-0002	LF	1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.39	1.89
		For Colors, Add	*0.07*	
33 52 16 23-0003	LF	3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	4.91	2.03
		For SDR 13.5, Deduct	*-0.13*	
		For Colors, Add	*0.09*	
33 52 16 23-0004	LF	1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.42	2.16
		For SDR 13.5, Deduct	*-0.16*	
		For Colors, Add	*0.11*	
33 52 16 23-0005	LF	1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	5.96	2.30
		For SDR 13.5, Deduct	*-0.20*	
		For Colors, Add	*0.13*	
33 52 16 23-0006	LF	1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	6.92	2.77
		For SDR 13.5, Deduct	*-0.28*	
		For Colors, Add	*0.18*	
33 52 16 23-0007	LF	2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	7.87	3.01
		For SDR 13.5, Deduct	*-0.37*	
		For SDR 15.5, Deduct	*-0.67*	
		For Colors, Add	*0.24*	
33 52 16 23-0008	LF	2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	10.10	3.52
		For SDR 13.5, Deduct	*-0.61*	
		For SDR 15.5, Deduct	*-1.12*	
		For Colors, Add	*0.39*	
33 52 16 23-0009	LF	3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	12.45	4.19
		For SDR 13.5, Deduct	*-0.83*	
		For SDR 15.5, Deduct	*-1.53*	
		For Colors, Add	*0.54*	
33 52 16 23-0010	LF	4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	20.35	4.82
		For SDR 13.5, Deduct	*-1.54*	
		For SDR 15.5, Deduct	*-2.83*	
		For Colors, Add	*0.99*	
33 52 16 23-0011	LF	5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	25.94	4.82
		For SDR 13.5, Deduct	*-2.13*	
		For SDR 15.5, Deduct	*-3.92*	
		For Colors, Add	*1.38*	
33 52 16 23-0012	LF	6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	31.65	4.82
		For SDR 13.5, Deduct	*-2.73*	
		For SDR 15.5, Deduct	*-5.02*	
		For Colors, Add	*1.76*	
33 52 16 23-0013	LF	8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe	47.48	6.01
		For SDR 13.5, Deduct	*-4.54*	
		For SDR 15.5, Deduct	*-8.36*	
		For Colors, Add	*2.93*	
33 52 16 26		**High-Density Polyethylene (HDPE) Piping for Natural Gas** *(33 52 16)*		
33 52 16 26-0001		High-Density Polyethylene (HDPE) Gas Distribution Piping *(33 52 16 26)* Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.		
33 52 16 26-0002	LF	1/2" Diameter, SDR 9 High-Density Polyethylene (HDPE) Gas Distribution Pipe	4.47	1.89
33 52 16 26-0003	LF	3/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.03	2.03
		For SDR 13.5, Deduct	*-0.15*	
33 52 16 26-0004	LF	1" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	5.54	2.16
		For SDR 13.5, Deduct	*-0.18*	
33 52 16 26-0005	LF	1-1/4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	6.12	2.30
		For SDR 13.5, Deduct	*-0.22*	
33 52 16 26-0006	LF	1-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	7.14	2.77
		For SDR 13.5, Deduct	*-0.31*	
33 52 16 26-0007	LF	2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	8.17	3.01
		For SDR 13.5, Deduct	*-0.40*	
		For SDR 15.5, Deduct	*-0.74*	
		For SDR 17, Deduct	*-1.08*	
33 52 16 26-0008	LF	2-1/2" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	10.60	3.52
		For SDR 13.5, Deduct	*-0.67*	
		For SDR 15.5, Deduct	*-1.23*	
		For SDR 17, Deduct	*-1.79*	
33 52 16 26-0009	LF	3" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	13.12	4.19
		For SDR 13.5, Deduct	*-0.92*	
		For SDR 15.5, Deduct	*-1.68*	
		For SDR 17, Deduct	*-2.44*	
		For SDR 21, Deduct	*-3.34*	
33 52 16 26-0010	LF	4" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	21.59	4.82
		For SDR 13.5, Deduct	*-1.69*	
		For SDR 15.5, Deduct	*-3.11*	
		For SDR 17, Deduct	*-4.52*	
		For SDR 21, Deduct	*-6.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 52 16 26-0011	LF	6" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	33.85	4.82
		For SDR 13.5, Deduct	*-3.00*	
		For SDR 15.5, Deduct	*-5.52*	
		For SDR 17, Deduct	*-8.02*	
		For SDR 21, Deduct	*-10.97*	
33 52 16 26-0012	LF	8" Diameter, SDR 11 High-Density Polyethylene (HDPE) Gas Distribution Pipe	51.15	6.01
		For SDR 13.5, Deduct	*-5.00*	
		For SDR 15.5, Deduct	*-9.19*	
		For SDR 17, Deduct	*-13.35*	
		For SDR 21, Deduct	*-18.26*	

33 53 Hydrocarbon Utility Pressure Regulation *(33 50)*

33 53 16 Gas Hydrocarbon Pressure Regulation *(33 53)*

33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends *(33 53 16)*

33 53 16 00-0002	EA	3/4" Gas Pressure Regulator, Screwed End	250.25	19.67
33 53 16 00-0003	EA	1" Gas Pressure Regulator, Screwed End	254.71	19.67
33 53 16 00-0004	EA	1-1/4" Gas Pressure Regulator, Screwed End	265.42	23.35
33 53 16 00-0005	EA	1-1/2" Gas Pressure Regulator, Screwed End	900.16	27.03
33 53 16 00-0006	EA	2" Gas Pressure Regulator, Screwed End	956.61	41.87
33 53 16 00-0007	EA	3" Gas Pressure Regulator, Screwed End	2,690.03	93.93
33 53 16 00-0008	EA	4" Gas Pressure Regulator, Screwed End	3,739.20	124.49

33 56 Hydrocarbon Storage *(33 50)*

33 56 13 Aboveground Hydrocarbon Storage Tanks *(33 56)*

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

33 56 33 Underground Hydrocarbon Storage *(33 56)*

See CSI section 23 13 13 00-0000 for underground storage tanks.

33 59 Hydrocarbon Utility Metering *(33 50)*

33 59 11 Diaphragm/Bellows Hydrocarbons Meters *(33 59)*

33 59 11 00-0001 Diaphragm Meters *(33 59 11)*

Note: With standard direct-digital reading maximum working pressures 5 lb. to 100 lb., threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA	250 CF/Hour Gas Diaphragm Meter At 5 Lb., Direct Digital, Threaded	607.27	76.95
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0003	EA	425 CF/Hour Gas Diaphragm Meter At 10 Lb., Direct Digital, Threaded	1,200.22	117.69
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0004	EA	425 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	1,415.52	117.69
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0005	EA	800 CF/Hour Gas Diaphragm Meter At 20 Lb., Direct Digital, Threaded	3,118.08	147.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0006	EA	1,000 CF/Hour Gas Diaphragm Meter At 25 Lb., Direct Digital, Threaded	3,523.37	181.07
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0007	EA	800 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	4,656.44	147.11
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0008	EA	1,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	5,178.82	181.07
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0009	EA	1,400 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	6,846.40	192.39
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0010	EA	2,300 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	9,696.49	226.34
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	
33 59 11 00-0011	EA	5,000 CF/Hour Gas Diaphragm Meter At 100 Lb., Direct Digital, Threaded	14,804.72	373.46
		For Temperature And Pressure Compensation, Add	*8.40*	
		For Pulsers, Add	*26.50*	

33 59 16 Hydrocarbons Turbine Meters *(33 59)*

33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading *(33 59 16)*

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA	4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	11,873.93	395.98
33 59 16 00-0003	EA	6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	12,764.40	459.85
33 59 16 00-0004	EA	8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	19,760.36	493.76
33 59 16 00-0005	EA	10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	38,435.39	601.09
33 59 16 00-0006	EA	12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged	63,345.84	751.36

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

33 60 Hydronic and Steam Energy Utilities *(33)*

33 61 Hydronic Energy Distribution *(33 60)*

33 61 13 Buried Hydronic Energy Distribution *(33 61)*

33 61 13 00-0001 **Prefabricated/Preinsulated Pipe** *(33 61 13)*

Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system.

33 61 13 00-0002 **Preinsulated Schedule 40 Black Steel Pipe** *(33 61 13 00-0001)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0003 **Standard Black Steel Carrier Pipe** *(33 61 13 00-0002)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	192.14	20.51
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.30*	
		For Schedule 80 Pipe, Add	*32.96*	
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	210.76	22.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.62*	
		For Schedule 80 Pipe, Add	*36.25*	
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	235.48	23.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.08*	
		For Schedule 80 Pipe, Add	*40.83*	
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	252.19	24.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.38*	
		For Schedule 80 Pipe, Add	*43.82*	
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	264.18	26.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.58*	
		For Schedule 80 Pipe, Add	*45.81*	
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	292.40	32.58
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.98*	
		For Schedule 80 Pipe, Add	*49.79*	
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	321.90	39.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.38*	
		For Schedule 80 Pipe, Add	*53.78*	
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	406.10	50.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.77*	
		For Schedule 80 Pipe, Add	*67.72*	
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	515.89	62.01
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.66*	
		For Schedule 80 Pipe, Add	*86.64*	
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	599.79	72.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.06*	
		For Schedule 80 Pipe, Add	*100.58*	
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	849.00	87.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.64*	
		For Schedule 80 Pipe, Add	*146.39*	
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,105.27	104.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.32*	
		For Schedule 80 Pipe, Add	*193.20*	
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,376.41	128.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.10*	
		For Schedule 80 Pipe, Add	*241.00*	

33 61 13 00-0017 **Standard Black Steel Carrier Pipe** *(33 61 13 00-0002)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	208.63	20.51
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.63*	
		For Schedule 80 Pipe, Add	*36.26*	
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	228.89	22.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.99*	
		For Schedule 80 Pipe, Add	*39.87*	
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	255.90	23.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.49*	
		For Schedule 80 Pipe, Add	*44.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	274.10	24.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.82*	
		For Schedule 80 Pipe, Add	*48.20*	
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	287.08	26.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
		For Schedule 80 Pipe, Add	*50.39*	
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pip With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	317.30	32.58
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.48*	
		For Schedule 80 Pipe, Add	*54.77*	
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.79	39.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
		For Schedule 80 Pipe, Add	*59.15*	
33 61 13 00-0025	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	439.96	50.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.45*	
		For Schedule 80 Pipe, Add	*74.49*	
33 61 13 00-0026	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	559.21	62.01
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.53*	
		For Schedule 80 Pipe, Add	*95.30*	
33 61 13 00-0027	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	650.08	72.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.06*	
		For Schedule 80 Pipe, Add	*110.64*	
33 61 13 00-0028	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	922.20	87.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.10*	
		For Schedule 80 Pipe, Add	*161.03*	
33 61 13 00-0029	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,201.86	104.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.25*	
		For Schedule 80 Pipe, Add	*212.51*	
33 61 13 00-0030	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,496.91	128.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.51*	
		For Schedule 80 Pipe, Add	*265.10*	
33 61 13 00-0031		**Standard Black Steel Carrier Pipe** *(33 61 13 00-0002)*		
		Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0032	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	216.87	20.51
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.79*	
		For Schedule 80 Pipe, Add	*37.91*	
33 61 13 00-0033	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	237.95	22.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.17*	
		For Schedule 80 Pipe, Add	*41.69*	
33 61 13 00-0034	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	266.10	23.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.70*	
		For Schedule 80 Pipe, Add	*46.95*	
33 61 13 00-0035	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	285.05	24.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.04*	
		For Schedule 80 Pipe, Add	*50.39*	
33 61 13 00-0036	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	298.53	26.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.27*	
		For Schedule 80 Pipe, Add	*52.68*	
33 61 13 00-0037	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	329.75	32.58
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.73*	
		For Schedule 80 Pipe, Add	*57.26*	
33 61 13 00-0038	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	362.23	39.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.18*	
		For Schedule 80 Pipe, Add	*61.84*	
33 61 13 00-0039	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	456.89	50.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
		For Schedule 80 Pipe, Add	*77.88*	
33 61 13 00-0040	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	580.87	62.01
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.96*	
		For Schedule 80 Pipe, Add	*99.64*	
33 61 13 00-0041	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	675.22	72.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.57*	
		For Schedule 80 Pipe, Add	*115.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0042	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	958.79	87.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.83*	
		For Schedule 80 Pipe, Add	*168.35*	
33 61 13 00-0043	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,250.16	104.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.22*	
		For Schedule 80 Pipe, Add	*222.17*	
33 61 13 00-0044	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,557.16	128.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.71*	
		For Schedule 80 Pipe, Add	*277.15*	

33 61 13 00-0045 Standard Black Steel Carrier Pipe *(33 61 13 00-0002)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0046	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	229.23	20.51
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.04*	
		For Schedule 80 Pipe, Add	*40.38*	
33 61 13 00-0047	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	251.55	22.13
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.44*	
		For Schedule 80 Pipe, Add	*44.41*	
33 61 13 00-0048	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	281.41	23.50
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
		For Schedule 80 Pipe, Add	*50.02*	
33 61 13 00-0049	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	301.48	24.82
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
		For Schedule 80 Pipe, Add	*53.68*	
33 61 13 00-0050	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	315.71	26.35
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
		For Schedule 80 Pipe, Add	*56.12*	
33 61 13 00-0051	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	348.42	32.58
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.10*	
		For Schedule 80 Pipe, Add	*61.00*	
33 61 13 00-0052	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	382.40	39.76
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.59*	
		For Schedule 80 Pipe, Add	*65.88*	
33 61 13 00-0053	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	482.28	50.63
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.30*	
		For Schedule 80 Pipe, Add	*82.95*	
33 61 13 00-0054	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	613.35	62.01
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.61*	
		For Schedule 80 Pipe, Add	*106.13*	
33 61 13 00-0055	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	712.94	72.66
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.32*	
		For Schedule 80 Pipe, Add	*123.21*	
33 61 13 00-0056	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,013.69	87.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.93*	
		For Schedule 80 Pipe, Add	*179.33*	
33 61 13 00-0057	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,322.61	104.46
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.67*	
		For Schedule 80 Pipe, Add	*236.66*	
33 61 13 00-0058	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,647.53	128.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.52*	
		For Schedule 80 Pipe, Add	*295.22*	

33 61 13 00-0059 Preinsulated Black Steel Fittings *(33 61 13 00-0001)*

Note: No excavation or backfill.

33 61 13 00-0060 Elbows *(33 61 13 00-0059)*

33 61 13 00-0061 Elbows *(33 61 13 00-0060)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0062	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,379.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.11*	
33 61 13 00-0063	EA	1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,418.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*25.70*	
33 61 13 00-0064	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,620.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0065	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,788.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.90*	
33 61 13 00-0066	EA	2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,951.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.23*	
33 61 13 00-0067	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,152.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.56*	
33 61 13 00-0068	EA	3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,491.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.88*	
33 61 13 00-0069	EA	4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,906.72	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.52*	
33 61 13 00-0070	EA	5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,612.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.82*	
33 61 13 00-0071	EA	6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,049.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*67.94*	
33 61 13 00-0072	EA	8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,781.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*98.22*	
33 61 13 00-0073	EA	10" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,585.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*125.54*	
33 61 13 00-0074	EA	12" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,878.61	
		For High-Density Polyethylene (HDPE) Jacket, Add	*166.16*	

33 61 13 00-0075 Elbows *(33 61 13 00-0060)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0076	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,473.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.99*	
33 61 13 00-0077	EA	1" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,515.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.63*	
33 61 13 00-0078	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,730.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.44*	
33 61 13 00-0079	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,908.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.30*	
33 61 13 00-0080	EA	2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,076.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.72*	
33 61 13 00-0081	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,282.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	
33 61 13 00-0082	EA	3" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,640.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.87*	
33 61 13 00-0083	EA	4" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,081.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.01*	
33 61 13 00-0084	EA	5" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,836.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*64.30*	
33 61 13 00-0085	EA	6" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,304.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.04*	
33 61 13 00-0086	EA	8" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,150.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*105.59*	
33 61 13 00-0087	EA	10" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,056.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*134.96*	
33 61 13 00-0088	EA	12" Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,501.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.62*	

33 61 13 00-0089 Elbows *(33 61 13 00-0060)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0090	EA	3/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,568.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.87*	
33 61 13 00-0091	EA	1" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,611.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0092	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,839.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.63*	
33 61 13 00-0093	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,027.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.69*	
33 61 13 00-0094	EA	2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,201.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.22*	
33 61 13 00-0095	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,411.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.75*	
33 61 13 00-0096	EA	3" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,790.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.86*	
33 61 13 00-0097	EA	4" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,255.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.50*	
33 61 13 00-0098	EA	5" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,060.80	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.79*	
33 61 13 00-0099	EA	6" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,558.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*78.13*	
33 61 13 00-0100	EA	8" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,518.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.95*	
33 61 13 00-0101	EA	10" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,526.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*144.37*	
33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,124.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*191.08*	

33 61 13 00-0103 Elbows *(33 61 13 00-0060)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,662.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.76*	
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,708.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*31.48*	
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,949.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.82*	
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,147.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.08*	
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,325.70	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.71*	
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,541.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.34*	
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,939.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*48.85*	
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,430.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.99*	
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,285.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*73.28*	
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,813.62	
		For High-Density Polyethylene (HDPE) Jacket, Add	*83.23*	
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,886.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*120.32*	
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,997.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*153.79*	
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,747.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*203.55*	

33 61 13 00-0117 Tees *(33 61 13 00-0059)*

33 61 13 00-0118 Tees *(33 61 13 00-0117)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,050.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,108.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.16*	
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,408.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.43*	
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,658.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.38*	
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,902.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.35*	
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,201.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.32*	
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,706.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.22*	
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,325.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*69.09*	
33 61 13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,376.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*88.83*	
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,023.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*100.89*	
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,597.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*145.86*	
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,286.21	
		For High-Density Polyethylene (HDPE) Jacket, Add	*186.43*	
33 61 13 00-0131	EA	12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	14,693.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*246.75*	

33 61 13 00-0132 Tees *(33 61 13 00-0117)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0133	EA	3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,190.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*40.08*	
33 61 13 00-0134	EA	1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,252.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.03*	
33 61 13 00-0135	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,571.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.68*	
33 61 13 00-0136	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,836.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*50.93*	
33 61 13 00-0137	EA	2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,087.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.05*	
33 61 13 00-0138	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,394.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.17*	
33 61 13 00-0139	EA	3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,928.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*63.66*	
33 61 13 00-0140	EA	4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,584.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*74.27*	
33 61 13 00-0141	EA	5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,709.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*95.49*	
33 61 13 00-0142	EA	6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,402.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.46*	
33 61 13 00-0143	EA	8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,144.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*156.79*	
33 61 13 00-0144	EA	10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	11,985.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*200.41*	
33 61 13 00-0145	EA	12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	15,618.59	
		For High-Density Polyethylene (HDPE) Jacket, Add	*265.25*	

33 61 13 00-0146 Tees *(33 61 13 00-0117)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0147	EA	3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,330.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*42.88*	
33 61 13 00-0148	EA	1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,395.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*43.89*	
33 61 13 00-0149	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,734.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.94*	
33 61 13 00-0150	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,014.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*54.48*	
33 61 13 00-0151	EA	2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,272.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.75*	
33 61 13 00-0152	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,586.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*59.02*	
33 61 13 00-0153	EA	3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,150.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*68.10*	
33 61 13 00-0154	EA	4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,843.36	
		For High-Density Polyethylene (HDPE) Jacket, Add	*79.45*	
33 61 13 00-0155	EA	5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,042.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*102.15*	
33 61 13 00-0156	EA	6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,780.57	
		For High-Density Polyethylene (HDPE) Jacket, Add	*116.03*	
33 61 13 00-0157	EA	8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,691.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*167.73*	
33 61 13 00-0158	EA	10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	12,684.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*214.40*	
33 61 13 00-0159	EA	12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	16,543.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*283.76*	

33 61 13 00-0160 Tees *(33 61 13 00-0117)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,470.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*45.68*	
33 61 13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,538.27	
		For High-Density Polyethylene (HDPE) Jacket, Add	*46.75*	
33 61 13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,897.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.20*	
33 61 13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,191.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.04*	
33 61 13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,457.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.45*	
33 61 13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,779.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*62.87*	
33 61 13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,373.00	
		For High-Density Polyethylene (HDPE) Jacket, Add	*72.54*	
33 61 13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,102.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*84.63*	
33 61 13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,376.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*108.82*	
33 61 13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,158.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*123.59*	
33 61 13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	10,238.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*178.67*	
33 61 13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	13,383.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*228.38*	
33 61 13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	17,469.20	
		For High-Density Polyethylene (HDPE) Jacket, Add	*302.27*	

33 61 13 00-0174 Reducers *(33 61 13 00-0059)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0175		**Reducers** *(33 61 13 00-0174)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,153.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.84*	
33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,187.05	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.33*	
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,356.12	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.27*	
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,498.02	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.48*	
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,640.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*27.58*	
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,825.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.69*	
33 61 13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,106.44	
		For High-Density Polyethylene (HDPE) Jacket, Add	*33.10*	
33 61 13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,452.96	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.62*	
33 61 13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,041.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*49.65*	
33 61 13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,406.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*56.39*	
33 61 13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,859.93	
		For High-Density Polyethylene (HDPE) Jacket, Add	*81.52*	
33 61 13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,387.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*104.20*	
33 61 13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,306.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*137.91*	
33 61 13 00-0189		**Reducers** *(33 61 13 00-0174)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,232.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.40*	
33 61 13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,267.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.93*	
33 61 13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,447.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.09*	
33 61 13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,597.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.47*	
33 61 13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,743.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.65*	
33 61 13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,933.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.84*	
33 61 13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,230.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*35.58*	
33 61 13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,597.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.51*	
33 61 13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,227.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*53.37*	
33 61 13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,618.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*60.62*	
33 61 13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,165.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*87.64*	
33 61 13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	6,778.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*112.02*	
33 61 13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	8,823.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*148.26*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0203			**Reducers** *(33 61 13 00-0174)*		
			Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0204		EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,310.25	
			For High-Density Polyethylene (HDPE) Jacket, Add	*23.97*	
33 61 13 00-0205		EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,347.03	
			For High-Density Polyethylene (HDPE) Jacket, Add	*24.53*	
33 61 13 00-0206		EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,538.17	
			For High-Density Polyethylene (HDPE) Jacket, Add	*27.91*	
33 61 13 00-0207		EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,696.62	
			For High-Density Polyethylene (HDPE) Jacket, Add	*30.45*	
33 61 13 00-0208		EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,847.09	
			For High-Density Polyethylene (HDPE) Jacket, Add	*31.72*	
33 61 13 00-0209		EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,040.93	
			For High-Density Polyethylene (HDPE) Jacket, Add	*32.99*	
33 61 13 00-0210		EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,354.68	
			For High-Density Polyethylene (HDPE) Jacket, Add	*38.06*	
33 61 13 00-0211		EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,742.57	
			For High-Density Polyethylene (HDPE) Jacket, Add	*44.41*	
33 61 13 00-0212		EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,414.15	
			For High-Density Polyethylene (HDPE) Jacket, Add	*57.10*	
33 61 13 00-0213		EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,829.71	
			For High-Density Polyethylene (HDPE) Jacket, Add	*64.85*	
33 61 13 00-0214		EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,471.34	
			For High-Density Polyethylene (HDPE) Jacket, Add	*93.75*	
33 61 13 00-0215		EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,169.50	
			For High-Density Polyethylene (HDPE) Jacket, Add	*119.83*	
33 61 13 00-0216		EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,341.14	
			For High-Density Polyethylene (HDPE) Jacket, Add	*158.60*	
33 61 13 00-0217			**Reducers** *(33 61 13 00-0174)*		
			Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0218		EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,388.40	
			For High-Density Polyethylene (HDPE) Jacket, Add	*25.53*	
33 61 13 00-0219		EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,427.02	
			For High-Density Polyethylene (HDPE) Jacket, Add	*26.13*	
33 61 13 00-0220		EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,629.19	
			For High-Density Polyethylene (HDPE) Jacket, Add	*29.73*	
33 61 13 00-0221		EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,795.91	
			For High-Density Polyethylene (HDPE) Jacket, Add	*32.44*	
33 61 13 00-0222		EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,950.52	
			For High-Density Polyethylene (HDPE) Jacket, Add	*33.79*	
33 61 13 00-0223		EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,148.50	
			For High-Density Polyethylene (HDPE) Jacket, Add	*35.14*	
33 61 13 00-0224		EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,478.81	
			For High-Density Polyethylene (HDPE) Jacket, Add	*40.55*	
33 61 13 00-0225		EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,887.38	
			For High-Density Polyethylene (HDPE) Jacket, Add	*47.30*	
33 61 13 00-0226		EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,600.33	
			For High-Density Polyethylene (HDPE) Jacket, Add	*60.82*	
33 61 13 00-0227		EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,041.17	
			For High-Density Polyethylene (HDPE) Jacket, Add	*69.08*	
33 61 13 00-0228		EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	5,777.04	
			For High-Density Polyethylene (HDPE) Jacket, Add	*99.86*	
33 61 13 00-0229		EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	7,560.25	
			For High-Density Polyethylene (HDPE) Jacket, Add	*127.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	9,858.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*168.94*	
33 61 13 00-0231		**Preinsulated Type K Copper Pipe** *(33 61 13 00-0001)*		
		Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0232		**Type K Copper Carrier Pipe** *(33 61 13 00-0231)*		
		Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	48.90	18.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.43*	
33 61 13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.24	19.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.04	21.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.53*	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	61.76	22.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.57*	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	65.10	23.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.60*	
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	76.03	29.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	88.24	35.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	111.89	45.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.88*	
33 61 13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	139.44	55.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.13*	
33 61 13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	162.77	64.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.31*	
33 61 13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	212.81	78.83
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.90*	
33 61 13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	265.60	93.45
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.51*	
33 61 13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	328.96	114.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.13*	
33 61 13 00-0246		**Type K Copper Carrier Pipe** *(33 61 13 00-0231)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0247	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	51.04	18.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.47*	
33 61 13 00-0248	LF	1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	55.59	19.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0249	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	60.69	21.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0250	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.61	22.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.63*	
33 61 13 00-0251	LF	2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.07	23.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0252	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	79.27	29.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.71*	
33 61 13 00-0253	LF	3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	91.73	35.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.77*	
33 61 13 00-0254	LF	4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	116.29	45.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.97*	
33 61 13 00-0255	LF	5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	145.07	55.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.24*	
33 61 13 00-0256	LF	6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	169.30	64.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.44*	
33 61 13 00-0257	LF	8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	222.32	78.83
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.09*	

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33 61 13 00-0258	LF	10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	278.15	93.45
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.76*	
33 61 13 00-0259	LF	12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	344.61	114.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.44*	

33 61 13 00-0260 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0261	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	52.11	18.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.49*	
33 61 13 00-0262	LF	1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	56.77	19.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.54*	
33 61 13 00-0263	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	62.02	21.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.61*	
33 61 13 00-0264	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	66.03	22.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0265	LF	2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	69.56	23.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.68*	
33 61 13 00-0266	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	80.89	29.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.74*	
33 61 13 00-0267	LF	3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	93.48	35.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.80*	
33 61 13 00-0268	LF	4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	118.49	45.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.01*	
33 61 13 00-0269	LF	5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	147.88	55.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.29*	
33 61 13 00-0270	LF	6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	172.57	64.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.50*	
33 61 13 00-0271	LF	8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	227.08	78.52
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.19*	
33 61 13 00-0272	LF	10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	284.42	93.45
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.89*	
33 61 13 00-0273	LF	12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	352.44	114.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.60*	

33 61 13 00-0274 Type K Copper Carrier Pipe *(33 61 13 00-0231)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0275	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	53.72	18.34
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.52*	
33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	58.53	19.79
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.58*	
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	64.01	21.03
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.65*	
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	68.17	22.21
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.70*	
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	71.79	23.57
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.73*	
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	83.31	29.14
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.79*	
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	96.10	35.56
		For High-Density Polyethylene (HDPE) Jacket, Add	*0.86*	
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	121.79	45.30
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.08*	
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	152.10	55.47
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.38*	
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	177.47	64.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*1.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	234.21	78.52
		For High-Density Polyethylene (HDPE) Jacket, Add	*2.33*	
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	293.83	93.45
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.07*	
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	364.18	114.99
		For High-Density Polyethylene (HDPE) Jacket, Add	*3.84*	

33 61 13 00-0288 Preinsulated Copper Fittings *(33 61 13 00-0001)*

33 61 13 00-0289 Elbows *(33 61 13 00-0288)*

33 61 13 00-0290 Elbows *(33 61 13 00-0289)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	352.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.88*	
33 61 13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	366.28	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.00*	
33 61 13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	421.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.69*	
33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	478.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.20*	
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	575.40	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.46*	
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	704.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.72*	
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	819.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.75*	
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	956.95	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.04*	
33 61 13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,121.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.63*	
33 61 13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,227.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.21*	
33 61 13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,711.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.09*	
33 61 13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,357.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.41*	
33 61 13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,980.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.30*	

33 61 13 00-0304 Elbows *(33 61 13 00-0289)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	370.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.25*	
33 61 13 00-0306	EA	1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	385.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.37*	
33 61 13 00-0307	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	443.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.11*	
33 61 13 00-0308	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	501.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.67*	
33 61 13 00-0309	EA	2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	599.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.94*	
33 61 13 00-0310	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	730.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.22*	
33 61 13 00-0311	EA	3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	849.01	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.33*	
33 61 13 00-0312	EA	4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	990.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0313	EA	5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,165.25	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.50*	
33 61 13 00-0314	EA	6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,277.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.20*	
33 61 13 00-0315	EA	8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,783.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.53*	
33 61 13 00-0316	EA	10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,449.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.24*	
33 61 13 00-0317	EA	12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,101.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.72*	

33 61 13 00-0318 Elbows *(33 61 13 00-0289)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	388.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.61*	
33 61 13 00-0320	EA	1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	403.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.75*	
33 61 13 00-0321	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	464.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.54*	
33 61 13 00-0322	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	524.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.13*	
33 61 13 00-0323	EA	2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	623.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.43*	
33 61 13 00-0324	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	755.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.73*	
33 61 13 00-0325	EA	3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	878.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.92*	
33 61 13 00-0326	EA	4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,024.78	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.40*	
33 61 13 00-0327	EA	5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,208.85	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.37*	
33 61 13 00-0328	EA	6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,326.89	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.19*	
33 61 13 00-0329	EA	8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,854.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.96*	
33 61 13 00-0330	EA	10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,540.31	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.07*	
33 61 13 00-0331	EA	12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,223.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*37.15*	

33 61 13 00-0332 Elbows *(33 61 13 00-0289)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	407.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.98*	
33 61 13 00-0334	EA	1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	422.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.12*	
33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	485.88	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.96*	
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	548.11	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.60*	
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	648.08	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.91*	
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	780.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.23*	
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	907.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,058.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.08*	
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,252.46	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.24*	
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,376.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.18*	
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,926.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.39*	
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,631.84	
		For High-Density Polyethylene (HDPE) Jacket, Add	*29.90*	
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,344.54	
		For High-Density Polyethylene (HDPE) Jacket, Add	*39.57*	

33 61 13 00-0346 Tees *(33 61 13 00-0288)*

33 61 13 00-0347 Tees *(33 61 13 00-0346)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	524.55	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.25*	
33 61 13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	545.51	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.42*	
33 61 13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	628.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.44*	
33 61 13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	712.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.21*	
33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	857.76	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.59*	
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,051.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.98*	
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,224.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.51*	
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,428.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,676.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.27*	
33 61 13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,832.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.61*	
33 61 13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,551.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.35*	
33 61 13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,520.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*36.24*	
33 61 13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,446.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*47.97*	

33 61 13 00-0361 Tees *(33 61 13 00-0346)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	551.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.79*	
33 61 13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	573.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.98*	
33 61 13 00-0364	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	660.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.08*	
33 61 13 00-0365	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	747.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.90*	
33 61 13 00-0366	EA	2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	893.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.31*	
33 61 13 00-0367	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,089.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0368	EA	3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,267.32	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.38*	
33 61 13 00-0369	EA	4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,479.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.44*	
33 61 13 00-0370	EA	5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,741.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.56*	
33 61 13 00-0371	EA	6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,905.65	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.08*	
33 61 13 00-0372	EA	8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,658.18	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.48*	
33 61 13 00-0373	EA	10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,656.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*38.96*	
33 61 13 00-0374	EA	12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,626.87	
		For High-Density Polyethylene (HDPE) Jacket, Add	*51.56*	

33 61 13 00-0375 Tees *(33 61 13 00-0346)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0376	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	578.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.34*	
33 61 13 00-0377	EA	1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	601.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.53*	
33 61 13 00-0378	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	691.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.71*	
33 61 13 00-0379	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	781.73	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.59*	
33 61 13 00-0380	EA	2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	929.71	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.03*	
33 61 13 00-0381	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,126.58	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.47*	
33 61 13 00-0382	EA	3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,310.49	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.24*	
33 61 13 00-0383	EA	4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,529.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.45*	
33 61 13 00-0384	EA	5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,806.16	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.86*	
33 61 13 00-0385	EA	6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,979.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*22.56*	
33 61 13 00-0386	EA	8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,763.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.61*	
33 61 13 00-0387	EA	10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,789.42	
		For High-Density Polyethylene (HDPE) Jacket, Add	*41.68*	
33 61 13 00-0388	EA	12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,809.77	
		For High-Density Polyethylene (HDPE) Jacket, Add	*55.16*	

33 61 13 00-0389 Tees *(33 61 13 00-0346)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0390	EA	3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	606.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.88*	
33 61 13 00-0391	EA	1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	628.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.09*	
33 61 13 00-0392	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	723.41	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.34*	
33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	816.26	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.28*	
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	965.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,163.99	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.22*	
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,353.66	
		For High-Density Polyethylene (HDPE) Jacket, Add	*14.10*	
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,579.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*16.45*	
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,870.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.15*	
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,053.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.03*	
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,869.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*34.73*	
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	3,925.33	
		For High-Density Polyethylene (HDPE) Jacket, Add	*44.40*	
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	4,989.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*58.76*	

33 61 13 00-0403 Reducers *(33 61 13 00-0288)*

33 61 13 00-0404 Reducers *(33 61 13 00-0403)*

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	299.90	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.05*	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	312.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.15*	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	359.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.72*	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	408.74	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.15*	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	495.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.36*	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	619.23	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.58*	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	714.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.43*	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	829.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.51*	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	968.98	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.65*	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,058.75	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.96*	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,473.92	
		For High-Density Polyethylene (HDPE) Jacket, Add	*15.85*	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,037.13	
		For High-Density Polyethylene (HDPE) Jacket, Add	*20.26*	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,567.60	
		For High-Density Polyethylene (HDPE) Jacket, Add	*26.81*	

33 61 13 00-0418 Reducers *(33 61 13 00-0403)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	315.10	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.36*	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	327.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.46*	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	377.52	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.07*	
33 61 13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	428.04	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	515.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.76*	
33 61 13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	640.15	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.99*	
33 61 13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	738.43	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.92*	
33 61 13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	857.53	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.07*	
33 61 13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,005.17	
		For High-Density Polyethylene (HDPE) Jacket, Add	*10.38*	
33 61 13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,099.86	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.78*	
33 61 13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,533.35	
		For High-Density Polyethylene (HDPE) Jacket, Add	*17.04*	
33 61 13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,113.09	
		For High-Density Polyethylene (HDPE) Jacket, Add	*21.78*	
33 61 13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,668.14	
		For High-Density Polyethylene (HDPE) Jacket, Add	*28.82*	

33 61 13 00-0432 Reducers *(33 61 13 00-0403)*

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0433	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	330.29	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.66*	
33 61 13 00-0434	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	343.24	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.77*	
33 61 13 00-0435	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	395.22	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.43*	
33 61 13 00-0436	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	447.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.92*	
33 61 13 00-0437	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	535.34	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.17*	
33 61 13 00-0438	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	661.06	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.41*	
33 61 13 00-0439	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	762.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.40*	
33 61 13 00-0440	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	885.68	
		For High-Density Polyethylene (HDPE) Jacket, Add	*8.63*	
33 61 13 00-0441	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,041.37	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.10*	
33 61 13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,141.19	
		For High-Density Polyethylene (HDPE) Jacket, Add	*12.61*	
33 61 13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,592.38	
		For High-Density Polyethylene (HDPE) Jacket, Add	*18.22*	
33 61 13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,188.67	
		For High-Density Polyethylene (HDPE) Jacket, Add	*23.29*	
33 61 13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,768.94	
		For High-Density Polyethylene (HDPE) Jacket, Add	*30.83*	

33 61 13 00-0446 Reducers *(33 61 13 00-0403)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	345.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*4.96*	
33 61 13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	358.79	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.08*	
33 61 13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	412.91	
		For High-Density Polyethylene (HDPE) Jacket, Add	*5.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	466.64	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.31*	
33 61 13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	555.45	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.57*	
33 61 13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	681.97	
		For High-Density Polyethylene (HDPE) Jacket, Add	*6.83*	
33 61 13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	786.69	
		For High-Density Polyethylene (HDPE) Jacket, Add	*7.88*	
33 61 13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	913.83	
		For High-Density Polyethylene (HDPE) Jacket, Add	*9.20*	
33 61 13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,077.56	
		For High-Density Polyethylene (HDPE) Jacket, Add	*11.82*	
33 61 13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,182.30	
		For High-Density Polyethylene (HDPE) Jacket, Add	*13.43*	
33 61 13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	1,651.81	
		For High-Density Polyethylene (HDPE) Jacket, Add	*19.41*	
33 61 13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,264.63	
		For High-Density Polyethylene (HDPE) Jacket, Add	*24.81*	
33 61 13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket	2,869.48	
		For High-Density Polyethylene (HDPE) Jacket, Add	*32.84*	

33 61 13 00-0460 Preinsulated Ductile Iron Carrier Pipe *(33 61 13 00-0001)*

Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0461 Ductile Iron Carrier Pipe *(33 61 13 00-0460)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0462	LF	4" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	421.07	58.52
33 61 13 00-0463	LF	6" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	621.47	84.04
33 61 13 00-0464	LF	8" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	876.84	101.54
33 61 13 00-0465	LF	10" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,139.63	120.82
33 61 13 00-0466	LF	12" Diameter Preinsulated Ductile Iron Pipe With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,418.91	148.71

33 61 13 00-0467 Ductile Iron Carrier Pipe *(33 61 13 00-0460)*

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0468	LF	4" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	460.04	58.56
33 61 13 00-0469	LF	6" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	679.36	84.04
33 61 13 00-0470	LF	8" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	961.10	101.54
33 61 13 00-0471	LF	10" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,250.82	120.82
33 61 13 00-0472	LF	12" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,557.61	148.72
33 61 13 00-0473	LF	14" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,717.10	158.68
33 61 13 00-0474	LF	16" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	1,962.60	170.01
33 61 13 00-0475	LF	18" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,240.60	181.36
33 61 13 00-0476	LF	20" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	2,487.83	192.68
33 61 13 00-0477	LF	24" Diameter Preinsulated Ductile Iron Pipe With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,004.35	209.68

33 61 13 00-0478 Preinsulated Ductile Iron Fittings *(33 61 13 00-0001)*

33 61 13 00-0479 Elbows *(33 61 13 00-0478)*

33 61 13 00-0480 Elbows *(33 61 13 00-0479)*

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0481	EA	4" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,030.96
33 61 13 00-0482	EA	6" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,691.05
33 61 13 00-0483	EA	8" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,155.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0484	EA	10" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	10,619.08	
33 61 13 00-0485	EA	12" Diameter Preinsulated Ductile Iron Elbow With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,893.80	
33 61 13 00-0486		Elbows *(33 61 13 00-0479)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0487	EA	4" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,512.43	
33 61 13 00-0488	EA	6" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,394.14	
33 61 13 00-0489	EA	8" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,171.53	
33 61 13 00-0490	EA	10" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,918.26	
33 61 13 00-0491	EA	12" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,613.32	
33 61 13 00-0492	EA	14" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	19,118.54	
33 61 13 00-0493	EA	16" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	22,866.82	
33 61 13 00-0494	EA	18" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,622.70	
33 61 13 00-0495	EA	20" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	36,116.10	
33 61 13 00-0496	EA	24" Diameter Preinsulated Ductile Iron Elbow With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	45,705.99	
33 61 13 00-0497		Tees *(33 61 13 00-0478)*		
33 61 13 00-0498		Tees *(33 61 13 00-0497)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0499	EA	4" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,994.70	
33 61 13 00-0500	EA	6" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,461.91	
33 61 13 00-0501	EA	8" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	12,121.78	
33 61 13 00-0502	EA	10" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,791.26	
33 61 13 00-0503	EA	12" Diameter Preinsulated Ductile Iron Tee With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	20,655.84	
33 61 13 00-0504		Tees *(33 61 13 00-0497)*		
		Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0505	EA	4" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,709.68	
33 61 13 00-0506	EA	6" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,505.99	
33 61 13 00-0507	EA	8" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,631.17	
33 61 13 00-0508	EA	10" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	17,720.55	
33 61 13 00-0509	EA	12" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,209.33	
33 61 13 00-0510	EA	14" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	28,237.34	
33 61 13 00-0511	EA	16" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	33,779.15	
33 61 13 00-0512	EA	18" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	42,282.29	
33 61 13 00-0513	EA	20" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	53,363.71	
33 61 13 00-0514	EA	24" Diameter Preinsulated Ductile Iron Tee With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	67,506.26	
33 61 13 00-0515		Reducers *(33 61 13 00-0478)*		
33 61 13 00-0516		Reducers *(33 61 13 00-0515)*		
		Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0517	EA	4" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,386.09	
33 61 13 00-0518	EA	6" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	4,769.44	
33 61 13 00-0519	EA	8" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	6,829.88	
33 61 13 00-0520	EA	10" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	8,905.97	
33 61 13 00-0521	EA	12" Diameter Preinsulated Ductile Iron Reducer With 1" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	11,639.40	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0522		Reducers *(33 61 13 00-0515)* Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0523	EA	4" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	3,785.71	
33 61 13 00-0524	EA	6" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	5,353.00	
33 61 13 00-0525	EA	8" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	7,673.50	
33 61 13 00-0526	EA	10" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	9,984.28	
33 61 13 00-0527	EA	12" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	13,066.60	
33 61 13 00-0528	EA	14" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	15,881.85	
33 61 13 00-0529	EA	16" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	18,986.25	
33 61 13 00-0530	EA	18" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	23,691.57	
33 61 13 00-0531	EA	20" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	29,995.97	
33 61 13 00-0532	EA	24" Diameter Preinsulated Ductile Iron Reducer With 2" Polyurethane Foam Insulation And High-Density Polyethylene (HDPE) Jacket	37,997.47	
33 61 13 00-0533		Tempered Water Piping Pre-Insulated *(33 61 13 00-0001)*		
33 61 13 00-0534		Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0533)*		
33 61 13 00-0535	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	148.84	24.06
33 61 13 00-0536	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	193.42	27.04
33 61 13 00-0537	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	270.68	29.80
33 61 13 00-0538	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	373.34	37.26
33 61 13 00-0539	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation	478.99	45.94
33 61 13 00-0540		Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation *(33 61 13 00-0533)*		
33 61 13 00-0541	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	71.44	27.04
33 61 13 00-0542	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	86.00	27.04
33 61 13 00-0543	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	99.81	27.04
33 61 13 00-0544	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	119.35	31.97
33 61 13 00-0545	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation	144.29	40.58
33 61 13 00-0546		Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation *(33 61 13 00-0533)*		
33 61 13 00-0547	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	71.44	27.04
33 61 13 00-0548	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	86.00	27.04
33 61 13 00-0549	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	98.58	27.04
33 61 13 00-0550	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	119.35	31.97
33 61 13 00-0551	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation	144.28	40.58

33 70 Electrical Utilities *(33)*

33 71 Electrical Utility Transmission and Distribution *(33 70)*

33 71 19 Electrical Underground Ducts, Ductbanks and Manholes *(33 71)*

Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 71 19 13 Electrical Manholes and Handholes *(33 71 19)*

33 71 19 13-0001		Electrical Handholes And Pull Boxes *(33 71 19 13)*		
33 71 19 13-0002		Electrical Pull Boxes *(33 71 19 13-0001)* See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA	24" x 36" x 24", Electric Pull Boxes, Precast Concrete	2,611.23	551.28
33 71 19 13-0004	EA	24" x 36" x 36", Electric Pull Boxes, Precast Concrete	3,162.00	611.07
33 71 19 13-0005	EA	30" x 48" x 36", Electric Pull Boxes, Precast Concrete	3,691.05	664.20
33 71 19 13-0006	EA	36" x 72" x 24", Electric Pull Boxes, Precast Concrete	5,904.95	797.04
33 71 19 13-0007	EA	36" x 60" x 36", Electric Pull Boxes, Precast Concrete	6,336.03	797.04
33 71 19 13-0008	EA	48" x 48" x 36", Electric Pull Boxes, Precast Concrete	6,833.45	830.25
33 71 19 13-0009	EA	48" x 60" x 48", Electric Pull Boxes, Precast Concrete	7,875.11	929.87
33 71 19 13-0010	EA	18" x 28" x 34", Electric Pull Boxes, Precast Concrete	2,751.64	611.07
33 71 19 13-0011	EA	14" x 20" x 12", Electric Pull Boxes, Precast Concrete	1,356.62	398.52
33 71 19 13-0012	EA	18" x 28" x 12", Electric Pull Boxes, Precast Concrete	1,729.66	797.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 13-0013	EA	24" x 36" x 12", Electric Pull Boxes, Precast Concrete	2,359.89	929.87
33 71 19 13-0014	EA	24" x 3', Round Electric Pull Boxes, Precast Concrete	1,509.48	232.47
33 71 19 13-0015	EA	30" x 3', Round Electric Pull Boxes, Precast Concrete	1,592.42	249.07

33 71 19 13-0016 Electrical Pull Boxes (CALTRANS) *(33 71 19 13-0001)*

33 71 19 13-0017	EA	Body, CALTRANS 3-1/2 Precast Concrete Pull Box	142.82	
33 71 19 13-0018	EA	Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	57.42	
33 71 19 13-0019	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	88.04	
33 71 19 13-0020	EA	Bolt Down Cast Iron Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	187.24	
33 71 19 13-0021	EA	Bolt Down Steel Cover, CALTRANS 3-1/2 Precast Concrete Pull Box	290.09	
		For Galvanized Steel Cover, Add	*49.79*	
33 71 19 13-0022	EA	12" Extension, CALTRANS 3-1/2 Precast Concrete Pull Box	72.22	
33 71 19 13-0023	EA	Flat Plate Base, CALTRANS 3-1/2 Precast Concrete Pull Box	72.22	
33 71 19 13-0024	EA	Body, CALTRANS 5 Precast Concrete Pull Box	204.21	
33 71 19 13-0025	EA	Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	76.89	
33 71 19 13-0026	EA	Bolt Down Concrete Cover, CALTRANS 5 Precast Concrete Pull Box	107.51	
33 71 19 13-0027	EA	Bolt Down Steel Cover, CALTRANS 5 Precast Concrete Pull Box	385.02	
		For Galvanized Steel Cover, Add	*91.29*	
33 71 19 13-0028	EA	12" Extension, CALTRANS 5 Precast Concrete Pull Box	102.65	
33 71 19 13-0029	EA	Flat Plate Base, CALTRANS 5 Precast Concrete Pull Box	95.95	
33 71 19 13-0030	EA	Body, CALTRANS 6 Precast Concrete Pull Box	223.68	
33 71 19 13-0031	EA	Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	103.06	
33 71 19 13-0032	EA	Bolt Down Concrete Cover, CALTRANS 6 Precast Concrete Pull Box	133.68	
33 71 19 13-0033	EA	Bolt Down Steel Cover, CALTRANS 6 Precast Concrete Pull Box	528.65	
		For Galvanized Steel Cover, Add	*127.80*	
33 71 19 13-0034	EA	12" Extension, CALTRANS 6 Precast Concrete Pull Box	122.12	
33 71 19 13-0035	EA	Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	114.82	
33 71 19 13-0036	EA	6" Return Flat Plate Base, CALTRANS 6 Precast Concrete Pull Box	158.64	
33 71 19 13-0037	EA	Body, CALTRANS 3-1/2-T Precast Concrete Pull Box	321.13	
33 71 19 13-0038	EA	Bolt Down Concrete Cover, CALTRANS 3-1/2-T Precast Concrete Pull Box	462.92	
33 71 19 13-0039	EA	12" Extension, CALTRANS 3-1/2-T Precast Concrete Pull Box	146.46	
33 71 19 13-0040	EA	Flat Plate Base, CALTRANS 3-1/2-T Precast Concrete Pull Box	134.29	
33 71 19 13-0041	EA	Body, CALTRANS 5-T Precast Concrete Pull Box	418.42	
33 71 19 13-0042	EA	Bolt Down Concrete Cover, CALTRANS 5-T Precast Concrete Pull Box	669.84	
33 71 19 13-0043	EA	12" Extension, CALTRANS 5-T Precast Concrete Pull Box	175.68	
33 71 19 13-0044	EA	Flat Plate Base, CALTRANS 5-T Precast Concrete Pull Box	170.81	
33 71 19 13-0045	EA	Body, CALTRANS 6-T Precast Concrete Pull Box	596.13	
33 71 19 13-0046	EA	Bolt Down Concrete Cover, CALTRANS 6-T Precast Concrete Pull Box	937.61	
33 71 19 13-0047	EA	12" Extension, CALTRANS 6-T Precast Concrete Pull Box	297.39	
33 71 19 13-0048	EA	Flat Plate Base, CALTRANS 6-T Precast Concrete Pull Box	231.66	
33 71 19 13-0049	EA	24" x 36" Handhole (SDG&E 3313K/T)	238.06	
33 71 19 13-0050	EA	24" x 36" Traffic Cover (SDG&E 3313CSTG)	1,925.45	

33 71 19 13-0051 Precast Concrete Box Extensions *(33 71 19 13-0001)*

33 71 19 13-0052	EA	14" x 20" x 12", Precast Concrete Extension	238.04	43.55
33 71 19 13-0053	EA	18" x 28" x 12", Precast Concrete Extension	299.00	55.16
33 71 19 13-0054	EA	24" x 36" x 12", Precast Concrete Extension	389.95	75.48
33 71 19 13-0055	EA	30" x 48" x 12", Precast Concrete Extension	480.73	104.51
33 71 19 13-0056	EA	36" x 60" x 12", Precast Concrete Extension	771.19	127.74
33 71 19 13-0057	EA	36" x 72" x 12", Precast Concrete Extension	1,032.44	145.16
33 71 19 13-0058	EA	48" x 48" x 12", Precast Concrete Extension	1,172.74	133.54
33 71 19 13-0059	EA	48" x 60" x 12", Precast Concrete Extension	1,438.84	156.77

33 71 19 13-0060 Electrical Property Line Boxes *(33 71 19 13)*

33 71 19 13-0061	EA	3'-6" x 2'-9" x 2' Deep Property Line Box	5,631.54	448.33
33 71 19 13-0062	EA	4'-6" x 3'-6" x 4' Deep Property Line Box	6,631.76	464.94
33 71 19 13-0063	EA	6' x 4' x 5' Deep Property Line Box	7,264.52	564.56
33 71 19 13-0064	EA	11'-6" x 4'-6" x 6' Deep Property Line Box	11,130.31	830.25

33 71 19 13-0065 Manhole Accessories *(33 71 19 13)*

33 71 19 13-0066	EA	6" Precast Grade Ring Riser Casting	466.86	122.45
33 71 19 13-0067	EA	12" Precast Grade Ring Riser Casting	505.57	132.66
33 71 19 13-0068	EA	36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D)	2,038.06	204.10
33 71 19 13-0069	EA	42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1)	2,662.03	255.12
33 71 19 13-0070	EA	Cast Iron Adjusting Ring (NEENAH #R-1979)	849.35	136.23
33 71 19 13-0071	EA	Cast Iron Frame And Cover (NEENAH #R-1640-B)	1,084.46	153.07

33 71 19 23 Trenched Electrical Underground Duct and Ductbanks *(33 71 19)*

33 71 19 23-0001 Underground Ductbank *(33 71 19 23)*

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 71 19 23-0002		**Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank** *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0003	LF	2 At 2", Rigid Galvanized Conduit Duct Bank	33.36	
33 71 19 23-0004	LF	4 At 2", Rigid Galvanized Conduit Duct Bank	66.74	
33 71 19 23-0005	LF	2 At 3", Rigid Galvanized Conduit Duct Bank	69.26	
33 71 19 23-0006	LF	4 At 3", Rigid Galvanized Conduit Duct Bank	138.94	
33 71 19 23-0007	LF	2 At 4", Rigid Galvanized Conduit Duct Bank	102.07	
33 71 19 23-0008	LF	4 At 4", Rigid Galvanized Conduit Duct Bank	205.09	
33 71 19 23-0009	LF	6 At 4", Rigid Galvanized Conduit Duct Bank	307.91	
33 71 19 23-0010	LF	2 At 5", Rigid Galvanized Conduit Duct Bank	194.77	
33 71 19 23-0011	LF	4 At 5", Rigid Galvanized Conduit Duct Bank	388.59	
33 71 19 23-0012	LF	6 At 5", Rigid Galvanized Conduit Duct Bank	596.52	
33 71 19 23-0013	LF	2 At 6", Rigid Galvanized Conduit Duct Bank	276.46	
33 71 19 23-0014	LF	4 At 6", Rigid Galvanized Conduit Duct Bank	554.99	
33 71 19 23-0015	LF	6 At 6", Rigid Galvanized Conduit Duct Bank	826.86	
33 71 19 23-0016		**Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System** *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0017	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	6.85	
33 71 19 23-0018	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.00	
33 71 19 23-0019	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	28.84	
33 71 19 23-0020	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	9.09	
33 71 19 23-0021	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	18.15	
33 71 19 23-0022	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	36.84	
33 71 19 23-0023	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	12.24	
33 71 19 23-0024	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	24.51	
33 71 19 23-0025	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	49.07	
33 71 19 23-0026	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	73.58	
33 71 19 23-0027	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	15.62	
33 71 19 23-0028	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	31.22	
33 71 19 23-0029	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	60.54	
33 71 19 23-0030	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	86.15	
33 71 19 23-0031	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	27.39	
33 71 19 23-0032	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	42.43	
33 71 19 23-0033	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	85.05	
33 71 19 23-0034	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank	136.89	
33 71 19 23-0035		**Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System** *(33 71 19 23-0001)*		
		Note: Includes appropriate spacers and fittings.		
33 71 19 23-0036	LF	1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	7.62	
33 71 19 23-0037	LF	2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.58	
33 71 19 23-0038	LF	4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	31.82	
33 71 19 23-0039	LF	1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	9.47	
33 71 19 23-0040	LF	2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	18.92	
33 71 19 23-0041	LF	4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	37.71	
33 71 19 23-0042	LF	1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	12.59	
33 71 19 23-0043	LF	2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	25.20	
33 71 19 23-0044	LF	4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	50.47	
33 71 19 23-0045	LF	6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	75.67	
33 71 19 23-0046	LF	1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	16.15	
33 71 19 23-0047	LF	2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	32.27	
33 71 19 23-0048	LF	4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	62.65	
33 71 19 23-0049	LF	6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	89.31	
33 71 19 23-0050	LF	1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	28.12	
33 71 19 23-0051	LF	2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	43.94	
33 71 19 23-0052	LF	4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	88.07	
33 71 19 23-0053	LF	6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank	141.43	
33 71 19 23-0054		**Male Or Female Adapters** *(33 71 19 23-0001)*		
33 71 19 23-0055	EA	2" Adapter	36.11	
33 71 19 23-0056	EA	3" Adapter	53.34	
33 71 19 23-0057	EA	4" Adapter	69.39	
33 71 19 23-0058	EA	5" Adapter	110.19	
33 71 19 23-0059	EA	6" Adapter	135.37	
33 71 19 23-0060		**Underground Cable Protection Slab And Marking** *(33 71 19 23)*		
33 71 19 23-0061	EA	24" x 12", 2" Concrete, Underground Cable Protection	4.98	
33 71 19 23-0062		**Underground Electrical Concrete Markers** *(33 71 19 23)*		
33 71 19 23-0063	EA	36" x 6" x 6", Underground Electric Concrete Marker	311.21	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

END OF SECTION 33

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

34 Transportation

34 01 Operation and Maintenance of Transportation *(34)*

34 01 23 Operation and Maintenance of Railways *(34 01)*

34 01 23 33 Track Realignment *(34 01 23)*

34 01 23 33-0001 Realign Railroad Track *(34 01 23 33)*

34 01 23 33-0002	LF	Removal Of Track Rails and Ties And Re-Install Including New Bolts And Spikes	105.33	
34 01 23 33-0003	EA	Removal Of Railroad Track Turnouts And Re-install Including New Bolts And Spikes	5,152.69	

34 01 43 Operation and Maintenance of Bridges *(34 01)*

34 01 43 00-0001 Repair Of Bridge Posts *(34 01 43)*

34 01 43 00-0002	SF	Chipping Of Concrete To Expose Rebar	37.76	
34 01 43 00-0003	EA	Removal And Replacement Of Concrete Post, 20" x 20" Square, 36" To 42" High Note: Includes removal of damaged post, drilling, epoxy injection, rebar, forms and concrete.	2,237.36	
34 01 43 00-0004	EA	Repair Bearing Pad	794.48	

34 01 43 00-0005 Repair Of Bridge Rails *(34 01 43)*

34 01 43 00-0006	EA	Repair Concrete Rail Supports	400.80	
34 01 43 00-0007	LF	Repair Guardrail	150.30	
34 01 43 00-0008	LF	Repair Bridge Parapet Wall	250.50	
34 01 43 00-0009	LF	Repair Bridge Rail	97.35	
34 01 43 00-0010	LF	Repair Damaged Metal Rail And Posts	51.54	
34 01 43 00-0011	LF	Removal And Replacement Of 1-1/2" Galvanized Metal Rail	61.23	
34 01 43 00-0012	LF	Removal And Replacement Of 2-1/2" Galvanized Metal Rail	83.62	
34 01 43 00-0013	LF	Removal And Replacement Of 3" Galvanized Metal Rail	95.73	

34 01 43 00-0014 Repair Of Bridge *(34 01 43)*

34 01 43 00-0015	LF	Repair Of Expansion Joints On Bridge	23.27	

34 05 Common Work Results for Transportation *(34)*

34 05 43 Common Work Results for Bridges *(34 05)*

34 05 43 00-0001 Mobilize Bridge Crew *(34 05 43)*
Note: Excludes mobilize jacking crew.

34 05 43 00-0002	EA	Mobilize Bridge Crew	1,397.47	

34 05 43 00-0003 Remove And Patch Bridge And Structures Concrete *(34 05 43)*
Note: This section is used for repairing areas of concrete decks, floors, verticals and overheads and approximately 1" to 6" deep in connection with bridge and structure repairs. Includes chipping, sandblasting, cleaning, primer, formwork, cement/concrete as listed, finish and debris removal. Excludes scaffolding, saw cutting, disposal and/or concrete pump truck.

34 05 43 00-0004 Remove And Patch Decks Or Floors *(34 05 43 00-0003)*
Note: For patching decks and floors, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0005	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Portland Cement Based Repair Material	2,473.54	
34 05 43 00-0006	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Portland Cement Based Repair Material	104.99	
34 05 43 00-0007	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	2,553.51	
34 05 43 00-0008	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Concrete Repair Material	109.99	
34 05 43 00-0009	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,535.82	
34 05 43 00-0010	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	108.89	
34 05 43 00-0011	EA	Remove And Patch Up To 16 SF Of Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	3,891.35	
		For Owner Furnished Material, Deduct	*-1,661.42*	
34 05 43 00-0012	SF	Remove And Patch >16 SF Decks Or Floors, Up To 6" SSI Flex Patch (Other Than Specified)	193.61	
		For Owner Furnished Material, Deduct	*-103.84*	

34 05 43 00-0013 Remove And Patch Verticals Or Overheads *(34 05 43 00-0003)*
Note: For patching verticals and overhead, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0014	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	2,914.41	
34 05 43 00-0015	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Portland Cement Based Repair Material	127.04	
34 05 43 00-0016	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	2,994.38	
34 05 43 00-0017	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Concrete Repair Material	132.04	
34 05 43 00-0018	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	2,976.69	
34 05 43 00-0019	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	130.94	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0020	EA	Remove And Patch Up To 16 SF Of Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	4,332.22	
		For Owner Furnished Material, Deduct	*-1,661.42*	
34 05 43 00-0021	SF	Remove And Patch >16 SF Verticals Or Overheads, Up To 6" SSI Flex Patch (Other Than Specified)	215.66	
		For Owner Furnished Material, Deduct	*-103.84*	

34 05 43 00-0022 Remove And Patch Pier Caps And Pedestals *(34 05 43 00-0003)*

Note: For patching pier caps and pedestals, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0023	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	3,355.27	
34 05 43 00-0024	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Portland Cement Based Repair Material	143.57	
34 05 43 00-0025	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	3,435.24	
34 05 43 00-0026	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Concrete Repair Material	148.57	
34 05 43 00-0027	EA	Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	3,417.55	
34 05 43 00-0028	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	147.47	
34 05 43 00-0029	EA	Remove And Patch Up To 16 SF Of Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	4,773.08	
		For Owner Furnished Material, Deduct	*-1,661.42*	
34 05 43 00-0030	SF	Remove And Patch >16 SF Pier Caps And Pedestals, Up To 6" SSI Flex Patch (Other Than Specified)	232.19	
		For Owner Furnished Material, Deduct	*-103.84*	

34 05 43 00-0031 Remove And Patch Circular Piers *(34 05 43 00-0003)*

Note: For patching circular piers, there are tasks with a unit of measure of EA for a quantity of less than 16 SF, followed by a SF task for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task (less the initial 16 SF) to arrive at the total quantity for the project.

34 05 43 00-0032	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	4,016.58	
34 05 43 00-0033	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Portland Cement Based Repair Material	160.11	
34 05 43 00-0034	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	4,096.55	
34 05 43 00-0035	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" Rapid Set Concrete Repair Material	165.11	
34 05 43 00-0036	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	4,078.86	
34 05 43 00-0037	SF	Remove And Patch >16 SF Circular Pier, Up To 6" Rapid Set Polymer Concrete Methyl Methacrylate	182.05	
34 05 43 00-0038	EA	Remove And Patch Up To 16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	5,434.39	
		For Owner Furnished Material, Deduct	*-1,661.42*	
34 05 43 00-0039	SF	Remove And Patch >16 SF Of Circular Pier, Up To 6" SSI Flex Patch (Other Than Specified)	248.73	
		For Owner Furnished Material, Deduct	*-103.84*	

34 05 43 00-0040 Fiber Reinforced Shotcrete Repair For Bridges *(34 05 43)*

34 05 43 00-0041	EA	Mobilize Fiber Reinforced Shotcrete Repair Crew	894.97	
34 05 43 00-0042	SF	Up to 2" Thick, Fiber Reinforced Shotcrete Repair	55.39	
		For Up To 25, Add	*26.86*	
		For >25 To 50, Add	*13.43*	
		For >50 To 150, Add	*5.37*	
34 05 43 00-0043	SF	>2" To 4" Thick, Fiber Reinforced Shotcrete Repair	66.01	
		For Up To 25, Add	*31.33*	
		For >25 To 50, Add	*15.67*	
		For >50 To 150, Add	*6.27*	
34 05 43 00-0044	SF	>4" To 6" Thick, Fiber Reinforced Shotcrete Repair	76.64	
		For Up To 25, Add	*35.81*	
		For >25 To 50, Add	*17.90*	
		For >50 To 150, Add	*7.16*	

34 05 43 00-0045 Bridge Railing *(34 05 43)*

34 05 43 00-0046 Remove And Store Bridge Railings *(34 05 43 00-0045)*

See CSI section 34 82 23 00-0007 for posts.

34 05 43 00-0047	LF	Removal And Storage Of One Rail Bridge Railing	7.85	
34 05 43 00-0048	LF	Removal And Storage Of Two Rail Bridge Railing	15.70	
34 05 43 00-0049	LF	Removal And Storage Of Three Rail Bridge Railing	23.55	
34 05 43 00-0050	LF	Removal And Storage Of Four Rail Bridge Railing	31.40	

34 05 43 00-0051 Install Stored Or Supplied Bridge Railings *(34 05 43 00-0045)*

See CSI section 34 82 23 00-0007 for posts.

34 05 43 00-0052	LF	Install Stored Or Supplied One Rail Bridge Railing	66.14	
34 05 43 00-0053	LF	Install Stored Or Supplied Two Rail Bridge Railing	132.29	
34 05 43 00-0054	LF	Install Stored Or Supplied Three Rail Bridge Railing	198.43	
34 05 43 00-0055	LF	Install Stored Or Supplied Four Rail Bridge Railing	264.58	

34 05 43 00-0056 Bridge Bearings *(34 05 43)*

Note: Excludes drilling and anchor bolts.

34 05 43 00-0057 Elastomeric Bearings *(34 05 43 00-0056)*

34 05 43 00-0058	EA	Plain Elastomeric, Type EP Bearing, 716-10, All Loads	1,236.82	335.39
34 05 43 00-0059	EA	Steel Laminated Elastomeric, Type EL Bearing, 716-11, Up To 100K	1,855.57	670.79
		For >100K To 250K Load, Add	*93.32*	
		For >250K To 500K Load, Add	*186.65*	
		For >500K To 750K Load, Add	*279.97*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0060	EA	Elastomeric with External Load Plates, Type EB Bearing, 716-12, Up To 100K	4,214.35	1,006.18
		For >100K To 250K Load, Add	*283.09*	
		For >250K To 500K Load, Add	*566.17*	
		For >500K To 750K Load, Add	*849.26*	

34 05 43 00-0061 Fixed Structural Pot Bearings *(34 05 43 00-0056)*

34 05 43 00-0062	EA	100K To 250K Fixed Structural Pot Bearing	3,696.43
34 05 43 00-0063	EA	>250K To 500K Fixed Structural Pot Bearing	5,650.81
34 05 43 00-0064	EA	>500K To 750K Fixed Structural Pot Bearing	7,605.16

34 05 43 00-0065 Universal Structural Expansion Pot Bearings *(34 05 43 00-0056)*

34 05 43 00-0066	EA	100K To 250K Universal Structural Pot Bearing	4,588.78
34 05 43 00-0067	EA	>250K To 500K Universal Structural Pot Bearing	7,021.50
34 05 43 00-0068	EA	>500K To 750K Universal Structural Pot Bearing	9,458.38

34 05 43 00-0069 Guided Structural Expansion Pot Bearings *(34 05 43 00-0056)*

34 05 43 00-0070	EA	100K To 250K Guided Structural Pot Bearing	4,752.10
34 05 43 00-0071	EA	>250K To 500K Guided Structural Pot Bearing	7,266.42
34 05 43 00-0072	EA	>500K To 750K Guided Structural Pot Bearing	9,784.94

34 05 43 00-0073 Remove, Repair And Install Bridge Bearings *(34 05 43 00-0056)*

34 05 43 00-0074 Remove Structural Bearings *(34 05 43 00-0073)*

34 05 43 00-0075	EA	100K To 250K Structural Bearing Removal	482.13
34 05 43 00-0076	EA	>250K To 500K Structural Bearing Removal	964.25
34 05 43 00-0077	EA	>500K To 750K Structural Bearing Removal	1,446.38

34 05 43 00-0078 Install And Set Supplied Or Restored Structural Bearings *(34 05 43 00-0073)*

34 05 43 00-0079	EA	100K To 250K Structural Bearing - Install And Set Supplied Or Restored Bearing	723.19
34 05 43 00-0080	EA	>250K To 500K Structural Bearing - Install And Set Supplied Or Restored Bearing	1,446.38
34 05 43 00-0081	EA	>500K To 750K Structural Bearing - Install And Set Supplied Or Restored Bearing	2,169.57

34 05 43 00-0082 Power Wash And Paint Structural Bearings *(34 05 43 00-0073)*

Note: Includes bearing plates.

34 05 43 00-0083	EA	100K To 250K Structural Bearing - Power Wash And Paint	1,128.18
34 05 43 00-0084	EA	>250K To 500K Structural Bearing - Power Wash And Paint	1,274.51
34 05 43 00-0085	EA	>500K To 750K Structural Bearing - Power Wash And Paint	1,420.82

34 05 43 00-0086 Power Wash, Mechanically Clean And Paint Structural Bearings *(34 05 43 00-0073)*

Note: Includes bearing plates. Excludes paint removal.

34 05 43 00-0087	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,500.87
		For Vacuum Contained Cleaning, Add	*372.67*
34 05 43 00-0088	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,693.74
		For Vacuum Contained Cleaning, Add	*419.24*
34 05 43 00-0089	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint	1,886.17
		For Vacuum Contained Cleaning, Add	*465.71*

34 05 43 00-0090 Power Wash And Paint Only Bearing Plates *(34 05 43 00-0073)*

34 05 43 00-0091	EA	100K To 250K Structural Bearing - Power Wash And Paint Only Bearing Plates	703.84
34 05 43 00-0092	EA	>250K To 500K Structural Bearing - Power Wash And Paint Only Bearing Plates	846.87
34 05 43 00-0093	EA	>500K To 750K Structural Bearing - Power Wash And Paint Only Bearing Plates	989.91

34 05 43 00-0094 Power Wash, Mechanically Clean And Paint Only Bearing Plates *(34 05 43 00-0073)*

34 05 43 00-0095	EA	100K To 250K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	938.62
		For Vacuum Contained Cleaning, Add	*232.93*
34 05 43 00-0096	EA	>250K To 500K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,126.37
		For Vacuum Contained Cleaning, Add	*279.50*
34 05 43 00-0097	EA	>500K To 750K Structural Bearing - Power Wash, Mechanically Clean And Paint Only Bearing Plates	1,313.70
		For Vacuum Contained Cleaning, Add	*325.96*

34 05 43 00-0098 Sand Blast And Paint Structural Bearings *(34 05 43 00-0073)*

Note: Includes bearing plates.

34 05 43 00-0099	EA	100K To 250K Structural Bearing - Sand Blast And Paint	1,798.96
		For Vacuum Contained Cleaning, Add	*447.19*
34 05 43 00-0100	EA	>250K To 500K Structural Bearing - Sand Blast And Paint	2,029.14
		For Vacuum Contained Cleaning, Add	*503.09*
34 05 43 00-0101	EA	>500K To 750K Structural Bearing - Sand Blast And Paint	2,259.30
		For Vacuum Contained Cleaning, Add	*558.99*

34 05 43 00-0102 Sand Blast And Paint Only Bearing Plates *(34 05 43 00-0073)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0103	EA	100K To 250K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,124.90	
		For Vacuum Contained Cleaning, Add	*279.50*	
34 05 43 00-0104	EA	>250K To 500K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,349.96	
		For Vacuum Contained Cleaning, Add	*335.39*	
34 05 43 00-0105	EA	>500K To 750K Structural Bearing - Sand Blast And Paint Only Bearing Plates	1,575.03	
		For Vacuum Contained Cleaning, Add	*391.29*	
34 05 43 00-0106		**Grease Structural Bearings** *(34 05 43 00-0073)*		
34 05 43 00-0107	EA	100K To 250K Structural Bearing - Grease	69.87	
34 05 43 00-0108	EA	>250K To 500K Structural Bearing - Grease	104.81	
34 05 43 00-0109	EA	>500K To 750K Structural Bearing - Grease	139.75	
34 05 43 00-0110		**Replace Bronze Plate Wearing Pad** *(34 05 43 00-0073)*		
34 05 43 00-0111	SF	Removal And Replacement Of Bronze Plate Wearing Pad	476.98	
34 05 43 00-0112		**Bridge Bearing Rivet Removal** *(34 05 43 00-0073)*		
		See CSI section 02 41 19 13-0080 for reaming of hole, 34 05 43 00-0343 for anchors and grouting.		
34 05 43 00-0113	EA	Bridge Bearing Rivet Removal	279.49	
34 05 43 00-0114		**Bridge Pintels, Side Keeper, And Shim Plates** *(34 05 43)*		
34 05 43 00-0115	EA	Removal And Replacement Of Bridge Pintel	284.45	
34 05 43 00-0116	EA	Removal And Replacement Of Bridge Side Keeper	290.65	
34 05 43 00-0117	EA	Refabricate And Install Shim Plates At One Bearing	174.05	
34 05 43 00-0118	EA	Refabricate And Install Beveled Shim Plates At One Bearing	174.05	
34 05 43 00-0119	EA	Refabricate And Install Finger Shim Plates At One Bearing	174.05	
34 05 43 00-0120		**Vertical Jacking And Lifting For Bridges** *(34 05 43)*		
		Note: For vertical jacking of structural members. Includes jacks, hydraulics, and synchronizing equipment where appropriate. Excludes engineering and design. See CSI section 03 01 30 71-0000 for concrete repair, 05 12 23 00-0000 for temporary steel members.		
34 05 43 00-0121		**Mobilize Jacking Crew And Equipment** *(34 05 43 00-0120)*		
		Note: Includes removing equipment after completion.		
34 05 43 00-0122	EA	Mobilize Bridge Jacking Crew and Equipment	2,515.45	
		For Temporary Support Mobilization, Add	*5,030.90*	
34 05 43 00-0123		**Vertical Jacking And Lifting Per Point of Contact** *(34 05 43 00-0120)*		
		Note: Includes positioning jack, shims, lifting, and lowering. Excludes temporary steel, temporary lumber, and concrete repairs.		
34 05 43 00-0124	EA	Up To 10 Ton Jack, Per Point Of Contact	419.24	
		For Synchronized Lift, Add	*83.85*	
		For Jacking From Temporary Support, Add	*167.70*	
34 05 43 00-0125	EA	>10 To 20 Ton Jack, Per Point Of Contact	489.12	
		For Synchronized Lift, Add	*97.82*	
		For Jacking From Temporary Support, Add	*195.65*	
34 05 43 00-0126	EA	>20 To 40 Ton Jack, Per Point Of Contact	558.99	
		For Synchronized Lift, Add	*111.80*	
		For Jacking From Temporary Support, Add	*223.60*	
34 05 43 00-0127	EA	>40 To 60 Ton Jack, Per Point Of Contact	628.86	
		For Synchronized Lift, Add	*125.77*	
		For Jacking From Temporary Support, Add	*251.54*	
34 05 43 00-0128	EA	>60 To 80 Ton Jack, Per Point Of Contact	698.74	
		For Synchronized Lift, Add	*139.75*	
		For Jacking From Temporary Support, Add	*279.50*	
34 05 43 00-0129	EA	>80 To 100 Ton Jack, Per Point Of Contact	768.61	
		For Synchronized Lift, Add	*153.72*	
		For Jacking From Temporary Support, Add	*307.44*	
34 05 43 00-0130	EA	>100 To 120 Ton Jack, Per Point Of Contact	838.48	
		For Synchronized Lift, Add	*167.70*	
		For Jacking From Temporary Support, Add	*335.39*	
34 05 43 00-0131	EA	>120 To 140 Ton Jack, Per Point Of Contact	873.42	
		For Synchronized Lift, Add	*174.68*	
		For Jacking From Temporary Support, Add	*349.37*	
34 05 43 00-0132	EA	>140 To 160 Ton Jack, Per Point Of Contact	908.36	
		For Synchronized Lift, Add	*181.67*	
		For Jacking From Temporary Support, Add	*363.34*	
34 05 43 00-0133	EA	>160 To 250 Ton Jack, Per Point Of Contact	908.36	
		For Synchronized Lift, Add	*181.67*	
		For Jacking From Temporary Support, Add	*363.34*	
34 05 43 00-0134	EA	>250 To 300 Ton Jack, Per Point Of Contact	978.23	
		For Synchronized Lift, Add	*195.65*	
		For Jacking From Temporary Support, Add	*391.29*	
34 05 43 00-0135	EA	>300 To 400 Ton Jack, Per Point Of Contact	1,048.10	
		For Synchronized Lift, Add	*209.62*	
		For Jacking From Temporary Support, Add	*419.24*	
34 05 43 00-0136	EA	>400 To 500 Ton Jack, Per Point Of Contact	1,117.98	
		For Synchronized Lift, Add	*223.60*	
		For Jacking From Temporary Support, Add	*447.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0137	EA	>500 To 600 Ton Jack, Per Point Of Contact	1,187.85	
		For Synchronized Lift, Add	*237.57*	
		For Jacking From Temporary Support, Add	*475.14*	

34 05 43 00-0138 Daily Charge For Vertical Jacking Equipment *(34 05 43 00-0120)*

Note: Includes hydraulics and synchronizing equipment.

34 05 43 00-0139	DAY	Up To 10 Ton Jacking Equipment Charge By The Day	21.76
34 05 43 00-0140	DAY	>10 To 20 Ton Jacking Equipment Charge By The Day	43.51
34 05 43 00-0141	DAY	>20 To 40 Ton Jacking Equipment Charge By The Day	87.03
34 05 43 00-0142	DAY	>40 To 60 Ton Jacking Equipment Charge By The Day	130.54
34 05 43 00-0143	DAY	>60 To 80 Ton Jacking Equipment Charge By The Day	174.05
34 05 43 00-0144	DAY	>80 To 100 Ton Jacking Equipment Charge By The Day	217.56
34 05 43 00-0145	DAY	>100 To 120 Ton Jacking Equipment Charge By The Day	261.08
34 05 43 00-0146	DAY	>120 To 140 Ton Jacking Equipment Charge By The Day	304.59
34 05 43 00-0147	DAY	>140 To 160 Ton Jacking Equipment Charge By The Day	348.10
34 05 43 00-0148	DAY	>160 To 250 Ton Jacking Equipment Charge By The Day	397.22
34 05 43 00-0149	DAY	>250 To 300 Ton Jacking Equipment Charge By The Day	452.83
34 05 43 00-0150	DAY	>300 To 400 Ton Jacking Equipment Charge By The Day	573.58
34 05 43 00-0151	DAY	>400 To 500 Ton Jacking Equipment Charge By The Day	681.12
34 05 43 00-0152	DAY	>500 To 600 Ton Jacking Equipment Charge By The Day	776.50

34 05 43 00-0153 Temporary Shoring *(34 05 43 00-0120)*

Note: Setup includes material use cost and initial erection. Setup is also used for relocation to the opposite abutment. Relocation includes moving and setup at a new jacking location. Takedown includes disassembly and removal from the site. Excludes earthwork and temporary stone.

34 05 43 00-0154 HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0155	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,999.08
34 05 43 00-0156	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,132.21
34 05 43 00-0157	EA	HP8x36 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	450.13

34 05 43 00-0158 HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0159	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	3,110.24
34 05 43 00-0160	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	2,011.22
34 05 43 00-0161	EA	HP12x53 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	431.80

34 05 43 00-0162 HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0163	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,024.84
34 05 43 00-0164	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	904.98
34 05 43 00-0165	EA	HP12x53 Column Attached To Existing Footing, Temporary Wood Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	274.89

34 05 43 00-0166 HP14x117 Column Attached to Existing Footing, Permanent Steel Stiffeners, Braced by Angles Attached to Abutment Face, Temporary Shoring *(34 05 43 00-0153)*

34 05 43 00-0167	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	5,612.90
34 05 43 00-0168	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation	3,241.61
34 05 43 00-0169	EA	HP14x117 Column Attached To Existing Footing, Permanent Steel Stiffener, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal	739.90

34 05 43 00-0170 Mat Supported HP12x63 Column, Braced by Channel and Angles, Attached to Existing 4" Diameter Concrete Column, Temporary Shoring *(34 05 43 00-0153)*

Note: Excludes mats. See CSI section 01 22 23 00-0569 for mats.

34 05 43 00-0171	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Setup Note: Excludes mats.	5,926.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0172	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Relocation Note: Excludes mats.	2,239.16	
34 05 43 00-0173	EA	Mat Supported HP12x63 Column, Braced By Channel And Angles Attached To Existing 4' Diameter Concrete Column, Temporary Shoring Take Down And Removal Note: Excludes mats.	1,129.33	
34 05 43 00-0174		**Mat Supported HP12x53 Column, Braced by Channel and Angles, Attached to Abutment Face, Temporary Shoring** *(34 05 43 00-0153)* Note: Excludes mats. See CSI section 01 22 23 00-0569 for mats.		
34 05 43 00-0175	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Setup	2,484.56	
34 05 43 00-0176	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Relocation Note: Excludes mats.	687.14	
34 05 43 00-0177	EA	Mat Supported HP12x53 Column, Braced By Angles Attached To Abutment Face, Temporary Shoring Take Down And Removal Note: Excludes mats.	387.14	
34 05 43 00-0178		**MC18x51.9 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0179	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Setup	2,990.59	
34 05 43 00-0180	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Relocation	2,755.29	
34 05 43 00-0181	EA	MC18x51.9 Attached To Abutment Face, Temporary Shoring Take Down And Removal	377.97	
34 05 43 00-0182		**MC15x74 Attached to Abutment Face, Temporary Wood Stiffeners, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0183	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Setup	2,139.44	
34 05 43 00-0184	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Relocation	1,947.90	
34 05 43 00-0185	EA	MC15x74 Attached To Abutment Face, Temporary Shoring Take Down And Removal	311.54	
34 05 43 00-0186		**Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge Column, Temporary Shoring** *(34 05 43 00-0153)*		
34 05 43 00-0187	EA	Plates And Angles Connecting Existing Diaphragm To Existing Bearing Stiffener At Pedestrian Bridge, Temporary Shoring Setup Note: Left in place.	1,434.68	
34 05 43 00-0188		**Temporary Bridge Shoring Components** *(34 05 43 00-0153)* Note: For temporary shoring of columns and abutments associated with vertical jacking of structural members. Includes lifting equipment where appropriate. Excludes engineering and design. See CSI section 01 54 23 00-0041 for temporary lumber.		
34 05 43 00-0189		**Fabricate, Install And Remove After Use Temporary Steel Bridge Shoring** *(34 05 43 00-0188)* Note: Includes cutting, drilling and welds. Excludes gravel, mats, anchors, and bolts.		
34 05 43 00-0190	LF	Fabricate And Install MC7 x 19.1 For Temporary Bridge Shoring Note: Remove after use.	89.75	
34 05 43 00-0191	LF	Fabricate And Install MC18 x 51.9 For Temporary Bridge Shoring Note: Remove after use.	221.99	
34 05 43 00-0192	LF	Fabricate And Install HP12 x 53 For Temporary Bridge Shoring Note: Remove after use.	172.15	
34 05 43 00-0193	LF	Fabricate And Install HP12 x 63 For Temporary Bridge Shoring Note: Remove after use.	192.19	
34 05 43 00-0194	LF	Fabricate And Install 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	25.72	
		For Galvanized Steel, Add	*6.16*	
34 05 43 00-0195	LF	Fabricate And Install 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	32.70	
		For Galvanized Steel, Add	*8.38*	
34 05 43 00-0196	LF	Fabricate And Install 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	65.94	
		For Galvanized Steel, Add	*18.95*	
34 05 43 00-0197	LF	Fabricate And Install 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	57.15	
		For Galvanized Steel, Add	*16.98*	
34 05 43 00-0198	LF	Fabricate And Install 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	75.62	
		For Galvanized Steel, Add	*22.46*	
34 05 43 00-0199	SF	Fabricate And Install 5/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	99.24	
		For A50 Grade Steel, Add	*2.80*	
34 05 43 00-0200	SF	Fabricate And Install 7/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	138.92	
		For A50 Grade Steel, Add	*3.92*	
34 05 43 00-0201	SF	Fabricate And Install 1-3/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	218.31	
		For A50 Grade Steel, Add	*6.16*	
34 05 43 00-0202	SF	Fabricate And Install 1-1/2" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	238.16	
		For A50 Grade Steel, Add	*6.72*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0203		**Relocate Temporary Steel Bridge Shoring** *(34 05 43 00-0188)* Note: Includes removal after use.		
34 05 43 00-0204	EA	Relocate Complete Temporary Steel Bridge Shoring Note: Remove after use. Includes relocating support matts. Excludes anchors, bolts or additional steel if required.	4,914.99	
34 05 43 00-0205	SF	Relocate 1-3/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	95.18	
34 05 43 00-0206	LF	Relocate HP12 x 63 For Temporary Bridge Shoring Note: Remove after use.	78.64	
34 05 43 00-0207	LF	Relocate 3" x 3" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	15.79	
34 05 43 00-0208	LF	Relocate 4" x 4" x 3/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	19.18	
34 05 43 00-0209	LF	Relocate 7" x 4" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	39.39	
34 05 43 00-0210	SF	Relocate 7/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	60.56	
34 05 43 00-0211	LF	Relocate MC7 x 19.1 For Temporary Bridge Shoring Note: Remove after use.	45.60	
34 05 43 00-0212	LF	Relocate HP12 x 53 For Temporary Bridge Shoring Note: Remove after use.	77.00	
34 05 43 00-0213	SF	Relocate 5/8" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	43.27	
34 05 43 00-0214	LF	Relocate 7" x 4" x 5/8" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	35.38	
34 05 43 00-0215	SF	Relocate 1-1/2" A36 Steel Plates For Temporary Bridge Shoring Note: Remove after use.	103.84	
34 05 43 00-0216	LF	Relocate MC18 x 51.9 For Temporary Bridge Shoring Note: Remove after use.	131.61	
34 05 43 00-0217	LF	Relocate 5" x 3-1/2" x 3/4" Angle Iron For Temporary Bridge Shoring Note: Remove after use.	29.77	
34 05 43 00-0218		**Pier Caps And Pedestal Replacement For Bridges** *(34 05 43)* See CSI section 03 15 19 00-0001 for anchor bolts.		
34 05 43 00-0219	SF	Bridge Wood Formwork For Seats, Pedestals, Pier Caps And Miscellaneous Areas For Bridges	31.04	
34 05 43 00-0220	CWT	Rebar For Pier Cap Or Pedestals For Bridges	528.62	
34 05 43 00-0221	CY	Pour Pedestals For Bridges	434.73	
34 05 43 00-0222	CY	Demolish Concrete Pedestals For Bridges	4,527.11	
34 05 43 00-0223	CY	Pour Pier Cap For Bridges	513.82	
34 05 43 00-0224	CY	Demolish Concrete Pier Cap For Bridges	5,205.69	
34 05 43 00-0225		**Bridge Deck Repair** *(34 05 43)*		
34 05 43 00-0226		**Bridge Expansion Joint Repair** *(34 05 43 00-0225)* Note: Replace header with semi-flexible polymer nosing system. Includes saw cutting, chipping, sandblasting, forming, backer rod cleaning, primer and debris removal. Excludes disposal.		
34 05 43 00-0227	CF	Removal And Replacement Of Header With Semi-Flexible Polymer Nosing System For Bridge Expansion Joint Repair	976.47	
34 05 43 00-0228	CF	Removal And Replacement Of Header With Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Expansion Joint Repair Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	230.69	
		For Up To 24, Add	*40.13*	
34 05 43 00-0229	CF	Removal And Replacement Of Header With Polyester-Based Polymer Patch For Bridge Expansion Joint Repair Note: Includes saw cutting, drilling, removing concrete, forming, cleaning, primer, concrete material, reinforcing, dowels, debris removal and disposal. Excludes seal.	235.66	
		For Up To 24, Add	*40.63*	
34 05 43 00-0230	CI	Seal Expansion Joints With Rapid Cure Silicone For Bridge Expansion Joint Repair	7.46	
34 05 43 00-0231	CI	Seal Expansion Joints With Closed Cell Foam/EVA For Bridge Expansion Joint Repair	0.86	
34 05 43 00-0232	LF	Seal Expansion Joints With "V" Shape Preformed Silicone For Bridge Expansion Joint Repair	97.65	
		For >1,000 To 2,500, Deduct	*-9.77*	
		For >2,500, Deduct	*-15.92*	
34 05 43 00-0233	LF	Seal Expansion Joints With "W" Shape Preformed Silicone For Bridge Expansion Joint Repair	103.51	
		For >1,000 To 2,500, Deduct	*-10.35*	
		For >2,500, Deduct	*-16.80*	
34 05 43 00-0234		**Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck** *(34 05 43 00-0225)* Note: Includes steel profile and neoprene seal element. Demolition includes saw cutting and disposal of existing strip seal but excludes concrete removal.		
34 05 43 00-0235	LF	1-1/4" x 3-3/4" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	200.01	
		For >1,000 To 2,500, Deduct	*-20.00*	
		For >2,500, Deduct	*-33.94*	
34 05 43 00-0236	LF	1-7/8" x 8" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	227.34	
		For >1,000 To 2,500, Deduct	*-22.73*	
		For >2,500, Deduct	*-38.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0237	LF	1-1/4" x 2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	178.36	
		For >1,000 To 2,500, Deduct	*-17.84*	
		For >2,500, Deduct	*-30.54*	
34 05 43 00-0238	LF	1" x 1-1/2" Profile, Remove And Replace Cast In Place Strip Seal Expansion Joint With Neoprene Sealing Element For Concrete Bridge Deck	176.12	
		For >1,000 To 2,500, Deduct	*-17.61*	
		For >2,500, Deduct	*-30.20*	

34 05 43 00-0239 Silicone Joint Sealant For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Installation includes saw cutting, high pressure water wash, sand blast, sweeping, cleaning area, backer rod and silicone sealant.

34 05 43 00-0240	LF	1" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	26.41	
		For >1,000 To 2,500, Deduct	*-2.64*	
		For >2,500, Deduct	*-4.81*	
34 05 43 00-0241	LF	1-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	32.71	
		For >1,000 To 2,500, Deduct	*-3.27*	
		For >2,500, Deduct	*-5.77*	
34 05 43 00-0242	LF	2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	40.43	
		For >1,000 To 2,500, Deduct	*-4.04*	
		For >2,500, Deduct	*-6.95*	
34 05 43 00-0243	LF	2-1/2" x 1/2" Remove And Replace Expansion And Contraction Silicone Joint Sealant For Concrete Bridge Deck	44.19	
		For >1,000 To 2,500, Deduct	*-4.42*	
		For >2,500, Deduct	*-7.53*	

34 05 43 00-0244 V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, conditioner, epoxy, and backer rod.

34 05 43 00-0245	LF	3" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	94.85	
		For >1,000 To 2,500, Deduct	*-9.49*	
		For >2,500, Deduct	*-16.74*	
34 05 43 00-0246	LF	4" Remove And Replace V Shaped Preformed Extruded EPDM Expansion Joint For Concrete Bridge Deck	100.18	
		For >1,000 To 2,500, Deduct	*-10.02*	
		For >2,500, Deduct	*-17.66*	

34 05 43 00-0247 J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, conditioner, and epoxy.

34 05 43 00-0248	LF	2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	96.32	
		For >1,000 To 2,500, Deduct	*-9.63*	
		For >2,500, Deduct	*-16.74*	
34 05 43 00-0249	LF	2-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	114.66	
		For >1,000 To 2,500, Deduct	*-11.47*	
		For >2,500, Deduct	*-19.60*	
34 05 43 00-0250	LF	3" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	141.96	
		For >1,000 To 2,500, Deduct	*-14.20*	
		For >2,500, Deduct	*-23.81*	
34 05 43 00-0251	LF	3-1/2" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	172.33	
		For >1,000 To 2,500, Deduct	*-17.23*	
		For >2,500, Deduct	*-28.48*	
34 05 43 00-0252	LF	4" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	192.48	
		For >1,000 To 2,500, Deduct	*-19.25*	
		For >2,500, Deduct	*-31.63*	
34 05 43 00-0253	LF	5" Remove And Replace J Shaped Preformed Extruded Neoprene Expansion Joint For Concrete Bridge Deck	355.27	
		For >1,000 To 2,500, Deduct	*-35.53*	
		For >2,500, Deduct	*-56.31*	

34 05 43 00-0254 Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting, and lubricant adhesive.

34 05 43 00-0255	LF	1-1/4" x 1-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	50.62	
		For >1,000 To 2,500, Deduct	*-5.06*	
		For >2,500, Deduct	*-9.68*	
34 05 43 00-0256	LF	1-5/8" x 1-7/8" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	55.01	
		For >1,000 To 2,500, Deduct	*-5.50*	
		For >2,500, Deduct	*-10.44*	
34 05 43 00-0257	LF	1-3/4" x 1-3/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	57.60	
		For >1,000 To 2,500, Deduct	*-5.76*	
		For >2,500, Deduct	*-10.88*	
34 05 43 00-0258	LF	2" x 2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	60.75	
		For >1,000 To 2,500, Deduct	*-6.08*	
		For >2,500, Deduct	*-11.40*	
34 05 43 00-0259	LF	2-1/2" x 2-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	68.50	
		For >1,000 To 2,500, Deduct	*-6.85*	
		For >2,500, Deduct	*-12.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0260	LF	3" x 3-1/4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	78.53	
		For >1,000 To 2,500, Deduct	*-7.85*	
		For >2,500, Deduct	*-14.29*	
34 05 43 00-0261	LF	3-1/2" x 3-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	92.40	
		For >1,000 To 2,500, Deduct	*-9.24*	
		For >2,500, Deduct	*-16.49*	
34 05 43 00-0262	LF	4" x 4" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	106.52	
		For >1,000 To 2,500, Deduct	*-10.65*	
		For >2,500, Deduct	*-18.73*	
34 05 43 00-0263	LF	4-1/2" x 4-1/2" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	112.37	
		For >1,000 To 2,500, Deduct	*-11.24*	
		For >2,500, Deduct	*-19.74*	
34 05 43 00-0264	LF	5" x 5" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	128.57	
		For >1,000 To 2,500, Deduct	*-12.86*	
		For >2,500, Deduct	*-22.30*	
34 05 43 00-0265	LF	6" x 6" Remove And Replace Preformed Extruded Neoprene Compression Joint For Concrete Bridge Deck	183.64	
		For >1,000 To 2,500, Deduct	*-18.36*	
		For >2,500, Deduct	*-30.71*	

34 05 43 00-0266 Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck *(34 05 43 00-0225)*

Note: Includes saw cutting, sand blasting and epoxy.

34 05 43 00-0267	LF	1/2" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	44.10	
		For >1,000 To 2,500, Deduct	*-4.41*	
		For >2,500, Deduct	*-8.51*	
34 05 43 00-0268	LF	5/8" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	45.35	
		For >1,000 To 2,500, Deduct	*-4.54*	
		For >2,500, Deduct	*-8.74*	
34 05 43 00-0269	LF	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	46.59	
		For >1,000 To 2,500, Deduct	*-4.66*	
		For >2,500, Deduct	*-8.98*	
34 05 43 00-0270	LF	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	48.19	
		For >1,000 To 2,500, Deduct	*-4.82*	
		For >2,500, Deduct	*-9.26*	
34 05 43 00-0271	LF	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	49.83	
		For >1,000 To 2,500, Deduct	*-4.98*	
		For >2,500, Deduct	*-9.56*	
34 05 43 00-0272	LF	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	68.05	
		For >1,000 To 2,500, Deduct	*-6.81*	
		For >2,500, Deduct	*-12.34*	
34 05 43 00-0273	LF	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	72.40	
		For >1,000 To 2,500, Deduct	*-7.24*	
		For >2,500, Deduct	*-13.10*	
34 05 43 00-0274	LF	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	75.11	
		For >1,000 To 2,500, Deduct	*-7.51*	
		For >2,500, Deduct	*-13.56*	
34 05 43 00-0275	LF	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	79.27	
		For >1,000 To 2,500, Deduct	*-7.93*	
		For >2,500, Deduct	*-14.24*	
34 05 43 00-0276	LF	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	83.97	
		For >1,000 To 2,500, Deduct	*-8.40*	
		For >2,500, Deduct	*-14.99*	
34 05 43 00-0277	LF	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	88.89	
		For >1,000 To 2,500, Deduct	*-8.89*	
		For >2,500, Deduct	*-15.79*	
34 05 43 00-0278	LF	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	91.50	
		For >1,000 To 2,500, Deduct	*-9.15*	
		For >2,500, Deduct	*-16.24*	
34 05 43 00-0279	LF	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	99.79	
		For >1,000 To 2,500, Deduct	*-9.98*	
		For >2,500, Deduct	*-17.54*	
34 05 43 00-0280	LF	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	106.68	
		For >1,000 To 2,500, Deduct	*-10.67*	
		For >2,500, Deduct	*-18.63*	
34 05 43 00-0281	LF	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	112.61	
		For >1,000 To 2,500, Deduct	*-11.26*	
		For >2,500, Deduct	*-19.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0282	LF	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Joint For Concrete Bridge Deck	115.35	
		For >1,000 To 2,500, Deduct	*-11.54*	
		For >2,500, Deduct	*-20.06*	
34 05 43 00-0283	EA	3/4" x 1-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	148.76	
34 05 43 00-0284	EA	1" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	153.39	
34 05 43 00-0285	EA	1-1/4" x 2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	175.65	
34 05 43 00-0286	EA	1-1/2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	183.00	
34 05 43 00-0287	EA	1-3/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	189.42	
34 05 43 00-0288	EA	2" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	215.08	
34 05 43 00-0289	EA	2-1/4" x 2-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	220.84	
34 05 43 00-0290	EA	2-1/2" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	227.53	
34 05 43 00-0291	EA	2-3/4" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	234.59	
34 05 43 00-0292	EA	3" x 2-3/4" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	267.59	
34 05 43 00-0293	EA	3-1/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	280.45	
34 05 43 00-0294	EA	3-1/2" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	290.90	
34 05 43 00-0295	EA	3-3/4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	299.73	
34 05 43 00-0296	EA	4" x 3-1/2" Remove And Replace Silicone Coated Precompressed, Impregnated Cellular Polyurethane Foam Universal 90 Degree Fitting For Concrete Bridge Deck	303.93	

34 05 43 00-0297 Remove Existing Steel Joint System *(34 05 43 00-0225)*

34 05 43 00-0298	LF	Removal Of Existing Steel Joint System	68.72	

34 05 43 00-0299 Break-Up And Remove Bridge Decking By Machine *(34 05 43 00-0225)*

Note: Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Excludes saw cutting, See CSI section 02 41 19 13-0057 for saw cutting.

34 05 43 00-0300	SY	Break-Up And Remove Up To 3" Thick Bituminous Pavement Bridge Decking By Machine	22.35	
		For >500 To 1,000, Deduct	*-2.24*	
		For >1,000 To 2,500, Deduct	*-4.02*	
		For >2,500 To 5,000, Deduct	*-5.81*	
		For >5,000 To 10,000, Deduct	*-7.60*	
		For >10,000, Deduct	*-9.39*	
34 05 43 00-0301	SY	Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Machine	30.52	
		For >500 To 1,000, Deduct	*-3.05*	
		For >1,000 To 2,500, Deduct	*-5.49*	
		For >2,500 To 5,000, Deduct	*-7.94*	
		For >5,000 To 10,000, Deduct	*-10.38*	
		For >10,000, Deduct	*-12.82*	
34 05 43 00-0302	SY	Break-Up And Remove To 3" Thick Concrete With Reinforcing Bridge Decking By Machine	37.02	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000 To 2,500, Deduct	*-6.66*	
		For >2,500 To 5,000, Deduct	*-9.63*	
		For >5,000 To 10,000, Deduct	*-12.59*	
		For >10,000, Deduct	*-15.55*	
34 05 43 00-0303	SY	Break-Up And Remove > 3" To 6" Thick Concrete With Reinforcing Bridge Decking By Machine	47.60	
		For >500 To 1,000, Deduct	*-4.76*	
		For >1,000 To 2,500, Deduct	*-8.57*	
		For >2,500 To 5,000, Deduct	*-12.38*	
		For >5,000 To 10,000, Deduct	*-16.18*	
		For >10,000, Deduct	*-19.99*	
34 05 43 00-0304	SY	Break-Up And Remove > 6" To 9" Thick Concrete With Reinforcing Bridge Decking By Machine	85.11	
		For >500 To 1,000, Deduct	*-8.51*	
		For >1,000 To 2,500, Deduct	*-15.32*	
		For >2,500 To 5,000, Deduct	*-22.13*	
		For >5,000 To 10,000, Deduct	*-28.94*	
		For >10,000, Deduct	*-35.75*	
34 05 43 00-0305	SY	Break-Up And Remove >9" To 14" Thick Concrete With Reinforcing Bridge Decking By Machine	111.07	
		For >500 To 1,000, Deduct	*-11.11*	
		For >1,000 To 2,500, Deduct	*-19.99*	
		For >2,500 To 5,000, Deduct	*-28.88*	
		For >5,000 To 10,000, Deduct	*-37.76*	
		For >10,000, Deduct	*-46.65*	
34 05 43 00-0306	SY	Break-Up And Remove >14" To 19" Thick Concrete With Reinforcing Bridge Decking By Machine	145.21	
		For >500 To 1,000, Deduct	*-14.52*	
		For >1,000 To 2,500, Deduct	*-26.14*	
		For >2,500 To 5,000, Deduct	*-37.75*	
		For >5,000 To 10,000, Deduct	*-49.37*	
		For >10,000, Deduct	*-60.99*	

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		MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0307	SY		Break-Up And Remove >19" To 24" Thick Concrete With Reinforcing Bridge Decking By Machine	176.23	
			For >500 To 1,000, Deduct	*-17.62*	
			For >1,000 To 2,500, Deduct	*-31.72*	
			For >2,500 To 5,000, Deduct	*-45.82*	
			For >5,000 To 10,000, Deduct	*-59.92*	
			For >10,000, Deduct	*-74.02*	

34 05 43 00-0308 Break-Up And Remove Bridge Decking By Hand *(34 05 43 00-0225)*

Note: Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas up to 100 SF where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Excludes saw cutting. See CSI section 02 41 19 13-0057 for saw cutting.

34 05 43 00-0309	SF		Break-Up And Remove 1" To 3" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	14.21
34 05 43 00-0310	SF		Break-Up And Remove >3" To 6" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	18.70
34 05 43 00-0311	SF		Break-Up And Remove >6" To 8" Thick Bituminous Pavement Bridge Decking By Hand Note: Includes jackhammer and hand tools.	24.31
34 05 43 00-0312	SF		Break-Up And Remove 1" To 3" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	17.77
34 05 43 00-0313	SF		Break-Up And Remove >3" To 6" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	22.21
34 05 43 00-0314	SF		Break-Up And Remove >6" To 8" Thick Concrete Bridge Decking By Hand Note: Includes jackhammer and hand tools.	26.66
34 05 43 00-0315	SF		Chipping And Cleaning Of Bridge Deck After Break-up And Removals	6.03

34 05 43 00-0316 Hydro Blasting Of Bridge Decks *(34 05 43 00-0225)*

Note: Excludes hauling and disposal of water and debris.

34 05 43 00-0317	EA		Mobilization Of Hydro Blasting Equipment Note: Includes trailer with power, hydro milling machine, vacuum machine.	14,552.07
34 05 43 00-0318	EA		Mobilization Of Hydro Blasting Equipment Note: Includes water tank, pump and miscellaneous fittings.	1,889.88
34 05 43 00-0319	SF		Hydro Blasting Of Up To 2-1/2" Of Bridge Decks	12.61
34 05 43 00-0320	SF		Vacuuming And Cleaning Of Bridge Decks Up To 2-1/2", Following Hydroblasting	9.32
34 05 43 00-0321	SF		Chipping And Cleaning Of Bridge Deck After Hydro Blasting And Vacuum Up To 2-1/2"	2.30
34 05 43 00-0322	SF		Hydro Blasting 3" To 4-1/2" Of Bridge Decks	18.64
34 05 43 00-0323	SF		Vacuuming And Cleaning Of Bridge Decks 3" To 4-1/2", Following Hydro Blasting	12.61
34 05 43 00-0324	SF		Chipping And Cleaning Of Bridge Deck After Hydro Blasting And Vacuum 3" To 4-1/2"	6.03
34 05 43 00-0325	GAL		Water For Hydro Blasting Note: Includes delivery.	0.18

34 05 43 00-0326 Patch For Bridge Deck *(34 05 43 00-0225)*

34 05 43 00-0327	CF		Fast-Setting, Rapid-Hardening Structural Repair Mortar For Bridge Deck Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.	102.97
34 05 43 00-0328	CF		Polyester-Based Polymer Patch For Bridge Deck Note: Includes forming, cleaning, primer, and concrete material. Excludes reinforcing, dowels, and seal.	107.94
34 05 43 00-0329	SF		Hand Placed Hot Mixed Asphalt Repair For Bridge Approach Note: Includes removal of HMA, tack coat, and installation of HMA and compaction by roller.	25.95

34 05 43 00-0330 Pressure Washing For Bridge Deck *(34 05 43 00-0225)*

34 05 43 00-0331	SF		Pressure Washing For Bridge Deck Note: Includes pressure washer and water.	0.09

34 05 43 00-0332 Galvanic Anodes For Bridges *(34 05 43)*

34 05 43 00-0333	EA		2.6" Diameter x 1.2" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP) Note: Corrosion prevention only (preventing the initiation of corrosion).	60.01
34 05 43 00-0334	EA		4.9" Long x 1.0" Wide x 1.0" Deep , Anode Type 1A Class P, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XPT) Note: Corrosion prevention only (preventing the initiation of corrosion).	60.01
34 05 43 00-0335	EA		2.8" Long x 2.4" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP2) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	68.60
34 05 43 00-0336	EA		4.3" Long x 2.2" Wide x 1.2" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP4) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	75.12
34 05 43 00-0337	EA		2.5" Diameter x 1.1" Deep , Anode Type 1A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® XP+) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	68.60
34 05 43 00-0338	EA		1-3/4" Diameter x 2-1/2" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC65) Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).	70.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0339	EA	1-3/4" Diameter x 4" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC100)	85.99	
		Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0340	EA	1-1/8" Diameter x 5-3/8" Long, Anode Type 2A Class C, Galvanic Anodes Embedded In Concrete Patch (Galvashield® CC135)	79.47	
		Note: Corrosion control (reducing existing active corrosion) and corrosion prevention (preventing the initiation of corrosion).		
34 05 43 00-0341		**Bridge Netting Panels** *(34 05 43)*		
34 05 43 00-0342	SF	Bridge Netting Panel	10.24	
		Note: Includes cable, beam clamps to attach to the bridge structure without the need for drilling/welding and snap hooks for attaching the net.		
		For Up To 160, Add	*10.16*	
		For >160 To 320, Add	*5.08*	
		For >320 To 480, Add	*2.54*	
		For >2,000 To 10,000, Deduct	*-0.45*	
		For >10,000 To 25,000, Deduct	*-0.90*	
		For >25,000, Deduct	*-1.35*	
34 05 43 00-0343		**Anchors For Bridges** *(34 05 43)*		
		Note: Excludes core drilling. See CSI section 02 41 19 13-0080 for core drilling.		
34 05 43 00-0344		**Threaded Rod, A449** *(34 05 43 00-0343)*		
34 05 43 00-0345	LF	7/8" Diameter Continuous Threaded Rod, A449	21.68	
34 05 43 00-0346	LF	1" Diameter Continuous Threaded Rod, A449	25.79	
34 05 43 00-0347	LF	1-1/8" Diameter Continuous Threaded Rod, A449	29.87	
34 05 43 00-0348	LF	1-1/4" Diameter Continuous Threaded Rod, A449	37.73	
34 05 43 00-0349		**Flat Washers, F436** *(34 05 43 00-0343)*		
34 05 43 00-0350	EA	7/8" Flat Washer, F436	2.35	
34 05 43 00-0351	EA	1" Flat Washer, F436	2.73	
34 05 43 00-0352	EA	1-1/8" Flat Washer, F436	3.00	
34 05 43 00-0353	EA	1-1/4" Flat Washer, F436	3.42	
34 05 43 00-0354		**Heavy Hex Nut, A194** *(34 05 43 00-0343)*		
34 05 43 00-0355	EA	7/8" Hex Nut, A194	4.73	
34 05 43 00-0356	EA	1" Hex Nut, A194	6.43	
34 05 43 00-0357	EA	1-1/8" Hex Nut, A194	7.62	
34 05 43 00-0358	EA	1-1/4" Hex Nut, A194	9.10	
34 05 43 00-0359		**Grout For Threaded Rod** *(34 05 43 00-0343)*		
34 05 43 00-0360	IN	Grout 7/8" Rod In Hole	3.19	
34 05 43 00-0361	IN	Grout 1" Rod In Hole	3.64	
34 05 43 00-0362	IN	Grout 1-1/8" Rod In Hole	4.26	
34 05 43 00-0363	IN	Grout 1-1/4" Rod In Hole	5.09	
34 05 43 00-0364		**Test Grouted Anchor** *(34 05 43 00-0343)*		
34 05 43 00-0365	EA	Test Grouted Anchor	36.62	
34 05 43 00-0366		**Removal Of Fasteners Or Anchors In Concrete** *(34 05 43 00-0343)*		
		Note: Includes removal of damaged, chemically adhered or mechanically fastened bolts, studs, threaded rod or concrete anchors with a carbide drill bit.		
34 05 43 00-0367	EA	Drill Out 3/8" Diameter Fastener/Anchor In Concrete	29.96	
34 05 43 00-0368	EA	Drill Out 1/2" Diameter Fastener/Anchor In Concrete	32.23	
34 05 43 00-0369	EA	Drill Out 9/16" Diameter Fastener/Anchor In Concrete	33.81	
34 05 43 00-0370	EA	Drill Out 5/8" Diameter Fastener/Anchor In Concrete	36.80	
34 05 43 00-0371	EA	Drill Out 3/4" Diameter Fastener/Anchor In Concrete	40.23	
34 05 43 00-0372	EA	Drill Out 7/8" Diameter Fastener/Anchor In Concrete	44.54	
34 05 43 00-0373	EA	Drill Out 1" Diameter Fastener/Anchor In Concrete	47.11	
34 05 43 00-0374	EA	Drill Out 1-1/8" Diameter Fastener/Anchor In Concrete	50.15	
34 05 43 00-0375	EA	Drill Out 1-1/4" Diameter Fastener/Anchor In Concrete	53.96	
34 05 43 00-0376	EA	Drill Out 1-1/2" Diameter Fastener/Anchor In Concrete	60.54	
34 05 43 00-0377		**Bridge Surfacing** *(34 05 43)*		
34 05 43 00-0378		**Bridge Coatings** *(34 05 43 00-0377)*		
		Note: Includes sweeping of bridge deck.		
34 05 43 00-0379	SF	Penetrating Corrosion Inhibitor Sealer For Bridge Decks (Two Coats)	1.24	
		Note: Includes power washing and drying after power washing.		
34 05 43 00-0380	SF	Protective Seal Coat For Existing Bridge Decks	2.29	
34 05 43 00-0381	SF	Penetrating Sealer For Existing Bridge Decks	3.78	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0382		**Bridge Membranes** *(34 05 43 00-0377)*		
		Note: Excludes abrasive blasting of deck.		
34 05 43 00-0383	SF	Spray Applied Waterproofing Membrane For Bridge Decks	14.38	
34 05 43 00-0384	SF	Sheet Applied Waterproofing Membrane For Bridge Decks	4.17	
34 05 43 00-0385		**Sealer And Overlay For Bridge Deck** *(34 05 43 00-0377)*		
		Note: Excludes sweeping, cleaning and abrasive blasting.		
34 05 43 00-0386	SY	Shot Blasting Bridge Decks	15.10	
		Note: Includes steel ball media. Includes air cleaning of deck surface after shot blasting.		
34 05 43 00-0387	SY	Thin Polymer (Epoxy) Overlay For Bridge Deck	96.28	
		Note: Includes epoxy overlay applied in two coats with aggregate.		
34 05 43 00-0388	SY	3/4" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	173.85	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0389	SY	1" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	198.74	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0390	SY	1-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	254.45	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0391	SY	2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	310.18	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0392	SY	2-1/2" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	365.90	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0393	SY	3" Thin Polyester Polymer Overlay Wearing Surface For Bridge Deck	421.62	
		Note: Includes HMWM resin primer and polyester concrete. Excludes finishing sand.		
34 05 43 00-0394		**Broadcast Silica Sand** *(34 05 43 00-0377)*		
		Note: Includes removing loose sand.		
34 05 43 00-0395	SF	Broadcast Silica Sand	0.32	
34 05 43 00-0396		**Sweeping And Cleaning Of Bridge Deck** *(34 05 43 00-0377)*		
		See CSI section 01 22 23 00-1356 for water trucks, 01 22 23 00-1374 for vacuum sweeper trucks.		
34 05 43 00-0397		**Concrete Overlay For Bridge Deck** *(34 05 43 00-0377)*		
		Note: Includes sweeping and cleaning. Excludes abrasive blasting.		
34 05 43 00-0398	SY	3" Concrete Overlay For Bridge Deck	187.95	
		For DOT Class DP, Add	*37.24*	
		For DOT Class E, Add	*12.15*	
		For DOT Class HP, Add	*35.55*	
34 05 43 00-0399		**Bridge Roadway Grooving** *(34 05 43 00-0377)*		
34 05 43 00-0400	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	4,236.91	
34 05 43 00-0401	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Longitudinal	6.87	
34 05 43 00-0402	EA	Up To 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	4,720.07	
34 05 43 00-0403	SY	Each SY Over First 500 SY Of Bridge Pavement Grooving, Concrete, Traverse	8.94	
34 05 43 00-0404		**Gravity Fed Concrete Crack Repair** *(34 05 43 00-0377)*		
		Note: Includes removing loose materials and cleaning.		
34 05 43 00-0405	LF	Epoxy Low Viscosity Gravity Fed Concrete Crack Repair	3.76	
34 05 43 00-0406	LF	HMWM Low Viscosity Gravity Fed Concrete Crack Repair	4.40	
34 05 43 00-0407		**Concrete Pumping With Boom Truck** *(34 05 43 00-0377)*		
		See CSI section 03 31 13 00-0010 for concrete delivery for small quantities, 03 37 16 00-0001 for concrete pump truck.		
34 05 43 00-0408		**Bridge Girder Repair** *(34 05 43)*		
34 05 43 00-0409		**Bridge Girder Repair** *(34 05 43 00-0408)*		
		Note: Does not include mobilization of bridge jacking crew. See CSI section 05 05 23 00-0033 for bolts, nuts and washers, 05 12 23 00-0000 for additional steel shapes, angles and channels.		
34 05 43 00-0410	HR	UT, MT, PT Testing	75.00	
		Note: Does not include mileage to job site.		
34 05 43 00-0411	EA	Mobilization of Bridge Girder Repair Crew	2,610.61	
34 05 43 00-0412	LF	3" x 3" x 1/4" Angle Iron For Bridge Repair	14.78	6.01
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*21.63*	
		For Aluminum, Add	*1.22*	
		For Galvanized Steel, Add	*4.19*	
34 05 43 00-0413	LF	4" x 4" x 1/4" Angle Iron For Bridge Repair	18.91	7.33
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*29.22*	
		For Aluminum, Add	*1.64*	
		For Galvanized Steel, Add	*5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0414	LF	3" x 3" x 3/8" Angle Iron For Bridge Repair	18.95	6.77
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*31.78*	
		For Aluminum, Add	*1.79*	
		For Galvanized Steel, Add	*6.16*	
34 05 43 00-0415	LF	4" x 4" x 3/8" Angle Iron For Bridge Repair	24.48	8.22
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*43.26*	
		For Aluminum, Add	*2.43*	
		For Galvanized Steel, Add	*8.38*	
34 05 43 00-0416	LF	6" x 4" x 3/8" Angle Iron For Bridge Repair	31.32	10.74
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*54.43*	
		For Aluminum, Add	*3.06*	
		For Galvanized Steel, Add	*10.55*	
34 05 43 00-0417	LF	6" x 6" x 3/8" Angle Iron For Bridge Repair	34.92	10.74
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*65.95*	
		For Aluminum, Add	*3.71*	
		For Galvanized Steel, Add	*12.78*	
34 05 43 00-0418	LF	6" x 6" x 1/2" Angle Iron For Bridge Repair	46.31	14.41
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*86.72*	
		For Aluminum, Add	*4.88*	
		For Galvanized Steel, Add	*16.80*	
34 05 43 00-0419	LF	7" x 4" x 5/8" Angle Iron For Bridge Repair	50.81	15.19
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*97.79*	
		For Aluminum, Add	*5.50*	
		For Galvanized Steel, Add	*18.95*	
34 05 43 00-0420	LF	5" x 3-1/2" x 3/4" Angle Iron For Bridge Repair	44.39	12.76
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*87.62*	
		For Aluminum, Add	*4.93*	
		For Galvanized Steel, Add	*16.98*	
34 05 43 00-0421	LF	6" x 4" x 3/4" Angle Iron For Bridge Repair	52.91	15.21
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*104.45*	
		For Aluminum, Add	*5.88*	
		For Galvanized Steel, Add	*20.24*	
34 05 43 00-0422	LF	7" x 4" x 3/4" Angle Iron For Bridge Repair	58.74	16.88
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*115.94*	
		For Aluminum, Add	*6.52*	
		For Galvanized Steel, Add	*22.46*	
34 05 43 00-0423	LF	8" x 6" x 7/8" Angle Iron For Bridge Repair	85.42	23.51
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*173.02*	
		For Aluminum, Add	*9.73*	
		For Galvanized Steel, Add	*33.52*	
34 05 43 00-0424	LF	C4 x 5.4 - 4" Wide Channels For Bridge Repair	17.78	7.73
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*23.90*	
		For Aluminum, Add	*1.34*	
		For Galvanized Steel, Add	*4.63*	
34 05 43 00-0425	LF	C6 x 8.2 - 6" Wide Channels For Bridge Repair	25.77	10.83
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*36.29*	
		For Aluminum, Add	*2.04*	
		For Galvanized Steel, Add	*7.03*	
34 05 43 00-0426	LF	C8 x 11.5 - 8" Wide Channels For Bridge Repair	34.80	14.17
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*50.88*	
		For Aluminum, Add	*2.86*	
		For Galvanized Steel, Add	*9.86*	
34 05 43 00-0427	LF	C10 x 15.3 - 10" Wide Channels For Bridge Repair	46.29	18.85
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*67.68*	
		For Aluminum, Add	*3.81*	
		For Galvanized Steel, Add	*13.11*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0428	LF	C12 x 20.7 - 12" Wide Channels For Bridge Repair	62.64	25.52
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*91.58*	
		For Aluminum, Add	*5.15*	
		For Galvanized Steel, Add	*17.74*	
34 05 43 00-0429	LF	C15 x 33.9 - 15" Wide Channels For Bridge Repair	102.58	41.78
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
		For Fractured Critical, Add	*20.00*	
		For Stainless Steel, Add	*149.98*	
		For Aluminum, Add	*8.44*	
		For Galvanized Steel, Add	*29.06*	
34 05 43 00-0430	SF	1/2" A36 Steel Plates For Bridge Repair	62.08	16.45
		For A50 Grade Steel, Add	*2.24*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0431	SF	5/8" A36 Steel Plates For Bridge Repair	77.60	20.55
		For A50 Grade Steel, Add	*2.80*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0432	SF	3/4" A36 Steel Plates For Bridge Repair	93.12	24.54
		For A50 Grade Steel, Add	*3.36*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0433	SF	7/8" A36 Steel Plates For Bridge Repair	108.64	28.77
		For A50 Grade Steel, Add	*3.92*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0434	SF	1" A36 Steel Plates For Bridge Repair	124.16	32.88
		For A50 Grade Steel, Add	*4.48*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0435	SF	1-1/4" A36 Steel Plates For Bridge Repair	155.20	41.11
		For A50 Grade Steel, Add	*5.60*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0436	SF	1-3/8" A36 Steel Plates For Bridge Repair	170.72	45.22
		For A50 Grade Steel, Add	*6.16*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0437	SF	1-1/2" A36 Steel Plates For Bridge Repair	186.24	49.33
		For A50 Grade Steel, Add	*6.72*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		For Fractured Critical, Add	*20.00*	
34 05 43 00-0438	CWT	Removal Of Existing Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	70.56	
		For Removal Over 30' To 50', Add	*14.11*	
		For Removal Over 50' To 75', Add	*24.70*	
		For Removal Over 75', Add	*35.28*	
34 05 43 00-0439	TON	Removal Of Existing Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	940.80	
		For Removal Over 30' To 50', Add	*188.16*	
		For Removal Over 50' To 75', Add	*329.28*	
		For Removal Over 75', Add	*470.40*	
34 05 43 00-0440	CWT	Miscellaneous Steel For Bridge Repair A36 Note: For use with angles, channels and steel plates up to 5' x 5'.	473.35	
		For A50 Grade Steel, Add	*80.56*	
		Cutting Fee For Plates 1/2" And Over, Add Per Each Piece	*30.00*	
		Cutting Fee For Channels And Angles, Add Per Each Piece	*20.00*	
34 05 43 00-0441	TON	Miscellaneous Steel For Bridge Repair A36 Note: For use with I-beams, floor beams and plates over 5' x 5'.	7,552.27	
		For A50 Grade Steel, Add	*1,322.29*	
		Cutting Fee For I-beams, Floor Beams And Plates Over 5' x 5', Add Per Each Piece	*30.00*	
34 05 43 00-0442	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair Up To 15/16" Diameter Note: Per each hole drilled per steel member.	38.82	
34 05 43 00-0443	EA	Field Or Shop Drilled Holes In Miscellaneous Steel For Bridge Repair >15/16" Diameter Note: Per each hole drilled per steel member.	50.44	
34 05 43 00-0444	EA	Bolts A325 For Steel Repair Connections Up To 7/8"	30.71	2.29
34 05 43 00-0445	EA	Bridge Girder Rivet Removal	355.09	
34 05 43 00-0446	LF	Up To 1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	7.65	
34 05 43 00-0447	LF	>1/2" To 1" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	13.37	
34 05 43 00-0448	LF	>1" To 1-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	19.10	
34 05 43 00-0449	LF	>1-1/2" To 2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	24.83	
34 05 43 00-0450	LF	>2" To 2-1/2" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	30.55	
34 05 43 00-0451	LF	>2-1/2" To 3" Thick Edge Grinding, Smoothing Surface After Torch Cutting Note: Includes rust or scale removal.	36.28	

34 05 43 00-0452 Cleaning And Preparation Of Painted And Unpainted Metal Surfaces *(34 05 43 00-0408)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0453	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.17	
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.14*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.11*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.22*	
34 05 43 00-0454	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	1.61	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 15,000, Deduct	*-0.15*	
		For >15,000 To 30,000, Deduct	*-0.23*	
		For >30,000, Deduct	*-0.31*	
34 05 43 00-0455	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Surface Preparation, Bridge Girder Repair	2.37	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 30,000, Deduct	*-0.34*	
		For >30,000, Deduct	*-0.45*	
34 05 43 00-0456	SF	Badly Pitted With Rust Nodules, Commercial Blast, Surface Preparation, Bridge Girder Repair	3.95	
		For Up To 100, Add	*2.42*	
		For >100 To 250, Add	*1.13*	
		For >250 To 500, Add	*0.48*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.57*	
		For >30,000, Deduct	*-0.75*	
34 05 43 00-0457	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.01	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.36*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 30,000, Deduct	*-0.43*	
		For >30,000, Deduct	*-0.57*	
34 05 43 00-0458	SF	Tight Mill Scale Little Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	3.73	
		For Up To 100, Add	*2.24*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 15,000, Deduct	*-0.34*	
		For >15,000 To 30,000, Deduct	*-0.54*	
		For >30,000, Deduct	*-0.71*	
34 05 43 00-0459	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Surface Preparation, Bridge Girder Repair	4.83	
		For Up To 100, Add	*2.90*	
		For >100 To 250, Add	*1.35*	
		For >250 To 500, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 15,000, Deduct	*-0.44*	
		For >15,000 To 30,000, Deduct	*-0.70*	
		For >30,000, Deduct	*-0.92*	
34 05 43 00-0460	SF	Badly Pitted Rust Nodules, Near White Blast, Surface Preparation, Bridge Girder Repair	6.04	
		For Up To 100, Add	*3.63*	
		For >100 To 250, Add	*1.69*	
		For >250 To 500, Add	*0.73*	
		For >5,000 To 10,000, Deduct	*-0.28*	
		For >10,000 To 15,000, Deduct	*-0.56*	
		For >15,000 To 30,000, Deduct	*-0.87*	
		For >30,000, Deduct	*-1.15*	

34 05 43 00-0461 Galvanized Anchor Bolts For Bridge Bearings *(34 05 43 00-0408)*

34 05 43 00-0462	EA	1/2" Diameter x 6" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	15.20
34 05 43 00-0463	EA	1/2" Diameter x 12" Long, J-Type Galvanized Anchor Bolts For Bridge Bearings	24.86
34 05 43 00-0464	EA	1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	31.24
34 05 43 00-0465	EA	5/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	37.42
34 05 43 00-0466	EA	5/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	47.26
34 05 43 00-0467	EA	5/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	53.49
34 05 43 00-0468	EA	3/4" Diameter x 8" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	53.20
34 05 43 00-0469	EA	3/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	61.28
34 05 43 00-0470	EA	3/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	76.20
34 05 43 00-0471	EA	3/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	93.72
34 05 43 00-0472	EA	7/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	71.17
34 05 43 00-0473	EA	7/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	84.33
34 05 43 00-0474	EA	7/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	109.24
34 05 43 00-0475	EA	1" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	89.57
34 05 43 00-0476	EA	1" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	107.09
34 05 43 00-0477	EA	1" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	133.05
34 05 43 00-0478	EA	1" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	163.32
34 05 43 00-0479	EA	1-1/8" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	109.08

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0480	EA	1-1/8" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	130.50	
34 05 43 00-0481	EA	1-1/8" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	162.31	
34 05 43 00-0482	EA	1-1/8" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	199.10	
34 05 43 00-0483	EA	1-1/4" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	133.37	
34 05 43 00-0484	EA	1-1/4" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	159.69	
34 05 43 00-0485	EA	1-1/4" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	198.77	
34 05 43 00-0486	EA	1-1/4" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	243.66	
34 05 43 00-0487	EA	1-1/2" Diameter x 12" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	163.75	
34 05 43 00-0488	EA	1-1/2" Diameter x 18" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	196.14	
34 05 43 00-0489	EA	1-1/2" Diameter x 24" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	244.35	
34 05 43 00-0490	EA	1-1/2" Diameter x 36" Long, J-Type A449 Galvanized Anchor Bolts For Bridge Bearings	299.41	

34 05 43 00-0491 Welding For Bridge Repair *(34 05 43 00-0408)*

34 05 43 00-0492	EA	Minimum Charge For Welding For Bridge Repair Note: For projects where the total welding charge is less than the minimum charge. Use this item exclusively. This item should not be used in conjunction with any other items in this section.	2,275.35	
34 05 43 00-0493	LF	3/16" Fillet Welding For Bridge Repair	16.76	
		For Full Penetration Weld, Add	*6.25*	
34 05 43 00-0494	LF	1/4" Fillet Welding For Bridge Repair	25.18	
		For Full Penetration Weld, Add	*9.38*	
34 05 43 00-0495	LF	5/16" Fillet Welding For Bridge Repair	33.60	
		For Full Penetration Weld, Add	*12.51*	
34 05 43 00-0496	LF	3/8" Fillet Welding For Bridge Repair	41.95	
		For Full Penetration Weld, Add	*15.64*	
34 05 43 00-0497	LF	7/16" Fillet Welding For Bridge Repair	49.17	
		For Full Penetration Weld, Add	*18.76*	
34 05 43 00-0498	LF	1/2" Fillet Welding For Bridge Repair	58.29	
		For Full Penetration Weld, Add	*21.72*	
34 05 43 00-0499	LF	9/16" Fillet Welding For Bridge Repair	67.55	
		For Full Penetration Weld, Add	*25.59*	
34 05 43 00-0500	LF	5/8" Fillet Welding For Bridge Repair	74.59	
		For Full Penetration Weld, Add	*28.15*	
34 05 43 00-0501	LF	3/4" Fillet Welding For Bridge Repair	103.43	
		For Full Penetration Weld, Add	*38.47*	
34 05 43 00-0502	LF	7/8" Fillet Welding For Bridge Repair	135.58	
		For Full Penetration Weld, Add	*51.00*	
34 05 43 00-0503	LF	1" Fillet Welding For Bridge Repair	189.48	
		For Full Penetration Weld, Add	*70.37*	

34 05 43 00-0504 Bridge Trough Repair *(34 05 43)*

34 05 43 00-0505	EA	New Bridge Trough Hanger	317.62	28.63
34 05 43 00-0506	EA	Reattach By Welding Existing Bridge Trough Hanger, Top And/or Bottom	75.13	
34 05 43 00-0507	EA	Removal And Replacement Of All Thread For Existing Bridge Trough Hanger	136.21	
34 05 43 00-0508	EA	Removal And Replacement Of Steel Angle Attachment For Existing Bridge Trough Hanger	74.33	

34 05 43 00-0509 Spot Paint Removal And Painting, Bridge Structural Steel *(34 05 43)*

34 05 43 00-0510	HR	Testing For Lead And Asbestos Paint Removal By Asbestos Contractor	114.35	
34 05 43 00-0511	EA	Up To 4 SF, Flat Surfaces, Non-Contaminated Paint Removal	203.57	
34 05 43 00-0512	SF	>4 SF, Flat Surfaces, Non-Contaminated Paint Removal	50.89	
34 05 43 00-0513	EA	Up To 4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	281.38	
34 05 43 00-0514	SF	>4 SF, Flat Surfaces, Lead Or Asbestos Paint Removal Note: Includes high efficiency particulate air (HEPA) vacuuming.	70.35	
34 05 43 00-0515	CF	Treat and Dispose of Removed Paint Waste	6.42	
34 05 43 00-0516	SF	Flat Surfaces Spot Painting Note: Includes 1 coat epoxy rust inhibiting primer and 2 coats epoxy paint finish.	54.05	
34 05 43 00-0517	EA	Minimum Charge For Plastic Barrier Enclosure for Paint Removal Note: Up to an 8' x 8' area, 7' high. Includes 10 mil plastic on walls and floor. 2"x4" construction. Excludes scaffolding.	1,232.98	
34 05 43 00-0518	SF	Plastic Barrier Enclosure For Paint Removal Note: For projects where the total charge exceeds the minimum charge for plastic barrier enclosures. Includes 10 mil plastic on floor and walls. 2" x 4" construction. Excludes scaffolding. Use area of walls and floor for quantity.	3.85	

34 05 43 00-0519 End Beam Cleaning And Painting For Bridges *(34 05 43)*

34 05 43 00-0520	SF	End Beam Cleaning and Painting Note: Includes high-pressure wash at minimum 3,003 to 5,000 PSI, spot cleaning damaged/rusted areas with hand and power tools (SSPC – SP2 and SP3), solvent cleaning (SSPC-SP1), one coat of aluminum epoxy mastic (minimum 6 mils) to spot cleaned areas, one coat sealer (1-2 mils), and one coat polyurethane finish.	4.12	
		For Up To 100, Add	*4.12*	
		For >100 To 500, Add	*2.72*	
		For >500 To 3,000, Add	*1.36*	
		For >5,000 To 7,500, Deduct	*-0.65*	
		For >7,500 To 10,000, Deduct	*-0.98*	
		For >10,000, Deduct	*-1.38*	

34 05 43 00-0521 Pedestrian Fences For Bridges *(34 05 43)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0522		**Pedestrian Fence Assembly For Bridges** *(34 05 43 00-0521)* Note: Includes 1", 11 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, 1-5/8" top rail, 1-5/8" bottom rail, 2-7/8" post 10' on-center. Posts exclude installation onto bridge. Heights indicated are for mesh to top.		
34 05 43 00-0523		**Galvanized Pedestrian Fence Assembly For Bridges** *(34 05 43 00-0522)*		
34 05 43 00-0524	LF	4' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	55.46	13.05
		For Posts 8' On Centers, Add	*3.04*	
		For Posts 5' On Centers, Add	*11.43*	
		For Up To 100, Add	*10.54*	
		For >100 To 250, Add	*3.88*	
34 05 43 00-0525	LF	>4' To 5' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	60.52	13.71
		For Posts 8' On Centers, Add	*3.31*	
		For Posts 5' On Centers, Add	*12.41*	
		For Up To 100, Add	*11.41*	
		For >100 To 250, Add	*4.19*	
34 05 43 00-0526	LF	>5' To 6' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	65.63	14.36
		For Posts 8' On Centers, Add	*3.57*	
		For Posts 5' On Centers, Add	*13.40*	
		For Up To 100, Add	*12.29*	
		For >100 To 250, Add	*4.50*	
34 05 43 00-0527	LF	>6' To 7' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	68.98	15.02
		For Posts 8' On Centers, Add	*3.76*	
		For Posts 5' On Centers, Add	*14.08*	
		For Up To 100, Add	*12.90*	
		For >100 To 250, Add	*4.73*	
34 05 43 00-0528	LF	>7' To 8' Galvanized Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	78.60	16.32
		For Posts 8' On Centers, Add	*4.26*	
		For Posts 5' On Centers, Add	*15.95*	
		For Up To 100, Add	*14.57*	
		For >100 To 250, Add	*5.32*	
34 05 43 00-0529		**Vinyl Coated Pedestrian Fence Assembly For Bridges** *(34 05 43 00-0522)*		
34 05 43 00-0530	LF	4' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	58.34	13.05
		For Powder Coated, Add	*7.23*	
		For Aluminum Coated, Add	*14.45*	
		For Posts 8' On Centers, Add	*3.18*	
		For Posts 5' On Centers, Add	*11.94*	
		For Up To 100, Add	*10.97*	
		For >100 To 250, Add	*4.03*	
34 05 43 00-0531	LF	>4' To 5' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	64.14	13.71
		For Powder Coated, Add	*8.16*	
		For Aluminum Coated, Add	*16.33*	
		For Posts 8' On Centers, Add	*3.49*	
		For Posts 5' On Centers, Add	*13.06*	
		For Up To 100, Add	*11.95*	
		For >100 To 250, Add	*4.37*	
34 05 43 00-0532	LF	>5' To 6' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	72.98	14.36
		For Powder Coated, Add	*9.71*	
		For Aluminum Coated, Add	*19.42*	
		For Posts 8' On Centers, Add	*3.94*	
		For Posts 5' On Centers, Add	*14.73*	
		For Up To 100, Add	*13.39*	
		For >100 To 250, Add	*4.87*	
34 05 43 00-0533	LF	>6' To 7' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	77.53	15.02
		For Powder Coated, Add	*10.40*	
		For Aluminum Coated, Add	*20.79*	
		For Posts 8' On Centers, Add	*4.18*	
		For Posts 5' On Centers, Add	*15.62*	
		For Up To 100, Add	*14.18*	
		For >100 To 250, Add	*5.15*	
34 05 43 00-0534	LF	>7' To 8' Vinyl (PVC) Coated Chain Link Fence, 11 Gauge Coiled Spring 1" Mesh, Top And Bottom Rails, 2-7/8" Post At 10' On-Center	88.56	16.32
		For Powder Coated, Add	*12.16*	
		For Aluminum Coated, Add	*24.32*	
		For Posts 8' On Centers, Add	*4.76*	
		For Posts 5' On Centers, Add	*17.75*	
		For Up To 100, Add	*16.06*	
		For >100 To 250, Add	*5.82*	
34 05 43 00-0535		**Bridge Connection Mounting For Pedestrian Fence Assembly** *(34 05 43 00-0522)*		
34 05 43 00-0536	EA	Attach Bridge Fence Post To Steel Bridge Railing Post With U-Bolt, Washers And Nuts Note: Includes drilling into steel post.	62.89	
34 05 43 00-0537	EA	Attach Bridge Fence Post Base To Existing Plate, Welding And Touch-up With Galvanized Paint	34.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0538	EA	Attach Bridge Fence Post Base With Plate, Welding And Touch-up With Galvanized Paint	95.12	
34 05 43 00-0539	EA	Attach Bridge Fence Post To Concrete Safety Shape Barrier With Bolt, 5/8" Diameter x 4-3/4" Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	105.03	
34 05 43 00-0540	EA	Attach Bridge Fence Post To Stone Faced Barrier Top With Plate, 3/8" Diameter Anchor Rods, Washers And Nuts Note: Includes drilling into steel post.	144.50	
34 05 43 00-0541		**Bridge Drainage Pipe** *(34 05 43)* Note: Concrete gray.		
34 05 43 00-0542		**FRP Bridge Drain Pipe** *(34 05 43 00-0541)*		
34 05 43 00-0543	LF	6" IPS FRP Bridge Drain Piping	168.71	19.36
34 05 43 00-0544	LF	8" IPS FRP Bridge Drain Piping	213.88	24.17
34 05 43 00-0545	LF	10" IPS FRP Bridge Drain Piping	275.17	28.97
34 05 43 00-0546	LF	12" IPS FRP Bridge Drain Piping	343.15	33.79
34 05 43 00-0547		**FRP Bridge Drain Tee Saddles** *(34 05 43 00-0541)*		
34 05 43 00-0548	EA	6" x 6" FRP Bridge Drain Tee Saddle	1,429.22	289.55
34 05 43 00-0549	EA	8" x 8" FRP Bridge Drain Tee Saddle	1,814.18	361.93
34 05 43 00-0550	EA	10" x 10" FRP Bridge Drain Tee Saddle	2,658.73	434.32
34 05 43 00-0551	EA	12" x 12" FRP Bridge Drain Tee Saddle	3,211.84	506.71
34 05 43 00-0552	EA	8" x 6" FRP Bridge Drain Tee Saddle	1,687.27	325.75
34 05 43 00-0553	EA	10" x 6" FRP Bridge Drain Tee Saddle	2,410.90	361.93
34 05 43 00-0554	EA	10" x 8" FRP Bridge Drain Tee Saddle	2,534.84	398.12
34 05 43 00-0555	EA	12" x 6" FRP Bridge Drain Tee Saddle	2,859.96	398.12
34 05 43 00-0556	EA	12" x 8" FRP Bridge Drain Tee Saddle	2,963.03	434.32
34 05 43 00-0557	EA	12" x 10" FRP Bridge Drain Tee Saddle	3,091.70	470.51
34 05 43 00-0558		**FRP Bridge Drain 45 Degree Lateral Saddles** *(34 05 43 00-0541)*		
34 05 43 00-0559	EA	6" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	1,526.78	289.55
34 05 43 00-0560	EA	8" x 8" FRP Bridge Drain 45 Degree Lateral Saddle	1,927.36	361.93
34 05 43 00-0561	EA	10" x 10" FRP Bridge Drain 45 Degree Lateral Saddle	2,872.68	434.32
34 05 43 00-0562	EA	12" x 12" FRP Bridge Drain 45 Degree Lateral Saddle	3,632.60	506.71
34 05 43 00-0563	EA	8" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	1,801.08	325.75
34 05 43 00-0564	EA	10" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	2,631.08	361.93
34 05 43 00-0565	EA	10" x 8" FRP Bridge Drain 45 Degree Lateral Saddle	2,751.83	398.12
34 05 43 00-0566	EA	12" x 6" FRP Bridge Drain 45 Degree Lateral Saddle	3,279.33	398.12
34 05 43 00-0567	EA	12" x 8" FRP Bridge Drain 45 Degree Lateral Saddle	3,400.18	434.32
34 05 43 00-0568		**FRP Bridge Drain Couplings** *(34 05 43 00-0541)*		
34 05 43 00-0569	EA	6" FRP Bridge Drain Coupling	651.95	154.39
34 05 43 00-0570	EA	8" FRP Bridge Drain Coupling	842.23	192.99
34 05 43 00-0571	EA	10" FRP Bridge Drain Coupling	1,017.93	231.60
34 05 43 00-0572	EA	12" FRP Bridge Drain Coupling	1,440.72	270.31
34 05 43 00-0573		**FRP Bridge Drain Flanges** *(34 05 43 00-0541)*		
34 05 43 00-0574	EA	6" FRP Bridge Drain Flange	792.64	77.20
34 05 43 00-0575	EA	6", 8 Hole FRP Bridge Drain Flange	931.83	96.56
34 05 43 00-0576	EA	8" FRP Bridge Drain Flange	976.86	96.56
34 05 43 00-0577	EA	8", 8 Hole FRP Bridge Drain Flange	1,130.90	120.61
34 05 43 00-0578	EA	10" FRP Bridge Drain Flange	1,317.24	115.79
34 05 43 00-0579	EA	10", 12 Hole FRP Bridge Drain Flange	1,520.32	144.78
34 05 43 00-0580		**FRP Bridge Drain Socket Cleanouts With Plug** *(34 05 43 00-0541)*		
34 05 43 00-0581	EA	6" x 4" FRP Bridge Drain Socket Cleanout With 4" Plug	639.04	96.56
34 05 43 00-0582	EA	8" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug	855.69	120.61
34 05 43 00-0583	EA	10" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug	986.74	144.78
34 05 43 00-0584	EA	12" x 6" FRP Bridge Drain Socket Cleanout With 6" Plug	1,268.54	168.95
34 05 43 00-0585		**FRP Bridge Drain Concentric Reducers** *(34 05 43 00-0541)*		
34 05 43 00-0586	EA	8" x 6" FRP Bridge Drain Concentric Reducer	1,100.37	120.61
34 05 43 00-0587	EA	10" x 6" FRP Bridge Drain Concentric Reducer	1,057.54	137.56
34 05 43 00-0588	EA	10" x 8" FRP Bridge Drain Concentric Reducer	1,042.09	144.78
34 05 43 00-0589	EA	12" x 6" FRP Bridge Drain Concentric Reducer	1,254.01	151.99
34 05 43 00-0590	EA	12" x 8" FRP Bridge Drain Concentric Reducer	1,260.24	160.47
34 05 43 00-0591	EA	12" x 10" FRP Bridge Drain Concentric Reducer	1,335.95	168.95
34 05 43 00-0592	EA	14" x 8" FRP Bridge Drain Concentric Reducer	2,087.36	177.30
34 05 43 00-0593	EA	14" x 10" FRP Bridge Drain Concentric Reducer	2,114.69	186.24
34 05 43 00-0594	EA	14" x 12" FRP Bridge Drain Concentric Reducer	2,143.42	195.51
34 05 43 00-0595	EA	16" x 12" FRP Bridge Drain Concentric Reducer	2,539.32	205.36
34 05 43 00-0596	EA	18" x 12" FRP Bridge Drain Concentric Reducer	2,883.97	215.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 05 43 00-0597		**FRP Bridge Drain 90 Degree Socket Elbows** *(34 05 43 00-0541)*		
34 05 43 00-0598	EA	6" FRP Bridge Drain 90 Degree Socket Elbow	1,449.90	192.99
34 05 43 00-0599	EA	8" FRP Bridge Drain 90 Degree Socket Elbow	1,702.92	241.32
34 05 43 00-0600	EA	10" FRP Bridge Drain 90 Degree Socket Elbow	2,666.16	289.55
34 05 43 00-0601	EA	12" FRP Bridge Drain 90 Degree Socket Elbow	3,639.35	337.77
34 05 43 00-0602		**FRP Bridge Drain 45 Degree Socket Elbows** *(34 05 43 00-0541)*		
34 05 43 00-0603	EA	6" FRP Bridge Drain 45 Degree Socket Elbow	1,112.79	192.99
34 05 43 00-0604	EA	8" FRP Bridge Drain 45 Degree Socket Elbow	1,465.11	241.32
34 05 43 00-0605	EA	10" FRP Bridge Drain 45 Degree Socket Elbow	1,988.11	289.55
34 05 43 00-0606	EA	12" FRP Bridge Drain 45 Degree Socket Elbow	2,597.00	337.77
34 05 43 00-0607		**FRP Bridge Drain 22-1/2 Degree Socket Elbows** *(34 05 43 00-0541)*		
34 05 43 00-0608	EA	6" FRP Bridge Drain 22-1/2 Degree Socket Elbow	1,958.86	192.99
34 05 43 00-0609	EA	8" FRP Bridge Drain 22-1/2 Degree Socket Elbow	2,253.06	241.32
34 05 43 00-0610	EA	10" FRP Bridge Drain 22-1/2 Degree Socket Elbow	2,606.88	289.55
34 05 43 00-0611	EA	12" FRP Bridge Drain 22-1/2 Degree Socket Elbow	3,039.72	337.77
34 05 43 00-0612		**FRP Bridge Drain Debris Covers** *(34 05 43 00-0541)*		
34 05 43 00-0613	EA	8" x 6" FRP Bridge Drain Debris Cover	872.34	100.57
34 05 43 00-0614	EA	10" x 6" FRP Bridge Drain Debris Cover	897.28	105.60
34 05 43 00-0615	EA	10" x 8" FRP Bridge Drain Debris Cover	930.66	116.37
34 05 43 00-0616	EA	12" x 10" FRP Bridge Drain Debris Cover	976.58	128.28
34 05 43 00-0617	EA	12" x 6" FRP Bridge Drain Debris Cover	913.57	110.87
34 05 43 00-0618	EA	12" x 8" FRP Bridge Drain Debris Cover	957.76	122.21
34 05 43 00-0619	EA	14" x 10" FRP Bridge Drain Debris Cover	1,026.92	134.70
34 05 43 00-0620	EA	14" x 12" FRP Bridge Drain Debris Cover	1,047.68	141.45
34 05 43 00-0621	EA	16" x 12" FRP Bridge Drain Debris Cover	1,118.74	148.55

34 40 Transportation Signaling and Control Equipment *(34)*

34 41 Roadway Signaling and Control Equipment *(34 40)*

34 41 13 Traffic Signals *(34 41)*

34 41 13 00-0001		**Traffic Signals** *(34 41 13)*		
34 41 13 00-0002	EA	Single Traffic Signal Head, 4 Way Pattern	7,940.08	705.22
34 41 13 00-0003		**Traffic Detector Induction Loop** *(34 41 13)*		
34 41 13 00-0004	EA	6' x 6', Type A, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	400.71	
34 41 13 00-0005	EA	6' x 6', Type D, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	499.88	
34 41 13 00-0006	EA	6' x 6', Type D, 5 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 5 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	559.42	
34 41 13 00-0007	EA	6' x 6', Type Q, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	488.63	
34 41 13 00-0008	EA	6' x 20', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	847.87	
34 41 13 00-0009	EA	6' x 28', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,047.17	
34 41 13 00-0010	EA	6' x 28', Type C, 3 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 3 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,108.87	
34 41 13 00-0011	EA	6' x 40', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,406.81	
34 41 13 00-0012	EA	6' x 40', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,497.34	
34 41 13 00-0013	EA	6' x 50', Type C, 1 Turn Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 1 turn wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,607.00	
34 41 13 00-0014	EA	6' x 50', Type C, 2 Turns Per Loop, Traffic Detector Induction Loop Note: Includes saw cutting, 2 turns wire for 1 induction loop circuit, sealing and splicing into leads in street. Excludes lead wire, controller, junction box or conduit.	1,717.55	
34 41 13 00-0015	LF	In Pavement, Lead Wire For Traffic Signal Detector Note: Includes saw cutting, sealing and splicing into traffic signal loop wire in street. Excludes junction box or conduit.	8.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0016	LF	In Earthwork, Lead Wire For Traffic Signal Detector Note: Includes trenching in earthwork and splicing into traffic signal loop wire. Excludes junction box or conduit.	3.69	
34 41 13 00-0017	EA	2 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model 222)	275.08	
34 41 13 00-0018	EA	4 Channel, Rack Mounted, Traffic Loop Vehicle Detector (Reno A&E Model E-1100)	806.42	
34 41 13 00-0019	EA	2 Channel, Rack Mounted, Traffic Loop Bicycle Detector (Reno A&E Model C-1100)	494.66	
34 41 13 00-0020		**Overhead Traffic Signals** *(34 41 13)*		
34 41 13 00-0021	EA	Vehicle Signal Face, LED, 1 - 12" Section	536.83	149.86
34 41 13 00-0022	EA	Vehicle Signal Face, LED, 2 - 12" Sections	890.31	211.57
34 41 13 00-0023	EA	Vehicle Signal Face, LED, 3 - 12" Sections	1,268.42	258.58
34 41 13 00-0024	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Middle Section Blank	1,197.99	258.58
34 41 13 00-0025	EA	Vehicle Signal Face, LED, 4 - 12" Sections	1,632.38	287.97
34 41 13 00-0026	EA	Vehicle Signal Face, LED, 5 - 12" Sections	1,972.86	305.59
34 41 13 00-0027	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Cluster	2,109.02	305.59
34 41 13 00-0028	EA	Vehicle Signal Face, LED, 1 - 8" Section	501.61	149.86
34 41 13 00-0029	EA	Vehicle Signal Face, LED, 2 - 8" Sections	819.88	211.57
34 41 13 00-0030	EA	Vehicle Signal Face, LED, 3 - 8" Sections	1,097.04	258.58
34 41 13 00-0031	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 1 - 12" Section	1,183.91	258.58
34 41 13 00-0032	EA	Vehicle Signal Face, LED, 2 - 8" Sections, 2 - 12" Sections	1,482.13	287.97
34 41 13 00-0033	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 1 - 12" Section	1,432.83	287.97
34 41 13 00-0034	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections	1,714.61	305.59
34 41 13 00-0035	EA	Vehicle Signal Face, LED, 3 - 8" Sections, 2 - 12" Sections In Cluster	1,824.95	305.59
34 41 13 00-0036	EA	Vehicle Signal Face, LED, 3 - 12" Sections, Optically Programmed	2,724.00	258.58
34 41 13 00-0037	EA	Vehicle Signal Face, LED, 4 - 12" Sections, Optically Programmed	3,588.02	287.97
34 41 13 00-0038	EA	Vehicle Signal Face, LED, 5 - 12" Sections, Optically Programmed	4,719.67	305.59
34 41 13 00-0039	EA	Vehicle Signal Face, LED, 5 - 12" Sections In Cluster, Optically Programmed	5,130.51	305.59
34 41 13 00-0040	EA	Bracket Signal Mounting Assembly	530.88	117.54
34 41 13 00-0041	EA	Mast Arm Signal Mounting Assembly	925.59	235.07
34 41 13 00-0042	EA	Top Pole Signal Mounting Assembly	321.86	88.15
34 41 13 00-0043	EA	Pedestrian Signal Head	986.49	176.30
34 41 13 00-0044	EA	Pedestrian Signal Insert	620.02	88.15
34 41 13 00-0045	EA	Audible Pedestrian Signal	1,371.25	
34 41 13 00-0046	EA	Junction Box, Pole Or Post Mounted	580.67	
34 41 13 00-0047	EA	Pedestrian Push Button	503.43	
34 41 13 00-0048	EA	Illuminated Sign, Bracket Mounted, Symbolic	4,330.68	
34 41 13 00-0049	EA	Illuminated Sign, Mast Arm Mounted, Symbolic	4,506.33	
34 41 13 00-0050	EA	Sign, Message, "BLANK OUT", Bracket Mounted	4,788.46	
34 41 13 00-0051	EA	Sign, Message, "BLANK OUT", Mast Arm Mounted	5,081.48	
34 41 13 00-0052	EA	Sign, Fiber Optic, Bracket Mounted	5,483.38	
34 41 13 00-0053	EA	Sign, Fiber Optic, Mast Arm Mounted	5,782.45	
34 41 13 00-0054	EA	30' Type 15TS Signal And Lighting Standard Note: 8" diameter base and 3-7/8" diameter top. 0.1793" wall thickness.	8,192.42	
34 41 13 00-0055	EA	35' Type 21TS Signal And Lighting Standard Note: 9-3/8" diameter base and 3-9/16" diameter top. 0.1793" wall thickness.	9,588.97	
34 41 13 00-0056	EA	17' Type 18-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.1793" wall thickness.	4,516.39	
34 41 13 00-0057	EA	17' Type 18-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-7/16" diameter top. 0.2391" wall thickness.	5,055.59	
34 41 13 00-0058	EA	17' Type 18-4-100 Or 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9" diameter top. 0.2391" wall thickness.	5,262.29	
34 41 13 00-0059	EA	17' Type 23-3-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,262.29	
34 41 13 00-0060	EA	17' Type 23-4-100 Signal And Lighting Standard Note: 12" diameter base and 9-5/8" diameter top. 0.2391" wall thickness.	5,370.81	
34 41 13 00-0061	EA	17' Type 27-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	5,913.40	
34 41 13 00-0062	EA	17' Type 27-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 9-3/4" diameter top. 0.3125" wall thickness.	6,038.17	
34 41 13 00-0063	EA	17' Type 28-5-100 Signal And Lighting Standard Note: 14" diameter base and 11-11/16" diameter top. 0.3125" wall thickness.	6,294.01	
34 41 13 00-0064	EA	17' Type 60-5-100 Signal And Lighting Standard Note: 16" diameter base and 13-11/16" diameter top. 0.3125" wall thickness.	6,696.93	
34 41 13 00-0065	EA	18'-6" Type 16-2-100 Or 16-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 8-1/4" diameter top. 0.1793" wall thickness.	4,833.59	
34 41 13 00-0066	EA	30' Type 17-2-100 Or 17-3-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.1793" wall thickness.	8,758.59	
34 41 13 00-0067	EA	30' Type 19-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 6-5/8" diameter top. 0.2391" wall thickness.	9,890.92	
34 41 13 00-0068	EA	30' Type 19-3-100 Or 24-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-7/8" diameter top. 0.2391" wall thickness.	10,324.98	
34 41 13 00-0069	EA	30' Type 19-4-100 Or 24-4-100 Signal And Lighting Standard Note: 12" diameter base and 8" diameter top. 0.2391" wall thickness.	10,324.98	
34 41 13 00-0070	EA	30' Type 26-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 8" diameter top. 0.3125" wall thickness.	11,692.26	
34 41 13 00-0071	EA	30' Type 26-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 8" diameter top. 0.3125" wall thickness.	12,216.40	
34 41 13 00-0072	EA	30' Type 29-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-7/8" diameter top. 0.3125" wall thickness.	12,766.72	
34 41 13 00-0073	EA	30' Type 61-5-100 Signal And Lighting Standard Note: 16" diameter base and 11-7/8" diameter top. 0.3125" wall thickness.	13,633.51	
34 41 13 00-0074	EA	35' Type 17A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.1793" wall thickness.	10,189.56	

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34 41 13 00-0075	EA	35' Type 19A-2-100 Signal And Lighting Standard Note: 10-3/4" diameter base and 5-15/16" diameter top. 0.2391" wall thickness.	11,510.61	
34 41 13 00-0076	EA	35' Type 19A-3-100 Or 24A-3-100 Signal And Lighting Standard Note: 12" diameter base and 7-3/16" diameter top. 0.2391" wall thickness.	12,017.03	
34 41 13 00-0077	EA	35' Type 19A-4-100 Or 24A-4-100 Signal And Lighting Standard Note: 12" diameter base and 7-5/16" diameter top. 0.2391" wall thickness.	12,017.03	
34 41 13 00-0078	EA	35' Type 26A-3-100 Signal And Lighting Standard Note: 12-1/8" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	13,612.18	
34 41 13 00-0079	EA	35' Type 26A-4-100 Signal And Lighting Standard Note: 13-1/2" diameter base and 7-5/16" diameter top. 0.3125" wall thickness.	14,223.67	
34 41 13 00-0080	EA	35' Type 29A-5-100 Signal And Lighting Standard Note: 14" diameter base and 9-3/16" diameter top. 0.3125" wall thickness.	14,865.72	
34 41 13 00-0081	EA	35' Type 61A-5-100 Signal And Lighting Standard Note: 16" diameter base and 11" diameter top. 0.3125" wall thickness.	15,876.95	
34 41 13 00-0082	EA	14' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	3,977.19	
34 41 13 00-0083	EA	21' High Galvanized Steel Traffic Signal Pole Note: For mast arm.	6,205.90	
34 41 13 00-0084	EA	22' High Galvanized Steel Traffic Signal Pole Note: For mast arm and luminare arm.	6,457.53	
34 41 13 00-0085	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For >55' Mast Arm Note: For mast arm and luminare arm.	8,753.68	
34 41 13 00-0086	EA	32' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm Note: For mast arm and luminare arm.	9,369.23	
34 41 13 00-0087	EA	30' High Galvanized Steel Traffic Signal Pole, Tapered, For Up To 55' Mast Arm	7,206.41	
34 41 13 00-0088	EA	30' High Galvanized Steel Traffic Signal Pole, Octaflute	6,387.07	
34 41 13 00-0089	EA	30' (High Spun Aluminum Traffic Signal Pole, Tapered	5,147.80	
34 41 13 00-0090	EA	Type 26-6-70 Signal Pole With 55' SMA And 20' LMA	25,661.02	
34 41 13 00-0091	EA	Type 29-6-70 Signal Pole With 65' SMA And 20' LMA	29,517.11	
34 41 13 00-0092	EA	15' Steel Straight Mast Arm, MONOTUBE	3,164.49	
34 41 13 00-0093	EA	20' Steel Straight Mast Arm, MONOTUBE	3,318.32	
34 41 13 00-0094	EA	25' Steel Straight Mast Arm, MONOTUBE	3,567.65	
34 41 13 00-0095	EA	30' Steel Straight Mast Arm, MONOTUBE	4,920.34	
34 41 13 00-0096	EA	35' Steel Straight Mast Arm, MONOTUBE	5,970.44	
34 41 13 00-0097	EA	40' Steel Straight Mast Arm, MONOTUBE	6,423.63	
34 41 13 00-0098	EA	45' Steel Straight Mast Arm, MONOTUBE	7,044.47	
34 41 13 00-0099	EA	50' Steel Straight Mast Arm, MONOTUBE	8,000.00	
34 41 13 00-0100	EA	55' Steel Straight Mast Arm, MONOTUBE	9,071.21	
34 41 13 00-0101	EA	60' Steel Straight Mast Arm, MONOTUBE	9,729.54	
34 41 13 00-0102	EA	65' Steel Straight Mast Arm, MONOTUBE	11,304.34	
34 41 13 00-0103	EA	4' Steel Curved Luminaire Mast Arm	1,065.96	
34 41 13 00-0104	EA	6' Steel Curved Luminaire Mast Arm	1,392.33	
		For High Rise Arm, Add	*134.80*	
34 41 13 00-0105	EA	8' Steel Curved Luminaire Mast Arm	1,742.20	
34 41 13 00-0106	EA	10' Steel Curved Luminaire Mast Arm	2,330.52	
		For High Rise Arm, Add	*198.43*	
34 41 13 00-0107	EA	12' Steel Curved Luminaire Mast Arm	2,600.28	
		For High Rise Arm, Add	*234.02*	
34 41 13 00-0108	EA	15' Steel Curved Luminaire Mast Arm	2,747.50	
		For High Rise Arm, Add	*260.97*	
34 41 13 00-0109	EA	20' Steel Curved Luminaire Mast Arm	3,149.37	
		For High Rise Arm, Add	*311.66*	
34 41 13 00-0110	EA	15' Tubular Aluminum Post	1,112.98	
34 41 13 00-0111	EA	17' Tubular Aluminum Post	1,178.82	
34 41 13 00-0112	EA	20' Tubular Aluminum Post	1,304.16	
34 41 13 00-0113	EA	CUT-OFF POLE AND CAPPED	168.36	
34 41 13 00-0114	EA	PAINT EXISTING SL/TS CONTROLLER COMPLETE	51.43	
34 41 13 00-0115	EA	PAINT EXISTING TS POST COMPLETE	238.53	
34 41 13 00-0116	EA	1 Channel Loop Detector Amplifier	1,871.56	
34 41 13 00-0117	EA	4 Channel Loop Detector Amplifier	3,588.14	
34 41 13 00-0118	EA	FLASHING BEACON WITH DOWNLIGHT	2,460.42	
34 41 13 00-0119	EA	Flashing Beacon, Bracket Mounted	756.23	
34 41 13 00-0120	EA	Flashing Beacon, Mast Arm Mounted	756.23	
34 41 13 00-0121	EA	Flashing Beacon, Solar Powered, Bracket Mounted	23,023.12	
34 41 13 00-0122	EA	Wireless Access Point (Proxim Tsunami MP11 954-BSUR-US)	4,257.39	
34 41 13 00-0123	EA	Ruggedized Subscriber Unit (Proxim Tsunami MP11 954-SUA-US)	2,275.75	
34 41 13 00-0124	EA	Smart Sensor HD (Wavetronix HD125)	12,211.38	
34 41 13 00-0125	EA	Access Point (Sensys AP240-ES) Note: RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality.	5,634.57	
34 41 13 00-0126	EA	Sensys Access Point AP240-ESC-VER - RJ45 port supports simultaneous Ethernet and CC card communications (split via Access Box) combined with data relay, statistics-processing and VPN functionality with Integrated 1xRTT cellular data modem for data relay via CDMA	9,762.48	
34 41 13 00-0127	EA	Mounting Kit for Access Points and Repeaters (KIT-MTG)	334.38	
34 41 13 00-0128	EA	Repeater (Sensys RP240-B-LL) Note: Nominal battery capacity of 171 Ah with seven (7) year battery-life.	2,580.49	
34 41 13 00-0129	EA	Wireless Flush Mounted Sensor (Sensys VSN240-F) Note: Excludes coring.	1,136.55	
34 41 13 00-0130	EA	Sensor Mounting Bracket, Cable, Lightning Surge Protector, Power Supply, Breaker, AC Surge Protector, Din Rail and Power Plug	2,828.63	
34 41 13 00-0131	EA	Pole Base Foundation for 17-2-80, 17-2-100, 19-2-80 Poles	7,657.74	1.49
34 41 13 00-0132	EA	Pole Base Foundation for 17-3-80, 19-3-80, 26-3-80 And 26-4-80 Poles	10,017.91	1.49
34 41 13 00-0133	EA	Pole Base Foundation for Type 15 and 21 Poles	5,979.01	1.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0134	EA	Pole Base Foundation for 18-4-100, 19-4-100, 23-4-100, And 24-4-100 Poles	7,657.74	1.49
34 41 13 00-0135	EA	Pole Base Foundation for 26-4-100 And 27-4-100 Poles	10,017.91	1.49
34 41 13 00-0136	EA	LED Enhanced Pedestrian Crossing Symbol Sign Note: 2 required per system.	1,973.64	93.22
34 41 13 00-0137	EA	42" Height, 8-1/2" Diameter Automatic Bollard Activation System Note: 4 required per system.	5,600.95	559.32
34 41 13 00-0138	EA	Power Control Unit With Enclosure (Solar) Note: LightGuard Systems solar power equipment Includes: one solar array consisting of 1 Siemens SP70 solar power module (21" x 47" to be pole mounted, pole not included), #14 AWG solar tray cable, mounting hardware, one enclosure (16-1/2" width x 27-1/2" height x 15" depth), two 12V 80AH deep cycle gel cell batteries and a solar power control unit (PCU).	20,614.84	372.88
34 41 13 00-0139	EA	Power Control Unit With Enclosure (A/C)	13,144.56	372.88
34 41 13 00-0140	EA	Push Button Assembly With Sign	1,070.31	186.44
34 41 13 00-0141	EA	Advanced Warning Signs	2,217.20	186.44
34 41 13 00-0142	EA	Traffic Signal Controller Unit, TS 2 Type 1 (ASC/3-1000)	6,340.59	
34 41 13 00-0143	EA	Traffic Signal Controller Unit, TS 2 Type 2 (ASC/3-2100)	6,540.14	
34 41 13 00-0144	EA	Traffic Signal Controller Unit, TS 2 Type 2 Econolite Model ASC/2S-2100	61,042.00	
34 41 13 00-0145	EA	Traffic Signal Controller Unit, Replacement For Type 170E (ASC/3RM)	6,810.13	940.28
34 41 13 00-0146	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 1 Way	1,163.05	
34 41 13 00-0147	EA	Optical Detector For Mast Arm Mounting, 1 Channel, 2 Way	1,280.44	
34 41 13 00-0148	EA	Optical Detector For Mast Arm Mounting, 2 Channel	1,665.46	
34 41 13 00-0149	EA	2 Channel Phase Selector	3,983.42	
34 41 13 00-0150	EA	4 Channel Phase Selector	6,201.99	
34 41 13 00-0151	EA	Malfunction Management Unit For Use With NEMA Controller	1,980.21	
34 41 13 00-0152	EA	Malfunction Management Unit For Use With Type 170E Or 2070 Controller	1,980.21	51.02
34 41 13 00-0153	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 1 Way	1,163.05	204.10
34 41 13 00-0154	EA	Optical Detector For Pole-Side Mounting, 1 Channel, 2 Way	1,280.44	204.10
34 41 13 00-0155	EA	Optical Detector For Pole-Side Mounting, 2 Channel	1,665.46	204.10
34 41 13 00-0156	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 1 Way	1,163.05	204.10
34 41 13 00-0157	EA	Optical Detector For Pedestal Or Pipe Mounting, 1 Channel, 2 Way	1,280.44	204.10
34 41 13 00-0158	EA	Optical Detector For Pedestal Or Pipe Mounting, 2 Channel	1,665.46	204.10
34 41 13 00-0159	EA	Optical Detector For Span Wire Mounting, 1 Channel, 1 Way	1,163.05	204.10
34 41 13 00-0160	EA	Optical Detector For Span Wire Mounting, 1 Channel, 2 Way	1,280.44	204.10
34 41 13 00-0161	EA	Optical Detector For Span Wire Mounting, 2 Channel	1,665.46	204.10
34 41 13 00-0162	EA	Optical Detector For Signal Top Mounting, 1 Channel, 1 Way	1,163.05	204.10
34 41 13 00-0163	EA	Optical Detector For Signal Top Mounting, 1 Channel, 2 Way	1,280.44	204.10
34 41 13 00-0164	EA	Optical Detector For Signal Top Mounting, 2 Channel	1,665.46	204.10
34 41 13 00-0165	EA	Time Switch, 1-Circuit	239.75	
34 41 13 00-0166	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Normal	396.45	
34 41 13 00-0167	EA	Digital Loop-Type Vehicle Detector Card, 2-Channel, Stretch/Delay	520.87	
34 41 13 00-0168	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Normal	743.91	
34 41 13 00-0169	EA	Digital Loop-Type Vehicle Detector Card, 4-Channel, Stretch/Delay	936.42	
34 41 13 00-0170	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply	2,556.33	
34 41 13 00-0171	EA	Digital Loop-Type Vehicle Detector Card Rack With Power Supply For Remote Detector Cabinet	2,556.33	
34 41 13 00-0172	EA	Power Line Surge Protector - Edco SHP 300-10	232.21	
34 41 13 00-0173	EA	Loop Detector Surge Protector - Edco SRA-6LC	115.91	
34 41 13 00-0174	EA	Controller Cabinet (Econolite Type "O")	34,753.20	
34 41 13 00-0175	EA	Controller Cabinet With 1 Detector Rack And 1 Load Switch Bay	14,851.75	
34 41 13 00-0176	EA	Controller Cabinet With 1 Detector Rack And 2 Load Switch Bays	16,189.93	
34 41 13 00-0177	EA	Controller Cabinet With 2 Detector Racks And 1 Load Switch Bay	17,798.11	
34 41 13 00-0178	EA	Controller Cabinet With 2 Detector Racks And 2 Load Switch Bays	18,291.13	
34 41 13 00-0179	EA	Speed Limit Beacon Control Option	6,574.47	352.61
34 41 13 00-0180	EA	Speed Limit Beacon Control Cabinet	7,279.67	
34 41 13 00-0181	EA	Remote Detector Cabinet	3,640.74	
34 41 13 00-0182	EA	Traffic Signal Hand Control	1,056.77	
34 41 13 00-0183	EA	Extra Pedestrian Detector Isolation Assembly	821.99	
34 41 13 00-0184	EA	Fiber Optic Transceivers-Repeater Module	1,065.75	
34 41 13 00-0185	EA	Field Transceiver-Repeater	531.19	
34 41 13 00-0186	EA	Load Switch	106.87	
34 41 13 00-0187	EA	30" Pedestal With Base Plate And Cover	928.55	
34 41 13 00-0188	EA	42" Pedestal With Base Plate And Cover (Push Button Pedestal)	1,092.82	107.20
34 41 13 00-0189	EA	8' Pedestal With Base Plate And Cover	1,377.24	
34 41 13 00-0190	EA	11' Pedestal With Base Plate And Cover	1,533.95	
34 41 13 00-0191	EA	15' Pedestal With Base Plate And Cover	1,700.36	
34 41 13 00-0192	EA	16' Pedestal With Base Plate And Cover	1,798.18	155.68
34 41 13 00-0193	LF	6-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.51	
34 41 13 00-0194	LF	12-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.61	
34 41 13 00-0195	LF	24-Fiber Interconnect Cable, Fiber Optic, Single Mode	1.96	
34 41 13 00-0196	LF	36-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.33	
34 41 13 00-0197	LF	48-Fiber Interconnect Cable, Fiber Optic, Single Mode	2.69	
34 41 13 00-0198	LF	72-Fiber Interconnect Cable, Fiber Optic, Single Mode	3.38	
34 41 13 00-0199	LF	96-Fiber Interconnect Cable, Fiber Optic, Single Mode	4.02	
34 41 13 00-0200	LF	144-Fiber Interconnect Cable, Fiber Optic, Single Mode	5.32	
34 41 13 00-0201	LF	3/16" Diameter Messenger Cable	0.70	0.11
34 41 13 00-0202	LF	1/4" Diameter Messenger Cable	0.84	0.11
34 41 13 00-0203	LF	3/8" Diameter Messenger Cable	1.56	0.11
34 41 13 00-0204	LF	1/2" Diameter Messenger Cable	3.25	0.23
34 41 13 00-0205	EA	4' Diameter x 10' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	2,988.19	
34 41 13 00-0206	EA	4' Diameter x 16' Concrete Base For Poles Note: Includes drilling in earth, rebar, bolts, forms for exposed base, bolts and concrete.	4,725.75	
34 41 13 00-0207	EA	Internally Illuminated Street Name Sign, 1 Line, 4'	2,911.75	235.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0208	EA	Internally Illuminated Street Name Sign, 1 Line, 6'	3,592.74	293.84
34 41 13 00-0209	EA	Internally Illuminated Street Name Sign, 1 Line, 8'	3,898.09	352.61
34 41 13 00-0210	EA	Internally Illuminated Street Name Sign, 1 Line, 10'	4,391.25	411.38
34 41 13 00-0211	EA	Internally Illuminated Street Name Sign, 1 Line, 12'	4,696.60	470.14
34 41 13 00-0212	EA	Internally Illuminated Street Name Sign, 2 Line, 4'	4,686.61	235.07
34 41 13 00-0213	EA	Internally Illuminated Street Name Sign, 2 Line, 6'	5,771.40	293.84
34 41 13 00-0214	EA	Internally Illuminated Street Name Sign, 2 Line, 8'	6,208.23	352.61
34 41 13 00-0215	EA	Internally Illuminated Street Name Sign, 2 Line, 10'	6,926.77	411.38
34 41 13 00-0216	EA	Internally Illuminated Street Name Sign, 2 Line, 12'	7,419.93	470.14
34 41 13 00-0217	EA	Photoelectric Controller, Multi-Volt	88.28	26.53
34 41 13 00-0218	EA	Photoelectric Controller, 120 Volt	91.79	26.53
34 41 13 00-0219	EA	Photoelectric Controller, 480 Volt	91.79	26.53
34 41 13 00-0220	EA	Wi-Fi Communication Unit	1,523.96	117.54
34 41 13 00-0221	EA	Wi-Fi Communication Unit Mounting Bracket	293.68	88.15
34 41 13 00-0222	EA	Wi-Fi Communication Unit Power Supply / POE Injector	279.53	58.77
34 41 13 00-0223	EA	Wi-Fi Communication Unit Packet	2,097.17	176.30
34 41 13 00-0224	LF	Preemptor Detector Cable	1.54	
34 41 13 00-0225	EA	Sno-Shoe Cable Storage Assembly	264.46	
34 41 13 00-0226	EA	Service Equipment Enclosure, Type III-AF	1,457.32	
34 41 13 00-0227	EA	12", 3 Section Signal, Mast Arm Mounted	1,509.78	
34 41 13 00-0228	EA	8", 3 Section Signal, Mast Arm Mounted	1,344.53	
34 41 13 00-0229	EA	12" FCV Visor	101.12	
34 41 13 00-0230	EA	8" FCV Visor	69.82	
34 41 13 00-0231	EA	Eggcrate Visor	97.25	
34 41 13 00-0232	EA	Pedestrian H/M	1,049.61	
34 41 13 00-0233	EA	Pedestrian Audio	1,164.95	
34 41 13 00-0234	EA	Adjustable Pushbutton	267.32	
34 41 13 00-0235	EA	ADA Cap And Switch	353.49	
34 41 13 00-0236	EA	3 Section 12" Backplate	161.30	
34 41 13 00-0237	EA	3 Section 12" MAS Mount Backplate	237.29	
34 41 13 00-0238	EA	3 Section 8" Backplate	128.74	
34 41 13 00-0239	EA	12" Red LED Lenses	276.66	
34 41 13 00-0240	EA	12" Amber LED Lenses	298.20	
34 41 13 00-0241	EA	12" Green LED Lenses	534.55	
34 41 13 00-0242	EA	12" Red Arrow	274.92	
34 41 13 00-0243	EA	12" Amber Arrow	259.15	
34 41 13 00-0244	EA	12" Green Arrow	397.39	
34 41 13 00-0245	EA	8" Red	271.73	
34 41 13 00-0246	EA	8" Amber	260.08	
34 41 13 00-0247	EA	8" Green	317.58	
34 41 13 00-0248	EA	Hand/Man	483.01	
34 41 13 00-0249	EA	Frameworks, 8" TV-1-T	587.98	
34 41 13 00-0250	EA	Frameworks, 8" TV-2-T	671.68	
34 41 13 00-0251	EA	Frameworks, MAT MT	172.15	
34 41 13 00-0252	EA	Frameworks, MAS MT	188.89	
34 41 13 00-0253	EA	Frameworks, 3W PT TC	402.13	
34 41 13 00-0254	EA	Frameworks, 2W PT TC	379.01	
34 41 13 00-0255	EA	Frameworks, 2W SM TC	356.69	
34 41 13 00-0256	EA	Frameworks, SV-1	234.50	
34 41 13 00-0257	EA	Frameworks, TV-1	226.13	
34 41 13 00-0258	EA	Type III Service Pedestal	4,743.70	
34 41 13 00-0259	EA	Single Fuse Holder	41.37	
34 41 13 00-0260	EA	Double Fuse Holder	111.64	
34 41 13 00-0261	EA	Pullbox, 1-1/2" x 20" x 14"	93.88	
34 41 13 00-0262	EA	Pullbox, 5" x 28" x 18"	129.24	
34 41 13 00-0263	EA	Pullbox, 6" x 36" x 23"	169.10	
34 41 13 00-0264	EA	Pullbox Lids, FL9D	110.87	
34 41 13 00-0265	EA	Pullbox Lids, FL30D	210.06	
34 41 13 00-0266	EA	Pullbox Lids, FL36D	53.89	

34 41 13 00-0267 Traffic Signal Cable *(34 41 13)*

34 41 13 00-0268	LF	16 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.06	0.82
34 41 13 00-0269	LF	16 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.38	0.88
34 41 13 00-0270	LF	16 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.67	0.93
34 41 13 00-0271	LF	16 AWG, 5-Conductor, Solid, Traffic Signal Cable	2.94	0.99
34 41 13 00-0272	LF	16 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.29	1.05
34 41 13 00-0273	LF	16 AWG, 8-Conductor, Solid, Traffic Signal Cable	3.90	1.17
34 41 13 00-0274	LF	16 AWG, 10-Conductor, Solid, Traffic Signal Cable	4.63	1.34
34 41 13 00-0275	LF	16 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.35	1.52
34 41 13 00-0276	LF	16 AWG, 16-Conductor, Solid, Traffic Signal Cable	6.47	1.69
34 41 13 00-0277	LF	16 AWG, 20-Conductor, Solid, Traffic Signal Cable	7.84	1.87
34 41 13 00-0278	LF	14 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.17	0.82
34 41 13 00-0279	LF	14 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.53	0.88
34 41 13 00-0280	LF	14 AWG, 4-Conductor, Solid, Traffic Signal Cable	2.87	0.93
34 41 13 00-0281	LF	14 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.18	0.99
34 41 13 00-0282	LF	14 AWG, 6-Conductor, Solid, Traffic Signal Cable	3.59	1.05
34 41 13 00-0283	LF	14 AWG, 8-Conductor, Solid, Traffic Signal Cable	4.29	1.17
34 41 13 00-0284	LF	14 AWG, 10-Conductor, Solid, Traffic Signal Cable	5.11	1.34
34 41 13 00-0285	LF	14 AWG, 12-Conductor, Solid, Traffic Signal Cable	5.93	1.52
34 41 13 00-0286	LF	14 AWG, 16-Conductor, Solid, Traffic Signal Cable	7.24	1.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0287	LF	14 AWG, 20-Conductor, Solid, Traffic Signal Cable	8.86	1.87
34 41 13 00-0288	LF	12 AWG, 2-Conductor, Solid, Traffic Signal Cable	2.43	0.82
34 41 13 00-0289	LF	12 AWG, 3-Conductor, Solid, Traffic Signal Cable	2.91	0.88
34 41 13 00-0290	LF	12 AWG, 4-Conductor, Solid, Traffic Signal Cable	3.35	0.93
34 41 13 00-0291	LF	12 AWG, 5-Conductor, Solid, Traffic Signal Cable	3.75	0.99
34 41 13 00-0292	LF	12 AWG, 6-Conductor, Solid, Traffic Signal Cable	4.31	1.05
34 41 13 00-0293	LF	12 AWG, 8-Conductor, Solid, Traffic Signal Cable	5.23	1.17
34 41 13 00-0294	LF	12 AWG, 10-Conductor, Solid, Traffic Signal Cable	6.27	1.34
34 41 13 00-0295	LF	12 AWG, 12-Conductor, Solid, Traffic Signal Cable	7.31	1.52
34 41 13 00-0296	LF	12 AWG, 16-Conductor, Solid, Traffic Signal Cable	9.09	1.69
34 41 13 00-0297	LF	12 AWG, 20-Conductor, Solid, Traffic Signal Cable	11.33	1.87

34 41 13 00-0298 School Zone Flasher Beacons *(34 41 13)*

34 41 13 00-0299	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,152.39	175.16
34 41 13 00-0300	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.	6,196.99	175.16
34 41 13 00-0301	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	6,954.20	175.16
34 41 13 00-0302	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	7,096.93	175.16
34 41 13 00-0303	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.	13,124.71	175.16
34 41 13 00-0304	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.	13,684.04	175.16

34 41 13 00-0305 Traffic Light Control Synchronization *(34 41 13)*

34 41 13 00-0306	EA	ENCOM COMPAK IP Radio/Wireless Ethernet Transceiver, 900 MHz FHSS 1 Watt output power and 128-bit data encryption with 1.1Mbps Throughput	5,306.49	
34 41 13 00-0307	EA	ENCOM 5200R 900 MHz Serial Radio Modem, contains one Serial (RS-232 or RS-485) interface and 170/TS1/TS2 detector rack (EPR-5200R)	3,927.64	
34 41 13 00-0308	EA	ENCOM Dual 2.4/2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24/24)	8,790.55	
34 41 13 00-0309	EA	5.8 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB58INT)	6,095.96	
34 41 13 00-0310	EA	2.4 GHZ Broadband Radio with Integrated Antenna (COMMPAKBB24INT)	6,095.96	
34 41 13 00-0311	EA	Solar Cabinet Assembly	16,124.35	
34 41 13 00-0312	EA	Data Controller Interface Cable Assembly	615.00	
34 41 13 00-0313	EA	900 MHZ Splitter	770.80	
34 41 13 00-0314	EA	900 MHz Surge Suppressor	281.25	
34 41 13 00-0315	EA	Surge-Radio Lead in Cable	177.20	
34 41 13 00-0316	EA	12DB GAIN YAGI Antenna	755.75	
34 41 13 00-0317	EA	PELCO Antenna Mounting Bracket	483.64	
34 41 13 00-0318	MLF	Coaxial Cable, LMR-400	4,281.72	
34 41 13 00-0319	EA	Perle 16 Port Serial Server	4,101.36	
34 41 13 00-0320	EA	Serial to Ethernet Card	2,320.78	
34 41 13 00-0321	EA	404 Stand-Alone Modem (GDI 404)	2,163.22	

34 41 13 00-0322 Traffic Signal Controls *(34 41 13)*

34 41 13 00-0323	EA	Master Card for Type 2070 or NEMA TS2 traffic controllers (CC-TS2)	1,805.37	
34 41 13 00-0324	EA	Extension Card for Type 2070 or NEMA traffic controllers (EX-TS2)	798.74	
34 41 13 00-0325	EA	Access Box for contract closure master card (CC-ACC)	278.69	
34 41 13 00-0326	EA	Flush Mount Wireless Sensor (ATT VSN240-F)	1,068.10	
34 41 13 00-0327	EA	Flush Mount Wireless Sensor (Speed And Count VSN240-F)	1,068.10	
34 41 13 00-0328	EA	Epoxy Tube for Installation of Wireless Sensor (VSN240-EPX)	163.61	
34 41 13 00-0329	EA	SNAPS License for each enabled AP (SNAPS-PER-AP)	457.94	

34 41 13 00-0330 Traffic Signal Devices *(34 41 13)*

34 41 13 00-0331	EA	12" Polycarbonate Signal Head Housing (McCain)	971.36	83.90
34 41 13 00-0332	EA	16" Polycarbonate Pedestrian Signal Housing (McCain)	482.06	65.26
34 41 13 00-0333	EA	Pedestrian Push Button Cap And Switch (McCain M31334)	322.73	121.19
34 41 13 00-0334	EA	Pedestrian Push Button Frame Assembly 4" Diameter Pole (McCain M19712)	434.60	177.11
34 41 13 00-0335	EA	Pedestrian Push Button Frame Assembly 2" Diameter Pole (McCain M30793)	331.89	139.83
34 41 13 00-0336	EA	16 Channel Conflict Monitor (McCain 2010 ECLip)	1,497.29	60.59
34 41 13 00-0337	EA	LED Countdown Head (McCain GTX PS7-CFF1-VLA)	301.74	23.30
34 41 13 00-0338	EA	Traffic signal Video Detection Camera (Iteris RZ4-awdr)	3,409.29	102.54
34 41 13 00-0339	EA	Camera processor card (Iteris Edge Connect)	7,831.69	149.15
34 41 13 00-0340	EA	Wireless Broadband Radio (Encom BB58)	7,396.19	139.83
34 41 13 00-0341	EA	24-port Gigabit and 4-port 1G/10G SFP+ Ethernet Switch (Etherwan EX77900)	4,874.32	111.87
34 41 13 00-0342	EA	Power Adapter (Mean Well DR-120-48)	153.50	34.96
34 41 13 00-0343	LF	14/1 Cal Trans Type 2 Inductive Traffic Detection Loops (Advanced Digital Cable 8452)	0.83	
34 41 13 00-0344	EA	Radar Detection System (Wavetronix Matrix)	13,990.64	354.24
34 41 13 00-0345	EA	Pedestrian Audio Push Button (Polara APS)	377.56	88.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 13 00-0346	EA	Opticom Infrared System - Detector (GTT 711)	1,062.27	83.15
34 41 13 00-0347	EA	Opticom Infrared System - Detector (GTT 721)	1,188.51	93.03
34 41 13 00-0348	EA	Opticom Infrared System - Detector (GTT 722)	1,655.34	129.58
34 41 13 00-0349	EA	Opticom Multimode Phase Selector (GTT 764)	5,679.85	76.68
34 41 13 00-0350	LF	Opticom GPS Installation Cable (GTT 1070)	1.00	
34 41 13 00-0351	EA	Precast Concrete Traffic Pull Box, 5-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1324)	930.29	
34 41 13 00-0352	EA	Precast Concrete Traffic Pull Box, 6-T, with steel frame and diamond steel plate lid ("Traffic Signal") (Jensen Precast HT1730)	986.92	
34 41 13 00-0353	EA	UPS Module (Alpha Technologies FXM 350) Note: For battery backup in traffic signal control cabinet	1,524.23	51.02
34 41 13 00-0354	EA	Web Connected Relay Switch (Control by Web X-301 WebRelay-Dual) Note: To control flashing "School" signs	465.49	41.95
34 41 13 00-0355	LF	Fiber optic cable, 72 strand, single mode, riser non-plenum jacket (Optical Cable Corp DX072DSLX9KR)	10.75	0.43
34 41 13 00-0356	LF	Fiber optic cable, 12 strand, multi mode, riser non-plenum jacket (Superior Essex W30126G01 MM Fiber)	2.48	0.37
34 41 13 00-0357	EA	12" LED Signal Module, Tinted Lens, Red (GE DR6-RTFB-VLA)	126.16	41.95
34 41 13 00-0358	EA	12" LED Signal Module, Tinted Lens, Yellow (GE DR6-YTFB-VLA)	126.16	41.95
34 41 13 00-0359	EA	12" LED Signal Module, Tinted Lens, Green (GE DR6-GTFB-VLA)	126.16	41.95
34 41 13 00-0360	EA	12" LED Signal Module, Clear Lens, Red (GE DR6-RCFB-VLA)	126.16	41.95
34 41 13 00-0361	EA	12" LED Signal Module, Clear Lens, Yellow (GE DR6-YCFB-VLA)	126.16	41.95
34 41 13 00-0362	EA	12" LED Signal Module, Clear Lens, Green (GE DR6-GCFB-VLA)	126.16	41.95
34 41 13 00-0363	EA	LED Countdown Pedestrian Signal, 16" x 18" (GE PS7-CFF1-VLA)	379.87	107.20
34 41 13 00-0364	EA	EOC Switch (Actellis ML688)	5,494.87	331.65
34 41 13 00-0365	EA	Ethernet Extender Kit (ENABLE-IT 860 Pro)	1,487.32	76.53
34 41 13 00-0366	EA	#5 pull box lid (Concrete, Bolt down) (Christy N30T)	118.68	23.64
34 41 13 00-0367	EA	#5 pull box lid (Steel, Bolt down) (Christy N30-61J)	433.79	34.21
34 41 13 00-0368	EA	#6 pull box lid (Concrete, Bolt down) (Christy N36T)	148.64	23.64
34 41 13 00-0369	EA	#6 pull box lid (Steel, Bolt down) (Christy N36-61J)	526.51	34.21
34 41 13 00-0370	EA	Battery Back-up (Alpha FXM110 UPS)	3,621.46	102.05
34 41 13 00-0371	EA	Battery (Alpha AlphaCell 220GXL)	506.66	25.51
34 41 13 00-0372	EA	BBS Cabinet (Alpha SE48-1616)	4,104.38	229.60
34 41 13 00-0373	LF	Fiber 72 Strands (Corning 072ZU4-T3F22D20)	5.35	1.99
34 41 13 00-0374	LF	Fiber 12 Strands (Corning 012ZU4-T3F22D20)	2.33	0.92
34 41 13 00-0375	EA	FDU And Splice Cassette with LC connector type (Corning CCH-01U, CCH-CS12-B3-P00RE)	1,272.31	76.53
34 41 13 00-0376	EA	12" THREE SECTION HOUSING (McCain M22435)	876.65	51.02
34 41 13 00-0377	EA	12" FOUR SECTION HOUSING (McCain M30883)	1,121.32	76.53
34 41 13 00-0378	EA	12" FIVE SECTION HOUSING (McCain M31769)	1,314.97	76.53
34 41 13 00-0379	EA	12" CLUSTER, WITHOUT MAS (McCain M30987)	1,411.79	76.53
34 41 13 00-0380	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	876.65	51.02
34 41 13 00-0381	EA	NAVIGATOR iN2 APS 2 WIRE PPB #iN250N0-B (Polara iN250N0-B)	876.65	51.02
34 41 13 00-0382	EA	NAVIGATOR iN2 CONTROLLER RACK MOUNT iCCU-C (Polara iCCU-C)	5,198.41	178.58
34 41 13 00-0383	EA	NAVIGATOR iN2 INTERCONNECT BOARD iN2-ICB-C (Polara iN2-ICB-C)	244.67	25.51
34 41 13 00-0384	EA	NAVIGATOR iN2 POWER SUPPLY iN2-150-WPS-C (Polara iN2-150-WPS-C)	244.67	25.51
34 41 13 00-0385	EA	NAVIGATOR iN2 CONNECTOR iN2-C4CABLE-C (Polara iN2-c4cable-C)	560.65	38.27
34 41 13 00-0386	EA	12" Visor (McCain M19302)	39.77	10.21
34 41 13 00-0387	EA	LS,2202-HV (iPack), HDSP/FLASHER UNIT,ATC (McCain M36256)	463.83	38.27
34 41 13 00-0388	EA	SIU,2218 SERIAL INTERFACE UNIT,ATC (McCain M36258)	779.83	51.02
34 41 13 00-0389	EA	CMU,2212-HV (ip),32 CH W/ ETHERNET PORT, ATC (McCain M36259)	1,460.21	76.53
34 41 13 00-0390	EA	ATCC-HV, INPUT ASSEMBLY, 24 CH W/ CONN IDC26 (McCain M54487)	779.83	51.02
34 41 13 00-0391	EA	HARN, SB1/SB2,COMM EXTENSION (McCain M48062)	147.84	25.51
34 41 13 00-0392	EA	ATCC-HV/LV, FITA ASSEMBLY, 24CH (McCain M54489)	463.83	38.27
34 41 13 00-0393	EA	CMU DATAKEY PROGRAMMER, EDI MONITORKEY-USB (McCain M84650)	876.65	51.02
34 41 13 00-0394	EA	242L ISOLATOR, EDI (McCain M56812)	147.84	25.51
34 41 13 00-0395	EA	EDI 222 DETECTOR (McCain M11407)	196.26	25.51
34 41 13 00-0396	EA	ALPHA BBS, INVERTER AND BYPASS SWITCH (McCain M59763)	3,547.17	127.55
34 41 13 00-0397	EA	GENERATOR SWITCH AND PLUG ASS'Y FOR ALPHA BBS (McCain M68752-2)	566.81	51.02
34 41 13 00-0398	EA	BBS BATTERY, ALPHACELL 165GXL (McCain M59884)	779.83	51.02
34 41 13 00-0399	EA	Battery Backup Cabinet Anondize 44x26x12 (McCain M64438A)	1,653.86	76.53

34 41 16 Traffic Control Equipment *(34 41)*

34 41 16 00-0001 Transportation Control Equipment *(34 41 16)*

34 41 16 00-0002	EA	CONTROLLER/SL/POLE MTD/1-PHASE/100A	11,419.02	812.41
34 41 16 00-0003	EA	CONTROLLER/SL/ON EMB POLE 1-PH/100A	11,512.62	859.18
34 41 16 00-0004	EA	CONTROLLER, SL, 3-PHASE, 100A, BASE MTD	14,183.54	869.29
34 41 16 00-0005	EA	CONTROLLER, SL, 3-PHASE, 200A, BASE MTD	16,841.99	1,055.47
34 41 16 00-0006	EA	CONTROLLER/SL/BASE MTD/1-PHASE/100A	14,144.04	520.69
34 41 16 00-0007	EA	CONTROLLER/SL/BASE MTD/1-PHASE/200A	15,687.85	570.05
34 41 16 00-0008	EA	CONTROLLER, TS, 12-BAY, "M" CABINET	25,876.90	896.21
34 41 16 00-0009	EA	CONTROLLER, TS, 12-BAY, "P" CABINET	27,508.72	993.17
34 41 16 00-0010	EA	CONTROLLER, TS, 12-BAY "P" CABINET With FO MASTER	39,618.06	1,116.58
34 41 16 00-0011	EA	CONTROLLER, TS, 16-BAY, "P" CABINET	31,232.71	1,057.82
34 41 16 00-0012	EA	CONTROLLER, PEDESTRIAN CROSSING, ADD-IN	841.50	124.24
34 41 16 00-0013	EA	CONCRETE BLOCK PEDESTAL	750.51	186.52
34 41 16 00-0014	WK	MAINTAIN EXIST TS INSTALLATION	283.41	141.70
34 41 16 00-0015	EA	INST SIGN BOARDS, ST. NAME	533.71	246.00
34 41 16 00-0016	EA	F.O. ADD-IN FOR LOCAL CONTROLLER	13,218.61	319.09
34 41 16 00-0017	EA	F.O. ADD-IN FOR MASTER CONTROLLER	32,231.37	478.78
34 41 16 00-0018	EA	PDU Equipped netBooter With IEC320 C13 Outlets (Synaccess NP-0808DUH)	1,099.43	13.29
34 41 16 00-0019	EA	Remote Power Switched netBooter PDU, 8 Independent Outlets (Synaccess NP-0801DU)	621.32	13.29

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		MINOR CSI UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0020			Transportation Cabinets *(34 41 16)*		
34 41 16 00-0021			Transportation Cabinets (Dudlik Enclosures) *(34 41 16 00-0020)*		
34 41 16 00-0022	EA		50" x 30" x 17", Aluminum CCTV Cabinet (Dudlik Enclosures)	2,816.26	153.07
34 41 16 00-0023	EA		66" x 48" x 30", Quad Door, 19" Racks, Aluminum CCTV Cabinet (Dudlik Enclosures)	12,329.41	153.07
34 41 16 00-0024	EA		46" x 30" x 20", 19" Rack, Aluminum TTS Cabinet (Dudlik Enclosures)	2,626.42	153.07
34 41 16 00-0025	EA		50" x 30" x 17", Aluminum ITS Controller Cabinet (Dudlik Enclosures)	2,816.26	153.07
34 41 16 00-0026	EA		60" x 50" x 36", Quad Door, 19" Racks, Aluminum Fiber Cross Connect Cabinet (Dudlik Enclosures)	12,751.28	153.07
34 41 16 00-0027	EA		55" x 16" x 17", Aluminum ITS Meter Cabinet (Dudlik Enclosures)	1,782.68	153.07
34 41 16 00-0028			Transportation Cabinets (APX Enclosures) *(34 41 16 00-0020)*		
34 41 16 00-0029	EA		28" Wide, 16" Depth, 46" High, ITS Controller Cabinet (APX Enclosure LS503017) Note: 3R, single door, pad mounted aluminum enclosure. Includes natural finish, aluminum back panel, light kit with door switch, thermostatically controlled fan kit, heater kit with thermostat, one aluminum moveable shelf, and one aluminum moveable shelf with slide out drawer. Excludes pad.	6,989.18	178.58
34 41 16 00-0030			Transportation Cabinets (Transportation Control Systems) *(34 41 16 00-0020)*		
34 41 16 00-0031	EA		30" Wide, 16" Depth, 48" High, Type 4, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B483016B2D2S)	2,650.68	153.07
34 41 16 00-0032	EA		30" Wide, 16" Depth, 60" High, Type 4 Stretch, Aluminum Transportation Cabinet With Door Vents (Transportation Control Systems B603016B2D2S)	3,322.36	163.28
34 41 16 00-0033			Transportation Cabinets (McCain) *(34 41 16 00-0020)*		
34 41 16 00-0034	EA		24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 352i) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	12,838.46	178.58
34 41 16 00-0035	EA		24" Wide, 30" Depth, 67" High, ATC Cabinet (McCain 332) Note: 3R, single door, pad mounted anodized aluminum enclosure. Excludes pad.	12,838.46	178.58
34 41 16 00-0036	EA		ATC ColdFire Controller (McCain 170)	6,507.99	
34 41 16 00-0037			Traffic Control Equipment *(34 41 16)*		
34 41 16 00-0038	EA		ProStar PWM Charge Controller 12/24 Volt, 15 Amperes Without Display (Morningstar PS-15)	299.17	51.02
34 41 16 00-0039	EA		ProStar PWM Charge Controller 12/24 Volt, 15 Amperes With Display (Morningstar PS-15M)	405.97	51.02
34 41 16 00-0040	EA		ProStar PWM Charge Controller 12/24 Volt, 30 Amperes With Display (Morningstar PS-30M)	473.81	51.02
34 41 16 00-0041	EA		ProStar PWM Charge Controller 12/24 Volt, 30 Amperes Without Display (Morningstar PS-30)	358.47	51.02
34 41 16 00-0042	MLF		10 AWG, 2 Conductor, 600V, Type TC, Non-Shielded Control Tray Cable (EnerSys A51002R)	2,777.44	559.32
34 41 16 00-0043	EA		Vehicle Detector, Circuit Breaker, 0.2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-210-02)	116.15	25.51
34 41 16 00-0044	EA		Vehicle Detector, 2.4 GHz 12 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0141)	572.65	58.39
34 41 16 00-0045	EA		Detection System, Vehicle, Two Sensor Preassembled Backplate, with AC Power (Wavetronix WX-SSB01-0003)	3,085.61	175.16
34 41 16 00-0046	EA		Vehicle Detector, Power Supply, 24 Volt DC, 4 Amperes (Wavetronix WX-CLK-204)	561.18	25.51
34 41 16 00-0047	EA		Vehicle Detector, 4-Channel Contact Matrix Closure, Rack Card (Wavetronix WX-CLK-114)	810.83	25.51
34 41 16 00-0048	EA		4 Channel Din-Rail Contact Closure Module (Wavetronix WX-CLK-104)	916.13	51.02
34 41 16 00-0049	EA		Detection System, Vehicle, Four Sensor Preassembled Backplate, With AC Power, Wavetronix SmartSensor (Wavetronix WX-SS-B01-0005)	4,139.88	51.02
34 41 16 00-0050	EA		50' Wavetronix Wiring Whip (Wavetronix WX-SS-708-060)	350.31	175.16
34 41 16 00-0051	EA		60', 6-Conductor Power And Communication Cable With Connector (Wavetronix WX-SS-704-060)	576.02	43.79
34 41 16 00-0052	EA		900 MHz 5 dBi Omni Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0119)	485.82	58.39
34 41 16 00-0053	EA		900 MHz 9 dBi Yagi Antenna, Wavetronix SmartSensor (Wavetronix WX-100-0120)	290.44	58.39
34 41 16 00-0054	EA		Wavetronix Click 201 AC To DC Power Converter (Wavetronix WX-CLK-201)	344.09	25.51
34 41 16 00-0055	EA		24 Volt DC 2 Amperes, Wavetronix SmartSensor (Wavetronix WX-CLK-202)	420.07	25.51
34 41 16 00-0056	EA		Coax Surge N-Type, Wavetronix SmartSensor (Wavetronix WX-CLK-250)	181.27	25.51
34 41 16 00-0057	EA		Power, RS232/RS485 Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-200)	572.03	25.51
34 41 16 00-0058	EA		Two Sensor Surge, Wavetronix SmartSensor (Wavetronix WX-CLK-222)	648.01	25.51
34 41 16 00-0059	EA		RS232 to RS485 Converter, Wavetronix SmartSensor (Wavetronix WX-CLK-304)	810.83	25.51
34 41 16 00-0060	EA		Wavetronix Click 301 Serial To Ethernet Converter (Wavetronix CLK-301)	51.02	25.51
34 41 16 00-0061	EA		Sensor Mount, Heavy-Duty, 6 inch, 2 Axis Aluminum Bracket (Wavetronix WX-SS-611)	496.67	58.39
34 41 16 00-0062	MLF		LF, UV Resistant Polyethylene Jacketed Cable (Times Microwave Systems LMR-400)	3,320.16	559.32
34 41 16 00-0063	EA		N-Male (Plug) Clamp Connector (Times Microwave Systems TC-400-NMC)	54.49	15.31
34 41 16 00-0064	EA		Spectra IV SE Back Box, Heavy-Duty, Pendant Mount (Pelco BB4HD-PG-E)	1,039.23	61.23
34 41 16 00-0065	EA		Spectra III Clear Pendant Lower Dome, Heavy-Duty (Pelco ld53hdpb-1)	997.43	76.53
34 41 16 00-0066	EA		24" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2000)	207.01	25.51
34 41 16 00-0067	EA		10" Height, Ceiling/Pedestal Mount For Pan/Tilts Or Enclosures (Pelco pm2010)	147.77	25.51
34 41 16 00-0068	EA		24 Volt AC, Remote Data Port (Pelco IPS-RDPE-2)	545.22	25.51
34 41 16 00-0069	EA		Spectra IV Remote Monitor Interface Cable (Pelco IPS-CABLE)	215.90	25.51
34 41 16 00-0070	EA		120 Volt AC, 12.5 Watt, 12 Volt DC, 600 mA, External Plug In Power Supply (Triad Magnetics WDU12-600)	75.72	25.51
34 41 16 00-0071	EA		Control Area Network Direct Current Input/Output (Daktronics 0P-1247-0009) Note: Input/Output for sign peripherals.	753.31	51.02
34 41 16 00-0072	EA		Control Area Network Direct Current Input/Output (Daktronics 0P-1247-4009) Note: Input/Output for sign peripherals.	753.31	51.02
34 41 16 00-0073	EA		Control Area Network Distribution Board (Daktronics 0P-1248-0005) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,458.85	51.02
34 41 16 00-0074	EA		Control Area Network Distribution Board (Daktronics 0P-1248-0011) Note: Signal distribution point between sign modules and peripherals, and VFC-3000 Field Controller.	1,458.85	51.02
34 41 16 00-0075	EA		Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0019) Note: Measures temperature and detects light and reports to CAN Distribution Board.	471.10	51.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0076	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0015) Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.	688.19	51.02
34 41 16 00-0077	EA	Control Area Network Temperature, Light Sensor, And Humidity (Daktronics 0P-1247-0021) Note: Measures temperature and detects light and humidity and reports to CAN Distribution board.	688.19	51.02
34 41 16 00-0078	EA	Control Area Network Temperature And Light Sensor (Daktronics 0P-1247-0003) Note: Measures temperature and detects light and reports to CAN Distribution board.	557.93	51.02
34 41 16 00-0079	EA	Controller, VFC-3000 Field Controller NTCIPv1 (Daktronics 0A-1248-0016) Note: The "brains" of the sign. Receives information from NTCIP central software and reports status and diagnostic information.	10,177.12	204.10
34 41 16 00-0080	EA	DC/DC, Direct Current to Direct Current Converter (Daktronics 0P-1247-0025) Note: Takes 24 Volt DC input from two power supplies and outputs 9 Volt DC for CAN Distribution Board, providing power redundancy.	420.07	25.51
34 41 16 00-0081	EA	Driver (Daktronics 0P-1100-0026) Note: Driver takes data packets from Control Area Network to determine what pixels (LED clusters) are ON and which are OFF.	798.02	40.82
34 41 16 00-0082	EA	External Temp Sensor (Daktronics 0P-1100-0014) Note: Sensor that measures ambient temperature.	700.33	40.82
34 41 16 00-0083	EA	Internal Temp Sensor (Daktronics 0P-1100-0038) Note: Sensor that measures sign internal temperature.	787.16	40.82
34 41 16 00-0084	EA	Light Level Detector (Daktronics 0P-1151-0002) Note: The values from the light sensors are used by the sign controller to determine the appropriate sign brightness.	461.53	40.82
34 41 16 00-0085	EA	Module (Daktronics 0A-1253-0608) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,458.85	51.02
34 41 16 00-0086	EA	Module (Daktronics 0A-1253-3018) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,838.75	51.02
34 41 16 00-0087	EA	Module (Daktronics 0A-1266-5002) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,621.66	51.02
34 41 16 00-0088	EA	Module (Daktronics 0A-1332-6252) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	2,272.93	51.02
34 41 16 00-0089	EA	Module (Daktronics 0A-1332-6455) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,838.75	51.02
34 41 16 00-0090	EA	Module (Daktronics 0A-1332-6654) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	1,838.75	51.02
34 41 16 00-0091	EA	Module (Daktronics 0P-1332-3015) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	970.40	51.02
34 41 16 00-0092	EA	Module (Daktronics 0P-1332-4116) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	970.40	51.02
34 41 16 00-0093	EA	Module (Daktronics 0P-1332-5031) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	970.40	51.02
34 41 16 00-0094	EA	Module (Daktronics 0P-1332-5017) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display.	970.40	51.02
34 41 16 00-0095	EA	Module Without Pan (Daktronics 0A-1253-0603) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,458.85	51.02
34 41 16 00-0096	EA	Module Without Pan (Daktronics 0A-1253-1605) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,458.85	51.02
34 41 16 00-0097	EA	Module Without Pan (Daktronics 0A-1254-1601) Note: Printed circuit board with pixels (clusters of light emitting diodes) that illuminate on face of display; without Pan (pan is the metal bracket that holds the module securely in place in the sign.	1,458.85	51.02
34 41 16 00-0098	EA	Pixel Strip (Daktronics 0P-1100-0016) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	481.95	51.02
34 41 16 00-0099	EA	Pixel Strip (Daktronics 0P-1100-0029) Note: Pixel Strip is a smaller section of a module. Typically has three pixels (LED clusters) per strip.	568.79	51.02
34 41 16 00-0100	EA	Power Supply (Daktronics A-1593) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,730.21	51.02
34 41 16 00-0101	EA	Power Supply (Daktronics A-1648) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	1,730.21	51.02
34 41 16 00-0102	EA	Power Supply (Daktronics A-2307) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	644.77	51.02
34 41 16 00-0103	EA	Surge Suppressor (Daktronics A-1129) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	256.61	30.61
34 41 16 00-0104	EA	Surge Suppressor (Daktronics A-1412) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	549.68	30.61
34 41 16 00-0105	EA	Surge Suppressor (Daktronics A-1772) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	549.68	30.61
34 41 16 00-0106	EA	Surge Suppressor (Daktronics A-2139) Note: Receives 120 Volt AC input and outputs appropriate Volt DC for modules.	821.04	30.61
34 41 16 00-0107	EA	VCB, Vanguard Control Board (Daktronics 0P-1248-0022) Note: Receives high speed serial communication over fiber or CAT5 from VFC-3000 and reports sign status and peripheral diagnostics.	1,393.72	51.02
34 41 16 00-0108	EA	VMS I/O, Variable Message Sign Input/Output (Daktronics 0P-1194-0001) Note: Input/Output board for sign peripherals.	1,893.02	51.02
34 41 16 00-0109	EA	Power Supply Assembly (Daktronics A-1856R)	1,241.76	51.02
34 41 16 00-0110	EA	Power Supply Isolation Board (Daktronics 0P-1447-2000)	807.58	51.02
34 41 16 00-0111	EA	Ventilation/Circulation Fan (Daktronics B-1075)	286.57	51.02
34 41 16 00-0112	EA	VMS Controller (V2) (Daktronics 0A-1248-0028)	10,177.12	204.10
34 41 16 00-0113	EA	Photo/Temp Sensor (Daktronics 0P-1247-0015)	688.19	51.02
34 41 16 00-0114	EA	Defog Fan (Daktronics B-1053)	105.29	25.51
34 41 16 00-0115	EA	Defog Heater (Daktronics A-1792)	137.86	25.51
34 41 16 00-0116	EA	Display Card 1500, 15' Clear (Ver-Mac PB-AFF-06023A-03 PF)	916.13	51.02
34 41 16 00-0117	EA	Display Card 1500, 30' Amber (Ver-Mac PB-AFF-06023-01 PF)	916.13	51.02
34 41 16 00-0118	EA	1-Port Decoder With H.264 And High-Definition Technology (Verint S1801E-R)	1,201.89	51.12

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 41 16 00-0119	EA	1-Port Video Encoder Featuring H.264 Technology With One Bi-directional Audio Channel And 12V DC Universal Power Supply (Verint S1801E)	1,201.89	51.12
34 41 16 00-0120	EA	16-Port Video Encoder Featuring H.264 Technology (Verint S1816E)	6,616.85	51.12
34 41 16 00-0121	EA	Encoder H.264 Compact, Hiperfmc (Verint S1802E)	1,560.41	51.12
34 41 16 00-0122	EA	110 Volt AC To 12 Volt DC At 45 Watt, Transformer (Verint PS1261)	203.13	25.51
34 41 16 00-0123	EA	1-Channel Encoder, H.264 Dual-Streaming, SD Card Slot (Bosch VIP-X1XF-E)	730.70	51.12
34 41 16 00-0124	EA	Single/Quad-Stream Decoder (Bosch VIP-XD)	1,948.49	51.12
34 41 16 00-0125	EA	1-Output, Outdoor-Rated CCTV Power Supply Unit, 24/26/28 Volt AC (Pelco WCS1-4)	273.76	51.02
34 41 16 00-0126	EA	4-Outputs, Outdoor-Rated CCTV Power Supply With Circuit Breaker, 24/28 Volt AC (Pelco WCS4-20B)	624.16	51.02
34 41 16 00-0127	EA	12.5KVA, 12 Volt, 75Ah, UPS Battery (UPG UB12750)	294.14	12.78
34 41 16 00-0128	EA	Managed Ethernet Switch with 4 10/100TX Ports + 4 100FX Fiber Ports (EtherWAN EX71440-B0B)	3,755.15	102.05
34 41 16 00-0129	EA	Power Supply, Hardened, External 100-240 Volt AC Input; TS2 rated; 12 Volt DC Output Power (EtherWAN 41-136046-1)	223.14	25.51
34 41 16 00-0130	EA	4kVA / 3.6kW Split-Phase Power Module (Eaton 9PXMSPPM)	3,430.64	51.02
34 41 16 00-0131	EA	208-240 Volt, 4-20kVA Rack/Tower UPS (Eaton 9PXM)	7,918.24	252.56
34 41 16 00-0132	EA	30 Amperes, 600 Volt, 3-Pole, Fusible, NEMA 3R Rainproof, Safety Switch (Square D H361RB)	1,031.02	132.66
34 41 16 00-0133	EA	30 Amperes, 600 Volt, LKS Fuse (Eaton Bussmann LKS-30)	22.38	8.16
34 41 16 00-0134	EA	60 Amperes, 600 Volt, 3-Pole, Fusible, Heavy-Duty, Safety Switch (Square D H362DS)	2,762.61	102.05
34 41 16 00-0135	EA	60 Amperes, 600 Volt, Dual Element, Time-Delay Fuse (Eaton Bussmann FRS-R-60)	55.33	8.16
34 41 16 00-0136	EA	50 Mbps, MIMO 2x2, 15 dBi Integrated Antenna (Proxim Wireless TSUNAMI QB-820)	2,481.01	58.39
34 41 16 00-0137	EA	Singlemode Loaded Fiber Adapter Panel, 6 Simplex SC/UPC Adapters (Multi-Link 10-4810)	117.16	38.78
34 41 16 00-0138	EA	12" x 6" x 5-1/2", 2 Panel, 2 Splice Dual Security Door, Compact Wall Mount Fiber Distribution Unit (Multilink 10-4469)	367.83	51.02
34 41 16 00-0139	EA	Single AC Inlet, 8 NEMA 5-15 Outlets, Built-in AC Current Drawing Sensing Module (Synaccess NP-0801DT)	698.44	13.29
34 41 16 00-0140	EA	Aggregated TRMS AC Current Sensing, One Readout For All Outlets (Synaccess NP-0801DT H)	753.28	13.29
34 41 16 00-0141	EA	550 Watt, 120 Volt AC, Fan Heater With Adjustable Thermostat, 32-140 Degree Fahrenheit (Stego CR-027)	392.45	20.41
34 41 16 00-0142	EA	10/100M Switch, 4 x 1G Combo, LAN Base (Cisco IE-4000-4TC4G-E)	4,758.05	122.45
34 41 16 00-0143	EA	12 Port, 2 Panel, Wall Mount, Compact Fiber Distribution Unit (Multilink FWM012XLC)	167.51	23.47
34 41 16 00-0144	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel (Multilink MSC-06-SM-C-BLK)	43.08	5.10
34 41 16 00-0145	EA	170 Watt AC To DC, Industrial Ethernet Family Power Supply (Cisco PWR-IE170W-PC-AC)	1,505.65	51.02
34 41 16 00-0146	EA	12 Port, Industrial Ethernet Layer 3 Switch Installed In Transportation Control Equipment (Cisco IE-4000-4GC4GP4G-E)	5,179.76	102.05
34 41 16 00-0147	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line Uninterruptible Power Supply (UPS) (Xtreme Power P90-3000)	3,433.76	168.37
34 41 16 00-0148	EA	100 Amperes, 16 Circuit, Main Lug Load Center Panelboard, 8-1 AWG, 120/240 Volt, Single Phase (Square D QO816L100DS)	677.25	291.86
34 41 16 00-0149	EA	70 Amperes, 4 Circuit, Main Lug Load Center Panelboard, 3 Wire, 120/240 Volt, Single Phase (Square D QO24L70S)	471.44	204.10
34 41 16 00-0150	EA	60 Amperes, 120/240 Volt, 2 Pole Common Trip Miniature Circuit Breaker, Plug On Mounting (Square D QO260)	103.40	27.55
34 41 16 00-0151	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QOT1515)	79.82	18.37
34 41 16 00-0152	EA	15 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	60.20	18.37
34 41 16 00-0153	EA	20 Amperes, 120/240 Volt, 1 Pole Thermal Magnetic Miniature Circuit Breaker, Plug On Mounting (Square D QO120)	60.20	18.37
34 41 16 00-0154	EA	One Output Outdoor-rated CCTV Power Supply Unit, 24/26/28 Volt AC At 4 Amperes Total Supply Current, Fuse Protected Output, UL Listed (Pelco WCS1-4)	273.76	51.02
34 41 16 00-0155	EA	DIN Rail Mount, Switching Power Supply (TKH Security PSR12DC)	319.85	25.56
34 41 16 00-0156	EA	H.264 Multi-codec Video Encoder With Audio, Data And CC's (TKH Security C-60-E-MC)	3,084.02	25.56
34 41 16 00-0157	EA	Expansion Power Module For IE-3000-4TC And IE-3000-8TC (Cisco PWR-IE50W-AC-IEC)	600.21	13.29
34 41 16 00-0158	EA	Traffic Monitoring System (BlueToad Spectra Cellular/Solar Version)	12,415.76	175.16
34 41 16 00-0159	EA	Ubiquiti Rocket M9 Wireless Access Point (ROCKETM9)	447.83	58.39

34 70 Transportation Construction and Equipment *(34)*

34 71 Roadway Construction *(34 70)*

34 71 13 Vehicle Barriers *(34 71)*

34 71 13 13 Vehicle Median Barriers *(34 71 13)*

34 71 13 13-0001 Concrete Median Barrier *(34 71 13 13)*

34 71 13 13-0002	LF	Median Barrier, Precast, 42" High Single Face	73.59	4.48
34 71 13 13-0003	LF	Median Barrier, Precast, 32" High, 2' Wide Base, Double Face	120.95	4.48
34 71 13 13-0004	LF	Median Barrier, Precast, 42" High, 2' Wide Base, Double Face	170.25	4.48
34 71 13 13-0005	LF	Median Barrier, Cast In Place With Steel Forms	53.41	7.23
34 71 13 13-0006	LF	Median Barrier, Slipformed Concrete	42.53	3.64

34 71 13 16 Vehicle Crash Barriers *(34 71 13)*

34 71 13 16-0001 Impact Barrier, Non-Redirective *(34 71 13 16)*

34 71 13 16-0002 Sand Barrel Impact Attenuator *(34 71 13 16-0001)*

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	531.15	53.19
34 71 13 16-0004	EA	1,400 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	504.11	62.45
34 71 13 16-0005	EA	2,100 Lb. Sand Barrel Note: Includes containers, inserts, and lid.	546.96	71.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 16-0006		**Sand For Sand Barrel Impact Attenuator** *(34 71 13 16-0001)*		
34 71 13 16-0007	LB	Sand for Sand Barrels	0.10	
34 71 13 26		**Vehicle Guide Rails** *(34 71 13)*		
34 71 13 26-0001		**Mobilize Guide Rail Crew** *(34 71 13 26)*		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew Note: Excludes equipment mobilization.	1,349.59	
34 71 13 26-0003		**Corrugated Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0004		**Corrugated Beam Guide Railing** *(34 71 13 26-0003)*		
34 71 13 26-0005		**Corrugated Beam Guide Railing. Straight Sections** *(34 71 13 26-0004)* Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing	35.00	2.41
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic)	38.04	2.41
34 71 13 26-0008		**Corrugated Beam Guide Railing, Shop Curved** *(34 71 13 26-0004)* Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing	46.92	2.41
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic)	51.11	2.41
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End Note: Treatment for mall barriers driveways, walkways, special end, etc.	126.28	2.41
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.	138.15	2.41
34 71 13 26-0013		**Corrugated Beam Guide Railing, Manufactured End Sections** *(34 71 13 26-0003)*		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit	242.83	31.81
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit	259.05	31.81
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section	340.15	31.81
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic)	356.37	31.81
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section	340.15	31.81
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic)	356.37	31.81
34 71 13 26-0020		**Corrugated Beam Guide Rail End Terminal Systems** *(34 71 13 26-0003)* Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket, Type B And C	9,585.49	194.50
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket	7,963.55	194.50
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket	9,585.49	194.50
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel	1,338.71	91.69
34 71 13 26-0025	EA	Terminal Support System, Type SFT	1,022.92	245.16
34 71 13 26-0026	EA	Terminal Support System, Type ET	5,052.22	693.85
34 71 13 26-0027	EA	Terminal Support System, Type SRT	5,486.96	693.85
34 71 13 26-0028		**Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)* Note: Includes mounting hardware.		
34 71 13 26-0029	EA	Standard Post For Corrugated Beam Guide Rail	281.75	16.69
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.45*	
34 71 13 26-0030	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail	297.97	16.69
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.45*	
34 71 13 26-0031	EA	Extra Long Post For Corrugated Beam Guide Rail	314.19	16.69
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.45*	
34 71 13 26-0032	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail	330.41	16.69
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.45*	
34 71 13 26-0033	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail	281.75	16.69
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*4.45*	
34 71 13 26-0034	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post	411.51	16.69
		For Installation In Rock, Add	*4.45*	
34 71 13 26-0035		**Heavy Post Blocked Out Corrugated Beam Guide Rail Posts** *(34 71 13 26-0003)* Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0036	EA	Standard Post For Heavy Post Blocked Out Corrugated Beam Guide	281.75	16.69
34 71 13 26-0037	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide	297.97	16.69
34 71 13 26-0038	EA	Extra Long Post for Heavy Post Blocked Out Corrugated Beam Guide	314.19	16.69
34 71 13 26-0039	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail Note: For heavy post blocked out corrugated beam guide (rustic)	330.41	16.69
34 71 13 26-0040	EA	Type A Post 1630mm Post Note: For heavy post blocked out corrugated beam guide rail	273.64	16.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0041	EA	Type A Post 1630mm Post (Rustic)	289.86	16.69
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type B Post 1460mm	257.42	16.69
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Type B Post 1460mm (Rustic)	273.64	16.69
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0044	EA	Type C Post 1290mm	241.20	16.69
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0045	EA	Type C Post 1290mm (Rustic)	257.42	16.69
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0046	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube	1,095.32	16.69
34 71 13 26-0047	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam	103.34	16.69
		Note: For heavy post blocked out corrugated beam guide rail.		
34 71 13 26-0048		Corrugated Beam Guide Rail Accessories *(34 71 13 26-0003)*		
34 71 13 26-0049	EA	Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C	210.39	36.15
34 71 13 26-0050		Corrugated Beam Guide Rail Repair for Existing Guide Rail *(34 71 13 26-0003)*		
		Note: Includes associated hardware.		
34 71 13 26-0051	LF	Removal And Storage Of Corrugated Beam Guide Railing And Post	14.13	
34 71 13 26-0052	EA	Install Stored Post For Corrugated Beam Guide Rail	48.20	
34 71 13 26-0053	LF	Install Stored Corrugated Beam Guide Railing And Post	8.19	
34 71 13 26-0054		Corrugated Thrie Beam Guide Railing *(34 71 13 26-0003)*		
34 71 13 26-0055		Corrugated Thrie Beam Guide Railing. Straight Sections *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF	Corrugated Thrie Beam Guide Railing	86.86	3.04
34 71 13 26-0057	LF	Corrugated Thrie Beam Guide Railing (Rustic)	91.80	3.04
34 71 13 26-0058		Corrugated Thrie Beam Guide Railing. Shop Curved *(34 71 13 26-0054)*		
		Note: Add additional length for back-up sections.		
34 71 13 26-0059	LF	Shop Curved Corrugated Thrie Beam Guide Railing	106.63	3.04
34 71 13 26-0060	LF	Shop Curved Corrugated Thrie Beam Guide Railing (Rustic)	111.57	3.04
34 71 13 26-0061		Corrugated Thrie Beam Guide Rail Posts *(34 71 13 26-0054)*		
		Note: Includes hardware for mounting.		
34 71 13 26-0062	EA	Standard Post For Corrugated Thrie Beam Guide Rail	360.88	3.04
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0063	EA	Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail	377.10	3.04
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For 32" Soil Plate, Add	*7.00*	
34 71 13 26-0064		Timber Guide Rails *(34 71 13 26)*		
		Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.		
34 71 13 26-0065		Timber Guide Rail Posts *(34 71 13 26-0064)*		
34 71 13 26-0066	EA	6" x 8" Timber Guide Rail Post	117.93	12.05
34 71 13 26-0067	EA	6" x 9" Timber Guide Rail Post	134.91	12.05
34 71 13 26-0068	EA	10" x 10" Timber Guide Rail Post	267.97	12.05
34 71 13 26-0069	EA	10" x 12" Timber Guide Rail Post	283.84	12.05
34 71 13 26-0070	EA	12" x 12" Timber Guide Rail Post	329.07	12.05
34 71 13 26-0071		Timber Guide Rails *(34 71 13 26-0064)*		
		Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0072	LF	4" x 9" Timber Guide Rail	14.65	1.45
34 71 13 26-0073	LF	6" x 10" Timber Guide Rail	20.76	1.45
34 71 13 26-0074	LF	6" x 12" Timber Guide Rail	24.34	1.45
34 71 13 26-0075		Spacer Blocks For Timber Guide Rails *(34 71 13 26-0064)*		
34 71 13 26-0076	EA	4" x 9" Spacer Block For Timber Guide Rails	19.07	1.93
34 71 13 26-0077	EA	6" x 8" Spacer Block For Timber Guide Rails	22.00	1.93
34 71 13 26-0078	EA	8" x 8" Spacer Block For Timber Guide Rails	25.73	1.93
34 71 13 26-0079		Weathering Steel Backup Plates For Timber Guide Rails *(34 71 13 26-0064)*		
34 71 13 26-0080	LF	6" High, Weathering Steel Backup Plate For Timber Guide Rails	26.89	1.21
34 71 13 26-0081		Weathering Steel Splice And Bearing Plates For Timber Guide Rails *(34 71 13 26-0064)*		
34 71 13 26-0082	EA	Weathering Steel Splice Plate For Timber Guide Rails	184.99	16.87
34 71 13 26-0083	EA	Weathering Steel Bearing Termination Plate For Timber Guide Rails	115.68	12.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0084		**Cable Guide Rail** *(34 71 13 26)*		
34 71 13 26-0085		**Cable Guide Rail** *(34 71 13 26-0084)*		
34 71 13 26-0086	LF	Cable (Each Cable) Note: Includes tensioning. Excludes splices.	17.31	2.60
34 71 13 26-0087	EA	Cable Splice With Wedges	510.68	18.08
34 71 13 26-0088		**Cable Guide Rail Posts** *(34 71 13 26-0084)* Note: Includes hardware for cable mounting.		
34 71 13 26-0089	EA	Standard Post for Cable Guide Rail	317.43	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0090	EA	Standard Post (Rustic) for Cable Guide Rail	333.65	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0091	EA	Extra Long Post for Cable Guide Rail	333.65	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0092	EA	Extra Long Post (Rustic) for Cable Guide Rail	349.87	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0093	EA	Slip Impact Post Top for Anchor Unit	224.29	22.24
34 71 13 26-0094	EA	Slip Impact Post Base and Keeper Plate Note: For anchor unit.	629.78	22.24
34 71 13 26-0095		**Cable Guide Rail Accessories For Breakaway Anchor Angle Systems** *(34 71 13 26-0084)*		
34 71 13 26-0096	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors	873.43	241.48
34 71 13 26-0097	EA	Turnbuckle Cable End Assembly	340.49	12.07
34 71 13 26-0098	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors	1,143.36	6.00
34 71 13 26-0099	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle	1,175.80	6.00
34 71 13 26-0100	EA	Breakaway Anchor Angle	437.80	12.07
34 71 13 26-0101	EA	Standard End Post Cap Assembly	202.63	6.00
34 71 13 26-0102	EA	Driveway End Post Cap Assembly	170.19	6.00
34 71 13 26-0103	EA	End Post Ground Support Plates	89.10	6.00
34 71 13 26-0104	EA	11" Stud Bolt, Cable Guide Rail	76.93	6.00
34 71 13 26-0105	EA	18" Stud Bolt, Cable Guide Rail	93.15	6.00
34 71 13 26-0106	EA	25" Stud Bolt, Cable Guide Rail	109.37	6.00
34 71 13 26-0107	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail	989.26	12.07
34 71 13 26-0108	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail	1,054.14	12.07
34 71 13 26-0109	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail	697.31	12.07
34 71 13 26-0110	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail	429.70	6.00
34 71 13 26-0111	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail	437.80	12.07
34 71 13 26-0112	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail	462.02	18.08
34 71 13 26-0113		**Cable Guide Rail Accessories For Slip Impact Post Systems** *(34 71 13 26-0084)*		
34 71 13 26-0114	EA	Turnbuckle Cable End Assembly Note: For use with slip impact post.	787.07	18.58
34 71 13 26-0115	EA	Spring Cable End Assembly (Compensating Device) Note: For use with slip impact post.	1,565.60	18.58
34 71 13 26-0116	EA	Anchor Angle For Slip Impact Post System	446.46	18.58
34 71 13 26-0117	EA	Cable End Assembly Rod Note: Includes cable end, threaded rod and keeper to anchor angle.	365.37	18.58
34 71 13 26-0118		**Cable Guide Rail Repair For Existing Guide Rail** *(34 71 13 26-0084)* Note: Includes associated hardware.		
34 71 13 26-0119	LF	Retention Existing Cable (Each Cable)	1.61	
34 71 13 26-0120	LF	Removal And Storage Of Cable Guide Railing	9.70	
34 71 13 26-0121	EA	Install Stored Post For Cable Guide Railing	74.14	
34 71 13 26-0122	LF	Install Stored Cable, (Each Cable) Note: Includes retensioning. Excludes splices.	4.29	
34 71 13 26-0123		**6" x 6" Box Beam Guide Rail** *(34 71 13 26)*		
34 71 13 26-0124		**Box Beam Guide Rail, 6" x 6"** *(34 71 13 26-0123)*		
34 71 13 26-0125		**Straight Sections, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0126	LF	Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	105.40	3.04
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0127	LF	Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	120.23	3.04
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0128	LF	Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices	125.70	3.04
		For Flush Mounting Directly To Structure, Add	*1.83*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0129		**Shop Curved, Box Beam Guide Rail** *(34 71 13 26-0124)*		
34 71 13 26-0130	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized Note: Excludes splices.	162.25	3.04
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0131	LF	Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) Note: Excludes splices.	177.08	3.04
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0132	LF	Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized Note: Excludes splices.	193.82	3.04
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0133		**Box Beam Guide Rail End Treatment Sections** *(34 71 13 26-0123)* Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0134	EA	Box Beam End Piece Guide Railing Section Note: Galvanized excludes splices.	1,670.14	36.15
34 71 13 26-0135	EA	Box Beam End Piece Guide Railing Section (Rustic) Note: Excludes splices.	1,848.55	36.15
34 71 13 26-0136	EA	Box Beam Guide Railing End Treatment Section At Driveway, Galvanized Note: Excludes splices.	1,572.82	36.15
34 71 13 26-0137	EA	Box Beam Guide Railing End Treatment Section At Driveway, (Rustic) Note: Excludes splices.	1,637.70	36.15
34 71 13 26-0138	EA	Box Beam Guiderail End Assembly Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.	47,248.66	963.99
34 71 13 26-0139		**Splices For Box Beam Guide Rail** *(34 71 13 26-0123)*		
34 71 13 26-0140	EA	Splice For Box Beam Guide Rail	350.61	53.66
34 71 13 26-0141	EA	Splice For Box Beam Guide Rail (Rustic)	464.15	53.66
34 71 13 26-0142		**Box Beam Guide Rail Posts** *(34 71 13 26-0123)* Note: Includes hardware for box beam mounting.		
34 71 13 26-0143	EA	Standard Post For Box Beam Guide Rail	333.65	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0144	EA	Standard Post (Rustic) for Box Beam Guide Railing	349.87	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0145	EA	Extra Long Post For Box Beam Guide Rail	366.09	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0146	EA	Extra Long Post (Rustic) For Box Beam Guide Rail	382.31	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0147	EA	Type I End Assembly Post	317.43	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0148	EA	Type I End Assembly Post (Rustic)	333.65	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0149	EA	Type II End Assembly Post	301.21	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0150	EA	Type II End Assembly Post (Rustic)	317.43	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0151		**Box Beam Guide Rail Accessories** *(34 71 13 26-0123)*		
34 71 13 26-0152	EA	Box Beam Guide Rail End Cover Plate	209.09	10.84
34 71 13 26-0153	EA	Box Beam Guide Rail End Cover Plate (Rustic)	225.31	10.84
34 71 13 26-0154		**Box Beam Guide Railing Repair, And Resetting** *(34 71 13 26-0123)* Note: For existing guide rail.		
34 71 13 26-0155	LF	Removal And Storage Of Box Beam Guide Rail And Post	4.76	
34 71 13 26-0156	LF	Reset Box Beam Guide Rail	13.90	
34 71 13 26-0157		**6" x 8" Box Beam Median Barrier** *(34 71 13 26)*		
34 71 13 26-0158		**Box Beam Median Barrier, 6" x 8"** *(34 71 13 26-0157)*		
34 71 13 26-0159		**Straight Sections, Box Beam Median Barrier** *(34 71 13 26-0158)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0160	LF	Box Beam Median Barrier Galvanized Excludes Splices	170.19	10.84
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0161	LF	Box Beam Median Barrier (Rustic) Excludes Splices	185.02	10.84
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0162		**Shop Curved, Box Beam Median Barrier** *(34 71 13 26-0158)*		
34 71 13 26-0163	LF	Shop Curved Box Beam Median Barrier Galvanized Note: Excludes splices.	209.16	10.84
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0164	LF	Shop Curved Box Beam Median Barrier Rustic Note: Excludes splices.	257.84	10.84
		For Shop Curved At <20' Radius, Add	*2.44*	
		For Flush Mounting Directly To Structure, Add	*1.83*	
34 71 13 26-0165		**Box Beam Median Barrier End Treatment Sections** *(34 71 13 26-0157)* Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0166	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized Note: Excludes splices and post.	5,546.58	36.15
34 71 13 26-0167	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic) Note: Excludes splices and post.	5,676.33	36.15
34 71 13 26-0168	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized Note: Excludes splices and post.	5,546.58	36.15
34 71 13 26-0169	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic) Note: Excludes splices and post.	5,676.33	36.15
34 71 13 26-0170		**Splices For Box Beam Median Barrier** *(34 71 13 26-0157)*		
34 71 13 26-0171	EA	Splice for Box Beam Median Barrier	395.39	28.92
34 71 13 26-0172	EA	Splice for Box Beam Median Barrier (Rustic)	638.68	28.92
34 71 13 26-0173		**Box Beam Median Barrier Posts Driven With Soil Plate** *(34 71 13 26-0157)* Note: Includes all associated hardware.		
34 71 13 26-0174	EA	Standard Post for Box Beam Median Barrier	333.65	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0175	EA	Standard Post (Rustic) for Box Beam Median Barrier	349.87	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0176	EA	Extra Long Post for Box Beam Median Barrier	366.09	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0177	EA	Extra Long Post (Rustic) for Box Beam Median Barrier	382.31	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0178	EA	Type B End Treatment or Rub Back Anchor Post for Box Beam Note: For median barrier.	301.21	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0179	EA	Type B End Treatment or Rub Back Anchor Post (Rustic) Note: For box beam median barrier.	301.21	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0180	EA	Type I End Assembly Post for Box Beam Median Barrier to Concrete Note: For median barrier transition.	366.09	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0181	EA	Type I End Assembly Post (Rustic) for Box Beam Median Barrier Note: For Concrete median barrier transition.	382.31	55.60
		For Installation Without Soil Plate, Deduct	*-5.00*	
		For Installation In Rock, Add	*14.83*	
34 71 13 26-0182		**Box Beam Median Barrier Accessories** *(34 71 13 26-0157)*		
34 71 13 26-0183	EA	Box Beam Median Barrier End Cover Plate	241.30	25.45
34 71 13 26-0184	EA	Box Beam Median Barrier End Cover Plate (Rustic)	257.52	25.45
34 71 13 26-0185		**Box Beam Median Barrier Repair, And Resetting** *(34 71 13 26-0157)* Note: For existing guide rail.		
34 71 13 26-0186	LF	Removal And Storage Of Box Beam Median Barrier and Posts	4.92	
34 71 13 26-0187	LF	Reset Box Beam Median Barrier	14.56	
34 71 13 26-0188		**Universal Guide Rail Items** *(34 71 13 26)*		
34 71 13 26-0189		**Guide Rail Concrete Anchor Units For All Types Of Guide Rail** *(34 71 13 26-0188)* Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0190	CY	Guide Rail Concrete Anchor Unit	837.68	
		For Each Additional Set Of Anchor Rods, Add	*38.00*	
34 71 13 26-0191	EA	Reset Existing Anchorage Unit for All Types of Guide Rail Note: Includes excavation and backfill.	552.79	
34 71 13 26-0192	EA	Removal Of Guide Rail Concrete Anchor Unit	621.67	
34 71 13 26-0193		Guide Rail Repair For All Types Of Existing Guide Rail *(34 71 13 26-0188)* Note: Includes associated hardware.		
34 71 13 26-0194	EA	Straighten And Reset Driven Post For Guide Rail	74.14	
34 71 13 26-0195	EA	Straighten And Reset Post Mounted On Concrete For Guide Rail Note: With base plate for guide rail. Includes new anchor bolts.	97.50	
34 71 13 26-0196		Additional Wood and Steel Posts *(34 71 13 26-0188)*		
34 71 13 26-0197	LF	4" x 6" Wood Post	101.79	18.58
		For Installation In Rock, Add	*4.95*	
34 71 13 26-0198	LF	6" x 8" Wood Post	126.12	18.58
		For Installation In Rock, Add	*4.95*	
34 71 13 26-0199	LF	6" x 7/8" Galvanized Steel Post	70.71	18.58
		For Installation In Rock, Add	*4.95*	
34 71 13 26-0200	EA	Base Plate With Anchor Bolts For Mounting Post On Concrete	762.21	18.58
34 71 13 26-0201		Accessories For All Types of Guide Rail *(34 71 13 26-0188)*		
34 71 13 26-0202	EA	Reflector For Guard Rail	101.37	
34 71 13 26-0203		Resilient Guard Fence And Light Shield *(34 71 13 26)*		
34 71 13 26-0204	LF	Resilient Guard Fence And Light Shield, Up To 6' High	89.15	7.41
34 71 13 26-0205		Individual Concrete Guard Rail Posts *(34 71 13 26)*		
34 71 13 26-0206	EA	6'-5" Concrete Guard Rail Posts, Round	96.07	7.41
34 71 13 26-0207	EA	6'-5" Concrete Posts, Square	107.43	8.33
34 71 13 26-0208	EA	6'-5" Concrete Posts, Triangular	104.55	8.33
34 71 13 26-0209		Guide Rail Transitions *(34 71 13 26)*		
34 71 13 26-0210		Transition Box Beam Guide Rail To Corrugated Beam *(34 71 13 26-0209)*		
34 71 13 26-0211	EA	Box Beam To Corrugated Beam Rail Bolted Section	1,295.13	
34 71 13 26-0212	EA	Box Beam To Corrugated Beam Rail Bolted Plate Note: For making cable connections.	646.36	
34 71 13 26-0213		Transition Box Beam Median Barrier To Corrugated Beam Median *(34 71 13 26-0209)*		
34 71 13 26-0214	EA	Box Beam Median Barrier To Corrugated Beam Bolted Section	1,327.57	
34 71 13 26-0215	EA	Box Beam Median Barrier To Corrugated Beam Harness Plate Note: For making cable connections.	646.36	
34 71 13 26-0216		Transition Box Beam Guide Rail To Cable Guide Rail *(34 71 13 26-0209)*		
34 71 13 26-0217	EA	Box Beam to Cable Guide Rail U-bolt And Plate	194.39	19.28
34 71 13 26-0218		Transition Box Beam Median Barrier To Concrete Median Barrier *(34 71 13 26-0209)*		
34 71 13 26-0219	EA	Box Beam Median Barrier To Concrete Barrier End Connection	1,943.91	
34 71 13 26-0220		Transition Thrie Beam To Concrete Median Barrier *(34 71 13 26-0209)*		
34 71 13 26-0221	EA	Thrie Beam Terminal Connector At Concrete Median Barrier	1,132.94	
34 71 13 26-0222	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail	1,538.43	
34 71 16		**Impact Attenuating Devices** *(34 71)*		
34 71 16 00-0001		Guard Rail Energy Absorbing Terminals *(34 71 16)* Note: Crushable foam cartridges surrounded by steel guardrail for narrow hazards. One Bay consists of one Cartridge, one Diaphragm, and two Fender Panels. The Nose section is not considered a Bay, though there is a Cartridge in the Nose of each system. QuadGuard System as manufactured by Energy Absorption Systems, Inc.		
34 71 16 00-0002		24" Wide Guard Rail Energy Absorbing Terminals *(34 71 16 00-0001)* Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0003	EA	24" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	38,929.31	3,684.71
34 71 16 00-0004	EA	24" Wide, 5 Cartridge, Bays Energy Absorbing Crash Attenuator	54,158.57	4,912.94
34 71 16 00-0005	EA	24" Wide, 7 Cartridge, Bays Energy Absorbing Crash Attenuator	74,030.80	6,448.25
34 71 16 00-0006	EA	24" Wide, 9 Cartridge, Bays Energy Absorbing Crash Attenuator	81,914.83	7,983.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 16 00-0007		**30" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0008	EA	30" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	41,838.53	4,145.30
34 71 16 00-0009	EA	30" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	58,393.96	5,527.06
34 71 16 00-0010	EA	30" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	80,241.19	7,369.42
34 71 16 00-0011	EA	30" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	91,683.75	8,904.72
34 71 16 00-0012		**36" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0013	EA	36" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	44,783.65	4,605.89
34 71 16 00-0014	EA	36" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	62,664.48	6,141.18
34 71 16 00-0015	EA	36" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	85,803.29	8,137.07
34 71 16 00-0016	EA	36" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	101,415.78	9,825.89
34 71 16 00-0017		**69" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0018	EA	69" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	48,458.66	5,066.47
34 71 16 00-0019	EA	69" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	67,219.56	6,755.30
34 71 16 00-0020	EA	69" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	92,501.96	8,904.72
34 71 16 00-0021	EA	69" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	108,798.57	10,747.07
34 71 16 00-0022		**90" Wide Guard Rail Energy Absorbing Terminals** *(34 71 16 00-0001)*		
		Note: Includes nose section, cartridge bays, side fender panels, posts and anchor plates.		
34 71 16 00-0023	EA	90" Wide, 3 Cartridge Bays, Energy Absorbing Crash Attenuator	52,239.66	5,527.06
34 71 16 00-0024	EA	90" Wide, 5 Cartridge Bays, Energy Absorbing Crash Attenuator	71,899.09	7,369.42
34 71 16 00-0025	EA	90" Wide, 7 Cartridge Bays, Energy Absorbing Crash Attenuator	100,063.97	9,825.89
34 71 16 00-0026	EA	90" Wide, 9 Cartridge Bays, Energy Absorbing Crash Attenuator	116,399.44	11,668.24
34 71 19		**Vehicle Delineators** *(34 71)*		
34 71 19 16		**Flexible Vehicle Delineators** *(34 71 19)*		
34 71 19 16-0001	EA	2' High, 3" Diameter Flexible Fixed Stanchion Delineator	97.81	9.25
34 71 19 16-0002	EA	3' High, 3" Diameter Flexible Fixed Stanchion Delineator	99.20	9.25
34 71 19 16-0003	EA	3-1/2' High, 3" Diameter Flexible Fixed Stanchion Delineator	100.60	9.25
34 71 19 16-0004	EA	4' High, 3" Diameter Flexible Fixed Stanchion Delineator	101.99	9.25
34 80		**Bridges** *(34)*		
34 82		**Bridge Specialties** *(34 80)*		
34 82 23		**Bridge Railing** *(34 82)*		
34 82 23 00-0001		**Metal Bridge Railing** *(34 82 23)*		
		Note: Includes hardware for bridge rail mounting.		
34 82 23 00-0002	LF	2" x 2" x 1/8" Bridge Railing	45.79	3.98
34 82 23 00-0003	LF	3" x 3" x 5/16" Bridge Railing	83.16	6.19
34 82 23 00-0004	LF	5" x 3" x 1/4" Bridge Railing	104.33	9.08
34 82 23 00-0005	LF	6" x 6" x 3/16" Bridge Railing	136.04	11.43
34 82 23 00-0006	LF	5" Outside Diameter x 1/4" Bridge Railing	111.81	8.82
34 82 23 00-0007		**Bridge Post** *(34 82 23)*		
		Note: Includes hardware for bridge post mounting.		
34 82 23 00-0008	EA	6" x 9" x 5'-6" Bridge Post	207.17	51.28
34 82 23 00-0009	EA	6" x 9" x 7' Bridge Post	270.23	54.49
34 82 23 00-0010	EA	Two Rail With Base Plate Bridge Post Assembly	662.07	96.15
34 82 23 00-0011	EA	Two Rail With Curb Bridge Post Assembly	833.90	102.57
34 82 23 00-0012	EA	Two Rail (Curbless) Bridge Post Assembly	748.81	102.57
34 82 23 00-0013	EA	Two Rail With Optional Handrail Bridge Post Assembly	929.93	102.57
34 82 23 00-0014	EA	Three Rail With Base Plate Bridge Post Assembly	682.39	102.57
34 82 23 00-0015	EA	Three Rail With Curb Bridge Post Assembly	975.46	105.78
34 82 23 00-0016	EA	Three Rail (Curbless) Bridge Post Assembly	953.03	105.78
34 82 23 00-0017	EA	Three Rail With Optional Handrail Bridge Post Assembly	1,207.71	105.78
34 82 23 00-0018	EA	Four Rail (Curbless) With Base Plate Bridge Post	765.68	108.98
34 82 23 00-0019	EA	Four Rail With Base Plate (Sidewalk Type) Bridge Post	765.92	108.98
34 82 23 00-0020	EA	Four Rail With Curb Bridge Post Assembly	1,221.12	108.98
34 82 23 00-0021	EA	Four Rail (Curbless) Bridge Post Assembly	1,258.10	108.98
34 82 23 00-0022	EA	Five Rail With Base Plate (Curbless) Bridge Post Assembly	859.60	115.39
34 82 23 00-0023		**Bridge Railing Splices** *(34 82 23)*		
		Note: Includes hardware for splices.		
34 82 23 00-0024	EA	5" Outside Diameter Bridge Railing Splice	387.25	24.68
34 82 23 00-0025	EA	5" x 3" Bridge Railing Splice	220.64	21.60
34 82 23 00-0026	EA	3" x 3" Bridge Railing Splice	132.79	15.43
34 82 23 00-0027	EA	2" x 2" Bridge Railing Splice	63.08	11.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 82 23 00-0028	EA	5" x 5" x 3' Expansion Splice Tube	286.89	23.86
34 82 23 00-0029	EA	4" x 2" x 3' Expansion Splice Bar	307.68	23.86
34 82 23 00-0030	EA	5" x 5" x 2' Fixed Splice Tube	259.54	23.86
34 82 23 00-0031	EA	4" x 2" x 2' Fixed Splice Bar	267.06	23.86
34 82 23 00-0032	EA	6" x 6' x 3/16" Box x 9' Flare Tube	387.35	32.23
34 82 23 00-0033		Transition For Bridge Railing *(34 82 23)*		
		Note: Includes hardware for transition for bridge railing.		
34 82 23 00-0034	EA	Two Rail Box Beam To Bridge Transition With Splices	1,583.66	128.21
34 82 23 00-0035	EA	Three Rail Box Beam To Bridge Transition With Splices	1,687.68	134.62
34 82 23 00-0036	EA	Four Rail Box Beam To Bridge Transition With Splices	1,988.66	141.03
34 82 23 00-0037	EA	6" x 6" x 16-1/2' Bottom Transition Tube	656.14	64.11
34 82 23 00-0038	EA	6" x 6" x 22' Bottom Transition Tube	819.91	70.51
34 82 23 00-0039	EA	8" x 6" x 16-1/2' Bottom Transition Tube	778.53	64.11
34 82 23 00-0040	EA	6" x 6" x 16-1/2' Top Transition Tube	674.54	64.11
34 82 23 00-0041	EA	6" x 6" x 21-1/2' Top Transition Tube	804.71	70.51
34 82 23 00-0042	EA	8" x 6" x 16-1/2' Top Transition Tube	801.36	64.11
34 82 23 00-0043	EA	6" x 6" x 16-1/2' Middle Transition Tube	630.92	64.11
34 82 23 00-0044	EA	8" x 6" x 16-1/2' Middle Transition Tube	789.94	64.11
34 82 23 00-0045		Anchor Plates And End Caps For Bridge Railing *(34 82 23)*		
34 82 23 00-0046	EA	14" x 14" Bridge Railing Anchor Plate	70.19	6.17
34 82 23 00-0047	EA	18" x 22" Deck Anchor Plate	431.45	30.85
34 82 23 00-0048	EA	2" x 2" Bridge Railing End Cap	59.35	3.09
34 82 23 00-0049	EA	3" x 3" Bridge Railing End Cap	35.72	3.09
34 82 23 00-0050	EA	5" O.D Bridge Railing End Cap	35.44	3.09
34 82 26		**Bridge Slope Protection** *(34 82)*		
34 82 26 00-0001		Bridge Slope Protection *(34 82 26)*		
		Note: Solid concrete masonry unit installed in sand bedding.		
34 82 26 00-0002	SF	8" x 16" x 4" Solid Concrete Block, Bridge Slope Protection	15.31	5.72
34 82 26 00-0003	SF	8" x 16" x 6" Solid Concrete Block, Bridge Slope Protection	18.37	6.31
34 82 26 00-0004	SF	8" x 16" x 8" Solid Concrete Block, Bridge Slope Protection	20.37	6.70

END OF SECTION 34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

35 Waterway and Marine Construction

35 05 Common Work Results for Waterway and Marine Construction *(35)*

35 05 70 Common Work Results for Dams *(35 05)*

35 05 70 00-0001 Rubber Dam Repair *(35 05 70)*

35 05 70 00-0002	EA	Class A Rubber Dam Repair (Bullet And Similar Holes)	40.15
35 05 70 00-0003	SF	Class B Rubber Dam Repair (Minor Surface Rubber Damage)	80.32
35 05 70 00-0004	SF	Class C Rubber Dam Repair (Major Surface Rubber Damage)	117.36
35 05 70 00-0005	SF	Class D Rubber Dam Repair (Serious Surface Rubber Damage), Per Layer Of Material	131.28

END OF SECTION 35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	MINOR	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

40 Process Interconnections

40 05 Common Work Results For Process Interconnections *(40)*

40 05 19 Ductile Iron Process Pipe *(40 05)*

40 05 19 00-0001 Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*
Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-0002 Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0003 4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0004	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		975.15	241.12
		For Class 52 Rating, Deduct		*-67.08*	
		For Class 54 Rating, Add		*95.86*	
		For Class 55 Rating, Add		*144.76*	
		For Class 56 Rating, Add		*193.05*	
40 05 19 00-0005	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,046.79	245.33
		For Class 52 Rating, Deduct		*-74.26*	
		For Class 54 Rating, Add		*105.72*	
		For Class 55 Rating, Add		*159.46*	
		For Class 56 Rating, Add		*212.53*	
40 05 19 00-0006	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,118.43	249.55
		For Class 52 Rating, Deduct		*-81.44*	
		For Class 54 Rating, Add		*115.59*	
		For Class 55 Rating, Add		*174.17*	
		For Class 56 Rating, Add		*232.01*	
40 05 19 00-0007	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,190.07	253.76
		For Class 52 Rating, Deduct		*-88.61*	
		For Class 54 Rating, Add		*125.45*	
		For Class 55 Rating, Add		*188.87*	
		For Class 56 Rating, Add		*251.49*	
40 05 19 00-0008	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,261.70	257.98
		For Class 52 Rating, Deduct		*-95.79*	
		For Class 54 Rating, Add		*135.31*	
		For Class 55 Rating, Add		*203.58*	
		For Class 56 Rating, Add		*270.97*	
40 05 19 00-0009	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,333.34	262.19
		For Class 52 Rating, Deduct		*-102.97*	
		For Class 54 Rating, Add		*145.18*	
		For Class 55 Rating, Add		*218.28*	
		For Class 56 Rating, Add		*290.44*	
40 05 19 00-0010	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,404.98	266.40
		For Class 52 Rating, Deduct		*-110.15*	
		For Class 54 Rating, Add		*155.04*	
		For Class 55 Rating, Add		*232.98*	
		For Class 56 Rating, Add		*309.92*	
40 05 19 00-0011	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,476.61	270.63
		For Class 52 Rating, Deduct		*-117.32*	
		For Class 54 Rating, Add		*164.91*	
		For Class 55 Rating, Add		*247.69*	
		For Class 56 Rating, Add		*329.40*	
40 05 19 00-0012	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,548.25	274.84
		For Class 52 Rating, Deduct		*-124.50*	
		For Class 54 Rating, Add		*174.77*	
		For Class 55 Rating, Add		*262.39*	
		For Class 56 Rating, Add		*348.88*	
40 05 19 00-0013	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,619.89	279.05
		For Class 52 Rating, Deduct		*-131.68*	
		For Class 54 Rating, Add		*184.64*	
		For Class 55 Rating, Add		*277.10*	
		For Class 56 Rating, Add		*368.36*	
40 05 19 00-0014	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,691.52	283.27
		For Class 52 Rating, Deduct		*-138.86*	
		For Class 54 Rating, Add		*194.50*	
		For Class 55 Rating, Add		*291.80*	
		For Class 56 Rating, Add		*387.84*	
40 05 19 00-0015	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,763.16	287.48
		For Class 52 Rating, Deduct		*-146.03*	
		For Class 54 Rating, Add		*204.36*	
		For Class 55 Rating, Add		*306.50*	
		For Class 56 Rating, Add		*407.32*	
40 05 19 00-0016	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe		1,834.80	291.70
		For Class 52 Rating, Deduct		*-153.21*	
		For Class 54 Rating, Add		*214.23*	
		For Class 55 Rating, Add		*321.21*	
		For Class 56 Rating, Add		*426.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0017	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,906.44	295.91
		For Class 52 Rating, Deduct	*-160.39*	
		For Class 54 Rating, Add	*224.09*	
		For Class 55 Rating, Add	*335.91*	
		For Class 56 Rating, Add	*446.27*	
40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,978.07	300.13
		For Class 52 Rating, Deduct	*-167.57*	
		For Class 54 Rating, Add	*233.96*	
		For Class 55 Rating, Add	*350.62*	
		For Class 56 Rating, Add	*465.75*	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,049.71	304.35
		For Class 52 Rating, Deduct	*-174.74*	
		For Class 54 Rating, Add	*243.82*	
		For Class 55 Rating, Add	*365.32*	
		For Class 56 Rating, Add	*485.23*	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,121.35	308.56
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*253.68*	
		For Class 55 Rating, Add	*380.02*	
		For Class 56 Rating, Add	*504.71*	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,192.98	312.78
		For Class 52 Rating, Deduct	*-189.10*	
		For Class 54 Rating, Add	*263.55*	
		For Class 55 Rating, Add	*394.73*	
		For Class 56 Rating, Add	*524.19*	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,264.62	316.99
		For Class 52 Rating, Deduct	*-196.28*	
		For Class 54 Rating, Add	*273.41*	
		For Class 55 Rating, Add	*409.43*	
		For Class 56 Rating, Add	*543.67*	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,336.26	321.20
		For Class 52 Rating, Deduct	*-203.45*	
		For Class 54 Rating, Add	*283.28*	
		For Class 55 Rating, Add	*424.14*	
		For Class 56 Rating, Add	*563.15*	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,407.88	325.43
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*293.14*	
		For Class 55 Rating, Add	*438.84*	
		For Class 56 Rating, Add	*582.62*	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,479.52	329.64
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*303.00*	
		For Class 55 Rating, Add	*453.54*	
		For Class 56 Rating, Add	*602.10*	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,551.16	333.85
		For Class 52 Rating, Deduct	*-224.99*	
		For Class 54 Rating, Add	*312.87*	
		For Class 55 Rating, Add	*468.25*	
		For Class 56 Rating, Add	*621.58*	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.80	338.07
		For Class 52 Rating, Deduct	*-232.16*	
		For Class 54 Rating, Add	*322.73*	
		For Class 55 Rating, Add	*482.95*	
		For Class 56 Rating, Add	*641.06*	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,694.43	342.28
		For Class 52 Rating, Deduct	*-239.34*	
		For Class 54 Rating, Add	*332.60*	
		For Class 55 Rating, Add	*497.65*	
		For Class 56 Rating, Add	*660.54*	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,766.07	346.50
		For Class 52 Rating, Deduct	*-246.52*	
		For Class 54 Rating, Add	*342.46*	
		For Class 55 Rating, Add	*512.36*	
		For Class 56 Rating, Add	*680.02*	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,837.71	350.71
		For Class 52 Rating, Deduct	*-253.70*	
		For Class 54 Rating, Add	*352.32*	
		For Class 55 Rating, Add	*527.06*	
		For Class 56 Rating, Add	*699.49*	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,909.34	354.93
		For Class 52 Rating, Deduct	*-260.87*	
		For Class 54 Rating, Add	*362.19*	
		For Class 55 Rating, Add	*541.77*	
		For Class 56 Rating, Add	*718.97*	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,980.98	359.15
		For Class 52 Rating, Deduct	*-268.05*	
		For Class 54 Rating, Add	*372.05*	
		For Class 55 Rating, Add	*556.47*	
		For Class 56 Rating, Add	*738.45*	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,052.62	363.36
		For Class 52 Rating, Deduct	*-275.23*	
		For Class 54 Rating, Add	*381.92*	
		For Class 55 Rating, Add	*571.17*	
		For Class 56 Rating, Add	*757.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,124.25	367.57
		For Class 52 Rating, Deduct	*-282.41*	
		For Class 54 Rating, Add	*391.78*	
		For Class 55 Rating, Add	*585.88*	
		For Class 56 Rating, Add	*777.41*	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,195.89	371.79
		For Class 52 Rating, Deduct	*-289.58*	
		For Class 54 Rating, Add	*401.65*	
		For Class 55 Rating, Add	*600.58*	
		For Class 56 Rating, Add	*796.89*	
40 05 19 00-0036	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,267.53	376.00
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*411.51*	
		For Class 55 Rating, Add	*615.29*	
		For Class 56 Rating, Add	*816.37*	
40 05 19 00-0037	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,339.17	380.23
		For Class 52 Rating, Deduct	*-303.94*	
		For Class 54 Rating, Add	*421.37*	
		For Class 55 Rating, Add	*629.99*	
		For Class 56 Rating, Add	*835.85*	
40 05 19 00-0038	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,410.80	384.44
		For Class 52 Rating, Deduct	*-311.12*	
		For Class 54 Rating, Add	*431.24*	
		For Class 55 Rating, Add	*644.69*	
		For Class 56 Rating, Add	*855.32*	
40 05 19 00-0039	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,482.44	388.65
		For Class 52 Rating, Deduct	*-318.29*	
		For Class 54 Rating, Add	*441.10*	
		For Class 55 Rating, Add	*659.40*	
		For Class 56 Rating, Add	*874.80*	
40 05 19 00-0040	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,554.08	392.87
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*450.97*	
		For Class 55 Rating, Add	*674.10*	
		For Class 56 Rating, Add	*894.28*	
40 05 19 00-0041	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,625.71	397.08
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*460.83*	
		For Class 55 Rating, Add	*688.81*	
		For Class 56 Rating, Add	*913.76*	
40 05 19 00-0042	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,697.35	401.30
		For Class 52 Rating, Deduct	*-339.83*	
		For Class 54 Rating, Add	*470.69*	
		For Class 55 Rating, Add	*703.51*	
		For Class 56 Rating, Add	*933.24*	

40 05 19 00-0043 6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0044	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,235.32	303.50
		For Class 52 Rating, Deduct	*-85.30*	
		For Class 54 Rating, Add	*121.84*	
		For Class 55 Rating, Add	*183.97*	
		For Class 56 Rating, Add	*245.32*	
40 05 19 00-0045	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,322.01	307.72
		For Class 52 Rating, Deduct	*-94.13*	
		For Class 54 Rating, Add	*133.96*	
		For Class 55 Rating, Add	*202.03*	
		For Class 56 Rating, Add	*269.24*	
40 05 19 00-0046	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,408.71	311.93
		For Class 52 Rating, Deduct	*-102.97*	
		For Class 54 Rating, Add	*146.08*	
		For Class 55 Rating, Add	*220.09*	
		For Class 56 Rating, Add	*293.16*	
40 05 19 00-0047	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,495.40	316.15
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*158.21*	
		For Class 55 Rating, Add	*238.15*	
		For Class 56 Rating, Add	*317.08*	
40 05 19 00-0048	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,582.10	320.36
		For Class 52 Rating, Deduct	*-120.64*	
		For Class 54 Rating, Add	*170.33*	
		For Class 55 Rating, Add	*256.21*	
		For Class 56 Rating, Add	*341.00*	
40 05 19 00-0049	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,668.79	324.58
		For Class 52 Rating, Deduct	*-129.47*	
		For Class 54 Rating, Add	*182.45*	
		For Class 55 Rating, Add	*274.27*	
		For Class 56 Rating, Add	*364.92*	
40 05 19 00-0050	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,755.49	328.80
		For Class 52 Rating, Deduct	*-138.30*	
		For Class 54 Rating, Add	*194.57*	
		For Class 55 Rating, Add	*292.34*	
		For Class 56 Rating, Add	*388.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0051	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,842.18	333.01
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*206.70*	
		For Class 55 Rating, Add	*310.40*	
		For Class 56 Rating, Add	*412.76*	
40 05 19 00-0052	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,928.87	337.23
		For Class 52 Rating, Deduct	*-155.97*	
		For Class 54 Rating, Add	*218.82*	
		For Class 55 Rating, Add	*328.46*	
		For Class 56 Rating, Add	*436.68*	
40 05 19 00-0053	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,015.57	341.44
		For Class 52 Rating, Deduct	*-164.81*	
		For Class 54 Rating, Add	*230.94*	
		For Class 55 Rating, Add	*346.52*	
		For Class 56 Rating, Add	*460.60*	
40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,102.26	345.65
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*243.07*	
		For Class 55 Rating, Add	*364.58*	
		For Class 56 Rating, Add	*484.52*	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,188.96	349.87
		For Class 52 Rating, Deduct	*-182.47*	
		For Class 54 Rating, Add	*255.19*	
		For Class 55 Rating, Add	*382.65*	
		For Class 56 Rating, Add	*508.44*	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,275.65	354.09
		For Class 52 Rating, Deduct	*-191.31*	
		For Class 54 Rating, Add	*267.31*	
		For Class 55 Rating, Add	*400.71*	
		For Class 56 Rating, Add	*532.36*	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,362.34	358.30
		For Class 52 Rating, Deduct	*-200.14*	
		For Class 54 Rating, Add	*279.43*	
		For Class 55 Rating, Add	*418.77*	
		For Class 56 Rating, Add	*556.28*	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,449.04	362.52
		For Class 52 Rating, Deduct	*-208.97*	
		For Class 54 Rating, Add	*291.56*	
		For Class 55 Rating, Add	*436.83*	
		For Class 56 Rating, Add	*580.21*	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,535.73	366.73
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*303.68*	
		For Class 55 Rating, Add	*454.89*	
		For Class 56 Rating, Add	*604.12*	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.43	370.95
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*315.80*	
		For Class 55 Rating, Add	*472.95*	
		For Class 56 Rating, Add	*628.05*	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,709.12	375.16
		For Class 52 Rating, Deduct	*-235.48*	
		For Class 54 Rating, Add	*327.92*	
		For Class 55 Rating, Add	*491.02*	
		For Class 56 Rating, Add	*651.97*	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,795.82	379.37
		For Class 52 Rating, Deduct	*-244.31*	
		For Class 54 Rating, Add	*340.05*	
		For Class 55 Rating, Add	*509.08*	
		For Class 56 Rating, Add	*675.89*	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,882.51	383.60
		For Class 52 Rating, Deduct	*-253.14*	
		For Class 54 Rating, Add	*352.17*	
		For Class 55 Rating, Add	*527.14*	
		For Class 56 Rating, Add	*699.81*	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,969.20	387.81
		For Class 52 Rating, Deduct	*-261.98*	
		For Class 54 Rating, Add	*364.29*	
		For Class 55 Rating, Add	*545.20*	
		For Class 56 Rating, Add	*723.73*	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,055.90	392.02
		For Class 52 Rating, Deduct	*-270.81*	
		For Class 54 Rating, Add	*376.42*	
		For Class 55 Rating, Add	*563.26*	
		For Class 56 Rating, Add	*747.65*	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,142.59	396.24
		For Class 52 Rating, Deduct	*-279.64*	
		For Class 54 Rating, Add	*388.54*	
		For Class 55 Rating, Add	*581.32*	
		For Class 56 Rating, Add	*771.57*	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,229.28	400.45
		For Class 52 Rating, Deduct	*-288.48*	
		For Class 54 Rating, Add	*400.66*	
		For Class 55 Rating, Add	*599.39*	
		For Class 56 Rating, Add	*795.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,315.97	404.67
		For Class 52 Rating, Deduct	*-297.31*	
		For Class 54 Rating, Add	*412.78*	
		For Class 55 Rating, Add	*617.45*	
		For Class 56 Rating, Add	*819.41*	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,402.67	408.89
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*424.91*	
		For Class 55 Rating, Add	*635.51*	
		For Class 56 Rating, Add	*843.33*	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,489.36	413.10
		For Class 52 Rating, Deduct	*-314.98*	
		For Class 54 Rating, Add	*437.03*	
		For Class 55 Rating, Add	*653.57*	
		For Class 56 Rating, Add	*867.25*	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,576.05	417.32
		For Class 52 Rating, Deduct	*-323.81*	
		For Class 54 Rating, Add	*449.15*	
		For Class 55 Rating, Add	*671.63*	
		For Class 56 Rating, Add	*891.17*	
40 05 19 00-0072	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,662.75	421.53
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*461.27*	
		For Class 55 Rating, Add	*689.70*	
		For Class 56 Rating, Add	*915.09*	
40 05 19 00-0073	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,749.45	425.75
		For Class 52 Rating, Deduct	*-341.48*	
		For Class 54 Rating, Add	*473.40*	
		For Class 55 Rating, Add	*707.76*	
		For Class 56 Rating, Add	*939.01*	
40 05 19 00-0074	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,836.13	429.96
		For Class 52 Rating, Deduct	*-350.31*	
		For Class 54 Rating, Add	*485.52*	
		For Class 55 Rating, Add	*725.82*	
		For Class 56 Rating, Add	*962.93*	
40 05 19 00-0075	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,922.83	434.17
		For Class 52 Rating, Deduct	*-359.15*	
		For Class 54 Rating, Add	*497.64*	
		For Class 55 Rating, Add	*743.88*	
		For Class 56 Rating, Add	*986.85*	
40 05 19 00-0076	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,009.53	438.40
		For Class 52 Rating, Deduct	*-367.98*	
		For Class 54 Rating, Add	*509.77*	
		For Class 55 Rating, Add	*761.94*	
		For Class 56 Rating, Add	*1,010.78*	
40 05 19 00-0077	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,096.21	442.61
		For Class 52 Rating, Deduct	*-376.82*	
		For Class 54 Rating, Add	*521.89*	
		For Class 55 Rating, Add	*780.00*	
		For Class 56 Rating, Add	*1,034.69*	
40 05 19 00-0078	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,182.91	446.82
		For Class 52 Rating, Deduct	*-385.65*	
		For Class 54 Rating, Add	*534.01*	
		For Class 55 Rating, Add	*798.07*	
		For Class 56 Rating, Add	*1,058.62*	
40 05 19 00-0079	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,269.61	451.04
		For Class 52 Rating, Deduct	*-394.48*	
		For Class 54 Rating, Add	*546.13*	
		For Class 55 Rating, Add	*816.13*	
		For Class 56 Rating, Add	*1,082.54*	
40 05 19 00-0080	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,356.31	455.25
		For Class 52 Rating, Deduct	*-403.32*	
		For Class 54 Rating, Add	*558.26*	
		For Class 55 Rating, Add	*834.19*	
		For Class 56 Rating, Add	*1,106.46*	
40 05 19 00-0081	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,442.99	459.47
		For Class 52 Rating, Deduct	*-412.15*	
		For Class 54 Rating, Add	*570.38*	
		For Class 55 Rating, Add	*852.25*	
		For Class 56 Rating, Add	*1,130.38*	
40 05 19 00-0082	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,529.69	463.68
		For Class 52 Rating, Deduct	*-420.99*	
		For Class 54 Rating, Add	*582.50*	
		For Class 55 Rating, Add	*870.31*	
		For Class 56 Rating, Add	*1,154.30*	
40 05 19 00-0083		8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0084	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,729.46	387.81
		For Class 52 Rating, Deduct	*-125.61*	
		For Class 54 Rating, Add	*178.33*	
		For Class 55 Rating, Add	*268.74*	
		For Class 56 Rating, Add	*358.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0085	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,846.27	392.02
		For Class 52 Rating, Deduct	*-137.75*	
		For Class 54 Rating, Add	*194.97*	
		For Class 55 Rating, Add	*293.52*	
		For Class 56 Rating, Add	*390.81*	
40 05 19 00-0086	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,963.08	396.24
		For Class 52 Rating, Deduct	*-149.90*	
		For Class 54 Rating, Add	*211.61*	
		For Class 55 Rating, Add	*318.29*	
		For Class 56 Rating, Add	*423.61*	
40 05 19 00-0087	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,079.89	400.45
		For Class 52 Rating, Deduct	*-162.05*	
		For Class 54 Rating, Add	*228.25*	
		For Class 55 Rating, Add	*343.07*	
		For Class 56 Rating, Add	*456.42*	
40 05 19 00-0088	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,196.69	404.67
		For Class 52 Rating, Deduct	*-174.19*	
		For Class 54 Rating, Add	*244.89*	
		For Class 55 Rating, Add	*367.85*	
		For Class 56 Rating, Add	*489.22*	
40 05 19 00-0089	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,313.50	408.89
		For Class 52 Rating, Deduct	*-186.34*	
		For Class 54 Rating, Add	*261.53*	
		For Class 55 Rating, Add	*392.63*	
		For Class 56 Rating, Add	*522.03*	
40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,430.31	413.10
		For Class 52 Rating, Deduct	*-198.48*	
		For Class 54 Rating, Add	*278.17*	
		For Class 55 Rating, Add	*417.40*	
		For Class 56 Rating, Add	*554.83*	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,547.11	417.32
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*294.81*	
		For Class 55 Rating, Add	*442.18*	
		For Class 56 Rating, Add	*587.63*	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,663.93	421.53
		For Class 52 Rating, Deduct	*-222.78*	
		For Class 54 Rating, Add	*311.45*	
		For Class 55 Rating, Add	*466.96*	
		For Class 56 Rating, Add	*620.44*	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,780.74	425.75
		For Class 52 Rating, Deduct	*-234.92*	
		For Class 54 Rating, Add	*328.09*	
		For Class 55 Rating, Add	*491.74*	
		For Class 56 Rating, Add	*653.25*	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,897.54	429.96
		For Class 52 Rating, Deduct	*-247.07*	
		For Class 54 Rating, Add	*344.73*	
		For Class 55 Rating, Add	*516.51*	
		For Class 56 Rating, Add	*686.05*	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,014.35	434.17
		For Class 52 Rating, Deduct	*-259.22*	
		For Class 54 Rating, Add	*361.37*	
		For Class 55 Rating, Add	*541.29*	
		For Class 56 Rating, Add	*718.85*	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,131.17	438.40
		For Class 52 Rating, Deduct	*-271.36*	
		For Class 54 Rating, Add	*378.01*	
		For Class 55 Rating, Add	*566.07*	
		For Class 56 Rating, Add	*751.66*	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,247.97	442.61
		For Class 52 Rating, Deduct	*-283.51*	
		For Class 54 Rating, Add	*394.65*	
		For Class 55 Rating, Add	*590.85*	
		For Class 56 Rating, Add	*784.46*	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,364.78	446.82
		For Class 52 Rating, Deduct	*-295.66*	
		For Class 54 Rating, Add	*411.29*	
		For Class 55 Rating, Add	*615.62*	
		For Class 56 Rating, Add	*817.27*	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,481.59	451.04
		For Class 52 Rating, Deduct	*-307.80*	
		For Class 54 Rating, Add	*427.93*	
		For Class 55 Rating, Add	*640.40*	
		For Class 56 Rating, Add	*850.07*	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,598.41	455.25
		For Class 52 Rating, Deduct	*-319.95*	
		For Class 54 Rating, Add	*444.57*	
		For Class 55 Rating, Add	*665.18*	
		For Class 56 Rating, Add	*882.88*	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,715.21	459.47
		For Class 52 Rating, Deduct	*-332.10*	
		For Class 54 Rating, Add	*461.21*	
		For Class 55 Rating, Add	*689.96*	
		For Class 56 Rating, Add	*915.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,832.02	463.68
		For Class 52 Rating, Deduct	*-344.24*	
		For Class 54 Rating, Add	*477.85*	
		For Class 55 Rating, Add	*714.73*	
		For Class 56 Rating, Add	*948.49*	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,948.83	467.90
		For Class 52 Rating, Deduct	*-356.39*	
		For Class 54 Rating, Add	*494.49*	
		For Class 55 Rating, Add	*739.51*	
		For Class 56 Rating, Add	*981.29*	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,065.64	472.12
		For Class 52 Rating, Deduct	*-368.54*	
		For Class 54 Rating, Add	*511.13*	
		For Class 55 Rating, Add	*764.29*	
		For Class 56 Rating, Add	*1,014.10*	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,182.45	476.33
		For Class 52 Rating, Deduct	*-380.68*	
		For Class 54 Rating, Add	*527.77*	
		For Class 55 Rating, Add	*789.07*	
		For Class 56 Rating, Add	*1,046.90*	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,299.26	480.55
		For Class 52 Rating, Deduct	*-392.83*	
		For Class 54 Rating, Add	*544.41*	
		For Class 55 Rating, Add	*813.84*	
		For Class 56 Rating, Add	*1,079.70*	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,416.06	484.76
		For Class 52 Rating, Deduct	*-404.97*	
		For Class 54 Rating, Add	*561.05*	
		For Class 55 Rating, Add	*838.62*	
		For Class 56 Rating, Add	*1,112.51*	
40 05 19 00-0108	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,532.88	488.97
		For Class 52 Rating, Deduct	*-417.12*	
		For Class 54 Rating, Add	*577.69*	
		For Class 55 Rating, Add	*863.40*	
		For Class 56 Rating, Add	*1,145.31*	
40 05 19 00-0109	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,649.69	493.20
		For Class 52 Rating, Deduct	*-429.27*	
		For Class 54 Rating, Add	*594.33*	
		For Class 55 Rating, Add	*888.18*	
		For Class 56 Rating, Add	*1,178.12*	
40 05 19 00-0110	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,766.50	497.41
		For Class 52 Rating, Deduct	*-441.41*	
		For Class 54 Rating, Add	*610.97*	
		For Class 55 Rating, Add	*912.95*	
		For Class 56 Rating, Add	*1,210.92*	
40 05 19 00-0111	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,883.30	501.62
		For Class 52 Rating, Deduct	*-453.56*	
		For Class 54 Rating, Add	*627.61*	
		For Class 55 Rating, Add	*937.73*	
		For Class 56 Rating, Add	*1,243.73*	
40 05 19 00-0112	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,000.12	505.84
		For Class 52 Rating, Deduct	*-465.71*	
		For Class 54 Rating, Add	*644.25*	
		For Class 55 Rating, Add	*962.51*	
		For Class 56 Rating, Add	*1,276.53*	
40 05 19 00-0113	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,116.93	510.05
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*660.89*	
		For Class 55 Rating, Add	*987.29*	
		For Class 56 Rating, Add	*1,309.34*	
40 05 19 00-0114	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,233.73	514.27
		For Class 52 Rating, Deduct	*-490.00*	
		For Class 54 Rating, Add	*677.53*	
		For Class 55 Rating, Add	*1,012.06*	
		For Class 56 Rating, Add	*1,342.14*	
40 05 19 00-0115	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,350.54	518.48
		For Class 52 Rating, Deduct	*-502.15*	
		For Class 54 Rating, Add	*694.17*	
		For Class 55 Rating, Add	*1,036.84*	
		For Class 56 Rating, Add	*1,374.94*	
40 05 19 00-0116	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,467.35	522.70
		For Class 52 Rating, Deduct	*-514.29*	
		For Class 54 Rating, Add	*710.81*	
		For Class 55 Rating, Add	*1,061.62*	
		For Class 56 Rating, Add	*1,407.75*	
40 05 19 00-0117	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,584.16	526.92
		For Class 52 Rating, Deduct	*-526.44*	
		For Class 54 Rating, Add	*727.45*	
		For Class 55 Rating, Add	*1,086.40*	
		For Class 56 Rating, Add	*1,440.55*	
40 05 19 00-0118	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,700.97	531.13
		For Class 52 Rating, Deduct	*-538.59*	
		For Class 54 Rating, Add	*744.09*	
		For Class 55 Rating, Add	*1,111.17*	
		For Class 56 Rating, Add	*1,473.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0119	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,817.78	535.34
		For Class 52 Rating, Deduct	*-550.73*	
		For Class 54 Rating, Add	*760.73*	
		For Class 55 Rating, Add	*1,135.95*	
		For Class 56 Rating, Add	*1,506.16*	
40 05 19 00-0120	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,934.59	539.56
		For Class 52 Rating, Deduct	*-562.88*	
		For Class 54 Rating, Add	*777.37*	
		For Class 55 Rating, Add	*1,160.73*	
		For Class 56 Rating, Add	*1,538.97*	
40 05 19 00-0121	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,051.40	543.77
		For Class 52 Rating, Deduct	*-575.03*	
		For Class 54 Rating, Add	*794.01*	
		For Class 55 Rating, Add	*1,185.51*	
		For Class 56 Rating, Add	*1,571.77*	
40 05 19 00-0122	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,168.21	547.99
		For Class 52 Rating, Deduct	*-587.17*	
		For Class 54 Rating, Add	*810.65*	
		For Class 55 Rating, Add	*1,210.28*	
		For Class 56 Rating, Add	*1,604.58*	

40 05 19 00-0123 10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0124	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,180.93	472.12
		For Class 52 Rating, Deduct	*-161.22*	
		For Class 54 Rating, Add	*228.43*	
		For Class 55 Rating, Add	*344.00*	
		For Class 56 Rating, Add	*458.11*	
40 05 19 00-0125	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,332.87	476.33
		For Class 52 Rating, Deduct	*-177.23*	
		For Class 54 Rating, Add	*250.33*	
		For Class 55 Rating, Add	*376.61*	
		For Class 56 Rating, Add	*501.27*	
40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,484.82	480.55
		For Class 52 Rating, Deduct	*-193.24*	
		For Class 54 Rating, Add	*272.25*	
		For Class 55 Rating, Add	*409.22*	
		For Class 56 Rating, Add	*544.44*	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,636.76	484.76
		For Class 52 Rating, Deduct	*-209.25*	
		For Class 54 Rating, Add	*294.16*	
		For Class 55 Rating, Add	*441.84*	
		For Class 56 Rating, Add	*587.61*	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,788.70	488.97
		For Class 52 Rating, Deduct	*-225.26*	
		For Class 54 Rating, Add	*316.06*	
		For Class 55 Rating, Add	*474.45*	
		For Class 56 Rating, Add	*630.78*	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,940.65	493.20
		For Class 52 Rating, Deduct	*-241.27*	
		For Class 54 Rating, Add	*337.98*	
		For Class 55 Rating, Add	*507.06*	
		For Class 56 Rating, Add	*673.95*	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,092.60	497.41
		For Class 52 Rating, Deduct	*-257.28*	
		For Class 54 Rating, Add	*359.89*	
		For Class 55 Rating, Add	*539.67*	
		For Class 56 Rating, Add	*717.12*	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,244.53	501.62
		For Class 52 Rating, Deduct	*-273.30*	
		For Class 54 Rating, Add	*381.80*	
		For Class 55 Rating, Add	*572.28*	
		For Class 56 Rating, Add	*760.29*	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,396.48	505.84
		For Class 52 Rating, Deduct	*-289.31*	
		For Class 54 Rating, Add	*403.71*	
		For Class 55 Rating, Add	*604.90*	
		For Class 56 Rating, Add	*803.46*	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,548.43	510.05
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*425.62*	
		For Class 55 Rating, Add	*637.51*	
		For Class 56 Rating, Add	*846.63*	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,700.36	514.27
		For Class 52 Rating, Deduct	*-321.33*	
		For Class 54 Rating, Add	*447.53*	
		For Class 55 Rating, Add	*670.12*	
		For Class 56 Rating, Add	*889.80*	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,852.31	518.48
		For Class 52 Rating, Deduct	*-337.34*	
		For Class 54 Rating, Add	*469.44*	
		For Class 55 Rating, Add	*702.73*	
		For Class 56 Rating, Add	*932.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,004.26	522.70
		For Class 52 Rating, Deduct	*-353.35*	
		For Class 54 Rating, Add	*491.35*	
		For Class 55 Rating, Add	*735.35*	
		For Class 56 Rating, Add	*976.14*	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,156.19	526.92
		For Class 52 Rating, Deduct	*-369.36*	
		For Class 54 Rating, Add	*513.26*	
		For Class 55 Rating, Add	*767.96*	
		For Class 56 Rating, Add	*1,019.30*	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,308.14	531.13
		For Class 52 Rating, Deduct	*-385.37*	
		For Class 54 Rating, Add	*535.17*	
		For Class 55 Rating, Add	*800.57*	
		For Class 56 Rating, Add	*1,062.47*	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,460.09	535.34
		For Class 52 Rating, Deduct	*-401.39*	
		For Class 54 Rating, Add	*557.08*	
		For Class 55 Rating, Add	*833.19*	
		For Class 56 Rating, Add	*1,105.64*	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,612.04	539.56
		For Class 52 Rating, Deduct	*-417.40*	
		For Class 54 Rating, Add	*578.99*	
		For Class 55 Rating, Add	*865.80*	
		For Class 56 Rating, Add	*1,148.81*	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,763.97	543.77
		For Class 52 Rating, Deduct	*-433.41*	
		For Class 54 Rating, Add	*600.90*	
		For Class 55 Rating, Add	*898.41*	
		For Class 56 Rating, Add	*1,191.98*	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,915.92	547.99
		For Class 52 Rating, Deduct	*-449.42*	
		For Class 54 Rating, Add	*622.81*	
		For Class 55 Rating, Add	*931.02*	
		For Class 56 Rating, Add	*1,235.15*	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,067.87	552.21
		For Class 52 Rating, Deduct	*-465.43*	
		For Class 54 Rating, Add	*644.72*	
		For Class 55 Rating, Add	*963.64*	
		For Class 56 Rating, Add	*1,278.32*	
40 05 19 00-0144	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,219.80	556.42
		For Class 52 Rating, Deduct	*-481.44*	
		For Class 54 Rating, Add	*666.63*	
		For Class 55 Rating, Add	*996.25*	
		For Class 56 Rating, Add	*1,321.49*	
40 05 19 00-0145	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,371.75	560.64
		For Class 52 Rating, Deduct	*-497.45*	
		For Class 54 Rating, Add	*688.54*	
		For Class 55 Rating, Add	*1,028.86*	
		For Class 56 Rating, Add	*1,364.66*	
40 05 19 00-0146	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,523.70	564.85
		For Class 52 Rating, Deduct	*-513.46*	
		For Class 54 Rating, Add	*710.45*	
		For Class 55 Rating, Add	*1,061.47*	
		For Class 56 Rating, Add	*1,407.83*	
40 05 19 00-0147	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,675.63	569.07
		For Class 52 Rating, Deduct	*-529.48*	
		For Class 54 Rating, Add	*732.36*	
		For Class 55 Rating, Add	*1,094.08*	
		For Class 56 Rating, Add	*1,451.00*	
40 05 19 00-0148	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,827.58	573.28
		For Class 52 Rating, Deduct	*-545.49*	
		For Class 54 Rating, Add	*754.27*	
		For Class 55 Rating, Add	*1,126.70*	
		For Class 56 Rating, Add	*1,494.17*	
40 05 19 00-0149	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,979.53	577.49
		For Class 52 Rating, Deduct	*-561.50*	
		For Class 54 Rating, Add	*776.18*	
		For Class 55 Rating, Add	*1,159.31*	
		For Class 56 Rating, Add	*1,537.34*	
40 05 19 00-0150	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,131.47	581.72
		For Class 52 Rating, Deduct	*-577.51*	
		For Class 54 Rating, Add	*798.09*	
		For Class 55 Rating, Add	*1,191.92*	
		For Class 56 Rating, Add	*1,580.50*	
40 05 19 00-0151	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,283.41	585.93
		For Class 52 Rating, Deduct	*-593.52*	
		For Class 54 Rating, Add	*820.00*	
		For Class 55 Rating, Add	*1,224.53*	
		For Class 56 Rating, Add	*1,623.67*	
40 05 19 00-0152	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,435.36	590.14
		For Class 52 Rating, Deduct	*-609.53*	
		For Class 54 Rating, Add	*841.91*	
		For Class 55 Rating, Add	*1,257.15*	
		For Class 56 Rating, Add	*1,666.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0153	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,587.30	594.36
		For Class 52 Rating, Deduct	*-625.54*	
		For Class 54 Rating, Add	*863.82*	
		For Class 55 Rating, Add	*1,289.76*	
		For Class 56 Rating, Add	*1,710.01*	
40 05 19 00-0154	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,739.24	598.57
		For Class 52 Rating, Deduct	*-641.55*	
		For Class 54 Rating, Add	*885.73*	
		For Class 55 Rating, Add	*1,322.37*	
		For Class 56 Rating, Add	*1,753.18*	
40 05 19 00-0155	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,888.68	602.79
		For Class 52 Rating, Deduct	*-657.29*	
		For Class 54 Rating, Add	*907.26*	
		For Class 55 Rating, Add	*1,354.42*	
		For Class 56 Rating, Add	*1,795.61*	
40 05 19 00-0156	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,043.13	607.01
		For Class 52 Rating, Deduct	*-673.58*	
		For Class 54 Rating, Add	*929.55*	
		For Class 55 Rating, Add	*1,387.60*	
		For Class 56 Rating, Add	*1,839.52*	
40 05 19 00-0157	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,195.07	611.22
		For Class 52 Rating, Deduct	*-689.59*	
		For Class 54 Rating, Add	*951.46*	
		For Class 55 Rating, Add	*1,420.21*	
		For Class 56 Rating, Add	*1,882.69*	
40 05 19 00-0158	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,347.02	615.44
		For Class 52 Rating, Deduct	*-705.60*	
		For Class 54 Rating, Add	*973.37*	
		For Class 55 Rating, Add	*1,452.82*	
		For Class 56 Rating, Add	*1,925.86*	
40 05 19 00-0159	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,498.96	619.65
		For Class 52 Rating, Deduct	*-721.61*	
		For Class 54 Rating, Add	*995.28*	
		For Class 55 Rating, Add	*1,485.43*	
		For Class 56 Rating, Add	*1,969.03*	
40 05 19 00-0160	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,650.91	623.86
		For Class 52 Rating, Deduct	*-737.62*	
		For Class 54 Rating, Add	*1,017.19*	
		For Class 55 Rating, Add	*1,518.05*	
		For Class 56 Rating, Add	*2,012.20*	
40 05 19 00-0161	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,802.85	628.08
		For Class 52 Rating, Deduct	*-753.63*	
		For Class 54 Rating, Add	*1,039.10*	
		For Class 55 Rating, Add	*1,550.66*	
		For Class 56 Rating, Add	*2,055.37*	
40 05 19 00-0162	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,954.79	632.29
		For Class 52 Rating, Deduct	*-769.64*	
		For Class 54 Rating, Add	*1,061.01*	
		For Class 55 Rating, Add	*1,583.27*	
		For Class 56 Rating, Add	*2,098.53*	

40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0164	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,856.67	590.14
		For Class 52 Rating, Deduct	*-215.88*	
		For Class 54 Rating, Add	*305.11*	
		For Class 55 Rating, Add	*459.10*	
		For Class 56 Rating, Add	*611.13*	
40 05 19 00-0165	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,046.26	594.36
		For Class 52 Rating, Deduct	*-236.03*	
		For Class 54 Rating, Add	*332.66*	
		For Class 55 Rating, Add	*500.11*	
		For Class 56 Rating, Add	*665.40*	
40 05 19 00-0166	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,235.84	598.57
		For Class 52 Rating, Deduct	*-256.18*	
		For Class 54 Rating, Add	*360.22*	
		For Class 55 Rating, Add	*541.11*	
		For Class 56 Rating, Add	*719.68*	
40 05 19 00-0167	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,425.43	602.79
		For Class 52 Rating, Deduct	*-276.33*	
		For Class 54 Rating, Add	*387.78*	
		For Class 55 Rating, Add	*582.12*	
		For Class 56 Rating, Add	*773.95*	
40 05 19 00-0168	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,615.02	607.01
		For Class 52 Rating, Deduct	*-296.48*	
		For Class 54 Rating, Add	*415.33*	
		For Class 55 Rating, Add	*623.13*	
		For Class 56 Rating, Add	*828.23*	
40 05 19 00-0169	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,804.60	611.22
		For Class 52 Rating, Deduct	*-316.64*	
		For Class 54 Rating, Add	*442.89*	
		For Class 55 Rating, Add	*664.13*	
		For Class 56 Rating, Add	*882.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0170	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,994.19	615.44
		For Class 52 Rating, Deduct	*-336.79*	
		For Class 54 Rating, Add	*470.45*	
		For Class 55 Rating, Add	*705.14*	
		For Class 56 Rating, Add	*936.77*	
40 05 19 00-0171	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,183.78	619.65
		For Class 52 Rating, Deduct	*-356.94*	
		For Class 54 Rating, Add	*498.00*	
		For Class 55 Rating, Add	*746.15*	
		For Class 56 Rating, Add	*991.05*	
40 05 19 00-0172	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,373.37	623.86
		For Class 52 Rating, Deduct	*-377.09*	
		For Class 54 Rating, Add	*525.56*	
		For Class 55 Rating, Add	*787.15*	
		For Class 56 Rating, Add	*1,045.32*	
40 05 19 00-0173	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,562.95	628.08
		For Class 52 Rating, Deduct	*-397.24*	
		For Class 54 Rating, Add	*553.12*	
		For Class 55 Rating, Add	*828.16*	
		For Class 56 Rating, Add	*1,099.60*	
40 05 19 00-0174	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,752.55	632.29
		For Class 52 Rating, Deduct	*-417.40*	
		For Class 54 Rating, Add	*580.67*	
		For Class 55 Rating, Add	*869.17*	
		For Class 56 Rating, Add	*1,153.87*	
40 05 19 00-0175	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,942.14	636.52
		For Class 52 Rating, Deduct	*-437.55*	
		For Class 54 Rating, Add	*608.23*	
		For Class 55 Rating, Add	*910.18*	
		For Class 56 Rating, Add	*1,208.15*	
40 05 19 00-0176	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,131.72	640.73
		For Class 52 Rating, Deduct	*-457.70*	
		For Class 54 Rating, Add	*635.79*	
		For Class 55 Rating, Add	*951.18*	
		For Class 56 Rating, Add	*1,262.42*	
40 05 19 00-0177	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,321.31	644.94
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*663.34*	
		For Class 55 Rating, Add	*992.19*	
		For Class 56 Rating, Add	*1,316.69*	
40 05 19 00-0178	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,510.90	649.16
		For Class 52 Rating, Deduct	*-498.01*	
		For Class 54 Rating, Add	*690.90*	
		For Class 55 Rating, Add	*1,033.20*	
		For Class 56 Rating, Add	*1,370.97*	
40 05 19 00-0179	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,700.48	653.37
		For Class 52 Rating, Deduct	*-518.16*	
		For Class 54 Rating, Add	*718.46*	
		For Class 55 Rating, Add	*1,074.21*	
		For Class 56 Rating, Add	*1,425.24*	
40 05 19 00-0180	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,890.07	657.59
		For Class 52 Rating, Deduct	*-538.31*	
		For Class 54 Rating, Add	*746.01*	
		For Class 55 Rating, Add	*1,115.21*	
		For Class 56 Rating, Add	*1,479.52*	
40 05 19 00-0181	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,079.66	661.80
		For Class 52 Rating, Deduct	*-558.46*	
		For Class 54 Rating, Add	*773.57*	
		For Class 55 Rating, Add	*1,156.22*	
		For Class 56 Rating, Add	*1,533.79*	
40 05 19 00-0182	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,269.25	666.02
		For Class 52 Rating, Deduct	*-578.61*	
		For Class 54 Rating, Add	*801.13*	
		For Class 55 Rating, Add	*1,197.23*	
		For Class 56 Rating, Add	*1,588.06*	
40 05 19 00-0183	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,458.83	670.24
		For Class 52 Rating, Deduct	*-598.77*	
		For Class 54 Rating, Add	*828.68*	
		For Class 55 Rating, Add	*1,238.23*	
		For Class 56 Rating, Add	*1,642.34*	
40 05 19 00-0184	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,648.41	674.45
		For Class 52 Rating, Deduct	*-618.92*	
		For Class 54 Rating, Add	*856.24*	
		For Class 55 Rating, Add	*1,279.24*	
		For Class 56 Rating, Add	*1,696.61*	
40 05 19 00-0185	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,838.00	678.66
		For Class 52 Rating, Deduct	*-639.07*	
		For Class 54 Rating, Add	*883.80*	
		For Class 55 Rating, Add	*1,320.25*	
		For Class 56 Rating, Add	*1,750.89*	
40 05 19 00-0186	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,027.58	682.88
		For Class 52 Rating, Deduct	*-659.22*	
		For Class 54 Rating, Add	*911.35*	
		For Class 55 Rating, Add	*1,361.25*	
		For Class 56 Rating, Add	*1,805.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0187	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,217.18	687.09
		For Class 52 Rating, Deduct	*-679.37*	
		For Class 54 Rating, Add	*938.91*	
		For Class 55 Rating, Add	*1,402.26*	
		For Class 56 Rating, Add	*1,859.44*	
40 05 19 00-0188	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,406.77	691.32
		For Class 52 Rating, Deduct	*-699.53*	
		For Class 54 Rating, Add	*966.47*	
		For Class 55 Rating, Add	*1,443.27*	
		For Class 56 Rating, Add	*1,913.71*	
40 05 19 00-0189	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,596.35	695.53
		For Class 52 Rating, Deduct	*-719.68*	
		For Class 54 Rating, Add	*994.03*	
		For Class 55 Rating, Add	*1,484.28*	
		For Class 56 Rating, Add	*1,967.98*	
40 05 19 00-0190	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,785.94	699.74
		For Class 52 Rating, Deduct	*-739.83*	
		For Class 54 Rating, Add	*1,021.58*	
		For Class 55 Rating, Add	*1,525.28*	
		For Class 56 Rating, Add	*2,022.26*	
40 05 19 00-0191	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,975.53	703.96
		For Class 52 Rating, Deduct	*-759.98*	
		For Class 54 Rating, Add	*1,049.14*	
		For Class 55 Rating, Add	*1,566.29*	
		For Class 56 Rating, Add	*2,076.53*	
40 05 19 00-0192	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,165.12	708.17
		For Class 52 Rating, Deduct	*-780.13*	
		For Class 54 Rating, Add	*1,076.70*	
		For Class 55 Rating, Add	*1,607.30*	
		For Class 56 Rating, Add	*2,130.81*	
40 05 19 00-0193	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,354.70	712.39
		For Class 52 Rating, Deduct	*-800.29*	
		For Class 54 Rating, Add	*1,104.25*	
		For Class 55 Rating, Add	*1,648.30*	
		For Class 56 Rating, Add	*2,185.08*	
40 05 19 00-0194	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,544.29	716.60
		For Class 52 Rating, Deduct	*-820.44*	
		For Class 54 Rating, Add	*1,131.81*	
		For Class 55 Rating, Add	*1,689.31*	
		For Class 56 Rating, Add	*2,239.35*	
40 05 19 00-0195	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,733.88	720.82
		For Class 52 Rating, Deduct	*-840.59*	
		For Class 54 Rating, Add	*1,159.37*	
		For Class 55 Rating, Add	*1,730.32*	
		For Class 56 Rating, Add	*2,293.63*	
40 05 19 00-0196	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,923.46	725.04
		For Class 52 Rating, Deduct	*-860.74*	
		For Class 54 Rating, Add	*1,186.92*	
		For Class 55 Rating, Add	*1,771.32*	
		For Class 56 Rating, Add	*2,347.90*	
40 05 19 00-0197	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,113.05	729.25
		For Class 52 Rating, Deduct	*-880.89*	
		For Class 54 Rating, Add	*1,214.48*	
		For Class 55 Rating, Add	*1,812.33*	
		For Class 56 Rating, Add	*2,402.18*	
40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,302.64	733.46
		For Class 52 Rating, Deduct	*-901.05*	
		For Class 54 Rating, Add	*1,242.04*	
		For Class 55 Rating, Add	*1,853.34*	
		For Class 56 Rating, Add	*2,456.45*	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,492.23	737.68
		For Class 52 Rating, Deduct	*-921.20*	
		For Class 54 Rating, Add	*1,269.59*	
		For Class 55 Rating, Add	*1,894.35*	
		For Class 56 Rating, Add	*2,510.73*	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,681.82	741.89
		For Class 52 Rating, Deduct	*-941.35*	
		For Class 54 Rating, Add	*1,297.15*	
		For Class 55 Rating, Add	*1,935.35*	
		For Class 56 Rating, Add	*2,565.00*	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,871.41	746.11
		For Class 52 Rating, Deduct	*-961.50*	
		For Class 54 Rating, Add	*1,324.71*	
		For Class 55 Rating, Add	*1,976.36*	
		For Class 56 Rating, Add	*2,619.27*	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,061.00	750.33
		For Class 52 Rating, Deduct	*-981.66*	
		For Class 54 Rating, Add	*1,352.26*	
		For Class 55 Rating, Add	*2,017.37*	
		For Class 56 Rating, Add	*2,673.55*	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,821.00	708.17
		For Class 52 Rating, Deduct	*-302.28*	
		For Class 54 Rating, Add	*425.08*	
		For Class 55 Rating, Add	*638.56*	
		For Class 56 Rating, Add	*849.29*	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,050.74	712.39
		For Class 52 Rating, Deduct	*-326.85*	
		For Class 54 Rating, Add	*458.66*	
		For Class 55 Rating, Add	*688.52*	
		For Class 56 Rating, Add	*915.41*	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,280.48	716.60
		For Class 52 Rating, Deduct	*-351.42*	
		For Class 54 Rating, Add	*492.24*	
		For Class 55 Rating, Add	*738.48*	
		For Class 56 Rating, Add	*981.53*	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,510.23	720.82
		For Class 52 Rating, Deduct	*-375.99*	
		For Class 54 Rating, Add	*525.82*	
		For Class 55 Rating, Add	*788.44*	
		For Class 56 Rating, Add	*1,047.65*	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,739.96	725.04
		For Class 52 Rating, Deduct	*-400.56*	
		For Class 54 Rating, Add	*559.40*	
		For Class 55 Rating, Add	*838.40*	
		For Class 56 Rating, Add	*1,113.77*	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,969.70	729.25
		For Class 52 Rating, Deduct	*-425.13*	
		For Class 54 Rating, Add	*592.98*	
		For Class 55 Rating, Add	*888.36*	
		For Class 56 Rating, Add	*1,179.89*	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,199.45	733.46
		For Class 52 Rating, Deduct	*-449.70*	
		For Class 54 Rating, Add	*626.56*	
		For Class 55 Rating, Add	*938.33*	
		For Class 56 Rating, Add	*1,246.01*	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,429.18	737.68
		For Class 52 Rating, Deduct	*-474.26*	
		For Class 54 Rating, Add	*660.14*	
		For Class 55 Rating, Add	*988.29*	
		For Class 56 Rating, Add	*1,312.13*	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,658.93	741.89
		For Class 52 Rating, Deduct	*-498.83*	
		For Class 54 Rating, Add	*693.72*	
		For Class 55 Rating, Add	*1,038.25*	
		For Class 56 Rating, Add	*1,378.25*	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,888.67	746.11
		For Class 52 Rating, Deduct	*-523.40*	
		For Class 54 Rating, Add	*727.30*	
		For Class 55 Rating, Add	*1,088.21*	
		For Class 56 Rating, Add	*1,444.37*	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,118.42	750.33
		For Class 52 Rating, Deduct	*-547.97*	
		For Class 54 Rating, Add	*760.88*	
		For Class 55 Rating, Add	*1,138.17*	
		For Class 56 Rating, Add	*1,510.49*	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,348.15	754.54
		For Class 52 Rating, Deduct	*-572.54*	
		For Class 54 Rating, Add	*794.46*	
		For Class 55 Rating, Add	*1,188.13*	
		For Class 56 Rating, Add	*1,576.61*	
40 05 19 00-0216	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,577.89	758.76
		For Class 52 Rating, Deduct	*-597.11*	
		For Class 54 Rating, Add	*828.03*	
		For Class 55 Rating, Add	*1,238.09*	
		For Class 56 Rating, Add	*1,642.72*	
40 05 19 00-0217	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,807.64	762.97
		For Class 52 Rating, Deduct	*-621.68*	
		For Class 54 Rating, Add	*861.62*	
		For Class 55 Rating, Add	*1,288.06*	
		For Class 56 Rating, Add	*1,708.84*	
40 05 19 00-0218	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,037.37	767.18
		For Class 52 Rating, Deduct	*-646.25*	
		For Class 54 Rating, Add	*895.19*	
		For Class 55 Rating, Add	*1,338.02*	
		For Class 56 Rating, Add	*1,774.96*	
40 05 19 00-0219	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,267.12	771.40
		For Class 52 Rating, Deduct	*-670.82*	
		For Class 54 Rating, Add	*928.77*	
		For Class 55 Rating, Add	*1,387.98*	
		For Class 56 Rating, Add	*1,841.08*	
40 05 19 00-0220	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,496.86	775.62
		For Class 52 Rating, Deduct	*-695.38*	
		For Class 54 Rating, Add	*962.35*	
		For Class 55 Rating, Add	*1,437.94*	
		For Class 56 Rating, Add	*1,907.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0221	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,726.60	779.84
		For Class 52 Rating, Deduct	*-719.95*	
		For Class 54 Rating, Add	*995.93*	
		For Class 55 Rating, Add	*1,487.90*	
		For Class 56 Rating, Add	*1,973.32*	
40 05 19 00-0222	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,956.34	784.05
		For Class 52 Rating, Deduct	*-744.52*	
		For Class 54 Rating, Add	*1,029.51*	
		For Class 55 Rating, Add	*1,537.86*	
		For Class 56 Rating, Add	*2,039.44*	
40 05 19 00-0223	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,186.09	788.26
		For Class 52 Rating, Deduct	*-769.09*	
		For Class 54 Rating, Add	*1,063.09*	
		For Class 55 Rating, Add	*1,587.82*	
		For Class 56 Rating, Add	*2,105.56*	
40 05 19 00-0224	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,415.83	792.48
		For Class 52 Rating, Deduct	*-793.66*	
		For Class 54 Rating, Add	*1,096.67*	
		For Class 55 Rating, Add	*1,637.78*	
		For Class 56 Rating, Add	*2,171.68*	
40 05 19 00-0225	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,645.56	796.69
		For Class 52 Rating, Deduct	*-818.23*	
		For Class 54 Rating, Add	*1,130.25*	
		For Class 55 Rating, Add	*1,687.74*	
		For Class 56 Rating, Add	*2,237.80*	
40 05 19 00-0226	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,875.31	800.91
		For Class 52 Rating, Deduct	*-842.80*	
		For Class 54 Rating, Add	*1,163.83*	
		For Class 55 Rating, Add	*1,737.71*	
		For Class 56 Rating, Add	*2,303.92*	
40 05 19 00-0227	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,105.05	805.13
		For Class 52 Rating, Deduct	*-867.37*	
		For Class 54 Rating, Add	*1,197.41*	
		For Class 55 Rating, Add	*1,787.67*	
		For Class 56 Rating, Add	*2,370.04*	
40 05 19 00-0228	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,334.79	809.34
		For Class 52 Rating, Deduct	*-891.94*	
		For Class 54 Rating, Add	*1,230.99*	
		For Class 55 Rating, Add	*1,837.63*	
		For Class 56 Rating, Add	*2,436.16*	
40 05 19 00-0229	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,564.53	813.56
		For Class 52 Rating, Deduct	*-916.51*	
		For Class 54 Rating, Add	*1,264.57*	
		For Class 55 Rating, Add	*1,887.59*	
		For Class 56 Rating, Add	*2,502.28*	
40 05 19 00-0230	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,794.28	817.77
		For Class 52 Rating, Deduct	*-941.08*	
		For Class 54 Rating, Add	*1,298.15*	
		For Class 55 Rating, Add	*1,937.55*	
		For Class 56 Rating, Add	*2,568.40*	
40 05 19 00-0231	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,024.01	821.98
		For Class 52 Rating, Deduct	*-965.64*	
		For Class 54 Rating, Add	*1,331.73*	
		For Class 55 Rating, Add	*1,987.51*	
		For Class 56 Rating, Add	*2,634.52*	
40 05 19 00-0232	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,253.76	826.20
		For Class 52 Rating, Deduct	*-990.21*	
		For Class 54 Rating, Add	*1,365.31*	
		For Class 55 Rating, Add	*2,037.48*	
		For Class 56 Rating, Add	*2,700.64*	
40 05 19 00-0233	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,483.50	830.41
		For Class 52 Rating, Deduct	*-1,014.78*	
		For Class 54 Rating, Add	*1,398.89*	
		For Class 55 Rating, Add	*2,087.44*	
		For Class 56 Rating, Add	*2,766.76*	
40 05 19 00-0234	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,713.24	834.64
		For Class 52 Rating, Deduct	*-1,039.35*	
		For Class 54 Rating, Add	*1,432.47*	
		For Class 55 Rating, Add	*2,137.40*	
		For Class 56 Rating, Add	*2,832.87*	
40 05 19 00-0235	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,942.98	838.85
		For Class 52 Rating, Deduct	*-1,063.92*	
		For Class 54 Rating, Add	*1,466.05*	
		For Class 55 Rating, Add	*2,187.36*	
		For Class 56 Rating, Add	*2,899.00*	
40 05 19 00-0236	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,172.72	843.06
		For Class 52 Rating, Deduct	*-1,088.49*	
		For Class 54 Rating, Add	*1,499.63*	
		For Class 55 Rating, Add	*2,237.32*	
		For Class 56 Rating, Add	*2,965.11*	
40 05 19 00-0237	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,402.47	847.28
		For Class 52 Rating, Deduct	*-1,113.06*	
		For Class 54 Rating, Add	*1,533.21*	
		For Class 55 Rating, Add	*2,287.28*	
		For Class 56 Rating, Add	*3,031.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0238	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,632.20	851.49
		For Class 52 Rating, Deduct	*-1,137.63*	
		For Class 54 Rating, Add	*1,566.79*	
		For Class 55 Rating, Add	*2,337.24*	
		For Class 56 Rating, Add	*3,097.35*	
40 05 19 00-0239	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,861.95	855.70
		For Class 52 Rating, Deduct	*-1,162.20*	
		For Class 54 Rating, Add	*1,600.37*	
		For Class 55 Rating, Add	*2,387.21*	
		For Class 56 Rating, Add	*3,163.47*	
40 05 19 00-0240	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,091.69	859.93
		For Class 52 Rating, Deduct	*-1,186.76*	
		For Class 54 Rating, Add	*1,633.95*	
		For Class 55 Rating, Add	*2,437.17*	
		For Class 56 Rating, Add	*3,229.59*	
40 05 19 00-0241	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,321.42	864.14
		For Class 52 Rating, Deduct	*-1,211.33*	
		For Class 54 Rating, Add	*1,667.53*	
		For Class 55 Rating, Add	*2,487.13*	
		For Class 56 Rating, Add	*3,295.71*	

40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0243	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,483.73	809.34
		For Class 52 Rating, Deduct	*-358.32*	
		For Class 54 Rating, Add	*503.33*	
		For Class 55 Rating, Add	*755.84*	
		For Class 56 Rating, Add	*1,005.10*	
40 05 19 00-0244	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,751.12	813.56
		For Class 52 Rating, Deduct	*-387.03*	
		For Class 54 Rating, Add	*542.56*	
		For Class 55 Rating, Add	*814.20*	
		For Class 56 Rating, Add	*1,082.32*	
40 05 19 00-0245	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,018.51	817.77
		For Class 52 Rating, Deduct	*-415.74*	
		For Class 54 Rating, Add	*581.79*	
		For Class 55 Rating, Add	*872.56*	
		For Class 56 Rating, Add	*1,159.55*	
40 05 19 00-0246	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,285.89	821.98
		For Class 52 Rating, Deduct	*-444.45*	
		For Class 54 Rating, Add	*621.01*	
		For Class 55 Rating, Add	*930.91*	
		For Class 56 Rating, Add	*1,236.77*	
40 05 19 00-0247	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,553.27	826.20
		For Class 52 Rating, Deduct	*-473.16*	
		For Class 54 Rating, Add	*660.24*	
		For Class 55 Rating, Add	*989.27*	
		For Class 56 Rating, Add	*1,313.99*	
40 05 19 00-0248	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,820.66	830.41
		For Class 52 Rating, Deduct	*-501.87*	
		For Class 54 Rating, Add	*699.47*	
		For Class 55 Rating, Add	*1,047.62*	
		For Class 56 Rating, Add	*1,391.22*	
40 05 19 00-0249	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,088.05	834.64
		For Class 52 Rating, Deduct	*-530.58*	
		For Class 54 Rating, Add	*738.69*	
		For Class 55 Rating, Add	*1,105.98*	
		For Class 56 Rating, Add	*1,468.44*	
40 05 19 00-0250	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,355.43	838.85
		For Class 52 Rating, Deduct	*-559.29*	
		For Class 54 Rating, Add	*777.92*	
		For Class 55 Rating, Add	*1,164.34*	
		For Class 56 Rating, Add	*1,545.67*	
40 05 19 00-0251	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,622.82	843.06
		For Class 52 Rating, Deduct	*-588.00*	
		For Class 54 Rating, Add	*817.15*	
		For Class 55 Rating, Add	*1,222.69*	
		For Class 56 Rating, Add	*1,622.89*	
40 05 19 00-0252	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,890.21	847.28
		For Class 52 Rating, Deduct	*-616.71*	
		For Class 54 Rating, Add	*856.37*	
		For Class 55 Rating, Add	*1,281.05*	
		For Class 56 Rating, Add	*1,700.12*	
40 05 19 00-0253	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,157.58	851.49
		For Class 52 Rating, Deduct	*-645.42*	
		For Class 54 Rating, Add	*895.60*	
		For Class 55 Rating, Add	*1,339.40*	
		For Class 56 Rating, Add	*1,777.34*	
40 05 19 00-0254	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,424.97	855.70
		For Class 52 Rating, Deduct	*-674.13*	
		For Class 54 Rating, Add	*934.82*	
		For Class 55 Rating, Add	*1,397.76*	
		For Class 56 Rating, Add	*1,854.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0255	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,692.36	859.93
		For Class 52 Rating, Deduct	*-702.84*	
		For Class 54 Rating, Add	*974.05*	
		For Class 55 Rating, Add	*1,456.12*	
		For Class 56 Rating, Add	*1,931.79*	
40 05 19 00-0256	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,959.74	864.14
		For Class 52 Rating, Deduct	*-731.55*	
		For Class 54 Rating, Add	*1,013.28*	
		For Class 55 Rating, Add	*1,514.47*	
		For Class 56 Rating, Add	*2,009.01*	
40 05 19 00-0257	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,227.13	868.36
		For Class 52 Rating, Deduct	*-760.26*	
		For Class 54 Rating, Add	*1,052.50*	
		For Class 55 Rating, Add	*1,572.83*	
		For Class 56 Rating, Add	*2,086.24*	
40 05 19 00-0258	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,494.52	872.57
		For Class 52 Rating, Deduct	*-788.97*	
		For Class 54 Rating, Add	*1,091.73*	
		For Class 55 Rating, Add	*1,631.18*	
		For Class 56 Rating, Add	*2,163.46*	
40 05 19 00-0259	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,761.91	876.78
		For Class 52 Rating, Deduct	*-817.68*	
		For Class 54 Rating, Add	*1,130.96*	
		For Class 55 Rating, Add	*1,689.54*	
		For Class 56 Rating, Add	*2,240.69*	
40 05 19 00-0260	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,029.28	881.00
		For Class 52 Rating, Deduct	*-846.39*	
		For Class 54 Rating, Add	*1,170.18*	
		For Class 55 Rating, Add	*1,747.89*	
		For Class 56 Rating, Add	*2,317.91*	
40 05 19 00-0261	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,296.67	885.21
		For Class 52 Rating, Deduct	*-875.10*	
		For Class 54 Rating, Add	*1,209.41*	
		For Class 55 Rating, Add	*1,806.25*	
		For Class 56 Rating, Add	*2,395.14*	
40 05 19 00-0262	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,564.06	889.44
		For Class 52 Rating, Deduct	*-903.81*	
		For Class 54 Rating, Add	*1,248.64*	
		For Class 55 Rating, Add	*1,864.61*	
		For Class 56 Rating, Add	*2,472.36*	
40 05 19 00-0263	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,831.44	893.65
		For Class 52 Rating, Deduct	*-932.52*	
		For Class 54 Rating, Add	*1,287.86*	
		For Class 55 Rating, Add	*1,922.96*	
		For Class 56 Rating, Add	*2,549.59*	
40 05 19 00-0264	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,098.83	897.86
		For Class 52 Rating, Deduct	*-961.23*	
		For Class 54 Rating, Add	*1,327.09*	
		For Class 55 Rating, Add	*1,981.32*	
		For Class 56 Rating, Add	*2,626.81*	
40 05 19 00-0265	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,366.22	902.08
		For Class 52 Rating, Deduct	*-989.94*	
		For Class 54 Rating, Add	*1,366.32*	
		For Class 55 Rating, Add	*2,039.68*	
		For Class 56 Rating, Add	*2,704.04*	
40 05 19 00-0266	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,633.59	906.29
		For Class 52 Rating, Deduct	*-1,018.65*	
		For Class 54 Rating, Add	*1,405.54*	
		For Class 55 Rating, Add	*2,098.03*	
		For Class 56 Rating, Add	*2,781.26*	
40 05 19 00-0267	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,900.98	910.50
		For Class 52 Rating, Deduct	*-1,047.36*	
		For Class 54 Rating, Add	*1,444.77*	
		For Class 55 Rating, Add	*2,156.39*	
		For Class 56 Rating, Add	*2,858.48*	
40 05 19 00-0268	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,168.37	914.72
		For Class 52 Rating, Deduct	*-1,076.07*	
		For Class 54 Rating, Add	*1,483.99*	
		For Class 55 Rating, Add	*2,214.74*	
		For Class 56 Rating, Add	*2,935.71*	
40 05 19 00-0269	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,435.76	918.94
		For Class 52 Rating, Deduct	*-1,104.78*	
		For Class 54 Rating, Add	*1,523.22*	
		For Class 55 Rating, Add	*2,273.10*	
		For Class 56 Rating, Add	*3,012.93*	
40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,703.14	923.16
		For Class 52 Rating, Deduct	*-1,133.49*	
		For Class 54 Rating, Add	*1,562.45*	
		For Class 55 Rating, Add	*2,331.45*	
		For Class 56 Rating, Add	*3,090.16*	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,970.53	927.37
		For Class 52 Rating, Deduct	*-1,162.20*	
		For Class 54 Rating, Add	*1,601.67*	
		For Class 55 Rating, Add	*2,389.81*	
		For Class 56 Rating, Add	*3,167.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,237.91	931.58
		For Class 52 Rating, Deduct	*-1,190.91*	
		For Class 54 Rating, Add	*1,640.90*	
		For Class 55 Rating, Add	*2,448.17*	
		For Class 56 Rating, Add	*3,244.60*	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,505.29	935.80
		For Class 52 Rating, Deduct	*-1,219.62*	
		For Class 54 Rating, Add	*1,680.13*	
		For Class 55 Rating, Add	*2,506.52*	
		For Class 56 Rating, Add	*3,321.83*	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,772.67	940.01
		For Class 52 Rating, Deduct	*-1,248.33*	
		For Class 54 Rating, Add	*1,719.35*	
		For Class 55 Rating, Add	*2,564.88*	
		For Class 56 Rating, Add	*3,399.05*	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,040.06	944.24
		For Class 52 Rating, Deduct	*-1,277.04*	
		For Class 54 Rating, Add	*1,758.58*	
		For Class 55 Rating, Add	*2,623.23*	
		For Class 56 Rating, Add	*3,476.28*	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,307.44	948.45
		For Class 52 Rating, Deduct	*-1,305.75*	
		For Class 54 Rating, Add	*1,797.81*	
		For Class 55 Rating, Add	*2,681.59*	
		For Class 56 Rating, Add	*3,553.50*	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,574.83	952.66
		For Class 52 Rating, Deduct	*-1,334.46*	
		For Class 54 Rating, Add	*1,837.03*	
		For Class 55 Rating, Add	*2,739.95*	
		For Class 56 Rating, Add	*3,630.73*	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,842.21	956.88
		For Class 52 Rating, Deduct	*-1,363.16*	
		For Class 54 Rating, Add	*1,876.26*	
		For Class 55 Rating, Add	*2,798.30*	
		For Class 56 Rating, Add	*3,707.95*	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,109.60	961.09
		For Class 52 Rating, Deduct	*-1,391.87*	
		For Class 54 Rating, Add	*1,915.48*	
		For Class 55 Rating, Add	*2,856.66*	
		For Class 56 Rating, Add	*3,785.18*	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,376.98	965.30
		For Class 52 Rating, Deduct	*-1,420.58*	
		For Class 54 Rating, Add	*1,954.71*	
		For Class 55 Rating, Add	*2,915.01*	
		For Class 56 Rating, Add	*3,862.40*	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,221.80	912.19
		For Class 52 Rating, Deduct	*-422.37*	
		For Class 54 Rating, Add	*592.54*	
		For Class 55 Rating, Add	*889.42*	
		For Class 56 Rating, Add	*1,182.46*	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,529.34	916.41
		For Class 52 Rating, Deduct	*-455.49*	
		For Class 54 Rating, Add	*637.79*	
		For Class 55 Rating, Add	*956.73*	
		For Class 56 Rating, Add	*1,271.53*	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,836.88	920.63
		For Class 52 Rating, Deduct	*-488.62*	
		For Class 54 Rating, Add	*683.04*	
		For Class 55 Rating, Add	*1,024.04*	
		For Class 56 Rating, Add	*1,360.60*	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,144.41	924.84
		For Class 52 Rating, Deduct	*-521.75*	
		For Class 54 Rating, Add	*728.29*	
		For Class 55 Rating, Add	*1,091.35*	
		For Class 56 Rating, Add	*1,449.67*	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,451.96	929.06
		For Class 52 Rating, Deduct	*-554.87*	
		For Class 54 Rating, Add	*773.54*	
		For Class 55 Rating, Add	*1,158.66*	
		For Class 56 Rating, Add	*1,538.74*	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,759.50	933.27
		For Class 52 Rating, Deduct	*-588.00*	
		For Class 54 Rating, Add	*818.79*	
		For Class 55 Rating, Add	*1,225.97*	
		For Class 56 Rating, Add	*1,627.81*	
40 05 19 00-0288	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,067.03	937.48
		For Class 52 Rating, Deduct	*-621.13*	
		For Class 54 Rating, Add	*864.04*	
		For Class 55 Rating, Add	*1,293.28*	
		For Class 56 Rating, Add	*1,716.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0289	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,374.57	941.70
		For Class 52 Rating, Deduct	*-654.25*	
		For Class 54 Rating, Add	*909.28*	
		For Class 55 Rating, Add	*1,360.59*	
		For Class 56 Rating, Add	*1,805.95*	
40 05 19 00-0290	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,682.11	945.92
		For Class 52 Rating, Deduct	*-687.38*	
		For Class 54 Rating, Add	*954.53*	
		For Class 55 Rating, Add	*1,427.90*	
		For Class 56 Rating, Add	*1,895.02*	
40 05 19 00-0291	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,989.65	950.13
		For Class 52 Rating, Deduct	*-720.51*	
		For Class 54 Rating, Add	*999.78*	
		For Class 55 Rating, Add	*1,495.21*	
		For Class 56 Rating, Add	*1,984.09*	
40 05 19 00-0292	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,297.19	954.35
		For Class 52 Rating, Deduct	*-753.63*	
		For Class 54 Rating, Add	*1,045.03*	
		For Class 55 Rating, Add	*1,562.52*	
		For Class 56 Rating, Add	*2,073.16*	
40 05 19 00-0293	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,604.73	958.56
		For Class 52 Rating, Deduct	*-786.76*	
		For Class 54 Rating, Add	*1,090.28*	
		For Class 55 Rating, Add	*1,629.83*	
		For Class 56 Rating, Add	*2,162.23*	
40 05 19 00-0294	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,912.27	962.78
		For Class 52 Rating, Deduct	*-819.89*	
		For Class 54 Rating, Add	*1,135.53*	
		For Class 55 Rating, Add	*1,697.14*	
		For Class 56 Rating, Add	*2,251.30*	
40 05 19 00-0295	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,219.80	966.99
		For Class 52 Rating, Deduct	*-853.01*	
		For Class 54 Rating, Add	*1,180.78*	
		For Class 55 Rating, Add	*1,764.45*	
		For Class 56 Rating, Add	*2,340.37*	
40 05 19 00-0296	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,527.35	971.20
		For Class 52 Rating, Deduct	*-886.14*	
		For Class 54 Rating, Add	*1,226.03*	
		For Class 55 Rating, Add	*1,831.76*	
		For Class 56 Rating, Add	*2,429.44*	
40 05 19 00-0297	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,834.89	975.43
		For Class 52 Rating, Deduct	*-919.27*	
		For Class 54 Rating, Add	*1,271.28*	
		For Class 55 Rating, Add	*1,899.07*	
		For Class 56 Rating, Add	*2,518.51*	
40 05 19 00-0298	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,142.42	979.64
		For Class 52 Rating, Deduct	*-952.39*	
		For Class 54 Rating, Add	*1,316.53*	
		For Class 55 Rating, Add	*1,966.38*	
		For Class 56 Rating, Add	*2,607.58*	
40 05 19 00-0299	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,449.96	983.85
		For Class 52 Rating, Deduct	*-985.52*	
		For Class 54 Rating, Add	*1,361.78*	
		For Class 55 Rating, Add	*2,033.69*	
		For Class 56 Rating, Add	*2,696.65*	
40 05 19 00-0300	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,757.50	988.07
		For Class 52 Rating, Deduct	*-1,018.65*	
		For Class 54 Rating, Add	*1,407.03*	
		For Class 55 Rating, Add	*2,101.00*	
		For Class 56 Rating, Add	*2,785.72*	
40 05 19 00-0301	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,065.04	992.28
		For Class 52 Rating, Deduct	*-1,051.77*	
		For Class 54 Rating, Add	*1,452.28*	
		For Class 55 Rating, Add	*2,168.32*	
		For Class 56 Rating, Add	*2,874.79*	
40 05 19 00-0302	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,372.58	996.50
		For Class 52 Rating, Deduct	*-1,084.90*	
		For Class 54 Rating, Add	*1,497.53*	
		For Class 55 Rating, Add	*2,235.63*	
		For Class 56 Rating, Add	*2,963.86*	
40 05 19 00-0303	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,680.12	1,000.72
		For Class 52 Rating, Deduct	*-1,118.03*	
		For Class 54 Rating, Add	*1,542.78*	
		For Class 55 Rating, Add	*2,302.94*	
		For Class 56 Rating, Add	*3,052.93*	
40 05 19 00-0304	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,987.66	1,004.93
		For Class 52 Rating, Deduct	*-1,151.15*	
		For Class 54 Rating, Add	*1,588.03*	
		For Class 55 Rating, Add	*2,370.24*	
		For Class 56 Rating, Add	*3,142.00*	
40 05 19 00-0305	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,295.19	1,009.15
		For Class 52 Rating, Deduct	*-1,184.28*	
		For Class 54 Rating, Add	*1,633.28*	
		For Class 55 Rating, Add	*2,437.55*	
		For Class 56 Rating, Add	*3,231.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,602.74	1,013.36
		For Class 52 Rating, Deduct	*-1,217.41*	
		For Class 54 Rating, Add	*1,678.53*	
		For Class 55 Rating, Add	*2,504.87*	
		For Class 56 Rating, Add	*3,320.14*	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,910.28	1,017.58
		For Class 52 Rating, Deduct	*-1,250.53*	
		For Class 54 Rating, Add	*1,723.77*	
		For Class 55 Rating, Add	*2,572.18*	
		For Class 56 Rating, Add	*3,409.21*	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,217.81	1,021.79
		For Class 52 Rating, Deduct	*-1,283.66*	
		For Class 54 Rating, Add	*1,769.02*	
		For Class 55 Rating, Add	*2,639.49*	
		For Class 56 Rating, Add	*3,498.28*	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,525.35	1,026.00
		For Class 52 Rating, Deduct	*-1,316.79*	
		For Class 54 Rating, Add	*1,814.27*	
		For Class 55 Rating, Add	*2,706.80*	
		For Class 56 Rating, Add	*3,587.35*	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,832.89	1,030.23
		For Class 52 Rating, Deduct	*-1,349.91*	
		For Class 54 Rating, Add	*1,859.52*	
		For Class 55 Rating, Add	*2,774.11*	
		For Class 56 Rating, Add	*3,676.42*	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,140.43	1,034.44
		For Class 52 Rating, Deduct	*-1,383.04*	
		For Class 54 Rating, Add	*1,904.77*	
		For Class 55 Rating, Add	*2,841.42*	
		For Class 56 Rating, Add	*3,765.49*	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,447.97	1,038.65
		For Class 52 Rating, Deduct	*-1,416.17*	
		For Class 54 Rating, Add	*1,950.02*	
		For Class 55 Rating, Add	*2,908.73*	
		For Class 56 Rating, Add	*3,854.56*	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,755.51	1,042.87
		For Class 52 Rating, Deduct	*-1,449.29*	
		For Class 54 Rating, Add	*1,995.27*	
		For Class 55 Rating, Add	*2,976.04*	
		For Class 56 Rating, Add	*3,943.63*	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,063.04	1,047.08
		For Class 52 Rating, Deduct	*-1,482.42*	
		For Class 54 Rating, Add	*2,040.52*	
		For Class 55 Rating, Add	*3,043.35*	
		For Class 56 Rating, Add	*4,032.70*	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,370.57	1,051.30
		For Class 52 Rating, Deduct	*-1,515.55*	
		For Class 54 Rating, Add	*2,085.77*	
		For Class 55 Rating, Add	*3,110.66*	
		For Class 56 Rating, Add	*4,121.76*	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,678.12	1,055.51
		For Class 52 Rating, Deduct	*-1,548.67*	
		For Class 54 Rating, Add	*2,131.02*	
		For Class 55 Rating, Add	*3,177.97*	
		For Class 56 Rating, Add	*4,210.84*	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,985.66	1,059.73
		For Class 52 Rating, Deduct	*-1,581.80*	
		For Class 54 Rating, Add	*2,176.27*	
		For Class 55 Rating, Add	*3,245.28*	
		For Class 56 Rating, Add	*4,299.91*	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,293.19	1,063.95
		For Class 52 Rating, Deduct	*-1,614.93*	
		For Class 54 Rating, Add	*2,221.52*	
		For Class 55 Rating, Add	*3,312.59*	
		For Class 56 Rating, Add	*4,388.98*	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,600.73	1,068.16
		For Class 52 Rating, Deduct	*-1,648.05*	
		For Class 54 Rating, Add	*2,266.77*	
		For Class 55 Rating, Add	*3,379.90*	
		For Class 56 Rating, Add	*4,478.04*	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,117.42	1,041.18
		For Class 52 Rating, Deduct	*-499.39*	
		For Class 54 Rating, Add	*699.91*	
		For Class 55 Rating, Add	*1,050.25*	
		For Class 56 Rating, Add	*1,396.05*	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,470.13	1,045.40
		For Class 52 Rating, Deduct	*-537.48*	
		For Class 54 Rating, Add	*751.94*	
		For Class 55 Rating, Add	*1,127.63*	
		For Class 56 Rating, Add	*1,498.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,822.84	1,049.61
		For Class 52 Rating, Deduct	*-575.58*	
		For Class 54 Rating, Add	*803.96*	
		For Class 55 Rating, Add	*1,205.02*	
		For Class 56 Rating, Add	*1,600.84*	
40 05 19 00-0324	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,175.55	1,053.82
		For Class 52 Rating, Deduct	*-613.67*	
		For Class 54 Rating, Add	*855.99*	
		For Class 55 Rating, Add	*1,282.40*	
		For Class 56 Rating, Add	*1,703.24*	
40 05 19 00-0325	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,528.27	1,058.05
		For Class 52 Rating, Deduct	*-651.77*	
		For Class 54 Rating, Add	*908.01*	
		For Class 55 Rating, Add	*1,359.79*	
		For Class 56 Rating, Add	*1,805.64*	
40 05 19 00-0326	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,880.97	1,062.26
		For Class 52 Rating, Deduct	*-689.86*	
		For Class 54 Rating, Add	*960.04*	
		For Class 55 Rating, Add	*1,437.17*	
		For Class 56 Rating, Add	*1,908.03*	
40 05 19 00-0327	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,233.69	1,066.48
		For Class 52 Rating, Deduct	*-727.96*	
		For Class 54 Rating, Add	*1,012.06*	
		For Class 55 Rating, Add	*1,514.55*	
		For Class 56 Rating, Add	*2,010.43*	
40 05 19 00-0328	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,586.40	1,070.69
		For Class 52 Rating, Deduct	*-766.06*	
		For Class 54 Rating, Add	*1,064.09*	
		For Class 55 Rating, Add	*1,591.94*	
		For Class 56 Rating, Add	*2,112.82*	
40 05 19 00-0329	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,939.10	1,074.90
		For Class 52 Rating, Deduct	*-804.15*	
		For Class 54 Rating, Add	*1,116.11*	
		For Class 55 Rating, Add	*1,669.32*	
		For Class 56 Rating, Add	*2,215.22*	
40 05 19 00-0330	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,291.82	1,079.12
		For Class 52 Rating, Deduct	*-842.25*	
		For Class 54 Rating, Add	*1,168.14*	
		For Class 55 Rating, Add	*1,746.70*	
		For Class 56 Rating, Add	*2,317.61*	
40 05 19 00-0331	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,644.53	1,083.33
		For Class 52 Rating, Deduct	*-880.34*	
		For Class 54 Rating, Add	*1,220.16*	
		For Class 55 Rating, Add	*1,824.09*	
		For Class 56 Rating, Add	*2,420.01*	
40 05 19 00-0332	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,997.24	1,087.55
		For Class 52 Rating, Deduct	*-918.44*	
		For Class 54 Rating, Add	*1,272.19*	
		For Class 55 Rating, Add	*1,901.47*	
		For Class 56 Rating, Add	*2,522.41*	
40 05 19 00-0333	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,349.95	1,091.77
		For Class 52 Rating, Deduct	*-956.53*	
		For Class 54 Rating, Add	*1,324.21*	
		For Class 55 Rating, Add	*1,978.86*	
		For Class 56 Rating, Add	*2,624.80*	
40 05 19 00-0334	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,702.67	1,095.98
		For Class 52 Rating, Deduct	*-994.63*	
		For Class 54 Rating, Add	*1,376.24*	
		For Class 55 Rating, Add	*2,056.24*	
		For Class 56 Rating, Add	*2,727.20*	
40 05 19 00-0335	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,055.38	1,100.20
		For Class 52 Rating, Deduct	*-1,032.73*	
		For Class 54 Rating, Add	*1,428.27*	
		For Class 55 Rating, Add	*2,133.62*	
		For Class 56 Rating, Add	*2,829.59*	
40 05 19 00-0336	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,408.09	1,104.41
		For Class 52 Rating, Deduct	*-1,070.82*	
		For Class 54 Rating, Add	*1,480.29*	
		For Class 55 Rating, Add	*2,211.01*	
		For Class 56 Rating, Add	*2,931.99*	
40 05 19 00-0337	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,760.80	1,108.62
		For Class 52 Rating, Deduct	*-1,108.92*	
		For Class 54 Rating, Add	*1,532.32*	
		For Class 55 Rating, Add	*2,288.39*	
		For Class 56 Rating, Add	*3,034.38*	
40 05 19 00-0338	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,113.52	1,112.85
		For Class 52 Rating, Deduct	*-1,147.01*	
		For Class 54 Rating, Add	*1,584.34*	
		For Class 55 Rating, Add	*2,365.78*	
		For Class 56 Rating, Add	*3,136.78*	
40 05 19 00-0339	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,466.22	1,117.06
		For Class 52 Rating, Deduct	*-1,185.11*	
		For Class 54 Rating, Add	*1,636.37*	
		For Class 55 Rating, Add	*2,443.16*	
		For Class 56 Rating, Add	*3,239.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0340	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,818.94	1,121.28
		For Class 52 Rating, Deduct	*-1,223.20*	
		For Class 54 Rating, Add	*1,688.39*	
		For Class 55 Rating, Add	*2,520.54*	
		For Class 56 Rating, Add	*3,341.57*	
40 05 19 00-0341	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,171.65	1,125.49
		For Class 52 Rating, Deduct	*-1,261.30*	
		For Class 54 Rating, Add	*1,740.42*	
		For Class 55 Rating, Add	*2,597.93*	
		For Class 56 Rating, Add	*3,443.97*	
40 05 19 00-0342	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,524.36	1,129.70
		For Class 52 Rating, Deduct	*-1,299.40*	
		For Class 54 Rating, Add	*1,792.44*	
		For Class 55 Rating, Add	*2,675.31*	
		For Class 56 Rating, Add	*3,546.36*	
40 05 19 00-0343	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,877.07	1,133.92
		For Class 52 Rating, Deduct	*-1,337.49*	
		For Class 54 Rating, Add	*1,844.47*	
		For Class 55 Rating, Add	*2,752.69*	
		For Class 56 Rating, Add	*3,648.76*	
40 05 19 00-0344	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,229.79	1,138.13
		For Class 52 Rating, Deduct	*-1,375.59*	
		For Class 54 Rating, Add	*1,896.49*	
		For Class 55 Rating, Add	*2,830.08*	
		For Class 56 Rating, Add	*3,751.16*	
40 05 19 00-0345	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,582.50	1,142.35
		For Class 52 Rating, Deduct	*-1,413.68*	
		For Class 54 Rating, Add	*1,948.52*	
		For Class 55 Rating, Add	*2,907.46*	
		For Class 56 Rating, Add	*3,853.55*	
40 05 19 00-0346	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,935.21	1,146.57
		For Class 52 Rating, Deduct	*-1,451.78*	
		For Class 54 Rating, Add	*2,000.55*	
		For Class 55 Rating, Add	*2,984.85*	
		For Class 56 Rating, Add	*3,955.95*	
40 05 19 00-0347	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,287.92	1,150.78
		For Class 52 Rating, Deduct	*-1,489.87*	
		For Class 54 Rating, Add	*2,052.57*	
		For Class 55 Rating, Add	*3,062.23*	
		For Class 56 Rating, Add	*4,058.34*	
40 05 19 00-0348	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,640.64	1,155.00
		For Class 52 Rating, Deduct	*-1,527.97*	
		For Class 54 Rating, Add	*2,104.60*	
		For Class 55 Rating, Add	*3,139.61*	
		For Class 56 Rating, Add	*4,160.74*	
40 05 19 00-0349	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,993.34	1,159.21
		For Class 52 Rating, Deduct	*-1,566.07*	
		For Class 54 Rating, Add	*2,156.62*	
		For Class 55 Rating, Add	*3,217.00*	
		For Class 56 Rating, Add	*4,263.13*	
40 05 19 00-0350	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,346.06	1,163.42
		For Class 52 Rating, Deduct	*-1,604.16*	
		For Class 54 Rating, Add	*2,208.65*	
		For Class 55 Rating, Add	*3,294.38*	
		For Class 56 Rating, Add	*4,365.53*	
40 05 19 00-0351	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,698.77	1,167.64
		For Class 52 Rating, Deduct	*-1,642.26*	
		For Class 54 Rating, Add	*2,260.67*	
		For Class 55 Rating, Add	*3,371.76*	
		For Class 56 Rating, Add	*4,467.92*	
40 05 19 00-0352	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,051.48	1,171.86
		For Class 52 Rating, Deduct	*-1,680.35*	
		For Class 54 Rating, Add	*2,312.70*	
		For Class 55 Rating, Add	*3,449.15*	
		For Class 56 Rating, Add	*4,570.32*	
40 05 19 00-0353	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,404.19	1,176.08
		For Class 52 Rating, Deduct	*-1,718.45*	
		For Class 54 Rating, Add	*2,364.72*	
		For Class 55 Rating, Add	*3,526.53*	
		For Class 56 Rating, Add	*4,672.72*	
40 05 19 00-0354	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,756.90	1,180.29
		For Class 52 Rating, Deduct	*-1,756.54*	
		For Class 54 Rating, Add	*2,416.75*	
		For Class 55 Rating, Add	*3,603.91*	
		For Class 56 Rating, Add	*4,775.11*	
40 05 19 00-0355	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,109.62	1,184.50
		For Class 52 Rating, Deduct	*-1,794.64*	
		For Class 54 Rating, Add	*2,468.77*	
		For Class 55 Rating, Add	*3,681.30*	
		For Class 56 Rating, Add	*4,877.51*	
40 05 19 00-0356	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,462.32	1,188.72
		For Class 52 Rating, Deduct	*-1,832.74*	
		For Class 54 Rating, Add	*2,520.80*	
		For Class 55 Rating, Add	*3,758.68*	
		For Class 56 Rating, Add	*4,979.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0357	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,815.04	1,192.93
		For Class 52 Rating, Deduct	*-1,870.83*	
		For Class 54 Rating, Add	*2,572.82*	
		For Class 55 Rating, Add	*3,836.07*	
		For Class 56 Rating, Add	*5,082.30*	
40 05 19 00-0358	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,167.75	1,197.14
		For Class 52 Rating, Deduct	*-1,908.93*	
		For Class 54 Rating, Add	*2,624.85*	
		For Class 55 Rating, Add	*3,913.45*	
		For Class 56 Rating, Add	*5,184.69*	

40 05 19 00-0359 24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0360	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,531.63	1,230.87
		For Class 52 Rating, Deduct	*-623.33*	
		For Class 54 Rating, Add	*872.38*	
		For Class 55 Rating, Add	*1,308.43*	
		For Class 56 Rating, Add	*1,738.81*	
40 05 19 00-0361	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,967.16	1,235.09
		For Class 52 Rating, Deduct	*-670.54*	
		For Class 54 Rating, Add	*936.83*	
		For Class 55 Rating, Add	*1,404.28*	
		For Class 56 Rating, Add	*1,865.64*	
40 05 19 00-0362	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,402.69	1,239.30
		For Class 52 Rating, Deduct	*-717.75*	
		For Class 54 Rating, Add	*1,001.28*	
		For Class 55 Rating, Add	*1,500.13*	
		For Class 56 Rating, Add	*1,992.46*	
40 05 19 00-0363	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,838.21	1,243.52
		For Class 52 Rating, Deduct	*-764.95*	
		For Class 54 Rating, Add	*1,065.72*	
		For Class 55 Rating, Add	*1,595.98*	
		For Class 56 Rating, Add	*2,119.29*	
40 05 19 00-0364	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,273.74	1,247.73
		For Class 52 Rating, Deduct	*-812.16*	
		For Class 54 Rating, Add	*1,130.17*	
		For Class 55 Rating, Add	*1,691.83*	
		For Class 56 Rating, Add	*2,246.11*	
40 05 19 00-0365	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,709.27	1,251.94
		For Class 52 Rating, Deduct	*-859.36*	
		For Class 54 Rating, Add	*1,194.62*	
		For Class 55 Rating, Add	*1,787.69*	
		For Class 56 Rating, Add	*2,372.94*	
40 05 19 00-0366	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,144.80	1,256.17
		For Class 52 Rating, Deduct	*-906.57*	
		For Class 54 Rating, Add	*1,259.07*	
		For Class 55 Rating, Add	*1,883.54*	
		For Class 56 Rating, Add	*2,499.77*	
40 05 19 00-0367	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,580.33	1,260.38
		For Class 52 Rating, Deduct	*-953.77*	
		For Class 54 Rating, Add	*1,323.52*	
		For Class 55 Rating, Add	*1,979.39*	
		For Class 56 Rating, Add	*2,626.60*	
40 05 19 00-0368	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,015.86	1,264.60
		For Class 52 Rating, Deduct	*-1,000.98*	
		For Class 54 Rating, Add	*1,387.96*	
		For Class 55 Rating, Add	*2,075.24*	
		For Class 56 Rating, Add	*2,753.42*	
40 05 19 00-0369	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,451.39	1,268.81
		For Class 52 Rating, Deduct	*-1,048.18*	
		For Class 54 Rating, Add	*1,452.41*	
		For Class 55 Rating, Add	*2,171.09*	
		For Class 56 Rating, Add	*2,880.25*	
40 05 19 00-0370	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,886.91	1,273.02
		For Class 52 Rating, Deduct	*-1,095.39*	
		For Class 54 Rating, Add	*1,516.86*	
		For Class 55 Rating, Add	*2,266.95*	
		For Class 56 Rating, Add	*3,007.07*	
40 05 19 00-0371	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,322.44	1,277.24
		For Class 52 Rating, Deduct	*-1,142.60*	
		For Class 54 Rating, Add	*1,581.31*	
		For Class 55 Rating, Add	*2,362.80*	
		For Class 56 Rating, Add	*3,133.90*	
40 05 19 00-0372	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,757.98	1,281.45
		For Class 52 Rating, Deduct	*-1,189.80*	
		For Class 54 Rating, Add	*1,645.76*	
		For Class 55 Rating, Add	*2,458.65*	
		For Class 56 Rating, Add	*3,260.73*	
40 05 19 00-0373	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,193.50	1,285.67
		For Class 52 Rating, Deduct	*-1,237.01*	
		For Class 54 Rating, Add	*1,710.20*	
		For Class 55 Rating, Add	*2,554.50*	
		For Class 56 Rating, Add	*3,387.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0374	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,629.03	1,289.89
		For Class 52 Rating, Deduct	*-1,284.21*	
		For Class 54 Rating, Add	*1,774.65*	
		For Class 55 Rating, Add	*2,650.35*	
		For Class 56 Rating, Add	*3,514.38*	
40 05 19 00-0375	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,064.56	1,294.10
		For Class 52 Rating, Deduct	*-1,331.42*	
		For Class 54 Rating, Add	*1,839.10*	
		For Class 55 Rating, Add	*2,746.21*	
		For Class 56 Rating, Add	*3,641.21*	
40 05 19 00-0376	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,500.08	1,298.32
		For Class 52 Rating, Deduct	*-1,378.62*	
		For Class 54 Rating, Add	*1,903.55*	
		For Class 55 Rating, Add	*2,842.06*	
		For Class 56 Rating, Add	*3,768.03*	
40 05 19 00-0377	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,935.61	1,302.53
		For Class 52 Rating, Deduct	*-1,425.83*	
		For Class 54 Rating, Add	*1,967.99*	
		For Class 55 Rating, Add	*2,937.91*	
		For Class 56 Rating, Add	*3,894.86*	
40 05 19 00-0378	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,371.15	1,306.74
		For Class 52 Rating, Deduct	*-1,473.04*	
		For Class 54 Rating, Add	*2,032.44*	
		For Class 55 Rating, Add	*3,033.76*	
		For Class 56 Rating, Add	*4,021.69*	
40 05 19 00-0379	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,806.68	1,310.97
		For Class 52 Rating, Deduct	*-1,520.24*	
		For Class 54 Rating, Add	*2,096.89*	
		For Class 55 Rating, Add	*3,129.61*	
		For Class 56 Rating, Add	*4,148.52*	
40 05 19 00-0380	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,242.20	1,315.18
		For Class 52 Rating, Deduct	*-1,567.45*	
		For Class 54 Rating, Add	*2,161.34*	
		For Class 55 Rating, Add	*3,225.47*	
		For Class 56 Rating, Add	*4,275.34*	
40 05 19 00-0381	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,677.73	1,319.39
		For Class 52 Rating, Deduct	*-1,614.65*	
		For Class 54 Rating, Add	*2,225.79*	
		For Class 55 Rating, Add	*3,321.32*	
		For Class 56 Rating, Add	*4,402.17*	
40 05 19 00-0382	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,113.26	1,323.61
		For Class 52 Rating, Deduct	*-1,661.86*	
		For Class 54 Rating, Add	*2,290.23*	
		For Class 55 Rating, Add	*3,417.17*	
		For Class 56 Rating, Add	*4,528.99*	
40 05 19 00-0383	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,548.78	1,327.82
		For Class 52 Rating, Deduct	*-1,709.06*	
		For Class 54 Rating, Add	*2,354.68*	
		For Class 55 Rating, Add	*3,513.02*	
		For Class 56 Rating, Add	*4,655.82*	
40 05 19 00-0384	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,984.32	1,332.04
		For Class 52 Rating, Deduct	*-1,756.27*	
		For Class 54 Rating, Add	*2,419.13*	
		For Class 55 Rating, Add	*3,608.87*	
		For Class 56 Rating, Add	*4,782.65*	
40 05 19 00-0385	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,419.85	1,336.25
		For Class 52 Rating, Deduct	*-1,803.47*	
		For Class 54 Rating, Add	*2,483.58*	
		For Class 55 Rating, Add	*3,704.73*	
		For Class 56 Rating, Add	*4,909.48*	
40 05 19 00-0386	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,855.37	1,340.47
		For Class 52 Rating, Deduct	*-1,850.68*	
		For Class 54 Rating, Add	*2,548.03*	
		For Class 55 Rating, Add	*3,800.58*	
		For Class 56 Rating, Add	*5,036.30*	
40 05 19 00-0387	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,290.90	1,344.69
		For Class 52 Rating, Deduct	*-1,897.89*	
		For Class 54 Rating, Add	*2,612.47*	
		For Class 55 Rating, Add	*3,896.43*	
		For Class 56 Rating, Add	*5,163.13*	
40 05 19 00-0388	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,726.43	1,348.90
		For Class 52 Rating, Deduct	*-1,945.09*	
		For Class 54 Rating, Add	*2,676.92*	
		For Class 55 Rating, Add	*3,992.28*	
		For Class 56 Rating, Add	*5,289.96*	
40 05 19 00-0389	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,270.53	1,424.78
		For Class 52 Rating, Deduct	*-1,992.30*	
		For Class 54 Rating, Add	*2,742.67*	
		For Class 55 Rating, Add	*4,090.74*	
		For Class 56 Rating, Add	*5,420.69*	
40 05 19 00-0390	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,706.06	1,428.99
		For Class 52 Rating, Deduct	*-2,039.50*	
		For Class 54 Rating, Add	*2,807.12*	
		For Class 55 Rating, Add	*4,186.59*	
		For Class 56 Rating, Add	*5,547.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0391	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,141.60	1,433.21
		For Class 52 Rating, Deduct	*-2,086.71*	
		For Class 54 Rating, Add	*2,871.57*	
		For Class 55 Rating, Add	*4,282.44*	
		For Class 56 Rating, Add	*5,674.35*	
40 05 19 00-0392	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,577.13	1,437.42
		For Class 52 Rating, Deduct	*-2,133.91*	
		For Class 54 Rating, Add	*2,936.02*	
		For Class 55 Rating, Add	*4,378.29*	
		For Class 56 Rating, Add	*5,801.17*	
40 05 19 00-0393	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,012.65	1,441.64
		For Class 52 Rating, Deduct	*-2,181.12*	
		For Class 54 Rating, Add	*3,000.46*	
		For Class 55 Rating, Add	*4,474.15*	
		For Class 56 Rating, Add	*5,928.00*	
40 05 19 00-0394	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,448.18	1,445.85
		For Class 52 Rating, Deduct	*-2,228.32*	
		For Class 54 Rating, Add	*3,064.91*	
		For Class 55 Rating, Add	*4,570.00*	
		For Class 56 Rating, Add	*6,054.82*	
40 05 19 00-0395	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,883.71	1,450.06
		For Class 52 Rating, Deduct	*-2,275.53*	
		For Class 54 Rating, Add	*3,129.36*	
		For Class 55 Rating, Add	*4,665.85*	
		For Class 56 Rating, Add	*6,181.65*	
40 05 19 00-0396	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,319.23	1,454.29
		For Class 52 Rating, Deduct	*-2,322.73*	
		For Class 54 Rating, Add	*3,193.81*	
		For Class 55 Rating, Add	*4,761.70*	
		For Class 56 Rating, Add	*6,308.48*	
40 05 19 00-0397	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,754.77	1,458.50
		For Class 52 Rating, Deduct	*-2,369.94*	
		For Class 54 Rating, Add	*3,258.26*	
		For Class 55 Rating, Add	*4,857.55*	
		For Class 56 Rating, Add	*6,435.31*	

40 05 19 00-0398 30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0399	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,640.84	1,736.71
		For Class 52 Rating, Deduct	*-991.04*	
		For Class 54 Rating, Add	*1,383.00*	
		For Class 55 Rating, Add	*2,072.26*	
		For Class 56 Rating, Add	*2,752.52*	
40 05 19 00-0400	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,267.11	1,740.93
		For Class 52 Rating, Deduct	*-1,059.23*	
		For Class 54 Rating, Add	*1,476.05*	
		For Class 55 Rating, Add	*2,210.65*	
		For Class 56 Rating, Add	*2,935.62*	
40 05 19 00-0401	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,893.36	1,745.14
		For Class 52 Rating, Deduct	*-1,127.41*	
		For Class 54 Rating, Add	*1,569.11*	
		For Class 55 Rating, Add	*2,349.03*	
		For Class 56 Rating, Add	*3,118.71*	
40 05 19 00-0402	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,519.61	1,749.35
		For Class 52 Rating, Deduct	*-1,195.60*	
		For Class 54 Rating, Add	*1,662.17*	
		For Class 55 Rating, Add	*2,487.42*	
		For Class 56 Rating, Add	*3,301.80*	
40 05 19 00-0403	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,145.87	1,753.57
		For Class 52 Rating, Deduct	*-1,263.78*	
		For Class 54 Rating, Add	*1,755.23*	
		For Class 55 Rating, Add	*2,625.80*	
		For Class 56 Rating, Add	*3,484.89*	
40 05 19 00-0404	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,772.13	1,757.78
		For Class 52 Rating, Deduct	*-1,331.97*	
		For Class 54 Rating, Add	*1,848.28*	
		For Class 55 Rating, Add	*2,764.19*	
		For Class 56 Rating, Add	*3,667.98*	
40 05 19 00-0405	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,398.38	1,762.01
		For Class 52 Rating, Deduct	*-1,400.16*	
		For Class 54 Rating, Add	*1,941.34*	
		For Class 55 Rating, Add	*2,902.57*	
		For Class 56 Rating, Add	*3,851.07*	
40 05 19 00-0406	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,024.64	1,766.22
		For Class 52 Rating, Deduct	*-1,468.34*	
		For Class 54 Rating, Add	*2,034.40*	
		For Class 55 Rating, Add	*3,040.95*	
		For Class 56 Rating, Add	*4,034.16*	
40 05 19 00-0407	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,650.90	1,770.43
		For Class 52 Rating, Deduct	*-1,536.53*	
		For Class 54 Rating, Add	*2,127.45*	
		For Class 55 Rating, Add	*3,179.34*	
		For Class 56 Rating, Add	*4,217.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0408	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,277.16	1,774.65
		For Class 52 Rating, Deduct	*-1,604.71*	
		For Class 54 Rating, Add	*2,220.51*	
		For Class 55 Rating, Add	*3,317.72*	
		For Class 56 Rating, Add	*4,400.35*	
40 05 19 00-0409	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,903.42	1,778.86
		For Class 52 Rating, Deduct	*-1,672.90*	
		For Class 54 Rating, Add	*2,313.57*	
		For Class 55 Rating, Add	*3,456.11*	
		For Class 56 Rating, Add	*4,583.44*	
40 05 19 00-0410	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,529.68	1,783.07
		For Class 52 Rating, Deduct	*-1,741.09*	
		For Class 54 Rating, Add	*2,406.63*	
		For Class 55 Rating, Add	*3,594.49*	
		For Class 56 Rating, Add	*4,766.53*	
40 05 19 00-0411	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,155.94	1,787.29
		For Class 52 Rating, Deduct	*-1,809.27*	
		For Class 54 Rating, Add	*2,499.68*	
		For Class 55 Rating, Add	*3,732.88*	
		For Class 56 Rating, Add	*4,949.63*	
40 05 19 00-0412	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,782.19	1,791.51
		For Class 52 Rating, Deduct	*-1,877.46*	
		For Class 54 Rating, Add	*2,592.74*	
		For Class 55 Rating, Add	*3,871.26*	
		For Class 56 Rating, Add	*5,132.72*	
40 05 19 00-0413	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,408.45	1,795.73
		For Class 52 Rating, Deduct	*-1,945.64*	
		For Class 54 Rating, Add	*2,685.80*	
		For Class 55 Rating, Add	*4,009.65*	
		For Class 56 Rating, Add	*5,315.81*	
40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,034.71	1,799.94
		For Class 52 Rating, Deduct	*-2,013.83*	
		For Class 54 Rating, Add	*2,778.86*	
		For Class 55 Rating, Add	*4,148.03*	
		For Class 56 Rating, Add	*5,498.90*	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,660.96	1,804.15
		For Class 52 Rating, Deduct	*-2,082.01*	
		For Class 54 Rating, Add	*2,871.91*	
		For Class 55 Rating, Add	*4,286.42*	
		For Class 56 Rating, Add	*5,681.99*	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,287.22	1,808.37
		For Class 52 Rating, Deduct	*-2,150.20*	
		For Class 54 Rating, Add	*2,964.97*	
		For Class 55 Rating, Add	*4,424.80*	
		For Class 56 Rating, Add	*5,865.08*	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,913.49	1,812.58
		For Class 52 Rating, Deduct	*-2,218.39*	
		For Class 54 Rating, Add	*3,058.03*	
		For Class 55 Rating, Add	*4,563.19*	
		For Class 56 Rating, Add	*6,048.18*	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,539.75	1,816.80
		For Class 52 Rating, Deduct	*-2,286.57*	
		For Class 54 Rating, Add	*3,151.09*	
		For Class 55 Rating, Add	*4,701.57*	
		For Class 56 Rating, Add	*6,231.27*	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,166.00	1,821.02
		For Class 52 Rating, Deduct	*-2,354.76*	
		For Class 54 Rating, Add	*3,244.14*	
		For Class 55 Rating, Add	*4,839.96*	
		For Class 56 Rating, Add	*6,414.36*	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,792.26	1,825.23
		For Class 52 Rating, Deduct	*-2,422.94*	
		For Class 54 Rating, Add	*3,337.20*	
		For Class 55 Rating, Add	*4,978.34*	
		For Class 56 Rating, Add	*6,597.45*	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,418.52	1,829.45
		For Class 52 Rating, Deduct	*-2,491.13*	
		For Class 54 Rating, Add	*3,430.26*	
		For Class 55 Rating, Add	*5,116.72*	
		For Class 56 Rating, Add	*6,780.54*	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,044.77	1,833.66
		For Class 52 Rating, Deduct	*-2,559.32*	
		For Class 54 Rating, Add	*3,523.31*	
		For Class 55 Rating, Add	*5,255.11*	
		For Class 56 Rating, Add	*6,963.64*	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,668.52	1,837.87
		For Class 52 Rating, Deduct	*-2,627.22*	
		For Class 54 Rating, Add	*3,615.99*	
		For Class 55 Rating, Add	*5,392.93*	
		For Class 56 Rating, Add	*7,145.99*	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,297.29	1,842.09
		For Class 52 Rating, Deduct	*-2,695.69*	
		For Class 54 Rating, Add	*3,709.43*	
		For Class 55 Rating, Add	*5,531.88*	
		For Class 56 Rating, Add	*7,329.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,923.55	1,846.31
		For Class 52 Rating, Deduct	*-2,763.87*	
		For Class 54 Rating, Add	*3,802.49*	
		For Class 55 Rating, Add	*5,670.26*	
		For Class 56 Rating, Add	*7,512.91*	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,549.81	1,850.53
		For Class 52 Rating, Deduct	*-2,832.06*	
		For Class 54 Rating, Add	*3,895.54*	
		For Class 55 Rating, Add	*5,808.65*	
		For Class 56 Rating, Add	*7,696.00*	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,176.07	1,854.74
		For Class 52 Rating, Deduct	*-2,900.24*	
		For Class 54 Rating, Add	*3,988.60*	
		For Class 55 Rating, Add	*5,947.03*	
		For Class 56 Rating, Add	*7,879.10*	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,802.33	1,858.95
		For Class 52 Rating, Deduct	*-2,968.43*	
		For Class 54 Rating, Add	*4,081.66*	
		For Class 55 Rating, Add	*6,085.42*	
		For Class 56 Rating, Add	*8,062.19*	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,428.58	1,863.17
		For Class 52 Rating, Deduct	*-3,036.62*	
		For Class 54 Rating, Add	*4,174.72*	
		For Class 55 Rating, Add	*6,223.80*	
		For Class 56 Rating, Add	*8,245.28*	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,054.84	1,867.38
		For Class 52 Rating, Deduct	*-3,104.80*	
		For Class 54 Rating, Add	*4,267.77*	
		For Class 55 Rating, Add	*6,362.18*	
		For Class 56 Rating, Add	*8,428.37*	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,681.10	1,871.59
		For Class 52 Rating, Deduct	*-3,172.99*	
		For Class 54 Rating, Add	*4,360.83*	
		For Class 55 Rating, Add	*6,500.57*	
		For Class 56 Rating, Add	*8,611.46*	
40 05 19 00-0432	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,307.35	1,875.82
		For Class 52 Rating, Deduct	*-3,241.17*	
		For Class 54 Rating, Add	*4,453.89*	
		For Class 55 Rating, Add	*6,638.95*	
		For Class 56 Rating, Add	*8,794.55*	
40 05 19 00-0433	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,933.61	1,880.03
		For Class 52 Rating, Deduct	*-3,309.36*	
		For Class 54 Rating, Add	*4,546.94*	
		For Class 55 Rating, Add	*6,777.34*	
		For Class 56 Rating, Add	*8,977.65*	
40 05 19 00-0434	EA	30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,559.88	1,884.25
		For Class 52 Rating, Deduct	*-3,377.55*	
		For Class 54 Rating, Add	*4,640.00*	
		For Class 55 Rating, Add	*6,915.72*	
		For Class 56 Rating, Add	*9,160.74*	
40 05 19 00-0435	EA	30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,186.13	1,888.46
		For Class 52 Rating, Deduct	*-3,445.73*	
		For Class 54 Rating, Add	*4,733.06*	
		For Class 55 Rating, Add	*7,054.11*	
		For Class 56 Rating, Add	*9,343.83*	
40 05 19 00-0436	EA	30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,812.39	1,892.67
		For Class 52 Rating, Deduct	*-3,513.92*	
		For Class 54 Rating, Add	*4,826.12*	
		For Class 55 Rating, Add	*7,192.49*	
		For Class 56 Rating, Add	*9,526.92*	

40 05 19 00-0437 36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0438	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,225.75	2,200.39
		For Class 52 Rating, Deduct	*-1,418.10*	
		For Class 54 Rating, Add	*1,973.78*	
		For Class 55 Rating, Add	*2,954.89*	
		For Class 56 Rating, Add	*3,923.11*	
40 05 19 00-0439	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,075.36	2,204.61
		For Class 52 Rating, Deduct	*-1,510.85*	
		For Class 54 Rating, Add	*2,100.34*	
		For Class 55 Rating, Add	*3,143.08*	
		For Class 56 Rating, Add	*4,172.09*	
40 05 19 00-0440	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,924.98	2,208.82
		For Class 52 Rating, Deduct	*-1,603.61*	
		For Class 54 Rating, Add	*2,226.90*	
		For Class 55 Rating, Add	*3,331.28*	
		For Class 56 Rating, Add	*4,421.07*	
40 05 19 00-0441	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,774.58	2,213.04
		For Class 52 Rating, Deduct	*-1,696.36*	
		For Class 54 Rating, Add	*2,353.46*	
		For Class 55 Rating, Add	*3,519.47*	
		For Class 56 Rating, Add	*4,670.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0442	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,624.20	2,217.26
		For Class 52 Rating, Deduct	*-1,789.12*	
		For Class 54 Rating, Add	*2,480.02*	
		For Class 55 Rating, Add	*3,707.66*	
		For Class 56 Rating, Add	*4,919.03*	
40 05 19 00-0443	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,473.81	2,221.47
		For Class 52 Rating, Deduct	*-1,881.87*	
		For Class 54 Rating, Add	*2,606.58*	
		For Class 55 Rating, Add	*3,895.85*	
		For Class 56 Rating, Add	*5,168.01*	
40 05 19 00-0444	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,323.42	2,225.69
		For Class 52 Rating, Deduct	*-1,974.63*	
		For Class 54 Rating, Add	*2,733.14*	
		For Class 55 Rating, Add	*4,084.04*	
		For Class 56 Rating, Add	*5,417.00*	
40 05 19 00-0445	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,173.03	2,229.90
		For Class 52 Rating, Deduct	*-2,067.38*	
		For Class 54 Rating, Add	*2,859.70*	
		For Class 55 Rating, Add	*4,272.24*	
		For Class 56 Rating, Add	*5,665.98*	
40 05 19 00-0446	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,022.65	2,234.11
		For Class 52 Rating, Deduct	*-2,160.14*	
		For Class 54 Rating, Add	*2,986.26*	
		For Class 55 Rating, Add	*4,460.43*	
		For Class 56 Rating, Add	*5,914.96*	
40 05 19 00-0447	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,872.26	2,238.33
		For Class 52 Rating, Deduct	*-2,252.89*	
		For Class 54 Rating, Add	*3,112.82*	
		For Class 55 Rating, Add	*4,648.62*	
		For Class 56 Rating, Add	*6,163.94*	
40 05 19 00-0448	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,721.87	2,242.55
		For Class 52 Rating, Deduct	*-2,345.65*	
		For Class 54 Rating, Add	*3,239.38*	
		For Class 55 Rating, Add	*4,836.81*	
		For Class 56 Rating, Add	*6,412.92*	
40 05 19 00-0449	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,571.49	2,246.76
		For Class 52 Rating, Deduct	*-2,438.40*	
		For Class 54 Rating, Add	*3,365.95*	
		For Class 55 Rating, Add	*5,025.01*	
		For Class 56 Rating, Add	*6,661.90*	
40 05 19 00-0450	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,421.10	2,250.98
		For Class 52 Rating, Deduct	*-2,531.16*	
		For Class 54 Rating, Add	*3,492.50*	
		For Class 55 Rating, Add	*5,213.20*	
		For Class 56 Rating, Add	*6,910.88*	
40 05 19 00-0451	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,270.71	2,255.19
		For Class 52 Rating, Deduct	*-2,623.91*	
		For Class 54 Rating, Add	*3,619.07*	
		For Class 55 Rating, Add	*5,401.39*	
		For Class 56 Rating, Add	*7,159.87*	
40 05 19 00-0452	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,120.32	2,259.41
		For Class 52 Rating, Deduct	*-2,716.67*	
		For Class 54 Rating, Add	*3,745.63*	
		For Class 55 Rating, Add	*5,589.58*	
		For Class 56 Rating, Add	*7,408.85*	
40 05 19 00-0453	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,969.94	2,263.62
		For Class 52 Rating, Deduct	*-2,809.42*	
		For Class 54 Rating, Add	*3,872.19*	
		For Class 55 Rating, Add	*5,777.78*	
		For Class 56 Rating, Add	*7,657.83*	
40 05 19 00-0454	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,819.54	2,267.83
		For Class 52 Rating, Deduct	*-2,902.18*	
		For Class 54 Rating, Add	*3,998.75*	
		For Class 55 Rating, Add	*5,965.97*	
		For Class 56 Rating, Add	*7,906.81*	
40 05 19 00-0455	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,669.16	2,272.06
		For Class 52 Rating, Deduct	*-2,994.93*	
		For Class 54 Rating, Add	*4,125.31*	
		For Class 55 Rating, Add	*6,154.16*	
		For Class 56 Rating, Add	*8,155.79*	
40 05 19 00-0456	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,518.78	2,276.27
		For Class 52 Rating, Deduct	*-3,087.69*	
		For Class 54 Rating, Add	*4,251.87*	
		For Class 55 Rating, Add	*6,342.36*	
		For Class 56 Rating, Add	*8,404.78*	
40 05 19 00-0457	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,368.38	2,280.49
		For Class 52 Rating, Deduct	*-3,180.44*	
		For Class 54 Rating, Add	*4,378.43*	
		For Class 55 Rating, Add	*6,530.55*	
		For Class 56 Rating, Add	*8,653.75*	
40 05 19 00-0458	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,217.99	2,284.70
		For Class 52 Rating, Deduct	*-3,273.20*	
		For Class 54 Rating, Add	*4,504.99*	
		For Class 55 Rating, Add	*6,718.74*	
		For Class 56 Rating, Add	*8,902.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0459	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,067.60	2,288.91
		For Class 52 Rating, Deduct	*-3,365.95*	
		For Class 54 Rating, Add	*4,631.55*	
		For Class 55 Rating, Add	*6,906.93*	
		For Class 56 Rating, Add	*9,151.72*	
40 05 19 00-0460	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,917.22	2,293.13
		For Class 52 Rating, Deduct	*-3,458.71*	
		For Class 54 Rating, Add	*4,758.11*	
		For Class 55 Rating, Add	*7,095.13*	
		For Class 56 Rating, Add	*9,400.70*	
40 05 19 00-0461	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,766.82	2,297.35
		For Class 52 Rating, Deduct	*-3,551.46*	
		For Class 54 Rating, Add	*4,884.67*	
		For Class 55 Rating, Add	*7,283.32*	
		For Class 56 Rating, Add	*9,649.68*	
40 05 19 00-0462	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,616.44	2,301.56
		For Class 52 Rating, Deduct	*-3,644.22*	
		For Class 54 Rating, Add	*5,011.23*	
		For Class 55 Rating, Add	*7,471.51*	
		For Class 56 Rating, Add	*9,898.66*	
40 05 19 00-0463	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,466.06	2,305.78
		For Class 52 Rating, Deduct	*-3,736.97*	
		For Class 54 Rating, Add	*5,137.79*	
		For Class 55 Rating, Add	*7,659.70*	
		For Class 56 Rating, Add	*10,147.65*	
40 05 19 00-0464	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,315.66	2,309.99
		For Class 52 Rating, Deduct	*-3,829.72*	
		For Class 54 Rating, Add	*5,264.35*	
		For Class 55 Rating, Add	*7,847.90*	
		For Class 56 Rating, Add	*10,396.62*	
40 05 19 00-0465	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,165.28	2,314.21
		For Class 52 Rating, Deduct	*-3,922.48*	
		For Class 54 Rating, Add	*5,390.91*	
		For Class 55 Rating, Add	*8,036.09*	
		For Class 56 Rating, Add	*10,645.61*	
40 05 19 00-0466	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,014.89	2,318.42
		For Class 52 Rating, Deduct	*-4,015.23*	
		For Class 54 Rating, Add	*5,517.47*	
		For Class 55 Rating, Add	*8,224.28*	
		For Class 56 Rating, Add	*10,894.59*	
40 05 19 00-0467	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,864.50	2,322.63
		For Class 52 Rating, Deduct	*-4,107.99*	
		For Class 54 Rating, Add	*5,644.03*	
		For Class 55 Rating, Add	*8,412.47*	
		For Class 56 Rating, Add	*11,143.57*	
40 05 19 00-0468	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,714.11	2,326.86
		For Class 52 Rating, Deduct	*-4,200.74*	
		For Class 54 Rating, Add	*5,770.59*	
		For Class 55 Rating, Add	*8,600.67*	
		For Class 56 Rating, Add	*11,392.55*	
40 05 19 00-0469	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,563.73	2,331.07
		For Class 52 Rating, Deduct	*-4,293.50*	
		For Class 54 Rating, Add	*5,897.15*	
		For Class 55 Rating, Add	*8,788.86*	
		For Class 56 Rating, Add	*11,641.53*	
40 05 19 00-0470	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,413.34	2,335.28
		For Class 52 Rating, Deduct	*-4,386.25*	
		For Class 54 Rating, Add	*6,023.71*	
		For Class 55 Rating, Add	*8,977.05*	
		For Class 56 Rating, Add	*11,890.51*	
40 05 19 00-0471	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,262.95	2,339.50
		For Class 52 Rating, Deduct	*-4,479.01*	
		For Class 54 Rating, Add	*6,150.28*	
		For Class 55 Rating, Add	*9,165.24*	
		For Class 56 Rating, Add	*12,139.50*	
40 05 19 00-0472	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,112.57	2,343.71
		For Class 52 Rating, Deduct	*-4,571.76*	
		For Class 54 Rating, Add	*6,276.84*	
		For Class 55 Rating, Add	*9,353.44*	
		For Class 56 Rating, Add	*12,388.48*	
40 05 19 00-0473	EA	36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,962.18	2,347.93
		For Class 52 Rating, Deduct	*-4,664.52*	
		For Class 54 Rating, Add	*6,403.40*	
		For Class 55 Rating, Add	*9,541.63*	
		For Class 56 Rating, Add	*12,637.46*	
40 05 19 00-0474	EA	36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,811.79	2,352.14
		For Class 52 Rating, Deduct	*-4,757.27*	
		For Class 54 Rating, Add	*6,529.96*	
		For Class 55 Rating, Add	*9,729.82*	
		For Class 56 Rating, Add	*12,886.44*	
40 05 19 00-0475	EA	36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,661.40	2,356.36
		For Class 52 Rating, Deduct	*-4,850.03*	
		For Class 54 Rating, Add	*6,656.52*	
		For Class 55 Rating, Add	*9,918.01*	
		For Class 56 Rating, Add	*13,135.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0476		42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*		
40 05 19 00-0477	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,400.83	2,773.67
		For Class 52 Rating, Deduct	*-1,891.81*	
		For Class 54 Rating, Add	*2,630.17*	
		For Class 55 Rating, Add	*3,936.08*	
		For Class 56 Rating, Add	*5,224.79*	
40 05 19 00-0478	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,667.04	2,777.90
		For Class 52 Rating, Deduct	*-2,030.39*	
		For Class 54 Rating, Add	*2,819.22*	
		For Class 55 Rating, Add	*4,217.17*	
		For Class 56 Rating, Add	*5,596.66*	
40 05 19 00-0479	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,918.19	2,782.11
		For Class 52 Rating, Deduct	*-2,167.32*	
		For Class 54 Rating, Add	*3,006.01*	
		For Class 55 Rating, Add	*4,494.91*	
		For Class 56 Rating, Add	*5,964.10*	
40 05 19 00-0480	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,181.88	2,786.32
		For Class 52 Rating, Deduct	*-2,305.62*	
		For Class 54 Rating, Add	*3,194.69*	
		For Class 55 Rating, Add	*4,775.44*	
		For Class 56 Rating, Add	*6,335.23*	
40 05 19 00-0481	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,433.03	2,790.54
		For Class 52 Rating, Deduct	*-2,442.54*	
		For Class 54 Rating, Add	*3,381.48*	
		For Class 55 Rating, Add	*5,053.18*	
		For Class 56 Rating, Add	*6,702.67*	
40 05 19 00-0482	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,699.24	2,794.75
		For Class 52 Rating, Deduct	*-2,581.12*	
		For Class 54 Rating, Add	*3,570.53*	
		For Class 55 Rating, Add	*5,334.27*	
		For Class 56 Rating, Add	*7,074.55*	
40 05 19 00-0483	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,947.88	2,798.96
		For Class 52 Rating, Deduct	*-2,717.77*	
		For Class 54 Rating, Add	*3,756.94*	
		For Class 55 Rating, Add	*5,611.44*	
		For Class 56 Rating, Add	*7,441.24*	
40 05 19 00-0484	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,214.08	2,803.19
		For Class 52 Rating, Deduct	*-2,856.35*	
		For Class 54 Rating, Add	*3,945.99*	
		For Class 55 Rating, Add	*5,892.54*	
		For Class 56 Rating, Add	*7,813.12*	
40 05 19 00-0485	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,465.23	2,807.40
		For Class 52 Rating, Deduct	*-2,993.27*	
		For Class 54 Rating, Add	*4,132.78*	
		For Class 55 Rating, Add	*6,170.27*	
		For Class 56 Rating, Add	*8,180.55*	
40 05 19 00-0486	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,728.93	2,811.62
		For Class 52 Rating, Deduct	*-3,131.58*	
		For Class 54 Rating, Add	*4,321.46*	
		For Class 55 Rating, Add	*6,450.81*	
		For Class 56 Rating, Add	*8,551.69*	
40 05 19 00-0487	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,980.07	2,815.83
		For Class 52 Rating, Deduct	*-3,268.50*	
		For Class 54 Rating, Add	*4,508.25*	
		For Class 55 Rating, Add	*6,728.54*	
		For Class 56 Rating, Add	*8,919.12*	
40 05 19 00-0488	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,243.76	2,820.04
		For Class 52 Rating, Deduct	*-3,406.81*	
		For Class 54 Rating, Add	*4,696.92*	
		For Class 55 Rating, Add	*7,009.07*	
		For Class 56 Rating, Add	*9,290.26*	
40 05 19 00-0489	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,494.92	2,824.26
		For Class 52 Rating, Deduct	*-3,543.73*	
		For Class 54 Rating, Add	*4,883.71*	
		For Class 55 Rating, Add	*7,286.81*	
		For Class 56 Rating, Add	*9,657.69*	
40 05 19 00-0490	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,748.57	2,828.47
		For Class 52 Rating, Deduct	*-3,680.93*	
		For Class 54 Rating, Add	*5,070.88*	
		For Class 55 Rating, Add	*7,565.10*	
		For Class 56 Rating, Add	*10,025.87*	
40 05 19 00-0491	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,009.76	2,832.70
		For Class 52 Rating, Deduct	*-3,818.96*	
		For Class 54 Rating, Add	*5,259.17*	
		For Class 55 Rating, Add	*7,845.08*	
		For Class 56 Rating, Add	*10,396.26*	
40 05 19 00-0492	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,260.91	2,836.91
		For Class 52 Rating, Deduct	*-3,955.88*	
		For Class 54 Rating, Add	*5,445.97*	
		For Class 55 Rating, Add	*8,122.81*	
		For Class 56 Rating, Add	*10,763.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0493	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,527.12	2,841.12
		For Class 52 Rating, Deduct	*-4,094.46*	
		For Class 54 Rating, Add	*5,635.02*	
		For Class 55 Rating, Add	*8,403.91*	
		For Class 56 Rating, Add	*11,135.58*	
40 05 19 00-0494	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,778.26	2,845.34
		For Class 52 Rating, Deduct	*-4,231.39*	
		For Class 54 Rating, Add	*5,821.81*	
		For Class 55 Rating, Add	*8,681.64*	
		For Class 56 Rating, Add	*11,503.01*	
40 05 19 00-0495	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,041.96	2,849.55
		For Class 52 Rating, Deduct	*-4,369.69*	
		For Class 54 Rating, Add	*6,010.48*	
		For Class 55 Rating, Add	*8,962.17*	
		For Class 56 Rating, Add	*11,874.15*	
40 05 19 00-0496	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,293.11	2,853.76
		For Class 52 Rating, Deduct	*-4,506.61*	
		For Class 54 Rating, Add	*6,197.27*	
		For Class 55 Rating, Add	*9,239.91*	
		For Class 56 Rating, Add	*12,241.58*	
40 05 19 00-0497	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,559.31	2,857.98
		For Class 52 Rating, Deduct	*-4,645.19*	
		For Class 54 Rating, Add	*6,386.32*	
		For Class 55 Rating, Add	*9,521.00*	
		For Class 56 Rating, Add	*12,613.46*	
40 05 19 00-0498	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,810.46	2,862.20
		For Class 52 Rating, Deduct	*-4,782.12*	
		For Class 54 Rating, Add	*6,573.11*	
		For Class 55 Rating, Add	*9,798.74*	
		For Class 56 Rating, Add	*12,980.89*	
40 05 19 00-0499	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,074.16	2,866.42
		For Class 52 Rating, Deduct	*-4,920.42*	
		For Class 54 Rating, Add	*6,761.78*	
		For Class 55 Rating, Add	*10,079.27*	
		For Class 56 Rating, Add	*13,352.03*	
40 05 19 00-0500	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,325.30	2,870.63
		For Class 52 Rating, Deduct	*-5,057.35*	
		For Class 54 Rating, Add	*6,948.57*	
		For Class 55 Rating, Add	*10,357.01*	
		For Class 56 Rating, Add	*13,719.46*	
40 05 19 00-0501	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,591.51	2,874.84
		For Class 52 Rating, Deduct	*-5,195.93*	
		For Class 54 Rating, Add	*7,137.62*	
		For Class 55 Rating, Add	*10,638.10*	
		For Class 56 Rating, Add	*14,091.34*	
40 05 19 00-0502	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,842.66	2,879.06
		For Class 52 Rating, Deduct	*-5,332.85*	
		For Class 54 Rating, Add	*7,324.41*	
		For Class 55 Rating, Add	*10,915.83*	
		For Class 56 Rating, Add	*14,458.77*	
40 05 19 00-0503	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,103.85	2,883.27
		For Class 52 Rating, Deduct	*-5,470.88*	
		For Class 54 Rating, Add	*7,512.71*	
		For Class 55 Rating, Add	*11,195.81*	
		For Class 56 Rating, Add	*14,829.17*	
40 05 19 00-0504	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,357.50	2,887.48
		For Class 52 Rating, Deduct	*-5,608.08*	
		For Class 54 Rating, Add	*7,699.88*	
		For Class 55 Rating, Add	*11,474.10*	
		For Class 56 Rating, Add	*15,197.34*	
40 05 19 00-0505	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,357.70	2,891.71
		For Class 52 Rating, Deduct	*-5,717.40*	
		For Class 54 Rating, Add	*7,849.03*	
		For Class 55 Rating, Add	*11,695.87*	
		For Class 56 Rating, Add	*15,490.75*	
40 05 19 00-0506	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,872.36	2,895.92
		For Class 52 Rating, Deduct	*-5,883.31*	
		For Class 54 Rating, Add	*8,075.34*	
		For Class 55 Rating, Add	*12,032.37*	
		For Class 56 Rating, Add	*15,935.92*	
40 05 19 00-0507	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,123.50	2,900.14
		For Class 52 Rating, Deduct	*-6,020.23*	
		For Class 54 Rating, Add	*8,262.13*	
		For Class 55 Rating, Add	*12,310.11*	
		For Class 56 Rating, Add	*16,303.35*	
40 05 19 00-0508	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,387.20	2,904.35
		For Class 52 Rating, Deduct	*-6,158.53*	
		For Class 54 Rating, Add	*8,450.81*	
		For Class 55 Rating, Add	*12,590.64*	
		For Class 56 Rating, Add	*16,674.49*	
40 05 19 00-0509	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,638.35	2,908.56
		For Class 52 Rating, Deduct	*-6,295.46*	
		For Class 54 Rating, Add	*8,637.60*	
		For Class 55 Rating, Add	*12,868.37*	
		For Class 56 Rating, Add	*17,041.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0510	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,904.55	2,912.78
		For Class 52 Rating, Deduct	*-6,434.04*	
		For Class 54 Rating, Add	*8,826.65*	
		For Class 55 Rating, Add	*13,149.47*	
		For Class 56 Rating, Add	*17,413.80*	
40 05 19 00-0511	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,153.19	2,917.00
		For Class 52 Rating, Deduct	*-6,570.69*	
		For Class 54 Rating, Add	*9,013.06*	
		For Class 55 Rating, Add	*13,426.64*	
		For Class 56 Rating, Add	*17,780.49*	
40 05 19 00-0512	EA	42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,419.40	2,921.22
		For Class 52 Rating, Deduct	*-6,709.27*	
		For Class 54 Rating, Add	*9,202.11*	
		For Class 55 Rating, Add	*13,707.74*	
		For Class 56 Rating, Add	*18,152.37*	
40 05 19 00-0513	EA	42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,670.55	2,925.43
		For Class 52 Rating, Deduct	*-6,846.19*	
		For Class 54 Rating, Add	*9,388.90*	
		For Class 55 Rating, Add	*13,985.47*	
		For Class 56 Rating, Add	*18,519.80*	
40 05 19 00-0514	EA	42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,934.24	2,929.64
		For Class 52 Rating, Deduct	*-6,984.49*	
		For Class 54 Rating, Add	*9,577.57*	
		For Class 55 Rating, Add	*14,266.00*	
		For Class 56 Rating, Add	*18,890.94*	

40 05 19 00-0515 48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0002)*

40 05 19 00-0516	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,844.40	3,486.07
		For Class 52 Rating, Deduct	*-2,371.87*	
		For Class 54 Rating, Add	*3,297.76*	
		For Class 55 Rating, Add	*4,935.20*	
		For Class 56 Rating, Add	*6,551.08*	
40 05 19 00-0517	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,685.30	3,490.28
		For Class 52 Rating, Deduct	*-2,573.67*	
		For Class 54 Rating, Add	*3,573.01*	
		For Class 55 Rating, Add	*5,344.45*	
		For Class 56 Rating, Add	*7,092.49*	
40 05 19 00-0518	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,523.70	3,494.49
		For Class 52 Rating, Deduct	*-2,775.19*	
		For Class 54 Rating, Add	*3,847.89*	
		For Class 55 Rating, Add	*5,753.14*	
		For Class 56 Rating, Add	*7,633.17*	
40 05 19 00-0519	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,377.15	3,498.71
		For Class 52 Rating, Deduct	*-2,978.37*	
		For Class 54 Rating, Add	*4,125.02*	
		For Class 55 Rating, Add	*6,165.19*	
		For Class 56 Rating, Add	*8,178.28*	
40 05 19 00-0520	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,218.05	3,502.92
		For Class 52 Rating, Deduct	*-3,180.16*	
		For Class 54 Rating, Add	*4,400.28*	
		For Class 55 Rating, Add	*6,574.44*	
		For Class 56 Rating, Add	*8,719.69*	
40 05 19 00-0521	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,058.96	3,507.14
		For Class 52 Rating, Deduct	*-3,381.96*	
		For Class 54 Rating, Add	*4,675.53*	
		For Class 55 Rating, Add	*6,983.69*	
		For Class 56 Rating, Add	*9,261.11*	
40 05 19 00-0522	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,909.91	3,511.36
		For Class 52 Rating, Deduct	*-3,584.86*	
		For Class 54 Rating, Add	*4,952.29*	
		For Class 55 Rating, Add	*7,395.18*	
		For Class 56 Rating, Add	*9,805.48*	
40 05 19 00-0523	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,753.31	3,515.57
		For Class 52 Rating, Deduct	*-3,786.94*	
		For Class 54 Rating, Add	*5,227.92*	
		For Class 55 Rating, Add	*7,804.99*	
		For Class 56 Rating, Add	*10,347.63*	
40 05 19 00-0524	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,591.71	3,519.79
		For Class 52 Rating, Deduct	*-3,988.46*	
		For Class 54 Rating, Add	*5,502.80*	
		For Class 55 Rating, Add	*8,213.68*	
		For Class 56 Rating, Add	*10,888.30*	
40 05 19 00-0525	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,445.17	3,524.00
		For Class 52 Rating, Deduct	*-4,191.63*	
		For Class 54 Rating, Add	*5,779.94*	
		For Class 55 Rating, Add	*8,625.73*	
		For Class 56 Rating, Add	*11,433.42*	
40 05 19 00-0526	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,286.07	3,528.22
		For Class 52 Rating, Deduct	*-4,393.43*	
		For Class 54 Rating, Add	*6,055.19*	
		For Class 55 Rating, Add	*9,034.98*	
		For Class 56 Rating, Add	*11,974.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0527	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,139.52	3,532.43
		For Class 52 Rating, Deduct	*-4,596.61*	
		For Class 54 Rating, Add	*6,332.33*	
		For Class 55 Rating, Add	*9,447.03*	
		For Class 56 Rating, Add	*12,519.95*	
40 05 19 00-0528	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,977.92	3,536.65
		For Class 52 Rating, Deduct	*-4,798.13*	
		For Class 54 Rating, Add	*6,607.21*	
		For Class 55 Rating, Add	*9,855.72*	
		For Class 56 Rating, Add	*13,060.62*	
40 05 19 00-0529	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,818.83	3,540.87
		For Class 52 Rating, Deduct	*-4,999.93*	
		For Class 54 Rating, Add	*6,882.46*	
		For Class 55 Rating, Add	*10,264.97*	
		For Class 56 Rating, Add	*13,602.03*	
40 05 19 00-0530	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,672.27	3,545.08
		For Class 52 Rating, Deduct	*-5,203.10*	
		For Class 54 Rating, Add	*7,159.60*	
		For Class 55 Rating, Add	*10,677.02*	
		For Class 56 Rating, Add	*14,147.15*	
40 05 19 00-0531	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,513.18	3,549.29
		For Class 52 Rating, Deduct	*-5,404.90*	
		For Class 54 Rating, Add	*7,434.85*	
		For Class 55 Rating, Add	*11,086.27*	
		For Class 56 Rating, Add	*14,688.56*	
40 05 19 00-0532	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,351.58	3,553.51
		For Class 52 Rating, Deduct	*-5,606.42*	
		For Class 54 Rating, Add	*7,709.73*	
		For Class 55 Rating, Add	*11,494.96*	
		For Class 56 Rating, Add	*15,229.23*	
40 05 19 00-0533	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,205.02	3,557.72
		For Class 52 Rating, Deduct	*-5,809.60*	
		For Class 54 Rating, Add	*7,986.87*	
		For Class 55 Rating, Add	*11,907.01*	
		For Class 56 Rating, Add	*15,774.34*	
40 05 19 00-0534	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,045.93	3,561.94
		For Class 52 Rating, Deduct	*-6,011.40*	
		For Class 54 Rating, Add	*8,262.12*	
		For Class 55 Rating, Add	*12,316.26*	
		For Class 56 Rating, Add	*16,315.76*	
40 05 19 00-0535	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,884.33	3,566.16
		For Class 52 Rating, Deduct	*-6,212.92*	
		For Class 54 Rating, Add	*8,537.00*	
		For Class 55 Rating, Add	*12,724.95*	
		For Class 56 Rating, Add	*16,856.43*	
40 05 19 00-0536	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	63,737.78	3,570.37
		For Class 52 Rating, Deduct	*-6,416.09*	
		For Class 54 Rating, Add	*8,814.13*	
		For Class 55 Rating, Add	*13,137.00*	
		For Class 56 Rating, Add	*17,401.54*	
40 05 19 00-0537	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	65,581.19	3,574.59
		For Class 52 Rating, Deduct	*-6,618.17*	
		For Class 54 Rating, Add	*9,089.76*	
		For Class 55 Rating, Add	*13,546.81*	
		For Class 56 Rating, Add	*17,943.70*	
40 05 19 00-0538	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,419.59	3,578.80
		For Class 52 Rating, Deduct	*-6,819.69*	
		For Class 54 Rating, Add	*9,364.64*	
		For Class 55 Rating, Add	*13,955.51*	
		For Class 56 Rating, Add	*18,484.37*	
40 05 19 00-0539	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,273.04	3,583.01
		For Class 52 Rating, Deduct	*-7,022.86*	
		For Class 54 Rating, Add	*9,641.78*	
		For Class 55 Rating, Add	*14,367.55*	
		For Class 56 Rating, Add	*19,029.48*	
40 05 19 00-0540	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,113.94	3,587.23
		For Class 52 Rating, Deduct	*-7,224.66*	
		For Class 54 Rating, Add	*9,917.03*	
		For Class 55 Rating, Add	*14,776.80*	
		For Class 56 Rating, Add	*19,570.90*	
40 05 19 00-0541	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	72,952.34	3,591.44
		For Class 52 Rating, Deduct	*-7,426.18*	
		For Class 54 Rating, Add	*10,191.91*	
		For Class 55 Rating, Add	*15,185.50*	
		For Class 56 Rating, Add	*20,111.57*	
40 05 19 00-0542	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,805.80	3,595.67
		For Class 52 Rating, Deduct	*-7,629.36*	
		For Class 54 Rating, Add	*10,469.05*	
		For Class 55 Rating, Add	*15,597.55*	
		For Class 56 Rating, Add	*20,656.68*	
40 05 19 00-0543	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,646.69	3,599.88
		For Class 52 Rating, Deduct	*-7,831.16*	
		For Class 54 Rating, Add	*10,744.30*	
		For Class 55 Rating, Add	*16,006.79*	
		For Class 56 Rating, Add	*21,198.09*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0544	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	78,261.74	3,604.09
		For Class 52 Rating, Deduct	*-8,008.11*	
		For Class 54 Rating, Add	*10,985.68*	
		For Class 55 Rating, Add	*16,365.68*	
		For Class 56 Rating, Add	*21,672.88*	
40 05 19 00-0545	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	80,341.06	3,608.31
		For Class 52 Rating, Deduct	*-8,236.13*	
		For Class 54 Rating, Add	*11,296.69*	
		For Class 55 Rating, Add	*16,828.10*	
		For Class 56 Rating, Add	*22,284.62*	
40 05 19 00-0546	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,179.45	3,612.52
		For Class 52 Rating, Deduct	*-8,437.65*	
		For Class 54 Rating, Add	*11,571.57*	
		For Class 55 Rating, Add	*17,236.78*	
		For Class 56 Rating, Add	*22,825.29*	
40 05 19 00-0547	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,035.41	3,616.74
		For Class 52 Rating, Deduct	*-8,641.11*	
		For Class 54 Rating, Add	*11,849.08*	
		For Class 55 Rating, Add	*17,649.39*	
		For Class 56 Rating, Add	*23,371.15*	
40 05 19 00-0548	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	85,873.80	3,620.96
		For Class 52 Rating, Deduct	*-8,842.63*	
		For Class 54 Rating, Add	*12,123.96*	
		For Class 55 Rating, Add	*18,058.09*	
		For Class 56 Rating, Add	*23,911.82*	
40 05 19 00-0549	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	87,712.20	3,625.17
		For Class 52 Rating, Deduct	*-9,044.15*	
		For Class 54 Rating, Add	*12,398.84*	
		For Class 55 Rating, Add	*18,466.78*	
		For Class 56 Rating, Add	*24,452.49*	
40 05 19 00-0550	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	89,568.15	3,629.39
		For Class 52 Rating, Deduct	*-9,247.60*	
		For Class 54 Rating, Add	*12,676.35*	
		For Class 55 Rating, Add	*18,879.38*	
		For Class 56 Rating, Add	*24,998.35*	
40 05 19 00-0551	EA	48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	91,406.55	3,633.60
		For Class 52 Rating, Deduct	*-9,449.12*	
		For Class 54 Rating, Add	*12,951.23*	
		For Class 55 Rating, Add	*19,288.08*	
		For Class 56 Rating, Add	*25,539.02*	
40 05 19 00-0552	EA	48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	93,247.46	3,637.81
		For Class 52 Rating, Deduct	*-9,650.92*	
		For Class 54 Rating, Add	*13,226.49*	
		For Class 55 Rating, Add	*19,697.33*	
		For Class 56 Rating, Add	*26,080.43*	
40 05 19 00-0553	EA	48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	95,100.90	3,642.03
		For Class 52 Rating, Deduct	*-9,854.09*	
		For Class 54 Rating, Add	*13,503.62*	
		For Class 55 Rating, Add	*20,109.37*	
		For Class 56 Rating, Add	*26,625.55*	

40 05 19 00-0554 Flanged End x Grooved End (FxG), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-0555 4" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0556	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	718.89	192.90
		For Class 52 Rating, Deduct	*-46.93*	
		For Class 54 Rating, Add	*67.50*	
		For Class 55 Rating, Add	*102.15*	
		For Class 56 Rating, Add	*136.38*	
40 05 19 00-0557	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	789.25	196.27
		For Class 52 Rating, Deduct	*-54.11*	
		For Class 54 Rating, Add	*77.35*	
		For Class 55 Rating, Add	*116.83*	
		For Class 56 Rating, Add	*155.81*	
40 05 19 00-0558	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	859.61	199.64
		For Class 52 Rating, Deduct	*-61.28*	
		For Class 54 Rating, Add	*87.20*	
		For Class 55 Rating, Add	*131.50*	
		For Class 56 Rating, Add	*175.24*	
40 05 19 00-0559	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	929.97	203.01
		For Class 52 Rating, Deduct	*-68.46*	
		For Class 54 Rating, Add	*97.05*	
		For Class 55 Rating, Add	*146.17*	
		For Class 56 Rating, Add	*194.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0560	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,000.33	206.38
		For Class 52 Rating, Deduct	*-75.64*	
		For Class 54 Rating, Add	*106.90*	
		For Class 55 Rating, Add	*160.85*	
		For Class 56 Rating, Add	*214.11*	
40 05 19 00-0561	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,070.69	209.75
		For Class 52 Rating, Deduct	*-82.82*	
		For Class 54 Rating, Add	*116.75*	
		For Class 55 Rating, Add	*175.52*	
		For Class 56 Rating, Add	*233.54*	
40 05 19 00-0562	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,141.05	213.13
		For Class 52 Rating, Deduct	*-89.99*	
		For Class 54 Rating, Add	*126.59*	
		For Class 55 Rating, Add	*190.19*	
		For Class 56 Rating, Add	*252.97*	
40 05 19 00-0563	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,211.41	216.50
		For Class 52 Rating, Deduct	*-97.17*	
		For Class 54 Rating, Add	*136.44*	
		For Class 55 Rating, Add	*204.87*	
		For Class 56 Rating, Add	*272.41*	
40 05 19 00-0564	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,281.76	219.87
		For Class 52 Rating, Deduct	*-104.35*	
		For Class 54 Rating, Add	*146.29*	
		For Class 55 Rating, Add	*219.54*	
		For Class 56 Rating, Add	*291.84*	
40 05 19 00-0565	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,352.13	223.25
		For Class 52 Rating, Deduct	*-111.53*	
		For Class 54 Rating, Add	*156.14*	
		For Class 55 Rating, Add	*234.21*	
		For Class 56 Rating, Add	*311.27*	
40 05 19 00-0566	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.49	226.62
		For Class 52 Rating, Deduct	*-118.70*	
		For Class 54 Rating, Add	*165.99*	
		For Class 55 Rating, Add	*248.89*	
		For Class 56 Rating, Add	*330.70*	
40 05 19 00-0567	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,492.85	229.99
		For Class 52 Rating, Deduct	*-125.88*	
		For Class 54 Rating, Add	*175.84*	
		For Class 55 Rating, Add	*263.56*	
		For Class 56 Rating, Add	*350.14*	
40 05 19 00-0568	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,563.20	233.36
		For Class 52 Rating, Deduct	*-133.06*	
		For Class 54 Rating, Add	*185.69*	
		For Class 55 Rating, Add	*278.23*	
		For Class 56 Rating, Add	*369.57*	
40 05 19 00-0569	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,633.56	236.73
		For Class 52 Rating, Deduct	*-140.24*	
		For Class 54 Rating, Add	*195.54*	
		For Class 55 Rating, Add	*292.91*	
		For Class 56 Rating, Add	*389.00*	
40 05 19 00-0570	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,703.92	240.11
		For Class 52 Rating, Deduct	*-147.41*	
		For Class 54 Rating, Add	*205.38*	
		For Class 55 Rating, Add	*307.58*	
		For Class 56 Rating, Add	*408.43*	
40 05 19 00-0571	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,774.29	243.48
		For Class 52 Rating, Deduct	*-154.59*	
		For Class 54 Rating, Add	*215.23*	
		For Class 55 Rating, Add	*322.25*	
		For Class 56 Rating, Add	*427.87*	
40 05 19 00-0572	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,844.65	246.85
		For Class 52 Rating, Deduct	*-161.77*	
		For Class 54 Rating, Add	*225.08*	
		For Class 55 Rating, Add	*336.93*	
		For Class 56 Rating, Add	*447.30*	
40 05 19 00-0573	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,915.00	250.22
		For Class 52 Rating, Deduct	*-168.95*	
		For Class 54 Rating, Add	*234.93*	
		For Class 55 Rating, Add	*351.60*	
		For Class 56 Rating, Add	*466.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0574	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,985.35	253.60
		For Class 52 Rating, Deduct	*-176.12*	
		For Class 54 Rating, Add	*244.78*	
		For Class 55 Rating, Add	*366.27*	
		For Class 56 Rating, Add	*486.16*	
40 05 19 00-0575	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,055.71	256.97
		For Class 52 Rating, Deduct	*-183.30*	
		For Class 54 Rating, Add	*254.63*	
		For Class 55 Rating, Add	*380.94*	
		For Class 56 Rating, Add	*505.60*	
40 05 19 00-0576	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,126.07	260.34
		For Class 52 Rating, Deduct	*-190.48*	
		For Class 54 Rating, Add	*264.48*	
		For Class 55 Rating, Add	*395.62*	
		For Class 56 Rating, Add	*525.03*	
40 05 19 00-0577	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,196.43	263.71
		For Class 52 Rating, Deduct	*-197.66*	
		For Class 54 Rating, Add	*274.33*	
		For Class 55 Rating, Add	*410.29*	
		For Class 56 Rating, Add	*544.46*	
40 05 19 00-0578	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,266.79	267.09
		For Class 52 Rating, Deduct	*-204.83*	
		For Class 54 Rating, Add	*284.17*	
		For Class 55 Rating, Add	*424.96*	
		For Class 56 Rating, Add	*563.89*	
40 05 19 00-0579	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,337.15	270.46
		For Class 52 Rating, Deduct	*-212.01*	
		For Class 54 Rating, Add	*294.02*	
		For Class 55 Rating, Add	*439.64*	
		For Class 56 Rating, Add	*583.33*	
40 05 19 00-0580	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,407.51	273.83
		For Class 52 Rating, Deduct	*-219.19*	
		For Class 54 Rating, Add	*303.87*	
		For Class 55 Rating, Add	*454.31*	
		For Class 56 Rating, Add	*602.76*	
40 05 19 00-0581	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,477.87	277.20
		For Class 52 Rating, Deduct	*-226.37*	
		For Class 54 Rating, Add	*313.72*	
		For Class 55 Rating, Add	*468.99*	
		For Class 56 Rating, Add	*622.19*	
40 05 19 00-0582	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,548.23	280.57
		For Class 52 Rating, Deduct	*-233.54*	
		For Class 54 Rating, Add	*323.57*	
		For Class 55 Rating, Add	*483.66*	
		For Class 56 Rating, Add	*641.62*	
40 05 19 00-0583	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,618.58	283.95
		For Class 52 Rating, Deduct	*-240.72*	
		For Class 54 Rating, Add	*333.42*	
		For Class 55 Rating, Add	*498.33*	
		For Class 56 Rating, Add	*661.06*	
40 05 19 00-0584	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.95	287.32
		For Class 52 Rating, Deduct	*-247.90*	
		For Class 54 Rating, Add	*343.27*	
		For Class 55 Rating, Add	*513.01*	
		For Class 56 Rating, Add	*680.49*	
40 05 19 00-0585	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,759.31	290.69
		For Class 52 Rating, Deduct	*-255.08*	
		For Class 54 Rating, Add	*353.12*	
		For Class 55 Rating, Add	*527.68*	
		For Class 56 Rating, Add	*699.92*	
40 05 19 00-0586	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,829.67	294.06
		For Class 52 Rating, Deduct	*-262.25*	
		For Class 54 Rating, Add	*362.96*	
		For Class 55 Rating, Add	*542.35*	
		For Class 56 Rating, Add	*719.36*	
40 05 19 00-0587	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,900.02	297.44
		For Class 52 Rating, Deduct	*-269.43*	
		For Class 54 Rating, Add	*372.81*	
		For Class 55 Rating, Add	*557.03*	
		For Class 56 Rating, Add	*738.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0588	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,970.38	300.81
		For Class 52 Rating, Deduct	*-276.61*	
		For Class 54 Rating, Add	*382.66*	
		For Class 55 Rating, Add	*571.70*	
		For Class 56 Rating, Add	*758.22*	
40 05 19 00-0589	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,040.74	304.18
		For Class 52 Rating, Deduct	*-283.79*	
		For Class 54 Rating, Add	*392.51*	
		For Class 55 Rating, Add	*586.37*	
		For Class 56 Rating, Add	*777.65*	
40 05 19 00-0590	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,111.11	307.55
		For Class 52 Rating, Deduct	*-290.96*	
		For Class 54 Rating, Add	*402.36*	
		For Class 55 Rating, Add	*601.05*	
		For Class 56 Rating, Add	*797.09*	
40 05 19 00-0591	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,181.47	310.92
		For Class 52 Rating, Deduct	*-298.14*	
		For Class 54 Rating, Add	*412.21*	
		For Class 55 Rating, Add	*615.72*	
		For Class 56 Rating, Add	*816.52*	
40 05 19 00-0592	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,251.82	314.29
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*422.06*	
		For Class 55 Rating, Add	*630.39*	
		For Class 56 Rating, Add	*835.95*	
40 05 19 00-0593	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,322.18	317.67
		For Class 52 Rating, Deduct	*-312.50*	
		For Class 54 Rating, Add	*431.91*	
		For Class 55 Rating, Add	*645.07*	
		For Class 56 Rating, Add	*855.38*	
40 05 19 00-0594	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,392.54	321.04
		For Class 52 Rating, Deduct	*-319.67*	
		For Class 54 Rating, Add	*441.76*	
		For Class 55 Rating, Add	*659.74*	
		For Class 56 Rating, Add	*874.82*	
40 05 19 00-0595		6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0596	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	897.42	242.81
		For Class 52 Rating, Deduct	*-58.25*	
		For Class 54 Rating, Add	*83.84*	
		For Class 55 Rating, Add	*126.91*	
		For Class 56 Rating, Add	*169.46*	
40 05 19 00-0597	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	982.82	246.18
		For Class 52 Rating, Deduct	*-67.08*	
		For Class 54 Rating, Add	*95.95*	
		For Class 55 Rating, Add	*144.94*	
		For Class 56 Rating, Add	*193.33*	
40 05 19 00-0598	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,068.24	249.55
		For Class 52 Rating, Deduct	*-75.92*	
		For Class 54 Rating, Add	*108.06*	
		For Class 55 Rating, Add	*162.98*	
		For Class 56 Rating, Add	*217.20*	
40 05 19 00-0599	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,153.66	252.92
		For Class 52 Rating, Deduct	*-84.75*	
		For Class 54 Rating, Add	*120.17*	
		For Class 55 Rating, Add	*181.01*	
		For Class 56 Rating, Add	*241.08*	
40 05 19 00-0600	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,239.07	256.29
		For Class 52 Rating, Deduct	*-93.58*	
		For Class 54 Rating, Add	*132.27*	
		For Class 55 Rating, Add	*199.04*	
		For Class 56 Rating, Add	*264.95*	
40 05 19 00-0601	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,324.49	259.66
		For Class 52 Rating, Deduct	*-102.42*	
		For Class 54 Rating, Add	*144.38*	
		For Class 55 Rating, Add	*217.07*	
		For Class 56 Rating, Add	*288.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0602	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,409.90	263.03
		For Class 52 Rating, Deduct	*-111.25*	
		For Class 54 Rating, Add	*156.49*	
		For Class 55 Rating, Add	*235.10*	
		For Class 56 Rating, Add	*312.70*	
40 05 19 00-0603	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,495.33	266.40
		For Class 52 Rating, Deduct	*-120.08*	
		For Class 54 Rating, Add	*168.60*	
		For Class 55 Rating, Add	*253.13*	
		For Class 56 Rating, Add	*336.58*	
40 05 19 00-0604	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,580.74	269.78
		For Class 52 Rating, Deduct	*-128.92*	
		For Class 54 Rating, Add	*180.70*	
		For Class 55 Rating, Add	*271.16*	
		For Class 56 Rating, Add	*360.45*	
40 05 19 00-0605	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,666.16	273.16
		For Class 52 Rating, Deduct	*-137.75*	
		For Class 54 Rating, Add	*192.81*	
		For Class 55 Rating, Add	*289.19*	
		For Class 56 Rating, Add	*384.32*	
40 05 19 00-0606	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.58	276.53
		For Class 52 Rating, Deduct	*-146.59*	
		For Class 54 Rating, Add	*204.92*	
		For Class 55 Rating, Add	*307.23*	
		For Class 56 Rating, Add	*408.20*	
40 05 19 00-0607	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,836.98	279.90
		For Class 52 Rating, Deduct	*-155.42*	
		For Class 54 Rating, Add	*217.02*	
		For Class 55 Rating, Add	*325.25*	
		For Class 56 Rating, Add	*432.07*	
40 05 19 00-0608	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,922.40	283.27
		For Class 52 Rating, Deduct	*-164.25*	
		For Class 54 Rating, Add	*229.13*	
		For Class 55 Rating, Add	*343.29*	
		For Class 56 Rating, Add	*455.95*	
40 05 19 00-0609	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,007.83	286.64
		For Class 52 Rating, Deduct	*-173.09*	
		For Class 54 Rating, Add	*241.24*	
		For Class 55 Rating, Add	*361.32*	
		For Class 56 Rating, Add	*479.82*	
40 05 19 00-0610	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,093.25	290.01
		For Class 52 Rating, Deduct	*-181.92*	
		For Class 54 Rating, Add	*253.35*	
		For Class 55 Rating, Add	*379.35*	
		For Class 56 Rating, Add	*503.70*	
40 05 19 00-0611	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,178.66	293.38
		For Class 52 Rating, Deduct	*-190.75*	
		For Class 54 Rating, Add	*265.45*	
		For Class 55 Rating, Add	*397.38*	
		For Class 56 Rating, Add	*527.57*	
40 05 19 00-0612	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,264.07	296.76
		For Class 52 Rating, Deduct	*-199.59*	
		For Class 54 Rating, Add	*277.56*	
		For Class 55 Rating, Add	*415.41*	
		For Class 56 Rating, Add	*551.45*	
40 05 19 00-0613	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,349.49	300.13
		For Class 52 Rating, Deduct	*-208.42*	
		For Class 54 Rating, Add	*289.67*	
		For Class 55 Rating, Add	*433.44*	
		For Class 56 Rating, Add	*575.32*	
40 05 19 00-0614	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.91	303.50
		For Class 52 Rating, Deduct	*-217.26*	
		For Class 54 Rating, Add	*301.78*	
		For Class 55 Rating, Add	*451.47*	
		For Class 56 Rating, Add	*599.20*	
40 05 19 00-0615	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,520.33	306.88
		For Class 52 Rating, Deduct	*-226.09*	
		For Class 54 Rating, Add	*313.88*	
		For Class 55 Rating, Add	*469.50*	
		For Class 56 Rating, Add	*623.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0616	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,605.74	310.25
		For Class 52 Rating, Deduct	*-234.92*	
		For Class 54 Rating, Add	*325.99*	
		For Class 55 Rating, Add	*487.54*	
		For Class 56 Rating, Add	*646.95*	
40 05 19 00-0617	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,691.16	313.62
		For Class 52 Rating, Deduct	*-243.76*	
		For Class 54 Rating, Add	*338.10*	
		For Class 55 Rating, Add	*505.57*	
		For Class 56 Rating, Add	*670.82*	
40 05 19 00-0618	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,776.57	316.99
		For Class 52 Rating, Deduct	*-252.59*	
		For Class 54 Rating, Add	*350.21*	
		For Class 55 Rating, Add	*523.60*	
		For Class 56 Rating, Add	*694.69*	
40 05 19 00-0619	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,861.99	320.36
		For Class 52 Rating, Deduct	*-261.42*	
		For Class 54 Rating, Add	*362.31*	
		For Class 55 Rating, Add	*541.63*	
		For Class 56 Rating, Add	*718.57*	
40 05 19 00-0620	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,947.41	323.73
		For Class 52 Rating, Deduct	*-270.26*	
		For Class 54 Rating, Add	*374.42*	
		For Class 55 Rating, Add	*559.66*	
		For Class 56 Rating, Add	*742.44*	
40 05 19 00-0621	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.82	327.11
		For Class 52 Rating, Deduct	*-279.09*	
		For Class 54 Rating, Add	*386.53*	
		For Class 55 Rating, Add	*577.69*	
		For Class 56 Rating, Add	*766.32*	
40 05 19 00-0622	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,118.24	330.48
		For Class 52 Rating, Deduct	*-287.93*	
		For Class 54 Rating, Add	*398.64*	
		For Class 55 Rating, Add	*595.72*	
		For Class 56 Rating, Add	*790.19*	
40 05 19 00-0623	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,203.66	333.85
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*410.74*	
		For Class 55 Rating, Add	*613.75*	
		For Class 56 Rating, Add	*814.07*	
40 05 19 00-0624	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,289.08	337.23
		For Class 52 Rating, Deduct	*-305.59*	
		For Class 54 Rating, Add	*422.85*	
		For Class 55 Rating, Add	*631.79*	
		For Class 56 Rating, Add	*837.94*	
40 05 19 00-0625	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,374.49	340.60
		For Class 52 Rating, Deduct	*-314.43*	
		For Class 54 Rating, Add	*434.96*	
		For Class 55 Rating, Add	*649.82*	
		For Class 56 Rating, Add	*861.82*	
40 05 19 00-0626	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,459.90	343.97
		For Class 52 Rating, Deduct	*-323.26*	
		For Class 54 Rating, Add	*447.06*	
		For Class 55 Rating, Add	*667.85*	
		For Class 56 Rating, Add	*885.69*	
40 05 19 00-0627	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,545.32	347.34
		For Class 52 Rating, Deduct	*-332.10*	
		For Class 54 Rating, Add	*459.17*	
		For Class 55 Rating, Add	*685.88*	
		For Class 56 Rating, Add	*909.57*	
40 05 19 00-0628	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,630.75	350.71
		For Class 52 Rating, Deduct	*-340.93*	
		For Class 54 Rating, Add	*471.28*	
		For Class 55 Rating, Add	*703.91*	
		For Class 56 Rating, Add	*933.44*	
40 05 19 00-0629	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,716.16	354.09
		For Class 52 Rating, Deduct	*-349.76*	
		For Class 54 Rating, Add	*483.39*	
		For Class 55 Rating, Add	*721.94*	
		For Class 56 Rating, Add	*957.31*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0630	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,801.57	357.46
		For Class 52 Rating, Deduct	*-358.60*	
		For Class 54 Rating, Add	*495.49*	
		For Class 55 Rating, Add	*739.97*	
		For Class 56 Rating, Add	*981.19*	
40 05 19 00-0631	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,886.99	360.83
		For Class 52 Rating, Deduct	*-367.43*	
		For Class 54 Rating, Add	*507.60*	
		For Class 55 Rating, Add	*758.00*	
		For Class 56 Rating, Add	*1,005.06*	
40 05 19 00-0632	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,972.40	364.20
		For Class 52 Rating, Deduct	*-376.26*	
		For Class 54 Rating, Add	*519.71*	
		For Class 55 Rating, Add	*776.03*	
		For Class 56 Rating, Add	*1,028.94*	
40 05 19 00-0633	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,057.82	367.57
		For Class 52 Rating, Deduct	*-385.10*	
		For Class 54 Rating, Add	*531.82*	
		For Class 55 Rating, Add	*794.06*	
		For Class 56 Rating, Add	*1,052.81*	
40 05 19 00-0634	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,143.25	370.95
		For Class 52 Rating, Deduct	*-393.93*	
		For Class 54 Rating, Add	*543.92*	
		For Class 55 Rating, Add	*812.10*	
		For Class 56 Rating, Add	*1,076.69*	

40 05 19 00-0635 8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0636	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,243.03	310.25
		For Class 52 Rating, Deduct	*-85.03*	
		For Class 54 Rating, Add	*121.58*	
		For Class 55 Rating, Add	*183.65*	
		For Class 56 Rating, Add	*244.95*	
40 05 19 00-0637	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,358.56	313.62
		For Class 52 Rating, Deduct	*-97.17*	
		For Class 54 Rating, Add	*138.21*	
		For Class 55 Rating, Add	*208.40*	
		For Class 56 Rating, Add	*277.70*	
40 05 19 00-0638	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,474.09	316.99
		For Class 52 Rating, Deduct	*-109.32*	
		For Class 54 Rating, Add	*154.83*	
		For Class 55 Rating, Add	*233.14*	
		For Class 56 Rating, Add	*310.46*	
40 05 19 00-0639	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,589.62	320.36
		For Class 52 Rating, Deduct	*-121.46*	
		For Class 54 Rating, Add	*171.46*	
		For Class 55 Rating, Add	*257.89*	
		For Class 56 Rating, Add	*343.22*	
40 05 19 00-0640	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,705.16	323.73
		For Class 52 Rating, Deduct	*-133.61*	
		For Class 54 Rating, Add	*188.08*	
		For Class 55 Rating, Add	*282.64*	
		For Class 56 Rating, Add	*375.98*	
40 05 19 00-0641	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.68	327.11
		For Class 52 Rating, Deduct	*-145.76*	
		For Class 54 Rating, Add	*204.71*	
		For Class 55 Rating, Add	*307.39*	
		For Class 56 Rating, Add	*408.74*	
40 05 19 00-0642	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,936.22	330.48
		For Class 52 Rating, Deduct	*-157.90*	
		For Class 54 Rating, Add	*221.33*	
		For Class 55 Rating, Add	*332.13*	
		For Class 56 Rating, Add	*441.50*	
40 05 19 00-0643	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,051.75	333.85
		For Class 52 Rating, Deduct	*-170.05*	
		For Class 54 Rating, Add	*237.96*	
		For Class 55 Rating, Add	*356.88*	
		For Class 56 Rating, Add	*474.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0644	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,167.29	337.23
		For Class 52 Rating, Deduct	*-182.20*	
		For Class 54 Rating, Add	*254.58*	
		For Class 55 Rating, Add	*381.63*	
		For Class 56 Rating, Add	*507.01*	
40 05 19 00-0645	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,282.82	340.60
		For Class 52 Rating, Deduct	*-194.34*	
		For Class 54 Rating, Add	*271.21*	
		For Class 55 Rating, Add	*406.37*	
		For Class 56 Rating, Add	*539.77*	
40 05 19 00-0646	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,398.34	343.97
		For Class 52 Rating, Deduct	*-206.49*	
		For Class 54 Rating, Add	*287.83*	
		For Class 55 Rating, Add	*431.12*	
		For Class 56 Rating, Add	*572.53*	
40 05 19 00-0647	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,513.87	347.34
		For Class 52 Rating, Deduct	*-218.64*	
		For Class 54 Rating, Add	*304.46*	
		For Class 55 Rating, Add	*455.87*	
		For Class 56 Rating, Add	*605.29*	
40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,629.42	350.71
		For Class 52 Rating, Deduct	*-230.78*	
		For Class 54 Rating, Add	*321.08*	
		For Class 55 Rating, Add	*480.61*	
		For Class 56 Rating, Add	*638.05*	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.95	354.09
		For Class 52 Rating, Deduct	*-242.93*	
		For Class 54 Rating, Add	*337.71*	
		For Class 55 Rating, Add	*505.36*	
		For Class 56 Rating, Add	*670.81*	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,860.47	357.46
		For Class 52 Rating, Deduct	*-255.08*	
		For Class 54 Rating, Add	*354.33*	
		For Class 55 Rating, Add	*530.11*	
		For Class 56 Rating, Add	*703.56*	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,976.00	360.83
		For Class 52 Rating, Deduct	*-267.22*	
		For Class 54 Rating, Add	*370.95*	
		For Class 55 Rating, Add	*554.85*	
		For Class 56 Rating, Add	*736.32*	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,091.54	364.20
		For Class 52 Rating, Deduct	*-279.37*	
		For Class 54 Rating, Add	*387.58*	
		For Class 55 Rating, Add	*579.60*	
		For Class 56 Rating, Add	*769.08*	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,207.07	367.57
		For Class 52 Rating, Deduct	*-291.52*	
		For Class 54 Rating, Add	*404.20*	
		For Class 55 Rating, Add	*604.35*	
		For Class 56 Rating, Add	*801.84*	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,322.61	370.95
		For Class 52 Rating, Deduct	*-303.66*	
		For Class 54 Rating, Add	*420.83*	
		For Class 55 Rating, Add	*629.09*	
		For Class 56 Rating, Add	*834.60*	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,438.13	374.32
		For Class 52 Rating, Deduct	*-315.81*	
		For Class 54 Rating, Add	*437.45*	
		For Class 55 Rating, Add	*653.84*	
		For Class 56 Rating, Add	*867.36*	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,553.66	377.69
		For Class 52 Rating, Deduct	*-327.95*	
		For Class 54 Rating, Add	*454.08*	
		For Class 55 Rating, Add	*678.59*	
		For Class 56 Rating, Add	*900.11*	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,669.20	381.07
		For Class 52 Rating, Deduct	*-340.10*	
		For Class 54 Rating, Add	*470.70*	
		For Class 55 Rating, Add	*703.33*	
		For Class 56 Rating, Add	*932.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,784.73	384.44
		For Class 52 Rating, Deduct	*-352.25*	
		For Class 54 Rating, Add	*487.33*	
		For Class 55 Rating, Add	*728.08*	
		For Class 56 Rating, Add	*965.63*	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,900.26	387.81
		For Class 52 Rating, Deduct	*-364.39*	
		For Class 54 Rating, Add	*503.95*	
		For Class 55 Rating, Add	*752.83*	
		For Class 56 Rating, Add	*998.39*	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,015.79	391.18
		For Class 52 Rating, Deduct	*-376.54*	
		For Class 54 Rating, Add	*520.58*	
		For Class 55 Rating, Add	*777.57*	
		For Class 56 Rating, Add	*1,031.15*	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,131.33	394.55
		For Class 52 Rating, Deduct	*-388.69*	
		For Class 54 Rating, Add	*537.20*	
		For Class 55 Rating, Add	*802.32*	
		For Class 56 Rating, Add	*1,063.91*	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,246.86	397.92
		For Class 52 Rating, Deduct	*-400.83*	
		For Class 54 Rating, Add	*553.83*	
		For Class 55 Rating, Add	*827.07*	
		For Class 56 Rating, Add	*1,096.67*	
40 05 19 00-0663	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,362.39	401.30
		For Class 52 Rating, Deduct	*-412.98*	
		For Class 54 Rating, Add	*570.45*	
		For Class 55 Rating, Add	*851.82*	
		For Class 56 Rating, Add	*1,129.43*	
40 05 19 00-0664	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,477.91	404.67
		For Class 52 Rating, Deduct	*-425.13*	
		For Class 54 Rating, Add	*587.07*	
		For Class 55 Rating, Add	*876.56*	
		For Class 56 Rating, Add	*1,162.18*	
40 05 19 00-0665	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,593.45	408.04
		For Class 52 Rating, Deduct	*-437.27*	
		For Class 54 Rating, Add	*603.70*	
		For Class 55 Rating, Add	*901.31*	
		For Class 56 Rating, Add	*1,194.94*	
40 05 19 00-0666	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,708.98	411.42
		For Class 52 Rating, Deduct	*-449.42*	
		For Class 54 Rating, Add	*620.32*	
		For Class 55 Rating, Add	*926.06*	
		For Class 56 Rating, Add	*1,227.70*	
40 05 19 00-0667	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,824.52	414.79
		For Class 52 Rating, Deduct	*-461.57*	
		For Class 54 Rating, Add	*636.95*	
		For Class 55 Rating, Add	*950.80*	
		For Class 56 Rating, Add	*1,260.46*	
40 05 19 00-0668	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,940.05	418.16
		For Class 52 Rating, Deduct	*-473.71*	
		For Class 54 Rating, Add	*653.57*	
		For Class 55 Rating, Add	*975.55*	
		For Class 56 Rating, Add	*1,293.22*	
40 05 19 00-0669	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,055.58	421.53
		For Class 52 Rating, Deduct	*-485.86*	
		For Class 54 Rating, Add	*670.20*	
		For Class 55 Rating, Add	*1,000.30*	
		For Class 56 Rating, Add	*1,325.98*	
40 05 19 00-0670	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,171.11	424.90
		For Class 52 Rating, Deduct	*-498.01*	
		For Class 54 Rating, Add	*686.82*	
		For Class 55 Rating, Add	*1,025.04*	
		For Class 56 Rating, Add	*1,358.74*	
40 05 19 00-0671	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,286.64	428.27
		For Class 52 Rating, Deduct	*-510.15*	
		For Class 54 Rating, Add	*703.45*	
		For Class 55 Rating, Add	*1,049.79*	
		For Class 56 Rating, Add	*1,391.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0672	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,402.17	431.64
		For Class 52 Rating, Deduct	*-522.30*	
		For Class 54 Rating, Add	*720.07*	
		For Class 55 Rating, Add	*1,074.54*	
		For Class 56 Rating, Add	*1,424.25*	
40 05 19 00-0673	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,517.72	435.02
		For Class 52 Rating, Deduct	*-534.44*	
		For Class 54 Rating, Add	*736.70*	
		For Class 55 Rating, Add	*1,099.28*	
		For Class 56 Rating, Add	*1,457.01*	
40 05 19 00-0674	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,633.24	438.40
		For Class 52 Rating, Deduct	*-546.59*	
		For Class 54 Rating, Add	*753.32*	
		For Class 55 Rating, Add	*1,124.03*	
		For Class 56 Rating, Add	*1,489.77*	

40 05 19 00-0675 10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0676	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,561.04	377.69
		For Class 52 Rating, Deduct	*-108.77*	
		For Class 54 Rating, Add	*155.18*	
		For Class 55 Rating, Add	*234.23*	
		For Class 56 Rating, Add	*312.29*	
40 05 19 00-0677	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,711.71	381.07
		For Class 52 Rating, Deduct	*-124.78*	
		For Class 54 Rating, Add	*177.08*	
		For Class 55 Rating, Add	*266.81*	
		For Class 56 Rating, Add	*355.42*	
40 05 19 00-0678	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,862.38	384.44
		For Class 52 Rating, Deduct	*-140.79*	
		For Class 54 Rating, Add	*198.97*	
		For Class 55 Rating, Add	*299.40*	
		For Class 56 Rating, Add	*398.54*	
40 05 19 00-0679	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,013.04	387.81
		For Class 52 Rating, Deduct	*-156.80*	
		For Class 54 Rating, Add	*220.87*	
		For Class 55 Rating, Add	*331.98*	
		For Class 56 Rating, Add	*441.66*	
40 05 19 00-0680	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,163.71	391.18
		For Class 52 Rating, Deduct	*-172.81*	
		For Class 54 Rating, Add	*242.76*	
		For Class 55 Rating, Add	*364.56*	
		For Class 56 Rating, Add	*484.79*	
40 05 19 00-0681	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,314.38	394.55
		For Class 52 Rating, Deduct	*-188.82*	
		For Class 54 Rating, Add	*264.66*	
		For Class 55 Rating, Add	*397.14*	
		For Class 56 Rating, Add	*527.91*	
40 05 19 00-0682	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,465.04	397.92
		For Class 52 Rating, Deduct	*-204.83*	
		For Class 54 Rating, Add	*286.55*	
		For Class 55 Rating, Add	*429.72*	
		For Class 56 Rating, Add	*571.03*	
40 05 19 00-0683	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,615.71	401.30
		For Class 52 Rating, Deduct	*-220.84*	
		For Class 54 Rating, Add	*308.45*	
		For Class 55 Rating, Add	*462.31*	
		For Class 56 Rating, Add	*614.15*	
40 05 19 00-0684	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,766.37	404.67
		For Class 52 Rating, Deduct	*-236.86*	
		For Class 54 Rating, Add	*330.34*	
		For Class 55 Rating, Add	*494.89*	
		For Class 56 Rating, Add	*657.28*	
40 05 19 00-0685	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,917.03	408.04
		For Class 52 Rating, Deduct	*-252.87*	
		For Class 54 Rating, Add	*352.24*	
		For Class 55 Rating, Add	*527.47*	
		For Class 56 Rating, Add	*700.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0686	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,067.70	411.42
		For Class 52 Rating, Deduct	*-268.88*	
		For Class 54 Rating, Add	*374.13*	
		For Class 55 Rating, Add	*560.05*	
		For Class 56 Rating, Add	*743.52*	
40 05 19 00-0687	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,218.38	414.79
		For Class 52 Rating, Deduct	*-284.89*	
		For Class 54 Rating, Add	*396.03*	
		For Class 55 Rating, Add	*592.63*	
		For Class 56 Rating, Add	*786.65*	
40 05 19 00-0688	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,369.04	418.16
		For Class 52 Rating, Deduct	*-300.90*	
		For Class 54 Rating, Add	*417.92*	
		For Class 55 Rating, Add	*625.21*	
		For Class 56 Rating, Add	*829.77*	
40 05 19 00-0689	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,519.70	421.53
		For Class 52 Rating, Deduct	*-316.91*	
		For Class 54 Rating, Add	*439.82*	
		For Class 55 Rating, Add	*657.80*	
		For Class 56 Rating, Add	*872.89*	
40 05 19 00-0690	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,670.37	424.90
		For Class 52 Rating, Deduct	*-332.92*	
		For Class 54 Rating, Add	*461.71*	
		For Class 55 Rating, Add	*690.38*	
		For Class 56 Rating, Add	*916.02*	
40 05 19 00-0691	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,821.03	428.27
		For Class 52 Rating, Deduct	*-348.93*	
		For Class 54 Rating, Add	*483.61*	
		For Class 55 Rating, Add	*722.96*	
		For Class 56 Rating, Add	*959.14*	
40 05 19 00-0692	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,971.70	431.64
		For Class 52 Rating, Deduct	*-364.95*	
		For Class 54 Rating, Add	*505.50*	
		For Class 55 Rating, Add	*755.54*	
		For Class 56 Rating, Add	*1,002.26*	
40 05 19 00-0693	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,122.38	435.02
		For Class 52 Rating, Deduct	*-380.96*	
		For Class 54 Rating, Add	*527.40*	
		For Class 55 Rating, Add	*788.12*	
		For Class 56 Rating, Add	*1,045.39*	
40 05 19 00-0694	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,273.03	438.40
		For Class 52 Rating, Deduct	*-396.97*	
		For Class 54 Rating, Add	*549.29*	
		For Class 55 Rating, Add	*820.70*	
		For Class 56 Rating, Add	*1,088.51*	
40 05 19 00-0695	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,423.70	441.77
		For Class 52 Rating, Deduct	*-412.98*	
		For Class 54 Rating, Add	*571.19*	
		For Class 55 Rating, Add	*853.29*	
		For Class 56 Rating, Add	*1,131.63*	
40 05 19 00-0696	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,574.37	445.14
		For Class 52 Rating, Deduct	*-428.99*	
		For Class 54 Rating, Add	*593.08*	
		For Class 55 Rating, Add	*885.87*	
		For Class 56 Rating, Add	*1,174.76*	
40 05 19 00-0697	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,725.04	448.51
		For Class 52 Rating, Deduct	*-445.00*	
		For Class 54 Rating, Add	*614.98*	
		For Class 55 Rating, Add	*918.45*	
		For Class 56 Rating, Add	*1,217.88*	
40 05 19 00-0698	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,875.70	451.88
		For Class 52 Rating, Deduct	*-461.01*	
		For Class 54 Rating, Add	*636.87*	
		For Class 55 Rating, Add	*951.03*	
		For Class 56 Rating, Add	*1,261.00*	
40 05 19 00-0699	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,026.37	455.25
		For Class 52 Rating, Deduct	*-477.02*	
		For Class 54 Rating, Add	*658.77*	
		For Class 55 Rating, Add	*983.61*	
		For Class 56 Rating, Add	*1,304.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0700	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,177.04	458.62
		For Class 52 Rating, Deduct	*-493.04*	
		For Class 54 Rating, Add	*680.66*	
		For Class 55 Rating, Add	*1,016.20*	
		For Class 56 Rating, Add	*1,347.25*	
40 05 19 00-0701	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,327.70	461.99
		For Class 52 Rating, Deduct	*-509.05*	
		For Class 54 Rating, Add	*702.56*	
		For Class 55 Rating, Add	*1,048.78*	
		For Class 56 Rating, Add	*1,390.37*	
40 05 19 00-0702	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,478.37	465.38
		For Class 52 Rating, Deduct	*-525.06*	
		For Class 54 Rating, Add	*724.45*	
		For Class 55 Rating, Add	*1,081.36*	
		For Class 56 Rating, Add	*1,433.50*	
40 05 19 00-0703	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,629.03	468.75
		For Class 52 Rating, Deduct	*-541.07*	
		For Class 54 Rating, Add	*746.35*	
		For Class 55 Rating, Add	*1,113.94*	
		For Class 56 Rating, Add	*1,476.62*	
40 05 19 00-0704	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,779.69	472.12
		For Class 52 Rating, Deduct	*-557.08*	
		For Class 54 Rating, Add	*768.24*	
		For Class 55 Rating, Add	*1,146.52*	
		For Class 56 Rating, Add	*1,519.74*	
40 05 19 00-0705	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,930.37	475.49
		For Class 52 Rating, Deduct	*-573.09*	
		For Class 54 Rating, Add	*790.13*	
		For Class 55 Rating, Add	*1,179.10*	
		For Class 56 Rating, Add	*1,562.87*	
40 05 19 00-0706	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,081.04	478.86
		For Class 52 Rating, Deduct	*-589.10*	
		For Class 54 Rating, Add	*812.03*	
		For Class 55 Rating, Add	*1,211.69*	
		For Class 56 Rating, Add	*1,605.99*	
40 05 19 00-0707	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,231.70	482.23
		For Class 52 Rating, Deduct	*-605.11*	
		For Class 54 Rating, Add	*833.92*	
		For Class 55 Rating, Add	*1,244.27*	
		For Class 56 Rating, Add	*1,649.11*	
40 05 19 00-0708	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,382.36	485.60
		For Class 52 Rating, Deduct	*-621.13*	
		For Class 54 Rating, Add	*855.82*	
		For Class 55 Rating, Add	*1,276.85*	
		For Class 56 Rating, Add	*1,692.23*	
40 05 19 00-0709	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,533.03	488.97
		For Class 52 Rating, Deduct	*-637.14*	
		For Class 54 Rating, Add	*877.71*	
		For Class 55 Rating, Add	*1,309.43*	
		For Class 56 Rating, Add	*1,735.36*	
40 05 19 00-0710	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,683.69	492.34
		For Class 52 Rating, Deduct	*-653.15*	
		For Class 54 Rating, Add	*899.61*	
		For Class 55 Rating, Add	*1,342.01*	
		For Class 56 Rating, Add	*1,778.48*	
40 05 19 00-0711	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,834.36	495.72
		For Class 52 Rating, Deduct	*-669.16*	
		For Class 54 Rating, Add	*921.50*	
		For Class 55 Rating, Add	*1,374.60*	
		For Class 56 Rating, Add	*1,821.60*	
40 05 19 00-0712	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,985.04	499.10
		For Class 52 Rating, Deduct	*-685.17*	
		For Class 54 Rating, Add	*943.40*	
		For Class 55 Rating, Add	*1,407.18*	
		For Class 56 Rating, Add	*1,864.73*	
40 05 19 00-0713	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,135.69	502.47
		For Class 52 Rating, Deduct	*-701.18*	
		For Class 54 Rating, Add	*965.29*	
		For Class 55 Rating, Add	*1,439.76*	
		For Class 56 Rating, Add	*1,907.85*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0714	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,286.36	505.84
		For Class 52 Rating, Deduct	*-717.19*	
		For Class 54 Rating, Add	*987.19*	
		For Class 55 Rating, Add	*1,472.34*	
		For Class 56 Rating, Add	*1,950.97*	

40 05 19 00-0715 12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0716	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,025.33	472.12
		For Class 52 Rating, Deduct	*-144.10*	
		For Class 54 Rating, Add	*205.09*	
		For Class 55 Rating, Add	*309.30*	
		For Class 56 Rating, Add	*412.20*	
40 05 19 00-0717	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,213.65	475.49
		For Class 52 Rating, Deduct	*-164.25*	
		For Class 54 Rating, Add	*232.63*	
		For Class 55 Rating, Add	*350.28*	
		For Class 56 Rating, Add	*466.43*	
40 05 19 00-0718	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,401.96	478.86
		For Class 52 Rating, Deduct	*-184.41*	
		For Class 54 Rating, Add	*260.17*	
		For Class 55 Rating, Add	*391.25*	
		For Class 56 Rating, Add	*520.66*	
40 05 19 00-0719	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,590.27	482.23
		For Class 52 Rating, Deduct	*-204.56*	
		For Class 54 Rating, Add	*287.71*	
		For Class 55 Rating, Add	*432.23*	
		For Class 56 Rating, Add	*574.89*	
40 05 19 00-0720	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,778.57	485.60
		For Class 52 Rating, Deduct	*-224.71*	
		For Class 54 Rating, Add	*315.25*	
		For Class 55 Rating, Add	*473.20*	
		For Class 56 Rating, Add	*629.12*	
40 05 19 00-0721	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,966.89	488.97
		For Class 52 Rating, Deduct	*-244.86*	
		For Class 54 Rating, Add	*342.79*	
		For Class 55 Rating, Add	*514.18*	
		For Class 56 Rating, Add	*683.35*	
40 05 19 00-0722	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,155.20	492.34
		For Class 52 Rating, Deduct	*-265.01*	
		For Class 54 Rating, Add	*370.33*	
		For Class 55 Rating, Add	*555.16*	
		For Class 56 Rating, Add	*737.58*	
40 05 19 00-0723	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,343.51	495.72
		For Class 52 Rating, Deduct	*-285.17*	
		For Class 54 Rating, Add	*397.88*	
		For Class 55 Rating, Add	*596.14*	
		For Class 56 Rating, Add	*791.80*	
40 05 19 00-0724	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,531.83	499.10
		For Class 52 Rating, Deduct	*-305.32*	
		For Class 54 Rating, Add	*425.42*	
		For Class 55 Rating, Add	*637.11*	
		For Class 56 Rating, Add	*846.03*	
40 05 19 00-0725	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,720.13	502.47
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*452.96*	
		For Class 55 Rating, Add	*678.09*	
		For Class 56 Rating, Add	*900.26*	
40 05 19 00-0726	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,908.44	505.84
		For Class 52 Rating, Deduct	*-345.62*	
		For Class 54 Rating, Add	*480.50*	
		For Class 55 Rating, Add	*719.06*	
		For Class 56 Rating, Add	*954.49*	
40 05 19 00-0727	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,096.75	509.21
		For Class 52 Rating, Deduct	*-365.77*	
		For Class 54 Rating, Add	*508.04*	
		For Class 55 Rating, Add	*760.04*	
		For Class 56 Rating, Add	*1,008.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0728	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,285.06	512.58
		For Class 52 Rating, Deduct	*-385.93*	
		For Class 54 Rating, Add	*535.58*	
		For Class 55 Rating, Add	*801.02*	
		For Class 56 Rating, Add	*1,062.94*	
40 05 19 00-0729	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,473.36	515.95
		For Class 52 Rating, Deduct	*-406.08*	
		For Class 54 Rating, Add	*563.12*	
		For Class 55 Rating, Add	*841.99*	
		For Class 56 Rating, Add	*1,117.17*	
40 05 19 00-0730	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,661.68	519.32
		For Class 52 Rating, Deduct	*-426.23*	
		For Class 54 Rating, Add	*590.67*	
		For Class 55 Rating, Add	*882.97*	
		For Class 56 Rating, Add	*1,171.40*	
40 05 19 00-0731	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,849.99	522.70
		For Class 52 Rating, Deduct	*-446.38*	
		For Class 54 Rating, Add	*618.21*	
		For Class 55 Rating, Add	*923.95*	
		For Class 56 Rating, Add	*1,225.63*	
40 05 19 00-0732	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,038.30	526.07
		For Class 52 Rating, Deduct	*-466.53*	
		For Class 54 Rating, Add	*645.75*	
		For Class 55 Rating, Add	*964.92*	
		For Class 56 Rating, Add	*1,279.85*	
40 05 19 00-0733	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,226.61	529.45
		For Class 52 Rating, Deduct	*-486.69*	
		For Class 54 Rating, Add	*673.29*	
		For Class 55 Rating, Add	*1,005.90*	
		For Class 56 Rating, Add	*1,334.08*	
40 05 19 00-0734	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,414.92	532.82
		For Class 52 Rating, Deduct	*-506.84*	
		For Class 54 Rating, Add	*700.83*	
		For Class 55 Rating, Add	*1,046.88*	
		For Class 56 Rating, Add	*1,388.31*	
40 05 19 00-0735	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,603.23	536.19
		For Class 52 Rating, Deduct	*-526.99*	
		For Class 54 Rating, Add	*728.37*	
		For Class 55 Rating, Add	*1,087.85*	
		For Class 56 Rating, Add	*1,442.54*	
40 05 19 00-0736	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,791.55	539.56
		For Class 52 Rating, Deduct	*-547.14*	
		For Class 54 Rating, Add	*755.91*	
		For Class 55 Rating, Add	*1,128.83*	
		For Class 56 Rating, Add	*1,496.77*	
40 05 19 00-0737	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,979.86	542.93
		For Class 52 Rating, Deduct	*-567.30*	
		For Class 54 Rating, Add	*783.46*	
		For Class 55 Rating, Add	*1,169.81*	
		For Class 56 Rating, Add	*1,551.00*	
40 05 19 00-0738	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,168.17	546.30
		For Class 52 Rating, Deduct	*-587.45*	
		For Class 54 Rating, Add	*811.00*	
		For Class 55 Rating, Add	*1,210.78*	
		For Class 56 Rating, Add	*1,605.23*	
40 05 19 00-0739	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,356.47	549.68
		For Class 52 Rating, Deduct	*-607.60*	
		For Class 54 Rating, Add	*838.54*	
		For Class 55 Rating, Add	*1,251.76*	
		For Class 56 Rating, Add	*1,659.45*	
40 05 19 00-0740	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,544.78	553.05
		For Class 52 Rating, Deduct	*-627.75*	
		For Class 54 Rating, Add	*866.08*	
		For Class 55 Rating, Add	*1,292.73*	
		For Class 56 Rating, Add	*1,713.68*	
40 05 19 00-0741	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,733.09	556.42
		For Class 52 Rating, Deduct	*-647.90*	
		For Class 54 Rating, Add	*893.62*	
		For Class 55 Rating, Add	*1,333.71*	
		For Class 56 Rating, Add	*1,767.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0742	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,921.41	559.79
		For Class 52 Rating, Deduct	*-668.06*	
		For Class 54 Rating, Add	*921.16*	
		For Class 55 Rating, Add	*1,374.69*	
		For Class 56 Rating, Add	*1,822.14*	
40 05 19 00-0743	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,109.72	563.17
		For Class 52 Rating, Deduct	*-688.21*	
		For Class 54 Rating, Add	*948.70*	
		For Class 55 Rating, Add	*1,415.66*	
		For Class 56 Rating, Add	*1,876.37*	
40 05 19 00-0744	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,298.02	566.54
		For Class 52 Rating, Deduct	*-708.36*	
		For Class 54 Rating, Add	*976.25*	
		For Class 55 Rating, Add	*1,456.64*	
		For Class 56 Rating, Add	*1,930.59*	
40 05 19 00-0745	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,486.33	569.91
		For Class 52 Rating, Deduct	*-728.51*	
		For Class 54 Rating, Add	*1,003.79*	
		For Class 55 Rating, Add	*1,497.62*	
		For Class 56 Rating, Add	*1,984.82*	
40 05 19 00-0746	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,674.65	573.28
		For Class 52 Rating, Deduct	*-748.66*	
		For Class 54 Rating, Add	*1,031.33*	
		For Class 55 Rating, Add	*1,538.59*	
		For Class 56 Rating, Add	*2,039.05*	
40 05 19 00-0747	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,862.96	576.65
		For Class 52 Rating, Deduct	*-768.82*	
		For Class 54 Rating, Add	*1,058.87*	
		For Class 55 Rating, Add	*1,579.57*	
		For Class 56 Rating, Add	*2,093.28*	
40 05 19 00-0748	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,051.26	580.03
		For Class 52 Rating, Deduct	*-788.97*	
		For Class 54 Rating, Add	*1,086.41*	
		For Class 55 Rating, Add	*1,620.55*	
		For Class 56 Rating, Add	*2,147.51*	
40 05 19 00-0749	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,239.58	583.40
		For Class 52 Rating, Deduct	*-809.12*	
		For Class 54 Rating, Add	*1,113.95*	
		For Class 55 Rating, Add	*1,661.52*	
		For Class 56 Rating, Add	*2,201.74*	
40 05 19 00-0750	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,427.89	586.77
		For Class 52 Rating, Deduct	*-829.27*	
		For Class 54 Rating, Add	*1,141.49*	
		For Class 55 Rating, Add	*1,702.50*	
		For Class 56 Rating, Add	*2,255.96*	
40 05 19 00-0751	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,616.20	590.14
		For Class 52 Rating, Deduct	*-849.42*	
		For Class 54 Rating, Add	*1,169.04*	
		For Class 55 Rating, Add	*1,743.47*	
		For Class 56 Rating, Add	*2,310.19*	
40 05 19 00-0752	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,804.51	593.52
		For Class 52 Rating, Deduct	*-869.58*	
		For Class 54 Rating, Add	*1,196.58*	
		For Class 55 Rating, Add	*1,784.45*	
		For Class 56 Rating, Add	*2,364.42*	
40 05 19 00-0753	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,992.81	596.89
		For Class 52 Rating, Deduct	*-889.73*	
		For Class 54 Rating, Add	*1,224.12*	
		For Class 55 Rating, Add	*1,825.43*	
		For Class 56 Rating, Add	*2,418.65*	
40 05 19 00-0754	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,181.12	600.26
		For Class 52 Rating, Deduct	*-909.88*	
		For Class 54 Rating, Add	*1,251.66*	
		For Class 55 Rating, Add	*1,866.40*	
		For Class 56 Rating, Add	*2,472.88*	

40 05 19 00-0755 14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0756	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,815.88	566.54
		For Class 52 Rating, Deduct	*-215.32*	
		For Class 54 Rating, Add	*303.92*	
		For Class 55 Rating, Add	*457.12*	
		For Class 56 Rating, Add	*608.36*	
40 05 19 00-0757	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,044.34	569.91
		For Class 52 Rating, Deduct	*-239.89*	
		For Class 54 Rating, Add	*337.49*	
		For Class 55 Rating, Add	*507.05*	
		For Class 56 Rating, Add	*674.43*	
40 05 19 00-0758	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,272.81	573.28
		For Class 52 Rating, Deduct	*-264.46*	
		For Class 54 Rating, Add	*371.05*	
		For Class 55 Rating, Add	*556.98*	
		For Class 56 Rating, Add	*740.51*	
40 05 19 00-0759	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,501.27	576.65
		For Class 52 Rating, Deduct	*-289.03*	
		For Class 54 Rating, Add	*404.62*	
		For Class 55 Rating, Add	*606.91*	
		For Class 56 Rating, Add	*806.58*	
40 05 19 00-0760	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,729.73	580.03
		For Class 52 Rating, Deduct	*-313.60*	
		For Class 54 Rating, Add	*438.18*	
		For Class 55 Rating, Add	*656.84*	
		For Class 56 Rating, Add	*872.66*	
40 05 19 00-0761	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,958.20	583.40
		For Class 52 Rating, Deduct	*-338.17*	
		For Class 54 Rating, Add	*471.75*	
		For Class 55 Rating, Add	*706.77*	
		For Class 56 Rating, Add	*938.73*	
40 05 19 00-0762	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,186.66	586.77
		For Class 52 Rating, Deduct	*-362.74*	
		For Class 54 Rating, Add	*505.31*	
		For Class 55 Rating, Add	*756.70*	
		For Class 56 Rating, Add	*1,004.80*	
40 05 19 00-0763	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,415.13	590.14
		For Class 52 Rating, Deduct	*-387.31*	
		For Class 54 Rating, Add	*538.88*	
		For Class 55 Rating, Add	*806.64*	
		For Class 56 Rating, Add	*1,070.88*	
40 05 19 00-0764	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,643.59	593.52
		For Class 52 Rating, Deduct	*-411.88*	
		For Class 54 Rating, Add	*572.44*	
		For Class 55 Rating, Add	*856.57*	
		For Class 56 Rating, Add	*1,136.95*	
40 05 19 00-0765	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,872.05	596.89
		For Class 52 Rating, Deduct	*-436.44*	
		For Class 54 Rating, Add	*606.00*	
		For Class 55 Rating, Add	*906.50*	
		For Class 56 Rating, Add	*1,203.02*	
40 05 19 00-0766	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,100.51	600.26
		For Class 52 Rating, Deduct	*-461.01*	
		For Class 54 Rating, Add	*639.57*	
		For Class 55 Rating, Add	*956.43*	
		For Class 56 Rating, Add	*1,269.10*	
40 05 19 00-0767	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,328.99	603.63
		For Class 52 Rating, Deduct	*-485.58*	
		For Class 54 Rating, Add	*673.13*	
		For Class 55 Rating, Add	*1,006.36*	
		For Class 56 Rating, Add	*1,335.17*	
40 05 19 00-0768	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,557.45	607.01
		For Class 52 Rating, Deduct	*-510.15*	
		For Class 54 Rating, Add	*706.70*	
		For Class 55 Rating, Add	*1,056.29*	
		For Class 56 Rating, Add	*1,401.24*	
40 05 19 00-0769	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,785.92	610.38
		For Class 52 Rating, Deduct	*-534.72*	
		For Class 54 Rating, Add	*740.26*	
		For Class 55 Rating, Add	*1,106.22*	
		For Class 56 Rating, Add	*1,467.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0770	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,014.37	613.75
		For Class 52 Rating, Deduct	*-559.29*	
		For Class 54 Rating, Add	*773.83*	
		For Class 55 Rating, Add	*1,156.15*	
		For Class 56 Rating, Add	*1,533.39*	
40 05 19 00-0771	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,242.83	617.12
		For Class 52 Rating, Deduct	*-583.86*	
		For Class 54 Rating, Add	*807.39*	
		For Class 55 Rating, Add	*1,206.08*	
		For Class 56 Rating, Add	*1,599.46*	
40 05 19 00-0772	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,471.30	620.49
		For Class 52 Rating, Deduct	*-608.43*	
		For Class 54 Rating, Add	*840.96*	
		For Class 55 Rating, Add	*1,256.01*	
		For Class 56 Rating, Add	*1,665.54*	
40 05 19 00-0773	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,699.77	623.86
		For Class 52 Rating, Deduct	*-633.00*	
		For Class 54 Rating, Add	*874.52*	
		For Class 55 Rating, Add	*1,305.94*	
		For Class 56 Rating, Add	*1,731.61*	
40 05 19 00-0774	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,928.23	627.24
		For Class 52 Rating, Deduct	*-657.57*	
		For Class 54 Rating, Add	*908.08*	
		For Class 55 Rating, Add	*1,355.87*	
		For Class 56 Rating, Add	*1,797.68*	
40 05 19 00-0775	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,156.69	630.61
		For Class 52 Rating, Deduct	*-682.13*	
		For Class 54 Rating, Add	*941.65*	
		For Class 55 Rating, Add	*1,405.80*	
		For Class 56 Rating, Add	*1,863.76*	
40 05 19 00-0776	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,385.16	633.98
		For Class 52 Rating, Deduct	*-706.70*	
		For Class 54 Rating, Add	*975.21*	
		For Class 55 Rating, Add	*1,455.74*	
		For Class 56 Rating, Add	*1,929.83*	
40 05 19 00-0777	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,613.62	637.36
		For Class 52 Rating, Deduct	*-731.27*	
		For Class 54 Rating, Add	*1,008.78*	
		For Class 55 Rating, Add	*1,505.66*	
		For Class 56 Rating, Add	*1,995.90*	
40 05 19 00-0778	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,842.08	640.73
		For Class 52 Rating, Deduct	*-755.84*	
		For Class 54 Rating, Add	*1,042.34*	
		For Class 55 Rating, Add	*1,555.59*	
		For Class 56 Rating, Add	*2,061.98*	
40 05 19 00-0779	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,070.54	644.10
		For Class 52 Rating, Deduct	*-780.41*	
		For Class 54 Rating, Add	*1,075.91*	
		For Class 55 Rating, Add	*1,605.53*	
		For Class 56 Rating, Add	*2,128.05*	
40 05 19 00-0780	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,299.01	647.47
		For Class 52 Rating, Deduct	*-804.98*	
		For Class 54 Rating, Add	*1,109.47*	
		For Class 55 Rating, Add	*1,655.46*	
		For Class 56 Rating, Add	*2,194.12*	
40 05 19 00-0781	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,527.48	650.84
		For Class 52 Rating, Deduct	*-829.55*	
		For Class 54 Rating, Add	*1,143.04*	
		For Class 55 Rating, Add	*1,705.39*	
		For Class 56 Rating, Add	*2,260.20*	
40 05 19 00-0782	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,755.94	654.21
		For Class 52 Rating, Deduct	*-854.12*	
		For Class 54 Rating, Add	*1,176.60*	
		For Class 55 Rating, Add	*1,755.32*	
		For Class 56 Rating, Add	*2,326.27*	
40 05 19 00-0783	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,984.41	657.59
		For Class 52 Rating, Deduct	*-878.69*	
		For Class 54 Rating, Add	*1,210.17*	
		For Class 55 Rating, Add	*1,805.25*	
		For Class 56 Rating, Add	*2,392.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0784	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,212.86	660.96
		For Class 52 Rating, Deduct	*-903.26*	
		For Class 54 Rating, Add	*1,243.73*	
		For Class 55 Rating, Add	*1,855.18*	
		For Class 56 Rating, Add	*2,458.42*	
40 05 19 00-0785	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,441.33	664.34
		For Class 52 Rating, Deduct	*-927.82*	
		For Class 54 Rating, Add	*1,277.29*	
		For Class 55 Rating, Add	*1,905.11*	
		For Class 56 Rating, Add	*2,524.49*	
40 05 19 00-0786	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,669.80	667.71
		For Class 52 Rating, Deduct	*-952.39*	
		For Class 54 Rating, Add	*1,310.86*	
		For Class 55 Rating, Add	*1,955.04*	
		For Class 56 Rating, Add	*2,590.57*	
40 05 19 00-0787	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,898.26	671.08
		For Class 52 Rating, Deduct	*-976.96*	
		For Class 54 Rating, Add	*1,344.42*	
		For Class 55 Rating, Add	*2,004.97*	
		For Class 56 Rating, Add	*2,656.64*	
40 05 19 00-0788	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,126.72	674.45
		For Class 52 Rating, Deduct	*-1,001.53*	
		For Class 54 Rating, Add	*1,377.99*	
		For Class 55 Rating, Add	*2,054.90*	
		For Class 56 Rating, Add	*2,722.71*	
40 05 19 00-0789	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,355.18	677.82
		For Class 52 Rating, Deduct	*-1,026.10*	
		For Class 54 Rating, Add	*1,411.55*	
		For Class 55 Rating, Add	*2,104.83*	
		For Class 56 Rating, Add	*2,788.79*	
40 05 19 00-0790	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,583.65	681.19
		For Class 52 Rating, Deduct	*-1,050.67*	
		For Class 54 Rating, Add	*1,445.12*	
		For Class 55 Rating, Add	*2,154.76*	
		For Class 56 Rating, Add	*2,854.86*	
40 05 19 00-0791	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,812.11	684.56
		For Class 52 Rating, Deduct	*-1,075.24*	
		For Class 54 Rating, Add	*1,478.68*	
		For Class 55 Rating, Add	*2,204.69*	
		For Class 56 Rating, Add	*2,920.93*	
40 05 19 00-0792	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,040.59	687.94
		For Class 52 Rating, Deduct	*-1,099.81*	
		For Class 54 Rating, Add	*1,512.25*	
		For Class 55 Rating, Add	*2,254.63*	
		For Class 56 Rating, Add	*2,987.01*	
40 05 19 00-0793	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,269.04	691.32
		For Class 52 Rating, Deduct	*-1,124.38*	
		For Class 54 Rating, Add	*1,545.81*	
		For Class 55 Rating, Add	*2,304.56*	
		For Class 56 Rating, Add	*3,053.08*	

40 05 19 00-0794 16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0795	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,297.38	647.47
		For Class 52 Rating, Deduct	*-254.80*	
		For Class 54 Rating, Add	*359.23*	
		For Class 55 Rating, Add	*540.09*	
		For Class 56 Rating, Add	*718.64*	
40 05 19 00-0796	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.49	650.84
		For Class 52 Rating, Deduct	*-283.51*	
		For Class 54 Rating, Add	*398.44*	
		For Class 55 Rating, Add	*598.42*	
		For Class 56 Rating, Add	*795.82*	
40 05 19 00-0797	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,829.60	654.21
		For Class 52 Rating, Deduct	*-312.22*	
		For Class 54 Rating, Add	*437.65*	
		For Class 55 Rating, Add	*656.74*	
		For Class 56 Rating, Add	*873.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,095.71	657.59
		For Class 52 Rating, Deduct	*-340.93*	
		For Class 54 Rating, Add	*476.86*	
		For Class 55 Rating, Add	*715.07*	
		For Class 56 Rating, Add	*950.18*	
40 05 19 00-0799	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,361.80	660.96
		For Class 52 Rating, Deduct	*-369.64*	
		For Class 54 Rating, Add	*516.07*	
		For Class 55 Rating, Add	*773.39*	
		For Class 56 Rating, Add	*1,027.36*	
40 05 19 00-0800	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,627.91	664.34
		For Class 52 Rating, Deduct	*-398.35*	
		For Class 54 Rating, Add	*555.28*	
		For Class 55 Rating, Add	*831.72*	
		For Class 56 Rating, Add	*1,104.53*	
40 05 19 00-0801	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,894.03	667.71
		For Class 52 Rating, Deduct	*-427.06*	
		For Class 54 Rating, Add	*594.49*	
		For Class 55 Rating, Add	*890.04*	
		For Class 56 Rating, Add	*1,181.71*	
40 05 19 00-0802	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,160.14	671.08
		For Class 52 Rating, Deduct	*-455.77*	
		For Class 54 Rating, Add	*633.70*	
		For Class 55 Rating, Add	*948.37*	
		For Class 56 Rating, Add	*1,258.89*	
40 05 19 00-0803	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,426.24	674.45
		For Class 52 Rating, Deduct	*-484.48*	
		For Class 54 Rating, Add	*672.92*	
		For Class 55 Rating, Add	*1,006.70*	
		For Class 56 Rating, Add	*1,336.07*	
40 05 19 00-0804	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,667.25	677.82
		For Class 52 Rating, Deduct	*-510.43*	
		For Class 54 Rating, Add	*708.36*	
		For Class 55 Rating, Add	*1,059.42*	
		For Class 56 Rating, Add	*1,405.85*	
40 05 19 00-0805	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,958.45	681.19
		For Class 52 Rating, Deduct	*-541.90*	
		For Class 54 Rating, Add	*751.34*	
		For Class 55 Rating, Add	*1,123.34*	
		For Class 56 Rating, Add	*1,490.43*	
40 05 19 00-0806	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,224.56	684.56
		For Class 52 Rating, Deduct	*-570.61*	
		For Class 54 Rating, Add	*790.55*	
		For Class 55 Rating, Add	*1,181.67*	
		For Class 56 Rating, Add	*1,567.61*	
40 05 19 00-0807	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,490.68	687.94
		For Class 52 Rating, Deduct	*-599.32*	
		For Class 54 Rating, Add	*829.76*	
		For Class 55 Rating, Add	*1,240.00*	
		For Class 56 Rating, Add	*1,644.78*	
40 05 19 00-0808	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,756.78	691.32
		For Class 52 Rating, Deduct	*-628.03*	
		For Class 54 Rating, Add	*868.97*	
		For Class 55 Rating, Add	*1,298.32*	
		For Class 56 Rating, Add	*1,721.96*	
40 05 19 00-0809	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,022.89	694.69
		For Class 52 Rating, Deduct	*-656.74*	
		For Class 54 Rating, Add	*908.18*	
		For Class 55 Rating, Add	*1,356.65*	
		For Class 56 Rating, Add	*1,799.14*	
40 05 19 00-0810	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,289.00	698.06
		For Class 52 Rating, Deduct	*-685.45*	
		For Class 54 Rating, Add	*947.39*	
		For Class 55 Rating, Add	*1,414.97*	
		For Class 56 Rating, Add	*1,876.32*	
40 05 19 00-0811	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,555.11	701.43
		For Class 52 Rating, Deduct	*-714.16*	
		For Class 54 Rating, Add	*986.60*	
		For Class 55 Rating, Add	*1,473.30*	
		For Class 56 Rating, Add	*1,953.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0812	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,821.21	704.80
		For Class 52 Rating, Deduct	*-742.87*	
		For Class 54 Rating, Add	*1,025.81*	
		For Class 55 Rating, Add	*1,531.62*	
		For Class 56 Rating, Add	*2,030.68*	
40 05 19 00-0813	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,087.32	708.17
		For Class 52 Rating, Deduct	*-771.58*	
		For Class 54 Rating, Add	*1,065.03*	
		For Class 55 Rating, Add	*1,589.95*	
		For Class 56 Rating, Add	*2,107.85*	
40 05 19 00-0814	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,353.43	711.54
		For Class 52 Rating, Deduct	*-800.29*	
		For Class 54 Rating, Add	*1,104.24*	
		For Class 55 Rating, Add	*1,648.27*	
		For Class 56 Rating, Add	*2,185.03*	
40 05 19 00-0815	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,619.54	714.91
		For Class 52 Rating, Deduct	*-829.00*	
		For Class 54 Rating, Add	*1,143.45*	
		For Class 55 Rating, Add	*1,706.60*	
		For Class 56 Rating, Add	*2,262.21*	
40 05 19 00-0816	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,885.65	718.29
		For Class 52 Rating, Deduct	*-857.71*	
		For Class 54 Rating, Add	*1,182.66*	
		For Class 55 Rating, Add	*1,764.92*	
		For Class 56 Rating, Add	*2,339.39*	
40 05 19 00-0817	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,151.76	721.67
		For Class 52 Rating, Deduct	*-886.42*	
		For Class 54 Rating, Add	*1,221.87*	
		For Class 55 Rating, Add	*1,823.25*	
		For Class 56 Rating, Add	*2,416.57*	
40 05 19 00-0818	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,417.85	725.04
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,261.08*	
		For Class 55 Rating, Add	*1,881.57*	
		For Class 56 Rating, Add	*2,493.75*	
40 05 19 00-0819	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,683.96	728.41
		For Class 52 Rating, Deduct	*-943.84*	
		For Class 54 Rating, Add	*1,300.29*	
		For Class 55 Rating, Add	*1,939.90*	
		For Class 56 Rating, Add	*2,570.93*	
40 05 19 00-0820	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,950.08	731.78
		For Class 52 Rating, Deduct	*-972.55*	
		For Class 54 Rating, Add	*1,339.50*	
		For Class 55 Rating, Add	*1,998.22*	
		For Class 56 Rating, Add	*2,648.10*	
40 05 19 00-0821	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,216.19	735.15
		For Class 52 Rating, Deduct	*-1,001.26*	
		For Class 54 Rating, Add	*1,378.71*	
		For Class 55 Rating, Add	*2,056.55*	
		For Class 56 Rating, Add	*2,725.28*	
40 05 19 00-0822	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,482.29	738.52
		For Class 52 Rating, Deduct	*-1,029.97*	
		For Class 54 Rating, Add	*1,417.93*	
		For Class 55 Rating, Add	*2,114.88*	
		For Class 56 Rating, Add	*2,802.46*	
40 05 19 00-0823	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,748.40	741.89
		For Class 52 Rating, Deduct	*-1,058.68*	
		For Class 54 Rating, Add	*1,457.14*	
		For Class 55 Rating, Add	*2,173.20*	
		For Class 56 Rating, Add	*2,879.64*	
40 05 19 00-0824	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,014.50	745.26
		For Class 52 Rating, Deduct	*-1,087.38*	
		For Class 54 Rating, Add	*1,496.35*	
		For Class 55 Rating, Add	*2,231.52*	
		For Class 56 Rating, Add	*2,956.82*	
40 05 19 00-0825	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,280.61	748.64
		For Class 52 Rating, Deduct	*-1,116.09*	
		For Class 54 Rating, Add	*1,535.56*	
		For Class 55 Rating, Add	*2,289.85*	
		For Class 56 Rating, Add	*3,034.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0826	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,546.73	752.01
		For Class 52 Rating, Deduct	*-1,144.80*	
		For Class 54 Rating, Add	*1,574.77*	
		For Class 55 Rating, Add	*2,348.18*	
		For Class 56 Rating, Add	*3,111.18*	
40 05 19 00-0827	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,812.83	755.39
		For Class 52 Rating, Deduct	*-1,173.51*	
		For Class 54 Rating, Add	*1,613.98*	
		For Class 55 Rating, Add	*2,406.50*	
		For Class 56 Rating, Add	*3,188.35*	
40 05 19 00-0828	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,078.94	758.76
		For Class 52 Rating, Deduct	*-1,202.22*	
		For Class 54 Rating, Add	*1,653.19*	
		For Class 55 Rating, Add	*2,464.83*	
		For Class 56 Rating, Add	*3,265.53*	
40 05 19 00-0829	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,345.05	762.13
		For Class 52 Rating, Deduct	*-1,230.93*	
		For Class 54 Rating, Add	*1,692.40*	
		For Class 55 Rating, Add	*2,523.15*	
		For Class 56 Rating, Add	*3,342.71*	
40 05 19 00-0830	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,611.15	765.50
		For Class 52 Rating, Deduct	*-1,259.64*	
		For Class 54 Rating, Add	*1,731.61*	
		For Class 55 Rating, Add	*2,581.48*	
		For Class 56 Rating, Add	*3,419.89*	
40 05 19 00-0831	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,877.26	768.87
		For Class 52 Rating, Deduct	*-1,288.35*	
		For Class 54 Rating, Add	*1,770.82*	
		For Class 55 Rating, Add	*2,639.80*	
		For Class 56 Rating, Add	*3,497.07*	
40 05 19 00-0832	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,143.37	772.24
		For Class 52 Rating, Deduct	*-1,317.06*	
		For Class 54 Rating, Add	*1,810.04*	
		For Class 55 Rating, Add	*2,698.13*	
		For Class 56 Rating, Add	*3,574.25*	

40 05 19 00-0833 18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0834	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,853.70	729.76
		For Class 52 Rating, Deduct	*-302.28*	
		For Class 54 Rating, Add	*425.47*	
		For Class 55 Rating, Add	*639.34*	
		For Class 56 Rating, Add	*850.47*	
40 05 19 00-0835	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,159.96	733.13
		For Class 52 Rating, Deduct	*-335.41*	
		For Class 54 Rating, Add	*470.70*	
		For Class 55 Rating, Add	*706.62*	
		For Class 56 Rating, Add	*939.49*	
40 05 19 00-0836	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,466.23	736.50
		For Class 52 Rating, Deduct	*-368.54*	
		For Class 54 Rating, Add	*515.94*	
		For Class 55 Rating, Add	*773.90*	
		For Class 56 Rating, Add	*1,028.52*	
40 05 19 00-0837	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,772.49	739.87
		For Class 52 Rating, Deduct	*-401.66*	
		For Class 54 Rating, Add	*561.17*	
		For Class 55 Rating, Add	*841.18*	
		For Class 56 Rating, Add	*1,117.54*	
40 05 19 00-0838	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,078.75	743.24
		For Class 52 Rating, Deduct	*-434.79*	
		For Class 54 Rating, Add	*606.41*	
		For Class 55 Rating, Add	*908.46*	
		For Class 56 Rating, Add	*1,206.56*	
40 05 19 00-0839	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,385.00	746.63
		For Class 52 Rating, Deduct	*-467.91*	
		For Class 54 Rating, Add	*651.64*	
		For Class 55 Rating, Add	*975.74*	
		For Class 56 Rating, Add	*1,295.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0840	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,691.27	750.00
		For Class 52 Rating, Deduct	*-501.04*	
		For Class 54 Rating, Add	*696.87*	
		For Class 55 Rating, Add	*1,043.02*	
		For Class 56 Rating, Add	*1,384.61*	
40 05 19 00-0841	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,997.54	753.37
		For Class 52 Rating, Deduct	*-534.17*	
		For Class 54 Rating, Add	*742.11*	
		For Class 55 Rating, Add	*1,110.30*	
		For Class 56 Rating, Add	*1,473.64*	
40 05 19 00-0842	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,303.80	756.74
		For Class 52 Rating, Deduct	*-567.30*	
		For Class 54 Rating, Add	*787.34*	
		For Class 55 Rating, Add	*1,177.58*	
		For Class 56 Rating, Add	*1,562.66*	
40 05 19 00-0843	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,610.05	760.11
		For Class 52 Rating, Deduct	*-600.42*	
		For Class 54 Rating, Add	*832.58*	
		For Class 55 Rating, Add	*1,244.86*	
		For Class 56 Rating, Add	*1,651.68*	
40 05 19 00-0844	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,916.31	763.48
		For Class 52 Rating, Deduct	*-633.55*	
		For Class 54 Rating, Add	*877.81*	
		For Class 55 Rating, Add	*1,312.14*	
		For Class 56 Rating, Add	*1,740.71*	
40 05 19 00-0845	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,222.57	766.85
		For Class 52 Rating, Deduct	*-666.67*	
		For Class 54 Rating, Add	*923.04*	
		For Class 55 Rating, Add	*1,379.42*	
		For Class 56 Rating, Add	*1,829.73*	
40 05 19 00-0846	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,528.84	770.22
		For Class 52 Rating, Deduct	*-699.80*	
		For Class 54 Rating, Add	*968.28*	
		For Class 55 Rating, Add	*1,446.70*	
		For Class 56 Rating, Add	*1,918.75*	
40 05 19 00-0847	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,835.11	773.60
		For Class 52 Rating, Deduct	*-732.93*	
		For Class 54 Rating, Add	*1,013.51*	
		For Class 55 Rating, Add	*1,513.98*	
		For Class 56 Rating, Add	*2,007.78*	
40 05 19 00-0848	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,141.36	776.98
		For Class 52 Rating, Deduct	*-766.06*	
		For Class 54 Rating, Add	*1,058.75*	
		For Class 55 Rating, Add	*1,581.26*	
		For Class 56 Rating, Add	*2,096.80*	
40 05 19 00-0849	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,447.62	780.35
		For Class 52 Rating, Deduct	*-799.18*	
		For Class 54 Rating, Add	*1,103.98*	
		For Class 55 Rating, Add	*1,648.54*	
		For Class 56 Rating, Add	*2,185.82*	
40 05 19 00-0850	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,753.88	783.72
		For Class 52 Rating, Deduct	*-832.31*	
		For Class 54 Rating, Add	*1,149.22*	
		For Class 55 Rating, Add	*1,715.81*	
		For Class 56 Rating, Add	*2,274.85*	
40 05 19 00-0851	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,060.15	787.09
		For Class 52 Rating, Deduct	*-865.44*	
		For Class 54 Rating, Add	*1,194.45*	
		For Class 55 Rating, Add	*1,783.10*	
		For Class 56 Rating, Add	*2,363.87*	
40 05 19 00-0852	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,366.41	790.46
		For Class 52 Rating, Deduct	*-898.56*	
		For Class 54 Rating, Add	*1,239.68*	
		For Class 55 Rating, Add	*1,850.38*	
		For Class 56 Rating, Add	*2,452.90*	
40 05 19 00-0853	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,672.67	793.83
		For Class 52 Rating, Deduct	*-931.69*	
		For Class 54 Rating, Add	*1,284.92*	
		For Class 55 Rating, Add	*1,917.65*	
		For Class 56 Rating, Add	*2,541.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0854	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,978.93	797.20
		For Class 52 Rating, Deduct	*-964.82*	
		For Class 54 Rating, Add	*1,330.15*	
		For Class 55 Rating, Add	*1,984.93*	
		For Class 56 Rating, Add	*2,630.94*	
40 05 19 00-0855	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,285.19	800.57
		For Class 52 Rating, Deduct	*-997.94*	
		For Class 54 Rating, Add	*1,375.39*	
		For Class 55 Rating, Add	*2,052.21*	
		For Class 56 Rating, Add	*2,719.97*	
40 05 19 00-0856	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,591.46	803.95
		For Class 52 Rating, Deduct	*-1,031.07*	
		For Class 54 Rating, Add	*1,420.62*	
		For Class 55 Rating, Add	*2,119.49*	
		For Class 56 Rating, Add	*2,808.99*	
40 05 19 00-0857	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,897.72	807.32
		For Class 52 Rating, Deduct	*-1,064.20*	
		For Class 54 Rating, Add	*1,465.86*	
		For Class 55 Rating, Add	*2,186.77*	
		For Class 56 Rating, Add	*2,898.02*	
40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,203.97	810.70
		For Class 52 Rating, Deduct	*-1,097.32*	
		For Class 54 Rating, Add	*1,511.09*	
		For Class 55 Rating, Add	*2,254.05*	
		For Class 56 Rating, Add	*2,987.04*	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,510.24	814.07
		For Class 52 Rating, Deduct	*-1,130.45*	
		For Class 54 Rating, Add	*1,556.32*	
		For Class 55 Rating, Add	*2,321.33*	
		For Class 56 Rating, Add	*3,076.06*	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,816.50	817.44
		For Class 52 Rating, Deduct	*-1,163.58*	
		For Class 54 Rating, Add	*1,601.56*	
		For Class 55 Rating, Add	*2,388.61*	
		For Class 56 Rating, Add	*3,165.09*	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,122.77	820.81
		For Class 52 Rating, Deduct	*-1,196.70*	
		For Class 54 Rating, Add	*1,646.79*	
		For Class 55 Rating, Add	*2,455.89*	
		For Class 56 Rating, Add	*3,254.11*	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,429.02	824.18
		For Class 52 Rating, Deduct	*-1,229.83*	
		For Class 54 Rating, Add	*1,692.03*	
		For Class 55 Rating, Add	*2,523.17*	
		For Class 56 Rating, Add	*3,343.13*	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,735.28	827.55
		For Class 52 Rating, Deduct	*-1,262.96*	
		For Class 54 Rating, Add	*1,737.26*	
		For Class 55 Rating, Add	*2,590.45*	
		For Class 56 Rating, Add	*3,432.16*	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,041.54	830.93
		For Class 52 Rating, Deduct	*-1,296.08*	
		For Class 54 Rating, Add	*1,782.49*	
		For Class 55 Rating, Add	*2,657.73*	
		For Class 56 Rating, Add	*3,521.18*	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,347.81	834.30
		For Class 52 Rating, Deduct	*-1,329.21*	
		For Class 54 Rating, Add	*1,827.73*	
		For Class 55 Rating, Add	*2,725.01*	
		For Class 56 Rating, Add	*3,610.20*	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,654.08	837.67
		For Class 52 Rating, Deduct	*-1,362.34*	
		For Class 54 Rating, Add	*1,872.96*	
		For Class 55 Rating, Add	*2,792.29*	
		For Class 56 Rating, Add	*3,699.23*	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,960.33	841.05
		For Class 52 Rating, Deduct	*-1,395.46*	
		For Class 54 Rating, Add	*1,918.20*	
		For Class 55 Rating, Add	*2,859.57*	
		For Class 56 Rating, Add	*3,788.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,266.59	844.42
		For Class 52 Rating, Deduct	*-1,428.59*	
		For Class 54 Rating, Add	*1,963.43*	
		For Class 55 Rating, Add	*2,926.85*	
		For Class 56 Rating, Add	*3,877.28*	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,572.85	847.79
		For Class 52 Rating, Deduct	*-1,461.72*	
		For Class 54 Rating, Add	*2,008.66*	
		For Class 55 Rating, Add	*2,994.13*	
		For Class 56 Rating, Add	*3,966.30*	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,879.11	851.16
		For Class 52 Rating, Deduct	*-1,494.84*	
		For Class 54 Rating, Add	*2,053.90*	
		For Class 55 Rating, Add	*3,061.41*	
		For Class 56 Rating, Add	*4,055.32*	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,185.38	854.53
		For Class 52 Rating, Deduct	*-1,527.97*	
		For Class 54 Rating, Add	*2,099.13*	
		For Class 55 Rating, Add	*3,128.69*	
		For Class 56 Rating, Add	*4,144.35*	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0873	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,471.81	832.95
		For Class 52 Rating, Deduct	*-353.08*	
		For Class 54 Rating, Add	*496.61*	
		For Class 55 Rating, Add	*746.07*	
		For Class 56 Rating, Add	*992.32*	
40 05 19 00-0874	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,823.25	836.32
		For Class 52 Rating, Deduct	*-391.17*	
		For Class 54 Rating, Add	*548.62*	
		For Class 55 Rating, Add	*823.42*	
		For Class 56 Rating, Add	*1,094.67*	
40 05 19 00-0875	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,174.69	839.69
		For Class 52 Rating, Deduct	*-429.27*	
		For Class 54 Rating, Add	*600.63*	
		For Class 55 Rating, Add	*900.78*	
		For Class 56 Rating, Add	*1,197.02*	
40 05 19 00-0876	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,526.12	843.06
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*652.64*	
		For Class 55 Rating, Add	*978.13*	
		For Class 56 Rating, Add	*1,299.37*	
40 05 19 00-0877	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,877.56	846.43
		For Class 52 Rating, Deduct	*-505.46*	
		For Class 54 Rating, Add	*704.65*	
		For Class 55 Rating, Add	*1,055.48*	
		For Class 56 Rating, Add	*1,401.72*	
40 05 19 00-0878	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,228.98	849.81
		For Class 52 Rating, Deduct	*-543.55*	
		For Class 54 Rating, Add	*756.66*	
		For Class 55 Rating, Add	*1,132.83*	
		For Class 56 Rating, Add	*1,504.07*	
40 05 19 00-0879	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,580.42	853.18
		For Class 52 Rating, Deduct	*-581.65*	
		For Class 54 Rating, Add	*808.67*	
		For Class 55 Rating, Add	*1,210.19*	
		For Class 56 Rating, Add	*1,606.42*	
40 05 19 00-0880	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,931.86	856.55
		For Class 52 Rating, Deduct	*-619.75*	
		For Class 54 Rating, Add	*860.68*	
		For Class 55 Rating, Add	*1,287.54*	
		For Class 56 Rating, Add	*1,708.77*	
40 05 19 00-0881	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,283.30	859.93
		For Class 52 Rating, Deduct	*-657.84*	
		For Class 54 Rating, Add	*912.69*	
		For Class 55 Rating, Add	*1,364.89*	
		For Class 56 Rating, Add	*1,811.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0882	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,634.73	863.30
		For Class 52 Rating, Deduct	*-695.94*	
		For Class 54 Rating, Add	*964.70*	
		For Class 55 Rating, Add	*1,442.25*	
		For Class 56 Rating, Add	*1,913.47*	
40 05 19 00-0883	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,986.16	866.67
		For Class 52 Rating, Deduct	*-734.03*	
		For Class 54 Rating, Add	*1,016.71*	
		For Class 55 Rating, Add	*1,519.60*	
		For Class 56 Rating, Add	*2,015.82*	
40 05 19 00-0884	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,337.59	870.04
		For Class 52 Rating, Deduct	*-772.13*	
		For Class 54 Rating, Add	*1,068.72*	
		For Class 55 Rating, Add	*1,596.95*	
		For Class 56 Rating, Add	*2,118.16*	
40 05 19 00-0885	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,689.03	873.41
		For Class 52 Rating, Deduct	*-810.22*	
		For Class 54 Rating, Add	*1,120.73*	
		For Class 55 Rating, Add	*1,674.31*	
		For Class 56 Rating, Add	*2,220.52*	
40 05 19 00-0886	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,040.47	876.78
		For Class 52 Rating, Deduct	*-848.32*	
		For Class 54 Rating, Add	*1,172.74*	
		For Class 55 Rating, Add	*1,751.66*	
		For Class 56 Rating, Add	*2,322.86*	
40 05 19 00-0887	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,391.91	880.16
		For Class 52 Rating, Deduct	*-886.42*	
		For Class 54 Rating, Add	*1,224.75*	
		For Class 55 Rating, Add	*1,829.01*	
		For Class 56 Rating, Add	*2,425.22*	
40 05 19 00-0888	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,743.33	883.53
		For Class 52 Rating, Deduct	*-924.51*	
		For Class 54 Rating, Add	*1,276.76*	
		For Class 55 Rating, Add	*1,906.37*	
		For Class 56 Rating, Add	*2,527.56*	
40 05 19 00-0889	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,094.77	886.90
		For Class 52 Rating, Deduct	*-962.61*	
		For Class 54 Rating, Add	*1,328.77*	
		For Class 55 Rating, Add	*1,983.72*	
		For Class 56 Rating, Add	*2,629.92*	
40 05 19 00-0890	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,446.20	890.28
		For Class 52 Rating, Deduct	*-1,000.70*	
		For Class 54 Rating, Add	*1,380.78*	
		For Class 55 Rating, Add	*2,061.07*	
		For Class 56 Rating, Add	*2,732.26*	
40 05 19 00-0891	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,797.63	893.65
		For Class 52 Rating, Deduct	*-1,038.80*	
		For Class 54 Rating, Add	*1,432.79*	
		For Class 55 Rating, Add	*2,138.42*	
		For Class 56 Rating, Add	*2,834.61*	
40 05 19 00-0892	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,149.06	897.02
		For Class 52 Rating, Deduct	*-1,076.89*	
		For Class 54 Rating, Add	*1,484.80*	
		For Class 55 Rating, Add	*2,215.78*	
		For Class 56 Rating, Add	*2,936.96*	
40 05 19 00-0893	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,500.50	900.39
		For Class 52 Rating, Deduct	*-1,114.99*	
		For Class 54 Rating, Add	*1,536.81*	
		For Class 55 Rating, Add	*2,293.13*	
		For Class 56 Rating, Add	*3,039.31*	
40 05 19 00-0894	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,851.94	903.76
		For Class 52 Rating, Deduct	*-1,153.09*	
		For Class 54 Rating, Add	*1,588.82*	
		For Class 55 Rating, Add	*2,370.48*	
		For Class 56 Rating, Add	*3,141.66*	
40 05 19 00-0895	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,203.37	907.13
		For Class 52 Rating, Deduct	*-1,191.18*	
		For Class 54 Rating, Add	*1,640.83*	
		For Class 55 Rating, Add	*2,447.84*	
		For Class 56 Rating, Add	*3,244.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0896	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,554.81	910.50
		For Class 52 Rating, Deduct	*-1,229.28*	
		For Class 54 Rating, Add	*1,692.84*	
		For Class 55 Rating, Add	*2,525.19*	
		For Class 56 Rating, Add	*3,346.36*	
40 05 19 00-0897	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,906.23	913.88
		For Class 52 Rating, Deduct	*-1,267.37*	
		For Class 54 Rating, Add	*1,744.85*	
		For Class 55 Rating, Add	*2,602.54*	
		For Class 56 Rating, Add	*3,448.71*	
40 05 19 00-0898	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,257.67	917.26
		For Class 52 Rating, Deduct	*-1,305.47*	
		For Class 54 Rating, Add	*1,796.86*	
		For Class 55 Rating, Add	*2,679.90*	
		For Class 56 Rating, Add	*3,551.06*	
40 05 19 00-0899	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,609.11	920.63
		For Class 52 Rating, Deduct	*-1,343.56*	
		For Class 54 Rating, Add	*1,848.87*	
		For Class 55 Rating, Add	*2,757.25*	
		For Class 56 Rating, Add	*3,653.41*	
40 05 19 00-0900	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,960.55	924.00
		For Class 52 Rating, Deduct	*-1,381.66*	
		For Class 54 Rating, Add	*1,900.88*	
		For Class 55 Rating, Add	*2,834.60*	
		For Class 56 Rating, Add	*3,755.76*	
40 05 19 00-0901	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,311.98	927.37
		For Class 52 Rating, Deduct	*-1,419.76*	
		For Class 54 Rating, Add	*1,952.89*	
		For Class 55 Rating, Add	*2,911.95*	
		For Class 56 Rating, Add	*3,858.11*	
40 05 19 00-0902	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,663.41	930.74
		For Class 52 Rating, Deduct	*-1,457.85*	
		For Class 54 Rating, Add	*2,004.90*	
		For Class 55 Rating, Add	*2,989.31*	
		For Class 56 Rating, Add	*3,960.46*	
40 05 19 00-0903	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,014.84	934.11
		For Class 52 Rating, Deduct	*-1,495.95*	
		For Class 54 Rating, Add	*2,056.91*	
		For Class 55 Rating, Add	*3,066.66*	
		For Class 56 Rating, Add	*4,062.81*	
40 05 19 00-0904	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,366.28	937.48
		For Class 52 Rating, Deduct	*-1,534.04*	
		For Class 54 Rating, Add	*2,108.92*	
		For Class 55 Rating, Add	*3,144.01*	
		For Class 56 Rating, Add	*4,165.16*	
40 05 19 00-0905	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,717.72	940.85
		For Class 52 Rating, Deduct	*-1,572.14*	
		For Class 54 Rating, Add	*2,160.93*	
		For Class 55 Rating, Add	*3,221.37*	
		For Class 56 Rating, Add	*4,267.51*	
40 05 19 00-0906	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,069.15	944.24
		For Class 52 Rating, Deduct	*-1,610.24*	
		For Class 54 Rating, Add	*2,212.94*	
		For Class 55 Rating, Add	*3,298.72*	
		For Class 56 Rating, Add	*4,369.86*	
40 05 19 00-0907	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,420.58	947.61
		For Class 52 Rating, Deduct	*-1,648.33*	
		For Class 54 Rating, Add	*2,264.95*	
		For Class 55 Rating, Add	*3,376.07*	
		For Class 56 Rating, Add	*4,472.21*	
40 05 19 00-0908	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,772.02	950.98
		For Class 52 Rating, Deduct	*-1,686.43*	
		For Class 54 Rating, Add	*2,316.96*	
		For Class 55 Rating, Add	*3,453.43*	
		For Class 56 Rating, Add	*4,574.56*	
40 05 19 00-0909	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,123.45	954.35
		For Class 52 Rating, Deduct	*-1,724.52*	
		For Class 54 Rating, Add	*2,368.97*	
		For Class 55 Rating, Add	*3,530.78*	
		For Class 56 Rating, Add	*4,676.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0910	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,474.89	957.72
		For Class 52 Rating, Deduct	*-1,762.62*	
		For Class 54 Rating, Add	*2,420.98*	
		For Class 55 Rating, Add	*3,608.13*	
		For Class 56 Rating, Add	*4,779.26*	

40 05 19 00-0911 24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0912	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,547.48	984.70
		For Class 52 Rating, Deduct	*-446.11*	
		For Class 54 Rating, Add	*626.23*	
		For Class 55 Rating, Add	*940.19*	
		For Class 56 Rating, Add	*1,250.09*	
40 05 19 00-0913	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,981.74	988.07
		For Class 52 Rating, Deduct	*-493.31*	
		For Class 54 Rating, Add	*690.66*	
		For Class 55 Rating, Add	*1,036.01*	
		For Class 56 Rating, Add	*1,376.87*	
40 05 19 00-0914	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,415.99	991.44
		For Class 52 Rating, Deduct	*-540.52*	
		For Class 54 Rating, Add	*755.10*	
		For Class 55 Rating, Add	*1,131.83*	
		For Class 56 Rating, Add	*1,503.65*	
40 05 19 00-0915	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,850.23	994.81
		For Class 52 Rating, Deduct	*-587.72*	
		For Class 54 Rating, Add	*819.53*	
		For Class 55 Rating, Add	*1,227.65*	
		For Class 56 Rating, Add	*1,630.43*	
40 05 19 00-0916	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,284.48	998.18
		For Class 52 Rating, Deduct	*-634.93*	
		For Class 54 Rating, Add	*883.96*	
		For Class 55 Rating, Add	*1,323.47*	
		For Class 56 Rating, Add	*1,757.21*	
40 05 19 00-0917	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,718.73	1,001.56
		For Class 52 Rating, Deduct	*-682.13*	
		For Class 54 Rating, Add	*948.39*	
		For Class 55 Rating, Add	*1,419.29*	
		For Class 56 Rating, Add	*1,883.99*	
40 05 19 00-0918	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,152.99	1,004.93
		For Class 52 Rating, Deduct	*-729.34*	
		For Class 54 Rating, Add	*1,012.83*	
		For Class 55 Rating, Add	*1,515.11*	
		For Class 56 Rating, Add	*2,010.77*	
40 05 19 00-0919	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,587.23	1,008.31
		For Class 52 Rating, Deduct	*-776.55*	
		For Class 54 Rating, Add	*1,077.26*	
		For Class 55 Rating, Add	*1,610.93*	
		For Class 56 Rating, Add	*2,137.55*	
40 05 19 00-0920	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,021.49	1,011.68
		For Class 52 Rating, Deduct	*-823.75*	
		For Class 54 Rating, Add	*1,141.69*	
		For Class 55 Rating, Add	*1,706.76*	
		For Class 56 Rating, Add	*2,264.33*	
40 05 19 00-0921	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,455.74	1,015.05
		For Class 52 Rating, Deduct	*-870.96*	
		For Class 54 Rating, Add	*1,206.12*	
		For Class 55 Rating, Add	*1,802.58*	
		For Class 56 Rating, Add	*2,391.11*	
40 05 19 00-0922	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,889.99	1,018.42
		For Class 52 Rating, Deduct	*-918.16*	
		For Class 54 Rating, Add	*1,270.56*	
		For Class 55 Rating, Add	*1,898.40*	
		For Class 56 Rating, Add	*2,517.89*	
40 05 19 00-0923	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,324.24	1,021.79
		For Class 52 Rating, Deduct	*-965.37*	
		For Class 54 Rating, Add	*1,334.99*	
		For Class 55 Rating, Add	*1,994.22*	
		For Class 56 Rating, Add	*2,644.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0924	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,758.49	1,025.16
		For Class 52 Rating, Deduct	*-1,012.57*	
		For Class 54 Rating, Add	*1,399.42*	
		For Class 55 Rating, Add	*2,090.04*	
		For Class 56 Rating, Add	*2,771.46*	
40 05 19 00-0925	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,192.74	1,028.54
		For Class 52 Rating, Deduct	*-1,059.78*	
		For Class 54 Rating, Add	*1,463.85*	
		For Class 55 Rating, Add	*2,185.86*	
		For Class 56 Rating, Add	*2,898.24*	
40 05 19 00-0926	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,627.00	1,031.91
		For Class 52 Rating, Deduct	*-1,106.99*	
		For Class 54 Rating, Add	*1,528.29*	
		For Class 55 Rating, Add	*2,281.68*	
		For Class 56 Rating, Add	*3,025.02*	
40 05 19 00-0927	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,061.25	1,035.28
		For Class 52 Rating, Deduct	*-1,154.19*	
		For Class 54 Rating, Add	*1,592.72*	
		For Class 55 Rating, Add	*2,377.51*	
		For Class 56 Rating, Add	*3,151.80*	
40 05 19 00-0928	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,495.50	1,038.65
		For Class 52 Rating, Deduct	*-1,201.40*	
		For Class 54 Rating, Add	*1,657.15*	
		For Class 55 Rating, Add	*2,473.33*	
		For Class 56 Rating, Add	*3,278.58*	
40 05 19 00-0929	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,929.74	1,042.03
		For Class 52 Rating, Deduct	*-1,248.60*	
		For Class 54 Rating, Add	*1,721.58*	
		For Class 55 Rating, Add	*2,569.15*	
		For Class 56 Rating, Add	*3,405.36*	
40 05 19 00-0930	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,364.00	1,045.40
		For Class 52 Rating, Deduct	*-1,295.81*	
		For Class 54 Rating, Add	*1,786.02*	
		For Class 55 Rating, Add	*2,664.97*	
		For Class 56 Rating, Add	*3,532.14*	
40 05 19 00-0931	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,798.25	1,048.77
		For Class 52 Rating, Deduct	*-1,343.01*	
		For Class 54 Rating, Add	*1,850.45*	
		For Class 55 Rating, Add	*2,760.79*	
		For Class 56 Rating, Add	*3,658.92*	
40 05 19 00-0932	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,232.51	1,052.14
		For Class 52 Rating, Deduct	*-1,390.22*	
		For Class 54 Rating, Add	*1,914.88*	
		For Class 55 Rating, Add	*2,856.61*	
		For Class 56 Rating, Add	*3,785.70*	
40 05 19 00-0933	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,666.75	1,055.51
		For Class 52 Rating, Deduct	*-1,437.42*	
		For Class 54 Rating, Add	*1,979.31*	
		For Class 55 Rating, Add	*2,952.43*	
		For Class 56 Rating, Add	*3,912.48*	
40 05 19 00-0934	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,101.00	1,058.89
		For Class 52 Rating, Deduct	*-1,484.63*	
		For Class 54 Rating, Add	*2,043.75*	
		For Class 55 Rating, Add	*3,048.25*	
		For Class 56 Rating, Add	*4,039.26*	
40 05 19 00-0935	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,535.25	1,062.26
		For Class 52 Rating, Deduct	*-1,531.83*	
		For Class 54 Rating, Add	*2,108.18*	
		For Class 55 Rating, Add	*3,144.07*	
		For Class 56 Rating, Add	*4,166.04*	
40 05 19 00-0936	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,969.50	1,065.63
		For Class 52 Rating, Deduct	*-1,579.04*	
		For Class 54 Rating, Add	*2,172.61*	
		For Class 55 Rating, Add	*3,239.90*	
		For Class 56 Rating, Add	*4,292.82*	
40 05 19 00-0937	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,403.76	1,069.00
		For Class 52 Rating, Deduct	*-1,626.25*	
		For Class 54 Rating, Add	*2,237.04*	
		For Class 55 Rating, Add	*3,335.72*	
		For Class 56 Rating, Add	*4,419.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0938	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,838.01	1,072.38
		For Class 52 Rating, Deduct	*-1,673.45*	
		For Class 54 Rating, Add	*2,301.48*	
		For Class 55 Rating, Add	*3,431.54*	
		For Class 56 Rating, Add	*4,546.39*	
40 05 19 00-0939	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,272.26	1,075.75
		For Class 52 Rating, Deduct	*-1,720.66*	
		For Class 54 Rating, Add	*2,365.91*	
		For Class 55 Rating, Add	*3,527.36*	
		For Class 56 Rating, Add	*4,673.17*	
40 05 19 00-0940	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,706.51	1,079.12
		For Class 52 Rating, Deduct	*-1,767.86*	
		For Class 54 Rating, Add	*2,430.34*	
		For Class 55 Rating, Add	*3,623.18*	
		For Class 56 Rating, Add	*4,799.95*	
40 05 19 00-0941	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,227.62	1,139.82
		For Class 52 Rating, Deduct	*-1,815.07*	
		For Class 54 Rating, Add	*2,495.82*	
		For Class 55 Rating, Add	*3,721.09*	
		For Class 56 Rating, Add	*4,929.85*	
40 05 19 00-0942	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,661.87	1,143.20
		For Class 52 Rating, Deduct	*-1,862.27*	
		For Class 54 Rating, Add	*2,560.25*	
		For Class 55 Rating, Add	*3,816.91*	
		For Class 56 Rating, Add	*5,056.64*	
40 05 19 00-0943	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,096.12	1,146.57
		For Class 52 Rating, Deduct	*-1,909.48*	
		For Class 54 Rating, Add	*2,624.68*	
		For Class 55 Rating, Add	*3,912.73*	
		For Class 56 Rating, Add	*5,183.42*	
40 05 19 00-0944	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,530.37	1,149.94
		For Class 52 Rating, Deduct	*-1,956.68*	
		For Class 54 Rating, Add	*2,689.11*	
		For Class 55 Rating, Add	*4,008.55*	
		For Class 56 Rating, Add	*5,310.20*	
40 05 19 00-0945	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,964.63	1,153.31
		For Class 52 Rating, Deduct	*-2,003.89*	
		For Class 54 Rating, Add	*2,753.55*	
		For Class 55 Rating, Add	*4,104.37*	
		For Class 56 Rating, Add	*5,436.98*	
40 05 19 00-0946	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,398.88	1,156.68
		For Class 52 Rating, Deduct	*-2,051.10*	
		For Class 54 Rating, Add	*2,817.98*	
		For Class 55 Rating, Add	*4,200.19*	
		For Class 56 Rating, Add	*5,563.76*	
40 05 19 00-0947	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,833.13	1,160.05
		For Class 52 Rating, Deduct	*-2,098.30*	
		For Class 54 Rating, Add	*2,882.41*	
		For Class 55 Rating, Add	*4,296.01*	
		For Class 56 Rating, Add	*5,690.54*	
40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,267.38	1,163.42
		For Class 52 Rating, Deduct	*-2,145.51*	
		For Class 54 Rating, Add	*2,946.84*	
		For Class 55 Rating, Add	*4,391.83*	
		For Class 56 Rating, Add	*5,817.32*	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,701.62	1,166.79
		For Class 52 Rating, Deduct	*-2,192.71*	
		For Class 54 Rating, Add	*3,011.28*	
		For Class 55 Rating, Add	*4,487.66*	
		For Class 56 Rating, Add	*5,944.10*	
40 05 19 00-0950		30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*		
40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,579.87	1,389.36
		For Class 52 Rating, Deduct	*-712.22*	
		For Class 54 Rating, Add	*996.48*	
		For Class 55 Rating, Add	*1,494.40*	
		For Class 56 Rating, Add	*1,985.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,204.85	1,392.74
		For Class 52 Rating, Deduct	*-780.41*	
		For Class 54 Rating, Add	*1,089.52*	
		For Class 55 Rating, Add	*1,632.75*	
		For Class 56 Rating, Add	*2,168.89*	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,829.83	1,396.12
		For Class 52 Rating, Deduct	*-848.60*	
		For Class 54 Rating, Add	*1,182.56*	
		For Class 55 Rating, Add	*1,771.10*	
		For Class 56 Rating, Add	*2,351.93*	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,454.81	1,399.49
		For Class 52 Rating, Deduct	*-916.78*	
		For Class 54 Rating, Add	*1,275.60*	
		For Class 55 Rating, Add	*1,909.46*	
		For Class 56 Rating, Add	*2,534.98*	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,079.79	1,402.86
		For Class 52 Rating, Deduct	*-984.97*	
		For Class 54 Rating, Add	*1,368.64*	
		For Class 55 Rating, Add	*2,047.81*	
		For Class 56 Rating, Add	*2,718.02*	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,704.77	1,406.23
		For Class 52 Rating, Deduct	*-1,053.15*	
		For Class 54 Rating, Add	*1,461.69*	
		For Class 55 Rating, Add	*2,186.16*	
		For Class 56 Rating, Add	*2,901.07*	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,329.76	1,409.60
		For Class 52 Rating, Deduct	*-1,121.34*	
		For Class 54 Rating, Add	*1,554.73*	
		For Class 55 Rating, Add	*2,324.52*	
		For Class 56 Rating, Add	*3,084.12*	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,954.74	1,412.97
		For Class 52 Rating, Deduct	*-1,189.53*	
		For Class 54 Rating, Add	*1,647.77*	
		For Class 55 Rating, Add	*2,462.87*	
		For Class 56 Rating, Add	*3,267.16*	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,579.72	1,416.34
		For Class 52 Rating, Deduct	*-1,257.71*	
		For Class 54 Rating, Add	*1,740.81*	
		For Class 55 Rating, Add	*2,601.23*	
		For Class 56 Rating, Add	*3,450.21*	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,204.70	1,419.71
		For Class 52 Rating, Deduct	*-1,325.90*	
		For Class 54 Rating, Add	*1,833.85*	
		For Class 55 Rating, Add	*2,739.58*	
		For Class 56 Rating, Add	*3,633.25*	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,829.67	1,423.09
		For Class 52 Rating, Deduct	*-1,394.08*	
		For Class 54 Rating, Add	*1,926.90*	
		For Class 55 Rating, Add	*2,877.93*	
		For Class 56 Rating, Add	*3,816.30*	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,454.66	1,426.47
		For Class 52 Rating, Deduct	*-1,462.27*	
		For Class 54 Rating, Add	*2,019.94*	
		For Class 55 Rating, Add	*3,016.29*	
		For Class 56 Rating, Add	*3,999.35*	
40 05 19 00-0963	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,079.64	1,429.84
		For Class 52 Rating, Deduct	*-1,530.45*	
		For Class 54 Rating, Add	*2,112.98*	
		For Class 55 Rating, Add	*3,154.64*	
		For Class 56 Rating, Add	*4,182.39*	
40 05 19 00-0964	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,704.62	1,433.21
		For Class 52 Rating, Deduct	*-1,598.64*	
		For Class 54 Rating, Add	*2,206.02*	
		For Class 55 Rating, Add	*3,293.00*	
		For Class 56 Rating, Add	*4,365.44*	
40 05 19 00-0965	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,329.59	1,436.58
		For Class 52 Rating, Deduct	*-1,666.83*	
		For Class 54 Rating, Add	*2,299.06*	
		For Class 55 Rating, Add	*3,431.35*	
		For Class 56 Rating, Add	*4,548.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0966	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,954.58	1,439.95
		For Class 52 Rating, Deduct	*-1,735.01*	
		For Class 54 Rating, Add	*2,392.11*	
		For Class 55 Rating, Add	*3,569.71*	
		For Class 56 Rating, Add	*4,731.53*	
40 05 19 00-0967	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,579.56	1,443.32
		For Class 52 Rating, Deduct	*-1,803.20*	
		For Class 54 Rating, Add	*2,485.15*	
		For Class 55 Rating, Add	*3,708.06*	
		For Class 56 Rating, Add	*4,914.58*	
40 05 19 00-0968	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,204.54	1,446.69
		For Class 52 Rating, Deduct	*-1,871.38*	
		For Class 54 Rating, Add	*2,578.19*	
		For Class 55 Rating, Add	*3,846.41*	
		For Class 56 Rating, Add	*5,097.62*	
40 05 19 00-0969	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,829.53	1,450.06
		For Class 52 Rating, Deduct	*-1,939.57*	
		For Class 54 Rating, Add	*2,671.23*	
		For Class 55 Rating, Add	*3,984.77*	
		For Class 56 Rating, Add	*5,280.67*	
40 05 19 00-0970	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,454.50	1,453.44
		For Class 52 Rating, Deduct	*-2,007.76*	
		For Class 54 Rating, Add	*2,764.27*	
		For Class 55 Rating, Add	*4,123.12*	
		For Class 56 Rating, Add	*5,463.71*	
40 05 19 00-0971	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,079.48	1,456.82
		For Class 52 Rating, Deduct	*-2,075.94*	
		For Class 54 Rating, Add	*2,857.32*	
		For Class 55 Rating, Add	*4,261.47*	
		For Class 56 Rating, Add	*5,646.76*	
40 05 19 00-0972	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,704.46	1,460.19
		For Class 52 Rating, Deduct	*-2,144.13*	
		For Class 54 Rating, Add	*2,950.36*	
		For Class 55 Rating, Add	*4,399.83*	
		For Class 56 Rating, Add	*5,829.80*	
40 05 19 00-0973	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,329.44	1,463.56
		For Class 52 Rating, Deduct	*-2,212.31*	
		For Class 54 Rating, Add	*3,043.40*	
		For Class 55 Rating, Add	*4,538.18*	
		For Class 56 Rating, Add	*6,012.85*	
40 05 19 00-0974	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,954.43	1,466.93
		For Class 52 Rating, Deduct	*-2,280.50*	
		For Class 54 Rating, Add	*3,136.44*	
		For Class 55 Rating, Add	*4,676.54*	
		For Class 56 Rating, Add	*6,195.90*	
40 05 19 00-0975	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,579.41	1,470.30
		For Class 52 Rating, Deduct	*-2,348.68*	
		For Class 54 Rating, Add	*3,229.48*	
		For Class 55 Rating, Add	*4,814.89*	
		For Class 56 Rating, Add	*6,378.94*	
40 05 19 00-0976	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,204.39	1,473.67
		For Class 52 Rating, Deduct	*-2,416.87*	
		For Class 54 Rating, Add	*3,322.53*	
		For Class 55 Rating, Add	*4,953.24*	
		For Class 56 Rating, Add	*6,561.99*	
40 05 19 00-0977	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,829.37	1,477.04
		For Class 52 Rating, Deduct	*-2,485.06*	
		For Class 54 Rating, Add	*3,415.57*	
		For Class 55 Rating, Add	*5,091.60*	
		For Class 56 Rating, Add	*6,745.04*	
40 05 19 00-0978	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,454.35	1,480.42
		For Class 52 Rating, Deduct	*-2,553.24*	
		For Class 54 Rating, Add	*3,508.61*	
		For Class 55 Rating, Add	*5,229.95*	
		For Class 56 Rating, Add	*6,928.08*	
40 05 19 00-0979	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,079.32	1,483.79
		For Class 52 Rating, Deduct	*-2,621.43*	
		For Class 54 Rating, Add	*3,601.65*	
		For Class 55 Rating, Add	*5,368.30*	
		For Class 56 Rating, Add	*7,111.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0980	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,704.30	1,487.16
		For Class 52 Rating, Deduct	*-2,689.61*	
		For Class 54 Rating, Add	*3,694.69*	
		For Class 55 Rating, Add	*5,506.66*	
		For Class 56 Rating, Add	*7,294.17*	
40 05 19 00-0981	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,329.29	1,490.54
		For Class 52 Rating, Deduct	*-2,757.80*	
		For Class 54 Rating, Add	*3,787.74*	
		For Class 55 Rating, Add	*5,645.01*	
		For Class 56 Rating, Add	*7,477.22*	
40 05 19 00-0982	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,954.28	1,493.91
		For Class 52 Rating, Deduct	*-2,825.99*	
		For Class 54 Rating, Add	*3,880.78*	
		For Class 55 Rating, Add	*5,783.37*	
		For Class 56 Rating, Add	*7,660.27*	
40 05 19 00-0983	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,579.26	1,497.28
		For Class 52 Rating, Deduct	*-2,894.17*	
		For Class 54 Rating, Add	*3,973.82*	
		For Class 55 Rating, Add	*5,921.72*	
		For Class 56 Rating, Add	*7,843.31*	
40 05 19 00-0984	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,204.23	1,500.65
		For Class 52 Rating, Deduct	*-2,962.36*	
		For Class 54 Rating, Add	*4,066.86*	
		For Class 55 Rating, Add	*6,060.08*	
		For Class 56 Rating, Add	*8,026.36*	
40 05 19 00-0985	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,829.21	1,504.02
		For Class 52 Rating, Deduct	*-3,030.54*	
		For Class 54 Rating, Add	*4,159.90*	
		For Class 55 Rating, Add	*6,198.43*	
		For Class 56 Rating, Add	*8,209.40*	
40 05 19 00-0986	EA	30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,454.19	1,507.40
		For Class 52 Rating, Deduct	*-3,098.73*	
		For Class 54 Rating, Add	*4,252.95*	
		For Class 55 Rating, Add	*6,336.78*	
		For Class 56 Rating, Add	*8,392.45*	
40 05 19 00-0987	EA	30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,079.18	1,510.77
		For Class 52 Rating, Deduct	*-3,166.91*	
		For Class 54 Rating, Add	*4,345.99*	
		For Class 55 Rating, Add	*6,475.14*	
		For Class 56 Rating, Add	*8,575.49*	
40 05 19 00-0988	EA	30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,704.16	1,514.14
		For Class 52 Rating, Deduct	*-3,235.10*	
		For Class 54 Rating, Add	*4,439.03*	
		For Class 55 Rating, Add	*6,613.49*	
		For Class 56 Rating, Add	*8,758.54*	

40 05 19 00-0989 36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0554)*

40 05 19 00-0990	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,794.56	1,760.31
		For Class 52 Rating, Deduct	*-1,004.02*	
		For Class 54 Rating, Add	*1,401.12*	
		For Class 55 Rating, Add	*2,099.43*	
		For Class 56 Rating, Add	*2,788.61*	
40 05 19 00-0991	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,642.90	1,763.69
		For Class 52 Rating, Deduct	*-1,096.77*	
		For Class 54 Rating, Add	*1,527.66*	
		For Class 55 Rating, Add	*2,287.59*	
		For Class 56 Rating, Add	*3,037.54*	
40 05 19 00-0992	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,491.24	1,767.06
		For Class 52 Rating, Deduct	*-1,189.53*	
		For Class 54 Rating, Add	*1,654.21*	
		For Class 55 Rating, Add	*2,475.75*	
		For Class 56 Rating, Add	*3,286.48*	
40 05 19 00-0993	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,339.56	1,770.43
		For Class 52 Rating, Deduct	*-1,282.28*	
		For Class 54 Rating, Add	*1,780.75*	
		For Class 55 Rating, Add	*2,663.91*	
		For Class 56 Rating, Add	*3,535.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0994	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,187.90	1,773.80
		For Class 52 Rating, Deduct	*-1,375.04*	
		For Class 54 Rating, Add	*1,907.30*	
		For Class 55 Rating, Add	*2,852.07*	
		For Class 56 Rating, Add	*3,784.35*	
40 05 19 00-0995	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,036.23	1,777.18
		For Class 52 Rating, Deduct	*-1,467.79*	
		For Class 54 Rating, Add	*2,033.84*	
		For Class 55 Rating, Add	*3,040.23*	
		For Class 56 Rating, Add	*4,033.28*	
40 05 19 00-0996	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,884.57	1,780.55
		For Class 52 Rating, Deduct	*-1,560.54*	
		For Class 54 Rating, Add	*2,160.39*	
		For Class 55 Rating, Add	*3,228.40*	
		For Class 56 Rating, Add	*4,282.22*	
40 05 19 00-0997	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,732.90	1,783.92
		For Class 52 Rating, Deduct	*-1,653.30*	
		For Class 54 Rating, Add	*2,286.93*	
		For Class 55 Rating, Add	*3,416.56*	
		For Class 56 Rating, Add	*4,531.15*	
40 05 19 00-0998	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,581.24	1,787.29
		For Class 52 Rating, Deduct	*-1,746.05*	
		For Class 54 Rating, Add	*2,413.48*	
		For Class 55 Rating, Add	*3,604.72*	
		For Class 56 Rating, Add	*4,780.09*	
40 05 19 00-0999	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,429.58	1,790.67
		For Class 52 Rating, Deduct	*-1,838.81*	
		For Class 54 Rating, Add	*2,540.03*	
		For Class 55 Rating, Add	*3,792.88*	
		For Class 56 Rating, Add	*5,029.03*	
40 05 19 00-1000	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,277.91	1,794.04
		For Class 52 Rating, Deduct	*-1,931.56*	
		For Class 54 Rating, Add	*2,666.57*	
		For Class 55 Rating, Add	*3,981.04*	
		For Class 56 Rating, Add	*5,277.96*	
40 05 19 00-1001	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,126.25	1,797.41
		For Class 52 Rating, Deduct	*-2,024.32*	
		For Class 54 Rating, Add	*2,793.12*	
		For Class 55 Rating, Add	*4,169.21*	
		For Class 56 Rating, Add	*5,526.90*	
40 05 19 00-1002	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,974.57	1,800.78
		For Class 52 Rating, Deduct	*-2,117.07*	
		For Class 54 Rating, Add	*2,919.66*	
		For Class 55 Rating, Add	*4,357.37*	
		For Class 56 Rating, Add	*5,775.83*	
40 05 19 00-1003	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,822.91	1,804.15
		For Class 52 Rating, Deduct	*-2,209.83*	
		For Class 54 Rating, Add	*3,046.21*	
		For Class 55 Rating, Add	*4,545.53*	
		For Class 56 Rating, Add	*6,024.77*	
40 05 19 00-1004	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,671.25	1,807.52
		For Class 52 Rating, Deduct	*-2,302.58*	
		For Class 54 Rating, Add	*3,172.75*	
		For Class 55 Rating, Add	*4,733.69*	
		For Class 56 Rating, Add	*6,273.70*	
40 05 19 00-1005	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,519.59	1,810.90
		For Class 52 Rating, Deduct	*-2,395.34*	
		For Class 54 Rating, Add	*3,299.30*	
		For Class 55 Rating, Add	*4,921.85*	
		For Class 56 Rating, Add	*6,522.64*	
40 05 19 00-1006	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,367.92	1,814.27
		For Class 52 Rating, Deduct	*-2,488.09*	
		For Class 54 Rating, Add	*3,425.84*	
		For Class 55 Rating, Add	*5,110.02*	
		For Class 56 Rating, Add	*6,771.57*	
40 05 19 00-1007	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,216.25	1,817.65
		For Class 52 Rating, Deduct	*-2,580.85*	
		For Class 54 Rating, Add	*3,552.39*	
		For Class 55 Rating, Add	*5,298.18*	
		For Class 56 Rating, Add	*7,020.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,064.59	1,821.02
		For Class 52 Rating, Deduct	*-2,673.60*	
		For Class 54 Rating, Add	*3,678.93*	
		For Class 55 Rating, Add	*5,486.34*	
		For Class 56 Rating, Add	*7,269.44*	
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,912.92	1,824.39
		For Class 52 Rating, Deduct	*-2,766.36*	
		For Class 54 Rating, Add	*3,805.48*	
		For Class 55 Rating, Add	*5,674.50*	
		For Class 56 Rating, Add	*7,518.38*	
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,761.27	1,827.76
		For Class 52 Rating, Deduct	*-2,859.11*	
		For Class 54 Rating, Add	*3,932.02*	
		For Class 55 Rating, Add	*5,862.66*	
		For Class 56 Rating, Add	*7,767.32*	
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,609.60	1,831.13
		For Class 52 Rating, Deduct	*-2,951.87*	
		For Class 54 Rating, Add	*4,058.57*	
		For Class 55 Rating, Add	*6,050.83*	
		For Class 56 Rating, Add	*8,016.25*	
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,457.93	1,834.50
		For Class 52 Rating, Deduct	*-3,044.62*	
		For Class 54 Rating, Add	*4,185.11*	
		For Class 55 Rating, Add	*6,238.99*	
		For Class 56 Rating, Add	*8,265.19*	
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,306.26	1,837.87
		For Class 52 Rating, Deduct	*-3,137.38*	
		For Class 54 Rating, Add	*4,311.66*	
		For Class 55 Rating, Add	*6,427.15*	
		For Class 56 Rating, Add	*8,514.12*	
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,154.60	1,841.25
		For Class 52 Rating, Deduct	*-3,230.13*	
		For Class 54 Rating, Add	*4,438.20*	
		For Class 55 Rating, Add	*6,615.31*	
		For Class 56 Rating, Add	*8,763.06*	
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,002.94	1,844.62
		For Class 52 Rating, Deduct	*-3,322.89*	
		For Class 54 Rating, Add	*4,564.75*	
		For Class 55 Rating, Add	*6,803.47*	
		For Class 56 Rating, Add	*9,011.99*	
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,851.28	1,848.00
		For Class 52 Rating, Deduct	*-3,415.64*	
		For Class 54 Rating, Add	*4,691.29*	
		For Class 55 Rating, Add	*6,991.64*	
		For Class 56 Rating, Add	*9,260.93*	
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,699.61	1,851.37
		For Class 52 Rating, Deduct	*-3,508.40*	
		For Class 54 Rating, Add	*4,817.84*	
		For Class 55 Rating, Add	*7,179.80*	
		For Class 56 Rating, Add	*9,509.86*	
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,547.94	1,854.74
		For Class 52 Rating, Deduct	*-3,601.15*	
		For Class 54 Rating, Add	*4,944.38*	
		For Class 55 Rating, Add	*7,367.96*	
		For Class 56 Rating, Add	*9,758.80*	
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,396.28	1,858.11
		For Class 52 Rating, Deduct	*-3,693.91*	
		For Class 54 Rating, Add	*5,070.93*	
		For Class 55 Rating, Add	*7,556.12*	
		For Class 56 Rating, Add	*10,007.73*	
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,244.61	1,861.48
		For Class 52 Rating, Deduct	*-3,786.66*	
		For Class 54 Rating, Add	*5,197.47*	
		For Class 55 Rating, Add	*7,744.28*	
		For Class 56 Rating, Add	*10,256.67*	
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,092.94	1,864.85
		For Class 52 Rating, Deduct	*-3,879.42*	
		For Class 54 Rating, Add	*5,324.02*	
		For Class 55 Rating, Add	*7,932.45*	
		For Class 56 Rating, Add	*10,505.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,941.27	1,868.22
		For Class 52 Rating, Deduct	*-3,972.17*	
		For Class 54 Rating, Add	*5,450.56*	
		For Class 55 Rating, Add	*8,120.61*	
		For Class 56 Rating, Add	*10,754.54*	
40 05 19 00-1023	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,789.62	1,871.59
		For Class 52 Rating, Deduct	*-4,064.92*	
		For Class 54 Rating, Add	*5,577.11*	
		For Class 55 Rating, Add	*8,308.77*	
		For Class 56 Rating, Add	*11,003.48*	
40 05 19 00-1024	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,637.96	1,874.98
		For Class 52 Rating, Deduct	*-4,157.68*	
		For Class 54 Rating, Add	*5,703.65*	
		For Class 55 Rating, Add	*8,496.93*	
		For Class 56 Rating, Add	*11,252.41*	
40 05 19 00-1025	EA	36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,486.29	1,878.35
		For Class 52 Rating, Deduct	*-4,250.43*	
		For Class 54 Rating, Add	*5,830.20*	
		For Class 55 Rating, Add	*8,685.09*	
		For Class 56 Rating, Add	*11,501.35*	
40 05 19 00-1026	EA	36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,334.62	1,881.72
		For Class 52 Rating, Deduct	*-4,343.19*	
		For Class 54 Rating, Add	*5,956.74*	
		For Class 55 Rating, Add	*8,873.26*	
		For Class 56 Rating, Add	*11,750.28*	
40 05 19 00-1027	EA	36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,182.95	1,885.09
		For Class 52 Rating, Deduct	*-4,435.94*	
		For Class 54 Rating, Add	*6,083.29*	
		For Class 55 Rating, Add	*9,061.42*	
		For Class 56 Rating, Add	*11,999.22*	

40 05 19 00-1028 Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-0001)*

40 05 19 00-1029 4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1030	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	613.77	164.92
		For Class 52 Rating, Deduct	*-40.03*	
		For Class 54 Rating, Add	*57.58*	
		For Class 55 Rating, Add	*87.14*	
		For Class 56 Rating, Add	*116.34*	
40 05 19 00-1031	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	683.39	167.80
		For Class 52 Rating, Deduct	*-47.21*	
		For Class 54 Rating, Add	*67.42*	
		For Class 55 Rating, Add	*101.80*	
		For Class 56 Rating, Add	*135.75*	
40 05 19 00-1032	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	753.01	170.70
		For Class 52 Rating, Deduct	*-54.38*	
		For Class 54 Rating, Add	*77.26*	
		For Class 55 Rating, Add	*116.46*	
		For Class 56 Rating, Add	*155.16*	
40 05 19 00-1033	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	822.63	173.57
		For Class 52 Rating, Deduct	*-61.56*	
		For Class 54 Rating, Add	*87.10*	
		For Class 55 Rating, Add	*131.11*	
		For Class 56 Rating, Add	*174.56*	
40 05 19 00-1034	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	892.25	176.45
		For Class 52 Rating, Deduct	*-68.74*	
		For Class 54 Rating, Add	*96.94*	
		For Class 55 Rating, Add	*145.77*	
		For Class 56 Rating, Add	*193.97*	
40 05 19 00-1035	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.86	179.35
		For Class 52 Rating, Deduct	*-75.92*	
		For Class 54 Rating, Add	*106.78*	
		For Class 55 Rating, Add	*160.42*	
		For Class 56 Rating, Add	*213.37*	
40 05 19 00-1036	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,031.48	182.23
		For Class 52 Rating, Deduct	*-83.09*	
		For Class 54 Rating, Add	*116.62*	
		For Class 55 Rating, Add	*175.08*	
		For Class 56 Rating, Add	*232.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1037	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,101.10	185.10
		For Class 52 Rating, Deduct	*-90.27*	
		For Class 54 Rating, Add	*126.46*	
		For Class 55 Rating, Add	*189.73*	
		For Class 56 Rating, Add	*252.19*	
40 05 19 00-1038	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,170.72	188.00
		For Class 52 Rating, Deduct	*-97.45*	
		For Class 54 Rating, Add	*136.30*	
		For Class 55 Rating, Add	*204.39*	
		For Class 56 Rating, Add	*271.59*	
40 05 19 00-1039	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,240.34	190.88
		For Class 52 Rating, Deduct	*-104.63*	
		For Class 54 Rating, Add	*146.14*	
		For Class 55 Rating, Add	*219.05*	
		For Class 56 Rating, Add	*291.00*	
40 05 19 00-1040	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,309.96	193.75
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*155.98*	
		For Class 55 Rating, Add	*233.70*	
		For Class 56 Rating, Add	*310.40*	
40 05 19 00-1041	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,379.58	196.63
		For Class 52 Rating, Deduct	*-118.98*	
		For Class 54 Rating, Add	*165.82*	
		For Class 55 Rating, Add	*248.36*	
		For Class 56 Rating, Add	*329.81*	
40 05 19 00-1042	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,449.19	199.53
		For Class 52 Rating, Deduct	*-126.16*	
		For Class 54 Rating, Add	*175.66*	
		For Class 55 Rating, Add	*263.01*	
		For Class 56 Rating, Add	*349.22*	
40 05 19 00-1043	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,518.81	202.41
		For Class 52 Rating, Deduct	*-133.34*	
		For Class 54 Rating, Add	*185.50*	
		For Class 55 Rating, Add	*277.67*	
		For Class 56 Rating, Add	*368.62*	
40 05 19 00-1044	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,588.42	205.28
		For Class 52 Rating, Deduct	*-140.51*	
		For Class 54 Rating, Add	*195.34*	
		For Class 55 Rating, Add	*292.32*	
		For Class 56 Rating, Add	*388.03*	
40 05 19 00-1045	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,658.04	208.18
		For Class 52 Rating, Deduct	*-147.69*	
		For Class 54 Rating, Add	*205.18*	
		For Class 55 Rating, Add	*306.98*	
		For Class 56 Rating, Add	*407.43*	
40 05 19 00-1046	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,727.66	211.06
		For Class 52 Rating, Deduct	*-154.87*	
		For Class 54 Rating, Add	*215.02*	
		For Class 55 Rating, Add	*321.63*	
		For Class 56 Rating, Add	*426.84*	
40 05 19 00-1047	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,797.28	213.93
		For Class 52 Rating, Deduct	*-162.05*	
		For Class 54 Rating, Add	*224.86*	
		For Class 55 Rating, Add	*336.29*	
		For Class 56 Rating, Add	*446.25*	
40 05 19 00-1048	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,866.89	216.83
		For Class 52 Rating, Deduct	*-169.22*	
		For Class 54 Rating, Add	*234.70*	
		For Class 55 Rating, Add	*350.94*	
		For Class 56 Rating, Add	*465.65*	
40 05 19 00-1049	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,936.51	219.71
		For Class 52 Rating, Deduct	*-176.40*	
		For Class 54 Rating, Add	*244.54*	
		For Class 55 Rating, Add	*365.60*	
		For Class 56 Rating, Add	*485.05*	
40 05 19 00-1050	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,006.13	222.59
		For Class 52 Rating, Deduct	*-183.58*	
		For Class 54 Rating, Add	*254.38*	
		For Class 55 Rating, Add	*380.25*	
		For Class 56 Rating, Add	*504.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1051	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,075.75	225.46
		For Class 52 Rating, Deduct	*-190.75*	
		For Class 54 Rating, Add	*264.22*	
		For Class 55 Rating, Add	*394.91*	
		For Class 56 Rating, Add	*523.87*	
40 05 19 00-1052	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,145.37	228.36
		For Class 52 Rating, Deduct	*-197.93*	
		For Class 54 Rating, Add	*274.06*	
		For Class 55 Rating, Add	*409.57*	
		For Class 56 Rating, Add	*543.27*	
40 05 19 00-1053	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,214.98	231.24
		For Class 52 Rating, Deduct	*-205.11*	
		For Class 54 Rating, Add	*283.90*	
		For Class 55 Rating, Add	*424.22*	
		For Class 56 Rating, Add	*562.68*	
40 05 19 00-1054	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,284.60	234.11
		For Class 52 Rating, Deduct	*-212.29*	
		For Class 54 Rating, Add	*293.74*	
		For Class 55 Rating, Add	*438.88*	
		For Class 56 Rating, Add	*582.08*	
40 05 19 00-1055	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,354.22	237.01
		For Class 52 Rating, Deduct	*-219.46*	
		For Class 54 Rating, Add	*303.58*	
		For Class 55 Rating, Add	*453.53*	
		For Class 56 Rating, Add	*601.49*	
40 05 19 00-1056	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.84	239.89
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*313.42*	
		For Class 55 Rating, Add	*468.19*	
		For Class 56 Rating, Add	*620.90*	
40 05 19 00-1057	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,493.46	242.77
		For Class 52 Rating, Deduct	*-233.82*	
		For Class 54 Rating, Add	*323.26*	
		For Class 55 Rating, Add	*482.84*	
		For Class 56 Rating, Add	*640.30*	
40 05 19 00-1058	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,563.08	245.66
		For Class 52 Rating, Deduct	*-241.00*	
		For Class 54 Rating, Add	*333.10*	
		For Class 55 Rating, Add	*497.50*	
		For Class 56 Rating, Add	*659.71*	
40 05 19 00-1059	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,632.70	248.54
		For Class 52 Rating, Deduct	*-248.17*	
		For Class 54 Rating, Add	*342.94*	
		For Class 55 Rating, Add	*512.15*	
		For Class 56 Rating, Add	*679.11*	
40 05 19 00-1060	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,702.32	251.42
		For Class 52 Rating, Deduct	*-255.35*	
		For Class 54 Rating, Add	*352.78*	
		For Class 55 Rating, Add	*526.81*	
		For Class 56 Rating, Add	*698.52*	
40 05 19 00-1061	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,771.94	254.32
		For Class 52 Rating, Deduct	*-262.53*	
		For Class 54 Rating, Add	*362.62*	
		For Class 55 Rating, Add	*541.47*	
		For Class 56 Rating, Add	*717.93*	
40 05 19 00-1062	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,841.55	257.19
		For Class 52 Rating, Deduct	*-269.71*	
		For Class 54 Rating, Add	*372.46*	
		For Class 55 Rating, Add	*556.12*	
		For Class 56 Rating, Add	*737.33*	
40 05 19 00-1063	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,911.17	260.07
		For Class 52 Rating, Deduct	*-276.88*	
		For Class 54 Rating, Add	*382.30*	
		For Class 55 Rating, Add	*570.78*	
		For Class 56 Rating, Add	*756.74*	
40 05 19 00-1064	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,980.79	262.95
		For Class 52 Rating, Deduct	*-284.06*	
		For Class 54 Rating, Add	*392.14*	
		For Class 55 Rating, Add	*585.43*	
		For Class 56 Rating, Add	*776.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1065	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,050.41	265.84
		For Class 52 Rating, Deduct	*-291.24*	
		For Class 54 Rating, Add	*401.98*	
		For Class 55 Rating, Add	*600.09*	
		For Class 56 Rating, Add	*795.55*	
40 05 19 00-1066	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,120.03	268.72
		For Class 52 Rating, Deduct	*-298.42*	
		For Class 54 Rating, Add	*411.82*	
		For Class 55 Rating, Add	*614.74*	
		For Class 56 Rating, Add	*814.96*	
40 05 19 00-1067	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,189.65	271.60
		For Class 52 Rating, Deduct	*-305.59*	
		For Class 54 Rating, Add	*421.66*	
		For Class 55 Rating, Add	*629.40*	
		For Class 56 Rating, Add	*834.36*	
40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,259.27	274.50
		For Class 52 Rating, Deduct	*-312.77*	
		For Class 54 Rating, Add	*431.50*	
		For Class 55 Rating, Add	*644.06*	
		For Class 56 Rating, Add	*853.77*	

40 05 19 00-1069 6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	768.78	207.60
		For Class 52 Rating, Deduct	*-49.97*	
		For Class 54 Rating, Add	*71.91*	
		For Class 55 Rating, Add	*108.84*	
		For Class 56 Rating, Add	*145.32*	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	853.45	210.48
		For Class 52 Rating, Deduct	*-58.80*	
		For Class 54 Rating, Add	*84.01*	
		For Class 55 Rating, Add	*126.86*	
		For Class 56 Rating, Add	*169.17*	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	938.13	213.36
		For Class 52 Rating, Deduct	*-67.63*	
		For Class 54 Rating, Add	*96.11*	
		For Class 55 Rating, Add	*144.87*	
		For Class 56 Rating, Add	*193.02*	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,022.80	216.25
		For Class 52 Rating, Deduct	*-76.47*	
		For Class 54 Rating, Add	*108.21*	
		For Class 55 Rating, Add	*162.88*	
		For Class 56 Rating, Add	*216.87*	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,107.48	219.13
		For Class 52 Rating, Deduct	*-85.30*	
		For Class 54 Rating, Add	*120.30*	
		For Class 55 Rating, Add	*180.90*	
		For Class 56 Rating, Add	*240.72*	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,192.15	222.00
		For Class 52 Rating, Deduct	*-94.13*	
		For Class 54 Rating, Add	*132.40*	
		For Class 55 Rating, Add	*198.91*	
		For Class 56 Rating, Add	*264.56*	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,276.83	224.90
		For Class 52 Rating, Deduct	*-102.97*	
		For Class 54 Rating, Add	*144.50*	
		For Class 55 Rating, Add	*216.92*	
		For Class 56 Rating, Add	*288.41*	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,361.51	227.78
		For Class 52 Rating, Deduct	*-111.80*	
		For Class 54 Rating, Add	*156.60*	
		For Class 55 Rating, Add	*234.94*	
		For Class 56 Rating, Add	*312.26*	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,446.19	230.66
		For Class 52 Rating, Deduct	*-120.64*	
		For Class 54 Rating, Add	*168.70*	
		For Class 55 Rating, Add	*252.95*	
		For Class 56 Rating, Add	*336.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,530.86	233.54
		For Class 52 Rating, Deduct	*-129.47*	
		For Class 54 Rating, Add	*180.80*	
		For Class 55 Rating, Add	*270.96*	
		For Class 56 Rating, Add	*359.95*	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,615.54	236.43
		For Class 52 Rating, Deduct	*-138.30*	
		For Class 54 Rating, Add	*192.90*	
		For Class 55 Rating, Add	*288.98*	
		For Class 56 Rating, Add	*383.80*	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,700.22	239.31
		For Class 52 Rating, Deduct	*-147.14*	
		For Class 54 Rating, Add	*204.99*	
		For Class 55 Rating, Add	*306.99*	
		For Class 56 Rating, Add	*407.65*	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,784.88	242.19
		For Class 52 Rating, Deduct	*-155.97*	
		For Class 54 Rating, Add	*217.09*	
		For Class 55 Rating, Add	*325.00*	
		For Class 56 Rating, Add	*431.50*	
40 05 19 00-1083	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,869.56	245.08
		For Class 52 Rating, Deduct	*-164.81*	
		For Class 54 Rating, Add	*229.19*	
		For Class 55 Rating, Add	*343.02*	
		For Class 56 Rating, Add	*455.35*	
40 05 19 00-1084	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,954.24	247.96
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*241.29*	
		For Class 55 Rating, Add	*361.03*	
		For Class 56 Rating, Add	*479.19*	
40 05 19 00-1085	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,038.92	250.85
		For Class 52 Rating, Deduct	*-182.47*	
		For Class 54 Rating, Add	*253.39*	
		For Class 55 Rating, Add	*379.05*	
		For Class 56 Rating, Add	*503.04*	
40 05 19 00-1086	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,123.59	253.73
		For Class 52 Rating, Deduct	*-191.31*	
		For Class 54 Rating, Add	*265.49*	
		For Class 55 Rating, Add	*397.06*	
		For Class 56 Rating, Add	*526.89*	
40 05 19 00-1087	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,208.27	256.61
		For Class 52 Rating, Deduct	*-200.14*	
		For Class 54 Rating, Add	*277.58*	
		For Class 55 Rating, Add	*415.07*	
		For Class 56 Rating, Add	*550.74*	
40 05 19 00-1088	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,292.95	259.49
		For Class 52 Rating, Deduct	*-208.97*	
		For Class 54 Rating, Add	*289.68*	
		For Class 55 Rating, Add	*433.09*	
		For Class 56 Rating, Add	*574.59*	
40 05 19 00-1089	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,377.62	262.39
		For Class 52 Rating, Deduct	*-217.81*	
		For Class 54 Rating, Add	*301.78*	
		For Class 55 Rating, Add	*451.10*	
		For Class 56 Rating, Add	*598.43*	
40 05 19 00-1090	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,462.30	265.26
		For Class 52 Rating, Deduct	*-226.64*	
		For Class 54 Rating, Add	*313.88*	
		For Class 55 Rating, Add	*469.11*	
		For Class 56 Rating, Add	*622.28*	
40 05 19 00-1091	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,546.97	268.14
		For Class 52 Rating, Deduct	*-235.48*	
		For Class 54 Rating, Add	*325.98*	
		For Class 55 Rating, Add	*487.12*	
		For Class 56 Rating, Add	*646.13*	
40 05 19 00-1092	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,631.64	271.03
		For Class 52 Rating, Deduct	*-244.31*	
		For Class 54 Rating, Add	*338.08*	
		For Class 55 Rating, Add	*505.14*	
		For Class 56 Rating, Add	*669.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1093	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,716.31	273.91
		For Class 52 Rating, Deduct	*-253.14*	
		For Class 54 Rating, Add	*350.18*	
		For Class 55 Rating, Add	*523.15*	
		For Class 56 Rating, Add	*693.82*	
40 05 19 00-1094	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,800.99	276.79
		For Class 52 Rating, Deduct	*-261.98*	
		For Class 54 Rating, Add	*362.27*	
		For Class 55 Rating, Add	*541.16*	
		For Class 56 Rating, Add	*717.67*	
40 05 19 00-1095	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,885.67	279.68
		For Class 52 Rating, Deduct	*-270.81*	
		For Class 54 Rating, Add	*374.37*	
		For Class 55 Rating, Add	*559.18*	
		For Class 56 Rating, Add	*741.52*	
40 05 19 00-1096	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,970.34	282.57
		For Class 52 Rating, Deduct	*-279.64*	
		For Class 54 Rating, Add	*386.47*	
		For Class 55 Rating, Add	*577.19*	
		For Class 56 Rating, Add	*765.37*	
40 05 19 00-1097	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,055.02	285.44
		For Class 52 Rating, Deduct	*-288.48*	
		For Class 54 Rating, Add	*398.57*	
		For Class 55 Rating, Add	*595.20*	
		For Class 56 Rating, Add	*789.22*	
40 05 19 00-1098	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,139.70	288.33
		For Class 52 Rating, Deduct	*-297.31*	
		For Class 54 Rating, Add	*410.67*	
		For Class 55 Rating, Add	*613.22*	
		For Class 56 Rating, Add	*813.06*	
40 05 19 00-1099	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,224.38	291.22
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*422.77*	
		For Class 55 Rating, Add	*631.23*	
		For Class 56 Rating, Add	*836.91*	
40 05 19 00-1100	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,309.04	294.09
		For Class 52 Rating, Deduct	*-314.98*	
		For Class 54 Rating, Add	*434.86*	
		For Class 55 Rating, Add	*649.24*	
		For Class 56 Rating, Add	*860.76*	
40 05 19 00-1101	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,393.72	296.97
		For Class 52 Rating, Deduct	*-323.81*	
		For Class 54 Rating, Add	*446.96*	
		For Class 55 Rating, Add	*667.26*	
		For Class 56 Rating, Add	*884.61*	
40 05 19 00-1102	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,478.40	299.86
		For Class 52 Rating, Deduct	*-332.65*	
		For Class 54 Rating, Add	*459.06*	
		For Class 55 Rating, Add	*685.27*	
		For Class 56 Rating, Add	*908.46*	
40 05 19 00-1103	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,563.08	302.75
		For Class 52 Rating, Deduct	*-341.48*	
		For Class 54 Rating, Add	*471.16*	
		For Class 55 Rating, Add	*703.29*	
		For Class 56 Rating, Add	*932.31*	
40 05 19 00-1104	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,647.75	305.62
		For Class 52 Rating, Deduct	*-350.31*	
		For Class 54 Rating, Add	*483.26*	
		For Class 55 Rating, Add	*721.30*	
		For Class 56 Rating, Add	*956.15*	
40 05 19 00-1105	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,732.43	308.51
		For Class 52 Rating, Deduct	*-359.15*	
		For Class 54 Rating, Add	*495.36*	
		For Class 55 Rating, Add	*739.31*	
		For Class 56 Rating, Add	*980.00*	
40 05 19 00-1106	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,817.11	311.40
		For Class 52 Rating, Deduct	*-367.98*	
		For Class 54 Rating, Add	*507.46*	
		For Class 55 Rating, Add	*757.33*	
		For Class 56 Rating, Add	*1,003.85*	

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1107		EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,901.78	314.27
			For Class 52 Rating, Deduct	*-376.82*	
			For Class 54 Rating, Add	*519.55*	
			For Class 55 Rating, Add	*775.34*	
			For Class 56 Rating, Add	*1,027.69*	
40 05 19 00-1108		EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,986.46	317.16
			For Class 52 Rating, Deduct	*-385.65*	
			For Class 54 Rating, Add	*531.65*	
			For Class 55 Rating, Add	*793.35*	
			For Class 56 Rating, Add	*1,051.54*	

40 05 19 00-1109 8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1110		EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,061.94	265.26
			For Class 52 Rating, Deduct	*-72.60*	
			For Class 54 Rating, Add	*103.83*	
			For Class 55 Rating, Add	*156.83*	
			For Class 56 Rating, Add	*209.18*	
40 05 19 00-1111		EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,176.73	268.14
			For Class 52 Rating, Deduct	*-84.75*	
			For Class 54 Rating, Add	*120.44*	
			For Class 55 Rating, Add	*181.56*	
			For Class 56 Rating, Add	*241.91*	
40 05 19 00-1112		EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,291.51	271.03
			For Class 52 Rating, Deduct	*-96.90*	
			For Class 54 Rating, Add	*137.06*	
			For Class 55 Rating, Add	*206.29*	
			For Class 56 Rating, Add	*274.64*	
40 05 19 00-1113		EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,406.30	273.91
			For Class 52 Rating, Deduct	*-109.04*	
			For Class 54 Rating, Add	*153.67*	
			For Class 55 Rating, Add	*231.02*	
			For Class 56 Rating, Add	*307.37*	
40 05 19 00-1114		EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,521.09	276.79
			For Class 52 Rating, Deduct	*-121.19*	
			For Class 54 Rating, Add	*170.29*	
			For Class 55 Rating, Add	*255.75*	
			For Class 56 Rating, Add	*340.10*	
40 05 19 00-1115		EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,635.89	279.68
			For Class 52 Rating, Deduct	*-133.34*	
			For Class 54 Rating, Add	*186.91*	
			For Class 55 Rating, Add	*280.48*	
			For Class 56 Rating, Add	*372.84*	
40 05 19 00-1116		EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,750.68	282.57
			For Class 52 Rating, Deduct	*-145.48*	
			For Class 54 Rating, Add	*203.52*	
			For Class 55 Rating, Add	*305.21*	
			For Class 56 Rating, Add	*405.57*	
40 05 19 00-1117		EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,865.47	285.44
			For Class 52 Rating, Deduct	*-157.63*	
			For Class 54 Rating, Add	*220.14*	
			For Class 55 Rating, Add	*329.93*	
			For Class 56 Rating, Add	*438.30*	
40 05 19 00-1118		EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,980.26	288.33
			For Class 52 Rating, Deduct	*-169.77*	
			For Class 54 Rating, Add	*236.75*	
			For Class 55 Rating, Add	*354.66*	
			For Class 56 Rating, Add	*471.03*	
40 05 19 00-1119		EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,095.06	291.22
			For Class 52 Rating, Deduct	*-181.92*	
			For Class 54 Rating, Add	*253.37*	
			For Class 55 Rating, Add	*379.39*	
			For Class 56 Rating, Add	*503.76*	
40 05 19 00-1120		EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,209.84	294.09
			For Class 52 Rating, Deduct	*-194.07*	
			For Class 54 Rating, Add	*269.98*	
			For Class 55 Rating, Add	*404.12*	
			For Class 56 Rating, Add	*536.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1121	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.63	296.97
		For Class 52 Rating, Deduct	*-206.21*	
		For Class 54 Rating, Add	*286.60*	
		For Class 55 Rating, Add	*428.85*	
		For Class 56 Rating, Add	*569.23*	
40 05 19 00-1122	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,439.42	299.86
		For Class 52 Rating, Deduct	*-218.36*	
		For Class 54 Rating, Add	*303.22*	
		For Class 55 Rating, Add	*453.58*	
		For Class 56 Rating, Add	*601.96*	
40 05 19 00-1123	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,554.22	302.75
		For Class 52 Rating, Deduct	*-230.51*	
		For Class 54 Rating, Add	*319.83*	
		For Class 55 Rating, Add	*478.31*	
		For Class 56 Rating, Add	*634.69*	
40 05 19 00-1124	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,669.01	305.62
		For Class 52 Rating, Deduct	*-242.65*	
		For Class 54 Rating, Add	*336.45*	
		For Class 55 Rating, Add	*503.04*	
		For Class 56 Rating, Add	*667.42*	
40 05 19 00-1125	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,783.80	308.51
		For Class 52 Rating, Deduct	*-254.80*	
		For Class 54 Rating, Add	*353.06*	
		For Class 55 Rating, Add	*527.77*	
		For Class 56 Rating, Add	*700.15*	
40 05 19 00-1126	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,898.59	311.40
		For Class 52 Rating, Deduct	*-266.95*	
		For Class 54 Rating, Add	*369.68*	
		For Class 55 Rating, Add	*552.50*	
		For Class 56 Rating, Add	*732.89*	
40 05 19 00-1127	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,013.39	314.27
		For Class 52 Rating, Deduct	*-279.09*	
		For Class 54 Rating, Add	*386.30*	
		For Class 55 Rating, Add	*577.23*	
		For Class 56 Rating, Add	*765.62*	
40 05 19 00-1128	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,128.18	317.16
		For Class 52 Rating, Deduct	*-291.24*	
		For Class 54 Rating, Add	*402.91*	
		For Class 55 Rating, Add	*601.95*	
		For Class 56 Rating, Add	*798.35*	
40 05 19 00-1129	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,242.96	320.05
		For Class 52 Rating, Deduct	*-303.39*	
		For Class 54 Rating, Add	*419.53*	
		For Class 55 Rating, Add	*626.68*	
		For Class 56 Rating, Add	*831.08*	
40 05 19 00-1130	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,357.75	322.93
		For Class 52 Rating, Deduct	*-315.53*	
		For Class 54 Rating, Add	*436.14*	
		For Class 55 Rating, Add	*651.41*	
		For Class 56 Rating, Add	*863.81*	
40 05 19 00-1131	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,472.55	325.80
		For Class 52 Rating, Deduct	*-327.68*	
		For Class 54 Rating, Add	*452.76*	
		For Class 55 Rating, Add	*676.14*	
		For Class 56 Rating, Add	*896.55*	
40 05 19 00-1132	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,587.34	328.69
		For Class 52 Rating, Deduct	*-339.83*	
		For Class 54 Rating, Add	*469.37*	
		For Class 55 Rating, Add	*700.87*	
		For Class 56 Rating, Add	*929.28*	
40 05 19 00-1133	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,702.13	331.58
		For Class 52 Rating, Deduct	*-351.97*	
		For Class 54 Rating, Add	*485.99*	
		For Class 55 Rating, Add	*725.60*	
		For Class 56 Rating, Add	*962.01*	
40 05 19 00-1134	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,816.92	334.46
		For Class 52 Rating, Deduct	*-364.12*	
		For Class 54 Rating, Add	*502.61*	
		For Class 55 Rating, Add	*750.33*	
		For Class 56 Rating, Add	*994.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1135	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,931.71	337.34
		For Class 52 Rating, Deduct	*-376.26*	
		For Class 54 Rating, Add	*519.22*	
		For Class 55 Rating, Add	*775.06*	
		For Class 56 Rating, Add	*1,027.47*	
40 05 19 00-1136	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,046.51	340.23
		For Class 52 Rating, Deduct	*-388.41*	
		For Class 54 Rating, Add	*535.84*	
		For Class 55 Rating, Add	*799.79*	
		For Class 56 Rating, Add	*1,060.21*	
40 05 19 00-1137	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,161.30	343.11
		For Class 52 Rating, Deduct	*-400.56*	
		For Class 54 Rating, Add	*552.45*	
		For Class 55 Rating, Add	*824.52*	
		For Class 56 Rating, Add	*1,092.94*	
40 05 19 00-1138	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,276.08	345.99
		For Class 52 Rating, Deduct	*-412.70*	
		For Class 54 Rating, Add	*569.07*	
		For Class 55 Rating, Add	*849.24*	
		For Class 56 Rating, Add	*1,125.67*	
40 05 19 00-1139	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,390.87	348.88
		For Class 52 Rating, Deduct	*-424.85*	
		For Class 54 Rating, Add	*585.68*	
		For Class 55 Rating, Add	*873.97*	
		For Class 56 Rating, Add	*1,158.40*	
40 05 19 00-1140	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,505.67	351.76
		For Class 52 Rating, Deduct	*-437.00*	
		For Class 54 Rating, Add	*602.30*	
		For Class 55 Rating, Add	*898.70*	
		For Class 56 Rating, Add	*1,191.13*	
40 05 19 00-1141	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,620.46	354.65
		For Class 52 Rating, Deduct	*-449.14*	
		For Class 54 Rating, Add	*618.92*	
		For Class 55 Rating, Add	*923.43*	
		For Class 56 Rating, Add	*1,223.86*	
40 05 19 00-1142	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,735.25	357.52
		For Class 52 Rating, Deduct	*-461.29*	
		For Class 54 Rating, Add	*635.53*	
		For Class 55 Rating, Add	*948.16*	
		For Class 56 Rating, Add	*1,256.60*	
40 05 19 00-1143	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,850.04	360.41
		For Class 52 Rating, Deduct	*-473.44*	
		For Class 54 Rating, Add	*652.15*	
		For Class 55 Rating, Add	*972.89*	
		For Class 56 Rating, Add	*1,289.33*	
40 05 19 00-1144	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,964.84	363.29
		For Class 52 Rating, Deduct	*-485.58*	
		For Class 54 Rating, Add	*668.76*	
		For Class 55 Rating, Add	*997.62*	
		For Class 56 Rating, Add	*1,322.06*	
40 05 19 00-1145	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,079.63	366.17
		For Class 52 Rating, Deduct	*-497.73*	
		For Class 54 Rating, Add	*685.38*	
		For Class 55 Rating, Add	*1,022.35*	
		For Class 56 Rating, Add	*1,354.79*	
40 05 19 00-1146	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,194.41	369.06
		For Class 52 Rating, Deduct	*-509.88*	
		For Class 54 Rating, Add	*701.99*	
		For Class 55 Rating, Add	*1,047.08*	
		For Class 56 Rating, Add	*1,387.52*	
40 05 19 00-1147	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,309.20	371.94
		For Class 52 Rating, Deduct	*-522.02*	
		For Class 54 Rating, Add	*718.61*	
		For Class 55 Rating, Add	*1,071.81*	
		For Class 56 Rating, Add	*1,420.25*	
40 05 19 00-1148	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,424.00	374.83
		For Class 52 Rating, Deduct	*-534.17*	
		For Class 54 Rating, Add	*735.23*	
		For Class 55 Rating, Add	*1,096.54*	
		For Class 56 Rating, Add	*1,452.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1149		10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1150	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.03	322.93
		For Class 52 Rating, Deduct	*-93.58*	
		For Class 54 Rating, Add	*133.48*	
		For Class 55 Rating, Add	*201.46*	
		For Class 56 Rating, Add	*268.59*	
40 05 19 00-1151	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,489.96	325.80
		For Class 52 Rating, Deduct	*-109.59*	
		For Class 54 Rating, Add	*155.37*	
		For Class 55 Rating, Add	*234.02*	
		For Class 56 Rating, Add	*311.68*	
40 05 19 00-1152	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,639.89	328.69
		For Class 52 Rating, Deduct	*-125.61*	
		For Class 54 Rating, Add	*177.26*	
		For Class 55 Rating, Add	*266.59*	
		For Class 56 Rating, Add	*354.78*	
40 05 19 00-1153	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,789.81	331.58
		For Class 52 Rating, Deduct	*-141.62*	
		For Class 54 Rating, Add	*199.14*	
		For Class 55 Rating, Add	*299.15*	
		For Class 56 Rating, Add	*397.87*	
40 05 19 00-1154	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,939.74	334.46
		For Class 52 Rating, Deduct	*-157.63*	
		For Class 54 Rating, Add	*221.03*	
		For Class 55 Rating, Add	*331.72*	
		For Class 56 Rating, Add	*440.97*	
40 05 19 00-1155	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,089.67	337.34
		For Class 52 Rating, Deduct	*-173.64*	
		For Class 54 Rating, Add	*242.91*	
		For Class 55 Rating, Add	*364.28*	
		For Class 56 Rating, Add	*484.07*	
40 05 19 00-1156	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,239.60	340.23
		For Class 52 Rating, Deduct	*-189.65*	
		For Class 54 Rating, Add	*264.80*	
		For Class 55 Rating, Add	*396.85*	
		For Class 56 Rating, Add	*527.17*	
40 05 19 00-1157	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,389.52	343.11
		For Class 52 Rating, Deduct	*-205.66*	
		For Class 54 Rating, Add	*286.69*	
		For Class 55 Rating, Add	*429.41*	
		For Class 56 Rating, Add	*570.26*	
40 05 19 00-1158	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,539.44	345.99
		For Class 52 Rating, Deduct	*-221.67*	
		For Class 54 Rating, Add	*308.57*	
		For Class 55 Rating, Add	*461.97*	
		For Class 56 Rating, Add	*613.36*	
40 05 19 00-1159	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,689.37	348.88
		For Class 52 Rating, Deduct	*-237.68*	
		For Class 54 Rating, Add	*330.46*	
		For Class 55 Rating, Add	*494.54*	
		For Class 56 Rating, Add	*656.46*	
40 05 19 00-1160	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,839.29	351.76
		For Class 52 Rating, Deduct	*-253.70*	
		For Class 54 Rating, Add	*352.34*	
		For Class 55 Rating, Add	*527.10*	
		For Class 56 Rating, Add	*699.55*	
40 05 19 00-1161	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,989.22	354.65
		For Class 52 Rating, Deduct	*-269.71*	
		For Class 54 Rating, Add	*374.23*	
		For Class 55 Rating, Add	*559.67*	
		For Class 56 Rating, Add	*742.65*	
40 05 19 00-1162	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,139.15	357.52
		For Class 52 Rating, Deduct	*-285.72*	
		For Class 54 Rating, Add	*396.12*	
		For Class 55 Rating, Add	*592.23*	
		For Class 56 Rating, Add	*785.75*	
40 05 19 00-1163	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,289.07	360.41
		For Class 52 Rating, Deduct	*-301.73*	
		For Class 54 Rating, Add	*418.00*	
		For Class 55 Rating, Add	*624.79*	
		For Class 56 Rating, Add	*828.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1164	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,439.00	363.29
		For Class 52 Rating, Deduct	*-317.74*	
		For Class 54 Rating, Add	*439.89*	
		For Class 55 Rating, Add	*657.36*	
		For Class 56 Rating, Add	*871.94*	
40 05 19 00-1165	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,588.93	366.17
		For Class 52 Rating, Deduct	*-333.75*	
		For Class 54 Rating, Add	*461.77*	
		For Class 55 Rating, Add	*689.92*	
		For Class 56 Rating, Add	*915.04*	
40 05 19 00-1166	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,738.84	369.06
		For Class 52 Rating, Deduct	*-349.76*	
		For Class 54 Rating, Add	*483.66*	
		For Class 55 Rating, Add	*722.48*	
		For Class 56 Rating, Add	*958.13*	
40 05 19 00-1167	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,888.77	371.94
		For Class 52 Rating, Deduct	*-365.77*	
		For Class 54 Rating, Add	*505.55*	
		For Class 55 Rating, Add	*755.05*	
		For Class 56 Rating, Add	*1,001.23*	
40 05 19 00-1168	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,038.70	374.83
		For Class 52 Rating, Deduct	*-381.79*	
		For Class 54 Rating, Add	*527.43*	
		For Class 55 Rating, Add	*787.61*	
		For Class 56 Rating, Add	*1,044.33*	
40 05 19 00-1169	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,188.61	377.71
		For Class 52 Rating, Deduct	*-397.80*	
		For Class 54 Rating, Add	*549.32*	
		For Class 55 Rating, Add	*820.18*	
		For Class 56 Rating, Add	*1,087.42*	
40 05 19 00-1170	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,338.54	380.59
		For Class 52 Rating, Deduct	*-413.81*	
		For Class 54 Rating, Add	*571.20*	
		For Class 55 Rating, Add	*852.74*	
		For Class 56 Rating, Add	*1,130.52*	
40 05 19 00-1171	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,488.47	383.48
		For Class 52 Rating, Deduct	*-429.82*	
		For Class 54 Rating, Add	*593.09*	
		For Class 55 Rating, Add	*885.31*	
		For Class 56 Rating, Add	*1,173.61*	
40 05 19 00-1172	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,638.39	386.35
		For Class 52 Rating, Deduct	*-445.83*	
		For Class 54 Rating, Add	*614.97*	
		For Class 55 Rating, Add	*917.87*	
		For Class 56 Rating, Add	*1,216.71*	
40 05 19 00-1173	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,788.32	389.24
		For Class 52 Rating, Deduct	*-461.84*	
		For Class 54 Rating, Add	*636.86*	
		For Class 55 Rating, Add	*950.43*	
		For Class 56 Rating, Add	*1,259.81*	
40 05 19 00-1174	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,938.25	392.13
		For Class 52 Rating, Deduct	*-477.85*	
		For Class 54 Rating, Add	*658.75*	
		For Class 55 Rating, Add	*983.00*	
		For Class 56 Rating, Add	*1,302.90*	
40 05 19 00-1175	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,088.16	395.01
		For Class 52 Rating, Deduct	*-493.86*	
		For Class 54 Rating, Add	*680.63*	
		For Class 55 Rating, Add	*1,015.56*	
		For Class 56 Rating, Add	*1,346.00*	
40 05 19 00-1176	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,238.09	397.89
		For Class 52 Rating, Deduct	*-509.88*	
		For Class 54 Rating, Add	*702.52*	
		For Class 55 Rating, Add	*1,048.12*	
		For Class 56 Rating, Add	*1,389.10*	
40 05 19 00-1177	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,388.02	400.77
		For Class 52 Rating, Deduct	*-525.89*	
		For Class 54 Rating, Add	*724.41*	
		For Class 55 Rating, Add	*1,080.69*	
		For Class 56 Rating, Add	*1,432.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1178	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,537.94	403.66
		For Class 52 Rating, Deduct	*-541.90*	
		For Class 54 Rating, Add	*746.29*	
		For Class 55 Rating, Add	*1,113.25*	
		For Class 56 Rating, Add	*1,475.29*	
40 05 19 00-1179	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,687.87	406.55
		For Class 52 Rating, Deduct	*-557.91*	
		For Class 54 Rating, Add	*768.18*	
		For Class 55 Rating, Add	*1,145.82*	
		For Class 56 Rating, Add	*1,518.39*	
40 05 19 00-1180	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,837.80	409.42
		For Class 52 Rating, Deduct	*-573.92*	
		For Class 54 Rating, Add	*790.06*	
		For Class 55 Rating, Add	*1,178.38*	
		For Class 56 Rating, Add	*1,561.48*	
40 05 19 00-1181	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,987.73	412.31
		For Class 52 Rating, Deduct	*-589.93*	
		For Class 54 Rating, Add	*811.95*	
		For Class 55 Rating, Add	*1,210.95*	
		For Class 56 Rating, Add	*1,604.58*	
40 05 19 00-1182	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,137.65	415.20
		For Class 52 Rating, Deduct	*-605.94*	
		For Class 54 Rating, Add	*833.83*	
		For Class 55 Rating, Add	*1,243.51*	
		For Class 56 Rating, Add	*1,647.68*	
40 05 19 00-1183	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,287.58	418.07
		For Class 52 Rating, Deduct	*-621.95*	
		For Class 54 Rating, Add	*855.72*	
		For Class 55 Rating, Add	*1,276.07*	
		For Class 56 Rating, Add	*1,690.77*	
40 05 19 00-1184	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,437.50	420.96
		For Class 52 Rating, Deduct	*-637.97*	
		For Class 54 Rating, Add	*877.61*	
		For Class 55 Rating, Add	*1,308.64*	
		For Class 56 Rating, Add	*1,733.87*	
40 05 19 00-1185	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,587.42	423.84
		For Class 52 Rating, Deduct	*-653.98*	
		For Class 54 Rating, Add	*899.49*	
		For Class 55 Rating, Add	*1,341.20*	
		For Class 56 Rating, Add	*1,776.96*	
40 05 19 00-1186	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,737.35	426.73
		For Class 52 Rating, Deduct	*-669.99*	
		For Class 54 Rating, Add	*921.38*	
		For Class 55 Rating, Add	*1,373.77*	
		For Class 56 Rating, Add	*1,820.06*	
40 05 19 00-1187	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,887.28	429.60
		For Class 52 Rating, Deduct	*-686.00*	
		For Class 54 Rating, Add	*943.27*	
		For Class 55 Rating, Add	*1,406.33*	
		For Class 56 Rating, Add	*1,863.16*	
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,037.20	432.49
		For Class 52 Rating, Deduct	*-702.01*	
		For Class 54 Rating, Add	*965.15*	
		For Class 55 Rating, Add	*1,438.89*	
		For Class 56 Rating, Add	*1,906.25*	

40 05 19 00-1189 12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,745.94	403.66
		For Class 52 Rating, Deduct	*-124.78*	
		For Class 54 Rating, Add	*177.49*	
		For Class 55 Rating, Add	*267.64*	
		For Class 56 Rating, Add	*356.65*	
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,933.51	406.55
		For Class 52 Rating, Deduct	*-144.93*	
		For Class 54 Rating, Add	*205.02*	
		For Class 55 Rating, Add	*308.59*	
		For Class 56 Rating, Add	*410.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,121.08	409.42
		For Class 52 Rating, Deduct	*-165.08*	
		For Class 54 Rating, Add	*232.56*	
		For Class 55 Rating, Add	*349.55*	
		For Class 56 Rating, Add	*465.05*	
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,308.65	412.31
		For Class 52 Rating, Deduct	*-185.23*	
		For Class 54 Rating, Add	*260.09*	
		For Class 55 Rating, Add	*390.51*	
		For Class 56 Rating, Add	*519.25*	
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,496.22	415.20
		For Class 52 Rating, Deduct	*-205.39*	
		For Class 54 Rating, Add	*287.62*	
		For Class 55 Rating, Add	*431.47*	
		For Class 56 Rating, Add	*573.45*	
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,683.79	418.07
		For Class 52 Rating, Deduct	*-225.54*	
		For Class 54 Rating, Add	*315.15*	
		For Class 55 Rating, Add	*472.43*	
		For Class 56 Rating, Add	*627.65*	
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,871.35	420.96
		For Class 52 Rating, Deduct	*-245.69*	
		For Class 54 Rating, Add	*342.68*	
		For Class 55 Rating, Add	*513.39*	
		For Class 56 Rating, Add	*681.86*	
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,058.92	423.84
		For Class 52 Rating, Deduct	*-265.84*	
		For Class 54 Rating, Add	*370.22*	
		For Class 55 Rating, Add	*554.35*	
		For Class 56 Rating, Add	*736.06*	
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,246.50	426.73
		For Class 52 Rating, Deduct	*-285.99*	
		For Class 54 Rating, Add	*397.75*	
		For Class 55 Rating, Add	*595.31*	
		For Class 56 Rating, Add	*790.26*	
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,434.07	429.60
		For Class 52 Rating, Deduct	*-306.15*	
		For Class 54 Rating, Add	*425.28*	
		For Class 55 Rating, Add	*636.26*	
		For Class 56 Rating, Add	*844.46*	
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,621.64	432.49
		For Class 52 Rating, Deduct	*-326.30*	
		For Class 54 Rating, Add	*452.82*	
		For Class 55 Rating, Add	*677.22*	
		For Class 56 Rating, Add	*898.66*	
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,809.21	435.38
		For Class 52 Rating, Deduct	*-346.45*	
		For Class 54 Rating, Add	*480.35*	
		For Class 55 Rating, Add	*718.18*	
		For Class 56 Rating, Add	*952.87*	
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,996.78	438.25
		For Class 52 Rating, Deduct	*-366.60*	
		For Class 54 Rating, Add	*507.88*	
		For Class 55 Rating, Add	*759.14*	
		For Class 56 Rating, Add	*1,007.07*	
40 05 19 00-1203	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,184.35	441.14
		For Class 52 Rating, Deduct	*-386.75*	
		For Class 54 Rating, Add	*535.41*	
		For Class 55 Rating, Add	*800.10*	
		For Class 56 Rating, Add	*1,061.27*	
40 05 19 00-1204	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,371.92	444.03
		For Class 52 Rating, Deduct	*-406.91*	
		For Class 54 Rating, Add	*562.95*	
		For Class 55 Rating, Add	*841.06*	
		For Class 56 Rating, Add	*1,115.47*	
40 05 19 00-1205	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.48	446.91
		For Class 52 Rating, Deduct	*-427.06*	
		For Class 54 Rating, Add	*590.48*	
		For Class 55 Rating, Add	*882.02*	
		For Class 56 Rating, Add	*1,169.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1206	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,747.05	449.79
		For Class 52 Rating, Deduct	*-447.21*	
		For Class 54 Rating, Add	*618.01*	
		For Class 55 Rating, Add	*922.97*	
		For Class 56 Rating, Add	*1,223.87*	
40 05 19 00-1207	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,934.62	452.67
		For Class 52 Rating, Deduct	*-467.36*	
		For Class 54 Rating, Add	*645.54*	
		For Class 55 Rating, Add	*963.93*	
		For Class 56 Rating, Add	*1,278.07*	
40 05 19 00-1208	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,122.19	455.56
		For Class 52 Rating, Deduct	*-487.51*	
		For Class 54 Rating, Add	*673.08*	
		For Class 55 Rating, Add	*1,004.89*	
		For Class 56 Rating, Add	*1,332.27*	
40 05 19 00-1209	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,309.76	458.43
		For Class 52 Rating, Deduct	*-507.67*	
		For Class 54 Rating, Add	*700.61*	
		For Class 55 Rating, Add	*1,045.85*	
		For Class 56 Rating, Add	*1,386.48*	
40 05 19 00-1210	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,497.34	461.32
		For Class 52 Rating, Deduct	*-527.82*	
		For Class 54 Rating, Add	*728.14*	
		For Class 55 Rating, Add	*1,086.81*	
		For Class 56 Rating, Add	*1,440.68*	
40 05 19 00-1211	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,684.91	464.21
		For Class 52 Rating, Deduct	*-547.97*	
		For Class 54 Rating, Add	*755.67*	
		For Class 55 Rating, Add	*1,127.77*	
		For Class 56 Rating, Add	*1,494.88*	
40 05 19 00-1212	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,872.48	467.09
		For Class 52 Rating, Deduct	*-568.12*	
		For Class 54 Rating, Add	*783.21*	
		For Class 55 Rating, Add	*1,168.73*	
		For Class 56 Rating, Add	*1,549.08*	
40 05 19 00-1213	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,060.04	469.97
		For Class 52 Rating, Deduct	*-588.28*	
		For Class 54 Rating, Add	*810.74*	
		For Class 55 Rating, Add	*1,209.69*	
		For Class 56 Rating, Add	*1,603.28*	
40 05 19 00-1214	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,247.61	472.86
		For Class 52 Rating, Deduct	*-608.43*	
		For Class 54 Rating, Add	*838.27*	
		For Class 55 Rating, Add	*1,250.64*	
		For Class 56 Rating, Add	*1,657.48*	
40 05 19 00-1215	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,435.18	475.74
		For Class 52 Rating, Deduct	*-628.58*	
		For Class 54 Rating, Add	*865.80*	
		For Class 55 Rating, Add	*1,291.60*	
		For Class 56 Rating, Add	*1,711.69*	
40 05 19 00-1216	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,622.75	478.63
		For Class 52 Rating, Deduct	*-648.73*	
		For Class 54 Rating, Add	*893.34*	
		For Class 55 Rating, Add	*1,332.56*	
		For Class 56 Rating, Add	*1,765.89*	
40 05 19 00-1217	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,810.32	481.50
		For Class 52 Rating, Deduct	*-668.88*	
		For Class 54 Rating, Add	*920.87*	
		For Class 55 Rating, Add	*1,373.52*	
		For Class 56 Rating, Add	*1,820.09*	
40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,997.89	484.39
		For Class 52 Rating, Deduct	*-689.04*	
		For Class 54 Rating, Add	*948.40*	
		For Class 55 Rating, Add	*1,414.48*	
		For Class 56 Rating, Add	*1,874.29*	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,185.45	487.28
		For Class 52 Rating, Deduct	*-709.19*	
		For Class 54 Rating, Add	*975.93*	
		For Class 55 Rating, Add	*1,455.44*	
		For Class 56 Rating, Add	*1,928.49*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,373.02	490.15
		For Class 52 Rating, Deduct	*-729.34*	
		For Class 54 Rating, Add	*1,003.47*	
		For Class 55 Rating, Add	*1,496.39*	
		For Class 56 Rating, Add	*1,982.69*	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,560.59	493.04
		For Class 52 Rating, Deduct	*-749.49*	
		For Class 54 Rating, Add	*1,031.00*	
		For Class 55 Rating, Add	*1,537.35*	
		For Class 56 Rating, Add	*2,036.89*	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,748.15	495.92
		For Class 52 Rating, Deduct	*-769.64*	
		For Class 54 Rating, Add	*1,058.53*	
		For Class 55 Rating, Add	*1,578.31*	
		For Class 56 Rating, Add	*2,091.09*	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,935.73	498.81
		For Class 52 Rating, Deduct	*-789.80*	
		For Class 54 Rating, Add	*1,086.06*	
		For Class 55 Rating, Add	*1,619.27*	
		For Class 56 Rating, Add	*2,145.30*	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,123.30	501.69
		For Class 52 Rating, Deduct	*-809.95*	
		For Class 54 Rating, Add	*1,113.60*	
		For Class 55 Rating, Add	*1,660.23*	
		For Class 56 Rating, Add	*2,199.50*	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,310.87	504.57
		For Class 52 Rating, Deduct	*-830.10*	
		For Class 54 Rating, Add	*1,141.13*	
		For Class 55 Rating, Add	*1,701.19*	
		For Class 56 Rating, Add	*2,253.70*	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,498.44	507.46
		For Class 52 Rating, Deduct	*-850.25*	
		For Class 54 Rating, Add	*1,168.66*	
		For Class 55 Rating, Add	*1,742.15*	
		For Class 56 Rating, Add	*2,307.90*	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,686.01	510.33
		For Class 52 Rating, Deduct	*-870.40*	
		For Class 54 Rating, Add	*1,196.19*	
		For Class 55 Rating, Add	*1,783.11*	
		For Class 56 Rating, Add	*2,362.10*	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,873.58	513.22
		For Class 52 Rating, Deduct	*-890.56*	
		For Class 54 Rating, Add	*1,223.73*	
		For Class 55 Rating, Add	*1,824.06*	
		For Class 56 Rating, Add	*2,416.31*	

40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,352.62	484.39
		For Class 52 Rating, Deduct	*-178.06*	
		For Class 54 Rating, Add	*251.61*	
		For Class 55 Rating, Add	*378.58*	
		For Class 56 Rating, Add	*503.94*	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,580.34	487.28
		For Class 52 Rating, Deduct	*-202.63*	
		For Class 54 Rating, Add	*285.17*	
		For Class 55 Rating, Add	*428.50*	
		For Class 56 Rating, Add	*569.98*	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,808.06	490.15
		For Class 52 Rating, Deduct	*-227.19*	
		For Class 54 Rating, Add	*318.72*	
		For Class 55 Rating, Add	*478.41*	
		For Class 56 Rating, Add	*636.03*	
40 05 19 00-1233	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,035.79	493.04
		For Class 52 Rating, Deduct	*-251.76*	
		For Class 54 Rating, Add	*352.28*	
		For Class 55 Rating, Add	*528.32*	
		For Class 56 Rating, Add	*702.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1234	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.50	495.92
		For Class 52 Rating, Deduct	*-276.33*	
		For Class 54 Rating, Add	*385.83*	
		For Class 55 Rating, Add	*578.23*	
		For Class 56 Rating, Add	*768.12*	
40 05 19 00-1235	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,491.22	498.81
		For Class 52 Rating, Deduct	*-300.90*	
		For Class 54 Rating, Add	*419.39*	
		For Class 55 Rating, Add	*628.15*	
		For Class 56 Rating, Add	*834.17*	
40 05 19 00-1236	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,718.95	501.69
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*452.94*	
		For Class 55 Rating, Add	*678.06*	
		For Class 56 Rating, Add	*900.22*	
40 05 19 00-1237	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,946.67	504.57
		For Class 52 Rating, Deduct	*-350.04*	
		For Class 54 Rating, Add	*486.50*	
		For Class 55 Rating, Add	*727.97*	
		For Class 56 Rating, Add	*966.26*	
40 05 19 00-1238	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,174.40	507.46
		For Class 52 Rating, Deduct	*-374.61*	
		For Class 54 Rating, Add	*520.06*	
		For Class 55 Rating, Add	*777.89*	
		For Class 56 Rating, Add	*1,032.31*	
40 05 19 00-1239	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,402.12	510.33
		For Class 52 Rating, Deduct	*-399.18*	
		For Class 54 Rating, Add	*553.61*	
		For Class 55 Rating, Add	*827.80*	
		For Class 56 Rating, Add	*1,098.36*	
40 05 19 00-1240	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,629.85	513.22
		For Class 52 Rating, Deduct	*-423.75*	
		For Class 54 Rating, Add	*587.17*	
		For Class 55 Rating, Add	*877.71*	
		For Class 56 Rating, Add	*1,164.40*	
40 05 19 00-1241	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,857.57	516.11
		For Class 52 Rating, Deduct	*-448.31*	
		For Class 54 Rating, Add	*620.72*	
		For Class 55 Rating, Add	*927.62*	
		For Class 56 Rating, Add	*1,230.45*	
40 05 19 00-1242	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,085.29	518.99
		For Class 52 Rating, Deduct	*-472.88*	
		For Class 54 Rating, Add	*654.28*	
		For Class 55 Rating, Add	*977.54*	
		For Class 56 Rating, Add	*1,296.50*	
40 05 19 00-1243	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,313.01	521.87
		For Class 52 Rating, Deduct	*-497.45*	
		For Class 54 Rating, Add	*687.83*	
		For Class 55 Rating, Add	*1,027.45*	
		For Class 56 Rating, Add	*1,362.54*	
40 05 19 00-1244	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,540.73	524.76
		For Class 52 Rating, Deduct	*-522.02*	
		For Class 54 Rating, Add	*721.39*	
		For Class 55 Rating, Add	*1,077.36*	
		For Class 56 Rating, Add	*1,428.59*	
40 05 19 00-1245	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,768.46	527.64
		For Class 52 Rating, Deduct	*-546.59*	
		For Class 54 Rating, Add	*754.94*	
		For Class 55 Rating, Add	*1,127.28*	
		For Class 56 Rating, Add	*1,494.64*	
40 05 19 00-1246	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,996.18	530.52
		For Class 52 Rating, Deduct	*-571.16*	
		For Class 54 Rating, Add	*788.50*	
		For Class 55 Rating, Add	*1,177.19*	
		For Class 56 Rating, Add	*1,560.68*	
40 05 19 00-1247	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,223.91	533.40
		For Class 52 Rating, Deduct	*-595.73*	
		For Class 54 Rating, Add	*822.06*	
		For Class 55 Rating, Add	*1,227.10*	
		For Class 56 Rating, Add	*1,626.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,451.63	536.29
		For Class 52 Rating, Deduct	*-620.30*	
		For Class 54 Rating, Add	*855.61*	
		For Class 55 Rating, Add	*1,277.01*	
		For Class 56 Rating, Add	*1,692.78*	
40 05 19 00-1249	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,679.36	539.18
		For Class 52 Rating, Deduct	*-644.87*	
		For Class 54 Rating, Add	*889.17*	
		For Class 55 Rating, Add	*1,326.93*	
		For Class 56 Rating, Add	*1,758.83*	
40 05 19 00-1250	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,907.08	542.05
		For Class 52 Rating, Deduct	*-669.44*	
		For Class 54 Rating, Add	*922.72*	
		For Class 55 Rating, Add	*1,376.84*	
		For Class 56 Rating, Add	*1,824.87*	
40 05 19 00-1251	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,134.80	544.94
		For Class 52 Rating, Deduct	*-694.00*	
		For Class 54 Rating, Add	*956.28*	
		For Class 55 Rating, Add	*1,426.75*	
		For Class 56 Rating, Add	*1,890.92*	
40 05 19 00-1252	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,362.52	547.82
		For Class 52 Rating, Deduct	*-718.57*	
		For Class 54 Rating, Add	*989.83*	
		For Class 55 Rating, Add	*1,476.67*	
		For Class 56 Rating, Add	*1,956.97*	
40 05 19 00-1253	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,590.24	550.71
		For Class 52 Rating, Deduct	*-743.14*	
		For Class 54 Rating, Add	*1,023.39*	
		For Class 55 Rating, Add	*1,526.58*	
		For Class 56 Rating, Add	*2,023.01*	
40 05 19 00-1254	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,817.97	553.59
		For Class 52 Rating, Deduct	*-767.71*	
		For Class 54 Rating, Add	*1,056.95*	
		For Class 55 Rating, Add	*1,576.49*	
		For Class 56 Rating, Add	*2,089.06*	
40 05 19 00-1255	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,045.69	556.47
		For Class 52 Rating, Deduct	*-792.28*	
		For Class 54 Rating, Add	*1,090.50*	
		For Class 55 Rating, Add	*1,626.40*	
		For Class 56 Rating, Add	*2,155.11*	
40 05 19 00-1256	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,273.42	559.36
		For Class 52 Rating, Deduct	*-816.85*	
		For Class 54 Rating, Add	*1,124.06*	
		For Class 55 Rating, Add	*1,676.32*	
		For Class 56 Rating, Add	*2,221.15*	
40 05 19 00-1257	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,501.14	562.23
		For Class 52 Rating, Deduct	*-841.42*	
		For Class 54 Rating, Add	*1,157.61*	
		For Class 55 Rating, Add	*1,726.23*	
		For Class 56 Rating, Add	*2,287.20*	
40 05 19 00-1258	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,728.87	565.12
		For Class 52 Rating, Deduct	*-865.99*	
		For Class 54 Rating, Add	*1,191.17*	
		For Class 55 Rating, Add	*1,776.14*	
		For Class 56 Rating, Add	*2,353.25*	
40 05 19 00-1259	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,956.59	568.01
		For Class 52 Rating, Deduct	*-890.56*	
		For Class 54 Rating, Add	*1,224.72*	
		For Class 55 Rating, Add	*1,826.06*	
		For Class 56 Rating, Add	*2,419.29*	
40 05 19 00-1260	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,184.31	570.89
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,258.28*	
		For Class 55 Rating, Add	*1,875.97*	
		For Class 56 Rating, Add	*2,485.34*	
40 05 19 00-1261	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,412.03	573.77
		For Class 52 Rating, Deduct	*-939.69*	
		For Class 54 Rating, Add	*1,291.83*	
		For Class 55 Rating, Add	*1,925.88*	
		For Class 56 Rating, Add	*2,551.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1262	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,639.75	576.65
		For Class 52 Rating, Deduct	*-964.26*	
		For Class 54 Rating, Add	*1,325.39*	
		For Class 55 Rating, Add	*1,975.79*	
		For Class 56 Rating, Add	*2,617.43*	
40 05 19 00-1263	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,867.48	579.54
		For Class 52 Rating, Deduct	*-988.83*	
		For Class 54 Rating, Add	*1,358.95*	
		For Class 55 Rating, Add	*2,025.71*	
		For Class 56 Rating, Add	*2,683.48*	
40 05 19 00-1264	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,095.20	582.42
		For Class 52 Rating, Deduct	*-1,013.40*	
		For Class 54 Rating, Add	*1,392.50*	
		For Class 55 Rating, Add	*2,075.62*	
		For Class 56 Rating, Add	*2,749.53*	
40 05 19 00-1265	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,322.93	585.30
		For Class 52 Rating, Deduct	*-1,037.97*	
		For Class 54 Rating, Add	*1,426.06*	
		For Class 55 Rating, Add	*2,125.53*	
		For Class 56 Rating, Add	*2,815.58*	
40 05 19 00-1266	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,550.65	588.19
		For Class 52 Rating, Deduct	*-1,062.54*	
		For Class 54 Rating, Add	*1,459.61*	
		For Class 55 Rating, Add	*2,175.45*	
		For Class 56 Rating, Add	*2,881.62*	
40 05 19 00-1267	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,778.37	591.08
		For Class 52 Rating, Deduct	*-1,087.11*	
		For Class 54 Rating, Add	*1,493.17*	
		For Class 55 Rating, Add	*2,225.36*	
		For Class 56 Rating, Add	*2,947.67*	

40 05 19 00-1268 16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1269	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,753.59	553.59
		For Class 52 Rating, Deduct	*-210.63*	
		For Class 54 Rating, Add	*297.29*	
		For Class 55 Rating, Add	*447.14*	
		For Class 56 Rating, Add	*595.07*	
40 05 19 00-1270	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,018.96	556.47
		For Class 52 Rating, Deduct	*-239.34*	
		For Class 54 Rating, Add	*336.49*	
		For Class 55 Rating, Add	*505.44*	
		For Class 56 Rating, Add	*672.22*	
40 05 19 00-1271	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,284.33	559.36
		For Class 52 Rating, Deduct	*-268.05*	
		For Class 54 Rating, Add	*375.69*	
		For Class 55 Rating, Add	*563.75*	
		For Class 56 Rating, Add	*749.37*	
40 05 19 00-1272	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,549.70	562.23
		For Class 52 Rating, Deduct	*-296.76*	
		For Class 54 Rating, Add	*414.90*	
		For Class 55 Rating, Add	*622.06*	
		For Class 56 Rating, Add	*826.52*	
40 05 19 00-1273	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,815.07	565.12
		For Class 52 Rating, Deduct	*-325.47*	
		For Class 54 Rating, Add	*454.10*	
		For Class 55 Rating, Add	*680.37*	
		For Class 56 Rating, Add	*903.68*	
40 05 19 00-1274	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,080.44	568.01
		For Class 52 Rating, Deduct	*-354.18*	
		For Class 54 Rating, Add	*493.30*	
		For Class 55 Rating, Add	*738.67*	
		For Class 56 Rating, Add	*980.83*	
40 05 19 00-1275	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,345.81	570.89
		For Class 52 Rating, Deduct	*-382.89*	
		For Class 54 Rating, Add	*532.50*	
		For Class 55 Rating, Add	*796.98*	
		For Class 56 Rating, Add	*1,057.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1276	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,611.16	573.77
		For Class 52 Rating, Deduct	*-411.60*	
		For Class 54 Rating, Add	*571.70*	
		For Class 55 Rating, Add	*855.29*	
		For Class 56 Rating, Add	*1,135.13*	
40 05 19 00-1277	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,876.53	576.65
		For Class 52 Rating, Deduct	*-440.31*	
		For Class 54 Rating, Add	*610.91*	
		For Class 55 Rating, Add	*913.60*	
		For Class 56 Rating, Add	*1,212.28*	
40 05 19 00-1278	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,141.90	579.54
		For Class 52 Rating, Deduct	*-469.02*	
		For Class 54 Rating, Add	*650.11*	
		For Class 55 Rating, Add	*971.90*	
		For Class 56 Rating, Add	*1,289.44*	
40 05 19 00-1279	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,407.27	582.42
		For Class 52 Rating, Deduct	*-497.73*	
		For Class 54 Rating, Add	*689.31*	
		For Class 55 Rating, Add	*1,030.21*	
		For Class 56 Rating, Add	*1,366.59*	
40 05 19 00-1280	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,672.64	585.30
		For Class 52 Rating, Deduct	*-526.44*	
		For Class 54 Rating, Add	*728.51*	
		For Class 55 Rating, Add	*1,088.52*	
		For Class 56 Rating, Add	*1,443.74*	
40 05 19 00-1281	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,938.01	588.19
		For Class 52 Rating, Deduct	*-555.15*	
		For Class 54 Rating, Add	*767.72*	
		For Class 55 Rating, Add	*1,146.83*	
		For Class 56 Rating, Add	*1,520.89*	
40 05 19 00-1282	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,203.37	591.08
		For Class 52 Rating, Deduct	*-583.86*	
		For Class 54 Rating, Add	*806.92*	
		For Class 55 Rating, Add	*1,205.13*	
		For Class 56 Rating, Add	*1,598.04*	
40 05 19 00-1283	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,468.73	593.95
		For Class 52 Rating, Deduct	*-612.57*	
		For Class 54 Rating, Add	*846.12*	
		For Class 55 Rating, Add	*1,263.44*	
		For Class 56 Rating, Add	*1,675.19*	
40 05 19 00-1284	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,734.10	596.84
		For Class 52 Rating, Deduct	*-641.28*	
		For Class 54 Rating, Add	*885.32*	
		For Class 55 Rating, Add	*1,321.75*	
		For Class 56 Rating, Add	*1,752.35*	
40 05 19 00-1285	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,999.46	599.72
		For Class 52 Rating, Deduct	*-669.99*	
		For Class 54 Rating, Add	*924.52*	
		For Class 55 Rating, Add	*1,380.06*	
		For Class 56 Rating, Add	*1,829.50*	
40 05 19 00-1286	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,264.83	602.60
		For Class 52 Rating, Deduct	*-698.70*	
		For Class 54 Rating, Add	*963.73*	
		For Class 55 Rating, Add	*1,438.36*	
		For Class 56 Rating, Add	*1,906.65*	
40 05 19 00-1287	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,530.20	605.48
		For Class 52 Rating, Deduct	*-727.41*	
		For Class 54 Rating, Add	*1,002.93*	
		For Class 55 Rating, Add	*1,496.67*	
		For Class 56 Rating, Add	*1,983.80*	
40 05 19 00-1288	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,795.56	608.37
		For Class 52 Rating, Deduct	*-756.12*	
		For Class 54 Rating, Add	*1,042.13*	
		For Class 55 Rating, Add	*1,554.98*	
		For Class 56 Rating, Add	*2,060.95*	
40 05 19 00-1289	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,060.93	611.26
		For Class 52 Rating, Deduct	*-784.83*	
		For Class 54 Rating, Add	*1,081.33*	
		For Class 55 Rating, Add	*1,613.29*	
		For Class 56 Rating, Add	*2,138.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1290	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,326.30	614.13
		For Class 52 Rating, Deduct	*-813.54*	
		For Class 54 Rating, Add	*1,120.53*	
		For Class 55 Rating, Add	*1,671.59*	
		For Class 56 Rating, Add	*2,215.26*	
40 05 19 00-1291	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,591.67	617.02
		For Class 52 Rating, Deduct	*-842.25*	
		For Class 54 Rating, Add	*1,159.74*	
		For Class 55 Rating, Add	*1,729.90*	
		For Class 56 Rating, Add	*2,292.41*	
40 05 19 00-1292	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,857.04	619.91
		For Class 52 Rating, Deduct	*-870.96*	
		For Class 54 Rating, Add	*1,198.94*	
		For Class 55 Rating, Add	*1,788.21*	
		For Class 56 Rating, Add	*2,369.56*	
40 05 19 00-1293	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,122.40	622.79
		For Class 52 Rating, Deduct	*-899.67*	
		For Class 54 Rating, Add	*1,238.14*	
		For Class 55 Rating, Add	*1,846.52*	
		For Class 56 Rating, Add	*2,446.71*	
40 05 19 00-1294	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,387.76	625.67
		For Class 52 Rating, Deduct	*-928.38*	
		For Class 54 Rating, Add	*1,277.34*	
		For Class 55 Rating, Add	*1,904.82*	
		For Class 56 Rating, Add	*2,523.86*	
40 05 19 00-1295	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,653.13	628.56
		For Class 52 Rating, Deduct	*-957.09*	
		For Class 54 Rating, Add	*1,316.55*	
		For Class 55 Rating, Add	*1,963.13*	
		For Class 56 Rating, Add	*2,601.01*	
40 05 19 00-1296	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,918.50	631.44
		For Class 52 Rating, Deduct	*-985.80*	
		For Class 54 Rating, Add	*1,355.75*	
		For Class 55 Rating, Add	*2,021.44*	
		For Class 56 Rating, Add	*2,678.17*	
40 05 19 00-1297	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,183.87	634.31
		For Class 52 Rating, Deduct	*-1,014.51*	
		For Class 54 Rating, Add	*1,394.95*	
		For Class 55 Rating, Add	*2,079.75*	
		For Class 56 Rating, Add	*2,755.32*	
40 05 19 00-1298	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,449.24	637.20
		For Class 52 Rating, Deduct	*-1,043.22*	
		For Class 54 Rating, Add	*1,434.15*	
		For Class 55 Rating, Add	*2,138.05*	
		For Class 56 Rating, Add	*2,832.47*	
40 05 19 00-1299	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,714.61	640.09
		For Class 52 Rating, Deduct	*-1,071.93*	
		For Class 54 Rating, Add	*1,473.35*	
		For Class 55 Rating, Add	*2,196.36*	
		For Class 56 Rating, Add	*2,909.62*	
40 05 19 00-1300	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,979.98	642.97
		For Class 52 Rating, Deduct	*-1,100.64*	
		For Class 54 Rating, Add	*1,512.56*	
		For Class 55 Rating, Add	*2,254.67*	
		For Class 56 Rating, Add	*2,986.78*	
40 05 19 00-1301	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,245.34	645.85
		For Class 52 Rating, Deduct	*-1,129.34*	
		For Class 54 Rating, Add	*1,551.76*	
		For Class 55 Rating, Add	*2,312.98*	
		For Class 56 Rating, Add	*3,063.93*	
40 05 19 00-1302	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,510.70	648.74
		For Class 52 Rating, Deduct	*-1,158.05*	
		For Class 54 Rating, Add	*1,590.96*	
		For Class 55 Rating, Add	*2,371.28*	
		For Class 56 Rating, Add	*3,141.08*	
40 05 19 00-1303	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,776.07	651.62
		For Class 52 Rating, Deduct	*-1,186.76*	
		For Class 54 Rating, Add	*1,630.16*	
		For Class 55 Rating, Add	*2,429.59*	
		For Class 56 Rating, Add	*3,218.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1304	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,041.44	654.50
		For Class 52 Rating, Deduct	*-1,215.47*	
		For Class 54 Rating, Add	*1,669.37*	
		For Class 55 Rating, Add	*2,487.90*	
		For Class 56 Rating, Add	*3,295.38*	
40 05 19 00-1305	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,306.81	657.39
		For Class 52 Rating, Deduct	*-1,244.18*	
		For Class 54 Rating, Add	*1,708.57*	
		For Class 55 Rating, Add	*2,546.21*	
		For Class 56 Rating, Add	*3,372.53*	
40 05 19 00-1306	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,572.18	660.27
		For Class 52 Rating, Deduct	*-1,272.89*	
		For Class 54 Rating, Add	*1,747.77*	
		For Class 55 Rating, Add	*2,604.51*	
		For Class 56 Rating, Add	*3,449.69*	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1308	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,191.46	623.94
		For Class 52 Rating, Deduct	*-247.07*	
		For Class 54 Rating, Add	*348.26*	
		For Class 55 Rating, Add	*523.57*	
		For Class 56 Rating, Add	*696.63*	
40 05 19 00-1309	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,496.98	626.83
		For Class 52 Rating, Deduct	*-280.20*	
		For Class 54 Rating, Add	*393.48*	
		For Class 55 Rating, Add	*590.83*	
		For Class 56 Rating, Add	*785.63*	
40 05 19 00-1310	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,802.50	629.71
		For Class 52 Rating, Deduct	*-313.32*	
		For Class 54 Rating, Add	*438.71*	
		For Class 55 Rating, Add	*658.09*	
		For Class 56 Rating, Add	*874.63*	
40 05 19 00-1311	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,108.02	632.59
		For Class 52 Rating, Deduct	*-346.45*	
		For Class 54 Rating, Add	*483.93*	
		For Class 55 Rating, Add	*725.35*	
		For Class 56 Rating, Add	*963.62*	
40 05 19 00-1312	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,413.54	635.47
		For Class 52 Rating, Deduct	*-379.58*	
		For Class 54 Rating, Add	*529.16*	
		For Class 55 Rating, Add	*792.61*	
		For Class 56 Rating, Add	*1,052.62*	
40 05 19 00-1313	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,719.06	638.35
		For Class 52 Rating, Deduct	*-412.70*	
		For Class 54 Rating, Add	*574.38*	
		For Class 55 Rating, Add	*859.88*	
		For Class 56 Rating, Add	*1,141.62*	
40 05 19 00-1314	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,024.58	641.24
		For Class 52 Rating, Deduct	*-445.83*	
		For Class 54 Rating, Add	*619.61*	
		For Class 55 Rating, Add	*927.14*	
		For Class 56 Rating, Add	*1,230.61*	
40 05 19 00-1315	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,330.11	644.12
		For Class 52 Rating, Deduct	*-478.96*	
		For Class 54 Rating, Add	*664.84*	
		For Class 55 Rating, Add	*994.40*	
		For Class 56 Rating, Add	*1,319.61*	
40 05 19 00-1316	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,635.63	647.02
		For Class 52 Rating, Deduct	*-512.08*	
		For Class 54 Rating, Add	*710.06*	
		For Class 55 Rating, Add	*1,061.66*	
		For Class 56 Rating, Add	*1,408.61*	
40 05 19 00-1317	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,941.15	649.89
		For Class 52 Rating, Deduct	*-545.21*	
		For Class 54 Rating, Add	*755.29*	
		For Class 55 Rating, Add	*1,128.92*	
		For Class 56 Rating, Add	*1,497.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1318	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,246.67	652.77
		For Class 52 Rating, Deduct	*-578.34*	
		For Class 54 Rating, Add	*800.51*	
		For Class 55 Rating, Add	*1,196.18*	
		For Class 56 Rating, Add	*1,586.60*	
40 05 19 00-1319	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,552.18	655.66
		For Class 52 Rating, Deduct	*-611.46*	
		For Class 54 Rating, Add	*845.74*	
		For Class 55 Rating, Add	*1,263.45*	
		For Class 56 Rating, Add	*1,675.60*	
40 05 19 00-1320	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,857.71	658.54
		For Class 52 Rating, Deduct	*-644.59*	
		For Class 54 Rating, Add	*890.96*	
		For Class 55 Rating, Add	*1,330.71*	
		For Class 56 Rating, Add	*1,764.60*	
40 05 19 00-1321	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,163.23	661.42
		For Class 52 Rating, Deduct	*-677.72*	
		For Class 54 Rating, Add	*936.19*	
		For Class 55 Rating, Add	*1,397.97*	
		For Class 56 Rating, Add	*1,853.59*	
40 05 19 00-1322	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,468.75	664.31
		For Class 52 Rating, Deduct	*-710.84*	
		For Class 54 Rating, Add	*981.41*	
		For Class 55 Rating, Add	*1,465.23*	
		For Class 56 Rating, Add	*1,942.59*	
40 05 19 00-1323	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,774.27	667.20
		For Class 52 Rating, Deduct	*-743.97*	
		For Class 54 Rating, Add	*1,026.64*	
		For Class 55 Rating, Add	*1,532.49*	
		For Class 56 Rating, Add	*2,031.59*	
40 05 19 00-1324	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,079.79	670.07
		For Class 52 Rating, Deduct	*-777.10*	
		For Class 54 Rating, Add	*1,071.86*	
		For Class 55 Rating, Add	*1,599.75*	
		For Class 56 Rating, Add	*2,120.58*	
40 05 19 00-1325	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,385.32	672.95
		For Class 52 Rating, Deduct	*-810.22*	
		For Class 54 Rating, Add	*1,117.09*	
		For Class 55 Rating, Add	*1,667.02*	
		For Class 56 Rating, Add	*2,209.58*	
40 05 19 00-1326	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,690.84	675.85
		For Class 52 Rating, Deduct	*-843.35*	
		For Class 54 Rating, Add	*1,162.31*	
		For Class 55 Rating, Add	*1,734.28*	
		For Class 56 Rating, Add	*2,298.58*	
40 05 19 00-1327	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,996.36	678.72
		For Class 52 Rating, Deduct	*-876.48*	
		For Class 54 Rating, Add	*1,207.54*	
		For Class 55 Rating, Add	*1,801.54*	
		For Class 56 Rating, Add	*2,387.58*	
40 05 19 00-1328	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,301.87	681.60
		For Class 52 Rating, Deduct	*-909.60*	
		For Class 54 Rating, Add	*1,252.76*	
		For Class 55 Rating, Add	*1,868.80*	
		For Class 56 Rating, Add	*2,476.57*	
40 05 19 00-1329	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,607.38	684.49
		For Class 52 Rating, Deduct	*-942.73*	
		For Class 54 Rating, Add	*1,297.99*	
		For Class 55 Rating, Add	*1,936.06*	
		For Class 56 Rating, Add	*2,565.57*	
40 05 19 00-1330	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,912.91	687.38
		For Class 52 Rating, Deduct	*-975.86*	
		For Class 54 Rating, Add	*1,343.21*	
		For Class 55 Rating, Add	*2,003.33*	
		For Class 56 Rating, Add	*2,654.57*	
40 05 19 00-1331	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,218.43	690.25
		For Class 52 Rating, Deduct	*-1,008.98*	
		For Class 54 Rating, Add	*1,388.44*	
		For Class 55 Rating, Add	*2,070.59*	
		For Class 56 Rating, Add	*2,743.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1332	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,523.95	693.14
		For Class 52 Rating, Deduct	*-1,042.11*	
		For Class 54 Rating, Add	*1,433.66*	
		For Class 55 Rating, Add	*2,137.85*	
		For Class 56 Rating, Add	*2,832.56*	
40 05 19 00-1333	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,829.47	696.03
		For Class 52 Rating, Deduct	*-1,075.24*	
		For Class 54 Rating, Add	*1,478.89*	
		For Class 55 Rating, Add	*2,205.11*	
		For Class 56 Rating, Add	*2,921.56*	
40 05 19 00-1334	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,134.99	698.91
		For Class 52 Rating, Deduct	*-1,108.36*	
		For Class 54 Rating, Add	*1,524.11*	
		For Class 55 Rating, Add	*2,272.37*	
		For Class 56 Rating, Add	*3,010.55*	
40 05 19 00-1335	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,440.52	701.78
		For Class 52 Rating, Deduct	*-1,141.49*	
		For Class 54 Rating, Add	*1,569.34*	
		For Class 55 Rating, Add	*2,339.64*	
		For Class 56 Rating, Add	*3,099.55*	
40 05 19 00-1336	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,746.03	704.68
		For Class 52 Rating, Deduct	*-1,174.62*	
		For Class 54 Rating, Add	*1,614.56*	
		For Class 55 Rating, Add	*2,406.90*	
		For Class 56 Rating, Add	*3,188.55*	
40 05 19 00-1337	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,051.55	707.56
		For Class 52 Rating, Deduct	*-1,207.75*	
		For Class 54 Rating, Add	*1,659.79*	
		For Class 55 Rating, Add	*2,474.16*	
		For Class 56 Rating, Add	*3,277.55*	
40 05 19 00-1338	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,357.07	710.43
		For Class 52 Rating, Deduct	*-1,240.87*	
		For Class 54 Rating, Add	*1,705.01*	
		For Class 55 Rating, Add	*2,541.42*	
		For Class 56 Rating, Add	*3,366.54*	
40 05 19 00-1339	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,662.59	713.32
		For Class 52 Rating, Deduct	*-1,274.00*	
		For Class 54 Rating, Add	*1,750.24*	
		For Class 55 Rating, Add	*2,608.68*	
		For Class 56 Rating, Add	*3,455.54*	
40 05 19 00-1340	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,968.12	716.21
		For Class 52 Rating, Deduct	*-1,307.13*	
		For Class 54 Rating, Add	*1,795.47*	
		For Class 55 Rating, Add	*2,675.94*	
		For Class 56 Rating, Add	*3,544.54*	
40 05 19 00-1341	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,273.64	719.09
		For Class 52 Rating, Deduct	*-1,340.25*	
		For Class 54 Rating, Add	*1,840.69*	
		For Class 55 Rating, Add	*2,743.21*	
		For Class 56 Rating, Add	*3,633.54*	
40 05 19 00-1342	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,579.16	721.97
		For Class 52 Rating, Deduct	*-1,373.38*	
		For Class 54 Rating, Add	*1,885.92*	
		For Class 55 Rating, Add	*2,810.47*	
		For Class 56 Rating, Add	*3,722.53*	
40 05 19 00-1343	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,884.68	724.86
		For Class 52 Rating, Deduct	*-1,406.51*	
		For Class 54 Rating, Add	*1,931.14*	
		For Class 55 Rating, Add	*2,877.73*	
		For Class 56 Rating, Add	*3,811.53*	
40 05 19 00-1344	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,190.20	727.74
		For Class 52 Rating, Deduct	*-1,439.63*	
		For Class 54 Rating, Add	*1,976.37*	
		For Class 55 Rating, Add	*2,944.99*	
		For Class 56 Rating, Add	*3,900.53*	
40 05 19 00-1345	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,495.72	730.61
		For Class 52 Rating, Deduct	*-1,472.76*	
		For Class 54 Rating, Add	*2,021.59*	
		For Class 55 Rating, Add	*3,012.25*	
		For Class 56 Rating, Add	*3,989.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1346		20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*		
40 05 19 00-1347	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,724.16	712.17
		For Class 52 Rating, Deduct	*-290.96*	
		For Class 54 Rating, Add	*409.72*	
		For Class 55 Rating, Add	*615.76*	
		For Class 56 Rating, Add	*819.16*	
40 05 19 00-1348	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,074.85	715.06
		For Class 52 Rating, Deduct	*-329.06*	
		For Class 54 Rating, Add	*461.72*	
		For Class 55 Rating, Add	*693.09*	
		For Class 56 Rating, Add	*921.48*	
40 05 19 00-1349	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,425.55	717.93
		For Class 52 Rating, Deduct	*-367.15*	
		For Class 54 Rating, Add	*513.72*	
		For Class 55 Rating, Add	*770.43*	
		For Class 56 Rating, Add	*1,023.80*	
40 05 19 00-1350	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,776.24	720.82
		For Class 52 Rating, Deduct	*-405.25*	
		For Class 54 Rating, Add	*565.72*	
		For Class 55 Rating, Add	*847.76*	
		For Class 56 Rating, Add	*1,126.12*	
40 05 19 00-1351	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,126.94	723.71
		For Class 52 Rating, Deduct	*-443.35*	
		For Class 54 Rating, Add	*617.72*	
		For Class 55 Rating, Add	*925.10*	
		For Class 56 Rating, Add	*1,228.45*	
40 05 19 00-1352	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,477.62	726.58
		For Class 52 Rating, Deduct	*-481.44*	
		For Class 54 Rating, Add	*669.72*	
		For Class 55 Rating, Add	*1,002.43*	
		For Class 56 Rating, Add	*1,330.77*	
40 05 19 00-1353	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,828.32	729.46
		For Class 52 Rating, Deduct	*-519.54*	
		For Class 54 Rating, Add	*721.72*	
		For Class 55 Rating, Add	*1,079.77*	
		For Class 56 Rating, Add	*1,433.09*	
40 05 19 00-1354	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,179.01	732.36
		For Class 52 Rating, Deduct	*-557.63*	
		For Class 54 Rating, Add	*773.72*	
		For Class 55 Rating, Add	*1,157.10*	
		For Class 56 Rating, Add	*1,535.42*	
40 05 19 00-1355	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,529.71	735.24
		For Class 52 Rating, Deduct	*-595.73*	
		For Class 54 Rating, Add	*825.73*	
		For Class 55 Rating, Add	*1,234.44*	
		For Class 56 Rating, Add	*1,637.74*	
40 05 19 00-1356	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,880.40	738.11
		For Class 52 Rating, Deduct	*-633.82*	
		For Class 54 Rating, Add	*877.73*	
		For Class 55 Rating, Add	*1,311.78*	
		For Class 56 Rating, Add	*1,740.06*	
40 05 19 00-1357	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,231.10	741.00
		For Class 52 Rating, Deduct	*-671.92*	
		For Class 54 Rating, Add	*929.73*	
		For Class 55 Rating, Add	*1,389.11*	
		For Class 56 Rating, Add	*1,842.39*	
40 05 19 00-1358	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,581.79	743.89
		For Class 52 Rating, Deduct	*-710.02*	
		For Class 54 Rating, Add	*981.73*	
		For Class 55 Rating, Add	*1,466.45*	
		For Class 56 Rating, Add	*1,944.71*	
40 05 19 00-1359	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,932.49	746.76
		For Class 52 Rating, Deduct	*-748.11*	
		For Class 54 Rating, Add	*1,033.73*	
		For Class 55 Rating, Add	*1,543.78*	
		For Class 56 Rating, Add	*2,047.03*	
40 05 19 00-1360	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,283.17	749.65
		For Class 52 Rating, Deduct	*-786.21*	
		For Class 54 Rating, Add	*1,085.73*	
		For Class 55 Rating, Add	*1,621.12*	
		For Class 56 Rating, Add	*2,149.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1361	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,633.87	752.54
		For Class 52 Rating, Deduct	*-824.30*	
		For Class 54 Rating, Add	*1,137.73*	
		For Class 55 Rating, Add	*1,698.45*	
		For Class 56 Rating, Add	*2,251.68*	
40 05 19 00-1362	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,984.56	755.42
		For Class 52 Rating, Deduct	*-862.40*	
		For Class 54 Rating, Add	*1,189.73*	
		For Class 55 Rating, Add	*1,775.79*	
		For Class 56 Rating, Add	*2,354.00*	
40 05 19 00-1363	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,335.26	758.29
		For Class 52 Rating, Deduct	*-900.50*	
		For Class 54 Rating, Add	*1,241.74*	
		For Class 55 Rating, Add	*1,853.12*	
		For Class 56 Rating, Add	*2,456.33*	
40 05 19 00-1364	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,685.95	761.19
		For Class 52 Rating, Deduct	*-938.59*	
		For Class 54 Rating, Add	*1,293.74*	
		For Class 55 Rating, Add	*1,930.46*	
		For Class 56 Rating, Add	*2,558.65*	
40 05 19 00-1365	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,036.64	764.07
		For Class 52 Rating, Deduct	*-976.69*	
		For Class 54 Rating, Add	*1,345.74*	
		For Class 55 Rating, Add	*2,007.79*	
		For Class 56 Rating, Add	*2,660.97*	
40 05 19 00-1366	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,387.34	766.95
		For Class 52 Rating, Deduct	*-1,014.78*	
		For Class 54 Rating, Add	*1,397.74*	
		For Class 55 Rating, Add	*2,085.13*	
		For Class 56 Rating, Add	*2,763.29*	
40 05 19 00-1367	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,738.03	769.83
		For Class 52 Rating, Deduct	*-1,052.88*	
		For Class 54 Rating, Add	*1,449.74*	
		For Class 55 Rating, Add	*2,162.46*	
		For Class 56 Rating, Add	*2,865.62*	
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,088.73	772.72
		For Class 52 Rating, Deduct	*-1,090.97*	
		For Class 54 Rating, Add	*1,501.74*	
		For Class 55 Rating, Add	*2,239.80*	
		For Class 56 Rating, Add	*2,967.94*	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,439.41	775.60
		For Class 52 Rating, Deduct	*-1,129.07*	
		For Class 54 Rating, Add	*1,553.74*	
		For Class 55 Rating, Add	*2,317.13*	
		For Class 56 Rating, Add	*3,070.26*	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,790.11	778.48
		For Class 52 Rating, Deduct	*-1,167.16*	
		For Class 54 Rating, Add	*1,605.74*	
		For Class 55 Rating, Add	*2,394.47*	
		For Class 56 Rating, Add	*3,172.59*	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,140.80	781.37
		For Class 52 Rating, Deduct	*-1,205.26*	
		For Class 54 Rating, Add	*1,657.74*	
		For Class 55 Rating, Add	*2,471.80*	
		For Class 56 Rating, Add	*3,274.91*	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,491.50	784.25
		For Class 52 Rating, Deduct	*-1,243.36*	
		For Class 54 Rating, Add	*1,709.75*	
		For Class 55 Rating, Add	*2,549.14*	
		For Class 56 Rating, Add	*3,377.23*	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,842.19	787.14
		For Class 52 Rating, Deduct	*-1,281.45*	
		For Class 54 Rating, Add	*1,761.75*	
		For Class 55 Rating, Add	*2,626.48*	
		For Class 56 Rating, Add	*3,479.55*	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,192.89	790.02
		For Class 52 Rating, Deduct	*-1,319.55*	
		For Class 54 Rating, Add	*1,813.75*	
		For Class 55 Rating, Add	*2,703.81*	
		For Class 56 Rating, Add	*3,581.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,543.58	792.90
		For Class 52 Rating, Deduct	*-1,357.64*	
		For Class 54 Rating, Add	*1,865.75*	
		For Class 55 Rating, Add	*2,781.15*	
		For Class 56 Rating, Add	*3,684.20*	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,894.28	795.78
		For Class 52 Rating, Deduct	*-1,395.74*	
		For Class 54 Rating, Add	*1,917.75*	
		For Class 55 Rating, Add	*2,858.48*	
		For Class 56 Rating, Add	*3,786.53*	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,244.97	798.66
		For Class 52 Rating, Deduct	*-1,433.83*	
		For Class 54 Rating, Add	*1,969.75*	
		For Class 55 Rating, Add	*2,935.82*	
		For Class 56 Rating, Add	*3,888.85*	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,595.66	801.55
		For Class 52 Rating, Deduct	*-1,471.93*	
		For Class 54 Rating, Add	*2,021.75*	
		For Class 55 Rating, Add	*3,013.15*	
		For Class 56 Rating, Add	*3,991.17*	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,946.35	804.43
		For Class 52 Rating, Deduct	*-1,510.03*	
		For Class 54 Rating, Add	*2,073.75*	
		For Class 55 Rating, Add	*3,090.49*	
		For Class 56 Rating, Add	*4,093.49*	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,297.05	807.32
		For Class 52 Rating, Deduct	*-1,548.12*	
		For Class 54 Rating, Add	*2,125.75*	
		For Class 55 Rating, Add	*3,167.82*	
		For Class 56 Rating, Add	*4,195.82*	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,647.73	810.20
		For Class 52 Rating, Deduct	*-1,586.22*	
		For Class 54 Rating, Add	*2,177.75*	
		For Class 55 Rating, Add	*3,245.16*	
		For Class 56 Rating, Add	*4,298.14*	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,998.43	813.08
		For Class 52 Rating, Deduct	*-1,624.31*	
		For Class 54 Rating, Add	*2,229.76*	
		For Class 55 Rating, Add	*3,322.49*	
		For Class 56 Rating, Add	*4,400.46*	
40 05 19 00-1383	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,349.12	815.97
		For Class 52 Rating, Deduct	*-1,662.41*	
		For Class 54 Rating, Add	*2,281.76*	
		For Class 55 Rating, Add	*3,399.83*	
		For Class 56 Rating, Add	*4,502.79*	
40 05 19 00-1384	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,699.82	818.85
		For Class 52 Rating, Deduct	*-1,700.51*	
		For Class 54 Rating, Add	*2,333.76*	
		For Class 55 Rating, Add	*3,477.16*	
		For Class 56 Rating, Add	*4,605.11*	

40 05 19 00-1385 24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1386	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,578.26	841.91
		For Class 52 Rating, Deduct	*-363.29*	
		For Class 54 Rating, Add	*510.70*	
		For Class 55 Rating, Add	*767.10*	
		For Class 56 Rating, Add	*1,020.20*	
40 05 19 00-1387	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,011.78	844.80
		For Class 52 Rating, Deduct	*-410.50*	
		For Class 54 Rating, Add	*575.13*	
		For Class 55 Rating, Add	*862.91*	
		For Class 56 Rating, Add	*1,146.96*	
40 05 19 00-1388	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,445.29	847.69
		For Class 52 Rating, Deduct	*-457.70*	
		For Class 54 Rating, Add	*639.55*	
		For Class 55 Rating, Add	*958.71*	
		For Class 56 Rating, Add	*1,273.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1389	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,878.80	850.56
		For Class 52 Rating, Deduct	*-504.91*	
		For Class 54 Rating, Add	*703.97*	
		For Class 55 Rating, Add	*1,054.51*	
		For Class 56 Rating, Add	*1,400.46*	
40 05 19 00-1390	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,312.30	853.44
		For Class 52 Rating, Deduct	*-552.11*	
		For Class 54 Rating, Add	*768.40*	
		For Class 55 Rating, Add	*1,150.32*	
		For Class 56 Rating, Add	*1,527.22*	
40 05 19 00-1391	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,745.81	856.34
		For Class 52 Rating, Deduct	*-599.32*	
		For Class 54 Rating, Add	*832.82*	
		For Class 55 Rating, Add	*1,246.12*	
		For Class 56 Rating, Add	*1,653.97*	
40 05 19 00-1392	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,179.32	859.22
		For Class 52 Rating, Deduct	*-646.52*	
		For Class 54 Rating, Add	*897.24*	
		For Class 55 Rating, Add	*1,341.92*	
		For Class 56 Rating, Add	*1,780.72*	
40 05 19 00-1393	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,612.83	862.09
		For Class 52 Rating, Deduct	*-693.73*	
		For Class 54 Rating, Add	*961.67*	
		For Class 55 Rating, Add	*1,437.73*	
		For Class 56 Rating, Add	*1,907.48*	
40 05 19 00-1394	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,046.35	864.99
		For Class 52 Rating, Deduct	*-740.93*	
		For Class 54 Rating, Add	*1,026.09*	
		For Class 55 Rating, Add	*1,533.53*	
		For Class 56 Rating, Add	*2,034.23*	
40 05 19 00-1395	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,479.86	867.87
		For Class 52 Rating, Deduct	*-788.14*	
		For Class 54 Rating, Add	*1,090.52*	
		For Class 55 Rating, Add	*1,629.33*	
		For Class 56 Rating, Add	*2,160.99*	
40 05 19 00-1396	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,913.37	870.74
		For Class 52 Rating, Deduct	*-835.35*	
		For Class 54 Rating, Add	*1,154.94*	
		For Class 55 Rating, Add	*1,725.14*	
		For Class 56 Rating, Add	*2,287.74*	
40 05 19 00-1397	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,346.88	873.63
		For Class 52 Rating, Deduct	*-882.55*	
		For Class 54 Rating, Add	*1,219.36*	
		For Class 55 Rating, Add	*1,820.94*	
		For Class 56 Rating, Add	*2,414.49*	
40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,780.39	876.52
		For Class 52 Rating, Deduct	*-929.76*	
		For Class 54 Rating, Add	*1,283.79*	
		For Class 55 Rating, Add	*1,916.74*	
		For Class 56 Rating, Add	*2,541.25*	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,213.89	879.40
		For Class 52 Rating, Deduct	*-976.96*	
		For Class 54 Rating, Add	*1,348.21*	
		For Class 55 Rating, Add	*2,012.55*	
		For Class 56 Rating, Add	*2,668.00*	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,647.41	882.27
		For Class 52 Rating, Deduct	*-1,024.17*	
		For Class 54 Rating, Add	*1,412.63*	
		For Class 55 Rating, Add	*2,108.35*	
		For Class 56 Rating, Add	*2,794.76*	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,080.92	885.17
		For Class 52 Rating, Deduct	*-1,071.37*	
		For Class 54 Rating, Add	*1,477.06*	
		For Class 55 Rating, Add	*2,204.15*	
		For Class 56 Rating, Add	*2,921.51*	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,514.43	888.05
		For Class 52 Rating, Deduct	*-1,118.58*	
		For Class 54 Rating, Add	*1,541.48*	
		For Class 55 Rating, Add	*2,299.96*	
		For Class 56 Rating, Add	*3,048.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,947.94	890.92
		For Class 52 Rating, Deduct	*-1,165.78*	
		For Class 54 Rating, Add	*1,605.90*	
		For Class 55 Rating, Add	*2,395.76*	
		For Class 56 Rating, Add	*3,175.02*	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,381.45	893.82
		For Class 52 Rating, Deduct	*-1,212.99*	
		For Class 54 Rating, Add	*1,670.33*	
		For Class 55 Rating, Add	*2,491.56*	
		For Class 56 Rating, Add	*3,301.77*	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,814.96	896.70
		For Class 52 Rating, Deduct	*-1,260.20*	
		For Class 54 Rating, Add	*1,734.75*	
		For Class 55 Rating, Add	*2,587.37*	
		For Class 56 Rating, Add	*3,428.53*	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,248.48	899.58
		For Class 52 Rating, Deduct	*-1,307.40*	
		For Class 54 Rating, Add	*1,799.18*	
		For Class 55 Rating, Add	*2,683.17*	
		For Class 56 Rating, Add	*3,555.28*	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,681.98	902.46
		For Class 52 Rating, Deduct	*-1,354.61*	
		For Class 54 Rating, Add	*1,863.60*	
		For Class 55 Rating, Add	*2,778.97*	
		For Class 56 Rating, Add	*3,682.04*	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,115.49	905.35
		For Class 52 Rating, Deduct	*-1,401.81*	
		For Class 54 Rating, Add	*1,928.02*	
		For Class 55 Rating, Add	*2,874.78*	
		For Class 56 Rating, Add	*3,808.79*	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,549.00	908.23
		For Class 52 Rating, Deduct	*-1,449.02*	
		For Class 54 Rating, Add	*1,992.45*	
		For Class 55 Rating, Add	*2,970.58*	
		For Class 56 Rating, Add	*3,935.54*	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,982.51	911.12
		For Class 52 Rating, Deduct	*-1,496.22*	
		For Class 54 Rating, Add	*2,056.87*	
		For Class 55 Rating, Add	*3,066.38*	
		For Class 56 Rating, Add	*4,062.30*	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,416.02	914.00
		For Class 52 Rating, Deduct	*-1,543.43*	
		For Class 54 Rating, Add	*2,121.29*	
		For Class 55 Rating, Add	*3,162.19*	
		For Class 56 Rating, Add	*4,189.05*	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,849.53	916.88
		For Class 52 Rating, Deduct	*-1,590.64*	
		For Class 54 Rating, Add	*2,185.72*	
		For Class 55 Rating, Add	*3,257.99*	
		For Class 56 Rating, Add	*4,315.81*	
40 05 19 00-1413	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,283.04	919.77
		For Class 52 Rating, Deduct	*-1,637.84*	
		For Class 54 Rating, Add	*2,250.14*	
		For Class 55 Rating, Add	*3,353.80*	
		For Class 56 Rating, Add	*4,442.56*	
40 05 19 00-1414	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,716.55	922.65
		For Class 52 Rating, Deduct	*-1,685.05*	
		For Class 54 Rating, Add	*2,314.57*	
		For Class 55 Rating, Add	*3,449.60*	
		For Class 56 Rating, Add	*4,569.31*	
40 05 19 00-1415	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,224.33	974.54
		For Class 52 Rating, Deduct	*-1,732.25*	
		For Class 54 Rating, Add	*2,379.88*	
		For Class 55 Rating, Add	*3,547.18*	
		For Class 56 Rating, Add	*4,698.74*	
40 05 19 00-1416	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,657.84	977.42
		For Class 52 Rating, Deduct	*-1,779.46*	
		For Class 54 Rating, Add	*2,444.30*	
		For Class 55 Rating, Add	*3,642.99*	
		For Class 56 Rating, Add	*4,825.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1417	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,091.34	980.32
		For Class 52 Rating, Deduct	*-1,826.66*	
		For Class 54 Rating, Add	*2,508.73*	
		For Class 55 Rating, Add	*3,738.79*	
		For Class 56 Rating, Add	*4,952.25*	
40 05 19 00-1418	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,524.85	983.20
		For Class 52 Rating, Deduct	*-1,873.87*	
		For Class 54 Rating, Add	*2,573.15*	
		For Class 55 Rating, Add	*3,834.59*	
		For Class 56 Rating, Add	*5,079.00*	
40 05 19 00-1419	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,958.37	986.07
		For Class 52 Rating, Deduct	*-1,921.07*	
		For Class 54 Rating, Add	*2,637.58*	
		For Class 55 Rating, Add	*3,930.40*	
		For Class 56 Rating, Add	*5,205.76*	
40 05 19 00-1420	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,391.88	988.97
		For Class 52 Rating, Deduct	*-1,968.28*	
		For Class 54 Rating, Add	*2,702.00*	
		For Class 55 Rating, Add	*4,026.20*	
		For Class 56 Rating, Add	*5,332.51*	
40 05 19 00-1421	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,825.39	991.85
		For Class 52 Rating, Deduct	*-2,015.48*	
		For Class 54 Rating, Add	*2,766.42*	
		For Class 55 Rating, Add	*4,122.00*	
		For Class 56 Rating, Add	*5,459.26*	
40 05 19 00-1422	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,258.90	994.72
		For Class 52 Rating, Deduct	*-2,062.69*	
		For Class 54 Rating, Add	*2,830.85*	
		For Class 55 Rating, Add	*4,217.81*	
		For Class 56 Rating, Add	*5,586.02*	
40 05 19 00-1423	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,692.41	997.62
		For Class 52 Rating, Deduct	*-2,109.90*	
		For Class 54 Rating, Add	*2,895.27*	
		For Class 55 Rating, Add	*4,313.61*	
		For Class 56 Rating, Add	*5,712.77*	

40 05 19 00-1424 30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1425	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,019.83	1,187.92
		For Class 52 Rating, Deduct	*-574.20*	
		For Class 54 Rating, Add	*804.59*	
		For Class 55 Rating, Add	*1,207.25*	
		For Class 56 Rating, Add	*1,604.69*	
40 05 19 00-1426	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,644.07	1,190.79
		For Class 52 Rating, Deduct	*-642.38*	
		For Class 54 Rating, Add	*897.63*	
		For Class 55 Rating, Add	*1,345.59*	
		For Class 56 Rating, Add	*1,787.71*	
40 05 19 00-1427	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,268.31	1,193.67
		For Class 52 Rating, Deduct	*-710.57*	
		For Class 54 Rating, Add	*990.66*	
		For Class 55 Rating, Add	*1,483.92*	
		For Class 56 Rating, Add	*1,970.72*	
40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,892.55	1,196.57
		For Class 52 Rating, Deduct	*-778.75*	
		For Class 54 Rating, Add	*1,083.69*	
		For Class 55 Rating, Add	*1,622.26*	
		For Class 56 Rating, Add	*2,153.74*	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,516.79	1,199.45
		For Class 52 Rating, Deduct	*-846.94*	
		For Class 54 Rating, Add	*1,176.73*	
		For Class 55 Rating, Add	*1,760.59*	
		For Class 56 Rating, Add	*2,336.76*	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,141.03	1,202.32
		For Class 52 Rating, Deduct	*-915.13*	
		For Class 54 Rating, Add	*1,269.76*	
		For Class 55 Rating, Add	*1,898.93*	
		For Class 56 Rating, Add	*2,519.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,765.28	1,205.21
		For Class 52 Rating, Deduct	*-983.31*	
		For Class 54 Rating, Add	*1,362.79*	
		For Class 55 Rating, Add	*2,037.27*	
		For Class 56 Rating, Add	*2,702.80*	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,389.51	1,208.10
		For Class 52 Rating, Deduct	*-1,051.50*	
		For Class 54 Rating, Add	*1,455.83*	
		For Class 55 Rating, Add	*2,175.60*	
		For Class 56 Rating, Add	*2,885.82*	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,013.75	1,210.97
		For Class 52 Rating, Deduct	*-1,119.68*	
		For Class 54 Rating, Add	*1,548.86*	
		For Class 55 Rating, Add	*2,313.94*	
		For Class 56 Rating, Add	*3,068.84*	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,637.99	1,213.85
		For Class 52 Rating, Deduct	*-1,187.87*	
		For Class 54 Rating, Add	*1,641.89*	
		For Class 55 Rating, Add	*2,452.27*	
		For Class 56 Rating, Add	*3,251.86*	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,262.23	1,216.75
		For Class 52 Rating, Deduct	*-1,256.05*	
		For Class 54 Rating, Add	*1,734.92*	
		For Class 55 Rating, Add	*2,590.61*	
		For Class 56 Rating, Add	*3,434.88*	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,886.47	1,219.63
		For Class 52 Rating, Deduct	*-1,324.24*	
		For Class 54 Rating, Add	*1,827.96*	
		For Class 55 Rating, Add	*2,728.95*	
		For Class 56 Rating, Add	*3,617.90*	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,510.71	1,222.50
		For Class 52 Rating, Deduct	*-1,392.43*	
		For Class 54 Rating, Add	*1,920.99*	
		For Class 55 Rating, Add	*2,867.28*	
		For Class 56 Rating, Add	*3,800.92*	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,134.95	1,225.40
		For Class 52 Rating, Deduct	*-1,460.61*	
		For Class 54 Rating, Add	*2,014.02*	
		For Class 55 Rating, Add	*3,005.62*	
		For Class 56 Rating, Add	*3,983.94*	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,759.19	1,228.28
		For Class 52 Rating, Deduct	*-1,528.80*	
		For Class 54 Rating, Add	*2,107.06*	
		For Class 55 Rating, Add	*3,143.95*	
		For Class 56 Rating, Add	*4,166.95*	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,383.44	1,231.15
		For Class 52 Rating, Deduct	*-1,596.98*	
		For Class 54 Rating, Add	*2,200.09*	
		For Class 55 Rating, Add	*3,282.29*	
		For Class 56 Rating, Add	*4,349.98*	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,007.67	1,234.04
		For Class 52 Rating, Deduct	*-1,665.17*	
		For Class 54 Rating, Add	*2,293.12*	
		For Class 55 Rating, Add	*3,420.63*	
		For Class 56 Rating, Add	*4,532.99*	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,631.91	1,236.93
		For Class 52 Rating, Deduct	*-1,733.36*	
		For Class 54 Rating, Add	*2,386.16*	
		For Class 55 Rating, Add	*3,558.96*	
		For Class 56 Rating, Add	*4,716.01*	
40 05 19 00-1443	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,256.14	1,239.81
		For Class 52 Rating, Deduct	*-1,801.54*	
		For Class 54 Rating, Add	*2,479.19*	
		For Class 55 Rating, Add	*3,697.30*	
		For Class 56 Rating, Add	*4,899.03*	
40 05 19 00-1444	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,880.38	1,242.68
		For Class 52 Rating, Deduct	*-1,869.73*	
		For Class 54 Rating, Add	*2,572.22*	
		For Class 55 Rating, Add	*3,835.64*	
		For Class 56 Rating, Add	*5,082.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1445	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,504.62	1,245.58
		For Class 52 Rating, Deduct	*-1,937.91*	
		For Class 54 Rating, Add	*2,665.26*	
		For Class 55 Rating, Add	*3,973.97*	
		For Class 56 Rating, Add	*5,265.07*	
40 05 19 00-1446	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,128.86	1,248.46
		For Class 52 Rating, Deduct	*-2,006.10*	
		For Class 54 Rating, Add	*2,758.29*	
		For Class 55 Rating, Add	*4,112.31*	
		For Class 56 Rating, Add	*5,448.09*	
40 05 19 00-1447	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,753.10	1,251.33
		For Class 52 Rating, Deduct	*-2,074.28*	
		For Class 54 Rating, Add	*2,851.32*	
		For Class 55 Rating, Add	*4,250.64*	
		For Class 56 Rating, Add	*5,631.11*	
40 05 19 00-1448	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,377.35	1,254.22
		For Class 52 Rating, Deduct	*-2,142.47*	
		For Class 54 Rating, Add	*2,944.36*	
		For Class 55 Rating, Add	*4,388.98*	
		For Class 56 Rating, Add	*5,814.13*	
40 05 19 00-1449	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,001.59	1,257.11
		For Class 52 Rating, Deduct	*-2,210.66*	
		For Class 54 Rating, Add	*3,037.39*	
		For Class 55 Rating, Add	*4,527.32*	
		For Class 56 Rating, Add	*5,997.15*	
40 05 19 00-1450	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,625.82	1,259.99
		For Class 52 Rating, Deduct	*-2,278.84*	
		For Class 54 Rating, Add	*3,130.42*	
		For Class 55 Rating, Add	*4,665.65*	
		For Class 56 Rating, Add	*6,180.17*	
40 05 19 00-1451	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,250.06	1,262.87
		For Class 52 Rating, Deduct	*-2,347.03*	
		For Class 54 Rating, Add	*3,223.45*	
		For Class 55 Rating, Add	*4,803.99*	
		For Class 56 Rating, Add	*6,363.19*	
40 05 19 00-1452	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,874.30	1,265.76
		For Class 52 Rating, Deduct	*-2,415.21*	
		For Class 54 Rating, Add	*3,316.49*	
		For Class 55 Rating, Add	*4,942.32*	
		For Class 56 Rating, Add	*6,546.21*	
40 05 19 00-1453	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,498.54	1,268.64
		For Class 52 Rating, Deduct	*-2,483.40*	
		For Class 54 Rating, Add	*3,409.52*	
		For Class 55 Rating, Add	*5,080.66*	
		For Class 56 Rating, Add	*6,729.22*	
40 05 19 00-1454	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,122.78	1,271.53
		For Class 52 Rating, Deduct	*-2,551.59*	
		For Class 54 Rating, Add	*3,502.55*	
		For Class 55 Rating, Add	*5,219.00*	
		For Class 56 Rating, Add	*6,912.24*	
40 05 19 00-1455	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,747.02	1,274.41
		For Class 52 Rating, Deduct	*-2,619.77*	
		For Class 54 Rating, Add	*3,595.59*	
		For Class 55 Rating, Add	*5,357.33*	
		For Class 56 Rating, Add	*7,095.26*	
40 05 19 00-1456	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,371.27	1,277.29
		For Class 52 Rating, Deduct	*-2,687.96*	
		For Class 54 Rating, Add	*3,688.62*	
		For Class 55 Rating, Add	*5,495.67*	
		For Class 56 Rating, Add	*7,278.28*	
40 05 19 00-1457	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,995.51	1,280.18
		For Class 52 Rating, Deduct	*-2,756.14*	
		For Class 54 Rating, Add	*3,781.65*	
		For Class 55 Rating, Add	*5,634.01*	
		For Class 56 Rating, Add	*7,461.30*	
40 05 19 00-1458	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,619.74	1,283.05
		For Class 52 Rating, Deduct	*-2,824.33*	
		For Class 54 Rating, Add	*3,874.69*	
		For Class 55 Rating, Add	*5,772.34*	
		For Class 56 Rating, Add	*7,644.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1459	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,243.98	1,285.94
		For Class 52 Rating, Deduct	*-2,892.51*	
		For Class 54 Rating, Add	*3,967.72*	
		For Class 55 Rating, Add	*5,910.68*	
		For Class 56 Rating, Add	*7,827.34*	
40 05 19 00-1460	EA	30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,868.22	1,288.82
		For Class 52 Rating, Deduct	*-2,960.70*	
		For Class 54 Rating, Add	*4,060.75*	
		For Class 55 Rating, Add	*6,049.01*	
		For Class 56 Rating, Add	*8,010.36*	
40 05 19 00-1461	EA	30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,492.46	1,291.72
		For Class 52 Rating, Deduct	*-3,028.89*	
		For Class 54 Rating, Add	*4,153.79*	
		For Class 55 Rating, Add	*6,187.35*	
		For Class 56 Rating, Add	*8,193.38*	
40 05 19 00-1462	EA	30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,116.70	1,294.59
		For Class 52 Rating, Deduct	*-3,097.07*	
		For Class 54 Rating, Add	*4,246.82*	
		For Class 55 Rating, Add	*6,325.69*	
		For Class 56 Rating, Add	*8,376.40*	

40 05 19 00-1463 36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1464	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,713.85	1,505.07
		For Class 52 Rating, Deduct	*-817.68*	
		For Class 54 Rating, Add	*1,142.38*	
		For Class 55 Rating, Add	*1,712.39*	
		For Class 56 Rating, Add	*2,274.96*	
40 05 19 00-1465	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,561.44	1,507.96
		For Class 52 Rating, Deduct	*-910.43*	
		For Class 54 Rating, Add	*1,268.92*	
		For Class 55 Rating, Add	*1,900.53*	
		For Class 56 Rating, Add	*2,523.87*	
40 05 19 00-1466	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,409.04	1,510.83
		For Class 52 Rating, Deduct	*-1,003.19*	
		For Class 54 Rating, Add	*1,395.45*	
		For Class 55 Rating, Add	*2,088.68*	
		For Class 56 Rating, Add	*2,772.78*	
40 05 19 00-1467	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,256.62	1,513.72
		For Class 52 Rating, Deduct	*-1,095.94*	
		For Class 54 Rating, Add	*1,521.99*	
		For Class 55 Rating, Add	*2,276.82*	
		For Class 56 Rating, Add	*3,021.68*	
40 05 19 00-1468	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,104.22	1,516.61
		For Class 52 Rating, Deduct	*-1,188.70*	
		For Class 54 Rating, Add	*1,648.53*	
		For Class 55 Rating, Add	*2,464.96*	
		For Class 56 Rating, Add	*3,270.59*	
40 05 19 00-1469	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,951.81	1,519.48
		For Class 52 Rating, Deduct	*-1,281.45*	
		For Class 54 Rating, Add	*1,775.06*	
		For Class 55 Rating, Add	*2,653.11*	
		For Class 56 Rating, Add	*3,519.50*	
40 05 19 00-1470	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,799.41	1,522.37
		For Class 52 Rating, Deduct	*-1,374.21*	
		For Class 54 Rating, Add	*1,901.60*	
		For Class 55 Rating, Add	*2,841.25*	
		For Class 56 Rating, Add	*3,768.41*	
40 05 19 00-1471	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,647.00	1,525.25
		For Class 52 Rating, Deduct	*-1,466.96*	
		For Class 54 Rating, Add	*2,028.13*	
		For Class 55 Rating, Add	*3,029.39*	
		For Class 56 Rating, Add	*4,017.32*	
40 05 19 00-1472	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,494.60	1,528.14
		For Class 52 Rating, Deduct	*-1,559.72*	
		For Class 54 Rating, Add	*2,154.67*	
		For Class 55 Rating, Add	*3,217.54*	
		For Class 56 Rating, Add	*4,266.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,342.20	1,531.02
		For Class 52 Rating, Deduct	*-1,652.47*	
		For Class 54 Rating, Add	*2,281.21*	
		For Class 55 Rating, Add	*3,405.68*	
		For Class 56 Rating, Add	*4,515.14*	
40 05 19 00-1474	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,189.79	1,533.90
		For Class 52 Rating, Deduct	*-1,745.23*	
		For Class 54 Rating, Add	*2,407.74*	
		For Class 55 Rating, Add	*3,593.83*	
		For Class 56 Rating, Add	*4,764.05*	
40 05 19 00-1475	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,037.39	1,536.79
		For Class 52 Rating, Deduct	*-1,837.98*	
		For Class 54 Rating, Add	*2,534.28*	
		For Class 55 Rating, Add	*3,781.97*	
		For Class 56 Rating, Add	*5,012.96*	
40 05 19 00-1476	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,884.97	1,539.66
		For Class 52 Rating, Deduct	*-1,930.74*	
		For Class 54 Rating, Add	*2,660.81*	
		For Class 55 Rating, Add	*3,970.12*	
		For Class 56 Rating, Add	*5,261.86*	
40 05 19 00-1477	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,732.57	1,542.55
		For Class 52 Rating, Deduct	*-2,023.49*	
		For Class 54 Rating, Add	*2,787.35*	
		For Class 55 Rating, Add	*4,158.26*	
		For Class 56 Rating, Add	*5,510.77*	
40 05 19 00-1478	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,580.16	1,545.44
		For Class 52 Rating, Deduct	*-2,116.24*	
		For Class 54 Rating, Add	*2,913.89*	
		For Class 55 Rating, Add	*4,346.40*	
		For Class 56 Rating, Add	*5,759.68*	
40 05 19 00-1479	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,427.76	1,548.32
		For Class 52 Rating, Deduct	*-2,209.00*	
		For Class 54 Rating, Add	*3,040.42*	
		For Class 55 Rating, Add	*4,534.55*	
		For Class 56 Rating, Add	*6,008.59*	
40 05 19 00-1480	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,275.35	1,551.20
		For Class 52 Rating, Deduct	*-2,301.75*	
		For Class 54 Rating, Add	*3,166.96*	
		For Class 55 Rating, Add	*4,722.69*	
		For Class 56 Rating, Add	*6,257.50*	
40 05 19 00-1481	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,122.95	1,554.08
		For Class 52 Rating, Deduct	*-2,394.51*	
		For Class 54 Rating, Add	*3,293.50*	
		For Class 55 Rating, Add	*4,910.84*	
		For Class 56 Rating, Add	*6,506.41*	
40 05 19 00-1482	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,970.55	1,556.97
		For Class 52 Rating, Deduct	*-2,487.27*	
		For Class 54 Rating, Add	*3,420.03*	
		For Class 55 Rating, Add	*5,098.98*	
		For Class 56 Rating, Add	*6,755.32*	
40 05 19 00-1483	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,818.14	1,559.86
		For Class 52 Rating, Deduct	*-2,580.02*	
		For Class 54 Rating, Add	*3,546.57*	
		For Class 55 Rating, Add	*5,287.12*	
		For Class 56 Rating, Add	*7,004.23*	
40 05 19 00-1484	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,665.73	1,562.73
		For Class 52 Rating, Deduct	*-2,672.77*	
		For Class 54 Rating, Add	*3,673.11*	
		For Class 55 Rating, Add	*5,475.27*	
		For Class 56 Rating, Add	*7,253.14*	
40 05 19 00-1485	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,513.31	1,565.62
		For Class 52 Rating, Deduct	*-2,765.53*	
		For Class 54 Rating, Add	*3,799.64*	
		For Class 55 Rating, Add	*5,663.41*	
		For Class 56 Rating, Add	*7,502.04*	
40 05 19 00-1486	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,360.91	1,568.51
		For Class 52 Rating, Deduct	*-2,858.28*	
		For Class 54 Rating, Add	*3,926.18*	
		For Class 55 Rating, Add	*5,851.56*	
		For Class 56 Rating, Add	*7,750.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1487	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,208.50	1,571.38
		For Class 52 Rating, Deduct	*-2,951.04*	
		For Class 54 Rating, Add	*4,052.71*	
		For Class 55 Rating, Add	*6,039.70*	
		For Class 56 Rating, Add	*7,999.86*	
40 05 19 00-1488	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,056.10	1,574.27
		For Class 52 Rating, Deduct	*-3,043.79*	
		For Class 54 Rating, Add	*4,179.25*	
		For Class 55 Rating, Add	*6,227.85*	
		For Class 56 Rating, Add	*8,248.77*	
40 05 19 00-1489	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,903.70	1,577.15
		For Class 52 Rating, Deduct	*-3,136.55*	
		For Class 54 Rating, Add	*4,305.79*	
		For Class 55 Rating, Add	*6,415.99*	
		For Class 56 Rating, Add	*8,497.68*	
40 05 19 00-1490	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,751.29	1,580.04
		For Class 52 Rating, Deduct	*-3,229.30*	
		For Class 54 Rating, Add	*4,432.32*	
		For Class 55 Rating, Add	*6,604.13*	
		For Class 56 Rating, Add	*8,746.59*	
40 05 19 00-1491	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,598.89	1,582.91
		For Class 52 Rating, Deduct	*-3,322.06*	
		For Class 54 Rating, Add	*4,558.86*	
		For Class 55 Rating, Add	*6,792.28*	
		For Class 56 Rating, Add	*8,995.50*	
40 05 19 00-1492	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,446.48	1,585.80
		For Class 52 Rating, Deduct	*-3,414.81*	
		For Class 54 Rating, Add	*4,685.40*	
		For Class 55 Rating, Add	*6,980.42*	
		For Class 56 Rating, Add	*9,244.40*	
40 05 19 00-1493	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,294.07	1,588.69
		For Class 52 Rating, Deduct	*-3,507.57*	
		For Class 54 Rating, Add	*4,811.93*	
		For Class 55 Rating, Add	*7,168.57*	
		For Class 56 Rating, Add	*9,493.31*	
40 05 19 00-1494	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,141.66	1,591.56
		For Class 52 Rating, Deduct	*-3,600.32*	
		For Class 54 Rating, Add	*4,938.47*	
		For Class 55 Rating, Add	*7,356.71*	
		For Class 56 Rating, Add	*9,742.22*	
40 05 19 00-1495	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,989.26	1,594.45
		For Class 52 Rating, Deduct	*-3,693.08*	
		For Class 54 Rating, Add	*5,065.00*	
		For Class 55 Rating, Add	*7,544.85*	
		For Class 56 Rating, Add	*9,991.13*	
40 05 19 00-1496	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,836.85	1,597.34
		For Class 52 Rating, Deduct	*-3,785.83*	
		For Class 54 Rating, Add	*5,191.54*	
		For Class 55 Rating, Add	*7,733.00*	
		For Class 56 Rating, Add	*10,240.04*	
40 05 19 00-1497	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,684.45	1,600.22
		For Class 52 Rating, Deduct	*-3,878.59*	
		For Class 54 Rating, Add	*5,318.08*	
		For Class 55 Rating, Add	*7,921.14*	
		For Class 56 Rating, Add	*10,488.95*	
40 05 19 00-1498	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,532.05	1,603.10
		For Class 52 Rating, Deduct	*-3,971.34*	
		For Class 54 Rating, Add	*5,444.61*	
		For Class 55 Rating, Add	*8,109.29*	
		For Class 56 Rating, Add	*10,737.86*	
40 05 19 00-1499	EA	36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,379.64	1,605.98
		For Class 52 Rating, Deduct	*-4,064.10*	
		For Class 54 Rating, Add	*5,571.15*	
		For Class 55 Rating, Add	*8,297.43*	
		For Class 56 Rating, Add	*10,986.77*	
40 05 19 00-1500	EA	36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,227.24	1,608.87
		For Class 52 Rating, Deduct	*-4,156.85*	
		For Class 54 Rating, Add	*5,697.69*	
		For Class 55 Rating, Add	*8,485.58*	
		For Class 56 Rating, Add	*11,235.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1501	EA	36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,074.83	1,611.74
		For Class 52 Rating, Deduct	*-4,249.61*	
		For Class 54 Rating, Add	*5,824.22*	
		For Class 55 Rating, Add	*8,673.72*	
		For Class 56 Rating, Add	*11,484.58*	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1503	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,840.15	1,897.20
		For Class 52 Rating, Deduct	*-1,096.22*	
		For Class 54 Rating, Add	*1,529.34*	
		For Class 55 Rating, Add	*2,291.32*	
		For Class 56 Rating, Add	*3,043.34*	
40 05 19 00-1504	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,104.34	1,900.07
		For Class 52 Rating, Deduct	*-1,234.80*	
		For Class 54 Rating, Add	*1,718.36*	
		For Class 55 Rating, Add	*2,572.37*	
		For Class 56 Rating, Add	*3,415.15*	
40 05 19 00-1505	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,353.47	1,902.96
		For Class 52 Rating, Deduct	*-1,371.72*	
		For Class 54 Rating, Add	*1,905.13*	
		For Class 55 Rating, Add	*2,850.05*	
		For Class 56 Rating, Add	*3,782.51*	
40 05 19 00-1506	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,615.15	1,905.85
		For Class 52 Rating, Deduct	*-1,510.03*	
		For Class 54 Rating, Add	*2,093.78*	
		For Class 55 Rating, Add	*3,130.54*	
		For Class 56 Rating, Add	*4,153.57*	
40 05 19 00-1507	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,864.28	1,908.73
		For Class 52 Rating, Deduct	*-1,646.95*	
		For Class 54 Rating, Add	*2,280.54*	
		For Class 55 Rating, Add	*3,408.22*	
		For Class 56 Rating, Add	*4,520.93*	
40 05 19 00-1508	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,128.47	1,911.60
		For Class 52 Rating, Deduct	*-1,785.53*	
		For Class 54 Rating, Add	*2,469.57*	
		For Class 55 Rating, Add	*3,689.27*	
		For Class 56 Rating, Add	*4,892.74*	
40 05 19 00-1509	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,375.09	1,914.50
		For Class 52 Rating, Deduct	*-1,922.18*	
		For Class 54 Rating, Add	*2,655.96*	
		For Class 55 Rating, Add	*3,966.40*	
		For Class 56 Rating, Add	*5,259.36*	
40 05 19 00-1510	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,639.28	1,917.38
		For Class 52 Rating, Deduct	*-2,060.76*	
		For Class 54 Rating, Add	*2,844.99*	
		For Class 55 Rating, Add	*4,247.44*	
		For Class 56 Rating, Add	*5,631.16*	
40 05 19 00-1511	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,888.41	1,920.26
		For Class 52 Rating, Deduct	*-2,197.68*	
		For Class 54 Rating, Add	*3,031.75*	
		For Class 55 Rating, Add	*4,525.13*	
		For Class 56 Rating, Add	*5,998.53*	
40 05 19 00-1512	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,150.09	1,923.14
		For Class 52 Rating, Deduct	*-2,335.99*	
		For Class 54 Rating, Add	*3,220.40*	
		For Class 55 Rating, Add	*4,805.61*	
		For Class 56 Rating, Add	*6,369.59*	
40 05 19 00-1513	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,399.22	1,926.03
		For Class 52 Rating, Deduct	*-2,472.91*	
		For Class 54 Rating, Add	*3,407.17*	
		For Class 55 Rating, Add	*5,083.30*	
		For Class 56 Rating, Add	*6,736.95*	
40 05 19 00-1514	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,660.90	1,928.91
		For Class 52 Rating, Deduct	*-2,611.21*	
		For Class 54 Rating, Add	*3,595.82*	
		For Class 55 Rating, Add	*5,363.79*	
		For Class 56 Rating, Add	*7,108.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1515	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,910.03	1,931.79
		For Class 52 Rating, Deduct	*-2,748.14*	
		For Class 54 Rating, Add	*3,782.58*	
		For Class 55 Rating, Add	*5,641.47*	
		For Class 56 Rating, Add	*7,475.38*	
40 05 19 00-1516	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,161.67	1,934.68
		For Class 52 Rating, Deduct	*-2,885.34*	
		For Class 54 Rating, Add	*3,969.73*	
		For Class 55 Rating, Add	*5,919.72*	
		For Class 56 Rating, Add	*7,843.48*	
40 05 19 00-1517	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,420.84	1,937.56
		For Class 52 Rating, Deduct	*-3,023.37*	
		For Class 54 Rating, Add	*4,158.00*	
		For Class 55 Rating, Add	*6,199.64*	
		For Class 56 Rating, Add	*8,213.80*	
40 05 19 00-1518	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,669.97	1,940.45
		For Class 52 Rating, Deduct	*-3,160.29*	
		For Class 54 Rating, Add	*4,344.77*	
		For Class 55 Rating, Add	*6,477.33*	
		For Class 56 Rating, Add	*8,581.16*	
40 05 19 00-1519	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,934.16	1,943.33
		For Class 52 Rating, Deduct	*-3,298.87*	
		For Class 54 Rating, Add	*4,533.79*	
		For Class 55 Rating, Add	*6,758.37*	
		For Class 56 Rating, Add	*8,952.97*	
40 05 19 00-1520	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,183.28	1,946.21
		For Class 52 Rating, Deduct	*-3,435.79*	
		For Class 54 Rating, Add	*4,720.56*	
		For Class 55 Rating, Add	*7,036.06*	
		For Class 56 Rating, Add	*9,320.33*	
40 05 19 00-1521	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,444.96	1,949.09
		For Class 52 Rating, Deduct	*-3,574.10*	
		For Class 54 Rating, Add	*4,909.21*	
		For Class 55 Rating, Add	*7,316.55*	
		For Class 56 Rating, Add	*9,691.39*	
40 05 19 00-1522	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,694.09	1,951.97
		For Class 52 Rating, Deduct	*-3,711.02*	
		For Class 54 Rating, Add	*5,095.97*	
		For Class 55 Rating, Add	*7,594.23*	
		For Class 56 Rating, Add	*10,058.75*	
40 05 19 00-1523	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,958.28	1,954.86
		For Class 52 Rating, Deduct	*-3,849.60*	
		For Class 54 Rating, Add	*5,285.00*	
		For Class 55 Rating, Add	*7,875.28*	
		For Class 56 Rating, Add	*10,430.56*	
40 05 19 00-1524	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,207.41	1,957.74
		For Class 52 Rating, Deduct	*-3,986.52*	
		For Class 54 Rating, Add	*5,471.76*	
		For Class 55 Rating, Add	*8,152.96*	
		For Class 56 Rating, Add	*10,797.92*	
40 05 19 00-1525	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,469.09	1,960.64
		For Class 52 Rating, Deduct	*-4,124.83*	
		For Class 54 Rating, Add	*5,660.41*	
		For Class 55 Rating, Add	*8,433.45*	
		For Class 56 Rating, Add	*11,168.98*	
40 05 19 00-1526	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,718.22	1,963.51
		For Class 52 Rating, Deduct	*-4,261.75*	
		For Class 54 Rating, Add	*5,847.18*	
		For Class 55 Rating, Add	*8,711.13*	
		For Class 56 Rating, Add	*11,536.34*	
40 05 19 00-1527	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,982.41	1,966.39
		For Class 52 Rating, Deduct	*-4,400.33*	
		For Class 54 Rating, Add	*6,036.21*	
		For Class 55 Rating, Add	*8,992.18*	
		For Class 56 Rating, Add	*11,908.15*	
40 05 19 00-1528	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,231.54	1,969.28
		For Class 52 Rating, Deduct	*-4,537.26*	
		For Class 54 Rating, Add	*6,222.97*	
		For Class 55 Rating, Add	*9,269.87*	
		For Class 56 Rating, Add	*12,275.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1529	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,490.71	1,972.16
		For Class 52 Rating, Deduct	*-4,675.28*	
		For Class 54 Rating, Add	*6,411.25*	
		For Class 55 Rating, Add	*9,549.79*	
		For Class 56 Rating, Add	*12,645.84*	
40 05 19 00-1530	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,742.35	1,975.04
		For Class 52 Rating, Deduct	*-4,812.48*	
		For Class 54 Rating, Add	*6,598.39*	
		For Class 55 Rating, Add	*9,828.04*	
		For Class 56 Rating, Add	*13,013.94*	
40 05 19 00-1531	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,740.52	1,977.92
		For Class 52 Rating, Deduct	*-4,921.80*	
		For Class 54 Rating, Add	*6,747.51*	
		For Class 55 Rating, Add	*10,049.76*	
		For Class 56 Rating, Add	*13,307.27*	
40 05 19 00-1532	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,253.16	1,980.82
		For Class 52 Rating, Deduct	*-5,087.71*	
		For Class 54 Rating, Add	*6,973.80*	
		For Class 55 Rating, Add	*10,386.21*	
		For Class 56 Rating, Add	*13,752.36*	
40 05 19 00-1533	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,502.29	1,983.69
		For Class 52 Rating, Deduct	*-5,224.64*	
		For Class 54 Rating, Add	*7,160.57*	
		For Class 55 Rating, Add	*10,663.90*	
		For Class 56 Rating, Add	*14,119.73*	
40 05 19 00-1534	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,763.97	1,986.57
		For Class 52 Rating, Deduct	*-5,362.94*	
		For Class 54 Rating, Add	*7,349.22*	
		For Class 55 Rating, Add	*10,944.38*	
		For Class 56 Rating, Add	*14,490.79*	
40 05 19 00-1535	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,013.10	1,989.47
		For Class 52 Rating, Deduct	*-5,499.86*	
		For Class 54 Rating, Add	*7,535.99*	
		For Class 55 Rating, Add	*11,222.07*	
		For Class 56 Rating, Add	*14,858.15*	
40 05 19 00-1536	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,277.29	1,992.35
		For Class 52 Rating, Deduct	*-5,638.44*	
		For Class 54 Rating, Add	*7,725.01*	
		For Class 55 Rating, Add	*11,503.11*	
		For Class 56 Rating, Add	*15,229.95*	
40 05 19 00-1537	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,523.89	1,995.22
		For Class 52 Rating, Deduct	*-5,775.09*	
		For Class 54 Rating, Add	*7,911.40*	
		For Class 55 Rating, Add	*11,780.24*	
		For Class 56 Rating, Add	*15,596.58*	
40 05 19 00-1538	EA	42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,788.08	1,998.11
		For Class 52 Rating, Deduct	*-5,913.67*	
		For Class 54 Rating, Add	*8,100.43*	
		For Class 55 Rating, Add	*12,061.28*	
		For Class 56 Rating, Add	*15,968.38*	
40 05 19 00-1539	EA	42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,037.21	2,001.00
		For Class 52 Rating, Deduct	*-6,050.60*	
		For Class 54 Rating, Add	*8,287.19*	
		For Class 55 Rating, Add	*12,338.97*	
		For Class 56 Rating, Add	*16,335.74*	
40 05 19 00-1540	EA	42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,298.89	2,003.87
		For Class 52 Rating, Deduct	*-6,188.90*	
		For Class 54 Rating, Add	*8,475.84*	
		For Class 55 Rating, Add	*12,619.45*	
		For Class 56 Rating, Add	*16,706.80*	

40 05 19 00-1541 48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-1028)*

40 05 19 00-1542	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,572.40	2,384.46
		For Class 52 Rating, Deduct	*-1,425.55*	
		For Class 54 Rating, Add	*1,987.29*	
		For Class 55 Rating, Add	*2,976.69*	
		For Class 56 Rating, Add	*3,953.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1543	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,411.29	2,387.35
		For Class 52 Rating, Deduct	*-1,627.35*	
		For Class 54 Rating, Add	*2,262.52*	
		For Class 55 Rating, Add	*3,385.89*	
		For Class 56 Rating, Add	*4,494.48*	
40 05 19 00-1544	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,247.67	2,390.24
		For Class 52 Rating, Deduct	*-1,828.87*	
		For Class 54 Rating, Add	*2,537.37*	
		For Class 55 Rating, Add	*3,794.54*	
		For Class 56 Rating, Add	*5,035.08*	
40 05 19 00-1545	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,099.11	2,393.12
		For Class 52 Rating, Deduct	*-2,032.05*	
		For Class 54 Rating, Add	*2,814.49*	
		For Class 55 Rating, Add	*4,206.54*	
		For Class 56 Rating, Add	*5,580.12*	
40 05 19 00-1546	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,937.99	2,396.00
		For Class 52 Rating, Deduct	*-2,233.84*	
		For Class 54 Rating, Add	*3,089.72*	
		For Class 55 Rating, Add	*4,615.74*	
		For Class 56 Rating, Add	*6,121.46*	
40 05 19 00-1547	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,776.88	2,398.89
		For Class 52 Rating, Deduct	*-2,435.64*	
		For Class 54 Rating, Add	*3,364.95*	
		For Class 55 Rating, Add	*5,024.94*	
		For Class 56 Rating, Add	*6,662.80*	
40 05 19 00-1548	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,625.80	2,401.77
		For Class 52 Rating, Deduct	*-2,638.54*	
		For Class 54 Rating, Add	*3,641.68*	
		For Class 55 Rating, Add	*5,436.38*	
		For Class 56 Rating, Add	*7,207.10*	
40 05 19 00-1549	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,467.19	2,404.64
		For Class 52 Rating, Deduct	*-2,840.62*	
		For Class 54 Rating, Add	*3,917.29*	
		For Class 55 Rating, Add	*5,846.14*	
		For Class 56 Rating, Add	*7,749.18*	
40 05 19 00-1550	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,303.57	2,407.53
		For Class 52 Rating, Deduct	*-3,042.14*	
		For Class 54 Rating, Add	*4,192.14*	
		For Class 55 Rating, Add	*6,254.79*	
		For Class 56 Rating, Add	*8,289.78*	
40 05 19 00-1551	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,155.01	2,410.42
		For Class 52 Rating, Deduct	*-3,245.31*	
		For Class 54 Rating, Add	*4,469.25*	
		For Class 55 Rating, Add	*6,666.79*	
		For Class 56 Rating, Add	*8,834.82*	
40 05 19 00-1552	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,993.90	2,413.30
		For Class 52 Rating, Deduct	*-3,447.11*	
		For Class 54 Rating, Add	*4,744.49*	
		For Class 55 Rating, Add	*7,075.99*	
		For Class 56 Rating, Add	*9,376.16*	
40 05 19 00-1553	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,845.33	2,416.18
		For Class 52 Rating, Deduct	*-3,650.29*	
		For Class 54 Rating, Add	*5,021.60*	
		For Class 55 Rating, Add	*7,487.99*	
		For Class 56 Rating, Add	*9,921.20*	
40 05 19 00-1554	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,681.71	2,419.07
		For Class 52 Rating, Deduct	*-3,851.81*	
		For Class 54 Rating, Add	*5,296.45*	
		For Class 55 Rating, Add	*7,896.63*	
		For Class 56 Rating, Add	*10,461.80*	
40 05 19 00-1555	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,520.60	2,421.95
		For Class 52 Rating, Deduct	*-4,053.61*	
		For Class 54 Rating, Add	*5,571.68*	
		For Class 55 Rating, Add	*8,305.84*	
		For Class 56 Rating, Add	*11,003.14*	
40 05 19 00-1556	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,372.03	2,424.84
		For Class 52 Rating, Deduct	*-4,256.78*	
		For Class 54 Rating, Add	*5,848.79*	
		For Class 55 Rating, Add	*8,717.84*	
		For Class 56 Rating, Add	*11,548.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1557	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,210.90	2,427.72
		For Class 52 Rating, Deduct	*-4,458.58*	
		For Class 54 Rating, Add	*6,124.02*	
		For Class 55 Rating, Add	*9,127.04*	
		For Class 56 Rating, Add	*12,089.52*	
40 05 19 00-1558	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,047.28	2,430.60
		For Class 52 Rating, Deduct	*-4,660.10*	
		For Class 54 Rating, Add	*6,398.88*	
		For Class 55 Rating, Add	*9,535.68*	
		For Class 56 Rating, Add	*12,630.12*	
40 05 19 00-1559	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,898.71	2,433.49
		For Class 52 Rating, Deduct	*-4,863.28*	
		For Class 54 Rating, Add	*6,675.99*	
		For Class 55 Rating, Add	*9,947.68*	
		For Class 56 Rating, Add	*13,175.16*	
40 05 19 00-1560	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,737.60	2,436.36
		For Class 52 Rating, Deduct	*-5,065.08*	
		For Class 54 Rating, Add	*6,951.22*	
		For Class 55 Rating, Add	*10,356.88*	
		For Class 56 Rating, Add	*13,716.50*	
40 05 19 00-1561	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,573.98	2,439.25
		For Class 52 Rating, Deduct	*-5,266.60*	
		For Class 54 Rating, Add	*7,226.07*	
		For Class 55 Rating, Add	*10,765.53*	
		For Class 56 Rating, Add	*14,257.10*	
40 05 19 00-1562	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,425.41	2,442.13
		For Class 52 Rating, Deduct	*-5,469.77*	
		For Class 54 Rating, Add	*7,503.18*	
		For Class 55 Rating, Add	*11,177.53*	
		For Class 56 Rating, Add	*14,802.14*	
40 05 19 00-1563	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,266.81	2,445.02
		For Class 52 Rating, Deduct	*-5,671.85*	
		For Class 54 Rating, Add	*7,778.79*	
		For Class 55 Rating, Add	*11,587.29*	
		For Class 56 Rating, Add	*15,344.23*	
40 05 19 00-1564	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,103.19	2,447.90
		For Class 52 Rating, Deduct	*-5,873.37*	
		For Class 54 Rating, Add	*8,053.64*	
		For Class 55 Rating, Add	*11,995.93*	
		For Class 56 Rating, Add	*15,884.83*	
40 05 19 00-1565	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	58,954.63	2,450.78
		For Class 52 Rating, Deduct	*-6,076.55*	
		For Class 54 Rating, Add	*8,330.76*	
		For Class 55 Rating, Add	*12,407.93*	
		For Class 56 Rating, Add	*16,429.87*	
40 05 19 00-1566	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	60,793.50	2,453.67
		For Class 52 Rating, Deduct	*-6,278.34*	
		For Class 54 Rating, Add	*8,605.99*	
		For Class 55 Rating, Add	*12,817.13*	
		For Class 56 Rating, Add	*16,971.21*	
40 05 19 00-1567	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,629.88	2,456.55
		For Class 52 Rating, Deduct	*-6,479.86*	
		For Class 54 Rating, Add	*8,880.84*	
		For Class 55 Rating, Add	*13,225.78*	
		For Class 56 Rating, Add	*17,511.81*	
40 05 19 00-1568	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,481.32	2,459.43
		For Class 52 Rating, Deduct	*-6,683.04*	
		For Class 54 Rating, Add	*9,157.95*	
		For Class 55 Rating, Add	*13,637.78*	
		For Class 56 Rating, Add	*18,056.85*	
40 05 19 00-1569	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,320.20	2,462.32
		For Class 52 Rating, Deduct	*-6,884.84*	
		For Class 54 Rating, Add	*9,433.18*	
		For Class 55 Rating, Add	*14,046.98*	
		For Class 56 Rating, Add	*18,598.19*	
40 05 19 00-1570	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	67,933.23	2,465.21
		For Class 52 Rating, Deduct	*-7,061.79*	
		For Class 54 Rating, Add	*9,674.53*	
		For Class 55 Rating, Add	*14,405.82*	
		For Class 56 Rating, Add	*19,072.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1571	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	70,010.53	2,468.08
		For Class 52 Rating, Deduct	*-7,289.81*	
		For Class 54 Rating, Add	*9,985.53*	
		For Class 55 Rating, Add	*14,868.18*	
		For Class 56 Rating, Add	*19,684.57*	
40 05 19 00-1572	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,846.91	2,470.96
		For Class 52 Rating, Deduct	*-7,491.33*	
		For Class 54 Rating, Add	*10,260.38*	
		For Class 55 Rating, Add	*15,276.83*	
		For Class 56 Rating, Add	*20,225.17*	
40 05 19 00-1573	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,700.85	2,473.85
		For Class 52 Rating, Deduct	*-7,694.78*	
		For Class 54 Rating, Add	*10,537.87*	
		For Class 55 Rating, Add	*15,689.39*	
		For Class 56 Rating, Add	*20,770.95*	
40 05 19 00-1574	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	75,537.23	2,476.73
		For Class 52 Rating, Deduct	*-7,896.31*	
		For Class 54 Rating, Add	*10,812.72*	
		For Class 55 Rating, Add	*16,098.03*	
		For Class 56 Rating, Add	*21,311.55*	
40 05 19 00-1575	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	77,373.60	2,479.61
		For Class 52 Rating, Deduct	*-8,097.83*	
		For Class 54 Rating, Add	*11,087.58*	
		For Class 55 Rating, Add	*16,506.67*	
		For Class 56 Rating, Add	*21,852.15*	
40 05 19 00-1576	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	79,227.54	2,482.50
		For Class 52 Rating, Deduct	*-8,301.28*	
		For Class 54 Rating, Add	*11,365.06*	
		For Class 55 Rating, Add	*16,919.23*	
		For Class 56 Rating, Add	*22,397.93*	
40 05 19 00-1577	EA	48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	81,063.92	2,485.39
		For Class 52 Rating, Deduct	*-8,502.80*	
		For Class 54 Rating, Add	*11,639.92*	
		For Class 55 Rating, Add	*17,327.87*	
		For Class 56 Rating, Add	*22,938.53*	
40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	82,902.81	2,488.26
		For Class 52 Rating, Deduct	*-8,704.60*	
		For Class 54 Rating, Add	*11,915.15*	
		For Class 55 Rating, Add	*17,737.08*	
		For Class 56 Rating, Add	*23,479.87*	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	84,754.24	2,491.15
		For Class 52 Rating, Deduct	*-8,907.77*	
		For Class 54 Rating, Add	*12,192.26*	
		For Class 55 Rating, Add	*18,149.08*	
		For Class 56 Rating, Add	*24,024.91*	

40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	415.62	139.11
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	586.55	177.88
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	827.17	201.49
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,215.48	255.45
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,508.84	283.27
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,886.83	307.72
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,324.39	379.37
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,055.44	455.25
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,762.13	573.28
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,753.78	649.16
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	9,708.34	859.93
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	13,795.63	973.74
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	23,175.95	1,112.85
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	30,874.46	1,365.76

40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	393.19	139.11
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	550.66	177.88
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	735.95	201.49
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,083.89	255.45
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,341.36	283.27
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,545.89	307.72
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,947.56	379.37
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,548.51	455.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,300.07	573.28
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,360.10	649.16
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,688.50	859.93
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	13,050.94	973.74
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	19,974.38	1,112.85
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	27,252.70	1,365.76
40 05 19 00-1610		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	391.70	139.11
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	538.69	177.88
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	725.49	201.49
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,053.98	255.45
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,407.16	283.27
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,753.74	307.72
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,993.92	379.37
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,605.34	455.25
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,546.80	573.28
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,922.36	649.16
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	8,788.69	859.93
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	13,281.23	973.74
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	20,433.46	1,112.85
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	27,850.84	1,365.76
40 05 19 00-1625		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	429.08	139.11
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	608.98	177.88
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	755.39	201.49
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,160.15	255.45
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,603.05	283.27
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,804.59	307.72
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,206.26	379.37
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,605.34	455.25
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,546.80	573.28
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,124.23	649.16
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	8,888.88	859.93
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	13,379.92	973.74
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	20,538.13	1,112.85
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	28,061.69	1,365.76
40 05 19 00-1640		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows *(40 05 19 00-0001)*		
40 05 19 00-1641	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	555.67	158.50
40 05 19 00-1642	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	688.69	170.30
40 05 19 00-1643	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	776.38	189.69
40 05 19 00-1644	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,043.59	197.28
40 05 19 00-1645	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,101.39	216.67
40 05 19 00-1646	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,204.50	228.47
40 05 19 00-1647	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,122.13	211.61
40 05 19 00-1648	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,265.16	231.00
40 05 19 00-1649	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,456.51	242.81
40 05 19 00-1650	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,551.22	269.78
40 05 19 00-1651	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,456.51	242.81
40 05 19 00-1652	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,614.95	254.60
40 05 19 00-1653	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,799.38	281.58
40 05 19 00-1654	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,993.07	295.91
40 05 19 00-1655	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,679.77	278.63
40 05 19 00-1656	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,812.79	290.43
40 05 19 00-1657	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,082.46	317.41
40 05 19 00-1658	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,274.00	331.33
40 05 19 00-1659	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,436.09	343.55
40 05 19 00-1660	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,966.04	316.57
40 05 19 00-1661	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,356.26	328.38
40 05 19 00-1662	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,425.55	355.35
40 05 19 00-1663	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,561.77	369.26
40 05 19 00-1664	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,780.68	381.49
40 05 19 00-1665	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,032.34	417.32
40 05 19 00-1666	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,539.95	375.58
40 05 19 00-1667	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,711.86	387.39
40 05 19 00-1668	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,367.32	414.37
40 05 19 00-1669	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,494.57	428.27
40 05 19 00-1670	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,857.02	440.50
40 05 19 00-1671	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,769.25	476.33
40 05 19 00-1672	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,012.16	514.27
40 05 19 00-1673	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,581.38	413.53
40 05 19 00-1674	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,754.78	425.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1675	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,040.90	452.30
40 05 19 00-1676	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,247.40	466.22
40 05 19 00-1677	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,635.27	478.44
40 05 19 00-1678	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,996.11	514.27
40 05 19 00-1679	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,114.90	552.21
40 05 19 00-1680	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,382.29	546.10
40 05 19 00-1681	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,404.86	571.59
40 05 19 00-1682	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,819.66	583.82
40 05 19 00-1683	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,690.42	619.65
40 05 19 00-1684	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,944.19	657.59
40 05 19 00-1685	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,345.03	716.60
40 05 19 00-1686	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,925.89	754.54
40 05 19 00-1687	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,834.32	628.50
40 05 19 00-1688	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,454.77	640.73
40 05 19 00-1689	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,303.39	676.56
40 05 19 00-1690	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,160.20	714.49
40 05 19 00-1691	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,626.04	773.51
40 05 19 00-1692	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,677.95	811.45
40 05 19 00-1693	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,522.49	916.84
40 05 19 00-1694	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,657.44	710.28
40 05 19 00-1695	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,195.03	746.11
40 05 19 00-1696	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,787.94	784.05
40 05 19 00-1697	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,499.04	843.06
40 05 19 00-1698	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	15,264.13	881.00
40 05 19 00-1699	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	17,989.84	986.38
40 05 19 00-1700	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,427.25	1,043.29
40 05 19 00-1701	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,334.70	1,018.00
40 05 19 00-1702	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,463.76	1,123.38
40 05 19 00-1703	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,237.85	1,180.29
40 05 19 00-1704	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	34,848.43	1,249.84

40 05 19 00-1705 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-0001)*

40 05 19 00-1706	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	497.87	139.11
40 05 19 00-1707	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	770.48	177.88
40 05 19 00-1708	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,135.21	201.49
40 05 19 00-1709	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,616.24	255.45
40 05 19 00-1710	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,287.92	283.27
40 05 19 00-1711	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,668.91	307.72
40 05 19 00-1712	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,463.86	379.37
40 05 19 00-1713	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,292.10	455.25
40 05 19 00-1714	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,855.64	573.28
40 05 19 00-1715	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	8,615.90	649.16
40 05 19 00-1716	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,185.84	859.93
40 05 19 00-1717	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	23,140.14	973.74
40 05 19 00-1718	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	35,908.94	1,112.85

40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-0001)*

40 05 19 00-1720	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	526.28	139.11
40 05 19 00-1721	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	715.15	177.88
40 05 19 00-1722	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,174.09	201.49
40 05 19 00-1723	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,587.82	255.45
40 05 19 00-1724	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,136.89	283.27
40 05 19 00-1725	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,525.35	307.72
40 05 19 00-1726	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,119.92	379.37
40 05 19 00-1727	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,921.25	455.25
40 05 19 00-1728	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,176.74	573.28
40 05 19 00-1729	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,323.91	649.16
40 05 19 00-1730	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	12,020.17	859.93
40 05 19 00-1731	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	17,205.05	973.74
40 05 19 00-1732	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	32,003.06	1,112.85
40 05 19 00-1733	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	34,497.72	1,365.76

40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-0001)*

40 05 19 00-1735	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	712.34	223.41
40 05 19 00-1736	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	882.97	274.84
40 05 19 00-1737	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,244.05	306.88
40 05 19 00-1738	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	1,788.52	398.77
40 05 19 00-1739	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	2,381.78	435.02
40 05 19 00-1740	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,195.72	467.90
40 05 19 00-1741	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	3,617.21	590.14
40 05 19 00-1742	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	4,413.37	674.45
40 05 19 00-1743	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	5,566.87	851.49
40 05 19 00-1744	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	8,216.19	940.01
40 05 19 00-1745	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	14,000.30	1,298.32
40 05 19 00-1746	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	20,201.86	1,488.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1747	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee	41,857.53	1,719.85
40 05 19 00-1748		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-0001)*		
40 05 19 00-1749	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	894.00	249.55
40 05 19 00-1750	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,109.51	254.60
40 05 19 00-1751	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,107.22	286.64
40 05 19 00-1752	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,465.92	281.58
40 05 19 00-1753	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,445.67	313.62
40 05 19 00-1754	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,524.18	333.85
40 05 19 00-1755	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,861.48	295.91
40 05 19 00-1756	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,854.69	327.96
40 05 19 00-1757	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	1,958.61	348.18
40 05 19 00-1758	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,333.61	413.10
40 05 19 00-1759	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,719.75	307.72
40 05 19 00-1760	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,659.13	339.75
40 05 19 00-1761	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,776.52	359.99
40 05 19 00-1762	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,930.20	424.90
40 05 19 00-1763	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,107.60	447.25
40 05 19 00-1764	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,300.40	343.55
40 05 19 00-1765	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,037.91	375.58
40 05 19 00-1766	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	2,987.81	395.82
40 05 19 00-1767	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,506.37	460.73
40 05 19 00-1768	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,401.15	483.07
40 05 19 00-1769	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,794.32	503.73
40 05 19 00-1770	EA	18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,038.27	381.49
40 05 19 00-1771	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,037.07	413.53
40 05 19 00-1772	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,661.39	433.75
40 05 19 00-1773	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,671.51	498.67
40 05 19 00-1774	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	3,996.97	521.01
40 05 19 00-1775	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,364.71	541.67
40 05 19 00-1776	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,667.61	628.08
40 05 19 00-1777	EA	20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,945.73	440.50
40 05 19 00-1778	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,472.31	472.54
40 05 19 00-1779	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,564.28	492.77
40 05 19 00-1780	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,755.35	557.69
40 05 19 00-1781	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	4,941.71	580.03
40 05 19 00-1782	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,004.43	600.68
40 05 19 00-1783	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,028.08	687.09
40 05 19 00-1784	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,159.65	733.46
40 05 19 00-1785	EA	24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,927.26	478.44
40 05 19 00-1786	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,114.48	510.47
40 05 19 00-1787	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,347.00	530.71
40 05 19 00-1788	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	5,557.52	595.62
40 05 19 00-1789	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,231.38	617.97
40 05 19 00-1790	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,385.30	638.62
40 05 19 00-1791	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	6,596.97	725.04
40 05 19 00-1792	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,678.49	771.40
40 05 19 00-1793	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	8,975.48	824.31
40 05 19 00-1794	EA	30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,530.33	615.86
40 05 19 00-1795	EA	30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,592.39	636.09
40 05 19 00-1796	EA	30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,889.64	701.01
40 05 19 00-1797	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,923.49	723.35
40 05 19 00-1798	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	10,954.78	744.00
40 05 19 00-1799	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,184.41	830.41
40 05 19 00-1800	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,320.47	876.78
40 05 19 00-1801	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	11,662.28	994.81
40 05 19 00-1802	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,939.00	1,045.40
40 05 19 00-1803	EA	36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	14,524.56	881.42
40 05 19 00-1804	EA	36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,540.26	897.44
40 05 19 00-1805	EA	36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,642.77	943.38
40 05 19 00-1806	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,768.93	961.51
40 05 19 00-1807	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,826.73	977.96
40 05 19 00-1808	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	15,985.13	1,039.08
40 05 19 00-1809	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,081.90	1,081.22
40 05 19 00-1810	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,347.62	1,169.75
40 05 19 00-1811	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	16,712.25	1,214.01
40 05 19 00-1812	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	21,894.46	1,393.16
40 05 19 00-1813	EA	42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	26,015.74	762.55
40 05 19 00-1814	EA	42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,518.16	827.46
40 05 19 00-1815	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,552.00	849.81
40 05 19 00-1816	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,617.69	870.46
40 05 19 00-1817	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	23,818.90	956.88
40 05 19 00-1818	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,065.60	1,003.25
40 05 19 00-1819	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,244.44	1,121.28
40 05 19 00-1820	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	24,602.21	1,171.86
40 05 19 00-1821	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,174.72	1,424.78
40 05 19 00-1822	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	40,063.95	1,557.56
40 05 19 00-1823	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,849.47	986.80
40 05 19 00-1824	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	31,880.76	1,007.46
40 05 19 00-1825	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,116.38	1,093.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1826	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,186.63	1,140.24
40 05 19 00-1827	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,504.53	1,258.27
40 05 19 00-1828	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	32,827.90	1,308.85
40 05 19 00-1829	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee	33,704.58	1,561.77
40 05 19 00-1830		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base** *(40 05 19 00-0001)*		
40 05 19 00-1831	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	769.16	223.41
40 05 19 00-1832	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,045.97	274.84
40 05 19 00-1833	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	1,525.18	306.88
40 05 19 00-1834	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	2,319.37	398.77
40 05 19 00-1835	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,117.50	435.02
40 05 19 00-1836	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	3,482.83	467.90
40 05 19 00-1837	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	4,323.02	590.14
40 05 19 00-1838	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	5,252.26	674.45
40 05 19 00-1839	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	7,014.38	851.49
40 05 19 00-1840	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	10,103.33	940.01
40 05 19 00-1841	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	16,938.68	1,298.32
40 05 19 00-1842	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base	24,148.12	1,488.01
40 05 19 00-1843		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes** *(40 05 19 00-0001)*		
40 05 19 00-1844	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	625.61	223.41
40 05 19 00-1845	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	875.50	274.84
40 05 19 00-1846	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,266.48	306.88
40 05 19 00-1847	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	1,664.40	398.77
40 05 19 00-1848	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	2,374.31	435.02
40 05 19 00-1849	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye	3,082.08	467.90
40 05 19 00-1850		**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses** *(40 05 19 00-0001)*		
40 05 19 00-1851	EA	4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	859.52	307.72
40 05 19 00-1852	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,134.75	333.43
40 05 19 00-1853	EA	6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,201.84	371.79
40 05 19 00-1854	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,400.25	338.91
40 05 19 00-1855	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,526.28	383.60
40 05 19 00-1856	EA	8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,580.17	412.26
40 05 19 00-1857	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,811.97	365.89
40 05 19 00-1858	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	1,994.82	410.58
40 05 19 00-1859	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,181.81	439.24
40 05 19 00-1860	EA	10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,708.49	542.09
40 05 19 00-1861	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,347.45	379.79
40 05 19 00-1862	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,471.99	424.48
40 05 19 00-1863	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,660.46	453.15
40 05 19 00-1864	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,215.56	556.00
40 05 19 00-1865	EA	12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,027.41	586.77
40 05 19 00-1866	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	2,948.09	436.71
40 05 19 00-1867	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,135.07	465.38
40 05 19 00-1868	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,491.29	568.22
40 05 19 00-1869	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,796.61	598.99
40 05 19 00-1870	EA	14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,982.73	628.08
40 05 19 00-1871	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,518.27	472.54
40 05 19 00-1872	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,732.18	501.20
40 05 19 00-1873	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,088.39	604.05
40 05 19 00-1874	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,422.12	634.83
40 05 19 00-1875	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,169.41	663.92
40 05 19 00-1876	EA	16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,016.20	800.91
40 05 19 00-1877	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,662.49	510.47
40 05 19 00-1878	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	3,874.88	539.14
40 05 19 00-1879	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,174.28	641.99
40 05 19 00-1880	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,506.52	672.77
40 05 19 00-1881	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,178.63	701.85
40 05 19 00-1882	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,644.91	838.85
40 05 19 00-1883	EA	18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,899.90	893.65
40 05 19 00-1884	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	4,773.23	569.49
40 05 19 00-1885	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,000.59	598.15
40 05 19 00-1886	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,279.05	701.01
40 05 19 00-1887	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,633.72	731.78
40 05 19 00-1888	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	5,739.09	760.86
40 05 19 00-1889	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,993.42	897.86
40 05 19 00-1890	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,260.37	952.66
40 05 19 00-1891	EA	20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,960.78	1,129.70
40 05 19 00-1892	EA	24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,308.12	607.43
40 05 19 00-1893	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,472.68	636.09
40 05 19 00-1894	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	6,843.85	738.94
40 05 19 00-1895	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,075.90	769.71
40 05 19 00-1896	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,212.69	798.80
40 05 19 00-1897	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	7,635.59	935.80
40 05 19 00-1898	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	9,904.82	990.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1899	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	10,472.17	1,102.52
40 05 19 00-1900	EA	24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,529.46	1,230.87
40 05 19 00-1901	EA	30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,648.37	875.10
40 05 19 00-1902	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	11,725.35	904.18
40 05 19 00-1903	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,163.20	1,041.18
40 05 19 00-1904	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,312.03	1,095.98
40 05 19 00-1905	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	12,943.64	1,273.02
40 05 19 00-1906	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,831.68	1,336.25
40 05 19 00-1907	EA	30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	19,117.72	1,736.71
40 05 19 00-1908	EA	36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,457.93	1,113.27
40 05 19 00-1909	EA	36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,495.62	1,138.13
40 05 19 00-1910	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	16,865.23	1,249.84
40 05 19 00-1911	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,006.18	1,300.42
40 05 19 00-1912	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	17,527.30	1,447.96
40 05 19 00-1913	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	18,141.38	1,504.86
40 05 19 00-1914	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,537.05	1,831.55
40 05 19 00-1915	EA	36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,905.68	2,002.27
40 05 19 00-1916	EA	42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,309.79	1,001.56
40 05 19 00-1917	EA	42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,353.86	1,030.65
40 05 19 00-1918	EA	42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,772.28	1,167.64
40 05 19 00-1919	EA	42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	24,889.70	1,222.44
40 05 19 00-1920	EA	42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	25,474.96	1,399.49
40 05 19 00-1921	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	26,098.63	1,462.71
40 05 19 00-1922	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,597.49	1,863.17
40 05 19 00-1923	EA	42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	46,435.78	2,071.83
40 05 19 00-1924	EA	48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,406.21	2,326.86
40 05 19 00-1925	EA	48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	32,613.95	1,167.64
40 05 19 00-1926	EA	48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,033.86	1,304.64
40 05 19 00-1927	EA	48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,151.29	1,359.44
40 05 19 00-1928	EA	48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	33,700.65	1,536.49
40 05 19 00-1929	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	34,324.31	1,599.71
40 05 19 00-1930	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross	35,880.63	2,000.17

40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-0001)*

40 05 19 00-1932	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	458.47	158.50
40 05 19 00-1933	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	585.51	170.30
40 05 19 00-1934	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	644.79	189.69
40 05 19 00-1935	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	787.88	197.28
40 05 19 00-1936	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	794.84	216.67
40 05 19 00-1937	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	929.35	228.47
40 05 19 00-1938	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,006.99	211.61
40 05 19 00-1939	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,040.86	231.00
40 05 19 00-1940	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,140.99	242.81
40 05 19 00-1941	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,283.55	269.78
40 05 19 00-1942	EA	14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,576.20	231.00
40 05 19 00-1943	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,254.64	242.81
40 05 19 00-1944	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,387.65	254.60
40 05 19 00-1945	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,525.73	281.58
40 05 19 00-1946	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,483.15	295.91
40 05 19 00-1947	EA	16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,865.72	259.24
40 05 19 00-1948	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,510.79	278.63
40 05 19 00-1949	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,426.99	290.43
40 05 19 00-1950	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,590.49	317.41
40 05 19 00-1951	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,971.94	331.33
40 05 19 00-1952	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,122.06	343.55
40 05 19 00-1953	EA	18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,360.81	316.57
40 05 19 00-1954	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,870.27	328.38
40 05 19 00-1955	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,054.71	355.35
40 05 19 00-1956	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,041.38	369.26
40 05 19 00-1957	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,350.01	381.49
40 05 19 00-1958	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,345.97	417.32
40 05 19 00-1959	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,415.84	375.58
40 05 19 00-1960	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,342.50	387.39
40 05 19 00-1961	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,537.39	414.37
40 05 19 00-1962	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,473.24	428.27
40 05 19 00-1963	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,855.13	440.50
40 05 19 00-1964	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,679.14	476.33
40 05 19 00-1965	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,304.85	514.27
40 05 19 00-1966	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,168.60	425.32
40 05 19 00-1967	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,578.83	452.30
40 05 19 00-1968	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,849.64	466.22
40 05 19 00-1969	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,951.89	478.44
40 05 19 00-1970	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,496.26	514.27
40 05 19 00-1971	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,222.18	552.21
40 05 19 00-1972	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,459.65	546.10
40 05 19 00-1973	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,082.91	619.65
40 05 19 00-1974	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,339.27	657.59
40 05 19 00-1975	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,824.95	716.60
40 05 19 00-1976	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,541.89	754.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1977	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,313.46	676.56
40 05 19 00-1978	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,732.83	714.49
40 05 19 00-1979	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	9,284.31	773.51
40 05 19 00-1980	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	10,101.44	811.45
40 05 19 00-1981	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,645.81	916.84
40 05 19 00-1982	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	14,138.12	881.00
40 05 19 00-1983	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	15,984.56	986.38
40 05 19 00-1984	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,076.06	1,043.29
40 05 19 00-1985	EA	48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,967.45	1,018.00
40 05 19 00-1986	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	20,166.80	1,123.38
40 05 19 00-1987	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	22,539.43	1,180.29
40 05 19 00-1988	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,248.22	1,249.84
40 05 19 00-1989		Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-0001)*		
40 05 19 00-1990	EA	6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	498.85	158.50
40 05 19 00-1991	EA	8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	631.87	170.30
40 05 19 00-1992	EA	8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	718.06	189.69
40 05 19 00-1993	EA	10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	787.88	197.28
40 05 19 00-1994	EA	10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	844.19	216.67
40 05 19 00-1995	EA	10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	975.71	228.47
40 05 19 00-1996	EA	12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,006.99	211.61
40 05 19 00-1997	EA	12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,094.69	231.00
40 05 19 00-1998	EA	12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,197.81	242.81
40 05 19 00-1999	EA	12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,382.24	269.78
40 05 19 00-2000	EA	14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,254.64	242.81
40 05 19 00-2001	EA	14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,359.24	254.60
40 05 19 00-2002	EA	14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,515.26	281.58
40 05 19 00-2003	EA	14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,735.86	295.91
40 05 19 00-2004	EA	16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,510.79	278.63
40 05 19 00-2005	EA	16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,640.82	290.43
40 05 19 00-2006	EA	16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,825.26	317.41
40 05 19 00-2007	EA	16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,018.30	331.33
40 05 19 00-2008	EA	16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,122.06	343.55
40 05 19 00-2009	EA	18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,870.27	328.38
40 05 19 00-2010	EA	18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,054.71	355.35
40 05 19 00-2011	EA	18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,247.74	369.26
40 05 19 00-2012	EA	18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,350.01	381.49
40 05 19 00-2013	EA	18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,576.26	417.32
40 05 19 00-2014	EA	20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,735.85	375.58
40 05 19 00-2015	EA	20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,496.52	387.39
40 05 19 00-2016	EA	20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,537.39	414.37
40 05 19 00-2017	EA	20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,773.81	428.27
40 05 19 00-2018	EA	20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,855.13	440.50
40 05 19 00-2019	EA	20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,121.76	476.33
40 05 19 00-2020	EA	20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,303.36	514.27
40 05 19 00-2021	EA	24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,476.64	425.32
40 05 19 00-2022	EA	24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,578.83	452.30
40 05 19 00-2023	EA	24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,661.22	466.22
40 05 19 00-2024	EA	24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,741.04	478.44
40 05 19 00-2025	EA	24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,012.16	514.27
40 05 19 00-2026	EA	24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,222.18	552.21
40 05 19 00-2027	EA	24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,459.65	546.10
40 05 19 00-2028	EA	30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,283.23	583.82
40 05 19 00-2029	EA	30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,105.73	619.65
40 05 19 00-2030	EA	30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,372.17	657.59
40 05 19 00-2031	EA	30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,824.95	716.60
40 05 19 00-2032	EA	30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,541.89	754.54
40 05 19 00-2033	EA	36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,379.26	676.56
40 05 19 00-2034	EA	36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,732.83	714.49
40 05 19 00-2035	EA	36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	9,251.41	773.51
40 05 19 00-2036	EA	36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	10,065.55	811.45
40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,612.92	916.84
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,138.12	881.00
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	11,947.09	986.38
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,076.06	1,043.29
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	20,166.80	1,123.38
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	22,539.43	1,180.29
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,248.22	1,249.84
40 05 19 00-2044		Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-0001)*		
40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	177.24	54.80
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	266.18	80.94
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	386.37	96.11
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	531.77	112.13
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	686.76	131.52
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	908.40	147.53
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,085.39	168.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,470.21	236.05
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	1,952.91	295.07
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	2,782.93	358.30
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	3,925.07	417.32
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	7,015.55	459.47
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	9,894.10	505.84
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange	13,077.82	569.07

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint *(40 05 19 00-0001)*

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,121.69	99.30
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	1,302.11	116.52
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,071.77	145.65
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	2,749.03	166.47
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	3,795.07	250.48
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	4,966.67	273.25
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	5,753.56	300.58
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	6,395.30	333.94
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,156.96	375.72
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	9,352.74	429.35
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	16,360.52	500.96
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	57,355.05	601.15
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint	81,441.19	751.44

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping *(40 05 19)*

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4103 for bolts, 40 05 19 00-4118 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,177.60	241.12
		For Class 52 Rating, Deduct	*-89.35*	
		For Class 54 Rating, Add	*126.23*	
		For Class 55 Rating, Add	*189.91*	
		For Class 56 Rating, Add	*252.77*	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,299.59	245.33
		For Class 52 Rating, Deduct	*-102.07*	
		For Class 54 Rating, Add	*143.64*	
		For Class 55 Rating, Add	*215.84*	
		For Class 56 Rating, Add	*287.11*	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,421.59	249.55
		For Class 52 Rating, Deduct	*-114.78*	
		For Class 54 Rating, Add	*161.06*	
		For Class 55 Rating, Add	*241.77*	
		For Class 56 Rating, Add	*321.44*	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,543.58	253.76
		For Class 52 Rating, Deduct	*-127.50*	
		For Class 54 Rating, Add	*178.48*	
		For Class 55 Rating, Add	*267.70*	
		For Class 56 Rating, Add	*355.77*	
40 05 19 00-2080	EA	4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,665.57	257.98
		For Class 52 Rating, Deduct	*-140.22*	
		For Class 54 Rating, Add	*195.90*	
		For Class 55 Rating, Add	*293.64*	
		For Class 56 Rating, Add	*390.11*	
40 05 19 00-2081	EA	4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,787.56	262.19
		For Class 52 Rating, Deduct	*-152.93*	
		For Class 54 Rating, Add	*213.31*	
		For Class 55 Rating, Add	*319.57*	
		For Class 56 Rating, Add	*424.44*	
40 05 19 00-2082	EA	4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,909.56	266.40
		For Class 52 Rating, Deduct	*-165.65*	
		For Class 54 Rating, Add	*230.73*	
		For Class 55 Rating, Add	*345.51*	
		For Class 56 Rating, Add	*458.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2083	EA	4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,031.54	270.63
		For Class 52 Rating, Deduct	*-178.37*	
		For Class 54 Rating, Add	*248.15*	
		For Class 55 Rating, Add	*371.44*	
		For Class 56 Rating, Add	*493.11*	
40 05 19 00-2084	EA	4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,153.54	274.84
		For Class 52 Rating, Deduct	*-191.08*	
		For Class 54 Rating, Add	*265.57*	
		For Class 55 Rating, Add	*397.37*	
		For Class 56 Rating, Add	*527.44*	
40 05 19 00-2085	EA	4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,275.53	279.05
		For Class 52 Rating, Deduct	*-203.80*	
		For Class 54 Rating, Add	*282.98*	
		For Class 55 Rating, Add	*423.30*	
		For Class 56 Rating, Add	*561.77*	
40 05 19 00-2086	EA	4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,397.52	283.27
		For Class 52 Rating, Deduct	*-216.52*	
		For Class 54 Rating, Add	*300.40*	
		For Class 55 Rating, Add	*449.24*	
		For Class 56 Rating, Add	*596.11*	
40 05 19 00-2087	EA	4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,519.51	287.48
		For Class 52 Rating, Deduct	*-229.23*	
		For Class 54 Rating, Add	*317.82*	
		For Class 55 Rating, Add	*475.17*	
		For Class 56 Rating, Add	*630.44*	
40 05 19 00-2088	EA	4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,641.51	291.70
		For Class 52 Rating, Deduct	*-241.95*	
		For Class 54 Rating, Add	*335.23*	
		For Class 55 Rating, Add	*501.10*	
		For Class 56 Rating, Add	*664.78*	
40 05 19 00-2089	EA	4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,763.50	295.91
		For Class 52 Rating, Deduct	*-254.67*	
		For Class 54 Rating, Add	*352.65*	
		For Class 55 Rating, Add	*527.04*	
		For Class 56 Rating, Add	*699.11*	
40 05 19 00-2090	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,885.49	300.13
		For Class 52 Rating, Deduct	*-267.38*	
		For Class 54 Rating, Add	*370.07*	
		For Class 55 Rating, Add	*552.97*	
		For Class 56 Rating, Add	*733.44*	
40 05 19 00-2091	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,007.48	304.35
		For Class 52 Rating, Deduct	*-280.10*	
		For Class 54 Rating, Add	*387.49*	
		For Class 55 Rating, Add	*578.90*	
		For Class 56 Rating, Add	*767.77*	
40 05 19 00-2092	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,129.48	308.56
		For Class 52 Rating, Deduct	*-292.82*	
		For Class 54 Rating, Add	*404.90*	
		For Class 55 Rating, Add	*604.84*	
		For Class 56 Rating, Add	*802.11*	
40 05 19 00-2093	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,251.47	312.78
		For Class 52 Rating, Deduct	*-305.53*	
		For Class 54 Rating, Add	*422.32*	
		For Class 55 Rating, Add	*630.77*	
		For Class 56 Rating, Add	*836.44*	
40 05 19 00-2094	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,373.46	316.99
		For Class 52 Rating, Deduct	*-318.25*	
		For Class 54 Rating, Add	*439.74*	
		For Class 55 Rating, Add	*656.70*	
		For Class 56 Rating, Add	*870.78*	
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,495.46	321.20
		For Class 52 Rating, Deduct	*-330.97*	
		For Class 54 Rating, Add	*457.16*	
		For Class 55 Rating, Add	*682.64*	
		For Class 56 Rating, Add	*905.11*	
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,617.44	325.43
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*474.57*	
		For Class 55 Rating, Add	*708.57*	
		For Class 56 Rating, Add	*939.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,739.44	329.64
		For Class 52 Rating, Deduct	*-356.40*	
		For Class 54 Rating, Add	*491.99*	
		For Class 55 Rating, Add	*734.50*	
		For Class 56 Rating, Add	*973.78*	
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,861.43	333.85
		For Class 52 Rating, Deduct	*-369.11*	
		For Class 54 Rating, Add	*509.41*	
		For Class 55 Rating, Add	*760.44*	
		For Class 56 Rating, Add	*1,008.11*	
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,983.43	338.07
		For Class 52 Rating, Deduct	*-381.83*	
		For Class 54 Rating, Add	*526.83*	
		For Class 55 Rating, Add	*786.37*	
		For Class 56 Rating, Add	*1,042.44*	
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,105.41	342.28
		For Class 52 Rating, Deduct	*-394.55*	
		For Class 54 Rating, Add	*544.24*	
		For Class 55 Rating, Add	*812.30*	
		For Class 56 Rating, Add	*1,076.78*	
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,227.41	346.50
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*561.66*	
		For Class 55 Rating, Add	*838.24*	
		For Class 56 Rating, Add	*1,111.11*	
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,349.40	350.71
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*579.08*	
		For Class 55 Rating, Add	*864.17*	
		For Class 56 Rating, Add	*1,145.44*	
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,471.39	354.93
		For Class 52 Rating, Deduct	*-432.70*	
		For Class 54 Rating, Add	*596.50*	
		For Class 55 Rating, Add	*890.10*	
		For Class 56 Rating, Add	*1,179.78*	
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.38	359.15
		For Class 52 Rating, Deduct	*-445.41*	
		For Class 54 Rating, Add	*613.91*	
		For Class 55 Rating, Add	*916.04*	
		For Class 56 Rating, Add	*1,214.11*	
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,715.38	363.36
		For Class 52 Rating, Deduct	*-458.13*	
		For Class 54 Rating, Add	*631.33*	
		For Class 55 Rating, Add	*941.97*	
		For Class 56 Rating, Add	*1,248.44*	
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,837.36	367.57
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*648.75*	
		For Class 55 Rating, Add	*967.90*	
		For Class 56 Rating, Add	*1,282.78*	
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,959.36	371.79
		For Class 52 Rating, Deduct	*-483.56*	
		For Class 54 Rating, Add	*666.17*	
		For Class 55 Rating, Add	*993.84*	
		For Class 56 Rating, Add	*1,317.11*	
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,081.35	376.00
		For Class 52 Rating, Deduct	*-496.28*	
		For Class 54 Rating, Add	*683.58*	
		For Class 55 Rating, Add	*1,019.77*	
		For Class 56 Rating, Add	*1,351.44*	
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,203.35	380.23
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*701.00*	
		For Class 55 Rating, Add	*1,045.70*	
		For Class 56 Rating, Add	*1,385.78*	
40 05 19 00-2110	EA	4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,325.33	384.44
		For Class 52 Rating, Deduct	*-521.71*	
		For Class 54 Rating, Add	*718.42*	
		For Class 55 Rating, Add	*1,071.64*	
		For Class 56 Rating, Add	*1,420.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2111	EA	4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,447.33	388.65
		For Class 52 Rating, Deduct	*-534.43*	
		For Class 54 Rating, Add	*735.84*	
		For Class 55 Rating, Add	*1,097.57*	
		For Class 56 Rating, Add	*1,454.45*	
40 05 19 00-2112	EA	4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,569.32	392.87
		For Class 52 Rating, Deduct	*-547.15*	
		For Class 54 Rating, Add	*753.25*	
		For Class 55 Rating, Add	*1,123.50*	
		For Class 56 Rating, Add	*1,488.78*	
40 05 19 00-2113	EA	4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,691.31	397.08
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*770.67*	
		For Class 55 Rating, Add	*1,149.44*	
		For Class 56 Rating, Add	*1,523.11*	
40 05 19 00-2114	EA	4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,813.30	401.30
		For Class 52 Rating, Deduct	*-572.58*	
		For Class 54 Rating, Add	*788.09*	
		For Class 55 Rating, Add	*1,175.37*	
		For Class 56 Rating, Add	*1,557.44*	

40 05 19 00-2115 6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2116	EA	6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,472.92	303.50
		For Class 52 Rating, Deduct	*-111.44*	
		For Class 54 Rating, Add	*157.48*	
		For Class 55 Rating, Add	*236.95*	
		For Class 56 Rating, Add	*315.41*	
40 05 19 00-2117	EA	6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,613.16	307.72
		For Class 52 Rating, Deduct	*-126.16*	
		For Class 54 Rating, Add	*177.63*	
		For Class 55 Rating, Add	*266.95*	
		For Class 56 Rating, Add	*355.13*	
40 05 19 00-2118	EA	6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,753.41	311.93
		For Class 52 Rating, Deduct	*-140.89*	
		For Class 54 Rating, Add	*197.79*	
		For Class 55 Rating, Add	*296.96*	
		For Class 56 Rating, Add	*394.84*	
40 05 19 00-2119	EA	6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,893.65	316.15
		For Class 52 Rating, Deduct	*-155.61*	
		For Class 54 Rating, Add	*217.94*	
		For Class 55 Rating, Add	*326.96*	
		For Class 56 Rating, Add	*434.56*	
40 05 19 00-2120	EA	6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,033.90	320.36
		For Class 52 Rating, Deduct	*-170.34*	
		For Class 54 Rating, Add	*238.10*	
		For Class 55 Rating, Add	*356.97*	
		For Class 56 Rating, Add	*474.28*	
40 05 19 00-2121	EA	6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,174.15	324.58
		For Class 52 Rating, Deduct	*-185.06*	
		For Class 54 Rating, Add	*258.26*	
		For Class 55 Rating, Add	*386.97*	
		For Class 56 Rating, Add	*514.00*	
40 05 19 00-2122	EA	6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,314.40	328.80
		For Class 52 Rating, Deduct	*-199.78*	
		For Class 54 Rating, Add	*278.41*	
		For Class 55 Rating, Add	*416.97*	
		For Class 56 Rating, Add	*553.72*	
40 05 19 00-2123	EA	6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,454.64	333.01
		For Class 52 Rating, Deduct	*-214.51*	
		For Class 54 Rating, Add	*298.57*	
		For Class 55 Rating, Add	*446.98*	
		For Class 56 Rating, Add	*593.44*	
40 05 19 00-2124	EA	6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,594.88	337.23
		For Class 52 Rating, Deduct	*-229.23*	
		For Class 54 Rating, Add	*318.72*	
		For Class 55 Rating, Add	*476.98*	
		For Class 56 Rating, Add	*633.15*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA	6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,735.13	341.44
		For Class 52 Rating, Deduct	*-243.96*	
		For Class 54 Rating, Add	*338.88*	
		For Class 55 Rating, Add	*506.98*	
		For Class 56 Rating, Add	*672.87*	
40 05 19 00-2126	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,875.37	345.65
		For Class 52 Rating, Deduct	*-258.68*	
		For Class 54 Rating, Add	*359.03*	
		For Class 55 Rating, Add	*536.99*	
		For Class 56 Rating, Add	*712.59*	
40 05 19 00-2127	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,015.62	349.87
		For Class 52 Rating, Deduct	*-273.41*	
		For Class 54 Rating, Add	*379.19*	
		For Class 55 Rating, Add	*566.99*	
		For Class 56 Rating, Add	*752.31*	
40 05 19 00-2128	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,155.87	354.09
		For Class 52 Rating, Deduct	*-288.13*	
		For Class 54 Rating, Add	*399.34*	
		For Class 55 Rating, Add	*597.00*	
		For Class 56 Rating, Add	*792.03*	
40 05 19 00-2129	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,296.11	358.30
		For Class 52 Rating, Deduct	*-302.86*	
		For Class 54 Rating, Add	*419.50*	
		For Class 55 Rating, Add	*627.00*	
		For Class 56 Rating, Add	*831.75*	
40 05 19 00-2130	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,436.36	362.52
		For Class 52 Rating, Deduct	*-317.58*	
		For Class 54 Rating, Add	*439.65*	
		For Class 55 Rating, Add	*657.00*	
		For Class 56 Rating, Add	*871.47*	
40 05 19 00-2131	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,576.60	366.73
		For Class 52 Rating, Deduct	*-332.30*	
		For Class 54 Rating, Add	*459.81*	
		For Class 55 Rating, Add	*687.01*	
		For Class 56 Rating, Add	*911.18*	
40 05 19 00-2132	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,716.85	370.95
		For Class 52 Rating, Deduct	*-347.03*	
		For Class 54 Rating, Add	*479.96*	
		For Class 55 Rating, Add	*717.01*	
		For Class 56 Rating, Add	*950.90*	
40 05 19 00-2133	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,857.09	375.16
		For Class 52 Rating, Deduct	*-361.75*	
		For Class 54 Rating, Add	*500.12*	
		For Class 55 Rating, Add	*747.01*	
		For Class 56 Rating, Add	*990.62*	
40 05 19 00-2134	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,997.34	379.37
		For Class 52 Rating, Deduct	*-376.48*	
		For Class 54 Rating, Add	*520.28*	
		For Class 55 Rating, Add	*777.02*	
		For Class 56 Rating, Add	*1,030.34*	
40 05 19 00-2135	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,137.59	383.60
		For Class 52 Rating, Deduct	*-391.20*	
		For Class 54 Rating, Add	*540.43*	
		For Class 55 Rating, Add	*807.02*	
		For Class 56 Rating, Add	*1,070.06*	
40 05 19 00-2136	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,277.83	387.81
		For Class 52 Rating, Deduct	*-405.93*	
		For Class 54 Rating, Add	*560.59*	
		For Class 55 Rating, Add	*837.03*	
		For Class 56 Rating, Add	*1,109.77*	
40 05 19 00-2137	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,418.08	392.02
		For Class 52 Rating, Deduct	*-420.65*	
		For Class 54 Rating, Add	*580.74*	
		For Class 55 Rating, Add	*867.03*	
		For Class 56 Rating, Add	*1,149.49*	
40 05 19 00-2138	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,558.32	396.24
		For Class 52 Rating, Deduct	*-435.37*	
		For Class 54 Rating, Add	*600.90*	
		For Class 55 Rating, Add	*897.03*	
		For Class 56 Rating, Add	*1,189.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2139	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,698.56	400.45
		For Class 52 Rating, Deduct	*-450.10*	
		For Class 54 Rating, Add	*621.05*	
		For Class 55 Rating, Add	*927.04*	
		For Class 56 Rating, Add	*1,228.93*	
40 05 19 00-2140	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,838.80	404.67
		For Class 52 Rating, Deduct	*-464.82*	
		For Class 54 Rating, Add	*641.21*	
		For Class 55 Rating, Add	*957.04*	
		For Class 56 Rating, Add	*1,268.65*	
40 05 19 00-2141	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,979.05	408.89
		For Class 52 Rating, Deduct	*-479.55*	
		For Class 54 Rating, Add	*661.36*	
		For Class 55 Rating, Add	*987.04*	
		For Class 56 Rating, Add	*1,308.36*	
40 05 19 00-2142	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,119.30	413.10
		For Class 52 Rating, Deduct	*-494.27*	
		For Class 54 Rating, Add	*681.52*	
		For Class 55 Rating, Add	*1,017.05*	
		For Class 56 Rating, Add	*1,348.08*	
40 05 19 00-2143	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,259.54	417.32
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*701.67*	
		For Class 55 Rating, Add	*1,047.05*	
		For Class 56 Rating, Add	*1,387.80*	
40 05 19 00-2144	EA	6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,399.79	421.53
		For Class 52 Rating, Deduct	*-523.72*	
		For Class 54 Rating, Add	*721.83*	
		For Class 55 Rating, Add	*1,077.06*	
		For Class 56 Rating, Add	*1,427.52*	
40 05 19 00-2145	EA	6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,540.03	425.75
		For Class 52 Rating, Deduct	*-538.45*	
		For Class 54 Rating, Add	*741.98*	
		For Class 55 Rating, Add	*1,107.06*	
		For Class 56 Rating, Add	*1,467.24*	
40 05 19 00-2146	EA	6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,680.27	429.96
		For Class 52 Rating, Deduct	*-553.17*	
		For Class 54 Rating, Add	*762.14*	
		For Class 55 Rating, Add	*1,137.06*	
		For Class 56 Rating, Add	*1,506.95*	
40 05 19 00-2147	EA	6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,820.52	434.17
		For Class 52 Rating, Deduct	*-567.89*	
		For Class 54 Rating, Add	*782.30*	
		For Class 55 Rating, Add	*1,167.07*	
		For Class 56 Rating, Add	*1,546.67*	
40 05 19 00-2148	EA	6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,960.77	438.40
		For Class 52 Rating, Deduct	*-582.62*	
		For Class 54 Rating, Add	*802.45*	
		For Class 55 Rating, Add	*1,197.07*	
		For Class 56 Rating, Add	*1,586.39*	
40 05 19 00-2149	EA	6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,101.01	442.61
		For Class 52 Rating, Deduct	*-597.34*	
		For Class 54 Rating, Add	*822.61*	
		For Class 55 Rating, Add	*1,227.07*	
		For Class 56 Rating, Add	*1,626.11*	
40 05 19 00-2150	EA	6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,241.26	446.82
		For Class 52 Rating, Deduct	*-612.07*	
		For Class 54 Rating, Add	*842.76*	
		For Class 55 Rating, Add	*1,257.08*	
		For Class 56 Rating, Add	*1,665.83*	
40 05 19 00-2151	EA	6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,381.51	451.04
		For Class 52 Rating, Deduct	*-626.79*	
		For Class 54 Rating, Add	*862.92*	
		For Class 55 Rating, Add	*1,287.08*	
		For Class 56 Rating, Add	*1,705.55*	
40 05 19 00-2152	EA	6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,521.75	455.25
		For Class 52 Rating, Deduct	*-641.52*	
		For Class 54 Rating, Add	*883.07*	
		For Class 55 Rating, Add	*1,317.08*	
		For Class 56 Rating, Add	*1,745.26*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2153	EA	6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,661.99	459.47
		For Class 52 Rating, Deduct	*-656.24*	
		For Class 54 Rating, Add	*903.23*	
		For Class 55 Rating, Add	*1,347.09*	
		For Class 56 Rating, Add	*1,784.98*	
40 05 19 00-2154	EA	6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,802.24	463.68
		For Class 52 Rating, Deduct	*-670.97*	
		For Class 54 Rating, Add	*923.38*	
		For Class 55 Rating, Add	*1,377.09*	
		For Class 56 Rating, Add	*1,824.70*	

40 05 19 00-2155 8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2156	EA	8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,050.91	387.81
		For Class 52 Rating, Deduct	*-160.97*	
		For Class 54 Rating, Add	*226.55*	
		For Class 55 Rating, Add	*340.42*	
		For Class 56 Rating, Add	*452.83*	
40 05 19 00-2157	EA	8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,230.71	392.02
		For Class 52 Rating, Deduct	*-180.04*	
		For Class 54 Rating, Add	*252.64*	
		For Class 55 Rating, Add	*379.25*	
		For Class 56 Rating, Add	*504.22*	
40 05 19 00-2158	EA	8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,410.50	396.24
		For Class 52 Rating, Deduct	*-199.11*	
		For Class 54 Rating, Add	*278.72*	
		For Class 55 Rating, Add	*418.07*	
		For Class 56 Rating, Add	*555.60*	
40 05 19 00-2159	EA	8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,590.29	400.45
		For Class 52 Rating, Deduct	*-218.19*	
		For Class 54 Rating, Add	*304.81*	
		For Class 55 Rating, Add	*456.89*	
		For Class 56 Rating, Add	*606.99*	
40 05 19 00-2160	EA	8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,770.08	404.67
		For Class 52 Rating, Deduct	*-237.26*	
		For Class 54 Rating, Add	*330.90*	
		For Class 55 Rating, Add	*495.71*	
		For Class 56 Rating, Add	*658.37*	
40 05 19 00-2161	EA	8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,949.88	408.89
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*356.99*	
		For Class 55 Rating, Add	*534.54*	
		For Class 56 Rating, Add	*709.76*	
40 05 19 00-2162	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,129.67	413.10
		For Class 52 Rating, Deduct	*-275.41*	
		For Class 54 Rating, Add	*383.07*	
		For Class 55 Rating, Add	*573.36*	
		For Class 56 Rating, Add	*761.14*	
40 05 19 00-2163	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,309.46	417.32
		For Class 52 Rating, Deduct	*-294.49*	
		For Class 54 Rating, Add	*409.16*	
		For Class 55 Rating, Add	*612.18*	
		For Class 56 Rating, Add	*812.53*	
40 05 19 00-2164	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,489.26	421.53
		For Class 52 Rating, Deduct	*-313.56*	
		For Class 54 Rating, Add	*435.25*	
		For Class 55 Rating, Add	*651.01*	
		For Class 56 Rating, Add	*863.91*	
40 05 19 00-2165	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,669.06	425.75
		For Class 52 Rating, Deduct	*-332.64*	
		For Class 54 Rating, Add	*461.34*	
		For Class 55 Rating, Add	*689.83*	
		For Class 56 Rating, Add	*915.30*	
40 05 19 00-2166	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,848.84	429.96
		For Class 52 Rating, Deduct	*-351.71*	
		For Class 54 Rating, Add	*487.43*	
		For Class 55 Rating, Add	*728.65*	
		For Class 56 Rating, Add	*966.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2167	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,028.64	434.17
		For Class 52 Rating, Deduct	*-370.79*	
		For Class 54 Rating, Add	*513.51*	
		For Class 55 Rating, Add	*767.48*	
		For Class 56 Rating, Add	*1,018.07*	
40 05 19 00-2168	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,208.44	438.40
		For Class 52 Rating, Deduct	*-389.86*	
		For Class 54 Rating, Add	*539.60*	
		For Class 55 Rating, Add	*806.30*	
		For Class 56 Rating, Add	*1,069.45*	
40 05 19 00-2169	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,388.23	442.61
		For Class 52 Rating, Deduct	*-408.94*	
		For Class 54 Rating, Add	*565.69*	
		For Class 55 Rating, Add	*845.12*	
		For Class 56 Rating, Add	*1,120.84*	
40 05 19 00-2170	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,568.02	446.82
		For Class 52 Rating, Deduct	*-428.01*	
		For Class 54 Rating, Add	*591.78*	
		For Class 55 Rating, Add	*883.95*	
		For Class 56 Rating, Add	*1,172.22*	
40 05 19 00-2171	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,747.82	451.04
		For Class 52 Rating, Deduct	*-447.09*	
		For Class 54 Rating, Add	*617.87*	
		For Class 55 Rating, Add	*922.77*	
		For Class 56 Rating, Add	*1,223.61*	
40 05 19 00-2172	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,927.62	455.25
		For Class 52 Rating, Deduct	*-466.16*	
		For Class 54 Rating, Add	*643.95*	
		For Class 55 Rating, Add	*961.59*	
		For Class 56 Rating, Add	*1,274.99*	
40 05 19 00-2173	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,107.41	459.47
		For Class 52 Rating, Deduct	*-485.24*	
		For Class 54 Rating, Add	*670.04*	
		For Class 55 Rating, Add	*1,000.42*	
		For Class 56 Rating, Add	*1,326.38*	
40 05 19 00-2174	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,287.21	463.68
		For Class 52 Rating, Deduct	*-504.31*	
		For Class 54 Rating, Add	*696.13*	
		For Class 55 Rating, Add	*1,039.24*	
		For Class 56 Rating, Add	*1,377.77*	
40 05 19 00-2175	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,467.00	467.90
		For Class 52 Rating, Deduct	*-523.39*	
		For Class 54 Rating, Add	*722.22*	
		For Class 55 Rating, Add	*1,078.06*	
		For Class 56 Rating, Add	*1,429.15*	
40 05 19 00-2176	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,646.79	472.12
		For Class 52 Rating, Deduct	*-542.46*	
		For Class 54 Rating, Add	*748.30*	
		For Class 55 Rating, Add	*1,116.89*	
		For Class 56 Rating, Add	*1,480.54*	
40 05 19 00-2177	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,826.59	476.33
		For Class 52 Rating, Deduct	*-561.54*	
		For Class 54 Rating, Add	*774.39*	
		For Class 55 Rating, Add	*1,155.71*	
		For Class 56 Rating, Add	*1,531.92*	
40 05 19 00-2178	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,006.39	480.55
		For Class 52 Rating, Deduct	*-580.61*	
		For Class 54 Rating, Add	*800.48*	
		For Class 55 Rating, Add	*1,194.53*	
		For Class 56 Rating, Add	*1,583.31*	
40 05 19 00-2179	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,186.17	484.76
		For Class 52 Rating, Deduct	*-599.69*	
		For Class 54 Rating, Add	*826.57*	
		For Class 55 Rating, Add	*1,233.35*	
		For Class 56 Rating, Add	*1,634.69*	
40 05 19 00-2180	EA	8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,365.97	488.97
		For Class 52 Rating, Deduct	*-618.76*	
		For Class 54 Rating, Add	*852.66*	
		For Class 55 Rating, Add	*1,272.18*	
		For Class 56 Rating, Add	*1,686.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2181	EA	8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,545.77	493.20
		For Class 52 Rating, Deduct	*-637.84*	
		For Class 54 Rating, Add	*878.74*	
		For Class 55 Rating, Add	*1,311.00*	
		For Class 56 Rating, Add	*1,737.46*	
40 05 19 00-2182	EA	8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,725.57	497.41
		For Class 52 Rating, Deduct	*-656.91*	
		For Class 54 Rating, Add	*904.83*	
		For Class 55 Rating, Add	*1,349.83*	
		For Class 56 Rating, Add	*1,788.85*	
40 05 19 00-2183	EA	8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,905.35	501.62
		For Class 52 Rating, Deduct	*-675.99*	
		For Class 54 Rating, Add	*930.92*	
		For Class 55 Rating, Add	*1,388.65*	
		For Class 56 Rating, Add	*1,840.23*	
40 05 19 00-2184	EA	8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,085.15	505.84
		For Class 52 Rating, Deduct	*-695.06*	
		For Class 54 Rating, Add	*957.01*	
		For Class 55 Rating, Add	*1,427.47*	
		For Class 56 Rating, Add	*1,891.62*	
40 05 19 00-2185	EA	8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,264.95	510.05
		For Class 52 Rating, Deduct	*-714.14*	
		For Class 54 Rating, Add	*983.09*	
		For Class 55 Rating, Add	*1,466.29*	
		For Class 56 Rating, Add	*1,943.00*	
40 05 19 00-2186	EA	8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,444.74	514.27
		For Class 52 Rating, Deduct	*-733.21*	
		For Class 54 Rating, Add	*1,009.18*	
		For Class 55 Rating, Add	*1,505.12*	
		For Class 56 Rating, Add	*1,994.39*	
40 05 19 00-2187	EA	8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,624.54	518.48
		For Class 52 Rating, Deduct	*-752.29*	
		For Class 54 Rating, Add	*1,035.27*	
		For Class 55 Rating, Add	*1,543.94*	
		For Class 56 Rating, Add	*2,045.77*	
40 05 19 00-2188	EA	8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,804.33	522.70
		For Class 52 Rating, Deduct	*-771.36*	
		For Class 54 Rating, Add	*1,061.36*	
		For Class 55 Rating, Add	*1,582.76*	
		For Class 56 Rating, Add	*2,097.16*	
40 05 19 00-2189	EA	8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,984.12	526.92
		For Class 52 Rating, Deduct	*-790.43*	
		For Class 54 Rating, Add	*1,087.45*	
		For Class 55 Rating, Add	*1,621.59*	
		For Class 56 Rating, Add	*2,148.54*	
40 05 19 00-2190	EA	8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,163.92	531.13
		For Class 52 Rating, Deduct	*-809.51*	
		For Class 54 Rating, Add	*1,113.53*	
		For Class 55 Rating, Add	*1,660.41*	
		For Class 56 Rating, Add	*2,199.93*	
40 05 19 00-2191	EA	8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,343.72	535.34
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,139.62*	
		For Class 55 Rating, Add	*1,699.23*	
		For Class 56 Rating, Add	*2,251.31*	
40 05 19 00-2192	EA	8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,523.51	539.56
		For Class 52 Rating, Deduct	*-847.66*	
		For Class 54 Rating, Add	*1,165.71*	
		For Class 55 Rating, Add	*1,738.06*	
		For Class 56 Rating, Add	*2,302.70*	
40 05 19 00-2193	EA	8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,703.30	543.77
		For Class 52 Rating, Deduct	*-866.73*	
		For Class 54 Rating, Add	*1,191.80*	
		For Class 55 Rating, Add	*1,776.88*	
		For Class 56 Rating, Add	*2,354.08*	
40 05 19 00-2194	EA	8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,883.10	547.99
		For Class 52 Rating, Deduct	*-885.81*	
		For Class 54 Rating, Add	*1,217.88*	
		For Class 55 Rating, Add	*1,815.70*	
		For Class 56 Rating, Add	*2,405.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2195		10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2196	EA	10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,589.34	472.12
		For Class 52 Rating, Deduct	*-206.14*	
		For Class 54 Rating, Add	*289.69*	
		For Class 55 Rating, Add	*435.07*	
		For Class 56 Rating, Add	*578.59*	
40 05 19 00-2197	EA	10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,820.86	476.33
		For Class 52 Rating, Deduct	*-230.91*	
		For Class 54 Rating, Add	*323.53*	
		For Class 55 Rating, Add	*485.43*	
		For Class 56 Rating, Add	*645.23*	
40 05 19 00-2198	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,052.37	480.55
		For Class 52 Rating, Deduct	*-255.67*	
		For Class 54 Rating, Add	*357.38*	
		For Class 55 Rating, Add	*535.79*	
		For Class 56 Rating, Add	*711.87*	
40 05 19 00-2199	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,283.88	484.76
		For Class 52 Rating, Deduct	*-280.43*	
		For Class 54 Rating, Add	*391.22*	
		For Class 55 Rating, Add	*586.14*	
		For Class 56 Rating, Add	*778.51*	
40 05 19 00-2200	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,515.39	488.97
		For Class 52 Rating, Deduct	*-305.20*	
		For Class 54 Rating, Add	*425.07*	
		For Class 55 Rating, Add	*636.50*	
		For Class 56 Rating, Add	*845.15*	
40 05 19 00-2201	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,746.91	493.20
		For Class 52 Rating, Deduct	*-329.96*	
		For Class 54 Rating, Add	*458.91*	
		For Class 55 Rating, Add	*686.86*	
		For Class 56 Rating, Add	*911.80*	
40 05 19 00-2202	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,978.42	497.41
		For Class 52 Rating, Deduct	*-354.72*	
		For Class 54 Rating, Add	*492.76*	
		For Class 55 Rating, Add	*737.21*	
		For Class 56 Rating, Add	*978.44*	
40 05 19 00-2203	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,209.93	501.62
		For Class 52 Rating, Deduct	*-379.49*	
		For Class 54 Rating, Add	*526.61*	
		For Class 55 Rating, Add	*787.57*	
		For Class 56 Rating, Add	*1,045.08*	
40 05 19 00-2204	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,441.45	505.84
		For Class 52 Rating, Deduct	*-404.25*	
		For Class 54 Rating, Add	*560.45*	
		For Class 55 Rating, Add	*837.93*	
		For Class 56 Rating, Add	*1,111.72*	
40 05 19 00-2205	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,672.96	510.05
		For Class 52 Rating, Deduct	*-429.02*	
		For Class 54 Rating, Add	*594.30*	
		For Class 55 Rating, Add	*888.28*	
		For Class 56 Rating, Add	*1,178.37*	
40 05 19 00-2206	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,904.47	514.27
		For Class 52 Rating, Deduct	*-453.78*	
		For Class 54 Rating, Add	*628.14*	
		For Class 55 Rating, Add	*938.64*	
		For Class 56 Rating, Add	*1,245.01*	
40 05 19 00-2207	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,135.98	518.48
		For Class 52 Rating, Deduct	*-478.54*	
		For Class 54 Rating, Add	*661.99*	
		For Class 55 Rating, Add	*988.99*	
		For Class 56 Rating, Add	*1,311.65*	
40 05 19 00-2208	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,367.50	522.70
		For Class 52 Rating, Deduct	*-503.31*	
		For Class 54 Rating, Add	*695.83*	
		For Class 55 Rating, Add	*1,039.35*	
		For Class 56 Rating, Add	*1,378.29*	
40 05 19 00-2209	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,599.00	526.92
		For Class 52 Rating, Deduct	*-528.07*	
		For Class 54 Rating, Add	*729.68*	
		For Class 55 Rating, Add	*1,089.71*	
		For Class 56 Rating, Add	*1,444.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2210	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,830.52	531.13
		For Class 52 Rating, Deduct	*-552.84*	
		For Class 54 Rating, Add	*763.52*	
		For Class 55 Rating, Add	*1,140.06*	
		For Class 56 Rating, Add	*1,511.58*	
40 05 19 00-2211	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,062.04	535.34
		For Class 52 Rating, Deduct	*-577.60*	
		For Class 54 Rating, Add	*797.37*	
		For Class 55 Rating, Add	*1,190.42*	
		For Class 56 Rating, Add	*1,578.22*	
40 05 19 00-2212	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,293.55	539.56
		For Class 52 Rating, Deduct	*-602.36*	
		For Class 54 Rating, Add	*831.21*	
		For Class 55 Rating, Add	*1,240.78*	
		For Class 56 Rating, Add	*1,644.86*	
40 05 19 00-2213	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,525.06	543.77
		For Class 52 Rating, Deduct	*-627.13*	
		For Class 54 Rating, Add	*865.06*	
		For Class 55 Rating, Add	*1,291.13*	
		For Class 56 Rating, Add	*1,711.50*	
40 05 19 00-2214	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,756.57	547.99
		For Class 52 Rating, Deduct	*-651.89*	
		For Class 54 Rating, Add	*898.91*	
		For Class 55 Rating, Add	*1,341.49*	
		For Class 56 Rating, Add	*1,778.14*	
40 05 19 00-2215	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,988.09	552.21
		For Class 52 Rating, Deduct	*-676.66*	
		For Class 54 Rating, Add	*932.75*	
		For Class 55 Rating, Add	*1,391.84*	
		For Class 56 Rating, Add	*1,844.79*	
40 05 19 00-2216	EA	10" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,219.60	556.42
		For Class 52 Rating, Deduct	*-701.42*	
		For Class 54 Rating, Add	*966.60*	
		For Class 55 Rating, Add	*1,442.20*	
		For Class 56 Rating, Add	*1,911.43*	
40 05 19 00-2217	EA	10" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,451.11	560.64
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*1,000.44*	
		For Class 55 Rating, Add	*1,492.56*	
		For Class 56 Rating, Add	*1,978.07*	
40 05 19 00-2218	EA	10" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,682.63	564.85
		For Class 52 Rating, Deduct	*-750.95*	
		For Class 54 Rating, Add	*1,034.29*	
		For Class 55 Rating, Add	*1,542.91*	
		For Class 56 Rating, Add	*2,044.71*	
40 05 19 00-2219	EA	10" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,914.13	569.07
		For Class 52 Rating, Deduct	*-775.71*	
		For Class 54 Rating, Add	*1,068.13*	
		For Class 55 Rating, Add	*1,593.27*	
		For Class 56 Rating, Add	*2,111.35*	
40 05 19 00-2220	EA	10" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,145.65	573.28
		For Class 52 Rating, Deduct	*-800.47*	
		For Class 54 Rating, Add	*1,101.98*	
		For Class 55 Rating, Add	*1,643.63*	
		For Class 56 Rating, Add	*2,178.00*	
40 05 19 00-2221	EA	10" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,377.16	577.49
		For Class 52 Rating, Deduct	*-825.24*	
		For Class 54 Rating, Add	*1,135.82*	
		For Class 55 Rating, Add	*1,693.98*	
		For Class 56 Rating, Add	*2,244.64*	
40 05 19 00-2222	EA	10" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,608.68	581.72
		For Class 52 Rating, Deduct	*-850.00*	
		For Class 54 Rating, Add	*1,169.67*	
		For Class 55 Rating, Add	*1,744.34*	
		For Class 56 Rating, Add	*2,311.28*	
40 05 19 00-2223	EA	10" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,840.19	585.93
		For Class 52 Rating, Deduct	*-874.77*	
		For Class 54 Rating, Add	*1,203.52*	
		For Class 55 Rating, Add	*1,794.70*	
		For Class 56 Rating, Add	*2,377.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2224	EA	10" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,071.70	590.14
		For Class 52 Rating, Deduct	*-899.53*	
		For Class 54 Rating, Add	*1,237.36*	
		For Class 55 Rating, Add	*1,845.05*	
		For Class 56 Rating, Add	*2,444.56*	
40 05 19 00-2225	EA	10" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,303.22	594.36
		For Class 52 Rating, Deduct	*-924.29*	
		For Class 54 Rating, Add	*1,271.21*	
		For Class 55 Rating, Add	*1,895.41*	
		For Class 56 Rating, Add	*2,511.21*	
40 05 19 00-2226	EA	10" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,534.72	598.57
		For Class 52 Rating, Deduct	*-949.06*	
		For Class 54 Rating, Add	*1,305.05*	
		For Class 55 Rating, Add	*1,945.76*	
		For Class 56 Rating, Add	*2,577.85*	
40 05 19 00-2227	EA	10" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,766.24	602.79
		For Class 52 Rating, Deduct	*-973.82*	
		For Class 54 Rating, Add	*1,338.90*	
		For Class 55 Rating, Add	*1,996.12*	
		For Class 56 Rating, Add	*2,644.49*	
40 05 19 00-2228	EA	10" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,997.75	607.01
		For Class 52 Rating, Deduct	*-998.58*	
		For Class 54 Rating, Add	*1,372.74*	
		For Class 55 Rating, Add	*2,046.48*	
		For Class 56 Rating, Add	*2,711.13*	
40 05 19 00-2229	EA	10" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,229.26	611.22
		For Class 52 Rating, Deduct	*-1,023.35*	
		For Class 54 Rating, Add	*1,406.59*	
		For Class 55 Rating, Add	*2,096.83*	
		For Class 56 Rating, Add	*2,777.77*	
40 05 19 00-2230	EA	10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,460.78	615.44
		For Class 52 Rating, Deduct	*-1,048.11*	
		For Class 54 Rating, Add	*1,440.43*	
		For Class 55 Rating, Add	*2,147.19*	
		For Class 56 Rating, Add	*2,844.42*	
40 05 19 00-2231	EA	10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,692.29	619.65
		For Class 52 Rating, Deduct	*-1,072.88*	
		For Class 54 Rating, Add	*1,474.28*	
		For Class 55 Rating, Add	*2,197.55*	
		For Class 56 Rating, Add	*2,911.06*	
40 05 19 00-2232	EA	10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,923.81	623.86
		For Class 52 Rating, Deduct	*-1,097.64*	
		For Class 54 Rating, Add	*1,508.13*	
		For Class 55 Rating, Add	*2,247.90*	
		For Class 56 Rating, Add	*2,977.70*	
40 05 19 00-2233	EA	10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,155.31	628.08
		For Class 52 Rating, Deduct	*-1,122.40*	
		For Class 54 Rating, Add	*1,541.97*	
		For Class 55 Rating, Add	*2,298.26*	
		For Class 56 Rating, Add	*3,044.34*	
40 05 19 00-2234	EA	10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,386.83	632.29
		For Class 52 Rating, Deduct	*-1,147.17*	
		For Class 54 Rating, Add	*1,575.82*	
		For Class 55 Rating, Add	*2,348.62*	
		For Class 56 Rating, Add	*3,110.99*	

40 05 19 00-2235 12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2236	EA	12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,388.80	590.14
		For Class 52 Rating, Deduct	*-274.41*	
		For Class 54 Rating, Add	*384.93*	
		For Class 55 Rating, Add	*577.76*	
		For Class 56 Rating, Add	*768.11*	
40 05 19 00-2237	EA	12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,675.07	594.36
		For Class 52 Rating, Deduct	*-305.20*	
		For Class 54 Rating, Add	*426.98*	
		For Class 55 Rating, Add	*640.33*	
		For Class 56 Rating, Add	*850.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2238	EA	12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,961.34	598.57
		For Class 52 Rating, Deduct	*-335.99*	
		For Class 54 Rating, Add	*469.04*	
		For Class 55 Rating, Add	*702.90*	
		For Class 56 Rating, Add	*933.70*	
40 05 19 00-2239	EA	12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,247.62	602.79
		For Class 52 Rating, Deduct	*-366.77*	
		For Class 54 Rating, Add	*511.10*	
		For Class 55 Rating, Add	*765.47*	
		For Class 56 Rating, Add	*1,016.50*	
40 05 19 00-2240	EA	12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,533.89	607.01
		For Class 52 Rating, Deduct	*-397.56*	
		For Class 54 Rating, Add	*553.16*	
		For Class 55 Rating, Add	*828.04*	
		For Class 56 Rating, Add	*1,099.29*	
40 05 19 00-2241	EA	12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,820.16	611.22
		For Class 52 Rating, Deduct	*-428.35*	
		For Class 54 Rating, Add	*595.22*	
		For Class 55 Rating, Add	*890.60*	
		For Class 56 Rating, Add	*1,182.09*	
40 05 19 00-2242	EA	12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,106.43	615.44
		For Class 52 Rating, Deduct	*-459.13*	
		For Class 54 Rating, Add	*637.28*	
		For Class 55 Rating, Add	*953.17*	
		For Class 56 Rating, Add	*1,264.88*	
40 05 19 00-2243	EA	12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,392.71	619.65
		For Class 52 Rating, Deduct	*-489.92*	
		For Class 54 Rating, Add	*679.34*	
		For Class 55 Rating, Add	*1,015.74*	
		For Class 56 Rating, Add	*1,347.68*	
40 05 19 00-2244	EA	12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,678.99	623.86
		For Class 52 Rating, Deduct	*-520.71*	
		For Class 54 Rating, Add	*721.40*	
		For Class 55 Rating, Add	*1,078.31*	
		For Class 56 Rating, Add	*1,430.48*	
40 05 19 00-2245	EA	12" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,965.25	628.08
		For Class 52 Rating, Deduct	*-551.50*	
		For Class 54 Rating, Add	*763.46*	
		For Class 55 Rating, Add	*1,140.87*	
		For Class 56 Rating, Add	*1,513.27*	
40 05 19 00-2246	EA	12" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,251.53	632.29
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*805.52*	
		For Class 55 Rating, Add	*1,203.44*	
		For Class 56 Rating, Add	*1,596.07*	
40 05 19 00-2247	EA	12" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,537.80	636.52
		For Class 52 Rating, Deduct	*-613.07*	
		For Class 54 Rating, Add	*847.58*	
		For Class 55 Rating, Add	*1,266.01*	
		For Class 56 Rating, Add	*1,678.87*	
40 05 19 00-2248	EA	12" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,824.07	640.73
		For Class 52 Rating, Deduct	*-643.86*	
		For Class 54 Rating, Add	*889.64*	
		For Class 55 Rating, Add	*1,328.58*	
		For Class 56 Rating, Add	*1,761.66*	
40 05 19 00-2249	EA	12" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,110.35	644.94
		For Class 52 Rating, Deduct	*-674.65*	
		For Class 54 Rating, Add	*931.70*	
		For Class 55 Rating, Add	*1,391.15*	
		For Class 56 Rating, Add	*1,844.46*	
40 05 19 00-2250	EA	12" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,396.62	649.16
		For Class 52 Rating, Deduct	*-705.43*	
		For Class 54 Rating, Add	*973.76*	
		For Class 55 Rating, Add	*1,453.71*	
		For Class 56 Rating, Add	*1,927.26*	
40 05 19 00-2251	EA	12" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,682.89	653.37
		For Class 52 Rating, Deduct	*-736.22*	
		For Class 54 Rating, Add	*1,015.82*	
		For Class 55 Rating, Add	*1,516.28*	
		For Class 56 Rating, Add	*2,010.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2252	EA	12" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,969.16	657.59
		For Class 52 Rating, Deduct	*-767.01*	
		For Class 54 Rating, Add	*1,057.88*	
		For Class 55 Rating, Add	*1,578.85*	
		For Class 56 Rating, Add	*2,092.85*	
40 05 19 00-2253	EA	12" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,255.44	661.80
		For Class 52 Rating, Deduct	*-797.80*	
		For Class 54 Rating, Add	*1,099.94*	
		For Class 55 Rating, Add	*1,641.42*	
		For Class 56 Rating, Add	*2,175.65*	
40 05 19 00-2254	EA	12" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,541.72	666.02
		For Class 52 Rating, Deduct	*-828.58*	
		For Class 54 Rating, Add	*1,142.00*	
		For Class 55 Rating, Add	*1,703.99*	
		For Class 56 Rating, Add	*2,258.44*	
40 05 19 00-2255	EA	12" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,827.98	670.24
		For Class 52 Rating, Deduct	*-859.37*	
		For Class 54 Rating, Add	*1,184.06*	
		For Class 55 Rating, Add	*1,766.55*	
		For Class 56 Rating, Add	*2,341.24*	
40 05 19 00-2256	EA	12" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,114.25	674.45
		For Class 52 Rating, Deduct	*-890.16*	
		For Class 54 Rating, Add	*1,226.12*	
		For Class 55 Rating, Add	*1,829.12*	
		For Class 56 Rating, Add	*2,424.03*	
40 05 19 00-2257	EA	12" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,400.52	678.66
		For Class 52 Rating, Deduct	*-920.95*	
		For Class 54 Rating, Add	*1,268.18*	
		For Class 55 Rating, Add	*1,891.69*	
		For Class 56 Rating, Add	*2,506.83*	
40 05 19 00-2258	EA	12" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,686.79	682.88
		For Class 52 Rating, Deduct	*-951.73*	
		For Class 54 Rating, Add	*1,310.24*	
		For Class 55 Rating, Add	*1,954.26*	
		For Class 56 Rating, Add	*2,589.63*	
40 05 19 00-2259	EA	12" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,973.07	687.09
		For Class 52 Rating, Deduct	*-982.52*	
		For Class 54 Rating, Add	*1,352.30*	
		For Class 55 Rating, Add	*2,016.83*	
		For Class 56 Rating, Add	*2,672.42*	
40 05 19 00-2260	EA	12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,256.30	691.32
		For Class 52 Rating, Deduct	*-1,012.97*	
		For Class 54 Rating, Add	*1,393.90*	
		For Class 55 Rating, Add	*2,078.71*	
		For Class 56 Rating, Add	*2,754.32*	
40 05 19 00-2261	EA	12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,545.61	695.53
		For Class 52 Rating, Deduct	*-1,044.10*	
		For Class 54 Rating, Add	*1,436.41*	
		For Class 55 Rating, Add	*2,141.96*	
		For Class 56 Rating, Add	*2,838.02*	
40 05 19 00-2262	EA	12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,831.88	699.74
		For Class 52 Rating, Deduct	*-1,074.88*	
		For Class 54 Rating, Add	*1,478.47*	
		For Class 55 Rating, Add	*2,204.53*	
		For Class 56 Rating, Add	*2,920.81*	
40 05 19 00-2263	EA	12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,118.16	703.96
		For Class 52 Rating, Deduct	*-1,105.67*	
		For Class 54 Rating, Add	*1,520.53*	
		For Class 55 Rating, Add	*2,267.10*	
		For Class 56 Rating, Add	*3,003.61*	
40 05 19 00-2264	EA	12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,404.44	708.17
		For Class 52 Rating, Deduct	*-1,136.46*	
		For Class 54 Rating, Add	*1,562.59*	
		For Class 55 Rating, Add	*2,329.67*	
		For Class 56 Rating, Add	*3,086.41*	
40 05 19 00-2265	EA	12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,690.70	712.39
		For Class 52 Rating, Deduct	*-1,167.25*	
		For Class 54 Rating, Add	*1,604.65*	
		For Class 55 Rating, Add	*2,392.23*	
		For Class 56 Rating, Add	*3,169.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2266	EA	12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,976.98	716.60
		For Class 52 Rating, Deduct	*-1,198.03*	
		For Class 54 Rating, Add	*1,646.71*	
		For Class 55 Rating, Add	*2,454.80*	
		For Class 56 Rating, Add	*3,252.00*	
40 05 19 00-2267	EA	12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,263.26	720.82
		For Class 52 Rating, Deduct	*-1,228.82*	
		For Class 54 Rating, Add	*1,688.77*	
		For Class 55 Rating, Add	*2,517.37*	
		For Class 56 Rating, Add	*3,334.79*	
40 05 19 00-2268	EA	12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,549.52	725.04
		For Class 52 Rating, Deduct	*-1,259.61*	
		For Class 54 Rating, Add	*1,730.83*	
		For Class 55 Rating, Add	*2,579.94*	
		For Class 56 Rating, Add	*3,417.59*	
40 05 19 00-2269	EA	12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,835.80	729.25
		For Class 52 Rating, Deduct	*-1,290.40*	
		For Class 54 Rating, Add	*1,772.89*	
		For Class 55 Rating, Add	*2,642.50*	
		For Class 56 Rating, Add	*3,500.39*	
40 05 19 00-2270	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,122.07	733.46
		For Class 52 Rating, Deduct	*-1,321.18*	
		For Class 54 Rating, Add	*1,814.95*	
		For Class 55 Rating, Add	*2,705.07*	
		For Class 56 Rating, Add	*3,583.18*	
40 05 19 00-2271	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,408.34	737.68
		For Class 52 Rating, Deduct	*-1,351.97*	
		For Class 54 Rating, Add	*1,857.01*	
		For Class 55 Rating, Add	*2,767.64*	
		For Class 56 Rating, Add	*3,665.98*	
40 05 19 00-2272	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,694.62	741.89
		For Class 52 Rating, Deduct	*-1,382.76*	
		For Class 54 Rating, Add	*1,899.07*	
		For Class 55 Rating, Add	*2,830.21*	
		For Class 56 Rating, Add	*3,748.78*	
40 05 19 00-2273	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,980.89	746.11
		For Class 52 Rating, Deduct	*-1,413.55*	
		For Class 54 Rating, Add	*1,941.13*	
		For Class 55 Rating, Add	*2,892.77*	
		For Class 56 Rating, Add	*3,831.57*	
40 05 19 00-2274	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,267.17	750.33
		For Class 52 Rating, Deduct	*-1,444.33*	
		For Class 54 Rating, Add	*1,983.19*	
		For Class 55 Rating, Add	*2,955.34*	
		For Class 56 Rating, Add	*3,914.37*	

40 05 19 00-2275 14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2276	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,544.19	708.17
		For Class 52 Rating, Deduct	*-381.83*	
		For Class 54 Rating, Add	*533.56*	
		For Class 55 Rating, Add	*799.83*	
		For Class 56 Rating, Add	*1,062.63*	
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,891.30	712.39
		For Class 52 Rating, Deduct	*-419.31*	
		For Class 54 Rating, Add	*584.74*	
		For Class 55 Rating, Add	*875.97*	
		For Class 56 Rating, Add	*1,163.38*	
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,238.42	716.60
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*635.93*	
		For Class 55 Rating, Add	*952.10*	
		For Class 56 Rating, Add	*1,264.12*	
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,585.54	720.82
		For Class 52 Rating, Deduct	*-494.27*	
		For Class 54 Rating, Add	*687.11*	
		For Class 55 Rating, Add	*1,028.24*	
		For Class 56 Rating, Add	*1,364.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,932.65	725.04
		For Class 52 Rating, Deduct	*-531.75*	
		For Class 54 Rating, Add	*738.30*	
		For Class 55 Rating, Add	*1,104.37*	
		For Class 56 Rating, Add	*1,465.61*	
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,279.77	729.25
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*789.49*	
		For Class 55 Rating, Add	*1,180.51*	
		For Class 56 Rating, Add	*1,566.36*	
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,626.89	733.46
		For Class 52 Rating, Deduct	*-606.71*	
		For Class 54 Rating, Add	*840.67*	
		For Class 55 Rating, Add	*1,256.65*	
		For Class 56 Rating, Add	*1,667.10*	
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,974.00	737.68
		For Class 52 Rating, Deduct	*-644.19*	
		For Class 54 Rating, Add	*891.86*	
		For Class 55 Rating, Add	*1,332.78*	
		For Class 56 Rating, Add	*1,767.85*	
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,321.12	741.89
		For Class 52 Rating, Deduct	*-681.67*	
		For Class 54 Rating, Add	*943.04*	
		For Class 55 Rating, Add	*1,408.92*	
		For Class 56 Rating, Add	*1,868.59*	
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,668.24	746.11
		For Class 52 Rating, Deduct	*-719.15*	
		For Class 54 Rating, Add	*994.23*	
		For Class 55 Rating, Add	*1,485.05*	
		For Class 56 Rating, Add	*1,969.34*	
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,015.36	750.33
		For Class 52 Rating, Deduct	*-756.64*	
		For Class 54 Rating, Add	*1,045.42*	
		For Class 55 Rating, Add	*1,561.19*	
		For Class 56 Rating, Add	*2,070.08*	
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,362.48	754.54
		For Class 52 Rating, Deduct	*-794.12*	
		For Class 54 Rating, Add	*1,096.60*	
		For Class 55 Rating, Add	*1,637.33*	
		For Class 56 Rating, Add	*2,170.83*	
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,709.60	758.76
		For Class 52 Rating, Deduct	*-831.60*	
		For Class 54 Rating, Add	*1,147.79*	
		For Class 55 Rating, Add	*1,713.46*	
		For Class 56 Rating, Add	*2,271.58*	
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,056.72	762.97
		For Class 52 Rating, Deduct	*-869.08*	
		For Class 54 Rating, Add	*1,198.98*	
		For Class 55 Rating, Add	*1,789.60*	
		For Class 56 Rating, Add	*2,372.32*	
40 05 19 00-2290	EA	14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,403.83	767.18
		For Class 52 Rating, Deduct	*-906.56*	
		For Class 54 Rating, Add	*1,250.16*	
		For Class 55 Rating, Add	*1,865.74*	
		For Class 56 Rating, Add	*2,473.07*	
40 05 19 00-2291	EA	14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,750.95	771.40
		For Class 52 Rating, Deduct	*-944.04*	
		For Class 54 Rating, Add	*1,301.35*	
		For Class 55 Rating, Add	*1,941.87*	
		For Class 56 Rating, Add	*2,573.81*	
40 05 19 00-2292	EA	14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,098.07	775.62
		For Class 52 Rating, Deduct	*-981.52*	
		For Class 54 Rating, Add	*1,352.54*	
		For Class 55 Rating, Add	*2,018.01*	
		For Class 56 Rating, Add	*2,674.56*	
40 05 19 00-2293	EA	14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,445.18	779.84
		For Class 52 Rating, Deduct	*-1,019.00*	
		For Class 54 Rating, Add	*1,403.72*	
		For Class 55 Rating, Add	*2,094.14*	
		For Class 56 Rating, Add	*2,775.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2294	EA	14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,792.30	784.05
		For Class 52 Rating, Deduct	*-1,056.48*	
		For Class 54 Rating, Add	*1,454.91*	
		For Class 55 Rating, Add	*2,170.28*	
		For Class 56 Rating, Add	*2,876.05*	
40 05 19 00-2295	EA	14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,139.42	788.26
		For Class 52 Rating, Deduct	*-1,093.96*	
		For Class 54 Rating, Add	*1,506.09*	
		For Class 55 Rating, Add	*2,246.42*	
		For Class 56 Rating, Add	*2,976.79*	
40 05 19 00-2296	EA	14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,486.54	792.48
		For Class 52 Rating, Deduct	*-1,131.44*	
		For Class 54 Rating, Add	*1,557.28*	
		For Class 55 Rating, Add	*2,322.55*	
		For Class 56 Rating, Add	*3,077.54*	
40 05 19 00-2297	EA	14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,833.65	796.69
		For Class 52 Rating, Deduct	*-1,168.92*	
		For Class 54 Rating, Add	*1,608.47*	
		For Class 55 Rating, Add	*2,398.69*	
		For Class 56 Rating, Add	*3,178.29*	
40 05 19 00-2298	EA	14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,180.78	800.91
		For Class 52 Rating, Deduct	*-1,206.40*	
		For Class 54 Rating, Add	*1,659.65*	
		For Class 55 Rating, Add	*2,474.83*	
		For Class 56 Rating, Add	*3,279.03*	
40 05 19 00-2299	EA	14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,527.90	805.13
		For Class 52 Rating, Deduct	*-1,243.88*	
		For Class 54 Rating, Add	*1,710.84*	
		For Class 55 Rating, Add	*2,550.96*	
		For Class 56 Rating, Add	*3,379.78*	
40 05 19 00-2300	EA	14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,875.01	809.34
		For Class 52 Rating, Deduct	*-1,281.36*	
		For Class 54 Rating, Add	*1,762.03*	
		For Class 55 Rating, Add	*2,627.10*	
		For Class 56 Rating, Add	*3,480.52*	
40 05 19 00-2301	EA	14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,222.13	813.56
		For Class 52 Rating, Deduct	*-1,318.84*	
		For Class 54 Rating, Add	*1,813.21*	
		For Class 55 Rating, Add	*2,703.24*	
		For Class 56 Rating, Add	*3,581.27*	
40 05 19 00-2302	EA	14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,569.25	817.77
		For Class 52 Rating, Deduct	*-1,356.32*	
		For Class 54 Rating, Add	*1,864.40*	
		For Class 55 Rating, Add	*2,779.37*	
		For Class 56 Rating, Add	*3,682.01*	
40 05 19 00-2303	EA	14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,916.36	821.98
		For Class 52 Rating, Deduct	*-1,393.80*	
		For Class 54 Rating, Add	*1,915.58*	
		For Class 55 Rating, Add	*2,855.51*	
		For Class 56 Rating, Add	*3,782.76*	
40 05 19 00-2304	EA	14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,263.48	826.20
		For Class 52 Rating, Deduct	*-1,431.28*	
		For Class 54 Rating, Add	*1,966.77*	
		For Class 55 Rating, Add	*2,931.64*	
		For Class 56 Rating, Add	*3,883.51*	
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,610.60	830.41
		For Class 52 Rating, Deduct	*-1,468.76*	
		For Class 54 Rating, Add	*2,017.96*	
		For Class 55 Rating, Add	*3,007.78*	
		For Class 56 Rating, Add	*3,984.25*	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,957.72	834.64
		For Class 52 Rating, Deduct	*-1,506.24*	
		For Class 54 Rating, Add	*2,069.14*	
		For Class 55 Rating, Add	*3,083.92*	
		For Class 56 Rating, Add	*4,085.00*	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,304.83	838.85
		For Class 52 Rating, Deduct	*-1,543.72*	
		For Class 54 Rating, Add	*2,120.33*	
		For Class 55 Rating, Add	*3,160.05*	
		For Class 56 Rating, Add	*4,185.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,651.95	843.06
		For Class 52 Rating, Deduct	*-1,581.20*	
		For Class 54 Rating, Add	*2,171.52*	
		For Class 55 Rating, Add	*3,236.19*	
		For Class 56 Rating, Add	*4,286.49*	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,999.07	847.28
		For Class 52 Rating, Deduct	*-1,618.68*	
		For Class 54 Rating, Add	*2,222.70*	
		For Class 55 Rating, Add	*3,312.32*	
		For Class 56 Rating, Add	*4,387.23*	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,346.19	851.49
		For Class 52 Rating, Deduct	*-1,656.17*	
		For Class 54 Rating, Add	*2,273.89*	
		For Class 55 Rating, Add	*3,388.46*	
		For Class 56 Rating, Add	*4,487.98*	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,693.31	855.70
		For Class 52 Rating, Deduct	*-1,693.65*	
		For Class 54 Rating, Add	*2,325.08*	
		For Class 55 Rating, Add	*3,464.60*	
		For Class 56 Rating, Add	*4,588.73*	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,040.43	859.93
		For Class 52 Rating, Deduct	*-1,731.13*	
		For Class 54 Rating, Add	*2,376.26*	
		For Class 55 Rating, Add	*3,540.73*	
		For Class 56 Rating, Add	*4,689.47*	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,387.54	864.14
		For Class 52 Rating, Deduct	*-1,768.61*	
		For Class 54 Rating, Add	*2,427.45*	
		For Class 55 Rating, Add	*3,616.87*	
		For Class 56 Rating, Add	*4,790.22*	

40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,333.29	809.34
		For Class 52 Rating, Deduct	*-451.77*	
		For Class 54 Rating, Add	*630.77*	
		For Class 55 Rating, Add	*945.30*	
		For Class 56 Rating, Add	*1,255.72*	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,735.18	813.56
		For Class 52 Rating, Deduct	*-495.28*	
		For Class 54 Rating, Add	*690.17*	
		For Class 55 Rating, Add	*1,033.65*	
		For Class 56 Rating, Add	*1,372.62*	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,137.06	817.77
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*749.57*	
		For Class 55 Rating, Add	*1,121.99*	
		For Class 56 Rating, Add	*1,489.52*	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,538.93	821.98
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*808.97*	
		For Class 55 Rating, Add	*1,210.34*	
		For Class 56 Rating, Add	*1,606.42*	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,940.81	826.20
		For Class 52 Rating, Deduct	*-625.79*	
		For Class 54 Rating, Add	*868.37*	
		For Class 55 Rating, Add	*1,298.69*	
		For Class 56 Rating, Add	*1,723.32*	
40 05 19 00-2320	EA	16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,342.69	830.41
		For Class 52 Rating, Deduct	*-669.29*	
		For Class 54 Rating, Add	*927.77*	
		For Class 55 Rating, Add	*1,387.04*	
		For Class 56 Rating, Add	*1,840.22*	
40 05 19 00-2321	EA	16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,744.57	834.64
		For Class 52 Rating, Deduct	*-712.80*	
		For Class 54 Rating, Add	*987.17*	
		For Class 55 Rating, Add	*1,475.38*	
		For Class 56 Rating, Add	*1,957.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2322	EA	16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,146.44	838.85
		For Class 52 Rating, Deduct	*-756.30*	
		For Class 54 Rating, Add	*1,046.57*	
		For Class 55 Rating, Add	*1,563.73*	
		For Class 56 Rating, Add	*2,074.02*	
40 05 19 00-2323	EA	16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,548.32	843.06
		For Class 52 Rating, Deduct	*-799.80*	
		For Class 54 Rating, Add	*1,105.97*	
		For Class 55 Rating, Add	*1,652.08*	
		For Class 56 Rating, Add	*2,190.92*	
40 05 19 00-2324	EA	16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,950.20	847.28
		For Class 52 Rating, Deduct	*-843.31*	
		For Class 54 Rating, Add	*1,165.37*	
		For Class 55 Rating, Add	*1,740.43*	
		For Class 56 Rating, Add	*2,307.82*	
40 05 19 00-2325	EA	16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,352.08	851.49
		For Class 52 Rating, Deduct	*-886.81*	
		For Class 54 Rating, Add	*1,224.77*	
		For Class 55 Rating, Add	*1,828.78*	
		For Class 56 Rating, Add	*2,424.72*	
40 05 19 00-2326	EA	16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,753.96	855.70
		For Class 52 Rating, Deduct	*-930.32*	
		For Class 54 Rating, Add	*1,284.17*	
		For Class 55 Rating, Add	*1,917.12*	
		For Class 56 Rating, Add	*2,541.62*	
40 05 19 00-2327	EA	16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,155.84	859.93
		For Class 52 Rating, Deduct	*-973.82*	
		For Class 54 Rating, Add	*1,343.57*	
		For Class 55 Rating, Add	*2,005.47*	
		For Class 56 Rating, Add	*2,658.52*	
40 05 19 00-2328	EA	16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,557.71	864.14
		For Class 52 Rating, Deduct	*-1,017.33*	
		For Class 54 Rating, Add	*1,402.97*	
		For Class 55 Rating, Add	*2,093.82*	
		For Class 56 Rating, Add	*2,775.42*	
40 05 19 00-2329	EA	16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,959.59	868.36
		For Class 52 Rating, Deduct	*-1,060.83*	
		For Class 54 Rating, Add	*1,462.37*	
		For Class 55 Rating, Add	*2,182.17*	
		For Class 56 Rating, Add	*2,892.32*	
40 05 19 00-2330	EA	16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,361.47	872.57
		For Class 52 Rating, Deduct	*-1,104.33*	
		For Class 54 Rating, Add	*1,521.77*	
		For Class 55 Rating, Add	*2,270.51*	
		For Class 56 Rating, Add	*3,009.21*	
40 05 19 00-2331	EA	16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,763.35	876.78
		For Class 52 Rating, Deduct	*-1,147.84*	
		For Class 54 Rating, Add	*1,581.17*	
		For Class 55 Rating, Add	*2,358.86*	
		For Class 56 Rating, Add	*3,126.11*	
40 05 19 00-2332	EA	16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,165.22	881.00
		For Class 52 Rating, Deduct	*-1,191.34*	
		For Class 54 Rating, Add	*1,640.57*	
		For Class 55 Rating, Add	*2,447.21*	
		For Class 56 Rating, Add	*3,243.01*	
40 05 19 00-2333	EA	16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,567.11	885.21
		For Class 52 Rating, Deduct	*-1,234.85*	
		For Class 54 Rating, Add	*1,699.98*	
		For Class 55 Rating, Add	*2,535.56*	
		For Class 56 Rating, Add	*3,359.92*	
40 05 19 00-2334	EA	16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,968.99	889.44
		For Class 52 Rating, Deduct	*-1,278.35*	
		For Class 54 Rating, Add	*1,759.38*	
		For Class 55 Rating, Add	*2,623.91*	
		For Class 56 Rating, Add	*3,476.82*	
40 05 19 00-2335	EA	16" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,370.86	893.65
		For Class 52 Rating, Deduct	*-1,321.85*	
		For Class 54 Rating, Add	*1,818.78*	
		For Class 55 Rating, Add	*2,712.25*	
		For Class 56 Rating, Add	*3,593.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2336	EA	16" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,772.74	897.86
		For Class 52 Rating, Deduct	*-1,365.36*	
		For Class 54 Rating, Add	*1,878.18*	
		For Class 55 Rating, Add	*2,800.60*	
		For Class 56 Rating, Add	*3,710.61*	
40 05 19 00-2337	EA	16" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,174.62	902.08
		For Class 52 Rating, Deduct	*-1,408.86*	
		For Class 54 Rating, Add	*1,937.58*	
		For Class 55 Rating, Add	*2,888.95*	
		For Class 56 Rating, Add	*3,827.51*	
40 05 19 00-2338	EA	16" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,576.49	906.29
		For Class 52 Rating, Deduct	*-1,452.37*	
		For Class 54 Rating, Add	*1,996.98*	
		For Class 55 Rating, Add	*2,977.30*	
		For Class 56 Rating, Add	*3,944.41*	
40 05 19 00-2339	EA	16" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,978.37	910.50
		For Class 52 Rating, Deduct	*-1,495.87*	
		For Class 54 Rating, Add	*2,056.38*	
		For Class 55 Rating, Add	*3,065.64*	
		For Class 56 Rating, Add	*4,061.31*	
40 05 19 00-2340	EA	16" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,380.25	914.72
		For Class 52 Rating, Deduct	*-1,539.37*	
		For Class 54 Rating, Add	*2,115.78*	
		For Class 55 Rating, Add	*3,153.99*	
		For Class 56 Rating, Add	*4,178.21*	
40 05 19 00-2341	EA	16" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,782.14	918.94
		For Class 52 Rating, Deduct	*-1,582.88*	
		For Class 54 Rating, Add	*2,175.18*	
		For Class 55 Rating, Add	*3,242.34*	
		For Class 56 Rating, Add	*4,295.12*	
40 05 19 00-2342	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,184.01	923.16
		For Class 52 Rating, Deduct	*-1,626.38*	
		For Class 54 Rating, Add	*2,234.58*	
		For Class 55 Rating, Add	*3,330.69*	
		For Class 56 Rating, Add	*4,412.01*	
40 05 19 00-2343	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,585.89	927.37
		For Class 52 Rating, Deduct	*-1,669.89*	
		For Class 54 Rating, Add	*2,293.98*	
		For Class 55 Rating, Add	*3,419.04*	
		For Class 56 Rating, Add	*4,528.91*	
40 05 19 00-2344	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,987.77	931.58
		For Class 52 Rating, Deduct	*-1,713.39*	
		For Class 54 Rating, Add	*2,353.38*	
		For Class 55 Rating, Add	*3,507.38*	
		For Class 56 Rating, Add	*4,645.81*	
40 05 19 00-2345	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,389.64	935.80
		For Class 52 Rating, Deduct	*-1,756.89*	
		For Class 54 Rating, Add	*2,412.78*	
		For Class 55 Rating, Add	*3,595.73*	
		For Class 56 Rating, Add	*4,762.71*	
40 05 19 00-2346	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,791.51	940.01
		For Class 52 Rating, Deduct	*-1,800.40*	
		For Class 54 Rating, Add	*2,472.18*	
		For Class 55 Rating, Add	*3,684.08*	
		For Class 56 Rating, Add	*4,879.61*	
40 05 19 00-2347	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,193.39	944.24
		For Class 52 Rating, Deduct	*-1,843.90*	
		For Class 54 Rating, Add	*2,531.58*	
		For Class 55 Rating, Add	*3,772.43*	
		For Class 56 Rating, Add	*4,996.51*	
40 05 19 00-2348	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,595.26	948.45
		For Class 52 Rating, Deduct	*-1,887.41*	
		For Class 54 Rating, Add	*2,590.98*	
		For Class 55 Rating, Add	*3,860.77*	
		For Class 56 Rating, Add	*5,113.41*	
40 05 19 00-2349	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,997.14	952.66
		For Class 52 Rating, Deduct	*-1,930.91*	
		For Class 54 Rating, Add	*2,650.38*	
		For Class 55 Rating, Add	*3,949.12*	
		For Class 56 Rating, Add	*5,230.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,399.03	956.88
		For Class 52 Rating, Deduct	*-1,974.41*	
		For Class 54 Rating, Add	*2,709.78*	
		For Class 55 Rating, Add	*4,037.47*	
		For Class 56 Rating, Add	*5,347.21*	
40 05 19 00-2351	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,800.91	961.09
		For Class 52 Rating, Deduct	*-2,017.92*	
		For Class 54 Rating, Add	*2,769.18*	
		For Class 55 Rating, Add	*4,125.82*	
		For Class 56 Rating, Add	*5,464.11*	
40 05 19 00-2352	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,202.78	965.30
		For Class 52 Rating, Deduct	*-2,061.42*	
		For Class 54 Rating, Add	*2,828.58*	
		For Class 55 Rating, Add	*4,214.17*	
		For Class 56 Rating, Add	*5,581.01*	

40 05 19 00-2353 18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2354	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,219.27	912.19
		For Class 52 Rating, Deduct	*-532.09*	
		For Class 54 Rating, Add	*742.16*	
		For Class 55 Rating, Add	*1,111.86*	
		For Class 56 Rating, Add	*1,476.72*	
40 05 19 00-2355	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,682.00	916.41
		For Class 52 Rating, Deduct	*-582.29*	
		For Class 54 Rating, Add	*810.69*	
		For Class 55 Rating, Add	*1,213.77*	
		For Class 56 Rating, Add	*1,611.57*	
40 05 19 00-2356	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,144.72	920.63
		For Class 52 Rating, Deduct	*-632.48*	
		For Class 54 Rating, Add	*879.21*	
		For Class 55 Rating, Add	*1,315.69*	
		For Class 56 Rating, Add	*1,746.42*	
40 05 19 00-2357	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,607.44	924.84
		For Class 52 Rating, Deduct	*-682.68*	
		For Class 54 Rating, Add	*947.74*	
		For Class 55 Rating, Add	*1,417.61*	
		For Class 56 Rating, Add	*1,881.27*	
40 05 19 00-2358	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,070.17	929.06
		For Class 52 Rating, Deduct	*-732.88*	
		For Class 54 Rating, Add	*1,016.27*	
		For Class 55 Rating, Add	*1,519.52*	
		For Class 56 Rating, Add	*2,016.12*	
40 05 19 00-2359	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,532.89	933.27
		For Class 52 Rating, Deduct	*-783.07*	
		For Class 54 Rating, Add	*1,084.79*	
		For Class 55 Rating, Add	*1,621.44*	
		For Class 56 Rating, Add	*2,150.96*	
40 05 19 00-2360	EA	18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,995.61	937.48
		For Class 52 Rating, Deduct	*-833.27*	
		For Class 54 Rating, Add	*1,153.32*	
		For Class 55 Rating, Add	*1,723.36*	
		For Class 56 Rating, Add	*2,285.81*	
40 05 19 00-2361	EA	18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,458.33	941.70
		For Class 52 Rating, Deduct	*-883.47*	
		For Class 54 Rating, Add	*1,221.85*	
		For Class 55 Rating, Add	*1,825.27*	
		For Class 56 Rating, Add	*2,420.66*	
40 05 19 00-2362	EA	18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,921.06	945.92
		For Class 52 Rating, Deduct	*-933.66*	
		For Class 54 Rating, Add	*1,290.38*	
		For Class 55 Rating, Add	*1,927.19*	
		For Class 56 Rating, Add	*2,555.51*	
40 05 19 00-2363	EA	18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,383.78	950.13
		For Class 52 Rating, Deduct	*-983.86*	
		For Class 54 Rating, Add	*1,358.90*	
		For Class 55 Rating, Add	*2,029.10*	
		For Class 56 Rating, Add	*2,690.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2364	EA	18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,846.50	954.35
		For Class 52 Rating, Deduct	*-1,034.06*	
		For Class 54 Rating, Add	*1,427.43*	
		For Class 55 Rating, Add	*2,131.02*	
		For Class 56 Rating, Add	*2,825.21*	
40 05 19 00-2365	EA	18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,309.23	958.56
		For Class 52 Rating, Deduct	*-1,084.25*	
		For Class 54 Rating, Add	*1,495.96*	
		For Class 55 Rating, Add	*2,232.94*	
		For Class 56 Rating, Add	*2,960.06*	
40 05 19 00-2366	EA	18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,771.95	962.78
		For Class 52 Rating, Deduct	*-1,134.45*	
		For Class 54 Rating, Add	*1,564.48*	
		For Class 55 Rating, Add	*2,334.85*	
		For Class 56 Rating, Add	*3,094.91*	
40 05 19 00-2367	EA	18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,234.67	966.99
		For Class 52 Rating, Deduct	*-1,184.65*	
		For Class 54 Rating, Add	*1,633.01*	
		For Class 55 Rating, Add	*2,436.77*	
		For Class 56 Rating, Add	*3,229.76*	
40 05 19 00-2368	EA	18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,697.40	971.20
		For Class 52 Rating, Deduct	*-1,234.85*	
		For Class 54 Rating, Add	*1,701.54*	
		For Class 55 Rating, Add	*2,538.69*	
		For Class 56 Rating, Add	*3,364.61*	
40 05 19 00-2369	EA	18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,160.12	975.43
		For Class 52 Rating, Deduct	*-1,285.04*	
		For Class 54 Rating, Add	*1,770.07*	
		For Class 55 Rating, Add	*2,640.60*	
		For Class 56 Rating, Add	*3,499.45*	
40 05 19 00-2370	EA	18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,622.84	979.64
		For Class 52 Rating, Deduct	*-1,335.24*	
		For Class 54 Rating, Add	*1,838.59*	
		For Class 55 Rating, Add	*2,742.52*	
		For Class 56 Rating, Add	*3,634.30*	
40 05 19 00-2371	EA	18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,085.56	983.85
		For Class 52 Rating, Deduct	*-1,385.44*	
		For Class 54 Rating, Add	*1,907.12*	
		For Class 55 Rating, Add	*2,844.43*	
		For Class 56 Rating, Add	*3,769.15*	
40 05 19 00-2372	EA	18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,548.29	988.07
		For Class 52 Rating, Deduct	*-1,435.63*	
		For Class 54 Rating, Add	*1,975.65*	
		For Class 55 Rating, Add	*2,946.35*	
		For Class 56 Rating, Add	*3,904.00*	
40 05 19 00-2373	EA	18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,011.01	992.28
		For Class 52 Rating, Deduct	*-1,485.83*	
		For Class 54 Rating, Add	*2,044.17*	
		For Class 55 Rating, Add	*3,048.27*	
		For Class 56 Rating, Add	*4,038.85*	
40 05 19 00-2374	EA	18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,473.73	996.50
		For Class 52 Rating, Deduct	*-1,536.03*	
		For Class 54 Rating, Add	*2,112.70*	
		For Class 55 Rating, Add	*3,150.18*	
		For Class 56 Rating, Add	*4,173.70*	
40 05 19 00-2375	EA	18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,936.46	1,000.72
		For Class 52 Rating, Deduct	*-1,586.22*	
		For Class 54 Rating, Add	*2,181.23*	
		For Class 55 Rating, Add	*3,252.10*	
		For Class 56 Rating, Add	*4,308.55*	
40 05 19 00-2376	EA	18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,399.18	1,004.93
		For Class 52 Rating, Deduct	*-1,636.42*	
		For Class 54 Rating, Add	*2,249.75*	
		For Class 55 Rating, Add	*3,354.01*	
		For Class 56 Rating, Add	*4,443.40*	
40 05 19 00-2377	EA	18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,861.90	1,009.15
		For Class 52 Rating, Deduct	*-1,686.62*	
		For Class 54 Rating, Add	*2,318.28*	
		For Class 55 Rating, Add	*3,455.93*	
		For Class 56 Rating, Add	*4,578.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2378	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,324.63	1,013.36
		For Class 52 Rating, Deduct	*-1,736.82*	
		For Class 54 Rating, Add	*2,386.81*	
		For Class 55 Rating, Add	*3,557.85*	
		For Class 56 Rating, Add	*4,713.10*	
40 05 19 00-2379	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,787.35	1,017.58
		For Class 52 Rating, Deduct	*-1,787.01*	
		For Class 54 Rating, Add	*2,455.34*	
		For Class 55 Rating, Add	*3,659.76*	
		For Class 56 Rating, Add	*4,847.94*	
40 05 19 00-2380	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,250.07	1,021.79
		For Class 52 Rating, Deduct	*-1,837.21*	
		For Class 54 Rating, Add	*2,523.86*	
		For Class 55 Rating, Add	*3,761.68*	
		For Class 56 Rating, Add	*4,982.79*	
40 05 19 00-2381	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,712.79	1,026.00
		For Class 52 Rating, Deduct	*-1,887.41*	
		For Class 54 Rating, Add	*2,592.39*	
		For Class 55 Rating, Add	*3,863.59*	
		For Class 56 Rating, Add	*5,117.64*	
40 05 19 00-2382	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,175.52	1,030.23
		For Class 52 Rating, Deduct	*-1,937.60*	
		For Class 54 Rating, Add	*2,660.92*	
		For Class 55 Rating, Add	*3,965.51*	
		For Class 56 Rating, Add	*5,252.49*	
40 05 19 00-2383	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,638.24	1,034.44
		For Class 52 Rating, Deduct	*-1,987.80*	
		For Class 54 Rating, Add	*2,729.44*	
		For Class 55 Rating, Add	*4,067.43*	
		For Class 56 Rating, Add	*5,387.34*	
40 05 19 00-2384	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,100.96	1,038.65
		For Class 52 Rating, Deduct	*-2,038.00*	
		For Class 54 Rating, Add	*2,797.97*	
		For Class 55 Rating, Add	*4,169.34*	
		For Class 56 Rating, Add	*5,522.19*	
40 05 19 00-2385	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,563.69	1,042.87
		For Class 52 Rating, Deduct	*-2,088.19*	
		For Class 54 Rating, Add	*2,866.50*	
		For Class 55 Rating, Add	*4,271.26*	
		For Class 56 Rating, Add	*5,657.04*	
40 05 19 00-2386	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,026.40	1,047.08
		For Class 52 Rating, Deduct	*-2,138.39*	
		For Class 54 Rating, Add	*2,935.02*	
		For Class 55 Rating, Add	*4,373.18*	
		For Class 56 Rating, Add	*5,791.89*	
40 05 19 00-2387	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,489.12	1,051.30
		For Class 52 Rating, Deduct	*-2,188.59*	
		For Class 54 Rating, Add	*3,003.55*	
		For Class 55 Rating, Add	*4,475.09*	
		For Class 56 Rating, Add	*5,926.74*	
40 05 19 00-2388	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,951.85	1,055.51
		For Class 52 Rating, Deduct	*-2,238.78*	
		For Class 54 Rating, Add	*3,072.08*	
		For Class 55 Rating, Add	*4,577.01*	
		For Class 56 Rating, Add	*6,061.59*	
40 05 19 00-2389	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,414.57	1,059.73
		For Class 52 Rating, Deduct	*-2,288.98*	
		For Class 54 Rating, Add	*3,140.61*	
		For Class 55 Rating, Add	*4,678.92*	
		For Class 56 Rating, Add	*6,196.43*	
40 05 19 00-2390	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,877.29	1,063.95
		For Class 52 Rating, Deduct	*-2,339.18*	
		For Class 54 Rating, Add	*3,209.13*	
		For Class 55 Rating, Add	*4,780.84*	
		For Class 56 Rating, Add	*6,331.28*	
40 05 19 00-2391	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,340.01	1,068.16
		For Class 52 Rating, Deduct	*-2,389.37*	
		For Class 54 Rating, Add	*3,277.66*	
		For Class 55 Rating, Add	*4,882.76*	
		For Class 56 Rating, Add	*6,466.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2392		20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2393	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,281.75	1,041.18
		For Class 52 Rating, Deduct	*-627.46*	
		For Class 54 Rating, Add	*874.56*	
		For Class 55 Rating, Add	*1,309.90*	
		For Class 56 Rating, Add	*1,739.53*	
40 05 19 00-2394	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,808.36	1,045.40
		For Class 52 Rating, Deduct	*-684.69*	
		For Class 54 Rating, Add	*952.67*	
		For Class 55 Rating, Add	*1,426.06*	
		For Class 56 Rating, Add	*1,893.23*	
40 05 19 00-2395	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,334.97	1,049.61
		For Class 52 Rating, Deduct	*-741.91*	
		For Class 54 Rating, Add	*1,030.78*	
		For Class 55 Rating, Add	*1,542.22*	
		For Class 56 Rating, Add	*2,046.92*	
40 05 19 00-2396	EA	20" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,861.58	1,053.82
		For Class 52 Rating, Deduct	*-799.14*	
		For Class 54 Rating, Add	*1,108.89*	
		For Class 55 Rating, Add	*1,658.39*	
		For Class 56 Rating, Add	*2,200.62*	
40 05 19 00-2397	EA	20" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,388.19	1,058.05
		For Class 52 Rating, Deduct	*-856.36*	
		For Class 54 Rating, Add	*1,187.00*	
		For Class 55 Rating, Add	*1,774.55*	
		For Class 56 Rating, Add	*2,354.31*	
40 05 19 00-2398	EA	20" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,914.80	1,062.26
		For Class 52 Rating, Deduct	*-913.59*	
		For Class 54 Rating, Add	*1,265.11*	
		For Class 55 Rating, Add	*1,890.71*	
		For Class 56 Rating, Add	*2,508.01*	
40 05 19 00-2399	EA	20" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,441.41	1,066.48
		For Class 52 Rating, Deduct	*-970.81*	
		For Class 54 Rating, Add	*1,343.22*	
		For Class 55 Rating, Add	*2,006.88*	
		For Class 56 Rating, Add	*2,661.71*	
40 05 19 00-2400	EA	20" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,968.02	1,070.69
		For Class 52 Rating, Deduct	*-1,028.03*	
		For Class 54 Rating, Add	*1,421.33*	
		For Class 55 Rating, Add	*2,123.04*	
		For Class 56 Rating, Add	*2,815.40*	
40 05 19 00-2401	EA	20" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,494.62	1,074.90
		For Class 52 Rating, Deduct	*-1,085.26*	
		For Class 54 Rating, Add	*1,499.44*	
		For Class 55 Rating, Add	*2,239.20*	
		For Class 56 Rating, Add	*2,969.10*	
40 05 19 00-2402	EA	20" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,021.24	1,079.12
		For Class 52 Rating, Deduct	*-1,142.48*	
		For Class 54 Rating, Add	*1,577.55*	
		For Class 55 Rating, Add	*2,355.37*	
		For Class 56 Rating, Add	*3,122.79*	
40 05 19 00-2403	EA	20" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,547.85	1,083.33
		For Class 52 Rating, Deduct	*-1,199.71*	
		For Class 54 Rating, Add	*1,655.66*	
		For Class 55 Rating, Add	*2,471.53*	
		For Class 56 Rating, Add	*3,276.49*	
40 05 19 00-2404	EA	20" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,074.45	1,087.55
		For Class 52 Rating, Deduct	*-1,256.93*	
		For Class 54 Rating, Add	*1,733.77*	
		For Class 55 Rating, Add	*2,587.69*	
		For Class 56 Rating, Add	*3,430.18*	
40 05 19 00-2405	EA	20" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,601.07	1,091.77
		For Class 52 Rating, Deduct	*-1,314.16*	
		For Class 54 Rating, Add	*1,811.88*	
		For Class 55 Rating, Add	*2,703.85*	
		For Class 56 Rating, Add	*3,583.88*	
40 05 19 00-2406	EA	20" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,127.68	1,095.98
		For Class 52 Rating, Deduct	*-1,371.38*	
		For Class 54 Rating, Add	*1,889.99*	
		For Class 55 Rating, Add	*2,820.02*	
		For Class 56 Rating, Add	*3,737.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2407	EA	20" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,654.29	1,100.20
		For Class 52 Rating, Deduct	*-1,428.61*	
		For Class 54 Rating, Add	*1,968.10*	
		For Class 55 Rating, Add	*2,936.18*	
		For Class 56 Rating, Add	*3,891.27*	
40 05 19 00-2408	EA	20" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,180.90	1,104.41
		For Class 52 Rating, Deduct	*-1,485.83*	
		For Class 54 Rating, Add	*2,046.21*	
		For Class 55 Rating, Add	*3,052.34*	
		For Class 56 Rating, Add	*4,044.97*	
40 05 19 00-2409	EA	20" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,707.51	1,108.62
		For Class 52 Rating, Deduct	*-1,543.05*	
		For Class 54 Rating, Add	*2,124.32*	
		For Class 55 Rating, Add	*3,168.51*	
		For Class 56 Rating, Add	*4,198.66*	
40 05 19 00-2410	EA	20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,234.12	1,112.85
		For Class 52 Rating, Deduct	*-1,600.28*	
		For Class 54 Rating, Add	*2,202.43*	
		For Class 55 Rating, Add	*3,284.67*	
		For Class 56 Rating, Add	*4,352.36*	
40 05 19 00-2411	EA	20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,760.72	1,117.06
		For Class 52 Rating, Deduct	*-1,657.50*	
		For Class 54 Rating, Add	*2,280.54*	
		For Class 55 Rating, Add	*3,400.83*	
		For Class 56 Rating, Add	*4,506.05*	
40 05 19 00-2412	EA	20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,287.34	1,121.28
		For Class 52 Rating, Deduct	*-1,714.73*	
		For Class 54 Rating, Add	*2,358.65*	
		For Class 55 Rating, Add	*3,517.00*	
		For Class 56 Rating, Add	*4,659.75*	
40 05 19 00-2413	EA	20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,813.95	1,125.49
		For Class 52 Rating, Deduct	*-1,771.95*	
		For Class 54 Rating, Add	*2,436.76*	
		For Class 55 Rating, Add	*3,633.16*	
		For Class 56 Rating, Add	*4,813.45*	
40 05 19 00-2414	EA	20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,340.55	1,129.70
		For Class 52 Rating, Deduct	*-1,829.18*	
		For Class 54 Rating, Add	*2,514.87*	
		For Class 55 Rating, Add	*3,749.32*	
		For Class 56 Rating, Add	*4,967.14*	
40 05 19 00-2415	EA	20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,867.17	1,133.92
		For Class 52 Rating, Deduct	*-1,886.40*	
		For Class 54 Rating, Add	*2,592.98*	
		For Class 55 Rating, Add	*3,865.48*	
		For Class 56 Rating, Add	*5,120.84*	
40 05 19 00-2416	EA	20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,393.78	1,138.13
		For Class 52 Rating, Deduct	*-1,943.63*	
		For Class 54 Rating, Add	*2,671.09*	
		For Class 55 Rating, Add	*3,981.65*	
		For Class 56 Rating, Add	*5,274.53*	
40 05 19 00-2417	EA	20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,920.39	1,142.35
		For Class 52 Rating, Deduct	*-2,000.85*	
		For Class 54 Rating, Add	*2,749.20*	
		For Class 55 Rating, Add	*4,097.81*	
		For Class 56 Rating, Add	*5,428.23*	
40 05 19 00-2418	EA	20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,447.00	1,146.57
		For Class 52 Rating, Deduct	*-2,058.08*	
		For Class 54 Rating, Add	*2,827.31*	
		For Class 55 Rating, Add	*4,213.97*	
		For Class 56 Rating, Add	*5,581.93*	
40 05 19 00-2419	EA	20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,973.61	1,150.78
		For Class 52 Rating, Deduct	*-2,115.30*	
		For Class 54 Rating, Add	*2,905.42*	
		For Class 55 Rating, Add	*4,330.14*	
		For Class 56 Rating, Add	*5,735.62*	
40 05 19 00-2420	EA	20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,500.22	1,155.00
		For Class 52 Rating, Deduct	*-2,172.52*	
		For Class 54 Rating, Add	*2,983.53*	
		For Class 55 Rating, Add	*4,446.30*	
		For Class 56 Rating, Add	*5,889.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2421	EA	20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,026.83	1,159.21
		For Class 52 Rating, Deduct	*-2,229.75*	
		For Class 54 Rating, Add	*3,061.64*	
		For Class 55 Rating, Add	*4,562.46*	
		For Class 56 Rating, Add	*6,043.01*	
40 05 19 00-2422	EA	20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,553.44	1,163.42
		For Class 52 Rating, Deduct	*-2,286.97*	
		For Class 54 Rating, Add	*3,139.75*	
		For Class 55 Rating, Add	*4,678.63*	
		For Class 56 Rating, Add	*6,196.71*	
40 05 19 00-2423	EA	20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,080.05	1,167.64
		For Class 52 Rating, Deduct	*-2,344.20*	
		For Class 54 Rating, Add	*3,217.86*	
		For Class 55 Rating, Add	*4,794.79*	
		For Class 56 Rating, Add	*6,350.40*	
40 05 19 00-2424	EA	20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,606.65	1,171.86
		For Class 52 Rating, Deduct	*-2,401.42*	
		For Class 54 Rating, Add	*3,295.97*	
		For Class 55 Rating, Add	*4,910.95*	
		For Class 56 Rating, Add	*6,504.10*	
40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,133.27	1,176.08
		For Class 52 Rating, Deduct	*-2,458.65*	
		For Class 54 Rating, Add	*3,374.08*	
		For Class 55 Rating, Add	*5,027.12*	
		For Class 56 Rating, Add	*6,657.79*	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,659.88	1,180.29
		For Class 52 Rating, Deduct	*-2,515.87*	
		For Class 54 Rating, Add	*3,452.19*	
		For Class 55 Rating, Add	*5,143.28*	
		For Class 56 Rating, Add	*6,811.49*	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,186.49	1,184.50
		For Class 52 Rating, Deduct	*-2,573.10*	
		For Class 54 Rating, Add	*3,530.30*	
		For Class 55 Rating, Add	*5,259.44*	
		For Class 56 Rating, Add	*6,965.18*	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,713.10	1,188.72
		For Class 52 Rating, Deduct	*-2,630.32*	
		For Class 54 Rating, Add	*3,608.41*	
		For Class 55 Rating, Add	*5,375.60*	
		For Class 56 Rating, Add	*7,118.88*	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,239.71	1,192.93
		For Class 52 Rating, Deduct	*-2,687.55*	
		For Class 54 Rating, Add	*3,686.52*	
		For Class 55 Rating, Add	*5,491.77*	
		For Class 56 Rating, Add	*7,272.58*	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,766.32	1,197.14
		For Class 52 Rating, Deduct	*-2,744.77*	
		For Class 54 Rating, Add	*3,764.63*	
		For Class 55 Rating, Add	*5,607.93*	
		For Class 56 Rating, Add	*7,426.27*	
40 05 19 00-2431		24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*		
40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,983.79	1,230.87
		For Class 52 Rating, Deduct	*-783.07*	
		For Class 54 Rating, Add	*1,090.21*	
		For Class 55 Rating, Add	*1,632.26*	
		For Class 56 Rating, Add	*2,167.20*	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,635.14	1,235.09
		For Class 52 Rating, Deduct	*-854.02*	
		For Class 54 Rating, Add	*1,187.03*	
		For Class 55 Rating, Add	*1,776.24*	
		For Class 56 Rating, Add	*2,357.69*	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,286.48	1,239.30
		For Class 52 Rating, Deduct	*-924.96*	
		For Class 54 Rating, Add	*1,283.85*	
		For Class 55 Rating, Add	*1,920.22*	
		For Class 56 Rating, Add	*2,548.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,937.82	1,243.52
		For Class 52 Rating, Deduct	*-995.91*	
		For Class 54 Rating, Add	*1,380.67*	
		For Class 55 Rating, Add	*2,064.20*	
		For Class 56 Rating, Add	*2,738.67*	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,589.16	1,247.73
		For Class 52 Rating, Deduct	*-1,066.85*	
		For Class 54 Rating, Add	*1,477.49*	
		For Class 55 Rating, Add	*2,208.17*	
		For Class 56 Rating, Add	*2,929.16*	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,240.51	1,251.94
		For Class 52 Rating, Deduct	*-1,137.80*	
		For Class 54 Rating, Add	*1,574.31*	
		For Class 55 Rating, Add	*2,352.15*	
		For Class 56 Rating, Add	*3,119.66*	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,891.84	1,256.17
		For Class 52 Rating, Deduct	*-1,208.74*	
		For Class 54 Rating, Add	*1,671.12*	
		For Class 55 Rating, Add	*2,496.13*	
		For Class 56 Rating, Add	*3,310.15*	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,543.19	1,260.38
		For Class 52 Rating, Deduct	*-1,279.69*	
		For Class 54 Rating, Add	*1,767.95*	
		For Class 55 Rating, Add	*2,640.11*	
		For Class 56 Rating, Add	*3,500.64*	
40 05 19 00-2440	EA	24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,194.53	1,264.60
		For Class 52 Rating, Deduct	*-1,350.63*	
		For Class 54 Rating, Add	*1,864.76*	
		For Class 55 Rating, Add	*2,784.09*	
		For Class 56 Rating, Add	*3,691.13*	
40 05 19 00-2441	EA	24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,845.88	1,268.81
		For Class 52 Rating, Deduct	*-1,421.58*	
		For Class 54 Rating, Add	*1,961.59*	
		For Class 55 Rating, Add	*2,928.07*	
		For Class 56 Rating, Add	*3,881.62*	
40 05 19 00-2442	EA	24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,497.21	1,273.02
		For Class 52 Rating, Deduct	*-1,492.52*	
		For Class 54 Rating, Add	*2,058.40*	
		For Class 55 Rating, Add	*3,072.04*	
		For Class 56 Rating, Add	*4,072.11*	
40 05 19 00-2443	EA	24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,148.56	1,277.24
		For Class 52 Rating, Deduct	*-1,563.47*	
		For Class 54 Rating, Add	*2,155.23*	
		For Class 55 Rating, Add	*3,216.02*	
		For Class 56 Rating, Add	*4,262.61*	
40 05 19 00-2444	EA	24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,799.90	1,281.45
		For Class 52 Rating, Deduct	*-1,634.41*	
		For Class 54 Rating, Add	*2,252.04*	
		For Class 55 Rating, Add	*3,360.00*	
		For Class 56 Rating, Add	*4,453.10*	
40 05 19 00-2445	EA	24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,451.24	1,285.67
		For Class 52 Rating, Deduct	*-1,705.36*	
		For Class 54 Rating, Add	*2,348.86*	
		For Class 55 Rating, Add	*3,503.98*	
		For Class 56 Rating, Add	*4,643.59*	
40 05 19 00-2446	EA	24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,102.58	1,289.89
		For Class 52 Rating, Deduct	*-1,776.30*	
		For Class 54 Rating, Add	*2,445.68*	
		For Class 55 Rating, Add	*3,647.96*	
		For Class 56 Rating, Add	*4,834.08*	
40 05 19 00-2447	EA	24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,753.92	1,294.10
		For Class 52 Rating, Deduct	*-1,847.25*	
		For Class 54 Rating, Add	*2,542.50*	
		For Class 55 Rating, Add	*3,791.93*	
		For Class 56 Rating, Add	*5,024.57*	
40 05 19 00-2448	EA	24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,405.26	1,298.32
		For Class 52 Rating, Deduct	*-1,918.19*	
		For Class 54 Rating, Add	*2,639.32*	
		For Class 55 Rating, Add	*3,935.91*	
		For Class 56 Rating, Add	*5,215.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2449	EA	24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,056.60	1,302.53
		For Class 52 Rating, Deduct	*-1,989.14*	
		For Class 54 Rating, Add	*2,736.14*	
		For Class 55 Rating, Add	*4,079.89*	
		For Class 56 Rating, Add	*5,405.55*	
40 05 19 00-2450	EA	24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,707.95	1,306.74
		For Class 52 Rating, Deduct	*-2,060.08*	
		For Class 54 Rating, Add	*2,832.96*	
		For Class 55 Rating, Add	*4,223.87*	
		For Class 56 Rating, Add	*5,596.05*	
40 05 19 00-2451	EA	24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,359.29	1,310.97
		For Class 52 Rating, Deduct	*-2,131.03*	
		For Class 54 Rating, Add	*2,929.78*	
		For Class 55 Rating, Add	*4,367.85*	
		For Class 56 Rating, Add	*5,786.54*	
40 05 19 00-2452	EA	24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,010.63	1,315.18
		For Class 52 Rating, Deduct	*-2,201.97*	
		For Class 54 Rating, Add	*3,026.60*	
		For Class 55 Rating, Add	*4,511.83*	
		For Class 56 Rating, Add	*5,977.03*	
40 05 19 00-2453	EA	24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,661.97	1,319.39
		For Class 52 Rating, Deduct	*-2,272.92*	
		For Class 54 Rating, Add	*3,123.42*	
		For Class 55 Rating, Add	*4,655.80*	
		For Class 56 Rating, Add	*6,167.52*	
40 05 19 00-2454	EA	24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,313.32	1,323.61
		For Class 52 Rating, Deduct	*-2,343.86*	
		For Class 54 Rating, Add	*3,220.24*	
		For Class 55 Rating, Add	*4,799.78*	
		For Class 56 Rating, Add	*6,358.01*	
40 05 19 00-2455	EA	24" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,964.65	1,327.82
		For Class 52 Rating, Deduct	*-2,414.81*	
		For Class 54 Rating, Add	*3,317.06*	
		For Class 55 Rating, Add	*4,943.76*	
		For Class 56 Rating, Add	*6,548.50*	
40 05 19 00-2456	EA	24" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,616.00	1,332.04
		For Class 52 Rating, Deduct	*-2,485.75*	
		For Class 54 Rating, Add	*3,413.88*	
		For Class 55 Rating, Add	*5,087.74*	
		For Class 56 Rating, Add	*6,739.00*	
40 05 19 00-2457	EA	24" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,267.34	1,336.25
		For Class 52 Rating, Deduct	*-2,556.70*	
		For Class 54 Rating, Add	*3,510.70*	
		For Class 55 Rating, Add	*5,231.72*	
		For Class 56 Rating, Add	*6,929.49*	
40 05 19 00-2458	EA	24" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,918.68	1,340.47
		For Class 52 Rating, Deduct	*-2,627.64*	
		For Class 54 Rating, Add	*3,607.52*	
		For Class 55 Rating, Add	*5,375.69*	
		For Class 56 Rating, Add	*7,119.98*	
40 05 19 00-2459	EA	24" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,570.02	1,344.69
		For Class 52 Rating, Deduct	*-2,698.59*	
		For Class 54 Rating, Add	*3,704.34*	
		For Class 55 Rating, Add	*5,519.67*	
		For Class 56 Rating, Add	*7,310.47*	
40 05 19 00-2460	EA	24" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,221.37	1,348.90
		For Class 52 Rating, Deduct	*-2,769.53*	
		For Class 54 Rating, Add	*3,801.16*	
		For Class 55 Rating, Add	*5,663.65*	
		For Class 56 Rating, Add	*7,500.96*	
40 05 19 00-2461	EA	24" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,981.28	1,424.78
		For Class 52 Rating, Deduct	*-2,840.48*	
		For Class 54 Rating, Add	*3,899.28*	
		For Class 55 Rating, Add	*5,810.23*	
		For Class 56 Rating, Add	*7,695.36*	
40 05 19 00-2462	EA	24" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,632.63	1,428.99
		For Class 52 Rating, Deduct	*-2,911.42*	
		For Class 54 Rating, Add	*3,996.11*	
		For Class 55 Rating, Add	*5,954.21*	
		For Class 56 Rating, Add	*7,885.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2463	EA	24" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,283.97	1,433.21
		For Class 52 Rating, Deduct	*-2,982.37*	
		For Class 54 Rating, Add	*4,092.92*	
		For Class 55 Rating, Add	*6,098.19*	
		For Class 56 Rating, Add	*8,076.34*	
40 05 19 00-2464	EA	24" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,935.32	1,437.42
		For Class 52 Rating, Deduct	*-3,053.31*	
		For Class 54 Rating, Add	*4,189.75*	
		For Class 55 Rating, Add	*6,242.17*	
		For Class 56 Rating, Add	*8,266.84*	
40 05 19 00-2465	EA	24" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,586.65	1,441.64
		For Class 52 Rating, Deduct	*-3,124.26*	
		For Class 54 Rating, Add	*4,286.56*	
		For Class 55 Rating, Add	*6,386.15*	
		For Class 56 Rating, Add	*8,457.33*	
40 05 19 00-2466	EA	24" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,238.00	1,445.85
		For Class 52 Rating, Deduct	*-3,195.20*	
		For Class 54 Rating, Add	*4,383.38*	
		For Class 55 Rating, Add	*6,530.13*	
		For Class 56 Rating, Add	*8,647.82*	
40 05 19 00-2467	EA	24" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,889.34	1,450.06
		For Class 52 Rating, Deduct	*-3,266.15*	
		For Class 54 Rating, Add	*4,480.20*	
		For Class 55 Rating, Add	*6,674.10*	
		For Class 56 Rating, Add	*8,838.31*	
40 05 19 00-2468	EA	24" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,540.68	1,454.29
		For Class 52 Rating, Deduct	*-3,337.09*	
		For Class 54 Rating, Add	*4,577.02*	
		For Class 55 Rating, Add	*6,818.08*	
		For Class 56 Rating, Add	*9,028.80*	
40 05 19 00-2469	EA	24" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,192.02	1,458.50
		For Class 52 Rating, Deduct	*-3,408.04*	
		For Class 54 Rating, Add	*4,673.84*	
		For Class 55 Rating, Add	*6,962.06*	
		For Class 56 Rating, Add	*9,219.29*	

40 05 19 00-2470 30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2471	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,899.84	1,736.71
		For Class 52 Rating, Deduct	*-1,239.53*	
		For Class 54 Rating, Add	*1,721.85*	
		For Class 55 Rating, Add	*2,576.02*	
		For Class 56 Rating, Add	*3,418.93*	
40 05 19 00-2472	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,831.07	1,740.93
		For Class 52 Rating, Deduct	*-1,341.26*	
		For Class 54 Rating, Add	*1,860.65*	
		For Class 55 Rating, Add	*2,782.41*	
		For Class 56 Rating, Add	*3,691.98*	
40 05 19 00-2473	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,762.29	1,745.14
		For Class 52 Rating, Deduct	*-1,443.00*	
		For Class 54 Rating, Add	*1,999.45*	
		For Class 55 Rating, Add	*2,988.80*	
		For Class 56 Rating, Add	*3,965.04*	
40 05 19 00-2474	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,693.51	1,749.35
		For Class 52 Rating, Deduct	*-1,544.73*	
		For Class 54 Rating, Add	*2,138.25*	
		For Class 55 Rating, Add	*3,195.20*	
		For Class 56 Rating, Add	*4,238.10*	
40 05 19 00-2475	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,624.74	1,753.57
		For Class 52 Rating, Deduct	*-1,646.46*	
		For Class 54 Rating, Add	*2,277.06*	
		For Class 55 Rating, Add	*3,401.59*	
		For Class 56 Rating, Add	*4,511.16*	
40 05 19 00-2476	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,555.97	1,757.78
		For Class 52 Rating, Deduct	*-1,748.19*	
		For Class 54 Rating, Add	*2,415.86*	
		For Class 55 Rating, Add	*3,607.98*	
		For Class 56 Rating, Add	*4,784.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,487.19	1,762.01
		For Class 52 Rating, Deduct	*-1,849.93*	
		For Class 54 Rating, Add	*2,554.66*	
		For Class 55 Rating, Add	*3,814.38*	
		For Class 56 Rating, Add	*5,057.27*	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,418.42	1,766.22
		For Class 52 Rating, Deduct	*-1,951.66*	
		For Class 54 Rating, Add	*2,693.46*	
		For Class 55 Rating, Add	*4,020.77*	
		For Class 56 Rating, Add	*5,330.33*	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,349.65	1,770.43
		For Class 52 Rating, Deduct	*-2,053.39*	
		For Class 54 Rating, Add	*2,832.27*	
		For Class 55 Rating, Add	*4,227.16*	
		For Class 56 Rating, Add	*5,603.39*	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,280.89	1,774.65
		For Class 52 Rating, Deduct	*-2,155.12*	
		For Class 54 Rating, Add	*2,971.07*	
		For Class 55 Rating, Add	*4,433.56*	
		For Class 56 Rating, Add	*5,876.45*	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,212.11	1,778.86
		For Class 52 Rating, Deduct	*-2,256.86*	
		For Class 54 Rating, Add	*3,109.87*	
		For Class 55 Rating, Add	*4,639.95*	
		For Class 56 Rating, Add	*6,149.51*	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,143.34	1,783.07
		For Class 52 Rating, Deduct	*-2,358.59*	
		For Class 54 Rating, Add	*3,248.68*	
		For Class 55 Rating, Add	*4,846.34*	
		For Class 56 Rating, Add	*6,422.56*	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,074.57	1,787.29
		For Class 52 Rating, Deduct	*-2,460.32*	
		For Class 54 Rating, Add	*3,387.48*	
		For Class 55 Rating, Add	*5,052.73*	
		For Class 56 Rating, Add	*6,695.62*	
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,005.79	1,791.51
		For Class 52 Rating, Deduct	*-2,562.05*	
		For Class 54 Rating, Add	*3,526.28*	
		For Class 55 Rating, Add	*5,259.13*	
		For Class 56 Rating, Add	*6,968.68*	
40 05 19 00-2485	EA	30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,937.02	1,795.73
		For Class 52 Rating, Deduct	*-2,663.79*	
		For Class 54 Rating, Add	*3,665.08*	
		For Class 55 Rating, Add	*5,465.52*	
		For Class 56 Rating, Add	*7,241.74*	
40 05 19 00-2486	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,868.25	1,799.94
		For Class 52 Rating, Deduct	*-2,765.52*	
		For Class 54 Rating, Add	*3,803.89*	
		For Class 55 Rating, Add	*5,671.91*	
		For Class 56 Rating, Add	*7,514.79*	
40 05 19 00-2487	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,799.47	1,804.15
		For Class 52 Rating, Deduct	*-2,867.25*	
		For Class 54 Rating, Add	*3,942.69*	
		For Class 55 Rating, Add	*5,878.30*	
		For Class 56 Rating, Add	*7,787.85*	
40 05 19 00-2488	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,730.70	1,808.37
		For Class 52 Rating, Deduct	*-2,968.98*	
		For Class 54 Rating, Add	*4,081.49*	
		For Class 55 Rating, Add	*6,084.70*	
		For Class 56 Rating, Add	*8,060.91*	
40 05 19 00-2489	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,661.93	1,812.58
		For Class 52 Rating, Deduct	*-3,070.71*	
		For Class 54 Rating, Add	*4,220.29*	
		For Class 55 Rating, Add	*6,291.09*	
		For Class 56 Rating, Add	*8,333.97*	
40 05 19 00-2490	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,593.17	1,816.80
		For Class 52 Rating, Deduct	*-3,172.45*	
		For Class 54 Rating, Add	*4,359.10*	
		For Class 55 Rating, Add	*6,497.48*	
		For Class 56 Rating, Add	*8,607.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2491	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,524.39	1,821.02
		For Class 52 Rating, Deduct	*-3,274.18*	
		For Class 54 Rating, Add	*4,497.90*	
		For Class 55 Rating, Add	*6,703.88*	
		For Class 56 Rating, Add	*8,880.09*	
40 05 19 00-2492	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,455.62	1,825.23
		For Class 52 Rating, Deduct	*-3,375.91*	
		For Class 54 Rating, Add	*4,636.70*	
		For Class 55 Rating, Add	*6,910.27*	
		For Class 56 Rating, Add	*9,153.14*	
40 05 19 00-2493	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,386.85	1,829.45
		For Class 52 Rating, Deduct	*-3,477.65*	
		For Class 54 Rating, Add	*4,775.51*	
		For Class 55 Rating, Add	*7,116.66*	
		For Class 56 Rating, Add	*9,426.20*	
40 05 19 00-2494	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,318.07	1,833.66
		For Class 52 Rating, Deduct	*-3,579.38*	
		For Class 54 Rating, Add	*4,914.31*	
		For Class 55 Rating, Add	*7,323.05*	
		For Class 56 Rating, Add	*9,699.26*	
40 05 19 00-2495	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,249.30	1,837.87
		For Class 52 Rating, Deduct	*-3,681.11*	
		For Class 54 Rating, Add	*5,053.11*	
		For Class 55 Rating, Add	*7,529.45*	
		For Class 56 Rating, Add	*9,972.32*	
40 05 19 00-2496	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,180.53	1,842.09
		For Class 52 Rating, Deduct	*-3,782.84*	
		For Class 54 Rating, Add	*5,191.91*	
		For Class 55 Rating, Add	*7,735.84*	
		For Class 56 Rating, Add	*10,245.37*	
40 05 19 00-2497	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,111.75	1,846.31
		For Class 52 Rating, Deduct	*-3,884.58*	
		For Class 54 Rating, Add	*5,330.72*	
		For Class 55 Rating, Add	*7,942.23*	
		For Class 56 Rating, Add	*10,518.43*	
40 05 19 00-2498	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,042.98	1,850.53
		For Class 52 Rating, Deduct	*-3,986.31*	
		For Class 54 Rating, Add	*5,469.52*	
		For Class 55 Rating, Add	*8,148.62*	
		For Class 56 Rating, Add	*10,791.49*	
40 05 19 00-2499	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,974.21	1,854.74
		For Class 52 Rating, Deduct	*-4,088.04*	
		For Class 54 Rating, Add	*5,608.32*	
		For Class 55 Rating, Add	*8,355.02*	
		For Class 56 Rating, Add	*11,064.55*	
40 05 19 00-2500	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,905.44	1,858.95
		For Class 52 Rating, Deduct	*-4,189.77*	
		For Class 54 Rating, Add	*5,747.13*	
		For Class 55 Rating, Add	*8,561.41*	
		For Class 56 Rating, Add	*11,337.61*	
40 05 19 00-2501	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,836.67	1,863.17
		For Class 52 Rating, Deduct	*-4,291.51*	
		For Class 54 Rating, Add	*5,885.93*	
		For Class 55 Rating, Add	*8,767.80*	
		For Class 56 Rating, Add	*11,610.67*	
40 05 19 00-2502	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,767.90	1,867.38
		For Class 52 Rating, Deduct	*-4,393.24*	
		For Class 54 Rating, Add	*6,024.73*	
		For Class 55 Rating, Add	*8,974.20*	
		For Class 56 Rating, Add	*11,883.72*	
40 05 19 00-2503	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,699.13	1,871.59
		For Class 52 Rating, Deduct	*-4,494.97*	
		For Class 54 Rating, Add	*6,163.53*	
		For Class 55 Rating, Add	*9,180.59*	
		For Class 56 Rating, Add	*12,156.78*	
40 05 19 00-2504	EA	30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,630.35	1,875.82
		For Class 52 Rating, Deduct	*-4,596.70*	
		For Class 54 Rating, Add	*6,302.34*	
		For Class 55 Rating, Add	*9,386.98*	
		For Class 56 Rating, Add	*12,429.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2505	EA	30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,561.58	1,880.03
		For Class 52 Rating, Deduct	*-4,698.44*	
		For Class 54 Rating, Add	*6,441.14*	
		For Class 55 Rating, Add	*9,593.37*	
		For Class 56 Rating, Add	*12,702.90*	
40 05 19 00-2506		**36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe** *(40 05 19 00-2074)*		
40 05 19 00-2507	EA	36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,400.00	2,200.39
		For Class 52 Rating, Deduct	*-1,767.27*	
		For Class 54 Rating, Add	*2,449.92*	
		For Class 55 Rating, Add	*3,662.75*	
		For Class 56 Rating, Add	*4,859.51*	
40 05 19 00-2508	EA	36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,647.62	2,204.61
		For Class 52 Rating, Deduct	*-1,903.80*	
		For Class 54 Rating, Add	*2,636.18*	
		For Class 55 Rating, Add	*3,939.70*	
		For Class 56 Rating, Add	*5,225.91*	
40 05 19 00-2509	EA	36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,895.25	2,208.82
		For Class 52 Rating, Deduct	*-2,040.34*	
		For Class 54 Rating, Add	*2,822.44*	
		For Class 55 Rating, Add	*4,216.65*	
		For Class 56 Rating, Add	*5,592.30*	
40 05 19 00-2510	EA	36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,142.86	2,213.04
		For Class 52 Rating, Deduct	*-2,176.87*	
		For Class 54 Rating, Add	*3,008.70*	
		For Class 55 Rating, Add	*4,493.59*	
		For Class 56 Rating, Add	*5,958.69*	
40 05 19 00-2511	EA	36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,390.49	2,217.26
		For Class 52 Rating, Deduct	*-2,313.41*	
		For Class 54 Rating, Add	*3,194.97*	
		For Class 55 Rating, Add	*4,770.54*	
		For Class 56 Rating, Add	*6,325.09*	
40 05 19 00-2512	EA	36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,638.11	2,221.47
		For Class 52 Rating, Deduct	*-2,449.95*	
		For Class 54 Rating, Add	*3,381.23*	
		For Class 55 Rating, Add	*5,047.49*	
		For Class 56 Rating, Add	*6,691.48*	
40 05 19 00-2513	EA	36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,885.72	2,225.69
		For Class 52 Rating, Deduct	*-2,586.48*	
		For Class 54 Rating, Add	*3,567.49*	
		For Class 55 Rating, Add	*5,324.44*	
		For Class 56 Rating, Add	*7,057.87*	
40 05 19 00-2514	EA	36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,133.35	2,229.90
		For Class 52 Rating, Deduct	*-2,723.02*	
		For Class 54 Rating, Add	*3,753.75*	
		For Class 55 Rating, Add	*5,601.39*	
		For Class 56 Rating, Add	*7,424.27*	
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,380.97	2,234.11
		For Class 52 Rating, Deduct	*-2,859.55*	
		For Class 54 Rating, Add	*3,940.01*	
		For Class 55 Rating, Add	*5,878.34*	
		For Class 56 Rating, Add	*7,790.66*	
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,628.58	2,238.33
		For Class 52 Rating, Deduct	*-2,996.09*	
		For Class 54 Rating, Add	*4,126.27*	
		For Class 55 Rating, Add	*6,155.28*	
		For Class 56 Rating, Add	*8,157.06*	
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,876.21	2,242.55
		For Class 52 Rating, Deduct	*-3,132.63*	
		For Class 54 Rating, Add	*4,312.54*	
		For Class 55 Rating, Add	*6,432.23*	
		For Class 56 Rating, Add	*8,523.45*	
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,123.83	2,246.76
		For Class 52 Rating, Deduct	*-3,269.16*	
		For Class 54 Rating, Add	*4,498.80*	
		For Class 55 Rating, Add	*6,709.18*	
		For Class 56 Rating, Add	*8,889.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,371.46	2,250.98
		For Class 52 Rating, Deduct	*-3,405.70*	
		For Class 54 Rating, Add	*4,685.06*	
		For Class 55 Rating, Add	*6,986.13*	
		For Class 56 Rating, Add	*9,256.24*	
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,619.07	2,255.19
		For Class 52 Rating, Deduct	*-3,542.23*	
		For Class 54 Rating, Add	*4,871.32*	
		For Class 55 Rating, Add	*7,263.08*	
		For Class 56 Rating, Add	*9,622.63*	
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,866.69	2,259.41
		For Class 52 Rating, Deduct	*-3,678.77*	
		For Class 54 Rating, Add	*5,057.58*	
		For Class 55 Rating, Add	*7,540.03*	
		For Class 56 Rating, Add	*9,989.03*	
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,114.32	2,263.62
		For Class 52 Rating, Deduct	*-3,815.30*	
		For Class 54 Rating, Add	*5,243.84*	
		For Class 55 Rating, Add	*7,816.98*	
		For Class 56 Rating, Add	*10,355.42*	
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,361.93	2,267.83
		For Class 52 Rating, Deduct	*-3,951.84*	
		For Class 54 Rating, Add	*5,430.10*	
		For Class 55 Rating, Add	*8,093.92*	
		For Class 56 Rating, Add	*10,721.81*	
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,609.56	2,272.06
		For Class 52 Rating, Deduct	*-4,088.38*	
		For Class 54 Rating, Add	*5,616.37*	
		For Class 55 Rating, Add	*8,370.87*	
		For Class 56 Rating, Add	*11,088.21*	
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,857.18	2,276.27
		For Class 52 Rating, Deduct	*-4,224.91*	
		For Class 54 Rating, Add	*5,802.63*	
		For Class 55 Rating, Add	*8,647.82*	
		For Class 56 Rating, Add	*11,454.60*	
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,104.79	2,280.49
		For Class 52 Rating, Deduct	*-4,361.45*	
		For Class 54 Rating, Add	*5,988.89*	
		For Class 55 Rating, Add	*8,924.77*	
		For Class 56 Rating, Add	*11,821.00*	
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,352.41	2,284.70
		For Class 52 Rating, Deduct	*-4,497.98*	
		For Class 54 Rating, Add	*6,175.15*	
		For Class 55 Rating, Add	*9,201.72*	
		For Class 56 Rating, Add	*12,187.39*	
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,600.03	2,288.91
		For Class 52 Rating, Deduct	*-4,634.52*	
		For Class 54 Rating, Add	*6,361.41*	
		For Class 55 Rating, Add	*9,478.66*	
		For Class 56 Rating, Add	*12,553.78*	
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,847.66	2,293.13
		For Class 52 Rating, Deduct	*-4,771.05*	
		For Class 54 Rating, Add	*6,547.68*	
		For Class 55 Rating, Add	*9,755.61*	
		For Class 56 Rating, Add	*12,920.18*	
40 05 19 00-2530	EA	36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,095.27	2,297.35
		For Class 52 Rating, Deduct	*-4,907.59*	
		For Class 54 Rating, Add	*6,733.94*	
		For Class 55 Rating, Add	*10,032.56*	
		For Class 56 Rating, Add	*13,286.57*	
40 05 19 00-2531	EA	36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,342.89	2,301.56
		For Class 52 Rating, Deduct	*-5,044.12*	
		For Class 54 Rating, Add	*6,920.20*	
		For Class 55 Rating, Add	*10,309.51*	
		For Class 56 Rating, Add	*13,652.97*	
40 05 19 00-2532	EA	36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,590.52	2,305.78
		For Class 52 Rating, Deduct	*-5,180.66*	
		For Class 54 Rating, Add	*7,106.46*	
		For Class 55 Rating, Add	*10,586.46*	
		For Class 56 Rating, Add	*14,019.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2533	EA	36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,838.13	2,309.99
		For Class 52 Rating, Deduct	*-5,317.20*	
		For Class 54 Rating, Add	*7,292.72*	
		For Class 55 Rating, Add	*10,863.41*	
		For Class 56 Rating, Add	*14,385.75*	
40 05 19 00-2534	EA	36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,085.76	2,314.21
		For Class 52 Rating, Deduct	*-5,453.73*	
		For Class 54 Rating, Add	*7,478.98*	
		For Class 55 Rating, Add	*11,140.36*	
		For Class 56 Rating, Add	*14,752.15*	
40 05 19 00-2535	EA	36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,333.38	2,318.42
		For Class 52 Rating, Deduct	*-5,590.27*	
		For Class 54 Rating, Add	*7,665.25*	
		For Class 55 Rating, Add	*11,417.30*	
		For Class 56 Rating, Add	*15,118.54*	
40 05 19 00-2536	EA	36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,580.99	2,322.63
		For Class 52 Rating, Deduct	*-5,726.80*	
		For Class 54 Rating, Add	*7,851.51*	
		For Class 55 Rating, Add	*11,694.25*	
		For Class 56 Rating, Add	*15,484.93*	
40 05 19 00-2537	EA	36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,828.62	2,326.86
		For Class 52 Rating, Deduct	*-5,863.34*	
		For Class 54 Rating, Add	*8,037.77*	
		For Class 55 Rating, Add	*11,971.20*	
		For Class 56 Rating, Add	*15,851.33*	
40 05 19 00-2538	EA	36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,076.24	2,331.07
		For Class 52 Rating, Deduct	*-5,999.88*	
		For Class 54 Rating, Add	*8,224.03*	
		For Class 55 Rating, Add	*12,248.15*	
		For Class 56 Rating, Add	*16,217.72*	
40 05 19 00-2539	EA	36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,323.86	2,335.28
		For Class 52 Rating, Deduct	*-6,136.41*	
		For Class 54 Rating, Add	*8,410.29*	
		For Class 55 Rating, Add	*12,525.10*	
		For Class 56 Rating, Add	*16,584.12*	
40 05 19 00-2540	EA	36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,571.48	2,339.50
		For Class 52 Rating, Deduct	*-6,272.95*	
		For Class 54 Rating, Add	*8,596.55*	
		For Class 55 Rating, Add	*12,802.05*	
		For Class 56 Rating, Add	*16,950.51*	
40 05 19 00-2541	EA	36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,819.10	2,343.71
		For Class 52 Rating, Deduct	*-6,409.48*	
		For Class 54 Rating, Add	*8,782.82*	
		For Class 55 Rating, Add	*13,078.99*	
		For Class 56 Rating, Add	*17,316.90*	

40 05 19 00-2542 42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2543	EA	42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,635.12	2,773.67
		For Class 52 Rating, Deduct	*-2,357.58*	
		For Class 54 Rating, Add	*3,265.32*	
		For Class 55 Rating, Add	*4,880.33*	
		For Class 56 Rating, Add	*6,473.90*	
40 05 19 00-2544	EA	42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,466.85	2,777.90
		For Class 52 Rating, Deduct	*-2,558.37*	
		For Class 54 Rating, Add	*3,539.20*	
		For Class 55 Rating, Add	*5,287.53*	
		For Class 56 Rating, Add	*7,012.61*	
40 05 19 00-2545	EA	42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,283.38	2,782.11
		For Class 52 Rating, Deduct	*-2,757.49*	
		For Class 54 Rating, Add	*3,810.79*	
		For Class 55 Rating, Add	*5,691.35*	
		For Class 56 Rating, Add	*7,546.83*	
40 05 19 00-2546	EA	42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,118.14	2,786.32
		For Class 52 Rating, Deduct	*-2,958.61*	
		For Class 54 Rating, Add	*4,085.13*	
		For Class 55 Rating, Add	*6,099.23*	
		For Class 56 Rating, Add	*8,086.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2547	EA	42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,940.75	2,790.54
		For Class 52 Rating, Deduct	*-3,158.39*	
		For Class 54 Rating, Add	*4,357.64*	
		For Class 55 Rating, Add	*6,504.40*	
		For Class 56 Rating, Add	*8,622.45*	
40 05 19 00-2548	EA	42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,781.61	2,794.75
		For Class 52 Rating, Deduct	*-3,360.18*	
		For Class 54 Rating, Add	*4,632.88*	
		For Class 55 Rating, Add	*6,913.64*	
		For Class 56 Rating, Add	*9,163.84*	
40 05 19 00-2549	EA	42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,604.22	2,798.96
		For Class 52 Rating, Deduct	*-3,559.97*	
		For Class 54 Rating, Add	*4,905.39*	
		For Class 55 Rating, Add	*7,318.81*	
		For Class 56 Rating, Add	*9,699.86*	
40 05 19 00-2550	EA	42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,448.11	2,803.19
		For Class 52 Rating, Deduct	*-3,762.09*	
		For Class 54 Rating, Add	*5,181.10*	
		For Class 55 Rating, Add	*7,728.73*	
		For Class 56 Rating, Add	*10,242.15*	
40 05 19 00-2551	EA	42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,276.80	2,807.40
		For Class 52 Rating, Deduct	*-3,962.55*	
		For Class 54 Rating, Add	*5,454.52*	
		For Class 55 Rating, Add	*8,135.25*	
		For Class 56 Rating, Add	*10,779.96*	
40 05 19 00-2552	EA	42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,120.71	2,811.62
		For Class 52 Rating, Deduct	*-4,164.67*	
		For Class 54 Rating, Add	*5,730.22*	
		For Class 55 Rating, Add	*8,545.17*	
		For Class 56 Rating, Add	*11,322.26*	
40 05 19 00-2553	EA	42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,949.39	2,815.83
		For Class 52 Rating, Deduct	*-4,365.13*	
		For Class 54 Rating, Add	*6,003.64*	
		For Class 55 Rating, Add	*8,951.70*	
		For Class 56 Rating, Add	*11,860.07*	
40 05 19 00-2554	EA	42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,796.32	2,820.04
		For Class 52 Rating, Deduct	*-4,567.59*	
		For Class 54 Rating, Add	*6,279.80*	
		For Class 55 Rating, Add	*9,362.29*	
		For Class 56 Rating, Add	*12,403.26*	
40 05 19 00-2555	EA	42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,625.02	2,824.26
		For Class 52 Rating, Deduct	*-4,768.04*	
		For Class 54 Rating, Add	*6,553.23*	
		For Class 55 Rating, Add	*9,768.82*	
		For Class 56 Rating, Add	*12,941.07*	
40 05 19 00-2556	EA	42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,459.78	2,828.47
		For Class 52 Rating, Deduct	*-4,969.16*	
		For Class 54 Rating, Add	*6,827.56*	
		For Class 55 Rating, Add	*10,176.70*	
		For Class 56 Rating, Add	*13,480.68*	
40 05 19 00-2557	EA	42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,303.68	2,832.70
		For Class 52 Rating, Deduct	*-5,171.29*	
		For Class 54 Rating, Add	*7,103.26*	
		For Class 55 Rating, Add	*10,586.62*	
		For Class 56 Rating, Add	*14,022.97*	
40 05 19 00-2558	EA	42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,135.42	2,836.91
		For Class 52 Rating, Deduct	*-5,372.08*	
		For Class 54 Rating, Add	*7,377.14*	
		For Class 55 Rating, Add	*10,993.83*	
		For Class 56 Rating, Add	*14,561.68*	
40 05 19 00-2559	EA	42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,988.45	2,841.12
		For Class 52 Rating, Deduct	*-5,575.21*	
		For Class 54 Rating, Add	*7,654.21*	
		For Class 55 Rating, Add	*11,405.78*	
		For Class 56 Rating, Add	*15,106.67*	
40 05 19 00-2560	EA	42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,823.21	2,845.34
		For Class 52 Rating, Deduct	*-5,776.33*	
		For Class 54 Rating, Add	*7,928.55*	
		For Class 55 Rating, Add	*11,813.66*	
		For Class 56 Rating, Add	*15,646.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2561	EA	42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,673.20	2,849.55
		For Class 52 Rating, Deduct	*-5,979.13*	
		For Class 54 Rating, Add	*8,205.17*	
		For Class 55 Rating, Add	*12,224.94*	
		For Class 56 Rating, Add	*16,190.36*	
40 05 19 00-2562	EA	42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,504.94	2,853.76
		For Class 52 Rating, Deduct	*-6,179.92*	
		For Class 54 Rating, Add	*8,479.04*	
		For Class 55 Rating, Add	*12,632.15*	
		For Class 56 Rating, Add	*16,729.07*	
40 05 19 00-2563	EA	42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	62,361.00	2,857.98
		For Class 52 Rating, Deduct	*-6,383.38*	
		For Class 54 Rating, Add	*8,756.57*	
		For Class 55 Rating, Add	*13,044.78*	
		For Class 56 Rating, Add	*17,274.96*	
40 05 19 00-2564	EA	42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,195.77	2,862.20
		For Class 52 Rating, Deduct	*-6,584.50*	
		For Class 54 Rating, Add	*9,030.91*	
		For Class 55 Rating, Add	*13,452.66*	
		For Class 56 Rating, Add	*17,814.56*	
40 05 19 00-2565	EA	42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,045.76	2,866.42
		For Class 52 Rating, Deduct	*-6,787.30*	
		For Class 54 Rating, Add	*9,307.52*	
		For Class 55 Rating, Add	*13,863.94*	
		For Class 56 Rating, Add	*18,358.65*	
40 05 19 00-2566	EA	42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	67,880.53	2,870.63
		For Class 52 Rating, Deduct	*-6,988.42*	
		For Class 54 Rating, Add	*9,581.86*	
		For Class 55 Rating, Add	*14,271.82*	
		For Class 56 Rating, Add	*18,898.25*	
40 05 19 00-2567	EA	42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,736.60	2,874.84
		For Class 52 Rating, Deduct	*-7,191.89*	
		For Class 54 Rating, Add	*9,859.39*	
		For Class 55 Rating, Add	*14,684.45*	
		For Class 56 Rating, Add	*19,444.14*	
40 05 19 00-2568	EA	42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,571.38	2,879.06
		For Class 52 Rating, Deduct	*-7,393.01*	
		For Class 54 Rating, Add	*10,133.72*	
		For Class 55 Rating, Add	*15,092.34*	
		For Class 56 Rating, Add	*19,983.74*	
40 05 19 00-2569	EA	42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,421.36	2,883.27
		For Class 52 Rating, Deduct	*-7,595.80*	
		For Class 54 Rating, Add	*10,410.34*	
		For Class 55 Rating, Add	*15,503.61*	
		For Class 56 Rating, Add	*20,527.83*	
40 05 19 00-2570	EA	42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,259.17	2,887.48
		For Class 52 Rating, Deduct	*-7,797.26*	
		For Class 54 Rating, Add	*10,685.13*	
		For Class 55 Rating, Add	*15,912.17*	
		For Class 56 Rating, Add	*21,068.34*	
40 05 19 00-2571	EA	42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,747.13	2,891.71
		For Class 52 Rating, Deduct	*-7,960.23*	
		For Class 54 Rating, Add	*10,907.44*	
		For Class 55 Rating, Add	*16,242.72*	
		For Class 56 Rating, Add	*21,505.63*	
40 05 19 00-2572	EA	42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,950.02	2,895.92
		For Class 52 Rating, Deduct	*-8,201.85*	
		For Class 54 Rating, Add	*11,236.99*	
		For Class 55 Rating, Add	*16,732.69*	
		For Class 56 Rating, Add	*22,153.83*	
40 05 19 00-2573	EA	42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,784.79	2,900.14
		For Class 52 Rating, Deduct	*-8,402.97*	
		For Class 54 Rating, Add	*11,511.33*	
		For Class 55 Rating, Add	*17,140.57*	
		For Class 56 Rating, Add	*22,693.43*	
40 05 19 00-2574	EA	42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,637.82	2,904.35
		For Class 52 Rating, Deduct	*-8,606.10*	
		For Class 54 Rating, Add	*11,788.40*	
		For Class 55 Rating, Add	*17,552.53*	
		For Class 56 Rating, Add	*23,238.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2575	EA	42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,475.63	2,908.56
		For Class 52 Rating, Deduct	*-8,807.56*	
		For Class 54 Rating, Add	*12,063.19*	
		For Class 55 Rating, Add	*17,961.09*	
		For Class 56 Rating, Add	*23,778.92*	
40 05 19 00-2576	EA	42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,331.70	2,912.78
		For Class 52 Rating, Deduct	*-9,011.02*	
		For Class 54 Rating, Add	*12,340.72*	
		For Class 55 Rating, Add	*18,373.72*	
		For Class 56 Rating, Add	*24,324.81*	
40 05 19 00-2577	EA	42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,163.43	2,917.00
		For Class 52 Rating, Deduct	*-9,211.81*	
		For Class 54 Rating, Add	*12,614.60*	
		For Class 55 Rating, Add	*18,780.93*	
		For Class 56 Rating, Add	*24,863.51*	

40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2074)*

40 05 19 00-2579	EA	48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,154.03	3,486.07
		For Class 52 Rating, Deduct	*-2,955.93*	
		For Class 54 Rating, Add	*4,094.20*	
		For Class 55 Rating, Add	*6,119.25*	
		For Class 56 Rating, Add	*8,117.42*	
40 05 19 00-2580	EA	48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,770.65	3,490.28
		For Class 52 Rating, Deduct	*-3,243.06*	
		For Class 54 Rating, Add	*4,485.81*	
		For Class 55 Rating, Add	*6,701.48*	
		For Class 56 Rating, Add	*8,887.67*	
40 05 19 00-2581	EA	48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,393.36	3,494.49
		For Class 52 Rating, Deduct	*-3,530.85*	
		For Class 54 Rating, Add	*4,878.34*	
		For Class 55 Rating, Add	*7,285.08*	
		For Class 56 Rating, Add	*9,659.72*	
40 05 19 00-2582	EA	48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,046.50	3,498.71
		For Class 52 Rating, Deduct	*-3,822.00*	
		For Class 54 Rating, Add	*5,275.43*	
		For Class 55 Rating, Add	*7,875.45*	
		For Class 56 Rating, Add	*10,440.74*	
40 05 19 00-2583	EA	48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,690.51	3,502.92
		For Class 52 Rating, Deduct	*-4,112.14*	
		For Class 54 Rating, Add	*5,671.15*	
		For Class 55 Rating, Add	*8,463.80*	
		For Class 56 Rating, Add	*11,219.07*	
40 05 19 00-2584	EA	48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,340.60	3,507.14
		For Class 52 Rating, Deduct	*-4,402.94*	
		For Class 54 Rating, Add	*6,067.78*	
		For Class 55 Rating, Add	*9,053.50*	
		For Class 56 Rating, Add	*11,999.19*	
40 05 19 00-2585	EA	48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,008.95	3,511.36
		For Class 52 Rating, Deduct	*-4,695.76*	
		For Class 54 Rating, Add	*6,467.15*	
		For Class 55 Rating, Add	*9,647.27*	
		For Class 56 Rating, Add	*12,784.70*	
40 05 19 00-2586	EA	48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,671.21	3,515.57
		For Class 52 Rating, Deduct	*-4,987.90*	
		For Class 54 Rating, Add	*6,865.61*	
		For Class 55 Rating, Add	*10,239.68*	
		For Class 56 Rating, Add	*13,568.41*	
40 05 19 00-2587	EA	48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,330.43	3,519.79
		For Class 52 Rating, Deduct	*-5,279.72*	
		For Class 54 Rating, Add	*7,263.61*	
		For Class 55 Rating, Add	*10,831.42*	
		For Class 56 Rating, Add	*14,351.23*	
40 05 19 00-2588	EA	48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,017.03	3,524.00
		For Class 52 Rating, Deduct	*-5,574.54*	
		For Class 54 Rating, Add	*7,665.72*	
		For Class 55 Rating, Add	*11,429.26*	
		For Class 56 Rating, Add	*15,142.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2589	EA	48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	58,685.38	3,528.22
		For Class 52 Rating, Deduct	*-5,867.35*	
		For Class 54 Rating, Add	*8,065.09*	
		For Class 55 Rating, Add	*12,023.03*	
		For Class 56 Rating, Add	*15,927.63*	
40 05 19 00-2590	EA	48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,375.02	3,532.43
		For Class 52 Rating, Deduct	*-6,162.51*	
		For Class 54 Rating, Add	*8,467.65*	
		For Class 55 Rating, Add	*12,621.55*	
		For Class 56 Rating, Add	*16,719.42*	
40 05 19 00-2591	EA	48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,049.45	3,536.65
		For Class 52 Rating, Deduct	*-6,456.00*	
		For Class 54 Rating, Add	*8,867.94*	
		For Class 55 Rating, Add	*13,216.67*	
		For Class 56 Rating, Add	*17,506.72*	
40 05 19 00-2592	EA	48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,726.93	3,540.87
		For Class 52 Rating, Deduct	*-6,749.82*	
		For Class 54 Rating, Add	*9,268.68*	
		For Class 55 Rating, Add	*13,812.48*	
		For Class 56 Rating, Add	*18,294.92*	
40 05 19 00-2593	EA	48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,422.65	3,545.08
		For Class 52 Rating, Deduct	*-7,045.65*	
		For Class 54 Rating, Add	*9,672.15*	
		For Class 55 Rating, Add	*14,412.36*	
		For Class 56 Rating, Add	*19,088.51*	
40 05 19 00-2594	EA	48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,106.21	3,549.29
		For Class 52 Rating, Deduct	*-7,340.13*	
		For Class 54 Rating, Add	*10,073.81*	
		For Class 55 Rating, Add	*15,009.52*	
		For Class 56 Rating, Add	*19,878.50*	
40 05 19 00-2595	EA	48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,786.73	3,553.51
		For Class 52 Rating, Deduct	*-7,634.29*	
		For Class 54 Rating, Add	*10,475.00*	
		For Class 55 Rating, Add	*15,606.00*	
		For Class 56 Rating, Add	*20,667.60*	
40 05 19 00-2596	EA	48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,488.54	3,557.72
		For Class 52 Rating, Deduct	*-7,930.79*	
		For Class 54 Rating, Add	*10,879.39*	
		For Class 55 Rating, Add	*16,207.24*	
		For Class 56 Rating, Add	*21,462.98*	
40 05 19 00-2597	EA	48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,175.14	3,561.94
		For Class 52 Rating, Deduct	*-8,225.61*	
		For Class 54 Rating, Add	*11,281.50*	
		For Class 55 Rating, Add	*16,805.08*	
		For Class 56 Rating, Add	*22,253.87*	
40 05 19 00-2598	EA	48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,858.70	3,566.16
		For Class 52 Rating, Deduct	*-8,520.10*	
		For Class 54 Rating, Add	*11,683.15*	
		For Class 55 Rating, Add	*17,402.24*	
		For Class 56 Rating, Add	*23,043.87*	
40 05 19 00-2599	EA	48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	85,563.56	3,570.37
		For Class 52 Rating, Deduct	*-8,816.93*	
		For Class 54 Rating, Add	*12,088.00*	
		For Class 55 Rating, Add	*18,004.15*	
		For Class 56 Rating, Add	*23,840.15*	
40 05 19 00-2600	EA	48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	88,256.24	3,574.59
		For Class 52 Rating, Deduct	*-9,112.42*	
		For Class 54 Rating, Add	*12,491.02*	
		For Class 55 Rating, Add	*18,603.35*	
		For Class 56 Rating, Add	*24,632.84*	
40 05 19 00-2601	EA	48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,942.84	3,578.80
		For Class 52 Rating, Deduct	*-9,407.25*	
		For Class 54 Rating, Add	*12,893.13*	
		For Class 55 Rating, Add	*19,201.19*	
		For Class 56 Rating, Add	*25,423.73*	
40 05 19 00-2602	EA	48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	93,650.74	3,583.01
		For Class 52 Rating, Deduct	*-9,704.41*	
		For Class 54 Rating, Add	*13,298.43*	
		For Class 55 Rating, Add	*19,803.78*	
		For Class 56 Rating, Add	*26,220.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2603	EA	48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	96,343.42	3,587.23
		For Class 52 Rating, Deduct	*-9,999.90*	
		For Class 54 Rating, Add	*13,701.46*	
		For Class 55 Rating, Add	*20,402.98*	
		For Class 56 Rating, Add	*27,013.59*	
40 05 19 00-2604	EA	48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	99,033.06	3,591.44
		For Class 52 Rating, Deduct	*-10,295.06*	
		For Class 54 Rating, Add	*14,104.02*	
		For Class 55 Rating, Add	*21,001.50*	
		For Class 56 Rating, Add	*27,805.38*	
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	101,744.00	3,595.67
		For Class 52 Rating, Deduct	*-10,592.56*	
		For Class 54 Rating, Add	*14,509.78*	
		For Class 55 Rating, Add	*21,604.76*	
		For Class 56 Rating, Add	*28,603.45*	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	104,439.72	3,599.88
		For Class 52 Rating, Deduct	*-10,888.39*	
		For Class 54 Rating, Add	*14,913.26*	
		For Class 55 Rating, Add	*22,204.64*	
		For Class 56 Rating, Add	*29,397.04*	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	106,819.06	3,604.09
		For Class 52 Rating, Deduct	*-11,149.41*	
		For Class 54 Rating, Add	*15,269.28*	
		For Class 55 Rating, Add	*22,733.96*	
		For Class 56 Rating, Add	*30,097.29*	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	109,846.39	3,608.31
		For Class 52 Rating, Deduct	*-11,481.72*	
		For Class 54 Rating, Add	*15,722.49*	
		For Class 55 Rating, Add	*23,407.78*	
		For Class 56 Rating, Add	*30,988.70*	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	112,539.08	3,612.52
		For Class 52 Rating, Deduct	*-11,777.21*	
		For Class 54 Rating, Add	*16,125.51*	
		For Class 55 Rating, Add	*24,006.98*	
		For Class 56 Rating, Add	*31,781.38*	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	115,256.10	3,616.74
		For Class 52 Rating, Deduct	*-12,075.38*	
		For Class 54 Rating, Add	*16,532.19*	
		For Class 55 Rating, Add	*24,611.61*	
		For Class 56 Rating, Add	*32,581.25*	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	117,948.78	3,620.96
		For Class 52 Rating, Deduct	*-12,370.87*	
		For Class 54 Rating, Add	*16,935.21*	
		For Class 55 Rating, Add	*25,210.81*	
		For Class 56 Rating, Add	*33,373.94*	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	120,641.46	3,625.17
		For Class 52 Rating, Deduct	*-12,666.37*	
		For Class 54 Rating, Add	*17,338.23*	
		For Class 55 Rating, Add	*25,810.00*	
		For Class 56 Rating, Add	*34,166.63*	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	123,361.52	3,629.39
		For Class 52 Rating, Deduct	*-12,964.87*	
		For Class 54 Rating, Add	*17,745.36*	
		For Class 55 Rating, Add	*26,415.31*	
		For Class 56 Rating, Add	*34,967.39*	

40 05 19 00-2614 Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-2615 4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	836.82	192.90
		For Class 52 Rating, Deduct	*-59.90*	
		For Class 54 Rating, Add	*85.19*	
		For Class 55 Rating, Add	*128.45*	
		For Class 56 Rating, Add	*171.17*	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	957.54	196.27
		For Class 52 Rating, Deduct	*-72.62*	
		For Class 54 Rating, Add	*102.59*	
		For Class 55 Rating, Add	*154.35*	
		For Class 56 Rating, Add	*205.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,078.25	199.64
		For Class 52 Rating, Deduct	*-85.33*	
		For Class 54 Rating, Add	*120.00*	
		For Class 55 Rating, Add	*180.26*	
		For Class 56 Rating, Add	*239.74*	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,198.97	203.01
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*137.40*	
		For Class 55 Rating, Add	*206.16*	
		For Class 56 Rating, Add	*274.03*	
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,319.68	206.38
		For Class 52 Rating, Deduct	*-110.77*	
		For Class 54 Rating, Add	*154.80*	
		For Class 55 Rating, Add	*232.06*	
		For Class 56 Rating, Add	*308.32*	
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,440.40	209.75
		For Class 52 Rating, Deduct	*-123.48*	
		For Class 54 Rating, Add	*172.20*	
		For Class 55 Rating, Add	*257.97*	
		For Class 56 Rating, Add	*342.61*	
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,561.11	213.13
		For Class 52 Rating, Deduct	*-136.20*	
		For Class 54 Rating, Add	*189.60*	
		For Class 55 Rating, Add	*283.87*	
		For Class 56 Rating, Add	*376.89*	
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,681.83	216.50
		For Class 52 Rating, Deduct	*-148.92*	
		For Class 54 Rating, Add	*207.01*	
		For Class 55 Rating, Add	*309.77*	
		For Class 56 Rating, Add	*411.18*	
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,802.53	219.87
		For Class 52 Rating, Deduct	*-161.63*	
		For Class 54 Rating, Add	*224.41*	
		For Class 55 Rating, Add	*335.67*	
		For Class 56 Rating, Add	*445.47*	
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,923.26	223.25
		For Class 52 Rating, Deduct	*-174.35*	
		For Class 54 Rating, Add	*241.81*	
		For Class 55 Rating, Add	*361.58*	
		For Class 56 Rating, Add	*479.75*	
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,043.97	226.62
		For Class 52 Rating, Deduct	*-187.07*	
		For Class 54 Rating, Add	*259.21*	
		For Class 55 Rating, Add	*387.48*	
		For Class 56 Rating, Add	*514.04*	
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,164.69	229.99
		For Class 52 Rating, Deduct	*-199.78*	
		For Class 54 Rating, Add	*276.61*	
		For Class 55 Rating, Add	*413.38*	
		For Class 56 Rating, Add	*548.33*	
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,285.39	233.36
		For Class 52 Rating, Deduct	*-212.50*	
		For Class 54 Rating, Add	*294.02*	
		For Class 55 Rating, Add	*439.28*	
		For Class 56 Rating, Add	*582.62*	
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,406.11	236.73
		For Class 52 Rating, Deduct	*-225.22*	
		For Class 54 Rating, Add	*311.42*	
		For Class 55 Rating, Add	*465.19*	
		For Class 56 Rating, Add	*616.90*	
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,526.82	240.11
		For Class 52 Rating, Deduct	*-237.93*	
		For Class 54 Rating, Add	*328.82*	
		For Class 55 Rating, Add	*491.09*	
		For Class 56 Rating, Add	*651.19*	
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,647.55	243.48
		For Class 52 Rating, Deduct	*-250.65*	
		For Class 54 Rating, Add	*346.22*	
		For Class 55 Rating, Add	*516.99*	
		For Class 56 Rating, Add	*685.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,768.26	246.85
		For Class 52 Rating, Deduct	*-263.37*	
		For Class 54 Rating, Add	*363.62*	
		For Class 55 Rating, Add	*542.89*	
		For Class 56 Rating, Add	*719.77*	
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,888.97	250.22
		For Class 52 Rating, Deduct	*-276.08*	
		For Class 54 Rating, Add	*381.03*	
		For Class 55 Rating, Add	*568.80*	
		For Class 56 Rating, Add	*754.05*	
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,009.68	253.60
		For Class 52 Rating, Deduct	*-288.80*	
		For Class 54 Rating, Add	*398.43*	
		For Class 55 Rating, Add	*594.70*	
		For Class 56 Rating, Add	*788.34*	
40 05 19 00-2635	EA	4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,130.40	256.97
		For Class 52 Rating, Deduct	*-301.52*	
		For Class 54 Rating, Add	*415.83*	
		For Class 55 Rating, Add	*620.60*	
		For Class 56 Rating, Add	*822.63*	
40 05 19 00-2636	EA	4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,251.11	260.34
		For Class 52 Rating, Deduct	*-314.23*	
		For Class 54 Rating, Add	*433.23*	
		For Class 55 Rating, Add	*646.50*	
		For Class 56 Rating, Add	*856.91*	
40 05 19 00-2637	EA	4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,371.83	263.71
		For Class 52 Rating, Deduct	*-326.95*	
		For Class 54 Rating, Add	*450.64*	
		For Class 55 Rating, Add	*672.41*	
		For Class 56 Rating, Add	*891.20*	
40 05 19 00-2638	EA	4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,492.54	267.09
		For Class 52 Rating, Deduct	*-339.67*	
		For Class 54 Rating, Add	*468.04*	
		For Class 55 Rating, Add	*698.31*	
		For Class 56 Rating, Add	*925.49*	
40 05 19 00-2639	EA	4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,613.26	270.46
		For Class 52 Rating, Deduct	*-352.38*	
		For Class 54 Rating, Add	*485.44*	
		For Class 55 Rating, Add	*724.21*	
		For Class 56 Rating, Add	*959.78*	
40 05 19 00-2640	EA	4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,733.97	273.83
		For Class 52 Rating, Deduct	*-365.10*	
		For Class 54 Rating, Add	*502.84*	
		For Class 55 Rating, Add	*750.11*	
		For Class 56 Rating, Add	*994.06*	
40 05 19 00-2641	EA	4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,854.69	277.20
		For Class 52 Rating, Deduct	*-377.82*	
		For Class 54 Rating, Add	*520.24*	
		For Class 55 Rating, Add	*776.02*	
		For Class 56 Rating, Add	*1,028.35*	
40 05 19 00-2642	EA	4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,975.40	280.57
		For Class 52 Rating, Deduct	*-390.53*	
		For Class 54 Rating, Add	*537.64*	
		For Class 55 Rating, Add	*801.92*	
		For Class 56 Rating, Add	*1,062.64*	
40 05 19 00-2643	EA	4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,096.11	283.95
		For Class 52 Rating, Deduct	*-403.25*	
		For Class 54 Rating, Add	*555.05*	
		For Class 55 Rating, Add	*827.82*	
		For Class 56 Rating, Add	*1,096.93*	
40 05 19 00-2644	EA	4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,216.83	287.32
		For Class 52 Rating, Deduct	*-415.97*	
		For Class 54 Rating, Add	*572.45*	
		For Class 55 Rating, Add	*853.72*	
		For Class 56 Rating, Add	*1,131.21*	
40 05 19 00-2645	EA	4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,337.55	290.69
		For Class 52 Rating, Deduct	*-428.68*	
		For Class 54 Rating, Add	*589.85*	
		For Class 55 Rating, Add	*879.63*	
		For Class 56 Rating, Add	*1,165.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2646	EA	4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,458.26	294.06
		For Class 52 Rating, Deduct	*-441.40*	
		For Class 54 Rating, Add	*607.25*	
		For Class 55 Rating, Add	*905.53*	
		For Class 56 Rating, Add	*1,199.79*	
40 05 19 00-2647	EA	4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,578.97	297.44
		For Class 52 Rating, Deduct	*-454.12*	
		For Class 54 Rating, Add	*624.66*	
		For Class 55 Rating, Add	*931.43*	
		For Class 56 Rating, Add	*1,234.08*	
40 05 19 00-2648	EA	4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,699.68	300.81
		For Class 52 Rating, Deduct	*-466.83*	
		For Class 54 Rating, Add	*642.06*	
		For Class 55 Rating, Add	*957.33*	
		For Class 56 Rating, Add	*1,268.36*	
40 05 19 00-2649	EA	4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,820.40	304.18
		For Class 52 Rating, Deduct	*-479.55*	
		For Class 54 Rating, Add	*659.46*	
		For Class 55 Rating, Add	*983.24*	
		For Class 56 Rating, Add	*1,302.65*	
40 05 19 00-2650	EA	4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,941.13	307.55
		For Class 52 Rating, Deduct	*-492.27*	
		For Class 54 Rating, Add	*676.86*	
		For Class 55 Rating, Add	*1,009.14*	
		For Class 56 Rating, Add	*1,336.94*	
40 05 19 00-2651	EA	4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,061.84	310.92
		For Class 52 Rating, Deduct	*-504.98*	
		For Class 54 Rating, Add	*694.26*	
		For Class 55 Rating, Add	*1,035.04*	
		For Class 56 Rating, Add	*1,371.23*	
40 05 19 00-2652	EA	4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,182.55	314.29
		For Class 52 Rating, Deduct	*-517.70*	
		For Class 54 Rating, Add	*711.67*	
		For Class 55 Rating, Add	*1,060.94*	
		For Class 56 Rating, Add	*1,405.52*	
40 05 19 00-2653	EA	4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,272.84	317.67
		For Class 52 Rating, Deduct	*-527.07*	
		For Class 54 Rating, Add	*724.51*	
		For Class 55 Rating, Add	*1,080.06*	
		For Class 56 Rating, Add	*1,430.83*	
40 05 19 00-2654	EA	4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,423.98	321.04
		For Class 52 Rating, Deduct	*-543.13*	
		For Class 54 Rating, Add	*746.47*	
		For Class 55 Rating, Add	*1,112.75*	
		For Class 56 Rating, Add	*1,474.09*	

40 05 19 00-2655 6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2656	EA	6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,082.82	242.81
		For Class 52 Rating, Deduct	*-78.64*	
		For Class 54 Rating, Add	*111.65*	
		For Class 55 Rating, Add	*168.26*	
		For Class 56 Rating, Add	*224.15*	
40 05 19 00-2657	EA	6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,221.77	246.18
		For Class 52 Rating, Deduct	*-93.37*	
		For Class 54 Rating, Add	*131.79*	
		For Class 55 Rating, Add	*198.23*	
		For Class 56 Rating, Add	*263.82*	
40 05 19 00-2658	EA	6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,360.74	249.55
		For Class 52 Rating, Deduct	*-108.09*	
		For Class 54 Rating, Add	*151.93*	
		For Class 55 Rating, Add	*228.20*	
		For Class 56 Rating, Add	*303.49*	
40 05 19 00-2659	EA	6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,499.71	252.92
		For Class 52 Rating, Deduct	*-122.82*	
		For Class 54 Rating, Add	*172.07*	
		For Class 55 Rating, Add	*258.18*	
		For Class 56 Rating, Add	*343.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2660	EA	6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,638.68	256.29
		For Class 52 Rating, Deduct	*-137.54*	
		For Class 54 Rating, Add	*192.21*	
		For Class 55 Rating, Add	*288.15*	
		For Class 56 Rating, Add	*382.84*	
40 05 19 00-2661	EA	6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,777.65	259.66
		For Class 52 Rating, Deduct	*-152.26*	
		For Class 54 Rating, Add	*212.35*	
		For Class 55 Rating, Add	*318.12*	
		For Class 56 Rating, Add	*422.51*	
40 05 19 00-2662	EA	6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,916.61	263.03
		For Class 52 Rating, Deduct	*-166.99*	
		For Class 54 Rating, Add	*232.49*	
		For Class 55 Rating, Add	*348.10*	
		For Class 56 Rating, Add	*462.18*	
40 05 19 00-2663	EA	6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,055.59	266.40
		For Class 52 Rating, Deduct	*-181.71*	
		For Class 54 Rating, Add	*252.63*	
		For Class 55 Rating, Add	*378.07*	
		For Class 56 Rating, Add	*501.85*	
40 05 19 00-2664	EA	6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,194.55	269.78
		For Class 52 Rating, Deduct	*-196.44*	
		For Class 54 Rating, Add	*272.77*	
		For Class 55 Rating, Add	*408.04*	
		For Class 56 Rating, Add	*541.52*	
40 05 19 00-2665	EA	6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,333.52	273.16
		For Class 52 Rating, Deduct	*-211.16*	
		For Class 54 Rating, Add	*292.91*	
		For Class 55 Rating, Add	*438.01*	
		For Class 56 Rating, Add	*581.20*	
40 05 19 00-2666	EA	6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,472.49	276.53
		For Class 52 Rating, Deduct	*-225.89*	
		For Class 54 Rating, Add	*313.05*	
		For Class 55 Rating, Add	*467.99*	
		For Class 56 Rating, Add	*620.87*	
40 05 19 00-2667	EA	6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,611.45	279.90
		For Class 52 Rating, Deduct	*-240.61*	
		For Class 54 Rating, Add	*333.19*	
		For Class 55 Rating, Add	*497.96*	
		For Class 56 Rating, Add	*660.54*	
40 05 19 00-2668	EA	6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,750.42	283.27
		For Class 52 Rating, Deduct	*-255.34*	
		For Class 54 Rating, Add	*353.33*	
		For Class 55 Rating, Add	*527.93*	
		For Class 56 Rating, Add	*700.21*	
40 05 19 00-2669	EA	6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,889.40	286.64
		For Class 52 Rating, Deduct	*-270.06*	
		For Class 54 Rating, Add	*373.48*	
		For Class 55 Rating, Add	*557.91*	
		For Class 56 Rating, Add	*739.89*	
40 05 19 00-2670	EA	6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,028.37	290.01
		For Class 52 Rating, Deduct	*-284.78*	
		For Class 54 Rating, Add	*393.62*	
		For Class 55 Rating, Add	*587.88*	
		For Class 56 Rating, Add	*779.56*	
40 05 19 00-2671	EA	6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,167.33	293.38
		For Class 52 Rating, Deduct	*-299.51*	
		For Class 54 Rating, Add	*413.75*	
		For Class 55 Rating, Add	*617.85*	
		For Class 56 Rating, Add	*819.23*	
40 05 19 00-2672	EA	6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,306.29	296.76
		For Class 52 Rating, Deduct	*-314.23*	
		For Class 54 Rating, Add	*433.89*	
		For Class 55 Rating, Add	*647.83*	
		For Class 56 Rating, Add	*858.90*	
40 05 19 00-2673	EA	6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,445.26	300.13
		For Class 52 Rating, Deduct	*-328.96*	
		For Class 54 Rating, Add	*454.03*	
		For Class 55 Rating, Add	*677.80*	
		For Class 56 Rating, Add	*898.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2674	EA	6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,584.23	303.50
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*474.18*	
		For Class 55 Rating, Add	*707.77*	
		For Class 56 Rating, Add	*938.25*	
40 05 19 00-2675	EA	6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,723.21	306.88
		For Class 52 Rating, Deduct	*-358.41*	
		For Class 54 Rating, Add	*494.32*	
		For Class 55 Rating, Add	*737.75*	
		For Class 56 Rating, Add	*977.92*	
40 05 19 00-2676	EA	6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,862.17	310.25
		For Class 52 Rating, Deduct	*-373.13*	
		For Class 54 Rating, Add	*514.46*	
		For Class 55 Rating, Add	*767.72*	
		For Class 56 Rating, Add	*1,017.59*	
40 05 19 00-2677	EA	6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,001.14	313.62
		For Class 52 Rating, Deduct	*-387.86*	
		For Class 54 Rating, Add	*534.60*	
		For Class 55 Rating, Add	*797.69*	
		For Class 56 Rating, Add	*1,057.26*	
40 05 19 00-2678	EA	6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,140.10	316.99
		For Class 52 Rating, Deduct	*-402.58*	
		For Class 54 Rating, Add	*554.73*	
		For Class 55 Rating, Add	*827.66*	
		For Class 56 Rating, Add	*1,096.93*	
40 05 19 00-2679	EA	6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,279.07	320.36
		For Class 52 Rating, Deduct	*-417.30*	
		For Class 54 Rating, Add	*574.88*	
		For Class 55 Rating, Add	*857.64*	
		For Class 56 Rating, Add	*1,136.61*	
40 05 19 00-2680	EA	6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,418.04	323.73
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*595.02*	
		For Class 55 Rating, Add	*887.61*	
		For Class 56 Rating, Add	*1,176.28*	
40 05 19 00-2681	EA	6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,557.00	327.11
		For Class 52 Rating, Deduct	*-446.75*	
		For Class 54 Rating, Add	*615.16*	
		For Class 55 Rating, Add	*917.58*	
		For Class 56 Rating, Add	*1,215.95*	
40 05 19 00-2682	EA	6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,695.98	330.48
		For Class 52 Rating, Deduct	*-461.48*	
		For Class 54 Rating, Add	*635.30*	
		For Class 55 Rating, Add	*947.56*	
		For Class 56 Rating, Add	*1,255.63*	
40 05 19 00-2683	EA	6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,834.95	333.85
		For Class 52 Rating, Deduct	*-476.20*	
		For Class 54 Rating, Add	*655.44*	
		For Class 55 Rating, Add	*977.53*	
		For Class 56 Rating, Add	*1,295.30*	
40 05 19 00-2684	EA	6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,973.92	337.23
		For Class 52 Rating, Deduct	*-490.93*	
		For Class 54 Rating, Add	*675.58*	
		For Class 55 Rating, Add	*1,007.51*	
		For Class 56 Rating, Add	*1,334.97*	
40 05 19 00-2685	EA	6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,112.88	340.60
		For Class 52 Rating, Deduct	*-505.65*	
		For Class 54 Rating, Add	*695.72*	
		For Class 55 Rating, Add	*1,037.48*	
		For Class 56 Rating, Add	*1,374.64*	
40 05 19 00-2686	EA	6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,251.84	343.97
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*715.86*	
		For Class 55 Rating, Add	*1,067.45*	
		For Class 56 Rating, Add	*1,414.31*	
40 05 19 00-2687	EA	6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,390.81	347.34
		For Class 52 Rating, Deduct	*-535.10*	
		For Class 54 Rating, Add	*736.00*	
		For Class 55 Rating, Add	*1,097.42*	
		For Class 56 Rating, Add	*1,453.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2688	EA	6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,529.79	350.71
		For Class 52 Rating, Deduct	*-549.82*	
		For Class 54 Rating, Add	*756.14*	
		For Class 55 Rating, Add	*1,127.40*	
		For Class 56 Rating, Add	*1,493.66*	
40 05 19 00-2689	EA	6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,668.76	354.09
		For Class 52 Rating, Deduct	*-564.55*	
		For Class 54 Rating, Add	*776.28*	
		For Class 55 Rating, Add	*1,157.37*	
		For Class 56 Rating, Add	*1,533.33*	
40 05 19 00-2690	EA	6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,807.72	357.46
		For Class 52 Rating, Deduct	*-579.27*	
		For Class 54 Rating, Add	*796.42*	
		For Class 55 Rating, Add	*1,187.34*	
		For Class 56 Rating, Add	*1,573.00*	
40 05 19 00-2691	EA	6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,946.69	360.83
		For Class 52 Rating, Deduct	*-594.00*	
		For Class 54 Rating, Add	*816.56*	
		For Class 55 Rating, Add	*1,217.32*	
		For Class 56 Rating, Add	*1,612.68*	
40 05 19 00-2692	EA	6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,085.65	364.20
		For Class 52 Rating, Deduct	*-608.72*	
		For Class 54 Rating, Add	*836.70*	
		For Class 55 Rating, Add	*1,247.29*	
		For Class 56 Rating, Add	*1,652.35*	
40 05 19 00-2693	EA	6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,224.62	367.57
		For Class 52 Rating, Deduct	*-623.45*	
		For Class 54 Rating, Add	*856.84*	
		For Class 55 Rating, Add	*1,277.26*	
		For Class 56 Rating, Add	*1,692.02*	
40 05 19 00-2694	EA	6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,363.60	370.95
		For Class 52 Rating, Deduct	*-638.17*	
		For Class 54 Rating, Add	*876.98*	
		For Class 55 Rating, Add	*1,307.23*	
		For Class 56 Rating, Add	*1,731.69*	

40 05 19 00-2695 8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,486.18	310.25
		For Class 52 Rating, Deduct	*-111.77*	
		For Class 54 Rating, Add	*158.06*	
		For Class 55 Rating, Add	*237.87*	
		For Class 56 Rating, Add	*316.67*	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,664.70	313.62
		For Class 52 Rating, Deduct	*-130.85*	
		For Class 54 Rating, Add	*184.13*	
		For Class 55 Rating, Add	*276.67*	
		For Class 56 Rating, Add	*368.01*	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,843.21	316.99
		For Class 52 Rating, Deduct	*-149.92*	
		For Class 54 Rating, Add	*210.20*	
		For Class 55 Rating, Add	*315.46*	
		For Class 56 Rating, Add	*419.35*	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,021.73	320.36
		For Class 52 Rating, Deduct	*-169.00*	
		For Class 54 Rating, Add	*236.27*	
		For Class 55 Rating, Add	*354.25*	
		For Class 56 Rating, Add	*470.69*	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,200.25	323.73
		For Class 52 Rating, Deduct	*-188.07*	
		For Class 54 Rating, Add	*262.35*	
		For Class 55 Rating, Add	*393.04*	
		For Class 56 Rating, Add	*522.03*	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,378.76	327.11
		For Class 52 Rating, Deduct	*-207.15*	
		For Class 54 Rating, Add	*288.42*	
		For Class 55 Rating, Add	*431.84*	
		For Class 56 Rating, Add	*573.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,557.28	330.48
		For Class 52 Rating, Deduct	*-226.22*	
		For Class 54 Rating, Add	*314.49*	
		For Class 55 Rating, Add	*470.63*	
		For Class 56 Rating, Add	*624.71*	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,735.80	333.85
		For Class 52 Rating, Deduct	*-245.30*	
		For Class 54 Rating, Add	*340.56*	
		For Class 55 Rating, Add	*509.42*	
		For Class 56 Rating, Add	*676.05*	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,914.32	337.23
		For Class 52 Rating, Deduct	*-264.37*	
		For Class 54 Rating, Add	*366.64*	
		For Class 55 Rating, Add	*548.21*	
		For Class 56 Rating, Add	*727.39*	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,092.84	340.60
		For Class 52 Rating, Deduct	*-283.45*	
		For Class 54 Rating, Add	*392.71*	
		For Class 55 Rating, Add	*587.01*	
		For Class 56 Rating, Add	*778.73*	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,271.34	343.97
		For Class 52 Rating, Deduct	*-302.52*	
		For Class 54 Rating, Add	*418.78*	
		For Class 55 Rating, Add	*625.80*	
		For Class 56 Rating, Add	*830.06*	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,449.86	347.34
		For Class 52 Rating, Deduct	*-321.59*	
		For Class 54 Rating, Add	*444.85*	
		For Class 55 Rating, Add	*664.59*	
		For Class 56 Rating, Add	*881.40*	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,628.39	350.71
		For Class 52 Rating, Deduct	*-340.67*	
		For Class 54 Rating, Add	*470.93*	
		For Class 55 Rating, Add	*703.38*	
		For Class 56 Rating, Add	*932.75*	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,806.91	354.09
		For Class 52 Rating, Deduct	*-359.75*	
		For Class 54 Rating, Add	*497.00*	
		For Class 55 Rating, Add	*742.18*	
		For Class 56 Rating, Add	*984.08*	
40 05 19 00-2710	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,985.42	357.46
		For Class 52 Rating, Deduct	*-378.82*	
		For Class 54 Rating, Add	*523.07*	
		For Class 55 Rating, Add	*780.97*	
		For Class 56 Rating, Add	*1,035.42*	
40 05 19 00-2711	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,163.93	360.83
		For Class 52 Rating, Deduct	*-397.89*	
		For Class 54 Rating, Add	*549.14*	
		For Class 55 Rating, Add	*819.76*	
		For Class 56 Rating, Add	*1,086.76*	
40 05 19 00-2712	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,342.45	364.20
		For Class 52 Rating, Deduct	*-416.97*	
		For Class 54 Rating, Add	*575.22*	
		For Class 55 Rating, Add	*858.55*	
		For Class 56 Rating, Add	*1,138.10*	
40 05 19 00-2713	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,520.97	367.57
		For Class 52 Rating, Deduct	*-436.04*	
		For Class 54 Rating, Add	*601.29*	
		For Class 55 Rating, Add	*897.35*	
		For Class 56 Rating, Add	*1,189.44*	
40 05 19 00-2714	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,699.50	370.95
		For Class 52 Rating, Deduct	*-455.12*	
		For Class 54 Rating, Add	*627.36*	
		For Class 55 Rating, Add	*936.14*	
		For Class 56 Rating, Add	*1,240.78*	
40 05 19 00-2715	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,878.00	374.32
		For Class 52 Rating, Deduct	*-474.19*	
		For Class 54 Rating, Add	*653.43*	
		For Class 55 Rating, Add	*974.93*	
		For Class 56 Rating, Add	*1,292.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2716	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,056.52	377.69
		For Class 52 Rating, Deduct	*-493.27*	
		For Class 54 Rating, Add	*679.51*	
		For Class 55 Rating, Add	*1,013.72*	
		For Class 56 Rating, Add	*1,343.46*	
40 05 19 00-2717	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,235.04	381.07
		For Class 52 Rating, Deduct	*-512.34*	
		For Class 54 Rating, Add	*705.58*	
		For Class 55 Rating, Add	*1,052.52*	
		For Class 56 Rating, Add	*1,394.80*	
40 05 19 00-2718	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,413.56	384.44
		For Class 52 Rating, Deduct	*-531.42*	
		For Class 54 Rating, Add	*731.65*	
		For Class 55 Rating, Add	*1,091.31*	
		For Class 56 Rating, Add	*1,446.14*	
40 05 19 00-2719	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,592.07	387.81
		For Class 52 Rating, Deduct	*-550.49*	
		For Class 54 Rating, Add	*757.72*	
		For Class 55 Rating, Add	*1,130.10*	
		For Class 56 Rating, Add	*1,497.47*	
40 05 19 00-2720	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,770.59	391.18
		For Class 52 Rating, Deduct	*-569.57*	
		For Class 54 Rating, Add	*783.80*	
		For Class 55 Rating, Add	*1,168.89*	
		For Class 56 Rating, Add	*1,548.81*	
40 05 19 00-2721	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,949.11	394.55
		For Class 52 Rating, Deduct	*-588.64*	
		For Class 54 Rating, Add	*809.87*	
		For Class 55 Rating, Add	*1,207.69*	
		For Class 56 Rating, Add	*1,600.15*	
40 05 19 00-2722	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,127.63	397.92
		For Class 52 Rating, Deduct	*-607.72*	
		For Class 54 Rating, Add	*835.94*	
		For Class 55 Rating, Add	*1,246.48*	
		For Class 56 Rating, Add	*1,651.49*	
40 05 19 00-2723	EA	8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,306.15	401.30
		For Class 52 Rating, Deduct	*-626.79*	
		For Class 54 Rating, Add	*862.01*	
		For Class 55 Rating, Add	*1,285.27*	
		For Class 56 Rating, Add	*1,702.83*	
40 05 19 00-2724	EA	8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,484.65	404.67
		For Class 52 Rating, Deduct	*-645.87*	
		For Class 54 Rating, Add	*888.09*	
		For Class 55 Rating, Add	*1,324.06*	
		For Class 56 Rating, Add	*1,754.17*	
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,663.17	408.04
		For Class 52 Rating, Deduct	*-664.94*	
		For Class 54 Rating, Add	*914.16*	
		For Class 55 Rating, Add	*1,362.86*	
		For Class 56 Rating, Add	*1,805.51*	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,841.69	411.42
		For Class 52 Rating, Deduct	*-684.02*	
		For Class 54 Rating, Add	*940.23*	
		For Class 55 Rating, Add	*1,401.65*	
		For Class 56 Rating, Add	*1,856.85*	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,020.22	414.79
		For Class 52 Rating, Deduct	*-703.09*	
		For Class 54 Rating, Add	*966.30*	
		For Class 55 Rating, Add	*1,440.44*	
		For Class 56 Rating, Add	*1,908.19*	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,198.73	418.16
		For Class 52 Rating, Deduct	*-722.17*	
		For Class 54 Rating, Add	*992.38*	
		For Class 55 Rating, Add	*1,479.23*	
		For Class 56 Rating, Add	*1,959.53*	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,377.24	421.53
		For Class 52 Rating, Deduct	*-741.24*	
		For Class 54 Rating, Add	*1,018.45*	
		For Class 55 Rating, Add	*1,518.03*	
		For Class 56 Rating, Add	*2,010.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,555.76	424.90
		For Class 52 Rating, Deduct	*-760.32*	
		For Class 54 Rating, Add	*1,044.52*	
		For Class 55 Rating, Add	*1,556.82*	
		For Class 56 Rating, Add	*2,062.21*	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,734.28	428.27
		For Class 52 Rating, Deduct	*-779.39*	
		For Class 54 Rating, Add	*1,070.59*	
		For Class 55 Rating, Add	*1,595.61*	
		For Class 56 Rating, Add	*2,113.55*	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,912.79	431.64
		For Class 52 Rating, Deduct	*-798.47*	
		For Class 54 Rating, Add	*1,096.67*	
		For Class 55 Rating, Add	*1,634.40*	
		For Class 56 Rating, Add	*2,164.88*	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,091.32	435.02
		For Class 52 Rating, Deduct	*-817.54*	
		For Class 54 Rating, Add	*1,122.74*	
		For Class 55 Rating, Add	*1,673.20*	
		For Class 56 Rating, Add	*2,216.22*	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,269.83	438.40
		For Class 52 Rating, Deduct	*-836.62*	
		For Class 54 Rating, Add	*1,148.81*	
		For Class 55 Rating, Add	*1,711.99*	
		For Class 56 Rating, Add	*2,267.56*	

40 05 19 00-2735 10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,868.25	377.69
		For Class 52 Rating, Deduct	*-142.56*	
		For Class 54 Rating, Add	*201.27*	
		For Class 55 Rating, Add	*302.74*	
		For Class 56 Rating, Add	*402.92*	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,098.49	381.07
		For Class 52 Rating, Deduct	*-167.32*	
		For Class 54 Rating, Add	*235.10*	
		For Class 55 Rating, Add	*353.07*	
		For Class 56 Rating, Add	*469.52*	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,328.73	384.44
		For Class 52 Rating, Deduct	*-192.09*	
		For Class 54 Rating, Add	*268.93*	
		For Class 55 Rating, Add	*403.39*	
		For Class 56 Rating, Add	*536.11*	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,558.96	387.81
		For Class 52 Rating, Deduct	*-216.85*	
		For Class 54 Rating, Add	*302.76*	
		For Class 55 Rating, Add	*453.72*	
		For Class 56 Rating, Add	*602.71*	
40 05 19 00-2740	EA	10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,789.20	391.18
		For Class 52 Rating, Deduct	*-241.62*	
		For Class 54 Rating, Add	*336.59*	
		For Class 55 Rating, Add	*504.04*	
		For Class 56 Rating, Add	*669.30*	
40 05 19 00-2741	EA	10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,019.43	394.55
		For Class 52 Rating, Deduct	*-266.38*	
		For Class 54 Rating, Add	*370.42*	
		For Class 55 Rating, Add	*554.37*	
		For Class 56 Rating, Add	*735.90*	
40 05 19 00-2742	EA	10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,249.67	397.92
		For Class 52 Rating, Deduct	*-291.14*	
		For Class 54 Rating, Add	*404.25*	
		For Class 55 Rating, Add	*604.70*	
		For Class 56 Rating, Add	*802.50*	
40 05 19 00-2743	EA	10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,479.90	401.30
		For Class 52 Rating, Deduct	*-315.91*	
		For Class 54 Rating, Add	*438.08*	
		For Class 55 Rating, Add	*655.02*	
		For Class 56 Rating, Add	*869.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2744	EA	10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,710.13	404.67
		For Class 52 Rating, Deduct	*-340.67*	
		For Class 54 Rating, Add	*471.91*	
		For Class 55 Rating, Add	*705.35*	
		For Class 56 Rating, Add	*935.69*	
40 05 19 00-2745	EA	10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,940.37	408.04
		For Class 52 Rating, Deduct	*-365.43*	
		For Class 54 Rating, Add	*505.74*	
		For Class 55 Rating, Add	*755.67*	
		For Class 56 Rating, Add	*1,002.28*	
40 05 19 00-2746	EA	10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,170.60	411.42
		For Class 52 Rating, Deduct	*-390.20*	
		For Class 54 Rating, Add	*539.57*	
		For Class 55 Rating, Add	*806.00*	
		For Class 56 Rating, Add	*1,068.88*	
40 05 19 00-2747	EA	10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,400.85	414.79
		For Class 52 Rating, Deduct	*-414.96*	
		For Class 54 Rating, Add	*573.40*	
		For Class 55 Rating, Add	*856.32*	
		For Class 56 Rating, Add	*1,135.48*	
40 05 19 00-2748	EA	10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,631.08	418.16
		For Class 52 Rating, Deduct	*-439.73*	
		For Class 54 Rating, Add	*607.23*	
		For Class 55 Rating, Add	*906.65*	
		For Class 56 Rating, Add	*1,202.07*	
40 05 19 00-2749	EA	10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,861.31	421.53
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*641.06*	
		For Class 55 Rating, Add	*956.97*	
		For Class 56 Rating, Add	*1,268.67*	
40 05 19 00-2750	EA	10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,091.54	424.90
		For Class 52 Rating, Deduct	*-489.25*	
		For Class 54 Rating, Add	*674.89*	
		For Class 55 Rating, Add	*1,007.30*	
		For Class 56 Rating, Add	*1,335.26*	
40 05 19 00-2751	EA	10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,321.78	428.27
		For Class 52 Rating, Deduct	*-514.02*	
		For Class 54 Rating, Add	*708.72*	
		For Class 55 Rating, Add	*1,057.63*	
		For Class 56 Rating, Add	*1,401.86*	
40 05 19 00-2752	EA	10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,552.02	431.64
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*742.55*	
		For Class 55 Rating, Add	*1,107.95*	
		For Class 56 Rating, Add	*1,468.46*	
40 05 19 00-2753	EA	10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,782.26	435.02
		For Class 52 Rating, Deduct	*-563.54*	
		For Class 54 Rating, Add	*776.38*	
		For Class 55 Rating, Add	*1,158.28*	
		For Class 56 Rating, Add	*1,535.05*	
40 05 19 00-2754	EA	10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,012.49	438.40
		For Class 52 Rating, Deduct	*-588.31*	
		For Class 54 Rating, Add	*810.21*	
		For Class 55 Rating, Add	*1,208.60*	
		For Class 56 Rating, Add	*1,601.65*	
40 05 19 00-2755	EA	10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,242.72	441.77
		For Class 52 Rating, Deduct	*-613.07*	
		For Class 54 Rating, Add	*844.04*	
		For Class 55 Rating, Add	*1,258.93*	
		For Class 56 Rating, Add	*1,668.24*	
40 05 19 00-2756	EA	10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,472.96	445.14
		For Class 52 Rating, Deduct	*-637.84*	
		For Class 54 Rating, Add	*877.87*	
		For Class 55 Rating, Add	*1,309.25*	
		For Class 56 Rating, Add	*1,734.84*	
40 05 19 00-2757	EA	10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,703.20	448.51
		For Class 52 Rating, Deduct	*-662.60*	
		For Class 54 Rating, Add	*911.70*	
		For Class 55 Rating, Add	*1,359.58*	
		For Class 56 Rating, Add	*1,801.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2758	EA	10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,933.43	451.88
		For Class 52 Rating, Deduct	*-687.36*	
		For Class 54 Rating, Add	*945.53*	
		For Class 55 Rating, Add	*1,409.91*	
		For Class 56 Rating, Add	*1,868.03*	
40 05 19 00-2759	EA	10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,163.67	455.25
		For Class 52 Rating, Deduct	*-712.13*	
		For Class 54 Rating, Add	*979.36*	
		For Class 55 Rating, Add	*1,460.23*	
		For Class 56 Rating, Add	*1,934.63*	
40 05 19 00-2760	EA	10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,393.90	458.62
		For Class 52 Rating, Deduct	*-736.89*	
		For Class 54 Rating, Add	*1,013.19*	
		For Class 55 Rating, Add	*1,510.56*	
		For Class 56 Rating, Add	*2,001.22*	
40 05 19 00-2761	EA	10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,624.14	461.99
		For Class 52 Rating, Deduct	*-761.66*	
		For Class 54 Rating, Add	*1,047.02*	
		For Class 55 Rating, Add	*1,560.88*	
		For Class 56 Rating, Add	*2,067.82*	
40 05 19 00-2762	EA	10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,854.37	465.38
		For Class 52 Rating, Deduct	*-786.42*	
		For Class 54 Rating, Add	*1,080.85*	
		For Class 55 Rating, Add	*1,611.21*	
		For Class 56 Rating, Add	*2,134.42*	
40 05 19 00-2763	EA	10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,084.60	468.75
		For Class 52 Rating, Deduct	*-811.18*	
		For Class 54 Rating, Add	*1,114.68*	
		For Class 55 Rating, Add	*1,661.53*	
		For Class 56 Rating, Add	*2,201.01*	
40 05 19 00-2764	EA	10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,314.84	472.12
		For Class 52 Rating, Deduct	*-835.95*	
		For Class 54 Rating, Add	*1,148.51*	
		For Class 55 Rating, Add	*1,711.86*	
		For Class 56 Rating, Add	*2,267.61*	
40 05 19 00-2765	EA	10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,545.08	475.49
		For Class 52 Rating, Deduct	*-860.71*	
		For Class 54 Rating, Add	*1,182.34*	
		For Class 55 Rating, Add	*1,762.19*	
		For Class 56 Rating, Add	*2,334.20*	
40 05 19 00-2766	EA	10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,775.32	478.86
		For Class 52 Rating, Deduct	*-885.47*	
		For Class 54 Rating, Add	*1,216.17*	
		For Class 55 Rating, Add	*1,812.51*	
		For Class 56 Rating, Add	*2,400.80*	
40 05 19 00-2767	EA	10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,005.55	482.23
		For Class 52 Rating, Deduct	*-910.24*	
		For Class 54 Rating, Add	*1,250.00*	
		For Class 55 Rating, Add	*1,862.84*	
		For Class 56 Rating, Add	*2,467.40*	
40 05 19 00-2768	EA	10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,235.78	485.60
		For Class 52 Rating, Deduct	*-935.00*	
		For Class 54 Rating, Add	*1,283.83*	
		For Class 55 Rating, Add	*1,913.16*	
		For Class 56 Rating, Add	*2,533.99*	
40 05 19 00-2769	EA	10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,466.01	488.97
		For Class 52 Rating, Deduct	*-959.77*	
		For Class 54 Rating, Add	*1,317.66*	
		For Class 55 Rating, Add	*1,963.49*	
		For Class 56 Rating, Add	*2,600.59*	
40 05 19 00-2770	EA	10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,696.25	492.34
		For Class 52 Rating, Deduct	*-984.53*	
		For Class 54 Rating, Add	*1,351.49*	
		For Class 55 Rating, Add	*2,013.81*	
		For Class 56 Rating, Add	*2,667.18*	
40 05 19 00-2771	EA	10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,926.49	495.72
		For Class 52 Rating, Deduct	*-1,009.29*	
		For Class 54 Rating, Add	*1,385.32*	
		For Class 55 Rating, Add	*2,064.14*	
		For Class 56 Rating, Add	*2,733.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2772	EA	10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,156.73	499.10
		For Class 52 Rating, Deduct	*-1,034.06*	
		For Class 54 Rating, Add	*1,419.15*	
		For Class 55 Rating, Add	*2,114.47*	
		For Class 56 Rating, Add	*2,800.38*	
40 05 19 00-2773	EA	10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,386.96	502.47
		For Class 52 Rating, Deduct	*-1,058.82*	
		For Class 54 Rating, Add	*1,452.98*	
		For Class 55 Rating, Add	*2,164.79*	
		For Class 56 Rating, Add	*2,866.97*	
40 05 19 00-2774	EA	10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,617.19	505.84
		For Class 52 Rating, Deduct	*-1,083.58*	
		For Class 54 Rating, Add	*1,486.81*	
		For Class 55 Rating, Add	*2,215.12*	
		For Class 56 Rating, Add	*2,933.57*	

40 05 19 00-2775 12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2776	EA	12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,418.97	472.12
		For Class 52 Rating, Deduct	*-187.40*	
		For Class 54 Rating, Add	*264.13*	
		For Class 55 Rating, Add	*397.08*	
		For Class 56 Rating, Add	*528.33*	
40 05 19 00-2777	EA	12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,703.98	475.49
		For Class 52 Rating, Deduct	*-218.19*	
		For Class 54 Rating, Add	*306.18*	
		For Class 55 Rating, Add	*459.62*	
		For Class 56 Rating, Add	*611.08*	
40 05 19 00-2778	EA	12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,988.98	478.86
		For Class 52 Rating, Deduct	*-248.98*	
		For Class 54 Rating, Add	*348.22*	
		For Class 55 Rating, Add	*522.16*	
		For Class 56 Rating, Add	*693.83*	
40 05 19 00-2779	EA	12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,273.97	482.23
		For Class 52 Rating, Deduct	*-279.76*	
		For Class 54 Rating, Add	*390.26*	
		For Class 55 Rating, Add	*584.69*	
		For Class 56 Rating, Add	*776.58*	
40 05 19 00-2780	EA	12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,558.96	485.60
		For Class 52 Rating, Deduct	*-310.55*	
		For Class 54 Rating, Add	*432.31*	
		For Class 55 Rating, Add	*647.23*	
		For Class 56 Rating, Add	*859.33*	
40 05 19 00-2781	EA	12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,843.95	488.97
		For Class 52 Rating, Deduct	*-341.34*	
		For Class 54 Rating, Add	*474.35*	
		For Class 55 Rating, Add	*709.77*	
		For Class 56 Rating, Add	*942.08*	
40 05 19 00-2782	EA	12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,128.95	492.34
		For Class 52 Rating, Deduct	*-372.13*	
		For Class 54 Rating, Add	*516.40*	
		For Class 55 Rating, Add	*772.31*	
		For Class 56 Rating, Add	*1,024.83*	
40 05 19 00-2783	EA	12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,413.95	495.72
		For Class 52 Rating, Deduct	*-402.91*	
		For Class 54 Rating, Add	*558.44*	
		For Class 55 Rating, Add	*834.84*	
		For Class 56 Rating, Add	*1,107.58*	
40 05 19 00-2784	EA	12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,698.95	499.10
		For Class 52 Rating, Deduct	*-433.70*	
		For Class 54 Rating, Add	*600.49*	
		For Class 55 Rating, Add	*897.38*	
		For Class 56 Rating, Add	*1,190.33*	
40 05 19 00-2785	EA	12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,983.94	502.47
		For Class 52 Rating, Deduct	*-464.49*	
		For Class 54 Rating, Add	*642.53*	
		For Class 55 Rating, Add	*959.92*	
		For Class 56 Rating, Add	*1,273.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2786	EA	12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,268.94	505.84
		For Class 52 Rating, Deduct	*-495.28*	
		For Class 54 Rating, Add	*684.58*	
		For Class 55 Rating, Add	*1,022.46*	
		For Class 56 Rating, Add	*1,355.83*	
40 05 19 00-2787	EA	12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,553.93	509.21
		For Class 52 Rating, Deduct	*-526.06*	
		For Class 54 Rating, Add	*726.62*	
		For Class 55 Rating, Add	*1,084.99*	
		For Class 56 Rating, Add	*1,438.58*	
40 05 19 00-2788	EA	12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,838.93	512.58
		For Class 52 Rating, Deduct	*-556.85*	
		For Class 54 Rating, Add	*768.66*	
		For Class 55 Rating, Add	*1,147.53*	
		For Class 56 Rating, Add	*1,521.33*	
40 05 19 00-2789	EA	12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,123.91	515.95
		For Class 52 Rating, Deduct	*-587.64*	
		For Class 54 Rating, Add	*810.71*	
		For Class 55 Rating, Add	*1,210.07*	
		For Class 56 Rating, Add	*1,604.08*	
40 05 19 00-2790	EA	12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,408.92	519.32
		For Class 52 Rating, Deduct	*-618.43*	
		For Class 54 Rating, Add	*852.75*	
		For Class 55 Rating, Add	*1,272.60*	
		For Class 56 Rating, Add	*1,686.83*	
40 05 19 00-2791	EA	12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,693.92	522.70
		For Class 52 Rating, Deduct	*-649.21*	
		For Class 54 Rating, Add	*894.80*	
		For Class 55 Rating, Add	*1,335.14*	
		For Class 56 Rating, Add	*1,769.59*	
40 05 19 00-2792	EA	12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,978.91	526.07
		For Class 52 Rating, Deduct	*-680.00*	
		For Class 54 Rating, Add	*936.84*	
		For Class 55 Rating, Add	*1,397.68*	
		For Class 56 Rating, Add	*1,852.33*	
40 05 19 00-2793	EA	12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,263.91	529.45
		For Class 52 Rating, Deduct	*-710.79*	
		For Class 54 Rating, Add	*978.88*	
		For Class 55 Rating, Add	*1,460.22*	
		For Class 56 Rating, Add	*1,935.09*	
40 05 19 00-2794	EA	12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,548.89	532.82
		For Class 52 Rating, Deduct	*-741.58*	
		For Class 54 Rating, Add	*1,020.93*	
		For Class 55 Rating, Add	*1,522.75*	
		For Class 56 Rating, Add	*2,017.83*	
40 05 19 00-2795	EA	12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,833.89	536.19
		For Class 52 Rating, Deduct	*-772.36*	
		For Class 54 Rating, Add	*1,062.97*	
		For Class 55 Rating, Add	*1,585.29*	
		For Class 56 Rating, Add	*2,100.59*	
40 05 19 00-2796	EA	12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,118.90	539.56
		For Class 52 Rating, Deduct	*-803.15*	
		For Class 54 Rating, Add	*1,105.02*	
		For Class 55 Rating, Add	*1,647.83*	
		For Class 56 Rating, Add	*2,183.34*	
40 05 19 00-2797	EA	12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,403.89	542.93
		For Class 52 Rating, Deduct	*-833.94*	
		For Class 54 Rating, Add	*1,147.06*	
		For Class 55 Rating, Add	*1,710.36*	
		For Class 56 Rating, Add	*2,266.09*	
40 05 19 00-2798	EA	12" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,688.89	546.30
		For Class 52 Rating, Deduct	*-864.73*	
		For Class 54 Rating, Add	*1,189.11*	
		For Class 55 Rating, Add	*1,772.90*	
		For Class 56 Rating, Add	*2,348.84*	
40 05 19 00-2799	EA	12" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,973.87	549.68
		For Class 52 Rating, Deduct	*-895.51*	
		For Class 54 Rating, Add	*1,231.15*	
		For Class 55 Rating, Add	*1,835.44*	
		For Class 56 Rating, Add	*2,431.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA	12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,258.87	553.05
		For Class 52 Rating, Deduct	*-926.30*	
		For Class 54 Rating, Add	*1,273.19*	
		For Class 55 Rating, Add	*1,897.98*	
		For Class 56 Rating, Add	*2,514.34*	
40 05 19 00-2801	EA	12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,543.87	556.42
		For Class 52 Rating, Deduct	*-957.09*	
		For Class 54 Rating, Add	*1,315.24*	
		For Class 55 Rating, Add	*1,960.51*	
		For Class 56 Rating, Add	*2,597.09*	
40 05 19 00-2802	EA	12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,828.87	559.79
		For Class 52 Rating, Deduct	*-987.88*	
		For Class 54 Rating, Add	*1,357.28*	
		For Class 55 Rating, Add	*2,023.05*	
		For Class 56 Rating, Add	*2,679.84*	
40 05 19 00-2803	EA	12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,113.87	563.17
		For Class 52 Rating, Deduct	*-1,018.66*	
		For Class 54 Rating, Add	*1,399.33*	
		For Class 55 Rating, Add	*2,085.59*	
		For Class 56 Rating, Add	*2,762.59*	
40 05 19 00-2804	EA	12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,398.85	566.54
		For Class 52 Rating, Deduct	*-1,049.45*	
		For Class 54 Rating, Add	*1,441.37*	
		For Class 55 Rating, Add	*2,148.12*	
		For Class 56 Rating, Add	*2,845.34*	
40 05 19 00-2805	EA	12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,683.85	569.91
		For Class 52 Rating, Deduct	*-1,080.24*	
		For Class 54 Rating, Add	*1,483.41*	
		For Class 55 Rating, Add	*2,210.66*	
		For Class 56 Rating, Add	*2,928.09*	
40 05 19 00-2806	EA	12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,968.85	573.28
		For Class 52 Rating, Deduct	*-1,111.03*	
		For Class 54 Rating, Add	*1,525.46*	
		For Class 55 Rating, Add	*2,273.20*	
		For Class 56 Rating, Add	*3,010.84*	
40 05 19 00-2807	EA	12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,253.84	576.65
		For Class 52 Rating, Deduct	*-1,141.81*	
		For Class 54 Rating, Add	*1,567.50*	
		For Class 55 Rating, Add	*2,335.74*	
		For Class 56 Rating, Add	*3,093.59*	
40 05 19 00-2808	EA	12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,538.83	580.03
		For Class 52 Rating, Deduct	*-1,172.60*	
		For Class 54 Rating, Add	*1,609.55*	
		For Class 55 Rating, Add	*2,398.27*	
		For Class 56 Rating, Add	*3,176.34*	
40 05 19 00-2809	EA	12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,823.84	583.40
		For Class 52 Rating, Deduct	*-1,203.39*	
		For Class 54 Rating, Add	*1,651.59*	
		For Class 55 Rating, Add	*2,460.81*	
		For Class 56 Rating, Add	*3,259.09*	
40 05 19 00-2810	EA	12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,108.83	586.77
		For Class 52 Rating, Deduct	*-1,234.18*	
		For Class 54 Rating, Add	*1,693.64*	
		For Class 55 Rating, Add	*2,523.35*	
		For Class 56 Rating, Add	*3,341.84*	
40 05 19 00-2811	EA	12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,393.83	590.14
		For Class 52 Rating, Deduct	*-1,264.96*	
		For Class 54 Rating, Add	*1,735.68*	
		For Class 55 Rating, Add	*2,585.89*	
		For Class 56 Rating, Add	*3,424.59*	
40 05 19 00-2812	EA	12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,678.82	593.52
		For Class 52 Rating, Deduct	*-1,295.75*	
		For Class 54 Rating, Add	*1,777.72*	
		For Class 55 Rating, Add	*2,648.42*	
		For Class 56 Rating, Add	*3,507.34*	
40 05 19 00-2813	EA	12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,963.81	596.89
		For Class 52 Rating, Deduct	*-1,326.54*	
		For Class 54 Rating, Add	*1,819.77*	
		For Class 55 Rating, Add	*2,710.96*	
		For Class 56 Rating, Add	*3,590.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2814	EA	12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,248.81	600.26
		For Class 52 Rating, Deduct	*-1,357.33*	
		For Class 54 Rating, Add	*1,861.81*	
		For Class 55 Rating, Add	*2,773.50*	
		For Class 56 Rating, Add	*3,672.84*	
40 05 19 00-2815		14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,371.28	566.54
		For Class 52 Rating, Deduct	*-276.42*	
		For Class 54 Rating, Add	*387.23*	
		For Class 55 Rating, Add	*580.98*	
		For Class 56 Rating, Add	*772.20*	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,717.12	569.91
		For Class 52 Rating, Deduct	*-313.90*	
		For Class 54 Rating, Add	*438.41*	
		For Class 55 Rating, Add	*657.08*	
		For Class 56 Rating, Add	*872.90*	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,062.96	573.28
		For Class 52 Rating, Deduct	*-351.38*	
		For Class 54 Rating, Add	*489.58*	
		For Class 55 Rating, Add	*733.19*	
		For Class 56 Rating, Add	*973.60*	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,408.80	576.65
		For Class 52 Rating, Deduct	*-388.86*	
		For Class 54 Rating, Add	*540.75*	
		For Class 55 Rating, Add	*809.29*	
		For Class 56 Rating, Add	*1,074.30*	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,754.63	580.03
		For Class 52 Rating, Deduct	*-426.34*	
		For Class 54 Rating, Add	*591.92*	
		For Class 55 Rating, Add	*885.40*	
		For Class 56 Rating, Add	*1,175.00*	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,100.48	583.40
		For Class 52 Rating, Deduct	*-463.82*	
		For Class 54 Rating, Add	*643.09*	
		For Class 55 Rating, Add	*961.50*	
		For Class 56 Rating, Add	*1,275.70*	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,446.33	586.77
		For Class 52 Rating, Deduct	*-501.30*	
		For Class 54 Rating, Add	*694.26*	
		For Class 55 Rating, Add	*1,037.61*	
		For Class 56 Rating, Add	*1,376.40*	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,792.17	590.14
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*745.43*	
		For Class 55 Rating, Add	*1,113.72*	
		For Class 56 Rating, Add	*1,477.10*	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,138.01	593.52
		For Class 52 Rating, Deduct	*-576.26*	
		For Class 54 Rating, Add	*796.60*	
		For Class 55 Rating, Add	*1,189.82*	
		For Class 56 Rating, Add	*1,577.80*	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,483.84	596.89
		For Class 52 Rating, Deduct	*-613.74*	
		For Class 54 Rating, Add	*847.77*	
		For Class 55 Rating, Add	*1,265.93*	
		For Class 56 Rating, Add	*1,678.50*	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,829.68	600.26
		For Class 52 Rating, Deduct	*-651.22*	
		For Class 54 Rating, Add	*898.94*	
		For Class 55 Rating, Add	*1,342.03*	
		For Class 56 Rating, Add	*1,779.20*	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,175.53	603.63
		For Class 52 Rating, Deduct	*-688.70*	
		For Class 54 Rating, Add	*950.11*	
		For Class 55 Rating, Add	*1,418.14*	
		For Class 56 Rating, Add	*1,879.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,521.37	607.01
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*1,001.29*	
		For Class 55 Rating, Add	*1,494.24*	
		For Class 56 Rating, Add	*1,980.60*	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,867.21	610.38
		For Class 52 Rating, Deduct	*-763.66*	
		For Class 54 Rating, Add	*1,052.46*	
		For Class 55 Rating, Add	*1,570.35*	
		For Class 56 Rating, Add	*2,081.30*	
40 05 19 00-2830	EA	14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,213.04	613.75
		For Class 52 Rating, Deduct	*-801.14*	
		For Class 54 Rating, Add	*1,103.63*	
		For Class 55 Rating, Add	*1,646.45*	
		For Class 56 Rating, Add	*2,182.00*	
40 05 19 00-2831	EA	14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,558.88	617.12
		For Class 52 Rating, Deduct	*-838.62*	
		For Class 54 Rating, Add	*1,154.80*	
		For Class 55 Rating, Add	*1,722.56*	
		For Class 56 Rating, Add	*2,282.70*	
40 05 19 00-2832	EA	14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,904.72	620.49
		For Class 52 Rating, Deduct	*-876.10*	
		For Class 54 Rating, Add	*1,205.97*	
		For Class 55 Rating, Add	*1,798.66*	
		For Class 56 Rating, Add	*2,383.40*	
40 05 19 00-2833	EA	14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,250.58	623.86
		For Class 52 Rating, Deduct	*-913.59*	
		For Class 54 Rating, Add	*1,257.14*	
		For Class 55 Rating, Add	*1,874.77*	
		For Class 56 Rating, Add	*2,484.10*	
40 05 19 00-2834	EA	14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,596.41	627.24
		For Class 52 Rating, Deduct	*-951.07*	
		For Class 54 Rating, Add	*1,308.31*	
		For Class 55 Rating, Add	*1,950.88*	
		For Class 56 Rating, Add	*2,584.80*	
40 05 19 00-2835	EA	14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,942.25	630.61
		For Class 52 Rating, Deduct	*-988.55*	
		For Class 54 Rating, Add	*1,359.48*	
		For Class 55 Rating, Add	*2,026.98*	
		For Class 56 Rating, Add	*2,685.50*	
40 05 19 00-2836	EA	14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,288.09	633.98
		For Class 52 Rating, Deduct	*-1,026.03*	
		For Class 54 Rating, Add	*1,410.65*	
		For Class 55 Rating, Add	*2,103.09*	
		For Class 56 Rating, Add	*2,786.20*	
40 05 19 00-2837	EA	14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,633.93	637.36
		For Class 52 Rating, Deduct	*-1,063.51*	
		For Class 54 Rating, Add	*1,461.82*	
		For Class 55 Rating, Add	*2,179.19*	
		For Class 56 Rating, Add	*2,886.90*	
40 05 19 00-2838	EA	14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,979.77	640.73
		For Class 52 Rating, Deduct	*-1,100.99*	
		For Class 54 Rating, Add	*1,513.00*	
		For Class 55 Rating, Add	*2,255.30*	
		For Class 56 Rating, Add	*2,987.59*	
40 05 19 00-2839	EA	14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,325.60	644.10
		For Class 52 Rating, Deduct	*-1,138.47*	
		For Class 54 Rating, Add	*1,564.17*	
		For Class 55 Rating, Add	*2,331.40*	
		For Class 56 Rating, Add	*3,088.29*	
40 05 19 00-2840	EA	14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,671.45	647.47
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,615.34*	
		For Class 55 Rating, Add	*2,407.51*	
		For Class 56 Rating, Add	*3,188.99*	
40 05 19 00-2841	EA	14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,017.29	650.84
		For Class 52 Rating, Deduct	*-1,213.43*	
		For Class 54 Rating, Add	*1,666.51*	
		For Class 55 Rating, Add	*2,483.62*	
		For Class 56 Rating, Add	*3,289.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2842	EA	14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,363.13	654.21
		For Class 52 Rating, Deduct	*-1,250.91*	
		For Class 54 Rating, Add	*1,717.68*	
		For Class 55 Rating, Add	*2,559.72*	
		For Class 56 Rating, Add	*3,390.39*	
40 05 19 00-2843	EA	14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,708.97	657.59
		For Class 52 Rating, Deduct	*-1,288.39*	
		For Class 54 Rating, Add	*1,768.85*	
		For Class 55 Rating, Add	*2,635.83*	
		For Class 56 Rating, Add	*3,491.09*	
40 05 19 00-2844	EA	14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,054.80	660.96
		For Class 52 Rating, Deduct	*-1,325.87*	
		For Class 54 Rating, Add	*1,820.02*	
		For Class 55 Rating, Add	*2,711.93*	
		For Class 56 Rating, Add	*3,591.79*	
40 05 19 00-2845	EA	14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,400.65	664.34
		For Class 52 Rating, Deduct	*-1,363.35*	
		For Class 54 Rating, Add	*1,871.19*	
		For Class 55 Rating, Add	*2,788.04*	
		For Class 56 Rating, Add	*3,692.49*	
40 05 19 00-2846	EA	14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,746.50	667.71
		For Class 52 Rating, Deduct	*-1,400.83*	
		For Class 54 Rating, Add	*1,922.36*	
		For Class 55 Rating, Add	*2,864.15*	
		For Class 56 Rating, Add	*3,793.19*	
40 05 19 00-2847	EA	14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,092.34	671.08
		For Class 52 Rating, Deduct	*-1,438.31*	
		For Class 54 Rating, Add	*1,973.53*	
		For Class 55 Rating, Add	*2,940.25*	
		For Class 56 Rating, Add	*3,893.89*	
40 05 19 00-2848	EA	14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,438.17	674.45
		For Class 52 Rating, Deduct	*-1,475.79*	
		For Class 54 Rating, Add	*2,024.70*	
		For Class 55 Rating, Add	*3,016.36*	
		For Class 56 Rating, Add	*3,994.59*	
40 05 19 00-2849	EA	14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,784.01	677.82
		For Class 52 Rating, Deduct	*-1,513.27*	
		For Class 54 Rating, Add	*2,075.88*	
		For Class 55 Rating, Add	*3,092.46*	
		For Class 56 Rating, Add	*4,095.29*	
40 05 19 00-2850	EA	14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,129.85	681.19
		For Class 52 Rating, Deduct	*-1,550.75*	
		For Class 54 Rating, Add	*2,127.05*	
		For Class 55 Rating, Add	*3,168.57*	
		For Class 56 Rating, Add	*4,195.99*	
40 05 19 00-2851	EA	14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,475.69	684.56
		For Class 52 Rating, Deduct	*-1,588.23*	
		For Class 54 Rating, Add	*2,178.22*	
		For Class 55 Rating, Add	*3,244.67*	
		For Class 56 Rating, Add	*4,296.69*	
40 05 19 00-2852	EA	14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,821.54	687.94
		For Class 52 Rating, Deduct	*-1,625.71*	
		For Class 54 Rating, Add	*2,229.39*	
		For Class 55 Rating, Add	*3,320.78*	
		For Class 56 Rating, Add	*4,397.39*	
40 05 19 00-2853	EA	14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,167.37	691.32
		For Class 52 Rating, Deduct	*-1,663.19*	
		For Class 54 Rating, Add	*2,280.56*	
		For Class 55 Rating, Add	*3,396.88*	
		For Class 56 Rating, Add	*4,498.09*	

40 05 19 00-2854 16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2855	EA	16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,947.20	647.47
		For Class 52 Rating, Deduct	*-326.28*	
		For Class 54 Rating, Add	*456.70*	
		For Class 55 Rating, Add	*685.00*	
		For Class 56 Rating, Add	*910.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2856	EA	16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,347.81	650.84
		For Class 52 Rating, Deduct	*-369.78*	
		For Class 54 Rating, Add	*516.09*	
		For Class 55 Rating, Add	*773.32*	
		For Class 56 Rating, Add	*1,027.20*	
40 05 19 00-2857	EA	16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,748.41	654.21
		For Class 52 Rating, Deduct	*-413.29*	
		For Class 54 Rating, Add	*575.47*	
		For Class 55 Rating, Add	*861.64*	
		For Class 56 Rating, Add	*1,144.05*	
40 05 19 00-2858	EA	16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,149.01	657.59
		For Class 52 Rating, Deduct	*-456.79*	
		For Class 54 Rating, Add	*634.86*	
		For Class 55 Rating, Add	*949.96*	
		For Class 56 Rating, Add	*1,260.90*	
40 05 19 00-2859	EA	16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,549.60	660.96
		For Class 52 Rating, Deduct	*-500.30*	
		For Class 54 Rating, Add	*694.24*	
		For Class 55 Rating, Add	*1,038.27*	
		For Class 56 Rating, Add	*1,377.76*	
40 05 19 00-2860	EA	16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,950.20	664.34
		For Class 52 Rating, Deduct	*-543.80*	
		For Class 54 Rating, Add	*753.62*	
		For Class 55 Rating, Add	*1,126.59*	
		For Class 56 Rating, Add	*1,494.61*	
40 05 19 00-2861	EA	16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,350.81	667.71
		For Class 52 Rating, Deduct	*-587.30*	
		For Class 54 Rating, Add	*813.01*	
		For Class 55 Rating, Add	*1,214.91*	
		For Class 56 Rating, Add	*1,611.46*	
40 05 19 00-2862	EA	16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,751.41	671.08
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*872.39*	
		For Class 55 Rating, Add	*1,303.22*	
		For Class 56 Rating, Add	*1,728.32*	
40 05 19 00-2863	EA	16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,152.00	674.45
		For Class 52 Rating, Deduct	*-674.31*	
		For Class 54 Rating, Add	*931.78*	
		For Class 55 Rating, Add	*1,391.54*	
		For Class 56 Rating, Add	*1,845.17*	
40 05 19 00-2864	EA	16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,552.60	677.82
		For Class 52 Rating, Deduct	*-717.82*	
		For Class 54 Rating, Add	*991.16*	
		For Class 55 Rating, Add	*1,479.86*	
		For Class 56 Rating, Add	*1,962.02*	
40 05 19 00-2865	EA	16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,953.21	681.19
		For Class 52 Rating, Deduct	*-761.32*	
		For Class 54 Rating, Add	*1,050.55*	
		For Class 55 Rating, Add	*1,568.18*	
		For Class 56 Rating, Add	*2,078.88*	
40 05 19 00-2866	EA	16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,353.81	684.56
		For Class 52 Rating, Deduct	*-804.82*	
		For Class 54 Rating, Add	*1,109.94*	
		For Class 55 Rating, Add	*1,656.49*	
		For Class 56 Rating, Add	*2,195.73*	
40 05 19 00-2867	EA	16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,754.42	687.94
		For Class 52 Rating, Deduct	*-848.33*	
		For Class 54 Rating, Add	*1,169.32*	
		For Class 55 Rating, Add	*1,744.81*	
		For Class 56 Rating, Add	*2,312.59*	
40 05 19 00-2868	EA	16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,155.01	691.32
		For Class 52 Rating, Deduct	*-891.83*	
		For Class 54 Rating, Add	*1,228.70*	
		For Class 55 Rating, Add	*1,833.13*	
		For Class 56 Rating, Add	*2,429.44*	
40 05 19 00-2869	EA	16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,555.61	694.69
		For Class 52 Rating, Deduct	*-935.34*	
		For Class 54 Rating, Add	*1,288.09*	
		For Class 55 Rating, Add	*1,921.44*	
		For Class 56 Rating, Add	*2,546.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2870	EA	16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,956.21	698.06
		For Class 52 Rating, Deduct	*-978.84*	
		For Class 54 Rating, Add	*1,347.47*	
		For Class 55 Rating, Add	*2,009.76*	
		For Class 56 Rating, Add	*2,663.15*	
40 05 19 00-2871	EA	16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,356.81	701.43
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,406.86*	
		For Class 55 Rating, Add	*2,098.08*	
		For Class 56 Rating, Add	*2,780.00*	
40 05 19 00-2872	EA	16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,757.41	704.80
		For Class 52 Rating, Deduct	*-1,065.85*	
		For Class 54 Rating, Add	*1,466.24*	
		For Class 55 Rating, Add	*2,186.39*	
		For Class 56 Rating, Add	*2,896.86*	
40 05 19 00-2873	EA	16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,158.02	708.17
		For Class 52 Rating, Deduct	*-1,109.35*	
		For Class 54 Rating, Add	*1,525.63*	
		For Class 55 Rating, Add	*2,274.71*	
		For Class 56 Rating, Add	*3,013.71*	
40 05 19 00-2874	EA	16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,558.62	711.54
		For Class 52 Rating, Deduct	*-1,152.86*	
		For Class 54 Rating, Add	*1,585.02*	
		For Class 55 Rating, Add	*2,363.03*	
		For Class 56 Rating, Add	*3,130.57*	
40 05 19 00-2875	EA	16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,959.22	714.91
		For Class 52 Rating, Deduct	*-1,196.36*	
		For Class 54 Rating, Add	*1,644.40*	
		For Class 55 Rating, Add	*2,451.35*	
		For Class 56 Rating, Add	*3,247.42*	
40 05 19 00-2876	EA	16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,359.82	718.29
		For Class 52 Rating, Deduct	*-1,239.87*	
		For Class 54 Rating, Add	*1,703.78*	
		For Class 55 Rating, Add	*2,539.66*	
		For Class 56 Rating, Add	*3,364.27*	
40 05 19 00-2877	EA	16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,760.42	721.67
		For Class 52 Rating, Deduct	*-1,283.37*	
		For Class 54 Rating, Add	*1,763.17*	
		For Class 55 Rating, Add	*2,627.98*	
		For Class 56 Rating, Add	*3,481.13*	
40 05 19 00-2878	EA	16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,161.01	725.04
		For Class 52 Rating, Deduct	*-1,326.87*	
		For Class 54 Rating, Add	*1,822.55*	
		For Class 55 Rating, Add	*2,716.30*	
		For Class 56 Rating, Add	*3,597.98*	
40 05 19 00-2879	EA	16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,561.61	728.41
		For Class 52 Rating, Deduct	*-1,370.38*	
		For Class 54 Rating, Add	*1,881.94*	
		For Class 55 Rating, Add	*2,804.61*	
		For Class 56 Rating, Add	*3,714.83*	
40 05 19 00-2880	EA	16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,962.22	731.78
		For Class 52 Rating, Deduct	*-1,413.88*	
		For Class 54 Rating, Add	*1,941.32*	
		For Class 55 Rating, Add	*2,892.93*	
		For Class 56 Rating, Add	*3,831.69*	
40 05 19 00-2881	EA	16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,362.83	735.15
		For Class 52 Rating, Deduct	*-1,457.39*	
		For Class 54 Rating, Add	*2,000.71*	
		For Class 55 Rating, Add	*2,981.25*	
		For Class 56 Rating, Add	*3,948.54*	
40 05 19 00-2882	EA	16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,763.42	738.52
		For Class 52 Rating, Deduct	*-1,500.89*	
		For Class 54 Rating, Add	*2,060.10*	
		For Class 55 Rating, Add	*3,069.57*	
		For Class 56 Rating, Add	*4,065.40*	
40 05 19 00-2883	EA	16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,164.02	741.89
		For Class 52 Rating, Deduct	*-1,544.39*	
		For Class 54 Rating, Add	*2,119.48*	
		For Class 55 Rating, Add	*3,157.88*	
		For Class 56 Rating, Add	*4,182.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2884	EA	16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,564.62	745.26
		For Class 52 Rating, Deduct	*-1,587.90*	
		For Class 54 Rating, Add	*2,178.86*	
		For Class 55 Rating, Add	*3,246.20*	
		For Class 56 Rating, Add	*4,299.10*	
40 05 19 00-2885	EA	16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,965.22	748.64
		For Class 52 Rating, Deduct	*-1,631.40*	
		For Class 54 Rating, Add	*2,238.25*	
		For Class 55 Rating, Add	*3,334.52*	
		For Class 56 Rating, Add	*4,415.96*	
40 05 19 00-2886	EA	16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,365.83	752.01
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,297.63*	
		For Class 55 Rating, Add	*3,422.84*	
		For Class 56 Rating, Add	*4,532.81*	
40 05 19 00-2887	EA	16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,766.42	755.39
		For Class 52 Rating, Deduct	*-1,718.41*	
		For Class 54 Rating, Add	*2,357.02*	
		For Class 55 Rating, Add	*3,511.15*	
		For Class 56 Rating, Add	*4,649.66*	
40 05 19 00-2888	EA	16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,167.02	758.76
		For Class 52 Rating, Deduct	*-1,761.91*	
		For Class 54 Rating, Add	*2,416.40*	
		For Class 55 Rating, Add	*3,599.47*	
		For Class 56 Rating, Add	*4,766.52*	
40 05 19 00-2889	EA	16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,567.62	762.13
		For Class 52 Rating, Deduct	*-1,805.42*	
		For Class 54 Rating, Add	*2,475.79*	
		For Class 55 Rating, Add	*3,687.79*	
		For Class 56 Rating, Add	*4,883.37*	
40 05 19 00-2890	EA	16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,968.23	765.50
		For Class 52 Rating, Deduct	*-1,848.92*	
		For Class 54 Rating, Add	*2,535.18*	
		For Class 55 Rating, Add	*3,776.11*	
		For Class 56 Rating, Add	*5,000.23*	
40 05 19 00-2891	EA	16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,368.83	768.87
		For Class 52 Rating, Deduct	*-1,892.43*	
		For Class 54 Rating, Add	*2,594.56*	
		For Class 55 Rating, Add	*3,864.42*	
		For Class 56 Rating, Add	*5,117.08*	
40 05 19 00-2892	EA	16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,769.43	772.24
		For Class 52 Rating, Deduct	*-1,935.93*	
		For Class 54 Rating, Add	*2,653.94*	
		For Class 55 Rating, Add	*3,952.74*	
		For Class 56 Rating, Add	*5,233.93*	

40 05 19 00-2893 18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2894	EA	18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,619.48	729.76
		For Class 52 Rating, Deduct	*-386.52*	
		For Class 54 Rating, Add	*540.34*	
		For Class 55 Rating, Add	*810.11*	
		For Class 56 Rating, Add	*1,076.37*	
40 05 19 00-2895	EA	18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,080.92	733.13
		For Class 52 Rating, Deduct	*-436.71*	
		For Class 54 Rating, Add	*608.85*	
		For Class 55 Rating, Add	*912.00*	
		For Class 56 Rating, Add	*1,211.17*	
40 05 19 00-2896	EA	18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,542.37	736.50
		For Class 52 Rating, Deduct	*-486.91*	
		For Class 54 Rating, Add	*677.36*	
		For Class 55 Rating, Add	*1,013.88*	
		For Class 56 Rating, Add	*1,345.98*	
40 05 19 00-2897	EA	18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,003.82	739.87
		For Class 52 Rating, Deduct	*-537.11*	
		For Class 54 Rating, Add	*745.87*	
		For Class 55 Rating, Add	*1,115.77*	
		For Class 56 Rating, Add	*1,480.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2898	EA	18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,465.26	743.24
		For Class 52 Rating, Deduct	*-587.30*	
		For Class 54 Rating, Add	*814.38*	
		For Class 55 Rating, Add	*1,217.65*	
		For Class 56 Rating, Add	*1,615.58*	
40 05 19 00-2899	EA	18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,926.70	746.63
		For Class 52 Rating, Deduct	*-637.50*	
		For Class 54 Rating, Add	*882.90*	
		For Class 55 Rating, Add	*1,319.54*	
		For Class 56 Rating, Add	*1,750.39*	
40 05 19 00-2900	EA	18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,388.15	750.00
		For Class 52 Rating, Deduct	*-687.70*	
		For Class 54 Rating, Add	*951.41*	
		For Class 55 Rating, Add	*1,421.42*	
		For Class 56 Rating, Add	*1,885.19*	
40 05 19 00-2901	EA	18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,849.60	753.37
		For Class 52 Rating, Deduct	*-737.90*	
		For Class 54 Rating, Add	*1,019.92*	
		For Class 55 Rating, Add	*1,523.31*	
		For Class 56 Rating, Add	*2,019.99*	
40 05 19 00-2902	EA	18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,311.05	756.74
		For Class 52 Rating, Deduct	*-788.09*	
		For Class 54 Rating, Add	*1,088.43*	
		For Class 55 Rating, Add	*1,625.20*	
		For Class 56 Rating, Add	*2,154.80*	
40 05 19 00-2903	EA	18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,772.48	760.11
		For Class 52 Rating, Deduct	*-838.29*	
		For Class 54 Rating, Add	*1,156.94*	
		For Class 55 Rating, Add	*1,727.08*	
		For Class 56 Rating, Add	*2,289.60*	
40 05 19 00-2904	EA	18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,233.93	763.48
		For Class 52 Rating, Deduct	*-888.49*	
		For Class 54 Rating, Add	*1,225.45*	
		For Class 55 Rating, Add	*1,828.97*	
		For Class 56 Rating, Add	*2,424.40*	
40 05 19 00-2905	EA	18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,695.37	766.85
		For Class 52 Rating, Deduct	*-938.68*	
		For Class 54 Rating, Add	*1,293.96*	
		For Class 55 Rating, Add	*1,930.85*	
		For Class 56 Rating, Add	*2,559.20*	
40 05 19 00-2906	EA	18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,156.82	770.22
		For Class 52 Rating, Deduct	*-988.88*	
		For Class 54 Rating, Add	*1,362.48*	
		For Class 55 Rating, Add	*2,032.74*	
		For Class 56 Rating, Add	*2,694.01*	
40 05 19 00-2907	EA	18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,618.28	773.60
		For Class 52 Rating, Deduct	*-1,039.08*	
		For Class 54 Rating, Add	*1,430.99*	
		For Class 55 Rating, Add	*2,134.62*	
		For Class 56 Rating, Add	*2,828.81*	
40 05 19 00-2908	EA	18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,079.71	776.98
		For Class 52 Rating, Deduct	*-1,089.27*	
		For Class 54 Rating, Add	*1,499.50*	
		For Class 55 Rating, Add	*2,236.51*	
		For Class 56 Rating, Add	*2,963.61*	
40 05 19 00-2909	EA	18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,541.16	780.35
		For Class 52 Rating, Deduct	*-1,139.47*	
		For Class 54 Rating, Add	*1,568.01*	
		For Class 55 Rating, Add	*2,338.40*	
		For Class 56 Rating, Add	*3,098.42*	
40 05 19 00-2910	EA	18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,002.60	783.72
		For Class 52 Rating, Deduct	*-1,189.67*	
		For Class 54 Rating, Add	*1,636.52*	
		For Class 55 Rating, Add	*2,440.28*	
		For Class 56 Rating, Add	*3,233.22*	
40 05 19 00-2911	EA	18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,464.05	787.09
		For Class 52 Rating, Deduct	*-1,239.87*	
		For Class 54 Rating, Add	*1,705.04*	
		For Class 55 Rating, Add	*2,542.17*	
		For Class 56 Rating, Add	*3,368.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2912	EA	18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,925.50	790.46
		For Class 52 Rating, Deduct	*-1,290.06*	
		For Class 54 Rating, Add	*1,773.55*	
		For Class 55 Rating, Add	*2,644.05*	
		For Class 56 Rating, Add	*3,502.83*	
40 05 19 00-2913	EA	18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,386.94	793.83
		For Class 52 Rating, Deduct	*-1,340.26*	
		For Class 54 Rating, Add	*1,842.06*	
		For Class 55 Rating, Add	*2,745.94*	
		For Class 56 Rating, Add	*3,637.63*	
40 05 19 00-2914	EA	18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,848.39	797.20
		For Class 52 Rating, Deduct	*-1,390.46*	
		For Class 54 Rating, Add	*1,910.57*	
		For Class 55 Rating, Add	*2,847.82*	
		For Class 56 Rating, Add	*3,772.43*	
40 05 19 00-2915	EA	18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,309.83	800.57
		For Class 52 Rating, Deduct	*-1,440.65*	
		For Class 54 Rating, Add	*1,979.08*	
		For Class 55 Rating, Add	*2,949.71*	
		For Class 56 Rating, Add	*3,907.24*	
40 05 19 00-2916	EA	18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,771.28	803.95
		For Class 52 Rating, Deduct	*-1,490.85*	
		For Class 54 Rating, Add	*2,047.59*	
		For Class 55 Rating, Add	*3,051.59*	
		For Class 56 Rating, Add	*4,042.04*	
40 05 19 00-2917	EA	18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,232.73	807.32
		For Class 52 Rating, Deduct	*-1,541.05*	
		For Class 54 Rating, Add	*2,116.11*	
		For Class 55 Rating, Add	*3,153.48*	
		For Class 56 Rating, Add	*4,176.84*	
40 05 19 00-2918	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,694.16	810.70
		For Class 52 Rating, Deduct	*-1,591.24*	
		For Class 54 Rating, Add	*2,184.62*	
		For Class 55 Rating, Add	*3,255.36*	
		For Class 56 Rating, Add	*4,311.64*	
40 05 19 00-2919	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,155.62	814.07
		For Class 52 Rating, Deduct	*-1,641.44*	
		For Class 54 Rating, Add	*2,253.13*	
		For Class 55 Rating, Add	*3,357.25*	
		For Class 56 Rating, Add	*4,446.45*	
40 05 19 00-2920	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,617.06	817.44
		For Class 52 Rating, Deduct	*-1,691.64*	
		For Class 54 Rating, Add	*2,321.64*	
		For Class 55 Rating, Add	*3,459.13*	
		For Class 56 Rating, Add	*4,581.25*	
40 05 19 00-2921	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,078.51	820.81
		For Class 52 Rating, Deduct	*-1,741.83*	
		For Class 54 Rating, Add	*2,390.15*	
		For Class 55 Rating, Add	*3,561.02*	
		For Class 56 Rating, Add	*4,716.06*	
40 05 19 00-2922	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,539.95	824.18
		For Class 52 Rating, Deduct	*-1,792.03*	
		For Class 54 Rating, Add	*2,458.67*	
		For Class 55 Rating, Add	*3,662.91*	
		For Class 56 Rating, Add	*4,850.86*	
40 05 19 00-2923	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,001.39	827.55
		For Class 52 Rating, Deduct	*-1,842.23*	
		For Class 54 Rating, Add	*2,527.18*	
		For Class 55 Rating, Add	*3,764.79*	
		For Class 56 Rating, Add	*4,985.66*	
40 05 19 00-2924	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,462.84	830.93
		For Class 52 Rating, Deduct	*-1,892.43*	
		For Class 54 Rating, Add	*2,595.69*	
		For Class 55 Rating, Add	*3,866.68*	
		For Class 56 Rating, Add	*5,120.46*	
40 05 19 00-2925	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,924.29	834.30
		For Class 52 Rating, Deduct	*-1,942.62*	
		For Class 54 Rating, Add	*2,664.20*	
		For Class 55 Rating, Add	*3,968.56*	
		For Class 56 Rating, Add	*5,255.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2926	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,385.74	837.67
		For Class 52 Rating, Deduct	*-1,992.82*	
		For Class 54 Rating, Add	*2,732.71*	
		For Class 55 Rating, Add	*4,070.45*	
		For Class 56 Rating, Add	*5,390.07*	
40 05 19 00-2927	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,847.18	841.05
		For Class 52 Rating, Deduct	*-2,043.02*	
		For Class 54 Rating, Add	*2,801.22*	
		For Class 55 Rating, Add	*4,172.34*	
		For Class 56 Rating, Add	*5,524.87*	
40 05 19 00-2928	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,308.62	844.42
		For Class 52 Rating, Deduct	*-2,093.21*	
		For Class 54 Rating, Add	*2,869.73*	
		For Class 55 Rating, Add	*4,274.22*	
		For Class 56 Rating, Add	*5,659.68*	
40 05 19 00-2929	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,770.07	847.79
		For Class 52 Rating, Deduct	*-2,143.41*	
		For Class 54 Rating, Add	*2,938.25*	
		For Class 55 Rating, Add	*4,376.11*	
		For Class 56 Rating, Add	*5,794.48*	
40 05 19 00-2930	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,231.51	851.16
		For Class 52 Rating, Deduct	*-2,193.61*	
		For Class 54 Rating, Add	*3,006.76*	
		For Class 55 Rating, Add	*4,477.99*	
		For Class 56 Rating, Add	*5,929.28*	
40 05 19 00-2931	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,692.96	854.53
		For Class 52 Rating, Deduct	*-2,243.80*	
		For Class 54 Rating, Add	*3,075.27*	
		For Class 55 Rating, Add	*4,579.88*	
		For Class 56 Rating, Add	*6,064.09*	

40 05 19 00-2932 20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2933	EA	20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,353.84	832.95
		For Class 52 Rating, Deduct	*-450.10*	
		For Class 54 Rating, Add	*628.92*	
		For Class 55 Rating, Add	*942.76*	
		For Class 56 Rating, Add	*1,252.52*	
40 05 19 00-2934	EA	20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,879.19	836.32
		For Class 52 Rating, Deduct	*-507.32*	
		For Class 54 Rating, Add	*707.01*	
		For Class 55 Rating, Add	*1,058.90*	
		For Class 56 Rating, Add	*1,406.17*	
40 05 19 00-2935	EA	20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,404.52	839.69
		For Class 52 Rating, Deduct	*-564.55*	
		For Class 54 Rating, Add	*785.11*	
		For Class 55 Rating, Add	*1,175.03*	
		For Class 56 Rating, Add	*1,559.82*	
40 05 19 00-2936	EA	20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,929.85	843.06
		For Class 52 Rating, Deduct	*-621.77*	
		For Class 54 Rating, Add	*863.20*	
		For Class 55 Rating, Add	*1,291.16*	
		For Class 56 Rating, Add	*1,713.47*	
40 05 19 00-2937	EA	20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,455.18	846.43
		For Class 52 Rating, Deduct	*-679.00*	
		For Class 54 Rating, Add	*941.29*	
		For Class 55 Rating, Add	*1,407.29*	
		For Class 56 Rating, Add	*1,867.12*	
40 05 19 00-2938	EA	20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,980.51	849.81
		For Class 52 Rating, Deduct	*-736.22*	
		For Class 54 Rating, Add	*1,019.39*	
		For Class 55 Rating, Add	*1,523.43*	
		For Class 56 Rating, Add	*2,020.77*	
40 05 19 00-2939	EA	20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,505.84	853.18
		For Class 52 Rating, Deduct	*-793.45*	
		For Class 54 Rating, Add	*1,097.48*	
		For Class 55 Rating, Add	*1,639.56*	
		For Class 56 Rating, Add	*2,174.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2940	EA	20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,031.18	856.55
		For Class 52 Rating, Deduct	*-850.67*	
		For Class 54 Rating, Add	*1,175.58*	
		For Class 55 Rating, Add	*1,755.69*	
		For Class 56 Rating, Add	*2,328.07*	
40 05 19 00-2941	EA	20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,556.52	859.93
		For Class 52 Rating, Deduct	*-907.90*	
		For Class 54 Rating, Add	*1,253.68*	
		For Class 55 Rating, Add	*1,871.82*	
		For Class 56 Rating, Add	*2,481.72*	
40 05 19 00-2942	EA	20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,081.85	863.30
		For Class 52 Rating, Deduct	*-965.12*	
		For Class 54 Rating, Add	*1,331.77*	
		For Class 55 Rating, Add	*1,987.95*	
		For Class 56 Rating, Add	*2,635.37*	
40 05 19 00-2943	EA	20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,607.17	866.67
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,409.86*	
		For Class 55 Rating, Add	*2,104.09*	
		For Class 56 Rating, Add	*2,789.01*	
40 05 19 00-2944	EA	20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,132.51	870.04
		For Class 52 Rating, Deduct	*-1,079.57*	
		For Class 54 Rating, Add	*1,487.96*	
		For Class 55 Rating, Add	*2,220.22*	
		For Class 56 Rating, Add	*2,942.67*	
40 05 19 00-2945	EA	20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,657.84	873.41
		For Class 52 Rating, Deduct	*-1,136.79*	
		For Class 54 Rating, Add	*1,566.05*	
		For Class 55 Rating, Add	*2,336.35*	
		For Class 56 Rating, Add	*3,096.32*	
40 05 19 00-2946	EA	20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,183.18	876.78
		For Class 52 Rating, Deduct	*-1,194.02*	
		For Class 54 Rating, Add	*1,644.15*	
		For Class 55 Rating, Add	*2,452.48*	
		For Class 56 Rating, Add	*3,249.96*	
40 05 19 00-2947	EA	20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,708.52	880.16
		For Class 52 Rating, Deduct	*-1,251.24*	
		For Class 54 Rating, Add	*1,722.24*	
		For Class 55 Rating, Add	*2,568.62*	
		For Class 56 Rating, Add	*3,403.62*	
40 05 19 00-2948	EA	20" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,233.84	883.53
		For Class 52 Rating, Deduct	*-1,308.47*	
		For Class 54 Rating, Add	*1,800.34*	
		For Class 55 Rating, Add	*2,684.75*	
		For Class 56 Rating, Add	*3,557.26*	
40 05 19 00-2949	EA	20" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,759.17	886.90
		For Class 52 Rating, Deduct	*-1,365.69*	
		For Class 54 Rating, Add	*1,878.43*	
		For Class 55 Rating, Add	*2,800.88*	
		For Class 56 Rating, Add	*3,710.91*	
40 05 19 00-2950	EA	20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,284.50	890.28
		For Class 52 Rating, Deduct	*-1,422.92*	
		For Class 54 Rating, Add	*1,956.53*	
		For Class 55 Rating, Add	*2,917.01*	
		For Class 56 Rating, Add	*3,864.56*	
40 05 19 00-2951	EA	20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,809.84	893.65
		For Class 52 Rating, Deduct	*-1,480.14*	
		For Class 54 Rating, Add	*2,034.62*	
		For Class 55 Rating, Add	*3,033.15*	
		For Class 56 Rating, Add	*4,018.21*	
40 05 19 00-2952	EA	20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,335.16	897.02
		For Class 52 Rating, Deduct	*-1,537.37*	
		For Class 54 Rating, Add	*2,112.72*	
		For Class 55 Rating, Add	*3,149.28*	
		For Class 56 Rating, Add	*4,171.86*	
40 05 19 00-2953	EA	20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,860.50	900.39
		For Class 52 Rating, Deduct	*-1,594.59*	
		For Class 54 Rating, Add	*2,190.81*	
		For Class 55 Rating, Add	*3,265.41*	
		For Class 56 Rating, Add	*4,325.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2954	EA	20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,385.84	903.76
		For Class 52 Rating, Deduct	*-1,651.82*	
		For Class 54 Rating, Add	*2,268.91*	
		For Class 55 Rating, Add	*3,381.54*	
		For Class 56 Rating, Add	*4,479.16*	
40 05 19 00-2955	EA	20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,911.17	907.13
		For Class 52 Rating, Deduct	*-1,709.04*	
		For Class 54 Rating, Add	*2,347.00*	
		For Class 55 Rating, Add	*3,497.68*	
		For Class 56 Rating, Add	*4,632.81*	
40 05 19 00-2956	EA	20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,436.50	910.50
		For Class 52 Rating, Deduct	*-1,766.26*	
		For Class 54 Rating, Add	*2,425.10*	
		For Class 55 Rating, Add	*3,613.81*	
		For Class 56 Rating, Add	*4,786.46*	
40 05 19 00-2957	EA	20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,961.83	913.88
		For Class 52 Rating, Deduct	*-1,823.49*	
		For Class 54 Rating, Add	*2,503.19*	
		For Class 55 Rating, Add	*3,729.94*	
		For Class 56 Rating, Add	*4,940.11*	
40 05 19 00-2958	EA	20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,487.16	917.26
		For Class 52 Rating, Deduct	*-1,880.71*	
		For Class 54 Rating, Add	*2,581.29*	
		For Class 55 Rating, Add	*3,846.07*	
		For Class 56 Rating, Add	*5,093.76*	
40 05 19 00-2959	EA	20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,012.50	920.63
		For Class 52 Rating, Deduct	*-1,937.94*	
		For Class 54 Rating, Add	*2,659.38*	
		For Class 55 Rating, Add	*3,962.20*	
		For Class 56 Rating, Add	*5,247.41*	
40 05 19 00-2960	EA	20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,537.83	924.00
		For Class 52 Rating, Deduct	*-1,995.16*	
		For Class 54 Rating, Add	*2,737.47*	
		For Class 55 Rating, Add	*4,078.34*	
		For Class 56 Rating, Add	*5,401.06*	
40 05 19 00-2961	EA	20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,063.17	927.37
		For Class 52 Rating, Deduct	*-2,052.39*	
		For Class 54 Rating, Add	*2,815.57*	
		For Class 55 Rating, Add	*4,194.47*	
		For Class 56 Rating, Add	*5,554.71*	
40 05 19 00-2962	EA	20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,588.49	930.74
		For Class 52 Rating, Deduct	*-2,109.61*	
		For Class 54 Rating, Add	*2,893.66*	
		For Class 55 Rating, Add	*4,310.60*	
		For Class 56 Rating, Add	*5,708.36*	
40 05 19 00-2963	EA	20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,113.82	934.11
		For Class 52 Rating, Deduct	*-2,166.84*	
		For Class 54 Rating, Add	*2,971.76*	
		For Class 55 Rating, Add	*4,426.73*	
		For Class 56 Rating, Add	*5,862.01*	
40 05 19 00-2964	EA	20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,639.16	937.48
		For Class 52 Rating, Deduct	*-2,224.06*	
		For Class 54 Rating, Add	*3,049.85*	
		For Class 55 Rating, Add	*4,542.87*	
		For Class 56 Rating, Add	*6,015.66*	
40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,164.50	940.85
		For Class 52 Rating, Deduct	*-2,281.28*	
		For Class 54 Rating, Add	*3,127.95*	
		For Class 55 Rating, Add	*4,659.00*	
		For Class 56 Rating, Add	*6,169.31*	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,689.82	944.24
		For Class 52 Rating, Deduct	*-2,338.51*	
		For Class 54 Rating, Add	*3,206.04*	
		For Class 55 Rating, Add	*4,775.13*	
		For Class 56 Rating, Add	*6,322.96*	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,215.16	947.61
		For Class 52 Rating, Deduct	*-2,395.73*	
		For Class 54 Rating, Add	*3,284.14*	
		For Class 55 Rating, Add	*4,891.26*	
		For Class 56 Rating, Add	*6,476.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,740.49	950.98
		For Class 52 Rating, Deduct	*-2,452.96*	
		For Class 54 Rating, Add	*3,362.23*	
		For Class 55 Rating, Add	*5,007.40*	
		For Class 56 Rating, Add	*6,630.26*	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,265.82	954.35
		For Class 52 Rating, Deduct	*-2,510.18*	
		For Class 54 Rating, Add	*3,440.33*	
		For Class 55 Rating, Add	*5,123.53*	
		For Class 56 Rating, Add	*6,783.91*	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,791.16	957.72
		For Class 52 Rating, Deduct	*-2,567.41*	
		For Class 54 Rating, Add	*3,518.42*	
		For Class 55 Rating, Add	*5,239.66*	
		For Class 56 Rating, Add	*6,937.56*	

40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,657.69	984.70
		For Class 52 Rating, Deduct	*-568.23*	
		For Class 54 Rating, Add	*792.76*	
		For Class 55 Rating, Add	*1,187.76*	
		For Class 56 Rating, Add	*1,577.60*	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,307.76	988.07
		For Class 52 Rating, Deduct	*-639.17*	
		For Class 54 Rating, Add	*889.57*	
		For Class 55 Rating, Add	*1,331.71*	
		For Class 56 Rating, Add	*1,768.05*	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,957.82	991.44
		For Class 52 Rating, Deduct	*-710.12*	
		For Class 54 Rating, Add	*986.37*	
		For Class 55 Rating, Add	*1,475.66*	
		For Class 56 Rating, Add	*1,958.49*	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,607.88	994.81
		For Class 52 Rating, Deduct	*-781.06*	
		For Class 54 Rating, Add	*1,083.18*	
		For Class 55 Rating, Add	*1,619.61*	
		For Class 56 Rating, Add	*2,148.94*	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,257.94	998.18
		For Class 52 Rating, Deduct	*-852.01*	
		For Class 54 Rating, Add	*1,179.98*	
		For Class 55 Rating, Add	*1,763.55*	
		For Class 56 Rating, Add	*2,339.38*	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,908.01	1,001.56
		For Class 52 Rating, Deduct	*-922.96*	
		For Class 54 Rating, Add	*1,276.79*	
		For Class 55 Rating, Add	*1,907.50*	
		For Class 56 Rating, Add	*2,529.83*	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,558.08	1,004.93
		For Class 52 Rating, Deduct	*-993.90*	
		For Class 54 Rating, Add	*1,373.59*	
		For Class 55 Rating, Add	*2,051.45*	
		For Class 56 Rating, Add	*2,720.27*	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,208.14	1,008.31
		For Class 52 Rating, Deduct	*-1,064.85*	
		For Class 54 Rating, Add	*1,470.39*	
		For Class 55 Rating, Add	*2,195.40*	
		For Class 56 Rating, Add	*2,910.72*	
40 05 19 00-2980	EA	24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,858.20	1,011.68
		For Class 52 Rating, Deduct	*-1,135.79*	
		For Class 54 Rating, Add	*1,567.20*	
		For Class 55 Rating, Add	*2,339.34*	
		For Class 56 Rating, Add	*3,101.16*	
40 05 19 00-2981	EA	24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,508.27	1,015.05
		For Class 52 Rating, Deduct	*-1,206.74*	
		For Class 54 Rating, Add	*1,664.00*	
		For Class 55 Rating, Add	*2,483.29*	
		For Class 56 Rating, Add	*3,291.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2982	EA	24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,158.33	1,018.42
		For Class 52 Rating, Deduct	*-1,277.68*	
		For Class 54 Rating, Add	*1,760.81*	
		For Class 55 Rating, Add	*2,627.24*	
		For Class 56 Rating, Add	*3,482.05*	
40 05 19 00-2983	EA	24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,808.40	1,021.79
		For Class 52 Rating, Deduct	*-1,348.63*	
		For Class 54 Rating, Add	*1,857.61*	
		For Class 55 Rating, Add	*2,771.19*	
		For Class 56 Rating, Add	*3,672.50*	
40 05 19 00-2984	EA	24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,458.46	1,025.16
		For Class 52 Rating, Deduct	*-1,419.57*	
		For Class 54 Rating, Add	*1,954.42*	
		For Class 55 Rating, Add	*2,915.13*	
		For Class 56 Rating, Add	*3,862.95*	
40 05 19 00-2985	EA	24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,108.53	1,028.54
		For Class 52 Rating, Deduct	*-1,490.52*	
		For Class 54 Rating, Add	*2,051.22*	
		For Class 55 Rating, Add	*3,059.08*	
		For Class 56 Rating, Add	*4,053.39*	
40 05 19 00-2986	EA	24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,758.59	1,031.91
		For Class 52 Rating, Deduct	*-1,561.46*	
		For Class 54 Rating, Add	*2,148.03*	
		For Class 55 Rating, Add	*3,203.03*	
		For Class 56 Rating, Add	*4,243.84*	
40 05 19 00-2987	EA	24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,408.66	1,035.28
		For Class 52 Rating, Deduct	*-1,632.41*	
		For Class 54 Rating, Add	*2,244.83*	
		For Class 55 Rating, Add	*3,346.98*	
		For Class 56 Rating, Add	*4,434.28*	
40 05 19 00-2988	EA	24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,058.72	1,038.65
		For Class 52 Rating, Deduct	*-1,703.35*	
		For Class 54 Rating, Add	*2,341.63*	
		For Class 55 Rating, Add	*3,490.92*	
		For Class 56 Rating, Add	*4,624.73*	
40 05 19 00-2989	EA	24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,708.78	1,042.03
		For Class 52 Rating, Deduct	*-1,774.30*	
		For Class 54 Rating, Add	*2,438.44*	
		For Class 55 Rating, Add	*3,634.87*	
		For Class 56 Rating, Add	*4,815.18*	
40 05 19 00-2990	EA	24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,358.85	1,045.40
		For Class 52 Rating, Deduct	*-1,845.24*	
		For Class 54 Rating, Add	*2,535.24*	
		For Class 55 Rating, Add	*3,778.82*	
		For Class 56 Rating, Add	*5,005.62*	
40 05 19 00-2991	EA	24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,008.92	1,048.77
		For Class 52 Rating, Deduct	*-1,916.19*	
		For Class 54 Rating, Add	*2,632.05*	
		For Class 55 Rating, Add	*3,922.77*	
		For Class 56 Rating, Add	*5,196.07*	
40 05 19 00-2992	EA	24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,658.98	1,052.14
		For Class 52 Rating, Deduct	*-1,987.13*	
		For Class 54 Rating, Add	*2,728.85*	
		For Class 55 Rating, Add	*4,066.71*	
		For Class 56 Rating, Add	*5,386.51*	
40 05 19 00-2993	EA	24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,309.04	1,055.51
		For Class 52 Rating, Deduct	*-2,058.08*	
		For Class 54 Rating, Add	*2,825.66*	
		For Class 55 Rating, Add	*4,210.66*	
		For Class 56 Rating, Add	*5,576.96*	
40 05 19 00-2994	EA	24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,959.10	1,058.89
		For Class 52 Rating, Deduct	*-2,129.02*	
		For Class 54 Rating, Add	*2,922.46*	
		For Class 55 Rating, Add	*4,354.61*	
		For Class 56 Rating, Add	*5,767.40*	
40 05 19 00-2995	EA	24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,609.17	1,062.26
		For Class 52 Rating, Deduct	*-2,199.97*	
		For Class 54 Rating, Add	*3,019.27*	
		For Class 55 Rating, Add	*4,498.56*	
		For Class 56 Rating, Add	*5,957.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2996	EA	24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,259.23	1,065.63
		For Class 52 Rating, Deduct	*-2,270.91*	
		For Class 54 Rating, Add	*3,116.07*	
		For Class 55 Rating, Add	*4,642.50*	
		For Class 56 Rating, Add	*6,148.29*	
40 05 19 00-2997	EA	24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,909.31	1,069.00
		For Class 52 Rating, Deduct	*-2,341.86*	
		For Class 54 Rating, Add	*3,212.88*	
		For Class 55 Rating, Add	*4,786.45*	
		For Class 56 Rating, Add	*6,338.74*	
40 05 19 00-2998	EA	24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,559.36	1,072.38
		For Class 52 Rating, Deduct	*-2,412.80*	
		For Class 54 Rating, Add	*3,309.68*	
		For Class 55 Rating, Add	*4,930.40*	
		For Class 56 Rating, Add	*6,529.19*	
40 05 19 00-2999	EA	24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,209.43	1,075.75
		For Class 52 Rating, Deduct	*-2,483.75*	
		For Class 54 Rating, Add	*3,406.49*	
		For Class 55 Rating, Add	*5,074.35*	
		For Class 56 Rating, Add	*6,719.63*	
40 05 19 00-3000	EA	24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,859.49	1,079.12
		For Class 52 Rating, Deduct	*-2,554.69*	
		For Class 54 Rating, Add	*3,503.29*	
		For Class 55 Rating, Add	*5,218.30*	
		For Class 56 Rating, Add	*6,910.08*	
40 05 19 00-3001	EA	24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,596.42	1,139.82
		For Class 52 Rating, Deduct	*-2,625.64*	
		For Class 54 Rating, Add	*3,601.14*	
		For Class 55 Rating, Add	*5,364.33*	
		For Class 56 Rating, Add	*7,103.65*	
40 05 19 00-3002	EA	24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,246.48	1,143.20
		For Class 52 Rating, Deduct	*-2,696.58*	
		For Class 54 Rating, Add	*3,697.94*	
		For Class 55 Rating, Add	*5,508.28*	
		For Class 56 Rating, Add	*7,294.10*	
40 05 19 00-3003	EA	24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,896.54	1,146.57
		For Class 52 Rating, Deduct	*-2,767.53*	
		For Class 54 Rating, Add	*3,794.74*	
		For Class 55 Rating, Add	*5,652.22*	
		For Class 56 Rating, Add	*7,484.54*	
40 05 19 00-3004	EA	24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,546.61	1,149.94
		For Class 52 Rating, Deduct	*-2,838.47*	
		For Class 54 Rating, Add	*3,891.55*	
		For Class 55 Rating, Add	*5,796.17*	
		For Class 56 Rating, Add	*7,674.99*	
40 05 19 00-3005	EA	24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,196.67	1,153.31
		For Class 52 Rating, Deduct	*-2,909.42*	
		For Class 54 Rating, Add	*3,988.35*	
		For Class 55 Rating, Add	*5,940.12*	
		For Class 56 Rating, Add	*7,865.43*	
40 05 19 00-3006	EA	24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,843.70	1,156.68
		For Class 52 Rating, Deduct	*-2,980.03*	
		For Class 54 Rating, Add	*4,084.70*	
		For Class 55 Rating, Add	*6,083.39*	
		For Class 56 Rating, Add	*8,054.98*	
40 05 19 00-3007	EA	24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,496.80	1,160.05
		For Class 52 Rating, Deduct	*-3,051.31*	
		For Class 54 Rating, Add	*4,181.96*	
		For Class 55 Rating, Add	*6,228.01*	
		For Class 56 Rating, Add	*8,246.32*	
40 05 19 00-3008	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,146.87	1,163.42
		For Class 52 Rating, Deduct	*-3,122.25*	
		For Class 54 Rating, Add	*4,278.77*	
		For Class 55 Rating, Add	*6,371.96*	
		For Class 56 Rating, Add	*8,436.77*	
40 05 19 00-3009	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,796.92	1,166.79
		For Class 52 Rating, Deduct	*-3,193.20*	
		For Class 54 Rating, Add	*4,375.57*	
		For Class 55 Rating, Add	*6,515.91*	
		For Class 56 Rating, Add	*8,627.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3010		30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,240.05	1,389.36
		For Class 52 Rating, Deduct	*-894.84*	
		For Class 54 Rating, Add	*1,245.50*	
		For Class 55 Rating, Add	*1,864.62*	
		For Class 56 Rating, Add	*2,475.59*	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,170.00	1,392.74
		For Class 52 Rating, Deduct	*-996.58*	
		For Class 54 Rating, Add	*1,384.29*	
		For Class 55 Rating, Add	*2,070.98*	
		For Class 56 Rating, Add	*2,748.61*	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,099.95	1,396.12
		For Class 52 Rating, Deduct	*-1,098.31*	
		For Class 54 Rating, Add	*1,523.08*	
		For Class 55 Rating, Add	*2,277.34*	
		For Class 56 Rating, Add	*3,021.62*	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,029.90	1,399.49
		For Class 52 Rating, Deduct	*-1,200.04*	
		For Class 54 Rating, Add	*1,661.87*	
		For Class 55 Rating, Add	*2,483.70*	
		For Class 56 Rating, Add	*3,294.63*	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,959.85	1,402.86
		For Class 52 Rating, Deduct	*-1,301.77*	
		For Class 54 Rating, Add	*1,800.65*	
		For Class 55 Rating, Add	*2,690.06*	
		For Class 56 Rating, Add	*3,567.64*	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,889.80	1,406.23
		For Class 52 Rating, Deduct	*-1,403.51*	
		For Class 54 Rating, Add	*1,939.44*	
		For Class 55 Rating, Add	*2,896.43*	
		For Class 56 Rating, Add	*3,840.65*	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,819.76	1,409.60
		For Class 52 Rating, Deduct	*-1,505.24*	
		For Class 54 Rating, Add	*2,078.23*	
		For Class 55 Rating, Add	*3,102.79*	
		For Class 56 Rating, Add	*4,113.67*	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,749.71	1,412.97
		For Class 52 Rating, Deduct	*-1,606.97*	
		For Class 54 Rating, Add	*2,217.02*	
		For Class 55 Rating, Add	*3,309.15*	
		For Class 56 Rating, Add	*4,386.68*	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,679.66	1,416.34
		For Class 52 Rating, Deduct	*-1,708.70*	
		For Class 54 Rating, Add	*2,355.80*	
		For Class 55 Rating, Add	*3,515.51*	
		For Class 56 Rating, Add	*4,659.69*	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,609.61	1,419.71
		For Class 52 Rating, Deduct	*-1,810.44*	
		For Class 54 Rating, Add	*2,494.59*	
		For Class 55 Rating, Add	*3,721.88*	
		For Class 56 Rating, Add	*4,932.70*	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,539.55	1,423.09
		For Class 52 Rating, Deduct	*-1,912.17*	
		For Class 54 Rating, Add	*2,633.38*	
		For Class 55 Rating, Add	*3,928.24*	
		For Class 56 Rating, Add	*5,205.71*	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,469.51	1,426.47
		For Class 52 Rating, Deduct	*-2,013.90*	
		For Class 54 Rating, Add	*2,772.17*	
		For Class 55 Rating, Add	*4,134.60*	
		For Class 56 Rating, Add	*5,478.73*	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,399.46	1,429.84
		For Class 52 Rating, Deduct	*-2,115.63*	
		For Class 54 Rating, Add	*2,910.95*	
		For Class 55 Rating, Add	*4,340.96*	
		For Class 56 Rating, Add	*5,751.74*	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,329.41	1,433.21
		For Class 52 Rating, Deduct	*-2,217.37*	
		For Class 54 Rating, Add	*3,049.74*	
		For Class 55 Rating, Add	*4,547.32*	
		For Class 56 Rating, Add	*6,024.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3025	EA	30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,259.35	1,436.58
		For Class 52 Rating, Deduct	*-2,319.10*	
		For Class 54 Rating, Add	*3,188.53*	
		For Class 55 Rating, Add	*4,753.69*	
		For Class 56 Rating, Add	*6,297.76*	
40 05 19 00-3026	EA	30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,189.30	1,439.95
		For Class 52 Rating, Deduct	*-2,420.83*	
		For Class 54 Rating, Add	*3,327.31*	
		For Class 55 Rating, Add	*4,960.05*	
		For Class 56 Rating, Add	*6,570.77*	
40 05 19 00-3027	EA	30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,119.26	1,443.32
		For Class 52 Rating, Deduct	*-2,522.57*	
		For Class 54 Rating, Add	*3,466.10*	
		For Class 55 Rating, Add	*5,166.41*	
		For Class 56 Rating, Add	*6,843.79*	
40 05 19 00-3028	EA	30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,049.21	1,446.69
		For Class 52 Rating, Deduct	*-2,624.30*	
		For Class 54 Rating, Add	*3,604.89*	
		For Class 55 Rating, Add	*5,372.77*	
		For Class 56 Rating, Add	*7,116.80*	
40 05 19 00-3029	EA	30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,979.17	1,450.06
		For Class 52 Rating, Deduct	*-2,726.03*	
		For Class 54 Rating, Add	*3,743.68*	
		For Class 55 Rating, Add	*5,579.14*	
		For Class 56 Rating, Add	*7,389.81*	
40 05 19 00-3030	EA	30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,909.11	1,453.44
		For Class 52 Rating, Deduct	*-2,827.76*	
		For Class 54 Rating, Add	*3,882.47*	
		For Class 55 Rating, Add	*5,785.50*	
		For Class 56 Rating, Add	*7,662.82*	
40 05 19 00-3031	EA	30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,839.06	1,456.82
		For Class 52 Rating, Deduct	*-2,929.49*	
		For Class 54 Rating, Add	*4,021.25*	
		For Class 55 Rating, Add	*5,991.86*	
		For Class 56 Rating, Add	*7,935.83*	
40 05 19 00-3032	EA	30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,769.01	1,460.19
		For Class 52 Rating, Deduct	*-3,031.23*	
		For Class 54 Rating, Add	*4,160.04*	
		For Class 55 Rating, Add	*6,198.22*	
		For Class 56 Rating, Add	*8,208.85*	
40 05 19 00-3033	EA	30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,698.96	1,463.56
		For Class 52 Rating, Deduct	*-3,132.96*	
		For Class 54 Rating, Add	*4,298.83*	
		For Class 55 Rating, Add	*6,404.58*	
		For Class 56 Rating, Add	*8,481.86*	
40 05 19 00-3034	EA	30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,628.91	1,466.93
		For Class 52 Rating, Deduct	*-3,234.69*	
		For Class 54 Rating, Add	*4,437.61*	
		For Class 55 Rating, Add	*6,610.95*	
		For Class 56 Rating, Add	*8,754.87*	
40 05 19 00-3035	EA	30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,558.86	1,470.30
		For Class 52 Rating, Deduct	*-3,336.42*	
		For Class 54 Rating, Add	*4,576.40*	
		For Class 55 Rating, Add	*6,817.31*	
		For Class 56 Rating, Add	*9,027.88*	
40 05 19 00-3036	EA	30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,488.81	1,473.67
		For Class 52 Rating, Deduct	*-3,438.16*	
		For Class 54 Rating, Add	*4,715.19*	
		For Class 55 Rating, Add	*7,023.67*	
		For Class 56 Rating, Add	*9,300.89*	
40 05 19 00-3037	EA	30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,418.76	1,477.04
		For Class 52 Rating, Deduct	*-3,539.89*	
		For Class 54 Rating, Add	*4,853.98*	
		For Class 55 Rating, Add	*7,230.03*	
		For Class 56 Rating, Add	*9,573.91*	
40 05 19 00-3038	EA	30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,348.72	1,480.42
		For Class 52 Rating, Deduct	*-3,641.62*	
		For Class 54 Rating, Add	*4,992.77*	
		For Class 55 Rating, Add	*7,436.40*	
		For Class 56 Rating, Add	*9,846.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3039	EA	30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,278.66	1,483.79
		For Class 52 Rating, Deduct	*-3,743.36*	
		For Class 54 Rating, Add	*5,131.55*	
		For Class 55 Rating, Add	*7,642.76*	
		For Class 56 Rating, Add	*10,119.93*	
40 05 19 00-3040	EA	30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,208.61	1,487.16
		For Class 52 Rating, Deduct	*-3,845.09*	
		For Class 54 Rating, Add	*5,270.34*	
		For Class 55 Rating, Add	*7,849.12*	
		For Class 56 Rating, Add	*10,392.94*	
40 05 19 00-3041	EA	30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,138.57	1,490.54
		For Class 52 Rating, Deduct	*-3,946.82*	
		For Class 54 Rating, Add	*5,409.13*	
		For Class 55 Rating, Add	*8,055.48*	
		For Class 56 Rating, Add	*10,665.96*	
40 05 19 00-3042	EA	30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,068.52	1,493.91
		For Class 52 Rating, Deduct	*-4,048.55*	
		For Class 54 Rating, Add	*5,547.92*	
		For Class 55 Rating, Add	*8,261.84*	
		For Class 56 Rating, Add	*10,938.97*	
40 05 19 00-3043	EA	30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,998.47	1,497.28
		For Class 52 Rating, Deduct	*-4,150.28*	
		For Class 54 Rating, Add	*5,686.70*	
		For Class 55 Rating, Add	*8,468.21*	
		For Class 56 Rating, Add	*11,211.98*	
40 05 19 00-3044	EA	30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,928.41	1,500.65
		For Class 52 Rating, Deduct	*-4,252.02*	
		For Class 54 Rating, Add	*5,825.49*	
		For Class 55 Rating, Add	*8,674.57*	
		For Class 56 Rating, Add	*11,484.99*	
40 05 19 00-3045	EA	30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,858.36	1,504.02
		For Class 52 Rating, Deduct	*-4,353.75*	
		For Class 54 Rating, Add	*5,964.28*	
		For Class 55 Rating, Add	*8,880.93*	
		For Class 56 Rating, Add	*11,758.00*	

40 05 19 00-3046 36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2614)*

40 05 19 00-3047	EA	36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,169.85	1,760.31
		For Class 52 Rating, Deduct	*-1,265.30*	
		For Class 54 Rating, Add	*1,757.41*	
		For Class 55 Rating, Add	*2,629.12*	
		For Class 56 Rating, Add	*3,489.32*	
40 05 19 00-3048	EA	36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,416.20	1,763.69
		For Class 52 Rating, Deduct	*-1,401.83*	
		For Class 54 Rating, Add	*1,943.66*	
		For Class 55 Rating, Add	*2,906.03*	
		For Class 56 Rating, Add	*3,855.66*	
40 05 19 00-3049	EA	36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,662.55	1,767.06
		For Class 52 Rating, Deduct	*-1,538.37*	
		For Class 54 Rating, Add	*2,129.91*	
		For Class 55 Rating, Add	*3,182.95*	
		For Class 56 Rating, Add	*4,222.01*	
40 05 19 00-3050	EA	36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,908.88	1,770.43
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,316.15*	
		For Class 55 Rating, Add	*3,459.87*	
		For Class 56 Rating, Add	*4,588.36*	
40 05 19 00-3051	EA	36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,155.23	1,773.80
		For Class 52 Rating, Deduct	*-1,811.44*	
		For Class 54 Rating, Add	*2,502.40*	
		For Class 55 Rating, Add	*3,736.79*	
		For Class 56 Rating, Add	*4,954.71*	
40 05 19 00-3052	EA	36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,401.57	1,777.18
		For Class 52 Rating, Deduct	*-1,947.98*	
		For Class 54 Rating, Add	*2,688.64*	
		For Class 55 Rating, Add	*4,013.70*	
		For Class 56 Rating, Add	*5,321.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3053	EA	36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,647.91	1,780.55
		For Class 52 Rating, Deduct	*-2,084.51*	
		For Class 54 Rating, Add	*2,874.89*	
		For Class 55 Rating, Add	*4,290.62*	
		For Class 56 Rating, Add	*5,687.40*	
40 05 19 00-3054	EA	36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,894.26	1,783.92
		For Class 52 Rating, Deduct	*-2,221.05*	
		For Class 54 Rating, Add	*3,061.14*	
		For Class 55 Rating, Add	*4,567.54*	
		For Class 56 Rating, Add	*6,053.75*	
40 05 19 00-3055	EA	36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,140.60	1,787.29
		For Class 52 Rating, Deduct	*-2,357.58*	
		For Class 54 Rating, Add	*3,247.38*	
		For Class 55 Rating, Add	*4,844.46*	
		For Class 56 Rating, Add	*6,420.10*	
40 05 19 00-3056	EA	36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,386.94	1,790.67
		For Class 52 Rating, Deduct	*-2,494.12*	
		For Class 54 Rating, Add	*3,433.63*	
		For Class 55 Rating, Add	*5,121.37*	
		For Class 56 Rating, Add	*6,786.45*	
40 05 19 00-3057	EA	36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,633.29	1,794.04
		For Class 52 Rating, Deduct	*-2,630.66*	
		For Class 54 Rating, Add	*3,619.88*	
		For Class 55 Rating, Add	*5,398.29*	
		For Class 56 Rating, Add	*7,152.80*	
40 05 19 00-3058	EA	36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,879.63	1,797.41
		For Class 52 Rating, Deduct	*-2,767.19*	
		For Class 54 Rating, Add	*3,806.12*	
		For Class 55 Rating, Add	*5,675.21*	
		For Class 56 Rating, Add	*7,519.14*	
40 05 19 00-3059	EA	36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,125.97	1,800.78
		For Class 52 Rating, Deduct	*-2,903.73*	
		For Class 54 Rating, Add	*3,992.37*	
		For Class 55 Rating, Add	*5,952.13*	
		For Class 56 Rating, Add	*7,885.49*	
40 05 19 00-3060	EA	36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,372.31	1,804.15
		For Class 52 Rating, Deduct	*-3,040.26*	
		For Class 54 Rating, Add	*4,178.62*	
		For Class 55 Rating, Add	*6,229.05*	
		For Class 56 Rating, Add	*8,251.84*	
40 05 19 00-3061	EA	36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,618.66	1,807.52
		For Class 52 Rating, Deduct	*-3,176.80*	
		For Class 54 Rating, Add	*4,364.86*	
		For Class 55 Rating, Add	*6,505.96*	
		For Class 56 Rating, Add	*8,618.19*	
40 05 19 00-3062	EA	36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,865.01	1,810.90
		For Class 52 Rating, Deduct	*-3,313.33*	
		For Class 54 Rating, Add	*4,551.11*	
		For Class 55 Rating, Add	*6,782.88*	
		For Class 56 Rating, Add	*8,984.54*	
40 05 19 00-3063	EA	36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,111.35	1,814.27
		For Class 52 Rating, Deduct	*-3,449.87*	
		For Class 54 Rating, Add	*4,737.35*	
		For Class 55 Rating, Add	*7,059.80*	
		For Class 56 Rating, Add	*9,350.88*	
40 05 19 00-3064	EA	36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,357.69	1,817.65
		For Class 52 Rating, Deduct	*-3,586.41*	
		For Class 54 Rating, Add	*4,923.60*	
		For Class 55 Rating, Add	*7,336.72*	
		For Class 56 Rating, Add	*9,717.23*	
40 05 19 00-3065	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,604.03	1,821.02
		For Class 52 Rating, Deduct	*-3,722.94*	
		For Class 54 Rating, Add	*5,109.85*	
		For Class 55 Rating, Add	*7,613.64*	
		For Class 56 Rating, Add	*10,083.58*	
40 05 19 00-3066	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,850.37	1,824.39
		For Class 52 Rating, Deduct	*-3,859.48*	
		For Class 54 Rating, Add	*5,296.09*	
		For Class 55 Rating, Add	*7,890.55*	
		For Class 56 Rating, Add	*10,449.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3067	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,096.73	1,827.76
		For Class 52 Rating, Deduct	*-3,996.01*	
		For Class 54 Rating, Add	*5,482.34*	
		For Class 55 Rating, Add	*8,167.47*	
		For Class 56 Rating, Add	*10,816.28*	
40 05 19 00-3068	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,343.07	1,831.13
		For Class 52 Rating, Deduct	*-4,132.55*	
		For Class 54 Rating, Add	*5,668.59*	
		For Class 55 Rating, Add	*8,444.39*	
		For Class 56 Rating, Add	*11,182.62*	
40 05 19 00-3069	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,589.41	1,834.50
		For Class 52 Rating, Deduct	*-4,269.08*	
		For Class 54 Rating, Add	*5,854.83*	
		For Class 55 Rating, Add	*8,721.31*	
		For Class 56 Rating, Add	*11,548.97*	
40 05 19 00-3070	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,835.75	1,837.87
		For Class 52 Rating, Deduct	*-4,405.62*	
		For Class 54 Rating, Add	*6,041.08*	
		For Class 55 Rating, Add	*8,998.22*	
		For Class 56 Rating, Add	*11,915.32*	
40 05 19 00-3071	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,082.09	1,841.25
		For Class 52 Rating, Deduct	*-4,542.16*	
		For Class 54 Rating, Add	*6,227.33*	
		For Class 55 Rating, Add	*9,275.14*	
		For Class 56 Rating, Add	*12,281.67*	
40 05 19 00-3072	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,328.44	1,844.62
		For Class 52 Rating, Deduct	*-4,678.69*	
		For Class 54 Rating, Add	*6,413.57*	
		For Class 55 Rating, Add	*9,552.06*	
		For Class 56 Rating, Add	*12,648.02*	
40 05 19 00-3073	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,574.79	1,848.00
		For Class 52 Rating, Deduct	*-4,815.23*	
		For Class 54 Rating, Add	*6,599.82*	
		For Class 55 Rating, Add	*9,828.98*	
		For Class 56 Rating, Add	*13,014.36*	
40 05 19 00-3074	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,821.13	1,851.37
		For Class 52 Rating, Deduct	*-4,951.76*	
		For Class 54 Rating, Add	*6,786.07*	
		For Class 55 Rating, Add	*10,105.90*	
		For Class 56 Rating, Add	*13,380.71*	
40 05 19 00-3075	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,067.47	1,854.74
		For Class 52 Rating, Deduct	*-5,088.30*	
		For Class 54 Rating, Add	*6,972.31*	
		For Class 55 Rating, Add	*10,382.81*	
		For Class 56 Rating, Add	*13,747.06*	
40 05 19 00-3076	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,313.81	1,858.11
		For Class 52 Rating, Deduct	*-5,224.83*	
		For Class 54 Rating, Add	*7,158.56*	
		For Class 55 Rating, Add	*10,659.73*	
		For Class 56 Rating, Add	*14,113.41*	
40 05 19 00-3077	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,560.16	1,861.48
		For Class 52 Rating, Deduct	*-5,361.37*	
		For Class 54 Rating, Add	*7,344.80*	
		For Class 55 Rating, Add	*10,936.65*	
		For Class 56 Rating, Add	*14,479.76*	
40 05 19 00-3078	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,806.49	1,864.85
		For Class 52 Rating, Deduct	*-5,497.91*	
		For Class 54 Rating, Add	*7,531.05*	
		For Class 55 Rating, Add	*11,213.57*	
		For Class 56 Rating, Add	*14,846.10*	
40 05 19 00-3079	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,052.83	1,868.22
		For Class 52 Rating, Deduct	*-5,634.44*	
		For Class 54 Rating, Add	*7,717.30*	
		For Class 55 Rating, Add	*11,490.48*	
		For Class 56 Rating, Add	*15,212.45*	
40 05 19 00-3080	EA	36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,299.19	1,871.59
		For Class 52 Rating, Deduct	*-5,770.98*	
		For Class 54 Rating, Add	*7,903.54*	
		For Class 55 Rating, Add	*11,767.40*	
		For Class 56 Rating, Add	*15,578.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3081	EA	36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,545.53	1,874.98
		For Class 52 Rating, Deduct	*-5,907.51*	
		For Class 54 Rating, Add	*8,089.79*	
		For Class 55 Rating, Add	*12,044.32*	
		For Class 56 Rating, Add	*15,945.15*	

40 05 19 00-3082 Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-2073)*

40 05 19 00-3083 4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3084	EA	4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	764.02	164.92
		For Class 52 Rating, Deduct	*-56.56*	
		For Class 54 Rating, Add	*80.12*	
		For Class 55 Rating, Add	*120.65*	
		For Class 56 Rating, Add	*160.67*	
40 05 19 00-3085	EA	4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	883.99	167.80
		For Class 52 Rating, Deduct	*-69.27*	
		For Class 54 Rating, Add	*97.51*	
		For Class 55 Rating, Add	*146.53*	
		For Class 56 Rating, Add	*194.93*	
40 05 19 00-3086	EA	4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,003.97	170.70
		For Class 52 Rating, Deduct	*-81.99*	
		For Class 54 Rating, Add	*114.91*	
		For Class 55 Rating, Add	*172.42*	
		For Class 56 Rating, Add	*229.19*	
40 05 19 00-3087	EA	4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,123.94	173.57
		For Class 52 Rating, Deduct	*-94.70*	
		For Class 54 Rating, Add	*132.30*	
		For Class 55 Rating, Add	*198.30*	
		For Class 56 Rating, Add	*263.45*	
40 05 19 00-3088	EA	4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,243.92	176.45
		For Class 52 Rating, Deduct	*-107.42*	
		For Class 54 Rating, Add	*149.69*	
		For Class 55 Rating, Add	*224.19*	
		For Class 56 Rating, Add	*297.71*	
40 05 19 00-3089	EA	4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,363.88	179.35
		For Class 52 Rating, Deduct	*-120.14*	
		For Class 54 Rating, Add	*167.08*	
		For Class 55 Rating, Add	*250.07*	
		For Class 56 Rating, Add	*331.97*	
40 05 19 00-3090	EA	4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,483.86	182.23
		For Class 52 Rating, Deduct	*-132.85*	
		For Class 54 Rating, Add	*184.48*	
		For Class 55 Rating, Add	*275.96*	
		For Class 56 Rating, Add	*366.23*	
40 05 19 00-3091	EA	4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,603.83	185.10
		For Class 52 Rating, Deduct	*-145.57*	
		For Class 54 Rating, Add	*201.87*	
		For Class 55 Rating, Add	*301.84*	
		For Class 56 Rating, Add	*400.49*	
40 05 19 00-3092	EA	4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,723.81	188.00
		For Class 52 Rating, Deduct	*-158.29*	
		For Class 54 Rating, Add	*219.26*	
		For Class 55 Rating, Add	*327.73*	
		For Class 56 Rating, Add	*434.75*	
40 05 19 00-3093	EA	4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,843.78	190.88
		For Class 52 Rating, Deduct	*-171.00*	
		For Class 54 Rating, Add	*236.66*	
		For Class 55 Rating, Add	*353.61*	
		For Class 56 Rating, Add	*469.01*	
40 05 19 00-3094	EA	4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,963.76	193.75
		For Class 52 Rating, Deduct	*-183.72*	
		For Class 54 Rating, Add	*254.05*	
		For Class 55 Rating, Add	*379.50*	
		For Class 56 Rating, Add	*503.27*	
40 05 19 00-3095	EA	4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,083.73	196.63
		For Class 52 Rating, Deduct	*-196.44*	
		For Class 54 Rating, Add	*271.44*	
		For Class 55 Rating, Add	*405.38*	
		For Class 56 Rating, Add	*537.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3096	EA	4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,203.70	199.53
		For Class 52 Rating, Deduct	*-209.15*	
		For Class 54 Rating, Add	*288.84*	
		For Class 55 Rating, Add	*431.27*	
		For Class 56 Rating, Add	*571.80*	
40 05 19 00-3097	EA	4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,323.68	202.41
		For Class 52 Rating, Deduct	*-221.87*	
		For Class 54 Rating, Add	*306.23*	
		For Class 55 Rating, Add	*457.15*	
		For Class 56 Rating, Add	*606.06*	
40 05 19 00-3098	EA	4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,443.64	205.28
		For Class 52 Rating, Deduct	*-234.59*	
		For Class 54 Rating, Add	*323.62*	
		For Class 55 Rating, Add	*483.04*	
		For Class 56 Rating, Add	*640.32*	
40 05 19 00-3099	EA	4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,563.62	208.18
		For Class 52 Rating, Deduct	*-247.30*	
		For Class 54 Rating, Add	*341.02*	
		For Class 55 Rating, Add	*508.92*	
		For Class 56 Rating, Add	*674.58*	
40 05 19 00-3100	EA	4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,683.59	211.06
		For Class 52 Rating, Deduct	*-260.02*	
		For Class 54 Rating, Add	*358.41*	
		For Class 55 Rating, Add	*534.81*	
		For Class 56 Rating, Add	*708.84*	
40 05 19 00-3101	EA	4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,803.57	213.93
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*375.80*	
		For Class 55 Rating, Add	*560.69*	
		For Class 56 Rating, Add	*743.10*	
40 05 19 00-3102	EA	4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,923.54	216.83
		For Class 52 Rating, Deduct	*-285.45*	
		For Class 54 Rating, Add	*393.20*	
		For Class 55 Rating, Add	*586.58*	
		For Class 56 Rating, Add	*777.36*	
40 05 19 00-3103	EA	4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,043.52	219.71
		For Class 52 Rating, Deduct	*-298.17*	
		For Class 54 Rating, Add	*410.59*	
		For Class 55 Rating, Add	*612.46*	
		For Class 56 Rating, Add	*811.62*	
40 05 19 00-3104	EA	4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,163.49	222.59
		For Class 52 Rating, Deduct	*-310.89*	
		For Class 54 Rating, Add	*427.98*	
		For Class 55 Rating, Add	*638.35*	
		For Class 56 Rating, Add	*845.88*	
40 05 19 00-3105	EA	4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,283.47	225.46
		For Class 52 Rating, Deduct	*-323.60*	
		For Class 54 Rating, Add	*445.38*	
		For Class 55 Rating, Add	*664.23*	
		For Class 56 Rating, Add	*880.14*	
40 05 19 00-3106	EA	4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,403.44	228.36
		For Class 52 Rating, Deduct	*-336.32*	
		For Class 54 Rating, Add	*462.77*	
		For Class 55 Rating, Add	*690.12*	
		For Class 56 Rating, Add	*914.40*	
40 05 19 00-3107	EA	4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,523.41	231.24
		For Class 52 Rating, Deduct	*-349.04*	
		For Class 54 Rating, Add	*480.16*	
		For Class 55 Rating, Add	*716.00*	
		For Class 56 Rating, Add	*948.67*	
40 05 19 00-3108	EA	4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,941.52	234.11
		For Class 52 Rating, Deduct	*-394.55*	
		For Class 54 Rating, Add	*542.28*	
		For Class 55 Rating, Add	*808.37*	
		For Class 56 Rating, Add	*1,070.88*	
40 05 19 00-3109	EA	4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,061.50	237.01
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*559.67*	
		For Class 55 Rating, Add	*834.26*	
		For Class 56 Rating, Add	*1,105.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3110	EA	4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,181.47	239.89
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*577.06*	
		For Class 55 Rating, Add	*860.14*	
		For Class 56 Rating, Add	*1,139.40*	
40 05 19 00-3111	EA	4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,301.45	242.77
		For Class 52 Rating, Deduct	*-432.70*	
		For Class 54 Rating, Add	*594.46*	
		For Class 55 Rating, Add	*886.03*	
		For Class 56 Rating, Add	*1,173.66*	
40 05 19 00-3112	EA	4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,421.42	245.66
		For Class 52 Rating, Deduct	*-445.41*	
		For Class 54 Rating, Add	*611.85*	
		For Class 55 Rating, Add	*911.91*	
		For Class 56 Rating, Add	*1,207.92*	
40 05 19 00-3113	EA	4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,541.40	248.54
		For Class 52 Rating, Deduct	*-458.13*	
		For Class 54 Rating, Add	*629.24*	
		For Class 55 Rating, Add	*937.79*	
		For Class 56 Rating, Add	*1,242.18*	
40 05 19 00-3114	EA	4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,661.37	251.42
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*646.64*	
		For Class 55 Rating, Add	*963.68*	
		For Class 56 Rating, Add	*1,276.44*	
40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,781.35	254.32
		For Class 52 Rating, Deduct	*-483.56*	
		For Class 54 Rating, Add	*664.03*	
		For Class 55 Rating, Add	*989.56*	
		For Class 56 Rating, Add	*1,310.70*	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,901.31	257.19
		For Class 52 Rating, Deduct	*-496.28*	
		For Class 54 Rating, Add	*681.42*	
		For Class 55 Rating, Add	*1,015.45*	
		For Class 56 Rating, Add	*1,344.96*	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,021.29	260.07
		For Class 52 Rating, Deduct	*-509.00*	
		For Class 54 Rating, Add	*698.82*	
		For Class 55 Rating, Add	*1,041.33*	
		For Class 56 Rating, Add	*1,379.22*	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,141.26	262.95
		For Class 52 Rating, Deduct	*-521.71*	
		For Class 54 Rating, Add	*716.21*	
		For Class 55 Rating, Add	*1,067.22*	
		For Class 56 Rating, Add	*1,413.48*	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,261.24	265.84
		For Class 52 Rating, Deduct	*-534.43*	
		For Class 54 Rating, Add	*733.60*	
		For Class 55 Rating, Add	*1,093.10*	
		For Class 56 Rating, Add	*1,447.75*	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,381.21	268.72
		For Class 52 Rating, Deduct	*-547.15*	
		For Class 54 Rating, Add	*750.99*	
		For Class 55 Rating, Add	*1,118.99*	
		For Class 56 Rating, Add	*1,482.01*	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,501.19	271.60
		For Class 52 Rating, Deduct	*-559.86*	
		For Class 54 Rating, Add	*768.39*	
		For Class 55 Rating, Add	*1,144.87*	
		For Class 56 Rating, Add	*1,516.27*	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,621.16	274.50
		For Class 52 Rating, Deduct	*-572.58*	
		For Class 54 Rating, Add	*785.78*	
		For Class 55 Rating, Add	*1,170.76*	
		For Class 56 Rating, Add	*1,550.53*	

40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	938.20	207.60
		For Class 52 Rating, Deduct	*-68.60*	
		For Class 54 Rating, Add	*97.32*	
		For Class 55 Rating, Add	*146.63*	
		For Class 56 Rating, Add	*195.30*	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,076.43	210.48
		For Class 52 Rating, Deduct	*-83.33*	
		For Class 54 Rating, Add	*117.45*	
		For Class 55 Rating, Add	*176.58*	
		For Class 56 Rating, Add	*234.95*	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,214.66	213.36
		For Class 52 Rating, Deduct	*-98.05*	
		For Class 54 Rating, Add	*137.59*	
		For Class 55 Rating, Add	*206.54*	
		For Class 56 Rating, Add	*274.60*	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,352.87	216.25
		For Class 52 Rating, Deduct	*-112.78*	
		For Class 54 Rating, Add	*157.72*	
		For Class 55 Rating, Add	*236.49*	
		For Class 56 Rating, Add	*314.24*	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,491.10	219.13
		For Class 52 Rating, Deduct	*-127.50*	
		For Class 54 Rating, Add	*177.85*	
		For Class 55 Rating, Add	*266.45*	
		For Class 56 Rating, Add	*353.88*	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,629.33	222.00
		For Class 52 Rating, Deduct	*-142.22*	
		For Class 54 Rating, Add	*197.98*	
		For Class 55 Rating, Add	*296.40*	
		For Class 56 Rating, Add	*393.53*	
40 05 19 00-3130	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,767.56	224.90
		For Class 52 Rating, Deduct	*-156.95*	
		For Class 54 Rating, Add	*218.11*	
		For Class 55 Rating, Add	*326.36*	
		For Class 56 Rating, Add	*433.18*	
40 05 19 00-3131	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,905.79	227.78
		For Class 52 Rating, Deduct	*-171.67*	
		For Class 54 Rating, Add	*238.24*	
		For Class 55 Rating, Add	*356.31*	
		For Class 56 Rating, Add	*472.82*	
40 05 19 00-3132	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,044.02	230.66
		For Class 52 Rating, Deduct	*-186.40*	
		For Class 54 Rating, Add	*258.37*	
		For Class 55 Rating, Add	*386.27*	
		For Class 56 Rating, Add	*512.47*	
40 05 19 00-3133	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,182.25	233.54
		For Class 52 Rating, Deduct	*-201.12*	
		For Class 54 Rating, Add	*278.50*	
		For Class 55 Rating, Add	*416.22*	
		For Class 56 Rating, Add	*552.11*	
40 05 19 00-3134	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,320.47	236.43
		For Class 52 Rating, Deduct	*-215.85*	
		For Class 54 Rating, Add	*298.63*	
		For Class 55 Rating, Add	*446.18*	
		For Class 56 Rating, Add	*591.76*	
40 05 19 00-3135	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,458.70	239.31
		For Class 52 Rating, Deduct	*-230.57*	
		For Class 54 Rating, Add	*318.77*	
		For Class 55 Rating, Add	*476.13*	
		For Class 56 Rating, Add	*631.40*	
40 05 19 00-3136	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,596.92	242.19
		For Class 52 Rating, Deduct	*-245.30*	
		For Class 54 Rating, Add	*338.90*	
		For Class 55 Rating, Add	*506.09*	
		For Class 56 Rating, Add	*671.05*	
40 05 19 00-3137	EA	6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,735.15	245.08
		For Class 52 Rating, Deduct	*-260.02*	
		For Class 54 Rating, Add	*359.03*	
		For Class 55 Rating, Add	*536.04*	
		For Class 56 Rating, Add	*710.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3138	EA	6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,873.38	247.96
		For Class 52 Rating, Deduct	*-274.74*	
		For Class 54 Rating, Add	*379.16*	
		For Class 55 Rating, Add	*566.00*	
		For Class 56 Rating, Add	*750.34*	
40 05 19 00-3139	EA	6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,011.61	250.85
		For Class 52 Rating, Deduct	*-289.47*	
		For Class 54 Rating, Add	*399.29*	
		For Class 55 Rating, Add	*595.96*	
		For Class 56 Rating, Add	*789.99*	
40 05 19 00-3140	EA	6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,149.84	253.73
		For Class 52 Rating, Deduct	*-304.19*	
		For Class 54 Rating, Add	*419.42*	
		For Class 55 Rating, Add	*625.91*	
		For Class 56 Rating, Add	*829.63*	
40 05 19 00-3141	EA	6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,288.06	256.61
		For Class 52 Rating, Deduct	*-318.92*	
		For Class 54 Rating, Add	*439.55*	
		For Class 55 Rating, Add	*655.86*	
		For Class 56 Rating, Add	*869.28*	
40 05 19 00-3142	EA	6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,426.29	259.49
		For Class 52 Rating, Deduct	*-333.64*	
		For Class 54 Rating, Add	*459.68*	
		For Class 55 Rating, Add	*685.82*	
		For Class 56 Rating, Add	*908.92*	
40 05 19 00-3143	EA	6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,564.52	262.39
		For Class 52 Rating, Deduct	*-348.37*	
		For Class 54 Rating, Add	*479.82*	
		For Class 55 Rating, Add	*715.78*	
		For Class 56 Rating, Add	*948.57*	
40 05 19 00-3144	EA	6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,702.75	265.26
		For Class 52 Rating, Deduct	*-363.09*	
		For Class 54 Rating, Add	*499.95*	
		For Class 55 Rating, Add	*745.73*	
		For Class 56 Rating, Add	*988.21*	
40 05 19 00-3145	EA	6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,840.97	268.14
		For Class 52 Rating, Deduct	*-377.82*	
		For Class 54 Rating, Add	*520.08*	
		For Class 55 Rating, Add	*775.69*	
		For Class 56 Rating, Add	*1,027.86*	
40 05 19 00-3146	EA	6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,979.19	271.03
		For Class 52 Rating, Deduct	*-392.54*	
		For Class 54 Rating, Add	*540.21*	
		For Class 55 Rating, Add	*805.64*	
		For Class 56 Rating, Add	*1,067.51*	
40 05 19 00-3147	EA	6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,117.42	273.91
		For Class 52 Rating, Deduct	*-407.27*	
		For Class 54 Rating, Add	*560.34*	
		For Class 55 Rating, Add	*835.60*	
		For Class 56 Rating, Add	*1,107.15*	
40 05 19 00-3148	EA	6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,255.64	276.79
		For Class 52 Rating, Deduct	*-421.99*	
		For Class 54 Rating, Add	*580.47*	
		For Class 55 Rating, Add	*865.55*	
		For Class 56 Rating, Add	*1,146.79*	
40 05 19 00-3149	EA	6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,393.87	279.68
		For Class 52 Rating, Deduct	*-436.71*	
		For Class 54 Rating, Add	*600.60*	
		For Class 55 Rating, Add	*895.51*	
		For Class 56 Rating, Add	*1,186.44*	
40 05 19 00-3150	EA	6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,532.10	282.57
		For Class 52 Rating, Deduct	*-451.44*	
		For Class 54 Rating, Add	*620.73*	
		For Class 55 Rating, Add	*925.46*	
		For Class 56 Rating, Add	*1,226.09*	
40 05 19 00-3151	EA	6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,670.33	285.44
		For Class 52 Rating, Deduct	*-466.16*	
		For Class 54 Rating, Add	*640.87*	
		For Class 55 Rating, Add	*955.42*	
		For Class 56 Rating, Add	*1,265.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3152	EA	6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,808.56	288.33
		For Class 52 Rating, Deduct	*-480.89*	
		For Class 54 Rating, Add	*661.00*	
		For Class 55 Rating, Add	*985.37*	
		For Class 56 Rating, Add	*1,305.38*	
40 05 19 00-3153	EA	6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,946.79	291.22
		For Class 52 Rating, Deduct	*-495.61*	
		For Class 54 Rating, Add	*681.13*	
		For Class 55 Rating, Add	*1,015.33*	
		For Class 56 Rating, Add	*1,345.02*	
40 05 19 00-3154	EA	6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,085.01	294.09
		For Class 52 Rating, Deduct	*-510.34*	
		For Class 54 Rating, Add	*701.26*	
		For Class 55 Rating, Add	*1,045.28*	
		For Class 56 Rating, Add	*1,384.67*	
40 05 19 00-3155	EA	6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,223.23	296.97
		For Class 52 Rating, Deduct	*-525.06*	
		For Class 54 Rating, Add	*721.39*	
		For Class 55 Rating, Add	*1,075.24*	
		For Class 56 Rating, Add	*1,424.31*	
40 05 19 00-3156	EA	6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,361.46	299.86
		For Class 52 Rating, Deduct	*-539.78*	
		For Class 54 Rating, Add	*741.52*	
		For Class 55 Rating, Add	*1,105.19*	
		For Class 56 Rating, Add	*1,463.96*	
40 05 19 00-3157	EA	6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,499.69	302.75
		For Class 52 Rating, Deduct	*-554.51*	
		For Class 54 Rating, Add	*761.65*	
		For Class 55 Rating, Add	*1,135.15*	
		For Class 56 Rating, Add	*1,503.61*	
40 05 19 00-3158	EA	6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,637.92	305.62
		For Class 52 Rating, Deduct	*-569.23*	
		For Class 54 Rating, Add	*781.78*	
		For Class 55 Rating, Add	*1,165.11*	
		For Class 56 Rating, Add	*1,543.25*	
40 05 19 00-3159	EA	6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,776.15	308.51
		For Class 52 Rating, Deduct	*-583.96*	
		For Class 54 Rating, Add	*801.92*	
		For Class 55 Rating, Add	*1,195.06*	
		For Class 56 Rating, Add	*1,582.90*	
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,914.38	311.40
		For Class 52 Rating, Deduct	*-598.68*	
		For Class 54 Rating, Add	*822.05*	
		For Class 55 Rating, Add	*1,225.02*	
		For Class 56 Rating, Add	*1,622.54*	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,052.61	314.27
		For Class 52 Rating, Deduct	*-613.41*	
		For Class 54 Rating, Add	*842.18*	
		For Class 55 Rating, Add	*1,254.97*	
		For Class 56 Rating, Add	*1,662.19*	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,190.83	317.16
		For Class 52 Rating, Deduct	*-628.13*	
		For Class 54 Rating, Add	*862.31*	
		For Class 55 Rating, Add	*1,284.93*	
		For Class 56 Rating, Add	*1,701.83*	

40 05 19 00-3163 8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,281.13	265.26
		For Class 52 Rating, Deduct	*-96.71*	
		For Class 54 Rating, Add	*136.70*	
		For Class 55 Rating, Add	*205.71*	
		For Class 56 Rating, Add	*273.84*	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,458.90	268.14
		For Class 52 Rating, Deduct	*-115.79*	
		For Class 54 Rating, Add	*162.77*	
		For Class 55 Rating, Add	*244.48*	
		For Class 56 Rating, Add	*325.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,636.66	271.03
		For Class 52 Rating, Deduct	*-134.86*	
		For Class 54 Rating, Add	*188.83*	
		For Class 55 Rating, Add	*283.26*	
		For Class 56 Rating, Add	*376.46*	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,814.44	273.91
		For Class 52 Rating, Deduct	*-153.94*	
		For Class 54 Rating, Add	*214.89*	
		For Class 55 Rating, Add	*322.03*	
		For Class 56 Rating, Add	*427.77*	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,992.22	276.79
		For Class 52 Rating, Deduct	*-173.01*	
		For Class 54 Rating, Add	*240.96*	
		For Class 55 Rating, Add	*360.81*	
		For Class 56 Rating, Add	*479.09*	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,170.00	279.68
		For Class 52 Rating, Deduct	*-192.09*	
		For Class 54 Rating, Add	*267.02*	
		For Class 55 Rating, Add	*399.58*	
		For Class 56 Rating, Add	*530.40*	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,347.77	282.57
		For Class 52 Rating, Deduct	*-211.16*	
		For Class 54 Rating, Add	*293.08*	
		For Class 55 Rating, Add	*438.36*	
		For Class 56 Rating, Add	*581.71*	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,525.55	285.44
		For Class 52 Rating, Deduct	*-230.24*	
		For Class 54 Rating, Add	*319.15*	
		For Class 55 Rating, Add	*477.13*	
		For Class 56 Rating, Add	*633.02*	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,703.33	288.33
		For Class 52 Rating, Deduct	*-249.31*	
		For Class 54 Rating, Add	*345.21*	
		For Class 55 Rating, Add	*515.91*	
		For Class 56 Rating, Add	*684.34*	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,881.11	291.22
		For Class 52 Rating, Deduct	*-268.39*	
		For Class 54 Rating, Add	*371.28*	
		For Class 55 Rating, Add	*554.68*	
		For Class 56 Rating, Add	*735.65*	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,058.87	294.09
		For Class 52 Rating, Deduct	*-287.46*	
		For Class 54 Rating, Add	*397.34*	
		For Class 55 Rating, Add	*593.46*	
		For Class 56 Rating, Add	*786.96*	
40 05 19 00-3175	EA	8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,236.65	296.97
		For Class 52 Rating, Deduct	*-306.54*	
		For Class 54 Rating, Add	*423.40*	
		For Class 55 Rating, Add	*632.23*	
		For Class 56 Rating, Add	*838.27*	
40 05 19 00-3176	EA	8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,414.43	299.86
		For Class 52 Rating, Deduct	*-325.61*	
		For Class 54 Rating, Add	*449.47*	
		For Class 55 Rating, Add	*671.01*	
		For Class 56 Rating, Add	*889.59*	
40 05 19 00-3177	EA	8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,592.21	302.75
		For Class 52 Rating, Deduct	*-344.69*	
		For Class 54 Rating, Add	*475.53*	
		For Class 55 Rating, Add	*709.78*	
		For Class 56 Rating, Add	*940.90*	
40 05 19 00-3178	EA	8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,769.98	305.62
		For Class 52 Rating, Deduct	*-363.76*	
		For Class 54 Rating, Add	*501.59*	
		For Class 55 Rating, Add	*748.55*	
		For Class 56 Rating, Add	*992.21*	
40 05 19 00-3179	EA	8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,947.76	308.51
		For Class 52 Rating, Deduct	*-382.84*	
		For Class 54 Rating, Add	*527.66*	
		For Class 55 Rating, Add	*787.33*	
		For Class 56 Rating, Add	*1,043.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3180	EA	8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,125.54	311.40
		For Class 52 Rating, Deduct	*-401.91*	
		For Class 54 Rating, Add	*553.72*	
		For Class 55 Rating, Add	*826.11*	
		For Class 56 Rating, Add	*1,094.84*	
40 05 19 00-3181	EA	8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,303.32	314.27
		For Class 52 Rating, Deduct	*-420.99*	
		For Class 54 Rating, Add	*579.79*	
		For Class 55 Rating, Add	*864.88*	
		For Class 56 Rating, Add	*1,146.15*	
40 05 19 00-3182	EA	8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,481.10	317.16
		For Class 52 Rating, Deduct	*-440.06*	
		For Class 54 Rating, Add	*605.85*	
		For Class 55 Rating, Add	*903.66*	
		For Class 56 Rating, Add	*1,197.46*	
40 05 19 00-3183	EA	8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,658.86	320.05
		For Class 52 Rating, Deduct	*-459.13*	
		For Class 54 Rating, Add	*631.91*	
		For Class 55 Rating, Add	*942.43*	
		For Class 56 Rating, Add	*1,248.77*	
40 05 19 00-3184	EA	8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,836.64	322.93
		For Class 52 Rating, Deduct	*-478.21*	
		For Class 54 Rating, Add	*657.98*	
		For Class 55 Rating, Add	*981.20*	
		For Class 56 Rating, Add	*1,300.09*	
40 05 19 00-3185	EA	8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,014.42	325.80
		For Class 52 Rating, Deduct	*-497.28*	
		For Class 54 Rating, Add	*684.04*	
		For Class 55 Rating, Add	*1,019.98*	
		For Class 56 Rating, Add	*1,351.40*	
40 05 19 00-3186	EA	8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,192.20	328.69
		For Class 52 Rating, Deduct	*-516.36*	
		For Class 54 Rating, Add	*710.10*	
		For Class 55 Rating, Add	*1,058.75*	
		For Class 56 Rating, Add	*1,402.71*	
40 05 19 00-3187	EA	8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,369.97	331.58
		For Class 52 Rating, Deduct	*-535.43*	
		For Class 54 Rating, Add	*736.17*	
		For Class 55 Rating, Add	*1,097.53*	
		For Class 56 Rating, Add	*1,454.02*	
40 05 19 00-3188	EA	8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,547.75	334.46
		For Class 52 Rating, Deduct	*-554.51*	
		For Class 54 Rating, Add	*762.23*	
		For Class 55 Rating, Add	*1,136.30*	
		For Class 56 Rating, Add	*1,505.34*	
40 05 19 00-3189	EA	8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,725.53	337.34
		For Class 52 Rating, Deduct	*-573.58*	
		For Class 54 Rating, Add	*788.29*	
		For Class 55 Rating, Add	*1,175.08*	
		For Class 56 Rating, Add	*1,556.65*	
40 05 19 00-3190	EA	8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,903.31	340.23
		For Class 52 Rating, Deduct	*-592.66*	
		For Class 54 Rating, Add	*814.36*	
		For Class 55 Rating, Add	*1,213.85*	
		For Class 56 Rating, Add	*1,607.96*	
40 05 19 00-3191	EA	8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,081.08	343.11
		For Class 52 Rating, Deduct	*-611.73*	
		For Class 54 Rating, Add	*840.42*	
		For Class 55 Rating, Add	*1,252.63*	
		For Class 56 Rating, Add	*1,659.27*	
40 05 19 00-3192	EA	8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,258.85	345.99
		For Class 52 Rating, Deduct	*-630.81*	
		For Class 54 Rating, Add	*866.48*	
		For Class 55 Rating, Add	*1,291.40*	
		For Class 56 Rating, Add	*1,710.59*	
40 05 19 00-3193	EA	8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,436.63	348.88
		For Class 52 Rating, Deduct	*-649.88*	
		For Class 54 Rating, Add	*892.55*	
		For Class 55 Rating, Add	*1,330.18*	
		For Class 56 Rating, Add	*1,761.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3194	EA	8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,614.41	351.76
		For Class 52 Rating, Deduct	*-668.96*	
		For Class 54 Rating, Add	*918.61*	
		For Class 55 Rating, Add	*1,368.95*	
		For Class 56 Rating, Add	*1,813.21*	
40 05 19 00-3195	EA	8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,792.19	354.65
		For Class 52 Rating, Deduct	*-688.03*	
		For Class 54 Rating, Add	*944.68*	
		For Class 55 Rating, Add	*1,407.73*	
		For Class 56 Rating, Add	*1,864.52*	
40 05 19 00-3196	EA	8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,969.96	357.52
		For Class 52 Rating, Deduct	*-707.11*	
		For Class 54 Rating, Add	*970.74*	
		For Class 55 Rating, Add	*1,446.50*	
		For Class 56 Rating, Add	*1,915.84*	
40 05 19 00-3197	EA	8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,147.74	360.41
		For Class 52 Rating, Deduct	*-726.18*	
		For Class 54 Rating, Add	*996.80*	
		For Class 55 Rating, Add	*1,485.28*	
		For Class 56 Rating, Add	*1,967.15*	
40 05 19 00-3198	EA	8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,325.52	363.29
		For Class 52 Rating, Deduct	*-745.26*	
		For Class 54 Rating, Add	*1,022.87*	
		For Class 55 Rating, Add	*1,524.05*	
		For Class 56 Rating, Add	*2,018.46*	
40 05 19 00-3199	EA	8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,503.30	366.17
		For Class 52 Rating, Deduct	*-764.33*	
		For Class 54 Rating, Add	*1,048.93*	
		For Class 55 Rating, Add	*1,562.83*	
		For Class 56 Rating, Add	*2,069.78*	
40 05 19 00-3200	EA	8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,681.06	369.06
		For Class 52 Rating, Deduct	*-783.41*	
		For Class 54 Rating, Add	*1,074.99*	
		For Class 55 Rating, Add	*1,601.60*	
		For Class 56 Rating, Add	*2,121.09*	
40 05 19 00-3201	EA	8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,858.84	371.94
		For Class 52 Rating, Deduct	*-802.48*	
		For Class 54 Rating, Add	*1,101.06*	
		For Class 55 Rating, Add	*1,640.37*	
		For Class 56 Rating, Add	*2,172.40*	
40 05 19 00-3202	EA	8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,036.62	374.83
		For Class 52 Rating, Deduct	*-821.56*	
		For Class 54 Rating, Add	*1,127.12*	
		For Class 55 Rating, Add	*1,679.15*	
		For Class 56 Rating, Add	*2,223.71*	

40 05 19 00-3203 10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3204	EA	10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,617.95	322.93
		For Class 52 Rating, Deduct	*-124.15*	
		For Class 54 Rating, Add	*175.17*	
		For Class 55 Rating, Add	*263.44*	
		For Class 56 Rating, Add	*350.57*	
40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,847.45	325.80
		For Class 52 Rating, Deduct	*-148.92*	
		For Class 54 Rating, Add	*208.99*	
		For Class 55 Rating, Add	*313.75*	
		For Class 56 Rating, Add	*417.14*	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,076.94	328.69
		For Class 52 Rating, Deduct	*-173.68*	
		For Class 54 Rating, Add	*242.81*	
		For Class 55 Rating, Add	*364.05*	
		For Class 56 Rating, Add	*483.71*	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,306.44	331.58
		For Class 52 Rating, Deduct	*-198.45*	
		For Class 54 Rating, Add	*276.64*	
		For Class 55 Rating, Add	*414.36*	
		For Class 56 Rating, Add	*550.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,535.93	334.46
		For Class 52 Rating, Deduct	*-223.21*	
		For Class 54 Rating, Add	*310.46*	
		For Class 55 Rating, Add	*464.67*	
		For Class 56 Rating, Add	*616.85*	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,765.43	337.34
		For Class 52 Rating, Deduct	*-247.97*	
		For Class 54 Rating, Add	*344.28*	
		For Class 55 Rating, Add	*514.98*	
		For Class 56 Rating, Add	*683.42*	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,994.93	340.23
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*378.10*	
		For Class 55 Rating, Add	*565.28*	
		For Class 56 Rating, Add	*749.99*	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,224.42	343.11
		For Class 52 Rating, Deduct	*-297.50*	
		For Class 54 Rating, Add	*411.92*	
		For Class 55 Rating, Add	*615.59*	
		For Class 56 Rating, Add	*816.56*	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,453.91	345.99
		For Class 52 Rating, Deduct	*-322.26*	
		For Class 54 Rating, Add	*445.74*	
		For Class 55 Rating, Add	*665.90*	
		For Class 56 Rating, Add	*883.13*	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,683.40	348.88
		For Class 52 Rating, Deduct	*-347.03*	
		For Class 54 Rating, Add	*479.56*	
		For Class 55 Rating, Add	*716.21*	
		For Class 56 Rating, Add	*949.70*	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,912.90	351.76
		For Class 52 Rating, Deduct	*-371.79*	
		For Class 54 Rating, Add	*513.39*	
		For Class 55 Rating, Add	*766.52*	
		For Class 56 Rating, Add	*1,016.27*	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,142.39	354.65
		For Class 52 Rating, Deduct	*-396.56*	
		For Class 54 Rating, Add	*547.21*	
		For Class 55 Rating, Add	*816.82*	
		For Class 56 Rating, Add	*1,082.83*	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,371.89	357.52
		For Class 52 Rating, Deduct	*-421.32*	
		For Class 54 Rating, Add	*581.03*	
		For Class 55 Rating, Add	*867.13*	
		For Class 56 Rating, Add	*1,149.40*	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,601.39	360.41
		For Class 52 Rating, Deduct	*-446.08*	
		For Class 54 Rating, Add	*614.85*	
		For Class 55 Rating, Add	*917.44*	
		For Class 56 Rating, Add	*1,215.98*	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,830.88	363.29
		For Class 52 Rating, Deduct	*-470.85*	
		For Class 54 Rating, Add	*648.67*	
		For Class 55 Rating, Add	*967.75*	
		For Class 56 Rating, Add	*1,282.54*	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,060.38	366.17
		For Class 52 Rating, Deduct	*-495.61*	
		For Class 54 Rating, Add	*682.49*	
		For Class 55 Rating, Add	*1,018.06*	
		For Class 56 Rating, Add	*1,349.11*	
40 05 19 00-3220	EA	10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,289.86	369.06
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*716.31*	
		For Class 55 Rating, Add	*1,068.36*	
		For Class 56 Rating, Add	*1,415.68*	
40 05 19 00-3221	EA	10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,519.36	371.94
		For Class 52 Rating, Deduct	*-545.14*	
		For Class 54 Rating, Add	*750.13*	
		For Class 55 Rating, Add	*1,118.67*	
		For Class 56 Rating, Add	*1,482.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3222	EA	10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,748.85	374.83
		For Class 52 Rating, Deduct	*-569.90*	
		For Class 54 Rating, Add	*783.95*	
		For Class 55 Rating, Add	*1,168.98*	
		For Class 56 Rating, Add	*1,548.82*	
40 05 19 00-3223	EA	10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,978.34	377.71
		For Class 52 Rating, Deduct	*-594.67*	
		For Class 54 Rating, Add	*817.78*	
		For Class 55 Rating, Add	*1,219.29*	
		For Class 56 Rating, Add	*1,615.39*	
40 05 19 00-3224	EA	10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,207.84	380.59
		For Class 52 Rating, Deduct	*-619.43*	
		For Class 54 Rating, Add	*851.60*	
		For Class 55 Rating, Add	*1,269.59*	
		For Class 56 Rating, Add	*1,681.96*	
40 05 19 00-3225	EA	10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,437.33	383.48
		For Class 52 Rating, Deduct	*-644.19*	
		For Class 54 Rating, Add	*885.42*	
		For Class 55 Rating, Add	*1,319.90*	
		For Class 56 Rating, Add	*1,748.53*	
40 05 19 00-3226	EA	10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,666.83	386.35
		For Class 52 Rating, Deduct	*-668.96*	
		For Class 54 Rating, Add	*919.24*	
		For Class 55 Rating, Add	*1,370.21*	
		For Class 56 Rating, Add	*1,815.10*	
40 05 19 00-3227	EA	10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,896.32	389.24
		For Class 52 Rating, Deduct	*-693.72*	
		For Class 54 Rating, Add	*953.06*	
		For Class 55 Rating, Add	*1,420.52*	
		For Class 56 Rating, Add	*1,881.67*	
40 05 19 00-3228	EA	10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,125.82	392.13
		For Class 52 Rating, Deduct	*-718.49*	
		For Class 54 Rating, Add	*986.88*	
		For Class 55 Rating, Add	*1,470.83*	
		For Class 56 Rating, Add	*1,948.24*	
40 05 19 00-3229	EA	10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,355.31	395.01
		For Class 52 Rating, Deduct	*-743.25*	
		For Class 54 Rating, Add	*1,020.70*	
		For Class 55 Rating, Add	*1,521.13*	
		For Class 56 Rating, Add	*2,014.81*	
40 05 19 00-3230	EA	10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,584.80	397.89
		For Class 52 Rating, Deduct	*-768.01*	
		For Class 54 Rating, Add	*1,054.53*	
		For Class 55 Rating, Add	*1,571.44*	
		For Class 56 Rating, Add	*2,081.38*	
40 05 19 00-3231	EA	10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,814.30	400.77
		For Class 52 Rating, Deduct	*-792.78*	
		For Class 54 Rating, Add	*1,088.35*	
		For Class 55 Rating, Add	*1,621.75*	
		For Class 56 Rating, Add	*2,147.95*	
40 05 19 00-3232	EA	10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,043.79	403.66
		For Class 52 Rating, Deduct	*-817.54*	
		For Class 54 Rating, Add	*1,122.17*	
		For Class 55 Rating, Add	*1,672.06*	
		For Class 56 Rating, Add	*2,214.51*	
40 05 19 00-3233	EA	10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,273.29	406.55
		For Class 52 Rating, Deduct	*-842.31*	
		For Class 54 Rating, Add	*1,155.99*	
		For Class 55 Rating, Add	*1,722.37*	
		For Class 56 Rating, Add	*2,281.08*	
40 05 19 00-3234	EA	10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,502.78	409.42
		For Class 52 Rating, Deduct	*-867.07*	
		For Class 54 Rating, Add	*1,189.81*	
		For Class 55 Rating, Add	*1,772.67*	
		For Class 56 Rating, Add	*2,347.65*	
40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,732.28	412.31
		For Class 52 Rating, Deduct	*-891.83*	
		For Class 54 Rating, Add	*1,223.63*	
		For Class 55 Rating, Add	*1,822.98*	
		For Class 56 Rating, Add	*2,414.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,961.78	415.20
		For Class 52 Rating, Deduct	*-916.60*	
		For Class 54 Rating, Add	*1,257.45*	
		For Class 55 Rating, Add	*1,873.29*	
		For Class 56 Rating, Add	*2,480.79*	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,191.27	418.07
		For Class 52 Rating, Deduct	*-941.36*	
		For Class 54 Rating, Add	*1,291.27*	
		For Class 55 Rating, Add	*1,923.60*	
		For Class 56 Rating, Add	*2,547.36*	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,420.76	420.96
		For Class 52 Rating, Deduct	*-966.12*	
		For Class 54 Rating, Add	*1,325.10*	
		For Class 55 Rating, Add	*1,973.91*	
		For Class 56 Rating, Add	*2,613.93*	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,650.25	423.84
		For Class 52 Rating, Deduct	*-990.89*	
		For Class 54 Rating, Add	*1,358.92*	
		For Class 55 Rating, Add	*2,024.21*	
		For Class 56 Rating, Add	*2,680.50*	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,879.75	426.73
		For Class 52 Rating, Deduct	*-1,015.65*	
		For Class 54 Rating, Add	*1,392.74*	
		For Class 55 Rating, Add	*2,074.52*	
		For Class 56 Rating, Add	*2,747.07*	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,109.24	429.60
		For Class 52 Rating, Deduct	*-1,040.42*	
		For Class 54 Rating, Add	*1,426.56*	
		For Class 55 Rating, Add	*2,124.83*	
		For Class 56 Rating, Add	*2,813.64*	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,338.74	432.49
		For Class 52 Rating, Deduct	*-1,065.18*	
		For Class 54 Rating, Add	*1,460.38*	
		For Class 55 Rating, Add	*2,175.14*	
		For Class 56 Rating, Add	*2,880.21*	

40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,102.30	403.66
		For Class 52 Rating, Deduct	*-163.98*	
		For Class 54 Rating, Add	*230.94*	
		For Class 55 Rating, Add	*347.10*	
		For Class 56 Rating, Add	*461.77*	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,386.55	406.55
		For Class 52 Rating, Deduct	*-194.76*	
		For Class 54 Rating, Add	*272.98*	
		For Class 55 Rating, Add	*409.62*	
		For Class 56 Rating, Add	*544.50*	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,670.81	409.42
		For Class 52 Rating, Deduct	*-225.55*	
		For Class 54 Rating, Add	*315.01*	
		For Class 55 Rating, Add	*472.14*	
		For Class 56 Rating, Add	*627.22*	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,955.07	412.31
		For Class 52 Rating, Deduct	*-256.34*	
		For Class 54 Rating, Add	*357.05*	
		For Class 55 Rating, Add	*534.66*	
		For Class 56 Rating, Add	*709.95*	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,239.32	415.20
		For Class 52 Rating, Deduct	*-287.13*	
		For Class 54 Rating, Add	*399.08*	
		For Class 55 Rating, Add	*597.18*	
		For Class 56 Rating, Add	*792.67*	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,523.58	418.07
		For Class 52 Rating, Deduct	*-317.91*	
		For Class 54 Rating, Add	*441.12*	
		For Class 55 Rating, Add	*659.70*	
		For Class 56 Rating, Add	*875.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,807.82	420.96
		For Class 52 Rating, Deduct	*-348.70*	
		For Class 54 Rating, Add	*483.16*	
		For Class 55 Rating, Add	*722.22*	
		For Class 56 Rating, Add	*958.11*	
40 05 19 00-3251	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,092.08	423.84
		For Class 52 Rating, Deduct	*-379.49*	
		For Class 54 Rating, Add	*525.19*	
		For Class 55 Rating, Add	*784.74*	
		For Class 56 Rating, Add	*1,040.84*	
40 05 19 00-3252	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,376.34	426.73
		For Class 52 Rating, Deduct	*-410.28*	
		For Class 54 Rating, Add	*567.23*	
		For Class 55 Rating, Add	*847.26*	
		For Class 56 Rating, Add	*1,123.56*	
40 05 19 00-3253	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,660.59	429.60
		For Class 52 Rating, Deduct	*-441.06*	
		For Class 54 Rating, Add	*609.26*	
		For Class 55 Rating, Add	*909.78*	
		For Class 56 Rating, Add	*1,206.29*	
40 05 19 00-3254	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,944.85	432.49
		For Class 52 Rating, Deduct	*-471.85*	
		For Class 54 Rating, Add	*651.30*	
		For Class 55 Rating, Add	*972.30*	
		For Class 56 Rating, Add	*1,289.01*	
40 05 19 00-3255	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,229.10	435.38
		For Class 52 Rating, Deduct	*-502.64*	
		For Class 54 Rating, Add	*693.33*	
		For Class 55 Rating, Add	*1,034.82*	
		For Class 56 Rating, Add	*1,371.73*	
40 05 19 00-3256	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,513.36	438.25
		For Class 52 Rating, Deduct	*-533.43*	
		For Class 54 Rating, Add	*735.37*	
		For Class 55 Rating, Add	*1,097.34*	
		For Class 56 Rating, Add	*1,454.46*	
40 05 19 00-3257	EA	12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,797.62	441.14
		For Class 52 Rating, Deduct	*-564.21*	
		For Class 54 Rating, Add	*777.40*	
		For Class 55 Rating, Add	*1,159.86*	
		For Class 56 Rating, Add	*1,537.18*	
40 05 19 00-3258	EA	12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,081.87	444.03
		For Class 52 Rating, Deduct	*-595.00*	
		For Class 54 Rating, Add	*819.44*	
		For Class 55 Rating, Add	*1,222.38*	
		For Class 56 Rating, Add	*1,619.90*	
40 05 19 00-3259	EA	12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,366.12	446.91
		For Class 52 Rating, Deduct	*-625.79*	
		For Class 54 Rating, Add	*861.47*	
		For Class 55 Rating, Add	*1,284.90*	
		For Class 56 Rating, Add	*1,702.63*	
40 05 19 00-3260	EA	12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,650.37	449.79
		For Class 52 Rating, Deduct	*-656.58*	
		For Class 54 Rating, Add	*903.51*	
		For Class 55 Rating, Add	*1,347.41*	
		For Class 56 Rating, Add	*1,785.35*	
40 05 19 00-3261	EA	12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,934.63	452.67
		For Class 52 Rating, Deduct	*-687.36*	
		For Class 54 Rating, Add	*945.54*	
		For Class 55 Rating, Add	*1,409.93*	
		For Class 56 Rating, Add	*1,868.08*	
40 05 19 00-3262	EA	12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,218.89	455.56
		For Class 52 Rating, Deduct	*-718.15*	
		For Class 54 Rating, Add	*987.58*	
		For Class 55 Rating, Add	*1,472.45*	
		For Class 56 Rating, Add	*1,950.80*	
40 05 19 00-3263	EA	12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,503.14	458.43
		For Class 52 Rating, Deduct	*-748.94*	
		For Class 54 Rating, Add	*1,029.61*	
		For Class 55 Rating, Add	*1,534.97*	
		For Class 56 Rating, Add	*2,033.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3264	EA	12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,787.40	461.32
		For Class 52 Rating, Deduct	*-779.73*	
		For Class 54 Rating, Add	*1,071.65*	
		For Class 55 Rating, Add	*1,597.49*	
		For Class 56 Rating, Add	*2,116.25*	
40 05 19 00-3265	EA	12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,071.66	464.21
		For Class 52 Rating, Deduct	*-810.51*	
		For Class 54 Rating, Add	*1,113.69*	
		For Class 55 Rating, Add	*1,660.01*	
		For Class 56 Rating, Add	*2,198.97*	
40 05 19 00-3266	EA	12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,355.91	467.09
		For Class 52 Rating, Deduct	*-841.30*	
		For Class 54 Rating, Add	*1,155.72*	
		For Class 55 Rating, Add	*1,722.53*	
		For Class 56 Rating, Add	*2,281.69*	
40 05 19 00-3267	EA	12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,640.16	469.97
		For Class 52 Rating, Deduct	*-872.09*	
		For Class 54 Rating, Add	*1,197.76*	
		For Class 55 Rating, Add	*1,785.05*	
		For Class 56 Rating, Add	*2,364.42*	
40 05 19 00-3268	EA	12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,924.41	472.86
		For Class 52 Rating, Deduct	*-902.88*	
		For Class 54 Rating, Add	*1,239.79*	
		For Class 55 Rating, Add	*1,847.57*	
		For Class 56 Rating, Add	*2,447.14*	
40 05 19 00-3269	EA	12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,208.67	475.74
		For Class 52 Rating, Deduct	*-933.66*	
		For Class 54 Rating, Add	*1,281.83*	
		For Class 55 Rating, Add	*1,910.09*	
		For Class 56 Rating, Add	*2,529.87*	
40 05 19 00-3270	EA	12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,492.93	478.63
		For Class 52 Rating, Deduct	*-964.45*	
		For Class 54 Rating, Add	*1,323.86*	
		For Class 55 Rating, Add	*1,972.61*	
		For Class 56 Rating, Add	*2,612.59*	
40 05 19 00-3271	EA	12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,777.18	481.50
		For Class 52 Rating, Deduct	*-995.24*	
		For Class 54 Rating, Add	*1,365.90*	
		For Class 55 Rating, Add	*2,035.13*	
		For Class 56 Rating, Add	*2,695.31*	
40 05 19 00-3272	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,061.44	484.39
		For Class 52 Rating, Deduct	*-1,026.03*	
		For Class 54 Rating, Add	*1,407.93*	
		For Class 55 Rating, Add	*2,097.65*	
		For Class 56 Rating, Add	*2,778.04*	
40 05 19 00-3273	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,345.68	487.28
		For Class 52 Rating, Deduct	*-1,056.81*	
		For Class 54 Rating, Add	*1,449.97*	
		For Class 55 Rating, Add	*2,160.17*	
		For Class 56 Rating, Add	*2,860.76*	
40 05 19 00-3274	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,629.94	490.15
		For Class 52 Rating, Deduct	*-1,087.60*	
		For Class 54 Rating, Add	*1,492.00*	
		For Class 55 Rating, Add	*2,222.69*	
		For Class 56 Rating, Add	*2,943.48*	
40 05 19 00-3275	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,914.20	493.04
		For Class 52 Rating, Deduct	*-1,118.39*	
		For Class 54 Rating, Add	*1,534.04*	
		For Class 55 Rating, Add	*2,285.21*	
		For Class 56 Rating, Add	*3,026.21*	
40 05 19 00-3276	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,198.44	495.92
		For Class 52 Rating, Deduct	*-1,149.18*	
		For Class 54 Rating, Add	*1,576.07*	
		For Class 55 Rating, Add	*2,347.73*	
		For Class 56 Rating, Add	*3,108.93*	
40 05 19 00-3277	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,482.70	498.81
		For Class 52 Rating, Deduct	*-1,179.96*	
		For Class 54 Rating, Add	*1,618.11*	
		For Class 55 Rating, Add	*2,410.25*	
		For Class 56 Rating, Add	*3,191.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3278	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,766.95	501.69
		For Class 52 Rating, Deduct	*-1,210.75*	
		For Class 54 Rating, Add	*1,660.14*	
		For Class 55 Rating, Add	*2,472.76*	
		For Class 56 Rating, Add	*3,274.38*	
40 05 19 00-3279	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,051.21	504.57
		For Class 52 Rating, Deduct	*-1,241.54*	
		For Class 54 Rating, Add	*1,702.18*	
		For Class 55 Rating, Add	*2,535.28*	
		For Class 56 Rating, Add	*3,357.10*	
40 05 19 00-3280	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,335.47	507.46
		For Class 52 Rating, Deduct	*-1,272.33*	
		For Class 54 Rating, Add	*1,744.22*	
		For Class 55 Rating, Add	*2,597.80*	
		For Class 56 Rating, Add	*3,439.83*	
40 05 19 00-3281	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,619.72	510.33
		For Class 52 Rating, Deduct	*-1,303.11*	
		For Class 54 Rating, Add	*1,786.25*	
		For Class 55 Rating, Add	*2,660.32*	
		For Class 56 Rating, Add	*3,522.55*	
40 05 19 00-3282	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,903.98	513.22
		For Class 52 Rating, Deduct	*-1,333.90*	
		For Class 54 Rating, Add	*1,828.29*	
		For Class 55 Rating, Add	*2,722.84*	
		For Class 56 Rating, Add	*3,605.27*	

40 05 19 00-3283 14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3284	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,836.12	484.39
		For Class 52 Rating, Deduct	*-231.24*	
		For Class 54 Rating, Add	*324.14*	
		For Class 55 Rating, Add	*486.40*	
		For Class 56 Rating, Add	*646.57*	
40 05 19 00-3285	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,181.21	487.28
		For Class 52 Rating, Deduct	*-268.72*	
		For Class 54 Rating, Add	*375.30*	
		For Class 55 Rating, Add	*562.49*	
		For Class 56 Rating, Add	*747.24*	
40 05 19 00-3286	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,526.31	490.15
		For Class 52 Rating, Deduct	*-306.20*	
		For Class 54 Rating, Add	*426.46*	
		For Class 55 Rating, Add	*638.58*	
		For Class 56 Rating, Add	*847.91*	
40 05 19 00-3287	EA	14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,871.41	493.04
		For Class 52 Rating, Deduct	*-343.68*	
		For Class 54 Rating, Add	*477.62*	
		For Class 55 Rating, Add	*714.67*	
		For Class 56 Rating, Add	*948.59*	
40 05 19 00-3288	EA	14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,216.50	495.92
		For Class 52 Rating, Deduct	*-381.16*	
		For Class 54 Rating, Add	*528.78*	
		For Class 55 Rating, Add	*790.75*	
		For Class 56 Rating, Add	*1,049.26*	
40 05 19 00-3289	EA	14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,561.60	498.81
		For Class 52 Rating, Deduct	*-418.64*	
		For Class 54 Rating, Add	*579.95*	
		For Class 55 Rating, Add	*866.84*	
		For Class 56 Rating, Add	*1,149.93*	
40 05 19 00-3290	EA	14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,906.70	501.69
		For Class 52 Rating, Deduct	*-456.12*	
		For Class 54 Rating, Add	*631.11*	
		For Class 55 Rating, Add	*942.93*	
		For Class 56 Rating, Add	*1,250.60*	
40 05 19 00-3291	EA	14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,251.80	504.57
		For Class 52 Rating, Deduct	*-493.60*	
		For Class 54 Rating, Add	*682.27*	
		For Class 55 Rating, Add	*1,019.02*	
		For Class 56 Rating, Add	*1,351.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3292	EA	14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,596.90	507.46
		For Class 52 Rating, Deduct	*-531.08*	
		For Class 54 Rating, Add	*733.43*	
		For Class 55 Rating, Add	*1,095.10*	
		For Class 56 Rating, Add	*1,451.95*	
40 05 19 00-3293	EA	14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,942.01	510.33
		For Class 52 Rating, Deduct	*-568.56*	
		For Class 54 Rating, Add	*784.59*	
		For Class 55 Rating, Add	*1,171.19*	
		For Class 56 Rating, Add	*1,552.62*	
40 05 19 00-3294	EA	14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,287.11	513.22
		For Class 52 Rating, Deduct	*-606.05*	
		For Class 54 Rating, Add	*835.76*	
		For Class 55 Rating, Add	*1,247.28*	
		For Class 56 Rating, Add	*1,653.30*	
40 05 19 00-3295	EA	14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,632.21	516.11
		For Class 52 Rating, Deduct	*-643.53*	
		For Class 54 Rating, Add	*886.92*	
		For Class 55 Rating, Add	*1,323.37*	
		For Class 56 Rating, Add	*1,753.97*	
40 05 19 00-3296	EA	14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,977.31	518.99
		For Class 52 Rating, Deduct	*-681.01*	
		For Class 54 Rating, Add	*938.08*	
		For Class 55 Rating, Add	*1,399.46*	
		For Class 56 Rating, Add	*1,854.64*	
40 05 19 00-3297	EA	14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,322.40	521.87
		For Class 52 Rating, Deduct	*-718.49*	
		For Class 54 Rating, Add	*989.24*	
		For Class 55 Rating, Add	*1,475.54*	
		For Class 56 Rating, Add	*1,955.31*	
40 05 19 00-3298	EA	14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,667.50	524.76
		For Class 52 Rating, Deduct	*-755.97*	
		For Class 54 Rating, Add	*1,040.40*	
		For Class 55 Rating, Add	*1,551.63*	
		For Class 56 Rating, Add	*2,055.99*	
40 05 19 00-3299	EA	14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,012.60	527.64
		For Class 52 Rating, Deduct	*-793.45*	
		For Class 54 Rating, Add	*1,091.57*	
		For Class 55 Rating, Add	*1,627.72*	
		For Class 56 Rating, Add	*2,156.66*	
40 05 19 00-3300	EA	14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,357.70	530.52
		For Class 52 Rating, Deduct	*-830.93*	
		For Class 54 Rating, Add	*1,142.73*	
		For Class 55 Rating, Add	*1,703.81*	
		For Class 56 Rating, Add	*2,257.33*	
40 05 19 00-3301	EA	14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,702.80	533.40
		For Class 52 Rating, Deduct	*-868.41*	
		For Class 54 Rating, Add	*1,193.89*	
		For Class 55 Rating, Add	*1,779.89*	
		For Class 56 Rating, Add	*2,358.00*	
40 05 19 00-3302	EA	14" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,047.90	536.29
		For Class 52 Rating, Deduct	*-905.89*	
		For Class 54 Rating, Add	*1,245.05*	
		For Class 55 Rating, Add	*1,855.98*	
		For Class 56 Rating, Add	*2,458.68*	
40 05 19 00-3303	EA	14" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,393.00	539.18
		For Class 52 Rating, Deduct	*-943.37*	
		For Class 54 Rating, Add	*1,296.21*	
		For Class 55 Rating, Add	*1,932.07*	
		For Class 56 Rating, Add	*2,559.35*	
40 05 19 00-3304	EA	14" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,738.11	542.05
		For Class 52 Rating, Deduct	*-980.85*	
		For Class 54 Rating, Add	*1,347.38*	
		For Class 55 Rating, Add	*2,008.16*	
		For Class 56 Rating, Add	*2,660.03*	
40 05 19 00-3305	EA	14" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,083.21	544.94
		For Class 52 Rating, Deduct	*-1,018.33*	
		For Class 54 Rating, Add	*1,398.54*	
		For Class 55 Rating, Add	*2,084.25*	
		For Class 56 Rating, Add	*2,760.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3306	EA	14" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,428.30	547.82
		For Class 52 Rating, Deduct	*-1,055.81*	
		For Class 54 Rating, Add	*1,449.70*	
		For Class 55 Rating, Add	*2,160.33*	
		For Class 56 Rating, Add	*2,861.37*	
40 05 19 00-3307	EA	14" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,773.40	550.71
		For Class 52 Rating, Deduct	*-1,093.29*	
		For Class 54 Rating, Add	*1,500.86*	
		For Class 55 Rating, Add	*2,236.42*	
		For Class 56 Rating, Add	*2,962.04*	
40 05 19 00-3308	EA	14" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,118.50	553.59
		For Class 52 Rating, Deduct	*-1,130.77*	
		For Class 54 Rating, Add	*1,552.02*	
		For Class 55 Rating, Add	*2,312.51*	
		For Class 56 Rating, Add	*3,062.72*	
40 05 19 00-3309	EA	14" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,463.60	556.47
		For Class 52 Rating, Deduct	*-1,168.25*	
		For Class 54 Rating, Add	*1,603.19*	
		For Class 55 Rating, Add	*2,388.60*	
		For Class 56 Rating, Add	*3,163.39*	
40 05 19 00-3310	EA	14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,808.70	559.36
		For Class 52 Rating, Deduct	*-1,205.73*	
		For Class 54 Rating, Add	*1,654.35*	
		For Class 55 Rating, Add	*2,464.69*	
		For Class 56 Rating, Add	*3,264.06*	
40 05 19 00-3311	EA	14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,153.80	562.23
		For Class 52 Rating, Deduct	*-1,243.21*	
		For Class 54 Rating, Add	*1,705.51*	
		For Class 55 Rating, Add	*2,540.77*	
		For Class 56 Rating, Add	*3,364.73*	
40 05 19 00-3312	EA	14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,498.90	565.12
		For Class 52 Rating, Deduct	*-1,280.69*	
		For Class 54 Rating, Add	*1,756.67*	
		For Class 55 Rating, Add	*2,616.86*	
		For Class 56 Rating, Add	*3,465.41*	
40 05 19 00-3313	EA	14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,844.00	568.01
		For Class 52 Rating, Deduct	*-1,318.17*	
		For Class 54 Rating, Add	*1,807.83*	
		For Class 55 Rating, Add	*2,692.95*	
		For Class 56 Rating, Add	*3,566.08*	
40 05 19 00-3314	EA	14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,189.10	570.89
		For Class 52 Rating, Deduct	*-1,355.65*	
		For Class 54 Rating, Add	*1,859.00*	
		For Class 55 Rating, Add	*2,769.04*	
		For Class 56 Rating, Add	*3,666.75*	
40 05 19 00-3315	EA	14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,534.20	573.77
		For Class 52 Rating, Deduct	*-1,393.13*	
		For Class 54 Rating, Add	*1,910.16*	
		For Class 55 Rating, Add	*2,845.13*	
		For Class 56 Rating, Add	*3,767.43*	
40 05 19 00-3316	EA	14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,879.30	576.65
		For Class 52 Rating, Deduct	*-1,430.61*	
		For Class 54 Rating, Add	*1,961.32*	
		For Class 55 Rating, Add	*2,921.21*	
		For Class 56 Rating, Add	*3,868.10*	
40 05 19 00-3317	EA	14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,224.40	579.54
		For Class 52 Rating, Deduct	*-1,468.09*	
		For Class 54 Rating, Add	*2,012.48*	
		For Class 55 Rating, Add	*2,997.30*	
		For Class 56 Rating, Add	*3,968.77*	
40 05 19 00-3318	EA	14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,569.50	582.42
		For Class 52 Rating, Deduct	*-1,505.57*	
		For Class 54 Rating, Add	*2,063.65*	
		For Class 55 Rating, Add	*3,073.39*	
		For Class 56 Rating, Add	*4,069.45*	
40 05 19 00-3319	EA	14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,914.60	585.30
		For Class 52 Rating, Deduct	*-1,543.05*	
		For Class 54 Rating, Add	*2,114.81*	
		For Class 55 Rating, Add	*3,149.48*	
		For Class 56 Rating, Add	*4,170.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3320	EA	14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,259.70	588.19
		For Class 52 Rating, Deduct	*-1,580.54*	
		For Class 54 Rating, Add	*2,165.97*	
		For Class 55 Rating, Add	*3,225.56*	
		For Class 56 Rating, Add	*4,270.79*	
40 05 19 00-3321	EA	14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,604.80	591.08
		For Class 52 Rating, Deduct	*-1,618.02*	
		For Class 54 Rating, Add	*2,217.13*	
		For Class 55 Rating, Add	*3,301.65*	
		For Class 56 Rating, Add	*4,371.46*	

40 05 19 00-3322 16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3323	EA	16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,318.20	553.59
		For Class 52 Rating, Deduct	*-272.74*	
		For Class 54 Rating, Add	*381.98*	
		For Class 55 Rating, Add	*573.04*	
		For Class 56 Rating, Add	*761.63*	
40 05 19 00-3324	EA	16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,718.06	556.47
		For Class 52 Rating, Deduct	*-316.24*	
		For Class 54 Rating, Add	*441.36*	
		For Class 55 Rating, Add	*661.34*	
		For Class 56 Rating, Add	*878.45*	
40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,117.92	559.36
		For Class 52 Rating, Deduct	*-359.75*	
		For Class 54 Rating, Add	*500.73*	
		For Class 55 Rating, Add	*749.64*	
		For Class 56 Rating, Add	*995.28*	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,517.78	562.23
		For Class 52 Rating, Deduct	*-403.25*	
		For Class 54 Rating, Add	*560.11*	
		For Class 55 Rating, Add	*837.94*	
		For Class 56 Rating, Add	*1,112.11*	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,917.64	565.12
		For Class 52 Rating, Deduct	*-446.75*	
		For Class 54 Rating, Add	*619.48*	
		For Class 55 Rating, Add	*926.24*	
		For Class 56 Rating, Add	*1,228.94*	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,317.50	568.01
		For Class 52 Rating, Deduct	*-490.26*	
		For Class 54 Rating, Add	*678.86*	
		For Class 55 Rating, Add	*1,014.54*	
		For Class 56 Rating, Add	*1,345.76*	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,717.36	570.89
		For Class 52 Rating, Deduct	*-533.76*	
		For Class 54 Rating, Add	*738.24*	
		For Class 55 Rating, Add	*1,102.84*	
		For Class 56 Rating, Add	*1,462.59*	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,117.21	573.77
		For Class 52 Rating, Deduct	*-577.26*	
		For Class 54 Rating, Add	*797.61*	
		For Class 55 Rating, Add	*1,191.14*	
		For Class 56 Rating, Add	*1,579.42*	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,517.08	576.65
		For Class 52 Rating, Deduct	*-620.77*	
		For Class 54 Rating, Add	*856.99*	
		For Class 55 Rating, Add	*1,279.44*	
		For Class 56 Rating, Add	*1,696.25*	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,916.94	579.54
		For Class 52 Rating, Deduct	*-664.27*	
		For Class 54 Rating, Add	*916.36*	
		For Class 55 Rating, Add	*1,367.74*	
		For Class 56 Rating, Add	*1,813.07*	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,316.80	582.42
		For Class 52 Rating, Deduct	*-707.78*	
		For Class 54 Rating, Add	*975.74*	
		For Class 55 Rating, Add	*1,456.04*	
		For Class 56 Rating, Add	*1,929.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,716.66	585.30
		For Class 52 Rating, Deduct	*-751.28*	
		For Class 54 Rating, Add	*1,035.12*	
		For Class 55 Rating, Add	*1,544.34*	
		For Class 56 Rating, Add	*2,046.73*	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,116.52	588.19
		For Class 52 Rating, Deduct	*-794.79*	
		For Class 54 Rating, Add	*1,094.49*	
		For Class 55 Rating, Add	*1,632.64*	
		For Class 56 Rating, Add	*2,163.55*	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,516.38	591.08
		For Class 52 Rating, Deduct	*-838.29*	
		For Class 54 Rating, Add	*1,153.87*	
		For Class 55 Rating, Add	*1,720.93*	
		For Class 56 Rating, Add	*2,280.38*	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,916.23	593.95
		For Class 52 Rating, Deduct	*-881.79*	
		For Class 54 Rating, Add	*1,213.24*	
		For Class 55 Rating, Add	*1,809.23*	
		For Class 56 Rating, Add	*2,397.21*	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,316.09	596.84
		For Class 52 Rating, Deduct	*-925.30*	
		For Class 54 Rating, Add	*1,272.62*	
		For Class 55 Rating, Add	*1,897.53*	
		For Class 56 Rating, Add	*2,514.03*	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,715.94	599.72
		For Class 52 Rating, Deduct	*-968.80*	
		For Class 54 Rating, Add	*1,332.00*	
		For Class 55 Rating, Add	*1,985.83*	
		For Class 56 Rating, Add	*2,630.86*	
40 05 19 00-3340	EA	16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,115.81	602.60
		For Class 52 Rating, Deduct	*-1,012.31*	
		For Class 54 Rating, Add	*1,391.37*	
		For Class 55 Rating, Add	*2,074.13*	
		For Class 56 Rating, Add	*2,747.69*	
40 05 19 00-3341	EA	16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,515.67	605.48
		For Class 52 Rating, Deduct	*-1,055.81*	
		For Class 54 Rating, Add	*1,450.75*	
		For Class 55 Rating, Add	*2,162.43*	
		For Class 56 Rating, Add	*2,864.52*	
40 05 19 00-3342	EA	16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,915.53	608.37
		For Class 52 Rating, Deduct	*-1,099.31*	
		For Class 54 Rating, Add	*1,510.13*	
		For Class 55 Rating, Add	*2,250.73*	
		For Class 56 Rating, Add	*2,981.34*	
40 05 19 00-3343	EA	16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,315.39	611.26
		For Class 52 Rating, Deduct	*-1,142.82*	
		For Class 54 Rating, Add	*1,569.50*	
		For Class 55 Rating, Add	*2,339.03*	
		For Class 56 Rating, Add	*3,098.17*	
40 05 19 00-3344	EA	16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,715.25	614.13
		For Class 52 Rating, Deduct	*-1,186.32*	
		For Class 54 Rating, Add	*1,628.88*	
		For Class 55 Rating, Add	*2,427.33*	
		For Class 56 Rating, Add	*3,215.00*	
40 05 19 00-3345	EA	16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,115.11	617.02
		For Class 52 Rating, Deduct	*-1,229.83*	
		For Class 54 Rating, Add	*1,688.25*	
		For Class 55 Rating, Add	*2,515.63*	
		For Class 56 Rating, Add	*3,331.82*	
40 05 19 00-3346	EA	16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,514.97	619.91
		For Class 52 Rating, Deduct	*-1,273.33*	
		For Class 54 Rating, Add	*1,747.63*	
		For Class 55 Rating, Add	*2,603.93*	
		For Class 56 Rating, Add	*3,448.65*	
40 05 19 00-3347	EA	16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,914.82	622.79
		For Class 52 Rating, Deduct	*-1,316.83*	
		For Class 54 Rating, Add	*1,807.00*	
		For Class 55 Rating, Add	*2,692.23*	
		For Class 56 Rating, Add	*3,565.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3348	EA	16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,314.69	625.67
		For Class 52 Rating, Deduct	*-1,360.34*	
		For Class 54 Rating, Add	*1,866.38*	
		For Class 55 Rating, Add	*2,780.53*	
		For Class 56 Rating, Add	*3,682.31*	
40 05 19 00-3349	EA	16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,714.55	628.56
		For Class 52 Rating, Deduct	*-1,403.84*	
		For Class 54 Rating, Add	*1,925.76*	
		For Class 55 Rating, Add	*2,868.83*	
		For Class 56 Rating, Add	*3,799.13*	
40 05 19 00-3350	EA	16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,114.41	631.44
		For Class 52 Rating, Deduct	*-1,447.35*	
		For Class 54 Rating, Add	*1,985.13*	
		For Class 55 Rating, Add	*2,957.13*	
		For Class 56 Rating, Add	*3,915.96*	
40 05 19 00-3351	EA	16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,514.27	634.31
		For Class 52 Rating, Deduct	*-1,490.85*	
		For Class 54 Rating, Add	*2,044.51*	
		For Class 55 Rating, Add	*3,045.43*	
		For Class 56 Rating, Add	*4,032.79*	
40 05 19 00-3352	EA	16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,914.13	637.20
		For Class 52 Rating, Deduct	*-1,534.35*	
		For Class 54 Rating, Add	*2,103.89*	
		For Class 55 Rating, Add	*3,133.72*	
		For Class 56 Rating, Add	*4,149.61*	
40 05 19 00-3353	EA	16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,313.99	640.09
		For Class 52 Rating, Deduct	*-1,577.86*	
		For Class 54 Rating, Add	*2,163.26*	
		For Class 55 Rating, Add	*3,222.02*	
		For Class 56 Rating, Add	*4,266.44*	
40 05 19 00-3354	EA	16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,713.85	642.97
		For Class 52 Rating, Deduct	*-1,621.36*	
		For Class 54 Rating, Add	*2,222.64*	
		For Class 55 Rating, Add	*3,310.32*	
		For Class 56 Rating, Add	*4,383.27*	
40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,113.71	645.85
		For Class 52 Rating, Deduct	*-1,664.87*	
		For Class 54 Rating, Add	*2,282.01*	
		For Class 55 Rating, Add	*3,398.62*	
		For Class 56 Rating, Add	*4,500.09*	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,513.57	648.74
		For Class 52 Rating, Deduct	*-1,708.37*	
		For Class 54 Rating, Add	*2,341.39*	
		For Class 55 Rating, Add	*3,486.92*	
		For Class 56 Rating, Add	*4,616.92*	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,913.43	651.62
		For Class 52 Rating, Deduct	*-1,751.87*	
		For Class 54 Rating, Add	*2,400.77*	
		For Class 55 Rating, Add	*3,575.22*	
		For Class 56 Rating, Add	*4,733.75*	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,313.29	654.50
		For Class 52 Rating, Deduct	*-1,795.38*	
		For Class 54 Rating, Add	*2,460.14*	
		For Class 55 Rating, Add	*3,663.52*	
		For Class 56 Rating, Add	*4,850.58*	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,713.15	657.39
		For Class 52 Rating, Deduct	*-1,838.88*	
		For Class 54 Rating, Add	*2,519.52*	
		For Class 55 Rating, Add	*3,751.82*	
		For Class 56 Rating, Add	*4,967.40*	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,113.01	660.27
		For Class 52 Rating, Deduct	*-1,882.39*	
		For Class 54 Rating, Add	*2,578.89*	
		For Class 55 Rating, Add	*3,840.12*	
		For Class 56 Rating, Add	*5,084.23*	

40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,850.71	623.94
		For Class 52 Rating, Deduct	*-319.59*	
		For Class 54 Rating, Add	*447.15*	
		For Class 55 Rating, Add	*670.58*	
		For Class 56 Rating, Add	*891.11*	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,311.42	626.83
		For Class 52 Rating, Deduct	*-369.78*	
		For Class 54 Rating, Add	*515.65*	
		For Class 55 Rating, Add	*772.45*	
		For Class 56 Rating, Add	*1,025.89*	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,772.11	629.71
		For Class 52 Rating, Deduct	*-419.98*	
		For Class 54 Rating, Add	*584.15*	
		For Class 55 Rating, Add	*874.31*	
		For Class 56 Rating, Add	*1,160.66*	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,232.82	632.59
		For Class 52 Rating, Deduct	*-470.18*	
		For Class 54 Rating, Add	*652.65*	
		For Class 55 Rating, Add	*976.18*	
		For Class 56 Rating, Add	*1,295.44*	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,693.52	635.47
		For Class 52 Rating, Deduct	*-520.37*	
		For Class 54 Rating, Add	*721.16*	
		For Class 55 Rating, Add	*1,078.05*	
		For Class 56 Rating, Add	*1,430.21*	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,154.23	638.35
		For Class 52 Rating, Deduct	*-570.57*	
		For Class 54 Rating, Add	*789.66*	
		For Class 55 Rating, Add	*1,179.92*	
		For Class 56 Rating, Add	*1,564.99*	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,614.94	641.24
		For Class 52 Rating, Deduct	*-620.77*	
		For Class 54 Rating, Add	*858.16*	
		For Class 55 Rating, Add	*1,281.79*	
		For Class 56 Rating, Add	*1,699.77*	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,075.64	644.12
		For Class 52 Rating, Deduct	*-670.97*	
		For Class 54 Rating, Add	*926.66*	
		For Class 55 Rating, Add	*1,383.65*	
		For Class 56 Rating, Add	*1,834.54*	
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,536.35	647.02
		For Class 52 Rating, Deduct	*-721.16*	
		For Class 54 Rating, Add	*995.17*	
		For Class 55 Rating, Add	*1,485.52*	
		For Class 56 Rating, Add	*1,969.32*	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,997.05	649.89
		For Class 52 Rating, Deduct	*-771.36*	
		For Class 54 Rating, Add	*1,063.67*	
		For Class 55 Rating, Add	*1,587.39*	
		For Class 56 Rating, Add	*2,104.10*	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,457.76	652.77
		For Class 52 Rating, Deduct	*-821.56*	
		For Class 54 Rating, Add	*1,132.17*	
		For Class 55 Rating, Add	*1,689.26*	
		For Class 56 Rating, Add	*2,238.87*	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,918.46	655.66
		For Class 52 Rating, Deduct	*-871.75*	
		For Class 54 Rating, Add	*1,200.68*	
		For Class 55 Rating, Add	*1,791.13*	
		For Class 56 Rating, Add	*2,373.65*	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,379.16	658.54
		For Class 52 Rating, Deduct	*-921.95*	
		For Class 54 Rating, Add	*1,269.18*	
		For Class 55 Rating, Add	*1,892.99*	
		For Class 56 Rating, Add	*2,508.42*	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,839.87	661.42
		For Class 52 Rating, Deduct	*-972.15*	
		For Class 54 Rating, Add	*1,337.68*	
		For Class 55 Rating, Add	*1,994.86*	
		For Class 56 Rating, Add	*2,643.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,300.57	664.31
		For Class 52 Rating, Deduct	*-1,022.34*	
		For Class 54 Rating, Add	*1,406.18*	
		For Class 55 Rating, Add	*2,096.73*	
		For Class 56 Rating, Add	*2,777.98*	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,761.28	667.20
		For Class 52 Rating, Deduct	*-1,072.54*	
		For Class 54 Rating, Add	*1,474.69*	
		For Class 55 Rating, Add	*2,198.60*	
		For Class 56 Rating, Add	*2,912.75*	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,221.99	670.07
		For Class 52 Rating, Deduct	*-1,122.74*	
		For Class 54 Rating, Add	*1,543.19*	
		For Class 55 Rating, Add	*2,300.47*	
		For Class 56 Rating, Add	*3,047.53*	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,682.69	672.95
		For Class 52 Rating, Deduct	*-1,172.94*	
		For Class 54 Rating, Add	*1,611.69*	
		For Class 55 Rating, Add	*2,402.33*	
		For Class 56 Rating, Add	*3,182.31*	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,143.40	675.85
		For Class 52 Rating, Deduct	*-1,223.13*	
		For Class 54 Rating, Add	*1,680.20*	
		For Class 55 Rating, Add	*2,504.20*	
		For Class 56 Rating, Add	*3,317.08*	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,604.10	678.72
		For Class 52 Rating, Deduct	*-1,273.33*	
		For Class 54 Rating, Add	*1,748.70*	
		For Class 55 Rating, Add	*2,606.07*	
		For Class 56 Rating, Add	*3,451.86*	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,064.80	681.60
		For Class 52 Rating, Deduct	*-1,323.53*	
		For Class 54 Rating, Add	*1,817.20*	
		For Class 55 Rating, Add	*2,707.94*	
		For Class 56 Rating, Add	*3,586.64*	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,525.50	684.49
		For Class 52 Rating, Deduct	*-1,373.72*	
		For Class 54 Rating, Add	*1,885.71*	
		For Class 55 Rating, Add	*2,809.80*	
		For Class 56 Rating, Add	*3,721.41*	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,986.20	687.38
		For Class 52 Rating, Deduct	*-1,423.92*	
		For Class 54 Rating, Add	*1,954.21*	
		For Class 55 Rating, Add	*2,911.67*	
		For Class 56 Rating, Add	*3,856.19*	
40 05 19 00-3385	EA	18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,446.91	690.25
		For Class 52 Rating, Deduct	*-1,474.12*	
		For Class 54 Rating, Add	*2,022.71*	
		For Class 55 Rating, Add	*3,013.54*	
		For Class 56 Rating, Add	*3,990.97*	
40 05 19 00-3386	EA	18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,907.61	693.14
		For Class 52 Rating, Deduct	*-1,524.31*	
		For Class 54 Rating, Add	*2,091.21*	
		For Class 55 Rating, Add	*3,115.41*	
		For Class 56 Rating, Add	*4,125.74*	
40 05 19 00-3387	EA	18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,368.32	696.03
		For Class 52 Rating, Deduct	*-1,574.51*	
		For Class 54 Rating, Add	*2,159.72*	
		For Class 55 Rating, Add	*3,217.27*	
		For Class 56 Rating, Add	*4,260.52*	
40 05 19 00-3388	EA	18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,829.03	698.91
		For Class 52 Rating, Deduct	*-1,624.71*	
		For Class 54 Rating, Add	*2,228.22*	
		For Class 55 Rating, Add	*3,319.14*	
		For Class 56 Rating, Add	*4,395.30*	
40 05 19 00-3389	EA	18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,289.73	701.78
		For Class 52 Rating, Deduct	*-1,674.91*	
		For Class 54 Rating, Add	*2,296.72*	
		For Class 55 Rating, Add	*3,421.01*	
		For Class 56 Rating, Add	*4,530.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3390	EA	18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,750.43	704.68
		For Class 52 Rating, Deduct	*-1,725.10*	
		For Class 54 Rating, Add	*2,365.22*	
		For Class 55 Rating, Add	*3,522.88*	
		For Class 56 Rating, Add	*4,664.85*	
40 05 19 00-3391	EA	18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,211.13	707.56
		For Class 52 Rating, Deduct	*-1,775.30*	
		For Class 54 Rating, Add	*2,433.73*	
		For Class 55 Rating, Add	*3,624.74*	
		For Class 56 Rating, Add	*4,799.62*	
40 05 19 00-3392	EA	18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,671.84	710.43
		For Class 52 Rating, Deduct	*-1,825.50*	
		For Class 54 Rating, Add	*2,502.23*	
		For Class 55 Rating, Add	*3,726.61*	
		For Class 56 Rating, Add	*4,934.40*	
40 05 19 00-3393	EA	18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,132.55	713.32
		For Class 52 Rating, Deduct	*-1,875.69*	
		For Class 54 Rating, Add	*2,570.73*	
		For Class 55 Rating, Add	*3,828.48*	
		For Class 56 Rating, Add	*5,069.18*	
40 05 19 00-3394	EA	18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,593.25	716.21
		For Class 52 Rating, Deduct	*-1,925.89*	
		For Class 54 Rating, Add	*2,639.24*	
		For Class 55 Rating, Add	*3,930.35*	
		For Class 56 Rating, Add	*5,203.95*	
40 05 19 00-3395	EA	18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,053.96	719.09
		For Class 52 Rating, Deduct	*-1,976.09*	
		For Class 54 Rating, Add	*2,707.74*	
		For Class 55 Rating, Add	*4,032.22*	
		For Class 56 Rating, Add	*5,338.73*	
40 05 19 00-3396	EA	18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,514.66	721.97
		For Class 52 Rating, Deduct	*-2,026.28*	
		For Class 54 Rating, Add	*2,776.24*	
		For Class 55 Rating, Add	*4,134.08*	
		For Class 56 Rating, Add	*5,473.50*	
40 05 19 00-3397	EA	18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,975.37	724.86
		For Class 52 Rating, Deduct	*-2,076.48*	
		For Class 54 Rating, Add	*2,844.74*	
		For Class 55 Rating, Add	*4,235.95*	
		For Class 56 Rating, Add	*5,608.28*	
40 05 19 00-3398	EA	18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,436.08	727.74
		For Class 52 Rating, Deduct	*-2,126.68*	
		For Class 54 Rating, Add	*2,913.25*	
		For Class 55 Rating, Add	*4,337.82*	
		For Class 56 Rating, Add	*5,743.06*	
40 05 19 00-3399	EA	18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,896.77	730.61
		For Class 52 Rating, Deduct	*-2,176.87*	
		For Class 54 Rating, Add	*2,981.75*	
		For Class 55 Rating, Add	*4,439.69*	
		For Class 56 Rating, Add	*5,877.83*	

40 05 19 00-3400 20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3401	EA	20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,486.35	712.17
		For Class 52 Rating, Deduct	*-374.80*	
		For Class 54 Rating, Add	*524.04*	
		For Class 55 Rating, Add	*785.73*	
		For Class 56 Rating, Add	*1,044.00*	
40 05 19 00-3402	EA	20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,010.94	715.06
		For Class 52 Rating, Deduct	*-432.03*	
		For Class 54 Rating, Add	*602.13*	
		For Class 55 Rating, Add	*901.84*	
		For Class 56 Rating, Add	*1,197.62*	
40 05 19 00-3403	EA	20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,535.53	717.93
		For Class 52 Rating, Deduct	*-489.25*	
		For Class 54 Rating, Add	*680.22*	
		For Class 55 Rating, Add	*1,017.95*	
		For Class 56 Rating, Add	*1,351.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3404	EA	20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,060.13	720.82
		For Class 52 Rating, Deduct	*-546.48*	
		For Class 54 Rating, Add	*758.30*	
		For Class 55 Rating, Add	*1,134.07*	
		For Class 56 Rating, Add	*1,504.87*	
40 05 19 00-3405	EA	20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,584.72	723.71
		For Class 52 Rating, Deduct	*-603.70*	
		For Class 54 Rating, Add	*836.39*	
		For Class 55 Rating, Add	*1,250.19*	
		For Class 56 Rating, Add	*1,658.49*	
40 05 19 00-3406	EA	20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,109.30	726.58
		For Class 52 Rating, Deduct	*-660.93*	
		For Class 54 Rating, Add	*914.47*	
		For Class 55 Rating, Add	*1,366.30*	
		For Class 56 Rating, Add	*1,812.12*	
40 05 19 00-3407	EA	20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,633.90	729.46
		For Class 52 Rating, Deduct	*-718.15*	
		For Class 54 Rating, Add	*992.56*	
		For Class 55 Rating, Add	*1,482.41*	
		For Class 56 Rating, Add	*1,965.74*	
40 05 19 00-3408	EA	20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,158.49	732.36
		For Class 52 Rating, Deduct	*-775.38*	
		For Class 54 Rating, Add	*1,070.65*	
		For Class 55 Rating, Add	*1,598.53*	
		For Class 56 Rating, Add	*2,119.36*	
40 05 19 00-3409	EA	20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,683.08	735.24
		For Class 52 Rating, Deduct	*-832.60*	
		For Class 54 Rating, Add	*1,148.73*	
		For Class 55 Rating, Add	*1,714.64*	
		For Class 56 Rating, Add	*2,272.99*	
40 05 19 00-3410	EA	20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,207.68	738.11
		For Class 52 Rating, Deduct	*-889.83*	
		For Class 54 Rating, Add	*1,226.82*	
		For Class 55 Rating, Add	*1,830.76*	
		For Class 56 Rating, Add	*2,426.61*	
40 05 19 00-3411	EA	20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,732.27	741.00
		For Class 52 Rating, Deduct	*-947.05*	
		For Class 54 Rating, Add	*1,304.90*	
		For Class 55 Rating, Add	*1,946.87*	
		For Class 56 Rating, Add	*2,580.23*	
40 05 19 00-3412	EA	20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,256.86	743.89
		For Class 52 Rating, Deduct	*-1,004.27*	
		For Class 54 Rating, Add	*1,382.99*	
		For Class 55 Rating, Add	*2,062.99*	
		For Class 56 Rating, Add	*2,733.85*	
40 05 19 00-3413	EA	20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,781.46	746.76
		For Class 52 Rating, Deduct	*-1,061.50*	
		For Class 54 Rating, Add	*1,461.08*	
		For Class 55 Rating, Add	*2,179.10*	
		For Class 56 Rating, Add	*2,887.48*	
40 05 19 00-3414	EA	20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,306.04	749.65
		For Class 52 Rating, Deduct	*-1,118.72*	
		For Class 54 Rating, Add	*1,539.16*	
		For Class 55 Rating, Add	*2,295.22*	
		For Class 56 Rating, Add	*3,041.10*	
40 05 19 00-3415	EA	20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,830.63	752.54
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,617.25*	
		For Class 55 Rating, Add	*2,411.33*	
		For Class 56 Rating, Add	*3,194.72*	
40 05 19 00-3416	EA	20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,355.22	755.42
		For Class 52 Rating, Deduct	*-1,233.17*	
		For Class 54 Rating, Add	*1,695.33*	
		For Class 55 Rating, Add	*2,527.44*	
		For Class 56 Rating, Add	*3,348.35*	
40 05 19 00-3417	EA	20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,879.82	758.29
		For Class 52 Rating, Deduct	*-1,290.40*	
		For Class 54 Rating, Add	*1,773.42*	
		For Class 55 Rating, Add	*2,643.56*	
		For Class 56 Rating, Add	*3,501.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3418	EA	20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,404.41	761.19
		For Class 52 Rating, Deduct	*-1,347.62*	
		For Class 54 Rating, Add	*1,851.50*	
		For Class 55 Rating, Add	*2,759.67*	
		For Class 56 Rating, Add	*3,655.59*	
40 05 19 00-3419	EA	20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,929.00	764.07
		For Class 52 Rating, Deduct	*-1,404.85*	
		For Class 54 Rating, Add	*1,929.59*	
		For Class 55 Rating, Add	*2,875.79*	
		For Class 56 Rating, Add	*3,809.22*	
40 05 19 00-3420	EA	20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,453.60	766.95
		For Class 52 Rating, Deduct	*-1,462.07*	
		For Class 54 Rating, Add	*2,007.68*	
		For Class 55 Rating, Add	*2,991.90*	
		For Class 56 Rating, Add	*3,962.84*	
40 05 19 00-3421	EA	20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,978.19	769.83
		For Class 52 Rating, Deduct	*-1,519.29*	
		For Class 54 Rating, Add	*2,085.76*	
		For Class 55 Rating, Add	*3,108.02*	
		For Class 56 Rating, Add	*4,116.46*	
40 05 19 00-3422	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,502.78	772.72
		For Class 52 Rating, Deduct	*-1,576.52*	
		For Class 54 Rating, Add	*2,163.85*	
		For Class 55 Rating, Add	*3,224.13*	
		For Class 56 Rating, Add	*4,270.09*	
40 05 19 00-3423	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,027.37	775.60
		For Class 52 Rating, Deduct	*-1,633.74*	
		For Class 54 Rating, Add	*2,241.93*	
		For Class 55 Rating, Add	*3,340.25*	
		For Class 56 Rating, Add	*4,423.71*	
40 05 19 00-3424	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,551.96	778.48
		For Class 52 Rating, Deduct	*-1,690.97*	
		For Class 54 Rating, Add	*2,320.02*	
		For Class 55 Rating, Add	*3,456.36*	
		For Class 56 Rating, Add	*4,577.33*	
40 05 19 00-3425	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,076.55	781.37
		For Class 52 Rating, Deduct	*-1,748.19*	
		For Class 54 Rating, Add	*2,398.11*	
		For Class 55 Rating, Add	*3,572.48*	
		For Class 56 Rating, Add	*4,730.95*	
40 05 19 00-3426	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,601.14	784.25
		For Class 52 Rating, Deduct	*-1,805.42*	
		For Class 54 Rating, Add	*2,476.19*	
		For Class 55 Rating, Add	*3,688.59*	
		For Class 56 Rating, Add	*4,884.58*	
40 05 19 00-3427	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,125.74	787.14
		For Class 52 Rating, Deduct	*-1,862.64*	
		For Class 54 Rating, Add	*2,554.28*	
		For Class 55 Rating, Add	*3,804.71*	
		For Class 56 Rating, Add	*5,038.20*	
40 05 19 00-3428	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,650.33	790.02
		For Class 52 Rating, Deduct	*-1,919.87*	
		For Class 54 Rating, Add	*2,632.36*	
		For Class 55 Rating, Add	*3,920.82*	
		For Class 56 Rating, Add	*5,191.82*	
40 05 19 00-3429	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,174.92	792.90
		For Class 52 Rating, Deduct	*-1,977.09*	
		For Class 54 Rating, Add	*2,710.45*	
		For Class 55 Rating, Add	*4,036.93*	
		For Class 56 Rating, Add	*5,345.45*	
40 05 19 00-3430	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,699.52	795.78
		For Class 52 Rating, Deduct	*-2,034.32*	
		For Class 54 Rating, Add	*2,788.54*	
		For Class 55 Rating, Add	*4,153.05*	
		For Class 56 Rating, Add	*5,499.07*	
40 05 19 00-3431	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,224.11	798.66
		For Class 52 Rating, Deduct	*-2,091.54*	
		For Class 54 Rating, Add	*2,866.62*	
		For Class 55 Rating, Add	*4,269.16*	
		For Class 56 Rating, Add	*5,652.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3432	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,748.69	801.55
		For Class 52 Rating, Deduct	*-2,148.76*	
		For Class 54 Rating, Add	*2,944.71*	
		For Class 55 Rating, Add	*4,385.28*	
		For Class 56 Rating, Add	*5,806.32*	
40 05 19 00-3433	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,273.29	804.43
		For Class 52 Rating, Deduct	*-2,205.99*	
		For Class 54 Rating, Add	*3,022.79*	
		For Class 55 Rating, Add	*4,501.39*	
		For Class 56 Rating, Add	*5,959.94*	
40 05 19 00-3434	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,797.88	807.32
		For Class 52 Rating, Deduct	*-2,263.21*	
		For Class 54 Rating, Add	*3,100.88*	
		For Class 55 Rating, Add	*4,617.51*	
		For Class 56 Rating, Add	*6,113.56*	
40 05 19 00-3435	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,322.46	810.20
		For Class 52 Rating, Deduct	*-2,320.44*	
		For Class 54 Rating, Add	*3,178.96*	
		For Class 55 Rating, Add	*4,733.62*	
		For Class 56 Rating, Add	*6,267.19*	
40 05 19 00-3436	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,847.06	813.08
		For Class 52 Rating, Deduct	*-2,377.66*	
		For Class 54 Rating, Add	*3,257.05*	
		For Class 55 Rating, Add	*4,849.74*	
		For Class 56 Rating, Add	*6,420.81*	
40 05 19 00-3437	EA	20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,371.65	815.97
		For Class 52 Rating, Deduct	*-2,434.89*	
		For Class 54 Rating, Add	*3,335.14*	
		For Class 55 Rating, Add	*4,965.85*	
		For Class 56 Rating, Add	*6,574.43*	
40 05 19 00-3438	EA	20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,896.24	818.85
		For Class 52 Rating, Deduct	*-2,492.11*	
		For Class 54 Rating, Add	*3,413.22*	
		For Class 55 Rating, Add	*5,081.97*	
		For Class 56 Rating, Add	*6,728.05*	

40 05 19 00-3439 24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3440	EA	24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,528.68	841.91
		For Class 52 Rating, Deduct	*-467.84*	
		For Class 54 Rating, Add	*653.27*	
		For Class 55 Rating, Add	*979.05*	
		For Class 56 Rating, Add	*1,300.57*	
40 05 19 00-3441	EA	24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,178.01	844.80
		For Class 52 Rating, Deduct	*-538.78*	
		For Class 54 Rating, Add	*750.06*	
		For Class 55 Rating, Add	*1,122.98*	
		For Class 56 Rating, Add	*1,490.99*	
40 05 19 00-3442	EA	24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,827.33	847.69
		For Class 52 Rating, Deduct	*-609.73*	
		For Class 54 Rating, Add	*846.86*	
		For Class 55 Rating, Add	*1,266.90*	
		For Class 56 Rating, Add	*1,681.41*	
40 05 19 00-3443	EA	24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,476.66	850.56
		For Class 52 Rating, Deduct	*-680.67*	
		For Class 54 Rating, Add	*943.65*	
		For Class 55 Rating, Add	*1,410.84*	
		For Class 56 Rating, Add	*1,871.83*	
40 05 19 00-3444	EA	24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,125.97	853.44
		For Class 52 Rating, Deduct	*-751.62*	
		For Class 54 Rating, Add	*1,040.45*	
		For Class 55 Rating, Add	*1,554.76*	
		For Class 56 Rating, Add	*2,062.25*	
40 05 19 00-3445	EA	24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,775.30	856.34
		For Class 52 Rating, Deduct	*-822.56*	
		For Class 54 Rating, Add	*1,137.24*	
		For Class 55 Rating, Add	*1,698.70*	
		For Class 56 Rating, Add	*2,252.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3446	EA	24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,424.62	859.22
		For Class 52 Rating, Deduct	*-893.51*	
		For Class 54 Rating, Add	*1,234.04*	
		For Class 55 Rating, Add	*1,842.62*	
		For Class 56 Rating, Add	*2,443.09*	
40 05 19 00-3447	EA	24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,073.95	862.09
		For Class 52 Rating, Deduct	*-964.45*	
		For Class 54 Rating, Add	*1,330.84*	
		For Class 55 Rating, Add	*1,986.56*	
		For Class 56 Rating, Add	*2,633.51*	
40 05 19 00-3448	EA	24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,723.27	864.99
		For Class 52 Rating, Deduct	*-1,035.40*	
		For Class 54 Rating, Add	*1,427.63*	
		For Class 55 Rating, Add	*2,130.48*	
		For Class 56 Rating, Add	*2,823.92*	
40 05 19 00-3449	EA	24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,372.60	867.87
		For Class 52 Rating, Deduct	*-1,106.34*	
		For Class 54 Rating, Add	*1,524.43*	
		For Class 55 Rating, Add	*2,274.41*	
		For Class 56 Rating, Add	*3,014.34*	
40 05 19 00-3450	EA	24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,021.92	870.74
		For Class 52 Rating, Deduct	*-1,177.29*	
		For Class 54 Rating, Add	*1,621.22*	
		For Class 55 Rating, Add	*2,418.34*	
		For Class 56 Rating, Add	*3,204.76*	
40 05 19 00-3451	EA	24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,671.25	873.63
		For Class 52 Rating, Deduct	*-1,248.23*	
		For Class 54 Rating, Add	*1,718.02*	
		For Class 55 Rating, Add	*2,562.27*	
		For Class 56 Rating, Add	*3,395.18*	
40 05 19 00-3452	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,320.57	876.52
		For Class 52 Rating, Deduct	*-1,319.18*	
		For Class 54 Rating, Add	*1,814.81*	
		For Class 55 Rating, Add	*2,706.20*	
		For Class 56 Rating, Add	*3,585.60*	
40 05 19 00-3453	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,969.88	879.40
		For Class 52 Rating, Deduct	*-1,390.12*	
		For Class 54 Rating, Add	*1,911.61*	
		For Class 55 Rating, Add	*2,850.13*	
		For Class 56 Rating, Add	*3,776.02*	
40 05 19 00-3454	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,619.21	882.27
		For Class 52 Rating, Deduct	*-1,461.07*	
		For Class 54 Rating, Add	*2,008.40*	
		For Class 55 Rating, Add	*2,994.06*	
		For Class 56 Rating, Add	*3,966.44*	
40 05 19 00-3455	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,268.53	885.17
		For Class 52 Rating, Deduct	*-1,532.01*	
		For Class 54 Rating, Add	*2,105.20*	
		For Class 55 Rating, Add	*3,137.99*	
		For Class 56 Rating, Add	*4,156.86*	
40 05 19 00-3456	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,917.86	888.05
		For Class 52 Rating, Deduct	*-1,602.96*	
		For Class 54 Rating, Add	*2,202.00*	
		For Class 55 Rating, Add	*3,281.92*	
		For Class 56 Rating, Add	*4,347.28*	
40 05 19 00-3457	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,567.18	890.92
		For Class 52 Rating, Deduct	*-1,673.90*	
		For Class 54 Rating, Add	*2,298.79*	
		For Class 55 Rating, Add	*3,425.85*	
		For Class 56 Rating, Add	*4,537.69*	
40 05 19 00-3458	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,216.51	893.82
		For Class 52 Rating, Deduct	*-1,744.85*	
		For Class 54 Rating, Add	*2,395.59*	
		For Class 55 Rating, Add	*3,569.78*	
		For Class 56 Rating, Add	*4,728.11*	
40 05 19 00-3459	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,865.83	896.70
		For Class 52 Rating, Deduct	*-1,815.79*	
		For Class 54 Rating, Add	*2,492.38*	
		For Class 55 Rating, Add	*3,713.71*	
		For Class 56 Rating, Add	*4,918.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,515.16	899.58
		For Class 52 Rating, Deduct	*-1,886.74*	
		For Class 54 Rating, Add	*2,589.18*	
		For Class 55 Rating, Add	*3,857.64*	
		For Class 56 Rating, Add	*5,108.95*	
40 05 19 00-3461	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,164.47	902.46
		For Class 52 Rating, Deduct	*-1,957.68*	
		For Class 54 Rating, Add	*2,685.97*	
		For Class 55 Rating, Add	*4,001.57*	
		For Class 56 Rating, Add	*5,299.37*	
40 05 19 00-3462	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,813.80	905.35
		For Class 52 Rating, Deduct	*-2,028.63*	
		For Class 54 Rating, Add	*2,782.77*	
		For Class 55 Rating, Add	*4,145.50*	
		For Class 56 Rating, Add	*5,489.79*	
40 05 19 00-3463	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,463.12	908.23
		For Class 52 Rating, Deduct	*-2,099.57*	
		For Class 54 Rating, Add	*2,879.56*	
		For Class 55 Rating, Add	*4,289.43*	
		For Class 56 Rating, Add	*5,680.21*	
40 05 19 00-3464	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,112.45	911.12
		For Class 52 Rating, Deduct	*-2,170.52*	
		For Class 54 Rating, Add	*2,976.36*	
		For Class 55 Rating, Add	*4,433.36*	
		For Class 56 Rating, Add	*5,870.63*	
40 05 19 00-3465	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,761.77	914.00
		For Class 52 Rating, Deduct	*-2,241.46*	
		For Class 54 Rating, Add	*3,073.16*	
		For Class 55 Rating, Add	*4,577.29*	
		For Class 56 Rating, Add	*6,061.05*	
40 05 19 00-3466	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,411.09	916.88
		For Class 52 Rating, Deduct	*-2,312.41*	
		For Class 54 Rating, Add	*3,169.95*	
		For Class 55 Rating, Add	*4,721.22*	
		For Class 56 Rating, Add	*6,251.47*	
40 05 19 00-3467	EA	24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,060.41	919.77
		For Class 52 Rating, Deduct	*-2,383.35*	
		For Class 54 Rating, Add	*3,266.75*	
		For Class 55 Rating, Add	*4,865.15*	
		For Class 56 Rating, Add	*6,441.88*	
40 05 19 00-3468	EA	24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,709.74	922.65
		For Class 52 Rating, Deduct	*-2,454.30*	
		For Class 54 Rating, Add	*3,363.54*	
		For Class 55 Rating, Add	*5,009.08*	
		For Class 56 Rating, Add	*6,632.30*	
40 05 19 00-3469	EA	24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,433.33	974.54
		For Class 52 Rating, Deduct	*-2,525.24*	
		For Class 54 Rating, Add	*3,461.23*	
		For Class 55 Rating, Add	*5,154.79*	
		For Class 56 Rating, Add	*6,825.40*	
40 05 19 00-3470	EA	24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,082.66	977.42
		For Class 52 Rating, Deduct	*-2,596.19*	
		For Class 54 Rating, Add	*3,558.03*	
		For Class 55 Rating, Add	*5,298.72*	
		For Class 56 Rating, Add	*7,015.82*	
40 05 19 00-3471	EA	24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,731.97	980.32
		For Class 52 Rating, Deduct	*-2,667.13*	
		For Class 54 Rating, Add	*3,654.82*	
		For Class 55 Rating, Add	*5,442.65*	
		For Class 56 Rating, Add	*7,206.23*	
40 05 19 00-3472	EA	24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,381.30	983.20
		For Class 52 Rating, Deduct	*-2,738.08*	
		For Class 54 Rating, Add	*3,751.62*	
		For Class 55 Rating, Add	*5,586.58*	
		For Class 56 Rating, Add	*7,396.65*	
40 05 19 00-3473	EA	24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,030.62	986.07
		For Class 52 Rating, Deduct	*-2,809.02*	
		For Class 54 Rating, Add	*3,848.41*	
		For Class 55 Rating, Add	*5,730.51*	
		For Class 56 Rating, Add	*7,587.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3474	EA	24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,722.19	988.97
		For Class 52 Rating, Deduct	*-3,214.61*	
		For Class 54 Rating, Add	*4,401.55*	
		For Class 55 Rating, Add	*6,552.86*	
		For Class 56 Rating, Add	*8,674.95*	
40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,329.27	991.85
		For Class 52 Rating, Deduct	*-2,950.91*	
		For Class 54 Rating, Add	*4,042.00*	
		For Class 55 Rating, Add	*6,018.37*	
		For Class 56 Rating, Add	*7,967.91*	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,978.60	994.72
		For Class 52 Rating, Deduct	*-3,021.86*	
		For Class 54 Rating, Add	*4,138.80*	
		For Class 55 Rating, Add	*6,162.30*	
		For Class 56 Rating, Add	*8,158.33*	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,627.92	997.62
		For Class 52 Rating, Deduct	*-3,092.80*	
		For Class 54 Rating, Add	*4,235.60*	
		For Class 55 Rating, Add	*6,306.23*	
		For Class 56 Rating, Add	*8,348.75*	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,387.21	1,187.92
		For Class 52 Rating, Deduct	*-834.61*	
		For Class 54 Rating, Add	*1,159.70*	
		For Class 55 Rating, Add	*1,735.18*	
		For Class 56 Rating, Add	*2,303.06*	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,316.42	1,190.79
		For Class 52 Rating, Deduct	*-936.34*	
		For Class 54 Rating, Add	*1,298.48*	
		For Class 55 Rating, Add	*1,941.52*	
		For Class 56 Rating, Add	*2,576.05*	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,245.63	1,193.67
		For Class 52 Rating, Deduct	*-1,038.07*	
		For Class 54 Rating, Add	*1,437.26*	
		For Class 55 Rating, Add	*2,147.86*	
		For Class 56 Rating, Add	*2,849.03*	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,174.84	1,196.57
		For Class 52 Rating, Deduct	*-1,139.81*	
		For Class 54 Rating, Add	*1,576.04*	
		For Class 55 Rating, Add	*2,354.21*	
		For Class 56 Rating, Add	*3,122.02*	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,104.05	1,199.45
		For Class 52 Rating, Deduct	*-1,241.54*	
		For Class 54 Rating, Add	*1,714.81*	
		For Class 55 Rating, Add	*2,560.55*	
		For Class 56 Rating, Add	*3,395.00*	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,033.26	1,202.32
		For Class 52 Rating, Deduct	*-1,343.27*	
		For Class 54 Rating, Add	*1,853.59*	
		For Class 55 Rating, Add	*2,766.90*	
		For Class 56 Rating, Add	*3,667.99*	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,962.47	1,205.21
		For Class 52 Rating, Deduct	*-1,445.00*	
		For Class 54 Rating, Add	*1,992.37*	
		For Class 55 Rating, Add	*2,973.24*	
		For Class 56 Rating, Add	*3,940.97*	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,891.67	1,208.10
		For Class 52 Rating, Deduct	*-1,546.74*	
		For Class 54 Rating, Add	*2,131.15*	
		For Class 55 Rating, Add	*3,179.58*	
		For Class 56 Rating, Add	*4,213.96*	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,820.88	1,210.97
		For Class 52 Rating, Deduct	*-1,648.47*	
		For Class 54 Rating, Add	*2,269.93*	
		For Class 55 Rating, Add	*3,385.93*	
		For Class 56 Rating, Add	*4,486.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,750.10	1,213.85
		For Class 52 Rating, Deduct	*-1,750.20*	
		For Class 54 Rating, Add	*2,408.71*	
		For Class 55 Rating, Add	*3,592.28*	
		For Class 56 Rating, Add	*4,759.93*	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,679.31	1,216.75
		For Class 52 Rating, Deduct	*-1,851.93*	
		For Class 54 Rating, Add	*2,547.49*	
		For Class 55 Rating, Add	*3,798.62*	
		For Class 56 Rating, Add	*5,032.92*	
40 05 19 00-3490	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,608.52	1,219.63
		For Class 52 Rating, Deduct	*-1,953.67*	
		For Class 54 Rating, Add	*2,686.27*	
		For Class 55 Rating, Add	*4,004.96*	
		For Class 56 Rating, Add	*5,305.90*	
40 05 19 00-3491	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,537.73	1,222.50
		For Class 52 Rating, Deduct	*-2,055.40*	
		For Class 54 Rating, Add	*2,825.04*	
		For Class 55 Rating, Add	*4,211.31*	
		For Class 56 Rating, Add	*5,578.89*	
40 05 19 00-3492	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,466.94	1,225.40
		For Class 52 Rating, Deduct	*-2,157.13*	
		For Class 54 Rating, Add	*2,963.82*	
		For Class 55 Rating, Add	*4,417.65*	
		For Class 56 Rating, Add	*5,851.87*	
40 05 19 00-3493	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,396.15	1,228.28
		For Class 52 Rating, Deduct	*-2,258.86*	
		For Class 54 Rating, Add	*3,102.60*	
		For Class 55 Rating, Add	*4,624.00*	
		For Class 56 Rating, Add	*6,124.86*	
40 05 19 00-3494	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,325.36	1,231.15
		For Class 52 Rating, Deduct	*-2,360.60*	
		For Class 54 Rating, Add	*3,241.38*	
		For Class 55 Rating, Add	*4,830.34*	
		For Class 56 Rating, Add	*6,397.84*	
40 05 19 00-3495	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,254.56	1,234.04
		For Class 52 Rating, Deduct	*-2,462.33*	
		For Class 54 Rating, Add	*3,380.16*	
		For Class 55 Rating, Add	*5,036.68*	
		For Class 56 Rating, Add	*6,670.83*	
40 05 19 00-3496	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,183.77	1,236.93
		For Class 52 Rating, Deduct	*-2,564.06*	
		For Class 54 Rating, Add	*3,518.94*	
		For Class 55 Rating, Add	*5,243.03*	
		For Class 56 Rating, Add	*6,943.81*	
40 05 19 00-3497	EA	30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,112.97	1,239.81
		For Class 52 Rating, Deduct	*-2,665.79*	
		For Class 54 Rating, Add	*3,657.71*	
		For Class 55 Rating, Add	*5,449.37*	
		For Class 56 Rating, Add	*7,216.80*	
40 05 19 00-3498	EA	30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,042.18	1,242.68
		For Class 52 Rating, Deduct	*-2,767.53*	
		For Class 54 Rating, Add	*3,796.49*	
		For Class 55 Rating, Add	*5,655.72*	
		For Class 56 Rating, Add	*7,489.78*	
40 05 19 00-3499	EA	30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,971.40	1,245.58
		For Class 52 Rating, Deduct	*-2,869.26*	
		For Class 54 Rating, Add	*3,935.27*	
		For Class 55 Rating, Add	*5,862.06*	
		For Class 56 Rating, Add	*7,762.77*	
40 05 19 00-3500	EA	30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,900.61	1,248.46
		For Class 52 Rating, Deduct	*-2,970.99*	
		For Class 54 Rating, Add	*4,074.05*	
		For Class 55 Rating, Add	*6,068.41*	
		For Class 56 Rating, Add	*8,035.76*	
40 05 19 00-3501	EA	30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,829.82	1,251.33
		For Class 52 Rating, Deduct	*-3,072.72*	
		For Class 54 Rating, Add	*4,212.83*	
		For Class 55 Rating, Add	*6,274.75*	
		For Class 56 Rating, Add	*8,308.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3502	EA	30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,759.03	1,254.22
		For Class 52 Rating, Deduct	*-3,174.46*	
		For Class 54 Rating, Add	*4,351.61*	
		For Class 55 Rating, Add	*6,481.10*	
		For Class 56 Rating, Add	*8,581.73*	
40 05 19 00-3503	EA	30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,688.24	1,257.11
		For Class 52 Rating, Deduct	*-3,276.19*	
		For Class 54 Rating, Add	*4,490.39*	
		For Class 55 Rating, Add	*6,687.44*	
		For Class 56 Rating, Add	*8,854.71*	
40 05 19 00-3504	EA	30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,617.44	1,259.99
		For Class 52 Rating, Deduct	*-3,377.92*	
		For Class 54 Rating, Add	*4,629.16*	
		For Class 55 Rating, Add	*6,893.78*	
		For Class 56 Rating, Add	*9,127.70*	
40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,546.65	1,262.87
		For Class 52 Rating, Deduct	*-3,479.65*	
		For Class 54 Rating, Add	*4,767.94*	
		For Class 55 Rating, Add	*7,100.13*	
		For Class 56 Rating, Add	*9,400.68*	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,475.86	1,265.76
		For Class 52 Rating, Deduct	*-3,581.39*	
		For Class 54 Rating, Add	*4,906.72*	
		For Class 55 Rating, Add	*7,306.47*	
		For Class 56 Rating, Add	*9,673.67*	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,405.07	1,268.64
		For Class 52 Rating, Deduct	*-3,683.12*	
		For Class 54 Rating, Add	*5,045.50*	
		For Class 55 Rating, Add	*7,512.82*	
		For Class 56 Rating, Add	*9,946.65*	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,334.28	1,271.53
		For Class 52 Rating, Deduct	*-3,784.85*	
		For Class 54 Rating, Add	*5,184.28*	
		For Class 55 Rating, Add	*7,719.16*	
		For Class 56 Rating, Add	*10,219.64*	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,263.50	1,274.41
		For Class 52 Rating, Deduct	*-3,886.58*	
		For Class 54 Rating, Add	*5,323.06*	
		For Class 55 Rating, Add	*7,925.51*	
		For Class 56 Rating, Add	*10,492.62*	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,192.71	1,277.29
		For Class 52 Rating, Deduct	*-3,988.32*	
		For Class 54 Rating, Add	*5,461.84*	
		For Class 55 Rating, Add	*8,131.85*	
		For Class 56 Rating, Add	*10,765.61*	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,121.92	1,280.18
		For Class 52 Rating, Deduct	*-4,090.05*	
		For Class 54 Rating, Add	*5,600.61*	
		For Class 55 Rating, Add	*8,338.20*	
		For Class 56 Rating, Add	*11,038.59*	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,051.12	1,283.05
		For Class 52 Rating, Deduct	*-4,191.78*	
		For Class 54 Rating, Add	*5,739.39*	
		For Class 55 Rating, Add	*8,544.54*	
		For Class 56 Rating, Add	*11,311.58*	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,980.33	1,285.94
		For Class 52 Rating, Deduct	*-4,293.51*	
		For Class 54 Rating, Add	*5,878.17*	
		For Class 55 Rating, Add	*8,750.88*	
		For Class 56 Rating, Add	*11,584.56*	

40 05 19 00-3514 36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,729.61	1,505.07
		For Class 52 Rating, Deduct	*-1,039.41*	
		For Class 54 Rating, Add	*1,444.74*	
		For Class 55 Rating, Add	*2,161.90*	
		For Class 56 Rating, Add	*2,869.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,975.21	1,507.96
		For Class 52 Rating, Deduct	*-1,175.95*	
		For Class 54 Rating, Add	*1,630.98*	
		For Class 55 Rating, Add	*2,438.80*	
		For Class 56 Rating, Add	*3,235.93*	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,220.82	1,510.83
		For Class 52 Rating, Deduct	*-1,312.48*	
		For Class 54 Rating, Add	*1,817.22*	
		For Class 55 Rating, Add	*2,715.70*	
		For Class 56 Rating, Add	*3,602.25*	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,466.41	1,513.72
		For Class 52 Rating, Deduct	*-1,449.02*	
		For Class 54 Rating, Add	*2,003.46*	
		For Class 55 Rating, Add	*2,992.60*	
		For Class 56 Rating, Add	*3,968.57*	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,712.01	1,516.61
		For Class 52 Rating, Deduct	*-1,585.55*	
		For Class 54 Rating, Add	*2,189.69*	
		For Class 55 Rating, Add	*3,269.50*	
		For Class 56 Rating, Add	*4,334.89*	
40 05 19 00-3520	EA	36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,957.62	1,519.48
		For Class 52 Rating, Deduct	*-1,722.09*	
		For Class 54 Rating, Add	*2,375.93*	
		For Class 55 Rating, Add	*3,546.40*	
		For Class 56 Rating, Add	*4,701.22*	
40 05 19 00-3521	EA	36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,203.22	1,522.37
		For Class 52 Rating, Deduct	*-1,858.63*	
		For Class 54 Rating, Add	*2,562.17*	
		For Class 55 Rating, Add	*3,823.30*	
		For Class 56 Rating, Add	*5,067.54*	
40 05 19 00-3522	EA	36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,448.82	1,525.25
		For Class 52 Rating, Deduct	*-1,995.16*	
		For Class 54 Rating, Add	*2,748.41*	
		For Class 55 Rating, Add	*4,100.20*	
		For Class 56 Rating, Add	*5,433.86*	
40 05 19 00-3523	EA	36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,694.43	1,528.14
		For Class 52 Rating, Deduct	*-2,131.70*	
		For Class 54 Rating, Add	*2,934.64*	
		For Class 55 Rating, Add	*4,377.10*	
		For Class 56 Rating, Add	*5,800.18*	
40 05 19 00-3524	EA	36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,940.03	1,531.02
		For Class 52 Rating, Deduct	*-2,268.23*	
		For Class 54 Rating, Add	*3,120.88*	
		For Class 55 Rating, Add	*4,654.00*	
		For Class 56 Rating, Add	*6,166.50*	
40 05 19 00-3525	EA	36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,185.64	1,533.90
		For Class 52 Rating, Deduct	*-2,404.77*	
		For Class 54 Rating, Add	*3,307.12*	
		For Class 55 Rating, Add	*4,930.90*	
		For Class 56 Rating, Add	*6,532.82*	
40 05 19 00-3526	EA	36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,431.24	1,536.79
		For Class 52 Rating, Deduct	*-2,541.30*	
		For Class 54 Rating, Add	*3,493.36*	
		For Class 55 Rating, Add	*5,207.80*	
		For Class 56 Rating, Add	*6,899.14*	
40 05 19 00-3527	EA	36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,676.83	1,539.66
		For Class 52 Rating, Deduct	*-2,677.84*	
		For Class 54 Rating, Add	*3,679.59*	
		For Class 55 Rating, Add	*5,484.70*	
		For Class 56 Rating, Add	*7,265.46*	
40 05 19 00-3528	EA	36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,922.44	1,542.55
		For Class 52 Rating, Deduct	*-2,814.38*	
		For Class 54 Rating, Add	*3,865.83*	
		For Class 55 Rating, Add	*5,761.60*	
		For Class 56 Rating, Add	*7,631.79*	
40 05 19 00-3529	EA	36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,168.04	1,545.44
		For Class 52 Rating, Deduct	*-2,950.91*	
		For Class 54 Rating, Add	*4,052.07*	
		For Class 55 Rating, Add	*6,038.50*	
		For Class 56 Rating, Add	*7,998.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3530	EA	36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,413.65	1,548.32
		For Class 52 Rating, Deduct	*-3,087.45*	
		For Class 54 Rating, Add	*4,238.31*	
		For Class 55 Rating, Add	*6,315.40*	
		For Class 56 Rating, Add	*8,364.43*	
40 05 19 00-3531	EA	36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,659.25	1,551.20
		For Class 52 Rating, Deduct	*-3,223.98*	
		For Class 54 Rating, Add	*4,424.54*	
		For Class 55 Rating, Add	*6,592.30*	
		For Class 56 Rating, Add	*8,730.75*	
40 05 19 00-3532	EA	36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,904.85	1,554.08
		For Class 52 Rating, Deduct	*-3,360.52*	
		For Class 54 Rating, Add	*4,610.78*	
		For Class 55 Rating, Add	*6,869.20*	
		For Class 56 Rating, Add	*9,097.07*	
40 05 19 00-3533	EA	36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,150.46	1,556.97
		For Class 52 Rating, Deduct	*-3,497.06*	
		For Class 54 Rating, Add	*4,797.02*	
		For Class 55 Rating, Add	*7,146.10*	
		For Class 56 Rating, Add	*9,463.39*	
40 05 19 00-3534	EA	36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,396.06	1,559.86
		For Class 52 Rating, Deduct	*-3,633.59*	
		For Class 54 Rating, Add	*4,983.26*	
		For Class 55 Rating, Add	*7,423.00*	
		For Class 56 Rating, Add	*9,829.71*	
40 05 19 00-3535	EA	36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,641.66	1,562.73
		For Class 52 Rating, Deduct	*-3,770.13*	
		For Class 54 Rating, Add	*5,169.50*	
		For Class 55 Rating, Add	*7,699.90*	
		For Class 56 Rating, Add	*10,196.03*	
40 05 19 00-3536	EA	36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,887.25	1,565.62
		For Class 52 Rating, Deduct	*-3,906.66*	
		For Class 54 Rating, Add	*5,355.73*	
		For Class 55 Rating, Add	*7,976.80*	
		For Class 56 Rating, Add	*10,562.35*	
40 05 19 00-3537	EA	36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,132.85	1,568.51
		For Class 52 Rating, Deduct	*-4,043.20*	
		For Class 54 Rating, Add	*5,541.97*	
		For Class 55 Rating, Add	*8,253.70*	
		For Class 56 Rating, Add	*10,928.67*	
40 05 19 00-3538	EA	36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,378.46	1,571.38
		For Class 52 Rating, Deduct	*-4,179.73*	
		For Class 54 Rating, Add	*5,728.21*	
		For Class 55 Rating, Add	*8,530.60*	
		For Class 56 Rating, Add	*11,295.00*	
40 05 19 00-3539	EA	36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,624.06	1,574.27
		For Class 52 Rating, Deduct	*-4,316.27*	
		For Class 54 Rating, Add	*5,914.44*	
		For Class 55 Rating, Add	*8,807.50*	
		For Class 56 Rating, Add	*11,661.32*	
40 05 19 00-3540	EA	36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,869.67	1,577.15
		For Class 52 Rating, Deduct	*-4,452.81*	
		For Class 54 Rating, Add	*6,100.68*	
		For Class 55 Rating, Add	*9,084.40*	
		For Class 56 Rating, Add	*12,027.64*	
40 05 19 00-3541	EA	36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,115.27	1,580.04
		For Class 52 Rating, Deduct	*-4,589.34*	
		For Class 54 Rating, Add	*6,286.92*	
		For Class 55 Rating, Add	*9,361.30*	
		For Class 56 Rating, Add	*12,393.96*	
40 05 19 00-3542	EA	36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,360.87	1,582.91
		For Class 52 Rating, Deduct	*-4,725.88*	
		For Class 54 Rating, Add	*6,473.16*	
		For Class 55 Rating, Add	*9,638.20*	
		For Class 56 Rating, Add	*12,760.28*	
40 05 19 00-3543	EA	36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,606.48	1,585.80
		For Class 52 Rating, Deduct	*-4,862.41*	
		For Class 54 Rating, Add	*6,659.40*	
		For Class 55 Rating, Add	*9,915.10*	
		For Class 56 Rating, Add	*13,126.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3544	EA	36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,852.07	1,588.69
		For Class 52 Rating, Deduct	*-4,998.95*	
		For Class 54 Rating, Add	*6,845.63*	
		For Class 55 Rating, Add	*10,192.00*	
		For Class 56 Rating, Add	*13,492.92*	
40 05 19 00-3545	EA	36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,097.68	1,591.56
		For Class 52 Rating, Deduct	*-5,135.48*	
		For Class 54 Rating, Add	*7,031.87*	
		For Class 55 Rating, Add	*10,468.90*	
		For Class 56 Rating, Add	*13,859.25*	
40 05 19 00-3546	EA	36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,343.28	1,594.45
		For Class 52 Rating, Deduct	*-5,272.02*	
		For Class 54 Rating, Add	*7,218.11*	
		For Class 55 Rating, Add	*10,745.80*	
		For Class 56 Rating, Add	*14,225.57*	
40 05 19 00-3547	EA	36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,588.88	1,597.34
		For Class 52 Rating, Deduct	*-5,408.55*	
		For Class 54 Rating, Add	*7,404.34*	
		For Class 55 Rating, Add	*11,022.70*	
		For Class 56 Rating, Add	*14,591.89*	
40 05 19 00-3548	EA	36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,834.49	1,600.22
		For Class 52 Rating, Deduct	*-5,545.09*	
		For Class 54 Rating, Add	*7,590.58*	
		For Class 55 Rating, Add	*11,299.60*	
		For Class 56 Rating, Add	*14,958.21*	
40 05 19 00-3549	EA	36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,080.09	1,603.10
		For Class 52 Rating, Deduct	*-5,681.63*	
		For Class 54 Rating, Add	*7,776.82*	
		For Class 55 Rating, Add	*11,576.50*	
		For Class 56 Rating, Add	*15,324.53*	

40 05 19 00-3550 42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*

40 05 19 00-3551	EA	42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,542.42	1,897.20
		For Class 52 Rating, Deduct	*-1,393.47*	
		For Class 54 Rating, Add	*1,934.68*	
		For Class 55 Rating, Add	*2,893.93*	
		For Class 56 Rating, Add	*3,840.51*	
40 05 19 00-3552	EA	42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,378.22	1,900.07
		For Class 52 Rating, Deduct	*-1,594.93*	
		For Class 54 Rating, Add	*2,209.44*	
		For Class 55 Rating, Add	*3,302.44*	
		For Class 56 Rating, Add	*4,380.94*	
40 05 19 00-3553	EA	42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,198.80	1,902.96
		For Class 52 Rating, Deduct	*-1,794.71*	
		For Class 54 Rating, Add	*2,481.93*	
		For Class 55 Rating, Add	*3,707.56*	
		For Class 56 Rating, Add	*4,916.88*	
40 05 19 00-3554	EA	42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,037.64	1,905.85
		For Class 52 Rating, Deduct	*-1,996.50*	
		For Class 54 Rating, Add	*2,757.15*	
		For Class 55 Rating, Add	*4,116.75*	
		For Class 56 Rating, Add	*5,458.21*	
40 05 19 00-3555	EA	42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,864.32	1,908.73
		For Class 52 Rating, Deduct	*-2,196.95*	
		For Class 54 Rating, Add	*3,030.55*	
		For Class 55 Rating, Add	*4,523.23*	
		For Class 56 Rating, Add	*5,995.94*	
40 05 19 00-3556	EA	42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,709.24	1,911.60
		For Class 52 Rating, Deduct	*-2,399.41*	
		For Class 54 Rating, Add	*3,306.69*	
		For Class 55 Rating, Add	*4,933.78*	
		For Class 56 Rating, Add	*6,539.06*	
40 05 19 00-3557	EA	42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,535.91	1,914.50
		For Class 52 Rating, Deduct	*-2,599.87*	
		For Class 54 Rating, Add	*3,580.08*	
		For Class 55 Rating, Add	*5,340.26*	
		For Class 56 Rating, Add	*7,076.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3558	EA	42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,383.88	1,917.38
		For Class 52 Rating, Deduct	*-2,802.66*	
		For Class 54 Rating, Add	*3,856.68*	
		For Class 55 Rating, Add	*5,751.49*	
		For Class 56 Rating, Add	*7,620.82*	
40 05 19 00-3559	EA	42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,213.58	1,920.26
		For Class 52 Rating, Deduct	*-3,003.45*	
		For Class 54 Rating, Add	*4,130.53*	
		For Class 55 Rating, Add	*6,158.64*	
		For Class 56 Rating, Add	*8,159.45*	
40 05 19 00-3560	EA	42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,064.59	1,923.14
		For Class 52 Rating, Deduct	*-3,206.58*	
		For Class 54 Rating, Add	*4,407.58*	
		For Class 55 Rating, Add	*6,570.55*	
		For Class 56 Rating, Add	*8,704.37*	
40 05 19 00-3561	EA	42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,894.31	1,926.03
		For Class 52 Rating, Deduct	*-3,407.37*	
		For Class 54 Rating, Add	*4,681.43*	
		For Class 55 Rating, Add	*6,977.71*	
		For Class 56 Rating, Add	*9,243.00*	
40 05 19 00-3562	EA	42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,745.32	1,928.91
		For Class 52 Rating, Deduct	*-3,610.50*	
		For Class 54 Rating, Add	*4,958.48*	
		For Class 55 Rating, Add	*7,389.61*	
		For Class 56 Rating, Add	*9,787.92*	
40 05 19 00-3563	EA	42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,578.07	1,931.79
		For Class 52 Rating, Deduct	*-3,811.62*	
		For Class 54 Rating, Add	*5,232.79*	
		For Class 55 Rating, Add	*7,797.44*	
		For Class 56 Rating, Add	*10,327.45*	
40 05 19 00-3564	EA	42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,413.87	1,934.68
		For Class 52 Rating, Deduct	*-4,013.08*	
		For Class 54 Rating, Add	*5,507.56*	
		For Class 55 Rating, Add	*8,205.96*	
		For Class 56 Rating, Add	*10,867.88*	
40 05 19 00-3565	EA	42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,261.84	1,937.56
		For Class 52 Rating, Deduct	*-4,215.88*	
		For Class 54 Rating, Add	*5,784.15*	
		For Class 55 Rating, Add	*8,617.19*	
		For Class 56 Rating, Add	*11,411.90*	
40 05 19 00-3566	EA	42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,094.60	1,940.45
		For Class 52 Rating, Deduct	*-4,417.00*	
		For Class 54 Rating, Add	*6,058.46*	
		For Class 55 Rating, Add	*9,025.02*	
		For Class 56 Rating, Add	*11,951.43*	
40 05 19 00-3567	EA	42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,948.65	1,943.33
		For Class 52 Rating, Deduct	*-4,620.46*	
		For Class 54 Rating, Add	*6,335.96*	
		For Class 55 Rating, Add	*9,437.61*	
		For Class 56 Rating, Add	*12,497.24*	
40 05 19 00-3568	EA	42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,784.44	1,946.21
		For Class 52 Rating, Deduct	*-4,821.92*	
		For Class 54 Rating, Add	*6,610.73*	
		For Class 55 Rating, Add	*9,846.12*	
		For Class 56 Rating, Add	*13,037.67*	
40 05 19 00-3569	EA	42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,635.45	1,949.09
		For Class 52 Rating, Deduct	*-5,025.05*	
		For Class 54 Rating, Add	*6,887.78*	
		For Class 55 Rating, Add	*10,258.02*	
		For Class 56 Rating, Add	*13,582.59*	
40 05 19 00-3570	EA	42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,471.24	1,951.97
		For Class 52 Rating, Deduct	*-5,226.51*	
		For Class 54 Rating, Add	*7,162.55*	
		For Class 55 Rating, Add	*10,666.54*	
		For Class 56 Rating, Add	*14,123.01*	
40 05 19 00-3571	EA	42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,325.30	1,954.86
		For Class 52 Rating, Deduct	*-5,429.97*	
		For Class 54 Rating, Add	*7,440.05*	
		For Class 55 Rating, Add	*11,079.12*	
		For Class 56 Rating, Add	*14,668.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3572	EA	42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,161.09	1,957.74
		For Class 52 Rating, Deduct	*-5,631.43*	
		For Class 54 Rating, Add	*7,714.82*	
		For Class 55 Rating, Add	*11,487.63*	
		For Class 56 Rating, Add	*15,209.26*	
40 05 19 00-3573	EA	42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,015.15	1,960.64
		For Class 52 Rating, Deduct	*-5,834.90*	
		For Class 54 Rating, Add	*7,992.32*	
		For Class 55 Rating, Add	*11,900.22*	
		For Class 56 Rating, Add	*15,755.07*	
40 05 19 00-3574	EA	42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,847.90	1,963.51
		For Class 52 Rating, Deduct	*-6,036.02*	
		For Class 54 Rating, Add	*8,266.63*	
		For Class 55 Rating, Add	*12,308.05*	
		For Class 56 Rating, Add	*16,294.60*	
40 05 19 00-3575	EA	42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,705.00	1,966.39
		For Class 52 Rating, Deduct	*-6,239.82*	
		For Class 54 Rating, Add	*8,544.59*	
		For Class 55 Rating, Add	*12,721.32*	
		For Class 56 Rating, Add	*16,841.31*	
40 05 19 00-3576	EA	42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,540.79	1,969.28
		For Class 52 Rating, Deduct	*-6,441.27*	
		For Class 54 Rating, Add	*8,819.36*	
		For Class 55 Rating, Add	*13,129.83*	
		For Class 56 Rating, Add	*17,381.74*	
40 05 19 00-3577	EA	42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,391.80	1,972.16
		For Class 52 Rating, Deduct	*-6,644.40*	
		For Class 54 Rating, Add	*9,096.41*	
		For Class 55 Rating, Add	*13,541.74*	
		For Class 56 Rating, Add	*17,926.66*	
40 05 19 00-3578	EA	42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,230.64	1,975.04
		For Class 52 Rating, Deduct	*-6,846.20*	
		For Class 54 Rating, Add	*9,371.63*	
		For Class 55 Rating, Add	*13,950.93*	
		For Class 56 Rating, Add	*18,467.98*	
40 05 19 00-3579	EA	42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,707.45	1,977.92
		For Class 52 Rating, Deduct	*-7,008.16*	
		For Class 54 Rating, Add	*9,592.55*	
		For Class 55 Rating, Add	*14,279.39*	
		For Class 56 Rating, Add	*18,902.51*	
40 05 19 00-3580	EA	42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,920.49	1,980.82
		For Class 52 Rating, Deduct	*-7,251.12*	
		For Class 54 Rating, Add	*9,923.90*	
		For Class 55 Rating, Add	*14,772.02*	
		For Class 56 Rating, Add	*19,554.23*	
40 05 19 00-3581	EA	42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,753.24	1,983.69
		For Class 52 Rating, Deduct	*-7,452.24*	
		For Class 54 Rating, Add	*10,198.21*	
		For Class 55 Rating, Add	*15,179.86*	
		For Class 56 Rating, Add	*20,093.76*	
40 05 19 00-3582	EA	42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	72,607.29	1,986.57
		For Class 52 Rating, Deduct	*-7,655.71*	
		For Class 54 Rating, Add	*10,475.72*	
		For Class 55 Rating, Add	*15,592.44*	
		For Class 56 Rating, Add	*20,639.57*	
40 05 19 00-3583	EA	42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,443.09	1,989.47
		For Class 52 Rating, Deduct	*-7,857.16*	
		For Class 54 Rating, Add	*10,750.48*	
		For Class 55 Rating, Add	*16,000.96*	
		For Class 56 Rating, Add	*21,180.00*	
40 05 19 00-3584	EA	42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,300.19	1,992.35
		For Class 52 Rating, Deduct	*-8,060.96*	
		For Class 54 Rating, Add	*11,028.45*	
		For Class 55 Rating, Add	*16,414.22*	
		For Class 56 Rating, Add	*21,726.71*	
40 05 19 00-3585	EA	42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,132.92	1,995.22
		For Class 52 Rating, Deduct	*-8,262.08*	
		For Class 54 Rating, Add	*11,302.76*	
		For Class 55 Rating, Add	*16,822.05*	
		For Class 56 Rating, Add	*22,266.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3586		48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe *(40 05 19 00-3082)*		
40 05 19 00-3587	EA	48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,086.56	2,384.46
		For Class 52 Rating, Deduct	*-1,812.11*	
		For Class 54 Rating, Add	*2,514.41*	
		For Class 55 Rating, Add	*3,760.35*	
		For Class 56 Rating, Add	*4,989.81*	
40 05 19 00-3588	EA	48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,725.51	2,387.35
		For Class 52 Rating, Deduct	*-2,101.91*	
		For Class 54 Rating, Add	*2,909.65*	
		For Class 55 Rating, Add	*4,347.97*	
		For Class 56 Rating, Add	*5,767.17*	
40 05 19 00-3589	EA	48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,373.59	2,390.24
		For Class 52 Rating, Deduct	*-2,392.72*	
		For Class 54 Rating, Add	*3,306.26*	
		For Class 55 Rating, Add	*4,937.62*	
		For Class 56 Rating, Add	*6,547.22*	
40 05 19 00-3590	EA	48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,049.04	2,393.12
		For Class 52 Rating, Deduct	*-2,686.54*	
		For Class 54 Rating, Add	*3,706.98*	
		For Class 55 Rating, Add	*5,533.37*	
		For Class 56 Rating, Add	*7,335.35*	
40 05 19 00-3591	EA	48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,718.41	2,396.00
		For Class 52 Rating, Deduct	*-2,979.69*	
		For Class 54 Rating, Add	*4,106.78*	
		For Class 55 Rating, Add	*6,127.77*	
		For Class 56 Rating, Add	*8,121.68*	
40 05 19 00-3592	EA	48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,390.83	2,398.89
		For Class 52 Rating, Deduct	*-3,273.18*	
		For Class 54 Rating, Add	*4,507.04*	
		For Class 55 Rating, Add	*6,722.85*	
		For Class 56 Rating, Add	*8,908.91*	
40 05 19 00-3593	EA	48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,081.49	2,401.77
		For Class 52 Rating, Deduct	*-3,568.67*	
		For Class 54 Rating, Add	*4,910.04*	
		For Class 55 Rating, Add	*7,322.00*	
		For Class 56 Rating, Add	*9,701.53*	
40 05 19 00-3594	EA	48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,766.07	2,404.64
		For Class 52 Rating, Deduct	*-3,863.49*	
		For Class 54 Rating, Add	*5,312.12*	
		For Class 55 Rating, Add	*7,919.80*	
		For Class 56 Rating, Add	*10,492.35*	
40 05 19 00-3595	EA	48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,444.57	2,407.53
		For Class 52 Rating, Deduct	*-4,157.65*	
		For Class 54 Rating, Add	*5,713.29*	
		For Class 55 Rating, Add	*8,516.23*	
		For Class 56 Rating, Add	*11,281.37*	
40 05 19 00-3596	EA	48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,147.41	2,410.42
		For Class 52 Rating, Deduct	*-4,454.48*	
		For Class 54 Rating, Add	*6,118.11*	
		For Class 55 Rating, Add	*9,118.09*	
		For Class 56 Rating, Add	*12,077.58*	
40 05 19 00-3597	EA	48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,838.07	2,413.30
		For Class 52 Rating, Deduct	*-4,749.97*	
		For Class 54 Rating, Add	*6,521.11*	
		For Class 55 Rating, Add	*9,717.24*	
		For Class 56 Rating, Add	*12,870.19*	
40 05 19 00-3598	EA	48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,543.95	2,416.18
		For Class 52 Rating, Deduct	*-5,047.14*	
		For Class 54 Rating, Add	*6,926.39*	
		For Class 55 Rating, Add	*10,319.78*	
		For Class 56 Rating, Add	*13,667.29*	
40 05 19 00-3599	EA	48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,231.58	2,419.07
		For Class 52 Rating, Deduct	*-5,342.30*	
		For Class 54 Rating, Add	*7,328.93*	
		For Class 55 Rating, Add	*10,918.26*	
		For Class 56 Rating, Add	*14,459.01*	
40 05 19 00-3600	EA	48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,925.29	2,421.95
		For Class 52 Rating, Deduct	*-5,638.12*	
		For Class 54 Rating, Add	*7,732.38*	
		For Class 55 Rating, Add	*11,518.08*	
		For Class 56 Rating, Add	*15,252.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3601	EA	48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,634.21	2,424.84
		For Class 52 Rating, Deduct	*-5,935.62*	
		For Class 54 Rating, Add	*8,138.12*	
		For Class 55 Rating, Add	*12,121.30*	
		For Class 56 Rating, Add	*16,050.53*	
40 05 19 00-3602	EA	48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	60,327.90	2,427.72
		For Class 52 Rating, Deduct	*-6,231.45*	
		For Class 54 Rating, Add	*8,541.57*	
		For Class 55 Rating, Add	*12,721.13*	
		For Class 56 Rating, Add	*16,844.04*	
40 05 19 00-3603	EA	48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,021.61	2,430.60
		For Class 52 Rating, Deduct	*-6,527.28*	
		For Class 54 Rating, Add	*8,945.03*	
		For Class 55 Rating, Add	*13,320.96*	
		For Class 56 Rating, Add	*17,637.55*	
40 05 19 00-3604	EA	48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	65,733.57	2,433.49
		For Class 52 Rating, Deduct	*-6,825.11*	
		For Class 54 Rating, Add	*9,351.22*	
		For Class 55 Rating, Add	*13,924.86*	
		For Class 56 Rating, Add	*18,436.45*	
40 05 19 00-3605	EA	48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,430.33	2,436.36
		For Class 52 Rating, Deduct	*-7,121.28*	
		For Class 54 Rating, Add	*9,755.13*	
		For Class 55 Rating, Add	*14,525.36*	
		For Class 56 Rating, Add	*19,230.86*	
40 05 19 00-3606	EA	48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,124.04	2,439.25
		For Class 52 Rating, Deduct	*-7,417.10*	
		For Class 54 Rating, Add	*10,158.58*	
		For Class 55 Rating, Add	*15,125.19*	
		For Class 56 Rating, Add	*20,024.37*	
40 05 19 00-3607	EA	48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,842.09	2,442.13
		For Class 52 Rating, Deduct	*-7,715.61*	
		For Class 54 Rating, Add	*10,565.69*	
		For Class 55 Rating, Add	*15,730.45*	
		For Class 56 Rating, Add	*20,825.06*	
40 05 19 00-3608	EA	48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,541.88	2,445.02
		For Class 52 Rating, Deduct	*-8,012.10*	
		For Class 54 Rating, Add	*10,970.05*	
		For Class 55 Rating, Add	*16,331.63*	
		For Class 56 Rating, Add	*21,620.37*	
40 05 19 00-3609	EA	48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,238.63	2,447.90
		For Class 52 Rating, Deduct	*-8,308.27*	
		For Class 54 Rating, Add	*11,373.96*	
		For Class 55 Rating, Add	*16,932.14*	
		For Class 56 Rating, Add	*22,414.78*	
40 05 19 00-3610	EA	48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,953.64	2,450.78
		For Class 52 Rating, Deduct	*-8,606.44*	
		For Class 54 Rating, Add	*11,780.61*	
		For Class 55 Rating, Add	*17,536.71*	
		For Class 56 Rating, Add	*23,214.58*	
40 05 19 00-3611	EA	48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,653.42	2,453.67
		For Class 52 Rating, Deduct	*-8,902.93*	
		For Class 54 Rating, Add	*12,184.97*	
		For Class 55 Rating, Add	*18,137.90*	
		For Class 56 Rating, Add	*24,009.88*	
40 05 19 00-3612	EA	48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	87,350.18	2,456.55
		For Class 52 Rating, Deduct	*-9,199.10*	
		For Class 54 Rating, Add	*12,588.89*	
		For Class 55 Rating, Add	*18,738.40*	
		For Class 56 Rating, Add	*24,804.29*	
40 05 19 00-3613	EA	48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	90,068.22	2,459.43
		For Class 52 Rating, Deduct	*-9,497.60*	
		For Class 54 Rating, Add	*12,995.99*	
		For Class 55 Rating, Add	*19,343.66*	
		For Class 56 Rating, Add	*25,604.98*	
40 05 19 00-3614	EA	48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	92,768.02	2,462.32
		For Class 52 Rating, Deduct	*-9,794.10*	
		For Class 54 Rating, Add	*13,400.36*	
		For Class 55 Rating, Add	*19,944.84*	
		For Class 56 Rating, Add	*26,400.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3615	EA	48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	95,148.38	2,465.21
		For Class 52 Rating, Deduct	*-10,055.46*	
		For Class 54 Rating, Add	*13,756.81*	
		For Class 55 Rating, Add	*20,474.79*	
		For Class 56 Rating, Add	*27,101.37*	
40 05 19 00-3616	EA	48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	98,188.90	2,468.08
		For Class 52 Rating, Deduct	*-10,389.43*	
		For Class 54 Rating, Add	*14,212.28*	
		For Class 55 Rating, Add	*21,151.96*	
		For Class 56 Rating, Add	*27,997.19*	
40 05 19 00-3617	EA	48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	100,885.66	2,470.96
		For Class 52 Rating, Deduct	*-10,685.59*	
		For Class 54 Rating, Add	*14,616.19*	
		For Class 55 Rating, Add	*21,752.47*	
		For Class 56 Rating, Add	*28,791.60*	
40 05 19 00-3618	EA	48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	103,609.79	2,473.85
		For Class 52 Rating, Deduct	*-10,984.77*	
		For Class 54 Rating, Add	*15,024.21*	
		For Class 55 Rating, Add	*22,359.08*	
		For Class 56 Rating, Add	*29,594.09*	
40 05 19 00-3619	EA	48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	106,306.54	2,476.73
		For Class 52 Rating, Deduct	*-11,280.93*	
		For Class 54 Rating, Add	*15,428.12*	
		For Class 55 Rating, Add	*22,959.59*	
		For Class 56 Rating, Add	*30,388.50*	
40 05 19 00-3620	EA	48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	109,003.28	2,479.61
		For Class 52 Rating, Deduct	*-11,577.09*	
		For Class 54 Rating, Add	*15,832.03*	
		For Class 55 Rating, Add	*23,560.09*	
		For Class 56 Rating, Add	*31,182.91*	
40 05 19 00-3621	EA	48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	111,727.42	2,482.50
		For Class 52 Rating, Deduct	*-11,876.27*	
		For Class 54 Rating, Add	*16,240.05*	
		For Class 55 Rating, Add	*24,166.70*	
		For Class 56 Rating, Add	*31,985.40*	

40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3623	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	810.38	139.11
40 05 19 00-3624	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,188.27	177.88
40 05 19 00-3625	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	1,699.36	201.49
40 05 19 00-3626	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	2,429.44	255.45
40 05 19 00-3627	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,029.21	283.27
40 05 19 00-3628	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	3,717.95	307.72
40 05 19 00-3629	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	4,565.55	379.37
40 05 19 00-3630	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	5,728.58	455.25
40 05 19 00-3631	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	7,000.83	573.28
40 05 19 00-3632	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	10,429.65	649.16
40 05 19 00-3633	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	16,195.93	859.93
40 05 19 00-3634	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	24,037.43	973.74
40 05 19 00-3635	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	41,060.99	1,112.85
40 05 19 00-3636	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow	54,326.73	1,365.76

40 05 19 00-3637 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3638	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	771.75	139.11
40 05 19 00-3639	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,124.45	177.88
40 05 19 00-3640	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	1,541.48	201.49
40 05 19 00-3641	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,204.38	255.45
40 05 19 00-3642	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	2,738.64	283.27
40 05 19 00-3643	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,192.23	307.72
40 05 19 00-3644	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	3,923.94	379.37
40 05 19 00-3645	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	4,996.27	455.25
40 05 19 00-3646	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	6,283.64	573.28
40 05 19 00-3647	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	8,257.93	649.16
40 05 19 00-3648	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	15,811.30	859.93
40 05 19 00-3649	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	23,523.47	973.74
40 05 19 00-3650	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	35,588.86	1,112.85
40 05 19 00-3651	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow	48,134.05	1,365.76

40 05 19 00-3652 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3653	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	770.07	139.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3654	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,102.61	177.88
40 05 19 00-3655	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	1,528.04	201.49
40 05 19 00-3656	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,152.31	255.45
40 05 19 00-3657	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	2,854.53	283.27
40 05 19 00-3658	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	3,546.63	307.72
40 05 19 00-3659	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	4,004.56	379.37
40 05 19 00-3660	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	5,093.69	455.25
40 05 19 00-3661	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	6,701.86	573.28
40 05 19 00-3662	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	9,223.70	649.16
40 05 19 00-3663	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	15,982.62	859.93
40 05 19 00-3664	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	23,914.82	973.74
40 05 19 00-3665	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	36,369.87	1,112.85
40 05 19 00-3666	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow	49,155.25	1,365.76
40 05 19 00-3667		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3668	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	835.57	139.11
40 05 19 00-3669	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,225.22	177.88
40 05 19 00-3670	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	1,578.43	201.49
40 05 19 00-3671	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	2,332.03	255.45
40 05 19 00-3672	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,188.77	283.27
40 05 19 00-3673	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	3,632.29	307.72
40 05 19 00-3674	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	4,365.68	379.37
40 05 19 00-3675	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	5,093.69	455.25
40 05 19 00-3676	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	6,701.86	573.28
40 05 19 00-3677	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	9,566.34	649.16
40 05 19 00-3678	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	16,150.58	859.93
40 05 19 00-3679	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	24,086.14	973.74
40 05 19 00-3680	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	36,549.59	1,112.85
40 05 19 00-3681	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow	49,518.04	1,365.76
40 05 19 00-3682		**Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows** *(40 05 19 00-2073)*		
40 05 19 00-3683	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,157.21	158.50
40 05 19 00-3684	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,494.22	170.30
40 05 19 00-3685	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,622.68	189.69
40 05 19 00-3686	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,232.12	197.28
40 05 19 00-3687	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,273.27	216.67
40 05 19 00-3688	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,440.62	228.47
40 05 19 00-3689	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,666.17	231.00
40 05 19 00-3690	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,977.99	242.81
40 05 19 00-3691	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,117.95	269.78
40 05 19 00-3692	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,105.64	242.81
40 05 19 00-3693	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,368.73	254.60
40 05 19 00-3694	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,651.47	281.58
40 05 19 00-3695	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,968.80	295.91
40 05 19 00-3696	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,574.78	278.63
40 05 19 00-3697	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,789.17	290.43
40 05 19 00-3698	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,219.72	317.41
40 05 19 00-3699	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,538.08	331.33
40 05 19 00-3700	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,798.47	343.55
40 05 19 00-3701	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,151.26	316.57
40 05 19 00-3702	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,807.38	328.38
40 05 19 00-3703	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,893.61	355.35
40 05 19 00-3704	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,111.20	369.26
40 05 19 00-3705	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,472.36	381.49
40 05 19 00-3706	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,865.92	417.32
40 05 19 00-3707	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,191.33	375.58
40 05 19 00-3708	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,474.59	387.39
40 05 19 00-3709	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,568.57	414.37
40 05 19 00-3710	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,767.68	428.27
40 05 19 00-3711	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,375.74	440.50
40 05 19 00-3712	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,188.17	476.33
40 05 19 00-3713	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,559.74	514.27
40 05 19 00-3714	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,185.39	413.53
40 05 19 00-3715	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,463.61	425.32
40 05 19 00-3716	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,927.75	452.30
40 05 19 00-3717	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,264.59	466.22
40 05 19 00-3718	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,914.63	478.44
40 05 19 00-3719	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,496.31	514.27
40 05 19 00-3720	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,657.94	552.21
40 05 19 00-3721	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,120.65	546.10
40 05 19 00-3722	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,216.79	571.59
40 05 19 00-3723	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,913.88	583.82
40 05 19 00-3724	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,622.57	619.65
40 05 19 00-3725	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,465.47	657.59
40 05 19 00-3726	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	22,047.17	716.60
40 05 19 00-3727	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,562.54	754.54

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3728	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,300.31	773.51
40 05 19 00-3729	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,272.54	811.45
40 05 19 00-3730	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,392.94	916.84
40 05 19 00-3731	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,599.19	843.06
40 05 19 00-3732	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,363.78	881.00
40 05 19 00-3733	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	32,328.62	986.38
40 05 19 00-3734	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	46,155.64	1,043.29
40 05 19 00-3735	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	44,147.15	1,018.00
40 05 19 00-3736	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	47,988.51	1,123.38
40 05 19 00-3737	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	49,359.63	1,180.29
40 05 19 00-3738	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	61,245.72	1,249.84

40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3740	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	953.14	139.11
40 05 19 00-3741	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,500.68	177.88
40 05 19 00-3742	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,230.11	201.49
40 05 19 00-3743	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,114.72	255.45
40 05 19 00-3744	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,359.45	283.27
40 05 19 00-3745	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,112.01	307.72
40 05 19 00-3746	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,515.57	379.37
40 05 19 00-3747	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,975.88	455.25
40 05 19 00-3748	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,650.60	573.28
40 05 19 00-3749	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,538.99	649.16
40 05 19 00-3750	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	26,920.18	859.93
40 05 19 00-3751	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	40,771.28	973.74
40 05 19 00-3752	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	62,828.61	1,112.85

40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbows *(40 05 19 00-2073)*

40 05 19 00-3754	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	2,002.54	158.50
40 05 19 00-3755	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,384.97	170.30
40 05 19 00-3756	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,192.26	189.69
40 05 19 00-3757	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,577.02	197.28
40 05 19 00-3758	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	3,953.22	216.67
40 05 19 00-3759	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	4,089.23	228.47
40 05 19 00-3760	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,284.06	231.00
40 05 19 00-3761	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,352.44	242.81
40 05 19 00-3762	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	6,393.31	269.78
40 05 19 00-3763	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	8,515.42	254.60
40 05 19 00-3764	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	12,121.71	281.58
40 05 19 00-3765	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	11,851.07	295.91
40 05 19 00-3766	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,633.45	290.43
40 05 19 00-3767	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	15,528.81	317.41
40 05 19 00-3768	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,486.77	331.33
40 05 19 00-3769	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	14,373.96	343.55
40 05 19 00-3770	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,298.98	369.26
40 05 19 00-3771	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,401.07	381.49
40 05 19 00-3772	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	17,538.94	417.32
40 05 19 00-3773	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,637.91	440.50
40 05 19 00-3774	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	24,098.18	476.33
40 05 19 00-3775	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	19,561.63	514.27
40 05 19 00-3776	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	35,926.40	478.44
40 05 19 00-3777	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	28,709.05	514.27
40 05 19 00-3778	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	21,494.90	552.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3779	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius Reducing 90 Degree Elbow	29,380.02	546.10

40 05 19 00-3780 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base *(40 05 19 00-2073)*

40 05 19 00-3781	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,000.17	139.11
40 05 19 00-3782	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,408.30	177.88
40 05 19 00-3783	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,292.26	201.49
40 05 19 00-3784	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,067.69	255.45
40 05 19 00-3785	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,102.48	283.27
40 05 19 00-3786	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,865.11	307.72
40 05 19 00-3787	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,929.38	379.37
40 05 19 00-3788	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,344.36	455.25
40 05 19 00-3789	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,490.00	573.28
40 05 19 00-3790	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,328.64	649.16
40 05 19 00-3791	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,506.83	859.93
40 05 19 00-3792	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,624.82	973.74
40 05 19 00-3793	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	53,938.49	1,112.85
40 05 19 00-3794	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	60,519.42	1,365.76

40 05 19 00-3795 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees *(40 05 19 00-2073)*

40 05 19 00-3796	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,227.01	223.41
40 05 19 00-3797	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,588.78	274.84
40 05 19 00-3798	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,299.09	306.88
40 05 19 00-3799	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,252.92	398.77
40 05 19 00-3800	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,354.25	435.02
40 05 19 00-3801	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,840.12	467.90
40 05 19 00-3802	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,309.19	590.14
40 05 19 00-3803	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,837.71	674.45
40 05 19 00-3804	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,859.46	851.49
40 05 19 00-3805	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,540.26	940.01
40 05 19 00-3806	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	23,907.75	1,298.32
40 05 19 00-3807	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	33,814.23	1,488.01
40 05 19 00-3808	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	72,347.86	1,719.85

40 05 19 00-3809 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees *(40 05 19 00-2073)*

40 05 19 00-3810	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	1,636.12	249.55
40 05 19 00-3811	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,124.15	254.60
40 05 19 00-3812	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,088.72	286.64
40 05 19 00-3813	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,831.83	281.58
40 05 19 00-3814	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,757.76	313.62
40 05 19 00-3815	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	2,874.08	333.85
40 05 19 00-3816	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,617.77	295.91
40 05 19 00-3817	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,572.25	327.96
40 05 19 00-3818	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	3,727.19	348.18
40 05 19 00-3819	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	4,297.52	413.10
40 05 19 00-3820	EA	14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,185.92	307.72
40 05 19 00-3821	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,059.78	339.75
40 05 19 00-3822	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,238.24	359.99
40 05 19 00-3823	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,434.01	424.90
40 05 19 00-3824	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,713.08	447.25
40 05 19 00-3825	EA	16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,259.72	343.55
40 05 19 00-3826	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,261.87	375.58
40 05 19 00-3827	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,381.54	395.82
40 05 19 00-3828	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,497.74	460.73
40 05 19 00-3829	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,812.72	483.07
40 05 19 00-3830	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,947.52	503.73
40 05 19 00-3831	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	5,876.98	413.53
40 05 19 00-3832	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,923.80	433.75
40 05 19 00-3833	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,872.66	498.67
40 05 19 00-3834	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	6,491.66	521.01
40 05 19 00-3835	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,009.40	541.67
40 05 19 00-3836	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,434.26	628.08
40 05 19 00-3837	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,391.74	472.54
40 05 19 00-3838	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,526.54	492.77
40 05 19 00-3839	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	8,784.45	557.69
40 05 19 00-3840	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,081.99	580.03
40 05 19 00-3841	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,165.36	600.68
40 05 19 00-3842	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,823.04	687.09
40 05 19 00-3843	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,997.44	733.46
40 05 19 00-3844	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	9,698.84	510.47
40 05 19 00-3845	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,075.49	530.71
40 05 19 00-3846	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	10,367.01	595.62
40 05 19 00-3847	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,492.60	617.97
40 05 19 00-3848	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	11,733.85	638.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3849	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	12,004.17	725.04
40 05 19 00-3850	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,512.57	771.40
40 05 19 00-3851	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	15,965.61	824.31
40 05 19 00-3852	EA	30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,222.27	615.86
40 05 19 00-3853	EA	30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,308.36	636.09
40 05 19 00-3854	EA	30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,746.00	701.01
40 05 19 00-3855	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,779.85	723.35
40 05 19 00-3856	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,811.14	744.00
40 05 19 00-3857	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	19,942.08	830.41
40 05 19 00-3858	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	20,571.65	876.78
40 05 19 00-3859	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	21,568.43	994.81
40 05 19 00-3860	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	26,297.57	1,045.40
40 05 19 00-3861	EA	36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,611.14	881.42
40 05 19 00-3862	EA	36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,860.49	897.44
40 05 19 00-3863	EA	36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	27,985.53	943.38
40 05 19 00-3864	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,182.64	961.51
40 05 19 00-3865	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,264.64	977.96
40 05 19 00-3866	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,468.11	1,039.08
40 05 19 00-3867	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,590.76	1,081.22
40 05 19 00-3868	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	28,948.28	1,169.75
40 05 19 00-3869	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	29,525.93	1,214.01
40 05 19 00-3870	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	38,192.02	1,393.16
40 05 19 00-3871	EA	42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	41,984.29	849.81
40 05 19 00-3872	EA	42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,077.73	870.46
40 05 19 00-3873	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,326.24	956.88
40 05 19 00-3874	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,456.95	1,003.25
40 05 19 00-3875	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	42,875.97	1,121.28
40 05 19 00-3876	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	43,434.66	1,171.86
40 05 19 00-3877	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	54,401.03	1,424.78
40 05 19 00-3878	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	69,454.92	1,557.56
40 05 19 00-3879	EA	48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,399.60	986.80
40 05 19 00-3880	EA	48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,430.89	1,007.46
40 05 19 00-3881	EA	48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,739.87	1,093.88
40 05 19 00-3882	EA	48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	56,810.12	1,140.24
40 05 19 00-3883	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,229.13	1,258.27
40 05 19 00-3884	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	57,729.03	1,308.85
40 05 19 00-3885	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee	58,953.72	1,561.77

40 05 19 00-3886 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base *(40 05 19 00-2073)*

40 05 19 00-3887	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,324.43	223.41
40 05 19 00-3888	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	1,872.63	274.84
40 05 19 00-3889	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	2,779.46	306.88
40 05 19 00-3890	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	4,163.26	398.77
40 05 19 00-3891	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	5,617.31	435.02
40 05 19 00-3892	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	6,332.24	467.90
40 05 19 00-3893	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	7,760.36	590.14
40 05 19 00-3894	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	9,381.26	674.45
40 05 19 00-3895	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	12,333.51	851.49
40 05 19 00-3896	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	17,768.45	940.01
40 05 19 00-3897	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	29,443.72	1,298.32
40 05 19 00-3898	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base	41,943.50	1,488.01

40 05 19 00-3899 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes *(40 05 19 00-2073)*

40 05 19 00-3900	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,080.88	223.41
40 05 19 00-3901	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	1,577.02	274.84
40 05 19 00-3902	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	2,337.72	306.88
40 05 19 00-3903	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	3,081.60	398.77
40 05 19 00-3904	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	4,666.66	435.02
40 05 19 00-3905	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye	6,253.30	467.90

40 05 19 00-3906 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses *(40 05 19 00-2073)*

40 05 19 00-3907	EA	4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,388.34	307.72
40 05 19 00-3908	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	1,958.05	333.43
40 05 19 00-3909	EA	6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,032.97	371.79
40 05 19 00-3910	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,532.38	338.91
40 05 19 00-3911	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,700.87	383.60
40 05 19 00-3912	EA	8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	2,759.40	412.26
40 05 19 00-3913	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,330.75	365.89
40 05 19 00-3914	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,594.97	410.58
40 05 19 00-3915	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	3,883.62	439.24
40 05 19 00-3916	EA	10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,672.67	542.09
40 05 19 00-3917	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,359.59	379.79
40 05 19 00-3918	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,524.72	424.48
40 05 19 00-3919	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	4,813.36	453.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3920	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,652.79	556.00
40 05 19 00-3921	EA	12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,299.68	586.77
40 05 19 00-3922	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,451.90	436.71
40 05 19 00-3923	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	5,740.55	465.38
40 05 19 00-3924	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,235.67	568.22
40 05 19 00-3925	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,725.70	598.99
40 05 19 00-3926	EA	14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,011.64	628.08
40 05 19 00-3927	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,508.91	472.54
40 05 19 00-3928	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,844.59	501.20
40 05 19 00-3929	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,341.39	604.05
40 05 19 00-3930	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,878.45	634.83
40 05 19 00-3931	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,809.76	663.92
40 05 19 00-3932	EA	16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,717.95	800.91
40 05 19 00-3933	EA	18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	6,840.17	510.47
40 05 19 00-3934	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,175.84	539.14
40 05 19 00-3935	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	7,575.22	641.99
40 05 19 00-3936	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,112.29	672.77
40 05 19 00-3937	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,229.62	701.85
40 05 19 00-3938	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,878.93	838.85
40 05 19 00-3939	EA	18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,252.53	893.65
40 05 19 00-3940	EA	20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	8,802.33	569.49
40 05 19 00-3941	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,161.52	598.15
40 05 19 00-3942	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	9,527.31	701.01
40 05 19 00-3943	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,099.66	731.78
40 05 19 00-3944	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	10,251.21	760.86
40 05 19 00-3945	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,247.57	897.86
40 05 19 00-3946	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,644.67	952.66
40 05 19 00-3947	EA	20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,650.27	1,129.70
40 05 19 00-3948	EA	24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,634.51	607.43
40 05 19 00-3949	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	11,891.25	636.09
40 05 19 00-3950	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,413.24	738.94
40 05 19 00-3951	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,775.64	769.71
40 05 19 00-3952	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	12,977.59	798.80
40 05 19 00-3953	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	13,552.99	935.80
40 05 19 00-3954	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	17,373.12	990.60
40 05 19 00-3955	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	18,224.62	1,102.52
40 05 19 00-3956	EA	24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	19,892.10	1,230.87
40 05 19 00-3957	EA	30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,854.61	875.10
40 05 19 00-3958	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	20,954.12	904.18
40 05 19 00-3959	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,554.71	1,041.18
40 05 19 00-3960	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	21,753.63	1,095.98
40 05 19 00-3961	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	22,639.97	1,273.02
40 05 19 00-3962	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,219.03	1,336.25
40 05 19 00-3963	EA	30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	32,699.58	1,736.71
40 05 19 00-3964	EA	36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,198.61	1,113.27
40 05 19 00-3965	EA	36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,236.30	1,138.13
40 05 19 00-3966	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,748.18	1,249.84
40 05 19 00-3967	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	29,935.68	1,300.42
40 05 19 00-3968	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,666.46	1,447.96
40 05 19 00-3969	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,654.62	1,504.86
40 05 19 00-3970	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,238.96	1,831.55
40 05 19 00-3971	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	46,107.09	2,002.27
40 05 19 00-3972	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,483.71	1,167.64
40 05 19 00-3973	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,628.87	1,222.44
40 05 19 00-3974	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	44,471.54	1,399.49
40 05 19 00-3975	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,524.73	1,462.71
40 05 19 00-3976	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,631.05	1,863.17
40 05 19 00-3977	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	79,794.39	2,071.83
40 05 19 00-3978	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,219.41	1,536.49
40 05 19 00-3979	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	60,272.58	1,599.71
40 05 19 00-3980	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	62,602.61	2,000.17

40 05 19 00-3981 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers *(40 05 19 00-2073)*

40 05 19 00-3982	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	990.93	158.50
40 05 19 00-3983	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,319.54	170.30
40 05 19 00-3984	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,402.65	189.69
40 05 19 00-3985	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,760.15	197.28
40 05 19 00-3986	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,752.59	216.67
40 05 19 00-3987	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,968.65	228.47
40 05 19 00-3988	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,247.12	211.61
40 05 19 00-3989	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,281.54	231.00
40 05 19 00-3990	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,442.20	242.81
40 05 19 00-3991	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,654.39	269.78
40 05 19 00-3992	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,764.68	242.81
40 05 19 00-3993	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,979.06	254.60
40 05 19 00-3994	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,187.90	281.58
40 05 19 00-3995	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,095.41	295.91
40 05 19 00-3996	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,284.21	278.63
40 05 19 00-3997	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,130.77	290.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3998	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,381.60	317.41
40 05 19 00-3999	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,785.62	331.33
40 05 19 00-4000	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,259.32	343.55
40 05 19 00-4001	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,974.30	328.38
40 05 19 00-4002	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,260.40	355.35
40 05 19 00-4003	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,219.33	369.26
40 05 19 00-4004	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,738.38	381.49
40 05 19 00-4005	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,690.20	417.32
40 05 19 00-4006	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,843.06	387.39
40 05 19 00-4007	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,145.94	414.37
40 05 19 00-4008	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,022.58	428.27
40 05 19 00-4009	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,660.87	440.50
40 05 19 00-4010	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,323.81	476.33
40 05 19 00-4011	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,353.78	514.27
40 05 19 00-4012	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,017.40	452.30
40 05 19 00-4013	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,584.35	466.22
40 05 19 00-4014	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,743.95	478.44
40 05 19 00-4015	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,924.85	514.27
40 05 19 00-4016	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,131.18	552.21
40 05 19 00-4017	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,541.82	546.10
40 05 19 00-4018	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,614.41	619.65
40 05 19 00-4019	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,012.85	657.59
40 05 19 00-4020	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,779.14	716.60
40 05 19 00-4021	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,961.95	754.54
40 05 19 00-4022	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,457.24	676.56
40 05 19 00-4023	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,692.77	714.49
40 05 19 00-4024	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,726.12	773.51
40 05 19 00-4025	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,651.96	811.45
40 05 19 00-4026	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,183.23	916.84
40 05 19 00-4027	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,855.33	881.00
40 05 19 00-4028	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,902.23	986.38
40 05 19 00-4029	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,414.84	1,043.29
40 05 19 00-4030	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	34,249.27	1,018.00
40 05 19 00-4031	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	36,280.02	1,123.38
40 05 19 00-4032	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	40,274.67	1,180.29
40 05 19 00-4033	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	44,830.98	1,249.84

40 05 19 00-4034 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers *(40 05 19 00-2073)*

40 05 19 00-4035	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,059.79	158.50
40 05 19 00-4036	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,398.48	170.30
40 05 19 00-4037	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,523.59	189.69
40 05 19 00-4038	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,760.15	197.28
40 05 19 00-4039	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,836.57	216.67
40 05 19 00-4040	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,049.27	228.47
40 05 19 00-4041	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,247.12	211.61
40 05 19 00-4042	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,375.60	231.00
40 05 19 00-4043	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,539.61	242.81
40 05 19 00-4044	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,824.02	269.78
40 05 19 00-4045	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,764.68	242.81
40 05 19 00-4046	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,928.67	254.60
40 05 19 00-4047	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,164.39	281.58
40 05 19 00-4048	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,528.75	295.91
40 05 19 00-4049	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,284.21	278.63
40 05 19 00-4050	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,495.24	290.43
40 05 19 00-4051	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,783.02	317.41
40 05 19 00-4052	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,096.34	331.33
40 05 19 00-4053	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,259.32	343.55
40 05 19 00-4054	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	3,974.30	328.38
40 05 19 00-4055	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,260.40	355.35
40 05 19 00-4056	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,572.04	369.26
40 05 19 00-4057	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	4,738.38	381.49
40 05 19 00-4058	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,084.91	417.32
40 05 19 00-4059	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,105.07	387.39
40 05 19 00-4060	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,330.70	414.37
40 05 19 00-4061	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,536.54	428.27
40 05 19 00-4062	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	5,660.87	440.50
40 05 19 00-4063	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,081.31	476.33
40 05 19 00-4064	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	6,348.74	514.27
40 05 19 00-4065	EA	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,208.31	425.32
40 05 19 00-4066	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,138.33	452.30
40 05 19 00-4067	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,265.23	466.22
40 05 19 00-4068	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,387.87	478.44
40 05 19 00-4069	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	7,810.00	514.27
40 05 19 00-4070	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,131.18	552.21
40 05 19 00-4071	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	8,541.82	546.10
40 05 19 00-4072	EA	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	14,343.21	583.82
40 05 19 00-4073	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,364.55	619.65
40 05 19 00-4074	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,068.27	657.59
40 05 19 00-4075	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	12,779.14	716.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4076	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	13,961.95	754.54
40 05 19 00-4077	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	15,476.36	676.56
40 05 19 00-4078	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	16,114.99	714.49
40 05 19 00-4079	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	17,049.24	773.51
40 05 19 00-4080	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	18,593.17	811.45
40 05 19 00-4081	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	21,480.52	916.84
40 05 19 00-4082	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	25,855.33	881.00
40 05 19 00-4083	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	28,902.23	986.38
40 05 19 00-4084	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	32,414.84	1,043.29
40 05 19 00-4085	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	36,280.02	1,123.38
40 05 19 00-4086	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	40,274.67	1,180.29
40 05 19 00-4087	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	44,830.98	1,249.84

40 05 19 00-4088 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges *(40 05 19 00-2073)*

40 05 19 00-4089	EA	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	491.17	54.80
40 05 19 00-4090	EA	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	747.44	80.94
40 05 19 00-4091	EA	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	998.86	96.11
40 05 19 00-4092	EA	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,454.78	112.13
40 05 19 00-4093	EA	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	1,929.26	131.52
40 05 19 00-4094	EA	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	2,660.63	147.53
40 05 19 00-4095	EA	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	3,214.93	168.61
40 05 19 00-4096	EA	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	4,326.55	236.05
40 05 19 00-4097	EA	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	5,810.04	295.07
40 05 19 00-4098	EA	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	8,522.66	358.30
40 05 19 00-4099	EA	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	12,360.94	417.32
40 05 19 00-4100	EA	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	23,202.80	459.47
40 05 19 00-4101	EA	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	33,280.12	505.84
40 05 19 00-4102	EA	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange	44,373.94	569.07

40 05 19 00-4103 Ductile Iron Bolt Packs *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4104	EA	4" Pipe Diameter, Ductile Iron Flange Bolt Pack	37.51
		Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*10.50*
		For Hot Dip Galvanized, Add	*15.00*
40 05 19 00-4105	EA	6" Pipe Diameter, Ductile Iron Flange Bolt Pack	57.88
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*16.21*
		For Hot Dip Galvanized, Add	*23.15*
40 05 19 00-4106	EA	8" Pipe Diameter, Ductile Iron Flange Bolt Pack	62.85
		Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*17.60*
		For Hot Dip Galvanized, Add	*25.14*
40 05 19 00-4107	EA	10" Pipe Diameter, Ductile Iron Flange Bolt Pack	141.17
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*39.53*
		For Hot Dip Galvanized, Add	*56.47*
40 05 19 00-4108	EA	12" Pipe Diameter, Ductile Iron Flange Bolt Pack	142.41
		Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*39.87*
		For Hot Dip Galvanized, Add	*56.96*
40 05 19 00-4109	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack	159.55
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*44.67*
		For Hot Dip Galvanized, Add	*63.82*
40 05 19 00-4110	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack	268.23
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*75.10*
		For Hot Dip Galvanized, Add	*107.29*
40 05 19 00-4111	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack	389.66
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*109.10*
		For Hot Dip Galvanized, Add	*155.86*
40 05 19 00-4112	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack	492.00
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*137.76*
		For Hot Dip Galvanized, Add	*196.80*
40 05 19 00-4113	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack	703.96
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*197.11*
		For Hot Dip Galvanized, Add	*281.58*
40 05 19 00-4114	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,112.37
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*311.46*
		For Hot Dip Galvanized, Add	*444.95*
40 05 19 00-4115	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack	1,586.82
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.	
		For Zinc Plated, Add	*444.31*
		For Hot Dip Galvanized, Add	*634.73*

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4116	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.	2,041.39	
		For Zinc Plated, Add	*571.59*	
		For Hot Dip Galvanized, Add	*816.56*	
40 05 19 00-4117	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.	2,495.03	
		For Zinc Plated, Add	*698.61*	
		For Hot Dip Galvanized, Add	*998.01*	

40 05 19 00-4118 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 *(40 05 19)*

Note: Labor installation is included with pipe fittings or valves.

40 05 19 00-4119 Full Face Flange Styrene Butadiene (SBR) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4120	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	8.24
40 05 19 00-4121	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	10.48
40 05 19 00-4122	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	14.23
40 05 19 00-4123	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	16.47
40 05 19 00-4124	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	17.97
40 05 19 00-4125	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	29.95
40 05 19 00-4126	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	36.69
40 05 19 00-4127	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	38.94
40 05 19 00-4128	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	59.90
40 05 19 00-4129	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	64.39
40 05 19 00-4130	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	83.11
40 05 19 00-4131	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	95.09
40 05 19 00-4132	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	101.83
40 05 19 00-4133	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick	111.56

40 05 19 00-4134 Full Face Flange Nitrile Buna-N (NBR) Gaskets *(40 05 19 00-4118)*

Note: (Acrylonitrile Butadiene)

40 05 19 00-4135	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	25.46
40 05 19 00-4136	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	35.94
40 05 19 00-4137	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	55.41
40 05 19 00-4138	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	60.65
40 05 19 00-4139	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	65.14
40 05 19 00-4140	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	122.80
40 05 19 00-4141	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	151.25
40 05 19 00-4142	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	152.00
40 05 19 00-4143	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	157.99
40 05 19 00-4144	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	166.97
40 05 19 00-4145	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	184.94
40 05 19 00-4146	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	203.66
40 05 19 00-4147	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	289.77
40 05 19 00-4148	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick	316.72

40 05 19 00-4149 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets *(40 05 19 00-4118)*

40 05 19 00-4150	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	22.46
40 05 19 00-4151	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	29.20
40 05 19 00-4152	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	39.68
40 05 19 00-4153	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	46.42
40 05 19 00-4154	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	51.66
40 05 19 00-4155	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	85.36
40 05 19 00-4156	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	102.58
40 05 19 00-4157	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	103.33
40 05 19 00-4158	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	105.57
40 05 19 00-4159	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	122.80
40 05 19 00-4160	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	150.50
40 05 19 00-4161	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	171.46
40 05 19 00-4162	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	245.59
40 05 19 00-4163	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick	271.05

40 05 19 00-4164 Full Face Flange Neoprene Gaskets *(40 05 19 00-4118)*

Note: (Polychloroprene)

40 05 19 00-4165	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick	26.21
40 05 19 00-4166	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick	36.69
40 05 19 00-4167	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick	56.16
40 05 19 00-4168	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick	60.65
40 05 19 00-4169	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick	65.14
40 05 19 00-4170	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick	86.86
40 05 19 00-4171	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick	152.74
40 05 19 00-4172	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick	153.49
40 05 19 00-4173	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick	162.48
40 05 19 00-4174	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick	164.72
40 05 19 00-4175	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick	178.95
40 05 19 00-4176	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick	201.41
40 05 19 00-4177	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick	292.01
40 05 19 00-4178	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick	319.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4179		Full Face Flange FKM Gaskets *(40 05 19 00-4118)*		
		Note: (Fluoroelastomer Fluorel Viton®)		
40 05 19 00-4180	EA	4" Full Face Flange FKM Gasket, 1/8" Thick	141.16	
40 05 19 00-4181	EA	6" Full Face Flange FKM Gasket, 1/8" Thick	210.18	
40 05 19 00-4182	EA	8" Full Face Flange FKM Gasket, 1/8" Thick	280.76	
40 05 19 00-4183	EA	10" Full Face Flange FKM Gasket, 1/8" Thick	338.80	
40 05 19 00-4184	EA	12" Full Face Flange FKM Gasket, 1/8" Thick	440.75	
40 05 19 00-4185	EA	14" Full Face Flange FKM Gasket, 1/8" Thick	806.21	
40 05 19 00-4186	EA	16" Full Face Flange FKM Gasket, 1/8" Thick	923.85	
40 05 19 00-4187	EA	18" Full Face Flange FKM Gasket, 1/8" Thick	967.76	
40 05 19 00-4188	EA	20" Full Face Flange FKM Gasket, 1/8" Thick	1,032.07	
40 05 19 00-4189	EA	24" Full Face Flange FKM Gasket, 1/8" Thick	1,427.34	
40 05 19 00-4190	EA	30" Full Face Flange FKM Gasket, 1/8" Thick	1,711.23	
40 05 19 00-4191	EA	36" Full Face Flange FKM Gasket, 1/8" Thick	1,805.34	
40 05 19 00-4192	EA	42" Full Face Flange FKM Gasket, 1/8" Thick	2,250.80	
40 05 19 00-4193	EA	48" Full Face Flange FKM Gasket, 1/8" Thick	2,359.02	
40 05 19 00-4194		Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) *(40 05 19)*		
40 05 19 00-4195	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	414.56	76.85
40 05 19 00-4196	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	575.76	93.81
40 05 19 00-4197	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	853.56	114.43
40 05 19 00-4198	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,173.24	139.59
40 05 19 00-4199	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	1,489.85	170.21
40 05 19 00-4200	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	2,397.06	207.67
40 05 19 00-4201	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,773.62	253.44
40 05 19 00-4202	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	3,893.86	309.12
40 05 19 00-4203	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	4,770.70	377.20
40 05 19 00-4204	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	5,313.40	460.09
40 05 19 00-4205	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	6,849.55	561.42
40 05 19 00-4206	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	10,190.68	684.83
40 05 19 00-4207	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	26,616.93	835.58
40 05 19 00-4208	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100)	34,000.87	1,019.34

40 05 23 Stainless Steel Process Pipe and Tubing *(40 05)*

40 05 23 23 300- and 400-Series Stainless Steel Process Pipe *(40 05 23)*

40 05 23 23-0001		Schedule 40 Pipe, Type 304, With 150 Lb. Screwed Fittings Assembly *(40 05 23 23)*		
		Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.		
40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	31.27	10.07
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*2.87*	
		For Work In Restricted Working Space, Add	*6.07*	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	35.62	11.55
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.01*	
		For Work In Restricted Working Space, Add	*7.22*	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	41.46	13.02
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*3.52*	
		For Work In Restricted Working Space, Add	*8.37*	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	47.16	15.73
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*4.45*	
		For Work In Restricted Working Space, Add	*9.02*	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	51.80	16.18
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*5.09*	
		For Work In Restricted Working Space, Add	*9.66*	
40 05 23 23-0007	LF	2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	62.70	21.39
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*6.21*	
		For Work In Restricted Working Space, Add	*11.65*	
40 05 23 23-0008	LF	2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	89.15	26.37
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*10.68*	
		For Work In Restricted Working Space, Add	*14.42*	
40 05 23 23-0009	LF	3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	112.31	30.55
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Type 316, Add	*13.91*	
		For Work In Restricted Working Space, Add	*17.65*	
40 05 23 23-0010	LF	4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 Lb. Screwed Fitting Assembly	151.65	30.55
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		For Work In Restricted Working Space, Add	*22.39*	
40 05 23 23-0011		Stainless Steel Tubing And Fittings *(40 05 23 23)*		
40 05 23 23-0012		Type 304 Tubing *(40 05 23 23-0011)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0013		0.035" Wall *(40 05 23 23-0012)*		
40 05 23 23-0014	LF	1/4", 0.035" Wall, Type 304, Stainless Steel Tubing	8.70	3.32
		For Work In Restricted Working Space, Add	*1.98*	
40 05 23 23-0015	LF	3/8", 0.035" Wall, Type 304, Stainless Steel Tubing	10.11	3.94
		For Work In Restricted Working Space, Add	*2.37*	
40 05 23 23-0016	LF	1/2", 0.035" Wall, Type 304, Stainless Steel Tubing	12.06	4.67
		For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0017	LF	5/8", 0.035" Wall, Type 304, Stainless Steel Tubing	19.14	5.29
		For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0018	LF	3/4", 0.035" Wall, Type 304, Stainless Steel Tubing	22.63	5.90
		For Work In Restricted Working Space, Add	*3.56*	
40 05 23 23-0019	LF	7/8", 0.035" Wall, Type 304, Stainless Steel Tubing	25.05	6.64
		For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0020	LF	1", 0.035" Wall, Type 304, Stainless Steel Tubing	28.12	7.99
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0021		0.049" Wall *(40 05 23 23-0012)*		
40 05 23 23-0022	LF	1/4", 0.049" Wall, Type 304, Stainless Steel Tubing	14.14	3.94
		For Work In Restricted Working Space, Add	*2.37*	
40 05 23 23-0023	LF	3/8", 0.049" Wall, Type 304, Stainless Steel Tubing	15.81	4.67
		For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0024	LF	1/2", 0.049" Wall, Type 304, Stainless Steel Tubing	18.95	5.29
		For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0025	LF	5/8", 0.049" Wall, Type 304, Stainless Steel Tubing	23.97	6.64
		For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0026	LF	3/4", 0.049" Wall, Type 304, Stainless Steel Tubing	27.51	7.99
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0027	LF	7/8", 0.049" Wall, Type 304, Stainless Steel Tubing	30.97	9.22
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0028	LF	1", 0.049" Wall, Type 304, Stainless Steel Tubing	35.70	10.45
		For Work In Restricted Working Space, Add	*6.30*	
40 05 23 23-0029		0.065" Wall *(40 05 23 23-0012)*		
40 05 23 23-0030	LF	1/4", 0.065" Wall, Type 304, Stainless Steel Tubing	16.52	4.67
		For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0031	LF	3/8", 0.065" Wall, Type 304, Stainless Steel Tubing	19.00	5.29
		For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0032	LF	1/2", 0.065" Wall, Type 304, Stainless Steel Tubing	23.45	6.64
		For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0033	LF	5/8", 0.065" Wall, Type 304, Stainless Steel Tubing	27.60	7.99
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0034	LF	3/4", 0.065" Wall, Type 304, Stainless Steel Tubing	32.52	9.22
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0035	LF	7/8", 0.065" Wall, Type 304, Stainless Steel Tubing	37.34	10.45
		For Work In Restricted Working Space, Add	*6.30*	
40 05 23 23-0036	LF	1", 0.065" Wall, Type 304, Stainless Steel Tubing	42.09	11.80
		For Work In Restricted Working Space, Add	*7.09*	
40 05 23 23-0037		Type 304 Tube Fittings *(40 05 23 23-0011)*		
40 05 23 23-0038		90 Degree Elbows *(40 05 23 23-0037)*		
40 05 23 23-0039	EA	1/4", Type 304, Stainless Steel, 90 Degree Elbow	52.98	13.28
		For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0040	EA	3/8", Type 304, Stainless Steel, 90 Degree Elbow	62.39	14.51
		For Work In Restricted Working Space, Add	*8.68*	
40 05 23 23-0041	EA	1/2", Type 304, Stainless Steel, 90 Degree Elbow	92.79	16.35
		For Work In Restricted Working Space, Add	*9.83*	
40 05 23 23-0042	EA	5/8", Type 304, Stainless Steel, 90 Degree Elbow	99.30	18.31
		For Work In Restricted Working Space, Add	*11.01*	
40 05 23 23-0043	EA	3/4", Type 304, Stainless Steel, 90 Degree Elbow	110.92	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0044	EA	7/8", Type 304, Stainless Steel, 90 Degree Elbow	150.36	22.01
		For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0045	EA	1", Type 304, Stainless Steel, 90 Degree Elbow	191.08	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0046		Union Tees *(40 05 23 23-0037)*		
40 05 23 23-0047	EA	1/4", Type 304, Stainless Steel, Union Tee	83.80	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0048	EA	3/8", Type 304, Stainless Steel, Union Tee	101.17	22.01
		For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0049	EA	1/2", Type 304, Stainless Steel, Union Tee	137.02	24.59
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 23-0050	EA	5/8", Type 304, Stainless Steel, Union Tee	147.76	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0051	EA	3/4", Type 304, Stainless Steel, Union Tee	187.49	29.99
		For Work In Restricted Working Space, Add	*17.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0052	EA	7/8", Type 304, Stainless Steel, Union Tee	294.64	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0053	EA	1", Type 304, Stainless Steel, Union Tee	353.09	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0054		**Unions** *(40 05 23 23-0037)*		
40 05 23 23-0055	EA	1/4", Type 304, Stainless Steel, Union	80.28	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0056	EA	3/8", Type 304, Stainless Steel, Union	103.15	22.01
		For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0057	EA	1/2", Type 304, Stainless Steel, Union	138.32	24.59
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 23-0058	EA	5/8", Type 304, Stainless Steel, Union	168.16	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0059	EA	3/4", Type 304, Stainless Steel, Union	199.90	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0060	EA	7/8", Type 304, Stainless Steel, Union	304.55	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0061	EA	1", Type 304, Stainless Steel, Union	325.03	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0062		**Male Connectors** *(40 05 23 23-0037)*		
40 05 23 23-0063	EA	1/4" x 1/4", Type 304, Stainless Steel, Male Connection	40.41	13.28
		For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0064	EA	3/8" x 3/8", Type 304, Stainless Steel, Male Connection	50.03	14.51
		For Work In Restricted Working Space, Add	*8.68*	
40 05 23 23-0065	EA	1/2" x 1/2", Type 304, Stainless Steel, Male Connection	64.36	16.35
		For Work In Restricted Working Space, Add	*9.83*	
40 05 23 23-0066	EA	5/8" x 5/8" Male Connection, Stainless Steel Type 304	72.50	18.31
		For Work In Restricted Working Space, Add	*11.01*	
40 05 23 23-0067	EA	3/4" x 3/4", Type 304, Stainless Steel, Male Connection	87.10	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0068	EA	7/8" x 7/8", Type 304, Stainless Steel, Male Connection	129.47	22.01
		For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0069	EA	1" x 1", Type 304, Stainless Steel, Male Connection	136.28	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0070		**Type 304 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0071		**Gate Valves** *(40 05 23 23-0070)*		
40 05 23 23-0072	EA	1/4" Gate Valve, Stainless Steel Type 304	233.16	19.80
		For Work In Restricted Working Space, Add	*10.74*	
40 05 23 23-0073	EA	3/8" Gate Valve, Stainless Steel Type 304	393.56	23.24
		For Work In Restricted Working Space, Add	*11.31*	
40 05 23 23-0074	EA	1/2" Gate Valve, Stainless Steel Type 304	408.19	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0075	EA	3/4" Gate Valve, Stainless Steel Type 304	452.44	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0076	EA	1" Gate Valve, Stainless Steel Type 304	414.60	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0077		**Globe Valves** *(40 05 23 23-0070)*		
40 05 23 23-0078	EA	1/4" Globe Valve, Stainless Steel Type 304	236.39	19.80
		For Work In Restricted Working Space, Add	*10.74*	
40 05 23 23-0079	EA	3/8" Globe Valve, Stainless Steel Type 304	155.75	23.24
		For Work In Restricted Working Space, Add	*11.31*	
40 05 23 23-0080	EA	1/2" Globe Valve, Stainless Steel Type 304	280.28	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0081	EA	3/4" Globe Valve, Stainless Steel Type 304	311.96	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0082	EA	1" Globe Valve, Stainless Steel Type 304	455.31	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0083		**Check Valves** *(40 05 23 23-0070)*		
40 05 23 23-0084	EA	1/4" Check Valve, Stainless Steel Type 304	331.42	19.80
		For Work In Restricted Working Space, Add	*10.74*	
40 05 23 23-0085	EA	3/8" Check Valve, Stainless Steel Type 304	333.31	23.24
		For Work In Restricted Working Space, Add	*11.31*	
40 05 23 23-0086	EA	1/2" Check Valve, Stainless Steel Type 304	217.56	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0087	EA	3/4" Check Valve, Stainless Steel Type 304	227.62	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0088	EA	1" Check Valve, Stainless Steel Type 304	251.75	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0089		**Plug Valves** *(40 05 23 23-0070)*		

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	MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0090		EA	1/2" Plug Valve, Stainless Steel Type 304	512.71	26.19
			For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0091		EA	3/4" Plug Valve, Stainless Steel Type 304	561.29	29.99
			For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0092		EA	1" Plug Valve, Stainless Steel Type 304	635.19	39.71
			For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0093		EA	1-1/2" Plug Valve, Stainless Steel Type 304	882.81	44.88
			For Work In Restricted Working Space, Add	*26.92*	
40 05 23 23-0094		EA	2" Plug Valve, Stainless Steel Type 304	1,149.42	61.47
			For Work In Restricted Working Space, Add	*36.89*	
40 05 23 23-0095			Type 316 Tubing *(40 05 23 23-0011)*		
40 05 23 23-0096			0.035" Wall *(40 05 23 23-0095)*		
40 05 23 23-0097		LF	1/4" Stainless Steel Tubing, Type 316, 0.035" Wall	9.02	3.32
			For Work In Restricted Working Space, Add	*1.98*	
40 05 23 23-0098		LF	3/8" Stainless Steel Tubing, Type 316, 0.035" Wall	11.68	3.94
			For Work In Restricted Working Space, Add	*2.37*	
40 05 23 23-0099		LF	1/2" Stainless Steel Tubing, Type 316, 0.035" Wall	13.02	4.67
			For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0100		LF	5/8" Stainless Steel Tubing, Type 316, 0.035" Wall	21.68	5.29
			For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0101		LF	3/4" Stainless Steel Tubing, Type 316, 0.035" Wall	24.60	5.90
			For Work In Restricted Working Space, Add	*3.56*	
40 05 23 23-0102		LF	7/8" Stainless Steel Tubing, Type 316, 0.035" Wall	31.10	6.64
			For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0103		LF	1" Stainless Steel Tubing, Type 316, 0.035" Wall	32.81	7.99
			For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0104			0.049" Wall *(40 05 23 23-0095)*		
40 05 23 23-0105		LF	1/4" Stainless Steel Tubing, Type 316, 0.049" Wall	15.50	3.94
			For Work In Restricted Working Space, Add	*2.37*	
40 05 23 23-0106		LF	3/8" Stainless Steel Tubing, Type 316, 0.049" Wall	17.24	4.67
			For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0107		LF	1/2" Stainless Steel Tubing, Type 316, 0.049" Wall	20.29	5.29
			For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0108		LF	5/8" Stainless Steel Tubing, Type 316, 0.049" Wall	26.43	6.64
			For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0109		LF	3/4" Stainless Steel Tubing, Type 316, 0.049" Wall	30.57	7.99
			For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0110		LF	7/8" Stainless Steel Tubing, Type 316, 0.049" Wall	38.85	9.22
			For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0111		LF	1" Stainless Steel Tubing, Type 316, 0.049" Wall	39.84	10.45
			For Work In Restricted Working Space, Add	*6.30*	
40 05 23 23-0112			0.065" Wall *(40 05 23 23-0095)*		
40 05 23 23-0113		LF	1/4" Stainless Steel Tubing, Type 316, 0.065" Wall	18.13	4.67
			For Work In Restricted Working Space, Add	*2.77*	
40 05 23 23-0114		LF	3/8" Stainless Steel Tubing, Type 316, 0.065" Wall	20.24	5.29
			For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0115		LF	1/2" Stainless Steel Tubing, Type 316, 0.065" Wall	25.39	6.64
			For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0116		LF	5/8" Stainless Steel Tubing, Type 316, 0.065" Wall	30.27	7.99
			For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0117		LF	3/4" Stainless Steel Tubing, Type 316, 0.065" Wall	36.62	9.22
			For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0118		LF	7/8" Stainless Steel Tubing, Type 316, 0.065" Wall	40.38	10.45
			For Work In Restricted Working Space, Add	*6.30*	
40 05 23 23-0119		LF	1" Stainless Steel Tubing, Type 316, 0.065" Wall	46.99	11.80
			For Work In Restricted Working Space, Add	*7.09*	
40 05 23 23-0120			Type 316 Tube Fittings *(40 05 23 23-0011)*		
40 05 23 23-0121			90 Degree Elbows *(40 05 23 23-0120)*		
40 05 23 23-0122		EA	1/4" 90 Degree Elbow, Stainless Steel Type 316	72.14	13.28
			For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0123		EA	3/8" 90 Degree Elbow, Stainless Steel Type 316	86.56	14.51
			For Work In Restricted Working Space, Add	*8.68*	
40 05 23 23-0124		EA	1/2" 90 Degree Elbow, Stainless Steel Type 316	136.11	16.35
			For Work In Restricted Working Space, Add	*9.83*	
40 05 23 23-0125		EA	5/8" 90 Degree Elbow, Stainless Steel Type 316	144.50	18.31
			For Work In Restricted Working Space, Add	*11.01*	
40 05 23 23-0126		EA	3/4" 90 Degree Elbow, Stainless Steel Type 316	162.36	19.80
			For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0127		EA	7/8" 90 Degree Elbow, Stainless Steel Type 316	227.22	22.01
			For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0128		EA	1" 90 Degree Elbow, Stainless Steel Type 316	291.26	26.19
			For Work In Restricted Working Space, Add	*15.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0129		**Union Tees** *(40 05 23 23-0120)*		
40 05 23 23-0130	EA	1/4" Union Tee, Stainless Steel Type 316	115.67	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0131	EA	3/8" Union Tee, Stainless Steel Type 316	142.52	22.01
		For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0132	EA	1/2" Union Tee, Stainless Steel Type 316	200.45	24.59
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 23-0133	EA	5/8" Union Tee, Stainless Steel Type 316	214.10	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0134	EA	3/4" Union Tee, Stainless Steel Type 316	279.55	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0135	EA	7/8" Union Tee, Stainless Steel Type 316	459.39	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0136	EA	1" Union Tee, Stainless Steel Type 316	550.75	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0137		**Unions** *(40 05 23 23-0120)*		
40 05 23 23-0138	EA	1/4" Union, Stainless Steel Type 316	75.43	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0139	EA	3/8" Union, Stainless Steel Type 316	96.07	22.01
		For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0140	EA	1/2" Union, Stainless Steel Type 316	127.67	24.59
		For Work In Restricted Working Space, Add	*14.75*	
40 05 23 23-0141	EA	5/8" Union, Stainless Steel Type 316	154.74	27.91
		For Work In Restricted Working Space, Add	*16.76*	
40 05 23 23-0142	EA	3/4" Union, Stainless Steel Type 316	183.18	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0143	EA	7/8" Union, Stainless Steel Type 316	276.09	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0144	EA	1" Union, Stainless Steel Type 316	295.66	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0145		**Male Connectors** *(40 05 23 23-0120)*		
40 05 23 23-0146	EA	1/4" x 1/4" Male Connector, Stainless Steel Type 316	50.28	13.28
		For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0147	EA	3/8" x 3/8" Male Connector, Stainless Steel Type 316	64.95	14.51
		For Work In Restricted Working Space, Add	*8.68*	
40 05 23 23-0148	EA	1/2" x 1/2" Male Connector, Stainless Steel Type 316	86.68	16.35
		For Work In Restricted Working Space, Add	*9.83*	
40 05 23 23-0149	EA	5/8" x 5/8" Male Connector, Stainless Steel Type 316	97.80	18.31
		For Work In Restricted Working Space, Add	*11.01*	
40 05 23 23-0150	EA	3/4" x 3/4" Male Connector, Stainless Steel Type 316	120.63	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0151	EA	7/8" x 7/8" Male Connector, Stainless Steel Type 316	189.96	22.01
		For Work In Restricted Working Space, Add	*13.17*	
40 05 23 23-0152	EA	1" x 1" Male Connector, Stainless Steel Type 316	195.64	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0153		**Type 316 Valves** *(40 05 23 23-0011)*		
40 05 23 23-0154		**Gate Valves** *(40 05 23 23-0153)*		
40 05 23 23-0155	EA	1/4" Gate Valve, Stainless Steel Type 316	296.88	19.80
		For Work In Restricted Working Space, Add	*10.74*	
40 05 23 23-0156	EA	3/8" Gate Valve, Stainless Steel Type 316	508.46	23.24
		For Work In Restricted Working Space, Add	*11.31*	
40 05 23 23-0157	EA	1/2" Gate Valve, Stainless Steel Type 316	523.09	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0158	EA	3/4" Gate Valve, Stainless Steel Type 316	579.16	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0159	EA	1" Gate Valve, Stainless Steel Type 316	522.85	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0160	EA	1-1/4" Gate Valve, Stainless Steel Type 316	719.81	41.19
		For Work In Restricted Working Space, Add	*24.71*	
40 05 23 23-0161	EA	1-1/2" Gate Valve, Stainless Steel Type 316	1,158.96	44.88
		For Work In Restricted Working Space, Add	*26.92*	
40 05 23 23-0162	EA	2" Gate Valve, Stainless Steel Type 316	1,377.50	61.47
		For Work In Restricted Working Space, Add	*36.89*	
40 05 23 23-0163	EA	2-1/2" Gate Valve, Stainless Steel Type 316	2,033.02	196.84
		For Work In Restricted Working Space, Add	*118.07*	
40 05 23 23-0164		**Globe Valves** *(40 05 23 23-0153)*		
40 05 23 23-0165	EA	1/4" Globe Valve, Stainless Steel Type 316	301.16	19.80
		For Work In Restricted Working Space, Add	*10.74*	
40 05 23 23-0166	EA	3/8" Globe Valve, Stainless Steel Type 316	193.88	23.24
		For Work In Restricted Working Space, Add	*11.31*	
40 05 23 23-0167	EA	1/2" Globe Valve, Stainless Steel Type 316	353.89	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0168	EA	3/4" Globe Valve, Stainless Steel Type 316	393.32	29.99
		For Work In Restricted Working Space, Add	*17.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0169	EA	1" Globe Valve, Stainless Steel Type 316	576.70	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0170	EA	1-1/4" Globe Valve, Stainless Steel Type 316	721.26	40.94
		For Work In Restricted Working Space, Add	*24.53*	
40 05 23 23-0171	EA	1-1/2" Globe Valve, Stainless Steel Type 316	1,201.73	44.88
		For Work In Restricted Working Space, Add	*26.92*	
40 05 23 23-0172	EA	2" Globe Valve, Stainless Steel Type 316	1,420.27	61.47
		For Work In Restricted Working Space, Add	*36.89*	
40 05 23 23-0173	EA	2-1/2" Globe Valve, Stainless Steel Type 316	1,762.15	196.84
		For Work In Restricted Working Space, Add	*118.07*	

40 05 23 23-0174 Check Valves *(40 05 23 23-0153)*

40 05 23 23-0175	EA	1/4" Check Valve, Stainless Steel Type 316	426.86	19.80
		For Work In Restricted Working Space, Add	*10.74*	
40 05 23 23-0176	EA	3/8" Check Valve, Stainless Steel Type 316	428.75	23.24
		For Work In Restricted Working Space, Add	*11.31*	
40 05 23 23-0177	EA	1/2" Check Valve, Stainless Steel Type 316	270.92	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0178	EA	3/4" Check Valve, Stainless Steel Type 316	281.74	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0179	EA	1" Check Valve, Stainless Steel Type 316	307.42	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0180	EA	1-1/4" Check Valve, Stainless Steel Type 316	427.09	41.19
		For Work In Restricted Working Space, Add	*24.71*	
40 05 23 23-0181	EA	1-1/2" Check Valve, Stainless Steel Type 316	959.37	44.88
		For Work In Restricted Working Space, Add	*26.92*	
40 05 23 23-0182	EA	2" Check Valve, Stainless Steel Type 316	1,163.66	61.47
		For Work In Restricted Working Space, Add	*36.89*	
40 05 23 23-0183	EA	2-1/2" Check Valve, Stainless Steel Type 316	2,294.38	196.84
		For Work In Restricted Working Space, Add	*118.07*	

40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined *(40 05 23 23-0153)*

40 05 23 23-0185	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	457.60	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0186	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	534.65	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0187	EA	1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	681.68	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0188	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,089.05	44.88
		For Work In Restricted Working Space, Add	*26.92*	
40 05 23 23-0189	EA	2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined	1,521.99	61.47
		For Work In Restricted Working Space, Add	*36.89*	

40 05 23 23-0190 Diaphragm Valves, Teflon Lined *(40 05 23 23-0153)*

40 05 23 23-0191	EA	1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	607.49	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0192	EA	3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	698.43	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0193	EA	1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	845.46	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0194	EA	1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,319.44	44.88
		For Work In Restricted Working Space, Add	*26.92*	
40 05 23 23-0195	EA	2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined	1,796.79	61.47
		For Work In Restricted Working Space, Add	*36.89*	

40 05 23 23-0196 Strainers *(40 05 23 23-0153)*

40 05 23 23-0197	EA	1/2" Strainer, Stainless Steel Type 316	608.94	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0198	EA	3/4" Strainer, Stainless Steel Type 316	728.94	30.13
		For Work In Restricted Working Space, Add	*18.08*	
40 05 23 23-0199	EA	1" Strainer, Stainless Steel Type 316	953.67	39.96
		For Work In Restricted Working Space, Add	*23.98*	
40 05 23 23-0200	EA	1-1/4" Strainer, Stainless Steel Type 316	1,185.54	41.19
		For Work In Restricted Working Space, Add	*24.71*	
40 05 23 23-0201	EA	1-1/2" Strainer, Stainless Steel Type 316	1,489.15	44.88
		For Work In Restricted Working Space, Add	*26.93*	
40 05 23 23-0202	EA	2" Strainer, Stainless Steel Type 316	2,148.07	61.47
		For Work In Restricted Working Space, Add	*36.89*	
40 05 23 23-0203	EA	2-1/2" Strainer, Stainless Steel Type 316	2,952.48	81.76
		For Work In Restricted Working Space, Add	*49.06*	
40 05 23 23-0204	EA	3" Strainer, Stainless Steel Type 316	4,299.00	122.95
		For Work In Restricted Working Space, Add	*73.77*	
40 05 23 23-0205	EA	4" Strainer, Stainless Steel Type 316	5,496.40	196.71
		For Work In Restricted Working Space, Add	*118.02*	

40 05 23 23-0206 Plug Valves *(40 05 23 23-0153)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0207	EA	1/2" Plug Valve, Stainless Steel Type 316	649.17	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0208	EA	3/4" Plug Valve, Stainless Steel Type 316	709.88	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0209	EA	1" Plug Valve, Stainless Steel Type 316	799.96	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0210	EA	1-1/2" Plug Valve, Stainless Steel Type 316	1,117.89	44.88
		For Work In Restricted Working Space, Add	*26.92*	
40 05 23 23-0211	EA	2" Plug Valve, Stainless Steel Type 316	1,453.68	61.47
		For Work In Restricted Working Space, Add	*36.89*	

40 05 23 23-0212 Cut And Prepare Existing Pipe In-Place *(40 05 23 23-0011)*

Note: For use when connecting pipe to an existing in-place system.

40 05 23 23-0213	EA	Cut And Prepare 1/2" Stainless Steel Pipe	24.58	
40 05 23 23-0214	EA	Cut And Prepare 3/4" Stainless Steel Pipe	26.55	
40 05 23 23-0215	EA	Cut And Prepare 1" Stainless Steel Pipe	29.86	
40 05 23 23-0216	EA	Cut And Prepare 1-1/4" Stainless Steel Pipe	31.34	
40 05 23 23-0217	EA	Cut And Prepare 1-1/2" Stainless Steel Pipe	33.18	
40 05 23 23-0218	EA	Cut And Prepare 2" Stainless Steel Pipe	35.64	
40 05 23 23-0219	EA	Cut And Prepare 2-1/2" Stainless Steel Pipe	38.11	
40 05 23 23-0220	EA	Cut And Prepare 3" Stainless Steel Pipe	41.79	
40 05 23 23-0221	EA	Cut And Prepare 4" Stainless Steel Pipe	45.47	
40 05 23 23-0222	EA	Cut And Prepare 6" Stainless Steel Pipe	49.16	
40 05 23 23-0223	EA	Cut And Prepare 8" Stainless Steel Pipe	52.85	
40 05 23 23-0224	EA	Cut And Prepare 10" Stainless Steel Pipe	57.76	
40 05 23 23-0225	EA	Cut And Prepare 12" Stainless Steel Pipe	62.68	
40 05 23 23-0226	EA	Cut And Prepare 14" Stainless Steel Pipe	67.60	
40 05 23 23-0227	EA	Cut And Prepare 16" Stainless Steel Pipe	72.51	
40 05 23 23-0228	EA	Cut And Prepare 18" Stainless Steel Pipe	76.20	
40 05 23 23-0229	EA	Cut And Prepare 20" Stainless Steel Pipe	79.88	
40 05 23 23-0230	EA	Cut And Prepare 24" Stainless Steel Pipe	84.80	

40 05 23 23-0231 Stainless Steel Pipe And Fittings *(40 05 23 23)*

40 05 23 23-0232 Type 304, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0233 Type 304, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0232)*

40 05 23 23-0234	LF	1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	15.98	5.29
		For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0235	LF	3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	19.74	6.64
		For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0236	LF	1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	24.16	7.99
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0237	LF	1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	28.85	9.22
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0238	LF	1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	33.26	10.45
		For Work In Restricted Working Space, Add	*6.30*	
40 05 23 23-0239	LF	2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	42.38	13.28
		For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0240	LF	2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	56.13	15.74
		For Work In Restricted Working Space, Add	*9.46*	
40 05 23 23-0241	LF	3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	70.56	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0242	LF	4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 Lb. Threaded Fitting	95.10	26.19
		For Work In Restricted Working Space, Add	*15.70*	

40 05 23 23-0243 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0232)*

40 05 23 23-0244	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	42.99	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0245	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	57.08	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0246	EA	1", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	73.39	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0247	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	102.92	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0248	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	122.69	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0249	EA	2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	149.45	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0250	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	250.53	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0251	EA	3", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	322.51	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0252	EA	4", 150 Lb., Type 304 Stainless Steel Threaded 90 Degree Elbow	441.26	163.89
		For Work In Restricted Working Space, Add	*98.36*	

40 05 23 23-0253 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbows *(40 05 23 23-0232)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0254	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	43.76	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0255	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	58.32	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0256	EA	1", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	73.78	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0257	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	102.77	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0258	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	120.86	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0259	EA	2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	149.03	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0260	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	258.84	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0261	EA	3", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	338.72	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0262	EA	4", 150 Lb., Type 304 Stainless Steel Threaded 45 Degree Elbow	460.14	163.89
		For Work In Restricted Working Space, Add	*98.36*	

40 05 23 23-0263 150 Lb., Type 304 Stainless Steel Threaded Tees *(40 05 23 23-0232)*

40 05 23 23-0264	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	64.51	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0265	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	86.50	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0266	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Tee	107.50	49.18
		For Work In Restricted Working Space, Add	*29.51*	
40 05 23 23-0267	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Tee	154.78	68.36
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0268	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	176.29	76.84
		For Work In Restricted Working Space, Add	*46.11*	
40 05 23 23-0269	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Tee	233.93	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0270	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Tee	358.49	148.15
		For Work In Restricted Working Space, Add	*88.88*	
40 05 23 23-0271	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Tee	486.29	198.31
		For Work In Restricted Working Space, Add	*118.98*	
40 05 23 23-0272	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Tee	653.76	245.90
		For Work In Restricted Working Space, Add	*147.54*	

40 05 23 23-0273 150 Lb., Type 304 Stainless Steel Threaded Reducers *(40 05 23 23-0232)*

40 05 23 23-0274	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	56.51	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0275	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Reducer	72.17	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0276	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	99.44	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0277	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	118.96	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0278	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	149.54	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0279	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Reducer	248.07	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0280	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Reducer	325.86	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0281	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Reducer	429.67	163.89
		For Work In Restricted Working Space, Add	*98.36*	

40 05 23 23-0282 150 Lb., Type 304 Stainless Steel Threaded Caps *(40 05 23 23-0232)*

40 05 23 23-0283	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	22.05	9.96
		For Work In Restricted Working Space, Add	*5.95*	
40 05 23 23-0284	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	29.22	13.28
		For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0285	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Cap	36.94	16.35
		For Work In Restricted Working Space, Add	*9.83*	
40 05 23 23-0286	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Cap	53.94	23.24
		For Work In Restricted Working Space, Add	*13.92*	
40 05 23 23-0287	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	62.21	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0288	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Cap	79.05	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0289	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Cap	121.10	49.18
		For Work In Restricted Working Space, Add	*29.51*	
40 05 23 23-0290	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Cap	160.86	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0291	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Cap	217.13	82.01
		For Work In Restricted Working Space, Add	*49.18*	

40 05 23 23-0292 150 Lb., Type 304 Stainless Steel Threaded Unions *(40 05 23 23-0232)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0293	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	69.33	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0294	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Union	91.17	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0295	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Union	116.26	49.18
		For Work In Restricted Working Space, Add	*29.51*	
40 05 23 23-0296	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Union	167.66	68.36
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0297	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	188.78	76.84
		For Work In Restricted Working Space, Add	*46.11*	
40 05 23 23-0298	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Union	246.94	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0299	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Union	421.20	153.69
		For Work In Restricted Working Space, Add	*92.21*	
40 05 23 23-0300	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Union	539.97	198.31
		For Work In Restricted Working Space, Add	*118.99*	
40 05 23 23-0301	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Union	560.58	163.95
		For Work In Restricted Working Space, Add	*98.37*	

40 05 23 23-0302 150 Lb., Type 304 Stainless Steel Threaded Couplings *(40 05 23 23-0232)*

40 05 23 23-0303	EA	1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	42.67	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0304	EA	3/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	56.66	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0305	EA	1", 150 Lb., Type 304 Stainless Steel Threaded Coupling	73.05	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0306	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	101.56	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0307	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	119.36	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0308	EA	2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	146.98	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0309	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Threaded Coupling	243.44	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0310	EA	3", 150 Lb., Type 304 Stainless Steel Threaded Coupling	314.20	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0311	EA	4", 150 Lb., Type 304 Stainless Steel Threaded Coupling	405.26	163.89
		For Work In Restricted Working Space, Add	*98.36*	

40 05 23 23-0312 Type 316, Schedule 40 Stainless Steel Pipe And 150 Lb. Threaded Fittings *(40 05 23 23-0231)*

40 05 23 23-0313 Type 316, Schedule 40 Stainless Steel Threaded Pipe *(40 05 23 23-0312)*

40 05 23 23-0314	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	18.85	5.29
		For Work In Restricted Working Space, Add	*3.17*	
40 05 23 23-0315	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	22.57	6.64
		For Work In Restricted Working Space, Add	*3.97*	
40 05 23 23-0316	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	28.23	7.99
		For Work In Restricted Working Space, Add	*4.76*	
40 05 23 23-0317	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	34.17	9.22
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0318	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	39.56	10.45
		For Work In Restricted Working Space, Add	*6.30*	
40 05 23 23-0319	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	50.81	13.28
		For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0320	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	67.92	15.74
		For Work In Restricted Working Space, Add	*9.46*	
40 05 23 23-0321	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	88.14	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0322	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 Lb. Threaded Fitting	117.98	26.19
		For Work In Restricted Working Space, Add	*15.70*	

40 05 23 23-0323 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbows *(40 05 23 23-0312)*

40 05 23 23-0324	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	44.00	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0325	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	58.58	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0326	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	74.31	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0327	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	104.57	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0328	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	124.89	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0329	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	152.16	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0330	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	254.86	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0331	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	333.13	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0332	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 90 Degree Elbow	454.16	163.89
		For Work In Restricted Working Space, Add	*98.36*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0333		**150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbows** *(40 05 23 23-0312)*		
40 05 23 23-0334	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	44.81	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0335	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	59.09	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0336	EA	1", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	74.91	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0337	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	104.40	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0338	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	122.76	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0339	EA	2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	151.57	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0340	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	262.91	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0341	EA	3", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	348.12	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0342	EA	4", 150 Lb., Type 316 Stainless Steel Threaded 45 Degree Elbow	485.49	163.89
		For Work In Restricted Working Space, Add	*98.36*	
40 05 23 23-0343		**150 Lb., Type 316 Stainless Steel Threaded Tees** *(40 05 23 23-0312)*		
40 05 23 23-0344	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	65.58	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0345	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	87.58	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0346	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Tee	108.72	49.18
		For Work In Restricted Working Space, Add	*29.51*	
40 05 23 23-0347	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Tee	157.26	68.36
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0348	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	178.74	76.84
		For Work In Restricted Working Space, Add	*46.11*	
40 05 23 23-0349	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Tee	237.16	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0350	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Tee	371.67	148.15
		For Work In Restricted Working Space, Add	*88.88*	
40 05 23 23-0351	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Tee	504.25	198.31
		For Work In Restricted Working Space, Add	*118.98*	
40 05 23 23-0352	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Tee	667.15	245.90
		For Work In Restricted Working Space, Add	*147.54*	
40 05 23 23-0353		**150 Lb., Type 316 Stainless Steel Threaded Reducers** *(40 05 23 23-0312)*		
40 05 23 23-0354	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	57.42	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0355	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Reducer	74.89	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0356	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	99.95	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0357	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	121.62	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0358	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	154.21	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0359	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Reducer	258.71	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0360	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Reducer	337.61	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0361	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Reducer	449.25	163.89
		For Work In Restricted Working Space, Add	*98.36*	
40 05 23 23-0362		**150 Lb., Type 316 Stainless Steel Threaded Caps** *(40 05 23 23-0312)*		
40 05 23 23-0363	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	22.65	9.96
		For Work In Restricted Working Space, Add	*5.95*	
40 05 23 23-0364	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	29.66	13.28
		For Work In Restricted Working Space, Add	*7.93*	
40 05 23 23-0365	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Cap	37.73	16.35
		For Work In Restricted Working Space, Add	*9.83*	
40 05 23 23-0366	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Cap	56.14	23.24
		For Work In Restricted Working Space, Add	*13.92*	
40 05 23 23-0367	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	64.81	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0368	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Cap	82.45	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0369	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Cap	126.72	49.18
		For Work In Restricted Working Space, Add	*29.51*	
40 05 23 23-0370	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Cap	166.56	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0371	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Cap	228.45	82.01
		For Work In Restricted Working Space, Add	*49.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0372		**150 Lb., Type 316 Stainless Steel Threaded Unions** *(40 05 23 23-0312)*		
40 05 23 23-0373	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	70.62	29.99
		For Work In Restricted Working Space, Add	*17.99*	
40 05 23 23-0374	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Union	96.02	39.71
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-0375	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Union	118.71	49.18
		For Work In Restricted Working Space, Add	*29.51*	
40 05 23 23-0376	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Union	171.83	68.36
		For Work In Restricted Working Space, Add	*40.98*	
40 05 23 23-0377	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	193.65	76.84
		For Work In Restricted Working Space, Add	*46.11*	
40 05 23 23-0378	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Union	252.58	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0379	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Union	429.85	153.69
		For Work In Restricted Working Space, Add	*92.21*	
40 05 23 23-0380	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Union	566.93	198.31
		For Work In Restricted Working Space, Add	*118.99*	
40 05 23 23-0381	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Union	618.03	163.95
		For Work In Restricted Working Space, Add	*98.37*	
40 05 23 23-0382		**150 Lb., Type 316 Stainless Steel Threaded Couplings** *(40 05 23 23-0312)*		
40 05 23 23-0383	EA	1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	44.70	19.80
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-0384	EA	3/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	57.60	26.19
		For Work In Restricted Working Space, Add	*15.70*	
40 05 23 23-0385	EA	1", 150 Lb., Type 316 Stainless Steel Threaded Coupling	73.95	33.20
		For Work In Restricted Working Space, Add	*19.94*	
40 05 23 23-0386	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	102.99	45.49
		For Work In Restricted Working Space, Add	*27.32*	
40 05 23 23-0387	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	121.07	53.48
		For Work In Restricted Working Space, Add	*32.07*	
40 05 23 23-0388	EA	2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	149.35	64.67
		For Work In Restricted Working Space, Add	*38.83*	
40 05 23 23-0389	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Threaded Coupling	251.72	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-0390	EA	3", 150 Lb., Type 316 Stainless Steel Threaded Coupling	324.88	132.17
		For Work In Restricted Working Space, Add	*79.32*	
40 05 23 23-0391	EA	4", 150 Lb., Type 316 Stainless Steel Threaded Coupling	421.27	163.89
		For Work In Restricted Working Space, Add	*98.36*	
40 05 23 23-0392		**Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings** *(40 05 23 23-0231)*		
40 05 23 23-0393		**Type 304, Schedule 10 Stainless Steel Pipe** *(40 05 23 23-0392)*		
40 05 23 23-0394	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	17.36	5.17
		For Work In Restricted Working Space, Add	*3.10*	
40 05 23 23-0395	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	20.76	6.31
		For Work In Restricted Working Space, Add	*3.79*	
40 05 23 23-0396	LF	1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	26.92	7.46
		For Work In Restricted Working Space, Add	*4.44*	
40 05 23 23-0397	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	33.00	9.29
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0398	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	36.79	10.45
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-0399	LF	2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	45.51	12.97
		For Work In Restricted Working Space, Add	*7.75*	
40 05 23 23-0400	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	54.01	14.81
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 23-0401	LF	3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	63.25	16.64
		For Work In Restricted Working Space, Add	*9.98*	
40 05 23 23-0402	LF	4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	78.70	19.74
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 23-0403	LF	6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	113.11	25.94
		For Work In Restricted Working Space, Add	*15.51*	
40 05 23 23-0404	LF	8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	192.16	45.82
		For Work In Restricted Working Space, Add	*29.44*	
40 05 23 23-0405	LF	10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	240.35	50.37
		For Work In Restricted Working Space, Add	*32.38*	
40 05 23 23-0406	LF	12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	284.96	56.01
		For Work In Restricted Working Space, Add	*35.98*	
40 05 23 23-0407	LF	14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	346.90	62.97
		For Work In Restricted Working Space, Add	*40.48*	
40 05 23 23-0408	LF	16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	383.61	71.96
		For Work In Restricted Working Space, Add	*46.26*	
40 05 23 23-0409	LF	18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	431.87	83.95
		For Work In Restricted Working Space, Add	*53.97*	
40 05 23 23-0410	LF	20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	589.71	100.74
		For Work In Restricted Working Space, Add	*64.76*	
40 05 23 23-0411	LF	24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting	765.65	125.93
		For Work In Restricted Working Space, Add	*80.95*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0412		Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow *(40 05 23 23-0392)*		
40 05 23 23-0413	EA	1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	136.00	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0414	EA	3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	144.05	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0415	EA	1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	158.71	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0416	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	173.21	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0417	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	191.32	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0418	EA	2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	213.81	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0419	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	277.72	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0420	EA	3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	325.76	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0421	EA	4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	398.33	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0422	EA	6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	542.60	206.23
		For Work In Restricted Working Space, Add	*137.49*	
40 05 23 23-0423	EA	8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	925.69	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0424	EA	10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	1,359.82	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0425	EA	12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,053.25	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0426	EA	14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,426.49	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0427	EA	16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	2,846.74	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0428	EA	18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	3,596.55	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0429	EA	20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	5,015.07	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0430	EA	24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow	7,197.96	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	
40 05 23 23-0431		Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow *(40 05 23 23-0392)*		
40 05 23 23-0432	EA	1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	137.53	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0433	EA	3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	145.58	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0434	EA	1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	160.54	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0435	EA	1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	175.65	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0436	EA	1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	191.62	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0437	EA	2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	213.81	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0438	EA	2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	276.19	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0439	EA	3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	323.01	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0440	EA	4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	393.14	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0441	EA	6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	515.42	206.23
		For Work In Restricted Working Space, Add	*137.49*	
40 05 23 23-0442	EA	8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	873.25	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0443	EA	10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,266.47	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0444	EA	12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	1,905.46	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0445	EA	14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,245.09	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0446	EA	16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	2,622.86	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0447	EA	18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	3,302.55	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0448	EA	20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	4,618.36	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0449	EA	24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow	6,635.21	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	
40 05 23 23-0450		Type 304, Schedule 10 Stainless Steel Butt Weld Tee *(40 05 23 23-0392)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0451	EA	1/2", Type 304, Schedule 10 Stainless Steel Tee	183.08	74.83
		For Work In Restricted Working Space, Add	*49.88*	
40 05 23 23-0452	EA	3/4", Type 304, Schedule 10 Stainless Steel Tee	220.91	91.86
		For Work In Restricted Working Space, Add	*61.23*	
40 05 23 23-0453	EA	1", Type 304, Schedule 10 Stainless Steel Tee	246.14	103.20
		For Work In Restricted Working Space, Add	*68.80*	
40 05 23 23-0454	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Tee	280.19	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0455	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Tee	297.52	126.33
		For Work In Restricted Working Space, Add	*84.22*	
40 05 23 23-0456	EA	2", Type 304, Schedule 10 Stainless Steel Tee	324.21	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0457	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Tee	417.72	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0458	EA	3", Type 304, Schedule 10 Stainless Steel Tee	492.76	206.90
		For Work In Restricted Working Space, Add	*137.93*	
40 05 23 23-0459	EA	4", Type 304, Schedule 10 Stainless Steel Tee	565.49	232.21
		For Work In Restricted Working Space, Add	*154.80*	
40 05 23 23-0460	EA	6", Type 304, Schedule 10 Stainless Steel Tee	819.65	309.60
		For Work In Restricted Working Space, Add	*206.40*	
40 05 23 23-0461	EA	8", Type 304, Schedule 10 Stainless Steel Tee	1,338.38	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0462	EA	10", Type 304, Schedule 10 Stainless Steel Tee	2,053.25	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0463	EA	12", Type 304, Schedule 10 Stainless Steel Tee	2,637.65	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0464	EA	14", Type 304, Schedule 10 Stainless Steel Tee	3,242.26	1,042.32
		For Work In Restricted Working Space, Add	*694.88*	
40 05 23 23-0465	EA	16", Type 304, Schedule 10 Stainless Steel Tee	3,928.35	1,271.51
		For Work In Restricted Working Space, Add	*847.68*	
40 05 23 23-0466	EA	18", Type 304, Schedule 10 Stainless Steel Tee	4,998.77	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0467	EA	20", Type 304, Schedule 10 Stainless Steel Tee	6,681.36	2,130.34
		For Work In Restricted Working Space, Add	*1,420.23*	
40 05 23 23-0468	EA	24", Type 304, Schedule 10 Stainless Steel Tee	10,020.70	3,238.12
		For Work In Restricted Working Space, Add	*2,158.75*	

40 05 23 23-0469 Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0392)*

40 05 23 23-0470	EA	3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	168.85	62.51
		For Work In Restricted Working Space, Add	*41.68*	
40 05 23 23-0471	EA	1", Type 304, Schedule 10 Stainless Steel Reducing Tee	200.16	76.60
		For Work In Restricted Working Space, Add	*51.07*	
40 05 23 23-0472	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee	245.91	86.07
		For Work In Restricted Working Space, Add	*57.38*	
40 05 23 23-0473	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	255.62	98.12
		For Work In Restricted Working Space, Add	*65.42*	
40 05 23 23-0474	EA	2", Type 304, Schedule 10 Stainless Steel Reducing Tee	268.20	105.43
		For Work In Restricted Working Space, Add	*70.29*	
40 05 23 23-0475	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee	347.27	114.90
		For Work In Restricted Working Space, Add	*76.60*	
40 05 23 23-0476	EA	3", Type 304, Schedule 10 Stainless Steel Reducing Tee	409.31	137.73
		For Work In Restricted Working Space, Add	*91.82*	
40 05 23 23-0477	EA	4", Type 304, Schedule 10 Stainless Steel Reducing Tee	504.70	172.14
		For Work In Restricted Working Space, Add	*114.76*	
40 05 23 23-0478	EA	6", Type 304, Schedule 10 Stainless Steel Reducing Tee	662.49	196.69
		For Work In Restricted Working Space, Add	*131.12*	
40 05 23 23-0479	EA	8", Type 304, Schedule 10 Stainless Steel Reducing Tee	1,238.87	289.12
		For Work In Restricted Working Space, Add	*192.74*	
40 05 23 23-0480	EA	10", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,033.28	385.49
		For Work In Restricted Working Space, Add	*257.00*	
40 05 23 23-0481	EA	12", Type 304, Schedule 10 Stainless Steel Reducing Tee	2,907.91	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0482	EA	14", Type 304, Schedule 10 Stainless Steel Reducing Tee	3,527.38	694.68
		For Work In Restricted Working Space, Add	*463.12*	
40 05 23 23-0483	EA	16", Type 304, Schedule 10 Stainless Steel Reducing Tee	4,367.36	847.38
		For Work In Restricted Working Space, Add	*564.92*	
40 05 23 23-0484	EA	18", Type 304, Schedule 10 Stainless Steel Reducing Tee	5,638.26	1,079.38
		For Work In Restricted Working Space, Add	*719.58*	
40 05 23 23-0485	EA	20", Type 304, Schedule 10 Stainless Steel Reducing Tee	8,007.51	1,420.23
		For Work In Restricted Working Space, Add	*946.82*	
40 05 23 23-0486	EA	24", Type 304, Schedule 10 Stainless Steel Reducing Tee	12,519.78	2,156.83
		For Work In Restricted Working Space, Add	*1,437.89*	

40 05 23 23-0487 Type 304, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0392)*

40 05 23 23-0488	EA	3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	136.71	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0489	EA	1", Type 304, Schedule 10 Stainless Steel Concentric Reducer	150.50	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0490	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	166.82	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0491	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	177.62	74.85
		For Work In Restricted Working Space, Add	*49.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0492	EA	2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	193.76	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0493	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer	259.45	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0494	EA	3", Type 304, Schedule 10 Stainless Steel Concentric Reducer	293.37	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0495	EA	4", Type 304, Schedule 10 Stainless Steel Concentric Reducer	342.90	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0496	EA	6", Type 304, Schedule 10 Stainless Steel Concentric Reducer	442.34	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0497	EA	8", Type 304, Schedule 10 Stainless Steel Concentric Reducer	701.17	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0498	EA	10", Type 304, Schedule 10 Stainless Steel Concentric Reducer	891.39	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0499	EA	12", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,198.51	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0500	EA	14", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,703.92	607.15
		For Work In Restricted Working Space, Add	*404.77*	
40 05 23 23-0501	EA	16", Type 304, Schedule 10 Stainless Steel Concentric Reducer	1,990.83	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0502	EA	18", Type 304, Schedule 10 Stainless Steel Concentric Reducer	2,452.27	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0503	EA	20", Type 304, Schedule 10 Stainless Steel Concentric Reducer	3,436.95	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0504	EA	24", Type 304, Schedule 10 Stainless Steel Concentric Reducer	4,962.10	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	
40 05 23 23-0505	EA	3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	165.43	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0506	EA	1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	171.57	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0507	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	181.25	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0508	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	203.89	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0509	EA	2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	212.70	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0510	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	280.22	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0511	EA	3", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	313.83	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0512	EA	4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	358.72	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0513	EA	6", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	499.46	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0514	EA	8", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	823.60	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0515	EA	10", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,130.21	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0516	EA	12", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	1,419.19	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0517	EA	14", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,213.00	607.15
		For Work In Restricted Working Space, Add	*404.77*	
40 05 23 23-0518	EA	16", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	2,574.15	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0519	EA	18", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	3,164.19	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0520	EA	20", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	4,577.77	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0521	EA	24", Type 304, Schedule 10 Stainless Steel Eccentric Reducer	6,474.03	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	

40 05 23 23-0522 Type 304, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0392)*

40 05 23 23-0523	EA	1/2", Type 304, Schedule 10 Stainless Steel Cap	74.88	29.44
		For Work In Restricted Working Space, Add	*19.62*	
40 05 23 23-0524	EA	3/4", Type 304, Schedule 10 Stainless Steel Cap	82.26	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-0525	EA	1", Type 304, Schedule 10 Stainless Steel Cap	90.36	34.34
		For Work In Restricted Working Space, Add	*22.89*	
40 05 23 23-0526	EA	1-1/4", Type 304, Schedule 10 Stainless Steel Cap	99.51	37.42
		For Work In Restricted Working Space, Add	*24.95*	
40 05 23 23-0527	EA	1-1/2", Type 304, Schedule 10 Stainless Steel Cap	106.81	41.32
		For Work In Restricted Working Space, Add	*27.55*	
40 05 23 23-0528	EA	2", Type 304, Schedule 10 Stainless Steel Cap	115.30	45.97
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0529	EA	2-1/2", Type 304, Schedule 10 Stainless Steel Cap	149.71	58.85
		For Work In Restricted Working Space, Add	*39.23*	
40 05 23 23-0530	EA	3", Type 304, Schedule 10 Stainless Steel Cap	169.45	68.98
		For Work In Restricted Working Space, Add	*45.98*	
40 05 23 23-0531	EA	4", Type 304, Schedule 10 Stainless Steel Cap	204.21	82.55
		For Work In Restricted Working Space, Add	*55.03*	
40 05 23 23-0532	EA	6", Type 304, Schedule 10 Stainless Steel Cap	263.42	103.28
		For Work In Restricted Working Space, Add	*68.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0533	EA	8", Type 304, Schedule 10 Stainless Steel Cap	446.52	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-0534	EA	10", Type 304, Schedule 10 Stainless Steel Cap	594.61	231.30
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-0535	EA	12", Type 304, Schedule 10 Stainless Steel Cap	876.06	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0536	EA	14", Type 304, Schedule 10 Stainless Steel Cap	1,028.25	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-0537	EA	16", Type 304, Schedule 10 Stainless Steel Cap	1,192.11	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-0538	EA	18", Type 304, Schedule 10 Stainless Steel Cap	1,505.57	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0539	EA	20", Type 304, Schedule 10 Stainless Steel Cap	2,079.44	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0540	EA	24", Type 304, Schedule 10 Stainless Steel Cap	3,064.17	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	

40 05 23 23-0541 Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0542 Type 304, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0541)*

40 05 23 23-0543	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	19.09	5.17
		For Work In Restricted Working Space, Add	*3.10*	
40 05 23 23-0544	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	23.21	6.31
		For Work In Restricted Working Space, Add	*3.79*	
40 05 23 23-0545	LF	1" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	28.24	7.46
		For Work In Restricted Working Space, Add	*4.44*	
40 05 23 23-0546	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	35.30	9.18
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0547	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	40.53	10.32
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-0548	LF	2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	51.67	13.19
		For Work In Restricted Working Space, Add	*7.75*	
40 05 23 23-0549	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	63.41	14.92
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 23-0550	LF	3" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	63.09	16.64
		For Work In Restricted Working Space, Add	*9.98*	
40 05 23 23-0551	LF	4" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	99.66	19.51
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	152.45	25.82
		For Work In Restricted Working Space, Add	*15.51*	
40 05 23 23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	270.84	45.57
		For Work In Restricted Working Space, Add	*29.44*	
40 05 23 23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	338.22	50.37
		For Work In Restricted Working Space, Add	*32.38*	
40 05 23 23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting	417.37	55.76
		For Work In Restricted Working Space, Add	*35.98*	

40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0541)*

40 05 23 23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	137.22	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	145.27	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	159.62	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	173.87	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	191.93	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	215.95	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	285.66	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	337.37	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	417.88	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	667.52	206.23
		For Work In Restricted Working Space, Add	*137.49*	
40 05 23 23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,095.91	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	1,705.19	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,501.20	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	2,969.92	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	3,544.85	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	4,566.56	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	6,212.33	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow	8,906.05	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	
40 05 23 23-0575		Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0541)*		
40 05 23 23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	139.36	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	147.41	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	161.15	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	175.43	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	193.45	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	216.27	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	285.66	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	328.82	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	422.46	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	563.37	206.23
		For Work In Restricted Working Space, Add	*137.49*	
40 05 23 23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	986.72	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	1,432.40	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,098.78	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,381.42	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	2,844.17	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	3,589.04	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	4,893.31	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow	7,102.06	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	
40 05 23 23-0594		Type 304, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0541)*		
40 05 23 23-0595	EA	1/2", Type 304, Schedule 40 Stainless Steel Tee	184.30	74.83
		For Work In Restricted Working Space, Add	*49.88*	
40 05 23 23-0596	EA	3/4", Type 304, Schedule 40 Stainless Steel Tee	222.13	91.86
		For Work In Restricted Working Space, Add	*61.23*	
40 05 23 23-0597	EA	1", Type 304, Schedule 40 Stainless Steel Tee	247.36	103.20
		For Work In Restricted Working Space, Add	*68.80*	
40 05 23 23-0598	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Tee	283.30	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0599	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Tee	298.74	126.33
		For Work In Restricted Working Space, Add	*84.22*	
40 05 23 23-0600	EA	2", Type 304, Schedule 40 Stainless Steel Tee	325.74	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0601	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Tee	421.85	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0602	EA	3", Type 304, Schedule 40 Stainless Steel Tee	499.17	206.90
		For Work In Restricted Working Space, Add	*137.93*	
40 05 23 23-0603	EA	4", Type 304, Schedule 40 Stainless Steel Tee	572.51	232.21
		For Work In Restricted Working Space, Add	*154.80*	
40 05 23 23-0604	EA	6", Type 304, Schedule 40 Stainless Steel Tee	868.21	309.60
		For Work In Restricted Working Space, Add	*206.40*	
40 05 23 23-0605	EA	8", Type 304, Schedule 40 Stainless Steel Tee	1,482.53	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0606	EA	10", Type 304, Schedule 40 Stainless Steel Tee	2,495.61	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0607	EA	12", Type 304, Schedule 40 Stainless Steel Tee	3,104.08	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0608	EA	14", Type 304, Schedule 40 Stainless Steel Tee	4,182.13	1,042.32
		For Work In Restricted Working Space, Add	*694.88*	
40 05 23 23-0609	EA	16", Type 304, Schedule 40 Stainless Steel Tee	5,300.51	1,271.51
		For Work In Restricted Working Space, Add	*847.68*	
40 05 23 23-0610	EA	18", Type 304, Schedule 40 Stainless Steel Tee	6,861.82	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0611	EA	20", Type 304, Schedule 40 Stainless Steel Tee	8,866.67	2,130.34
		For Work In Restricted Working Space, Add	*1,420.23*	
40 05 23 23-0612	EA	24", Type 304, Schedule 40 Stainless Steel Tee	13,569.91	3,238.12
		For Work In Restricted Working Space, Add	*2,158.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0613		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees** *(40 05 23 23-0541)*		
40 05 23 23-0614	EA	3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	172.82	62.51
		For Work In Restricted Working Space, Add	*41.68*	
40 05 23 23-0615	EA	1", Type 304, Schedule 40 Stainless Steel Reducing Tee	204.13	76.60
		For Work In Restricted Working Space, Add	*51.07*	
40 05 23 23-0616	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee	265.02	86.07
		For Work In Restricted Working Space, Add	*57.38*	
40 05 23 23-0617	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	261.42	98.12
		For Work In Restricted Working Space, Add	*65.42*	
40 05 23 23-0618	EA	2", Type 304, Schedule 40 Stainless Steel Reducing Tee	268.20	105.43
		For Work In Restricted Working Space, Add	*70.29*	
40 05 23 23-0619	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee	327.75	114.90
		For Work In Restricted Working Space, Add	*76.60*	
40 05 23 23-0620	EA	3", Type 304, Schedule 40 Stainless Steel Reducing Tee	366.24	137.73
		For Work In Restricted Working Space, Add	*91.82*	
40 05 23 23-0621	EA	4", Type 304, Schedule 40 Stainless Steel Reducing Tee	482.10	172.14
		For Work In Restricted Working Space, Add	*114.76*	
40 05 23 23-0622	EA	6", Type 304, Schedule 40 Stainless Steel Reducing Tee	666.15	196.69
		For Work In Restricted Working Space, Add	*131.12*	
40 05 23 23-0623	EA	8", Type 304, Schedule 40 Stainless Steel Reducing Tee	1,109.23	289.12
		For Work In Restricted Working Space, Add	*192.74*	
40 05 23 23-0624	EA	10", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,073.85	385.49
		For Work In Restricted Working Space, Add	*257.00*	
40 05 23 23-0625	EA	12", Type 304, Schedule 40 Stainless Steel Reducing Tee	2,989.06	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0626	EA	14", Type 304, Schedule 40 Stainless Steel Reducing Tee	3,413.52	694.68
		For Work In Restricted Working Space, Add	*463.12*	
40 05 23 23-0627	EA	16", Type 304, Schedule 40 Stainless Steel Reducing Tee	4,224.76	847.38
		For Work In Restricted Working Space, Add	*564.92*	
40 05 23 23-0628	EA	18", Type 304, Schedule 40 Stainless Steel Reducing Tee	5,452.31	1,079.38
		For Work In Restricted Working Space, Add	*719.58*	
40 05 23 23-0629	EA	20", Type 304, Schedule 40 Stainless Steel Reducing Tee	7,729.04	1,420.23
		For Work In Restricted Working Space, Add	*946.82*	
40 05 23 23-0630	EA	24", Type 304, Schedule 40 Stainless Steel Reducing Tee	12,076.27	2,156.83
		For Work In Restricted Working Space, Add	*1,437.89*	
40 05 23 23-0631		**Type 304, Schedule 40 Stainless Steel Butt Weld Reducers** *(40 05 23 23-0541)*		
40 05 23 23-0632	EA	3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	139.77	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0633	EA	1", Type 304, Schedule 40 Stainless Steel Concentric Reducer	153.55	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0634	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	167.04	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0635	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	180.68	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0636	EA	2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	195.59	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0637	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer	259.45	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0638	EA	3", Type 304, Schedule 40 Stainless Steel Concentric Reducer	282.37	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0639	EA	4", Type 304, Schedule 40 Stainless Steel Concentric Reducer	327.26	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0640	EA	6", Type 304, Schedule 40 Stainless Steel Concentric Reducer	444.79	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0641	EA	8", Type 304, Schedule 40 Stainless Steel Concentric Reducer	753.03	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0642	EA	10", Type 304, Schedule 40 Stainless Steel Concentric Reducer	980.46	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0643	EA	12", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,278.00	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0644	EA	14", Type 304, Schedule 40 Stainless Steel Concentric Reducer	1,882.32	607.15
		For Work In Restricted Working Space, Add	*404.77*	
40 05 23 23-0645	EA	16", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,215.09	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0646	EA	18", Type 304, Schedule 40 Stainless Steel Concentric Reducer	2,906.41	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0647	EA	20", Type 304, Schedule 40 Stainless Steel Concentric Reducer	3,972.63	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0648	EA	24", Type 304, Schedule 40 Stainless Steel Concentric Reducer	5,516.85	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	
40 05 23 23-0649	EA	3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	166.67	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0650	EA	1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	177.99	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0651	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	203.25	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0652	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	215.19	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0653	EA	2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	230.11	82.65
		For Work In Restricted Working Space, Add	*55.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0654	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	280.22	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0655	EA	3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	351.71	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0656	EA	4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	384.38	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0657	EA	6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	524.81	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0658	EA	8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	826.26	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0659	EA	10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,127.90	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0660	EA	12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	1,539.26	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0661	EA	14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,522.69	607.15
		For Work In Restricted Working Space, Add	*404.77*	
40 05 23 23-0662	EA	16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	2,861.39	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0663	EA	18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	3,742.53	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0664	EA	20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	4,863.19	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0665	EA	24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer	7,739.12	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	

40 05 23 23-0666 Type 304, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0541)*

40 05 23 23-0667	EA	1/2", Type 304, Schedule 40 Stainless Steel Cap	75.79	29.44
		For Work In Restricted Working Space, Add	*19.62*	
40 05 23 23-0668	EA	3/4", Type 304, Schedule 40 Stainless Steel Cap	81.34	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-0669	EA	1", Type 304, Schedule 40 Stainless Steel Cap	91.28	34.34
		For Work In Restricted Working Space, Add	*22.89*	
40 05 23 23-0670	EA	1-1/4", Type 304, Schedule 40 Stainless Steel Cap	103.60	37.42
		For Work In Restricted Working Space, Add	*24.95*	
40 05 23 23-0671	EA	1-1/2", Type 304, Schedule 40 Stainless Steel Cap	110.78	41.32
		For Work In Restricted Working Space, Add	*27.55*	
40 05 23 23-0672	EA	2", Type 304, Schedule 40 Stainless Steel Cap	115.00	45.97
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0673	EA	2-1/2", Type 304, Schedule 40 Stainless Steel Cap	147.65	58.85
		For Work In Restricted Working Space, Add	*39.23*	
40 05 23 23-0674	EA	3", Type 304, Schedule 40 Stainless Steel Cap	170.67	68.98
		For Work In Restricted Working Space, Add	*45.98*	
40 05 23 23-0675	EA	4", Type 304, Schedule 40 Stainless Steel Cap	207.87	82.55
		For Work In Restricted Working Space, Add	*55.03*	
40 05 23 23-0676	EA	6", Type 304, Schedule 40 Stainless Steel Cap	286.02	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0677	EA	8", Type 304, Schedule 40 Stainless Steel Cap	482.81	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-0678	EA	10", Type 304, Schedule 40 Stainless Steel Cap	645.93	231.30
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-0679	EA	12", Type 304, Schedule 40 Stainless Steel Cap	973.85	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0680	EA	14", Type 304, Schedule 40 Stainless Steel Cap	1,117.83	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-0681	EA	16", Type 304, Schedule 40 Stainless Steel Cap	1,315.34	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-0682	EA	18", Type 304, Schedule 40 Stainless Steel Cap	1,651.63	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0683	EA	20", Type 304, Schedule 40 Stainless Steel Cap	2,274.22	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0684	EA	24", Type 304, Schedule 40 Stainless Steel Cap	3,389.83	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	

40 05 23 23-0685 Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0686 Type 316, Schedule 10 Stainless Steel Pipe *(40 05 23 23-0685)*

40 05 23 23-0687	LF	1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	19.55	5.17
		For Work In Restricted Working Space, Add	*3.10*	
40 05 23 23-0688	LF	3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	23.30	6.31
		For Work In Restricted Working Space, Add	*3.79*	
40 05 23 23-0689	LF	1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	30.71	7.46
		For Work In Restricted Working Space, Add	*4.44*	
40 05 23 23-0690	LF	1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	37.52	9.29
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0691	LF	1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	41.76	10.45
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-0692	LF	2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	51.65	12.97
		For Work In Restricted Working Space, Add	*7.75*	
40 05 23 23-0693	LF	2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	61.65	14.81
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 23-0694	LF	3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	72.62	16.64
		For Work In Restricted Working Space, Add	*9.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0695	LF	4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	90.98	19.74
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 23-0696	LF	6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	132.28	25.94
		For Work In Restricted Working Space, Add	*15.51*	
40 05 23 23-0697	LF	8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	221.52	45.82
		For Work In Restricted Working Space, Add	*29.44*	
40 05 23 23-0698	LF	10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	281.70	50.37
		For Work In Restricted Working Space, Add	*32.38*	
40 05 23 23-0699	LF	12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	336.50	56.01
		For Work In Restricted Working Space, Add	*35.98*	
40 05 23 23-0700	LF	14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	413.10	62.97
		For Work In Restricted Working Space, Add	*40.48*	
40 05 23 23-0701	LF	16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	455.26	71.96
		For Work In Restricted Working Space, Add	*46.26*	
40 05 23 23-0702	LF	18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	510.57	83.95
		For Work In Restricted Working Space, Add	*53.97*	
40 05 23 23-0703	LF	20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	706.45	100.74
		For Work In Restricted Working Space, Add	*64.76*	
40 05 23 23-0704	LF	24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting	920.49	125.93
		For Work In Restricted Working Space, Add	*80.95*	
40 05 23 23-0705		Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0685)*		
40 05 23 23-0706	EA	1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	137.53	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0707	EA	3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	145.58	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0708	EA	1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	160.54	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0709	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	175.87	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0710	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	193.15	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0711	EA	2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	215.95	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0712	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	281.69	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0713	EA	3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	331.57	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0714	EA	4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	407.19	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0715	EA	6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	565.81	206.23
		For Work In Restricted Working Space, Add	*137.49*	
40 05 23 23-0716	EA	8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	968.91	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0717	EA	10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	1,459.75	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0718	EA	12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,189.49	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0719	EA	14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	2,554.69	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0720	EA	16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,049.52	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0721	EA	18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	3,839.71	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0722	EA	20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	5,362.43	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0723	EA	24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow	7,714.12	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	
40 05 23 23-0724		Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0685)*		
40 05 23 23-0725	EA	1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	139.36	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0726	EA	3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	147.41	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0727	EA	1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	162.37	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0728	EA	1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	178.32	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0729	EA	1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	193.15	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0730	EA	2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	215.95	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0731	EA	2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	279.86	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0732	EA	3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	328.82	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0733	EA	4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	400.77	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0734	EA	6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	527.94	206.23
		For Work In Restricted Working Space, Add	*137.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0735	EA	8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	900.95	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0736	EA	10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	1,432.40	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0737	EA	12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,098.78	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0738	EA	14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,469.69	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0739	EA	16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	2,893.67	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0740	EA	18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	3,656.18	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0741	EA	20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	5,197.52	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0742	EA	24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow	7,494.48	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	

40 05 23 23-0743 Type 316, Schedule 10 Stainless Steel Butt Weld Tees *(40 05 23 23-0685)*

40 05 23 23-0744	EA	1/2", Type 316, Schedule 10 Stainless Steel Tee	187.05	74.83
		For Work In Restricted Working Space, Add	*49.88*	
40 05 23 23-0745	EA	3/4", Type 316, Schedule 10 Stainless Steel Tee	224.88	91.86
		For Work In Restricted Working Space, Add	*61.23*	
40 05 23 23-0746	EA	1", Type 316, Schedule 10 Stainless Steel Tee	250.11	103.20
		For Work In Restricted Working Space, Add	*68.80*	
40 05 23 23-0747	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Tee	287.52	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0748	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Tee	303.32	126.33
		For Work In Restricted Working Space, Add	*84.22*	
40 05 23 23-0749	EA	2", Type 316, Schedule 10 Stainless Steel Tee	329.40	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0750	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Tee	401.08	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0751	EA	3", Type 316, Schedule 10 Stainless Steel Tee	502.84	206.90
		For Work In Restricted Working Space, Add	*137.93*	
40 05 23 23-0752	EA	4", Type 316, Schedule 10 Stainless Steel Tee	579.23	232.21
		For Work In Restricted Working Space, Add	*154.80*	
40 05 23 23-0753	EA	6", Type 316, Schedule 10 Stainless Steel Tee	859.05	309.60
		For Work In Restricted Working Space, Add	*206.40*	
40 05 23 23-0754	EA	8", Type 316, Schedule 10 Stainless Steel Tee	1,441.94	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0755	EA	10", Type 316, Schedule 10 Stainless Steel Tee	2,252.16	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0756	EA	12", Type 316, Schedule 10 Stainless Steel Tee	2,901.20	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0757	EA	14", Type 316, Schedule 10 Stainless Steel Tee	3,730.94	1,042.32
		For Work In Restricted Working Space, Add	*694.88*	
40 05 23 23-0758	EA	16", Type 316, Schedule 10 Stainless Steel Tee	4,401.61	1,271.51
		For Work In Restricted Working Space, Add	*847.68*	
40 05 23 23-0759	EA	18", Type 316, Schedule 10 Stainless Steel Tee	5,594.23	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0760	EA	20", Type 316, Schedule 10 Stainless Steel Tee	7,549.70	2,130.34
		For Work In Restricted Working Space, Add	*1,420.23*	
40 05 23 23-0761	EA	24", Type 316, Schedule 10 Stainless Steel Tee	10,782.29	3,238.12
		For Work In Restricted Working Space, Add	*2,158.75*	

40 05 23 23-0762 Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0685)*

40 05 23 23-0763	EA	3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	178.32	62.51
		For Work In Restricted Working Space, Add	*41.68*	
40 05 23 23-0764	EA	1", Type 316, Schedule 10 Stainless Steel Reducing Tee	211.46	76.60
		For Work In Restricted Working Space, Add	*51.07*	
40 05 23 23-0765	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Reducing Tee	259.69	86.07
		For Work In Restricted Working Space, Add	*57.38*	
40 05 23 23-0766	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	265.09	98.12
		For Work In Restricted Working Space, Add	*65.42*	
40 05 23 23-0767	EA	2", Type 316, Schedule 10 Stainless Steel Reducing Tee	281.34	105.43
		For Work In Restricted Working Space, Add	*70.29*	
40 05 23 23-0768	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Reducing Tee	386.98	114.90
		For Work In Restricted Working Space, Add	*76.60*	
40 05 23 23-0769	EA	3", Type 316, Schedule 10 Stainless Steel Reducing Tee	373.57	137.73
		For Work In Restricted Working Space, Add	*91.82*	
40 05 23 23-0770	EA	4", Type 316, Schedule 10 Stainless Steel Reducing Tee	504.70	172.14
		For Work In Restricted Working Space, Add	*114.76*	
40 05 23 23-0771	EA	6", Type 316, Schedule 10 Stainless Steel Reducing Tee	718.99	196.69
		For Work In Restricted Working Space, Add	*131.12*	
40 05 23 23-0772	EA	8", Type 316, Schedule 10 Stainless Steel Reducing Tee	1,403.15	289.12
		For Work In Restricted Working Space, Add	*192.74*	
40 05 23 23-0773	EA	10", Type 316, Schedule 10 Stainless Steel Reducing Tee	2,581.19	385.49
		For Work In Restricted Working Space, Add	*257.00*	
40 05 23 23-0774	EA	12", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,374.67	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0775	EA	14", Type 316, Schedule 10 Stainless Steel Reducing Tee	3,836.62	694.68
		For Work In Restricted Working Space, Add	*463.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0776	EA	16", Type 316, Schedule 10 Stainless Steel Reducing Tee	4,754.65	847.38
		For Work In Restricted Working Space, Add	*564.92*	
40 05 23 23-0777	EA	18", Type 316, Schedule 10 Stainless Steel Reducing Tee	6,143.30	1,079.38
		For Work In Restricted Working Space, Add	*719.58*	
40 05 23 23-0778	EA	20", Type 316, Schedule 10 Stainless Steel Reducing Tee	8,763.82	1,420.23
		For Work In Restricted Working Space, Add	*946.82*	
40 05 23 23-0779	EA	24", Type 316, Schedule 10 Stainless Steel Reducing Tee	13,724.36	2,156.83
		For Work In Restricted Working Space, Add	*1,437.89*	

40 05 23 23-0780 Type 316, Schedule 10 Stainless Steel Butt Weld Reducers *(40 05 23 23-0685)*

40 05 23 23-0781	EA	3/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	139.46	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0782	EA	1", Type 316, Schedule 10 Stainless Steel Concentric Reducer	153.86	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0783	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	171.70	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0784	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	179.76	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0785	EA	2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	195.59	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0786	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Concentric Reducer	258.17	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0787	EA	3", Type 316, Schedule 10 Stainless Steel Concentric Reducer	300.70	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0788	EA	4", Type 316, Schedule 10 Stainless Steel Concentric Reducer	329.44	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0789	EA	6", Type 316, Schedule 10 Stainless Steel Concentric Reducer	457.31	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0790	EA	8", Type 316, Schedule 10 Stainless Steel Concentric Reducer	716.82	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0791	EA	10", Type 316, Schedule 10 Stainless Steel Concentric Reducer	928.02	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0792	EA	12", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,241.73	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0793	EA	14", Type 316, Schedule 10 Stainless Steel Concentric Reducer	1,763.44	607.15
		For Work In Restricted Working Space, Add	*404.77*	
40 05 23 23-0794	EA	16", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,047.19	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0795	EA	18", Type 316, Schedule 10 Stainless Steel Concentric Reducer	2,535.12	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0796	EA	20", Type 316, Schedule 10 Stainless Steel Concentric Reducer	3,564.96	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0797	EA	24", Type 316, Schedule 10 Stainless Steel Concentric Reducer	5,189.06	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	
40 05 23 23-0798	EA	3/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	163.20	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0799	EA	1", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	182.05	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0800	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	205.13	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0801	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	218.85	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0802	EA	2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	219.72	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0803	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	291.52	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0804	EA	3", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	334.91	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0805	EA	4", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	375.83	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0806	EA	6", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	537.03	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0807	EA	8", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	889.58	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0808	EA	10", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,225.55	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0809	EA	12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	1,550.47	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0810	EA	14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,348.92	607.15
		For Work In Restricted Working Space, Add	*404.77*	
40 05 23 23-0811	EA	16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	2,754.83	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0812	EA	18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	3,414.30	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0813	EA	20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	4,971.05	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0814	EA	24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer	6,858.90	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	

40 05 23 23-0815 Type 316, Schedule 10 Stainless Steel Butt Weld Caps *(40 05 23 23-0685)*

40 05 23 23-0816	EA	1/2", Type 316, Schedule 10 Stainless Steel Cap	78.85	29.44
		For Work In Restricted Working Space, Add	*19.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0817	EA	3/4", Type 316, Schedule 10 Stainless Steel Cap	87.45	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-0818	EA	1", Type 316, Schedule 10 Stainless Steel Cap	95.86	34.34
		For Work In Restricted Working Space, Add	*22.89*	
40 05 23 23-0819	EA	1-1/4", Type 316, Schedule 10 Stainless Steel Cap	104.82	37.42
		For Work In Restricted Working Space, Add	*24.95*	
40 05 23 23-0820	EA	1-1/2", Type 316, Schedule 10 Stainless Steel Cap	113.22	41.32
		For Work In Restricted Working Space, Add	*27.55*	
40 05 23 23-0821	EA	2", Type 316, Schedule 10 Stainless Steel Cap	118.97	45.97
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0822	EA	2-1/2", Type 316, Schedule 10 Stainless Steel Cap	148.54	58.85
		For Work In Restricted Working Space, Add	*39.23*	
40 05 23 23-0823	EA	3", Type 316, Schedule 10 Stainless Steel Cap	175.86	68.98
		For Work In Restricted Working Space, Add	*45.98*	
40 05 23 23-0824	EA	4", Type 316, Schedule 10 Stainless Steel Cap	210.62	82.55
		For Work In Restricted Working Space, Add	*55.03*	
40 05 23 23-0825	EA	6", Type 316, Schedule 10 Stainless Steel Cap	274.72	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0826	EA	8", Type 316, Schedule 10 Stainless Steel Cap	466.64	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-0827	EA	10", Type 316, Schedule 10 Stainless Steel Cap	619.05	231.30
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-0828	EA	12", Type 316, Schedule 10 Stainless Steel Cap	911.79	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0829	EA	14", Type 316, Schedule 10 Stainless Steel Cap	1,060.47	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-0830	EA	16", Type 316, Schedule 10 Stainless Steel Cap	1,219.34	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-0831	EA	18", Type 316, Schedule 10 Stainless Steel Cap	1,536.78	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0832	EA	20", Type 316, Schedule 10 Stainless Steel Cap	2,129.22	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0833	EA	24", Type 316, Schedule 10 Stainless Steel Cap	3,217.42	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	

40 05 23 23-0834 Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings *(40 05 23 23-0231)*

40 05 23 23-0835 Type 316, Schedule 40 Stainless Steel Pipe *(40 05 23 23-0834)*

40 05 23 23-0836	LF	1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	22.01	5.17
		For Work In Restricted Working Space, Add	*3.10*	
40 05 23 23-0837	LF	3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	26.75	6.31
		For Work In Restricted Working Space, Add	*3.79*	
40 05 23 23-0838	LF	1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	32.74	7.46
		For Work In Restricted Working Space, Add	*4.44*	
40 05 23 23-0839	LF	1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	40.92	9.18
		For Work In Restricted Working Space, Add	*5.55*	
40 05 23 23-0840	LF	1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	47.11	10.32
		For Work In Restricted Working Space, Add	*6.26*	
40 05 23 23-0841	LF	2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	60.32	13.19
		For Work In Restricted Working Space, Add	*7.75*	
40 05 23 23-0842	LF	2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	74.74	14.92
		For Work In Restricted Working Space, Add	*8.86*	
40 05 23 23-0843	LF	3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	73.06	16.64
		For Work In Restricted Working Space, Add	*9.98*	
40 05 23 23-0844	LF	4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	119.84	19.51
		For Work In Restricted Working Space, Add	*11.81*	
40 05 23 23-0845	LF	6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	186.15	25.82
		For Work In Restricted Working Space, Add	*15.51*	
40 05 23 23-0846	LF	8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	328.61	45.57
		For Work In Restricted Working Space, Add	*29.44*	
40 05 23 23-0847	LF	10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	415.25	50.37
		For Work In Restricted Working Space, Add	*32.38*	
40 05 23 23-0848	LF	12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting	516.87	55.76
		For Work In Restricted Working Space, Add	*35.98*	

40 05 23 23-0849 Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0850	EA	1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	139.06	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0851	EA	3/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	147.11	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0852	EA	1", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	162.07	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0853	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	176.54	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0854	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	194.68	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0855	EA	2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	219.61	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0856	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	292.99	117.68
		For Work In Restricted Working Space, Add	*78.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0857	EA	3", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	347.45	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0858	EA	4", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	442.01	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0859	EA	6", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	687.98	206.23
		For Work In Restricted Working Space, Add	*137.49*	
40 05 23 23-0860	EA	8", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,202.77	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0861	EA	10", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	1,971.04	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0862	EA	12", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	2,807.99	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0863	EA	14", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,138.47	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0864	EA	16", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	3,811.66	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0865	EA	18", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	4,867.59	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0866	EA	20", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	6,571.39	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0867	EA	24", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow	9,538.99	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	

40 05 23 23-0868 Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows *(40 05 23 23-0834)*

40 05 23 23-0869	EA	1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	142.11	58.88
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-0870	EA	3/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	150.16	62.49
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-0871	EA	1", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	163.90	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0872	EA	1-1/4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	177.43	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0873	EA	1-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	196.51	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0874	EA	2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	219.61	91.96
		For Work In Restricted Working Space, Add	*61.30*	
40 05 23 23-0875	EA	2-1/2", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	292.99	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0876	EA	3", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	335.54	137.93
		For Work In Restricted Working Space, Add	*91.96*	
40 05 23 23-0877	EA	4", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	419.40	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0878	EA	6", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	595.13	206.23
		For Work In Restricted Working Space, Add	*137.49*	
40 05 23 23-0879	EA	8", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,039.18	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0880	EA	10", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	1,594.03	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0881	EA	12", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,303.28	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0882	EA	14", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,616.11	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0883	EA	16", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	2,954.68	923.42
		For Work In Restricted Working Space, Add	*615.61*	
40 05 23 23-0884	EA	18", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	3,800.71	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0885	EA	20", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	5,164.06	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0886	EA	24", Type 316, Schedule 40 Stainless Steel 45 Degree Elbow	7,659.55	2,312.94
		For Work In Restricted Working Space, Add	*1,541.96*	

40 05 23 23-0887 Type 316, Schedule 40 Stainless Steel Butt Weld Tees *(40 05 23 23-0834)*

40 05 23 23-0888	EA	1/2", Type 316, Schedule 40 Stainless Steel Tee	188.88	74.83
		For Work In Restricted Working Space, Add	*49.88*	
40 05 23 23-0889	EA	3/4", Type 316, Schedule 40 Stainless Steel Tee	226.71	91.86
		For Work In Restricted Working Space, Add	*61.23*	
40 05 23 23-0890	EA	1", Type 316, Schedule 40 Stainless Steel Tee	251.94	103.20
		For Work In Restricted Working Space, Add	*68.80*	
40 05 23 23-0891	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Tee	290.18	117.68
		For Work In Restricted Working Space, Add	*78.46*	
40 05 23 23-0892	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Tee	303.32	126.33
		For Work In Restricted Working Space, Add	*84.22*	
40 05 23 23-0893	EA	2", Type 316, Schedule 40 Stainless Steel Tee	330.62	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0894	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Tee	411.96	165.09
		For Work In Restricted Working Space, Add	*110.06*	
40 05 23 23-0895	EA	3", Type 316, Schedule 40 Stainless Steel Tee	508.64	206.90
		For Work In Restricted Working Space, Add	*137.93*	
40 05 23 23-0896	EA	4", Type 316, Schedule 40 Stainless Steel Tee	589.31	232.21
		For Work In Restricted Working Space, Add	*154.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0897	EA	6", Type 316, Schedule 40 Stainless Steel Tee	930.83	309.60
		For Work In Restricted Working Space, Add	*206.40*	
40 05 23 23-0898	EA	8", Type 316, Schedule 40 Stainless Steel Tee	1,626.35	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0899	EA	10", Type 316, Schedule 40 Stainless Steel Tee	2,739.04	693.88
		For Work In Restricted Working Space, Add	*462.59*	
40 05 23 23-0900	EA	12", Type 316, Schedule 40 Stainless Steel Tee	3,367.97	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0901	EA	14", Type 316, Schedule 40 Stainless Steel Tee	4,828.96	1,042.32
		For Work In Restricted Working Space, Add	*694.88*	
40 05 23 23-0902	EA	16", Type 316, Schedule 40 Stainless Steel Tee	5,983.89	1,271.51
		For Work In Restricted Working Space, Add	*847.68*	
40 05 23 23-0903	EA	18", Type 316, Schedule 40 Stainless Steel Tee	7,751.15	1,619.06
		For Work In Restricted Working Space, Add	*1,079.37*	
40 05 23 23-0904	EA	20", Type 316, Schedule 40 Stainless Steel Tee	10,069.67	2,130.34
		For Work In Restricted Working Space, Add	*1,420.23*	
40 05 23 23-0905	EA	24", Type 316, Schedule 40 Stainless Steel Tee	14,421.84	3,238.12
		For Work In Restricted Working Space, Add	*2,158.75*	

40 05 23 23-0906 Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees *(40 05 23 23-0834)*

40 05 23 23-0907	EA	3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	184.12	62.51
		For Work In Restricted Working Space, Add	*41.68*	
40 05 23 23-0908	EA	1", Type 316, Schedule 40 Stainless Steel Reducing Tee	215.43	76.60
		For Work In Restricted Working Space, Add	*51.07*	
40 05 23 23-0909	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee	284.12	86.07
		For Work In Restricted Working Space, Add	*57.38*	
40 05 23 23-0910	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	274.55	98.12
		For Work In Restricted Working Space, Add	*65.42*	
40 05 23 23-0911	EA	2", Type 316, Schedule 40 Stainless Steel Reducing Tee	281.34	105.43
		For Work In Restricted Working Space, Add	*70.29*	
40 05 23 23-0912	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee	388.81	114.90
		For Work In Restricted Working Space, Add	*76.60*	
40 05 23 23-0913	EA	3", Type 316, Schedule 40 Stainless Steel Reducing Tee	386.70	137.73
		For Work In Restricted Working Space, Add	*91.82*	
40 05 23 23-0914	EA	4", Type 316, Schedule 40 Stainless Steel Reducing Tee	517.84	172.14
		For Work In Restricted Working Space, Add	*114.76*	
40 05 23 23-0915	EA	6", Type 316, Schedule 40 Stainless Steel Reducing Tee	727.24	196.69
		For Work In Restricted Working Space, Add	*131.12*	
40 05 23 23-0916	EA	8", Type 316, Schedule 40 Stainless Steel Reducing Tee	1,240.86	289.12
		For Work In Restricted Working Space, Add	*192.74*	
40 05 23 23-0917	EA	10", Type 316, Schedule 40 Stainless Steel Reducing Tee	2,621.77	385.49
		For Work In Restricted Working Space, Add	*257.00*	
40 05 23 23-0918	EA	12", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,455.82	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0919	EA	14", Type 316, Schedule 40 Stainless Steel Reducing Tee	3,925.66	694.68
		For Work In Restricted Working Space, Add	*463.12*	
40 05 23 23-0920	EA	16", Type 316, Schedule 40 Stainless Steel Reducing Tee	4,866.16	847.38
		For Work In Restricted Working Space, Add	*564.92*	
40 05 23 23-0921	EA	18", Type 316, Schedule 40 Stainless Steel Reducing Tee	6,288.72	1,079.38
		For Work In Restricted Working Space, Add	*719.58*	
40 05 23 23-0922	EA	20", Type 316, Schedule 40 Stainless Steel Reducing Tee	8,981.59	1,420.23
		For Work In Restricted Working Space, Add	*946.82*	
40 05 23 23-0923	EA	24", Type 316, Schedule 40 Stainless Steel Reducing Tee	14,071.19	2,156.83
		For Work In Restricted Working Space, Add	*1,437.89*	

40 05 23 23-0924 Type 316, Schedule 40 Stainless Steel Butt Weld Reducers *(40 05 23 23-0834)*

40 05 23 23-0925	EA	3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	144.35	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0926	EA	1", Type 316, Schedule 40 Stainless Steel Concentric Reducer	158.74	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0927	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	173.92	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0928	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	185.26	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0929	EA	2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	198.95	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0930	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer	268.92	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0931	EA	3", Type 316, Schedule 40 Stainless Steel Concentric Reducer	288.79	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0932	EA	4", Type 316, Schedule 40 Stainless Steel Concentric Reducer	333.68	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0933	EA	6", Type 316, Schedule 40 Stainless Steel Concentric Reducer	459.45	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0934	EA	8", Type 316, Schedule 40 Stainless Steel Concentric Reducer	780.73	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0935	EA	10", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,048.42	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0936	EA	12", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,328.15	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0937	EA	14", Type 316, Schedule 40 Stainless Steel Concentric Reducer	1,928.05	607.15
		For Work In Restricted Working Space, Add	*404.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0938	EA	16", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,222.39	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0939	EA	18", Type 316, Schedule 40 Stainless Steel Concentric Reducer	2,972.73	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0940	EA	20", Type 316, Schedule 40 Stainless Steel Concentric Reducer	4,033.06	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0941	EA	24", Type 316, Schedule 40 Stainless Steel Concentric Reducer	5,780.14	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	
40 05 23 23-0942	EA	3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	178.86	56.86
		For Work In Restricted Working Space, Add	*37.90*	
40 05 23 23-0943	EA	1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	190.20	61.95
		For Work In Restricted Working Space, Add	*41.30*	
40 05 23 23-0944	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	221.02	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-0945	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	228.32	74.85
		For Work In Restricted Working Space, Add	*49.90*	
40 05 23 23-0946	EA	2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	244.77	82.65
		For Work In Restricted Working Space, Add	*55.10*	
40 05 23 23-0947	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	291.52	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0948	EA	3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	377.06	117.58
		For Work In Restricted Working Space, Add	*78.39*	
40 05 23 23-0949	EA	4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	409.43	137.78
		For Work In Restricted Working Space, Add	*91.86*	
40 05 23 23-0950	EA	6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	583.76	175.42
		For Work In Restricted Working Space, Add	*116.94*	
40 05 23 23-0951	EA	8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	873.75	277.55
		For Work In Restricted Working Space, Add	*185.04*	
40 05 23 23-0952	EA	10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,252.92	346.94
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0953	EA	12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	1,737.18	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-0954	EA	14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	2,615.27	607.15
		For Work In Restricted Working Space, Add	*404.77*	
40 05 23 23-0955	EA	16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	3,013.52	691.90
		For Work In Restricted Working Space, Add	*461.27*	
40 05 23 23-0956	EA	18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	4,054.21	867.35
		For Work In Restricted Working Space, Add	*578.24*	
40 05 23 23-0957	EA	20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	5,209.70	1,156.48
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-0958	EA	24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer	7,810.15	1,734.71
		For Work In Restricted Working Space, Add	*1,156.47*	

40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps *(40 05 23 23-0834)*

40 05 23 23-0960	EA	1/2", Type 316, Schedule 40 Stainless Steel Cap	79.46	29.44
		For Work In Restricted Working Space, Add	*19.62*	
40 05 23 23-0961	EA	3/4", Type 316, Schedule 40 Stainless Steel Cap	87.15	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-0962	EA	1", Type 316, Schedule 40 Stainless Steel Cap	96.47	34.34
		For Work In Restricted Working Space, Add	*22.89*	
40 05 23 23-0963	EA	1-1/4", Type 316, Schedule 40 Stainless Steel Cap	110.48	37.42
		For Work In Restricted Working Space, Add	*24.95*	
40 05 23 23-0964	EA	1-1/2", Type 316, Schedule 40 Stainless Steel Cap	108.64	41.32
		For Work In Restricted Working Space, Add	*27.55*	
40 05 23 23-0965	EA	2", Type 316, Schedule 40 Stainless Steel Cap	123.24	45.97
		For Work In Restricted Working Space, Add	*30.65*	
40 05 23 23-0966	EA	2-1/2", Type 316, Schedule 40 Stainless Steel Cap	154.09	58.85
		For Work In Restricted Working Space, Add	*39.23*	
40 05 23 23-0967	EA	3", Type 316, Schedule 40 Stainless Steel Cap	176.78	68.98
		For Work In Restricted Working Space, Add	*45.98*	
40 05 23 23-0968	EA	4", Type 316, Schedule 40 Stainless Steel Cap	217.34	82.55
		For Work In Restricted Working Space, Add	*55.03*	
40 05 23 23-0969	EA	6", Type 316, Schedule 40 Stainless Steel Cap	302.82	103.28
		For Work In Restricted Working Space, Add	*68.86*	
40 05 23 23-0970	EA	8", Type 316, Schedule 40 Stainless Steel Cap	519.42	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-0971	EA	10", Type 316, Schedule 40 Stainless Steel Cap	696.72	231.30
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-0972	EA	12", Type 316, Schedule 40 Stainless Steel Cap	1,038.83	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-0973	EA	14", Type 316, Schedule 40 Stainless Steel Cap	1,183.59	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-0974	EA	16", Type 316, Schedule 40 Stainless Steel Cap	1,329.61	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-0975	EA	18", Type 316, Schedule 40 Stainless Steel Cap	1,698.25	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-0976	EA	20", Type 316, Schedule 40 Stainless Steel Cap	2,332.49	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-0977	EA	24", Type 316, Schedule 40 Stainless Steel Cap	3,613.28	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	

40 05 23 23-0978 Valves *(40 05 23 23-0231)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0979		**Gate Valves, Class 150** *(40 05 23 23-0978)*		
40 05 23 23-0980	EA	1/2" Gate Valve, Stainless Steel, Flanged	706.64	59.01
		For Work In Restricted Working Space, Add	*22.13*	
		For Class 300, Add	*594.90*	
		For Class 200, Deduct	*-169.29*	
40 05 23 23-0981	EA	3/4" Gate Valve, Stainless Steel, Flanged	767.30	61.47
		For Work In Restricted Working Space, Add	*25.82*	
		For Class 300, Add	*640.36*	
		For Class 200, Deduct	*-182.23*	
40 05 23 23-0982	EA	1" Gate Valve, Stainless Steel, Flanged	944.85	92.21
		For Work In Restricted Working Space, Add	*34.80*	
		For Class 300, Add	*779.13*	
		For Class 200, Deduct	*-221.72*	
40 05 23 23-0983	EA	1-1/4" Gate Valve, Stainless Steel, Flanged	1,192.32	107.58
		For Work In Restricted Working Space, Add	*40.09*	
		For Class 300, Add	*995.16*	
		For Class 200, Deduct	*-283.20*	
40 05 23 23-0984	EA	1-1/2" Gate Valve, Stainless Steel, Flanged	1,342.84	135.42
		For Work In Restricted Working Space, Add	*50.78*	
		For Class 300, Add	*1,103.16*	
		For Class 200, Deduct	*-313.93*	
40 05 23 23-0985	EA	2" Gate Valve, Stainless Steel, Flanged	1,593.74	163.89
		For Work In Restricted Working Space, Add	*61.47*	
		For Class 300, Add	*1,305.50*	
		For Class 200, Deduct	*-371.51*	
40 05 23 23-0986	EA	2-1/2" Gate Valve, Stainless Steel, Flanged	2,295.56	178.28
		For Work In Restricted Working Space, Add	*67.06*	
		For Class 300, Add	*1,947.70*	
40 05 23 23-0987	EA	3" Gate Valve, Stainless Steel, Flanged	2,584.69	209.01
		For Work In Restricted Working Space, Add	*78.48*	
		For Class 300, Add	*2,183.71*	
40 05 23 23-0988	EA	4" Gate Valve, Stainless Steel, Flanged	3,410.90	350.40
		For Work In Restricted Working Space, Add	*131.73*	
		For Class 300, Add	*2,793.49*	
40 05 23 23-0989	EA	6" Gate Valve, Stainless Steel, Flanged	5,720.95	442.61
		For Work In Restricted Working Space, Add	*166.58*	
		For Class 300, Add	*4,855.76*	
40 05 23 23-0990	EA	8" Gate Valve, Stainless Steel, Flanged	12,523.71	565.56
		For Work In Restricted Working Space, Add	*210.77*	
		For Class 300, Add	*11,111.89*	
40 05 23 23-0991	EA	10" Gate Valve, Stainless Steel, Flanged	17,660.88	688.51
		For Work In Restricted Working Space, Add	*258.19*	
		For Class 300, Add	*15,792.24*	
40 05 23 23-0992	EA	12" Gate Valve, Stainless Steel, Flanged	26,611.13	836.04
		For Work In Restricted Working Space, Add	*312.96*	
		For Class 300, Add	*24,033.86*	
40 05 23 23-0993		**Globe Valves, Class 150** *(40 05 23 23-0978)*		
40 05 23 23-0994	EA	1/2" Globe Valve, Stainless Steel, Flanged	967.79	59.01
		For Work In Restricted Working Space, Add	*22.13*	
		For Class 200, Deduct	*-239.15*	
		For Class 300, Add	*840.38*	
40 05 23 23-0995	EA	3/4" Globe Valve, Stainless Steel, Flanged	1,070.78	61.47
		For Work In Restricted Working Space, Add	*25.82*	
		For Class 200, Deduct	*-263.41*	
		For Class 300, Add	*925.63*	
40 05 23 23-0996	EA	1" Globe Valve, Stainless Steel, Flanged	1,333.92	92.21
		For Work In Restricted Working Space, Add	*34.80*	
		For Class 200, Deduct	*-325.80*	
		For Class 300, Add	*1,144.85*	
40 05 23 23-0997	EA	1-1/2" Globe Valve, Stainless Steel, Flanged	1,983.21	135.42
		For Work In Restricted Working Space, Add	*50.78*	
		For Class 200, Deduct	*-485.23*	
		For Class 300, Add	*1,705.10*	
40 05 23 23-0998	EA	2" Globe Valve, Stainless Steel, Flanged	2,420.52	163.89
		For Work In Restricted Working Space, Add	*61.47*	
		For Class 200, Deduct	*-592.68*	
		For Class 300, Add	*2,082.67*	
40 05 23 23-0999	EA	2-1/2" Globe Valve, Stainless Steel, Flanged	4,887.99	178.28
		For Work In Restricted Working Space, Add	*67.06*	
		For Class 300, Add	*4,384.58*	
40 05 23 23-1000	EA	3" Globe Valve, Stainless Steel, Flanged	5,055.61	209.01
		For Work In Restricted Working Space, Add	*78.48*	
		For Class 300, Add	*4,506.38*	
40 05 23 23-1001	EA	4" Globe Valve, Stainless Steel, Flanged	6,010.51	350.40
		For Work In Restricted Working Space, Add	*131.73*	
		For Class 300, Add	*5,237.13*	
40 05 23 23-1002	EA	6" Globe Valve, Stainless Steel, Flanged	11,115.02	442.61
		For Work In Restricted Working Space, Add	*166.58*	
		For Class 300, Add	*9,926.18*	
40 05 23 23-1003		**Check Valves, Class 150** *(40 05 23 23-0978)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1004	EA	2-1/2" Check Valve, Stainless Steel, Flanged	2,196.13	178.28
		For Class 300, Add	*1,854.23*	
		For Work In Restricted Working Space, Add	*67.06*	
40 05 23 23-1005	EA	3" Check Valve, Stainless Steel, Flanged	2,295.69	209.01
		For Class 300, Add	*1,912.05*	
		For Work In Restricted Working Space, Add	*78.48*	
40 05 23 23-1006	EA	4" Check Valve, Stainless Steel, Flanged	3,604.76	350.40
		For Class 300, Add	*2,975.72*	
		For Work In Restricted Working Space, Add	*131.73*	
40 05 23 23-1007	EA	6" Check Valve, Stainless Steel, Flanged	6,213.03	442.61
		For Class 300, Add	*5,318.31*	
		For Work In Restricted Working Space, Add	*166.58*	
40 05 23 23-1008	EA	8" Check Valve, Stainless Steel, Flanged	10,940.42	565.56
		For Class 300, Add	*9,623.60*	
		For Work In Restricted Working Space, Add	*210.77*	

40 05 23 23-1009 Stainless Steel Thread-O-Let Fittings *(40 05 23 23-0231)*

40 05 23 23-1010	EA	1/2", Stainless Steel Thread-o-let Fitting	94.85	35.69
		For Work In Restricted Working Space, Add	*23.80*	
40 05 23 23-1011	EA	3/4", Stainless Steel Thread-o-let Fitting	125.17	47.59
		For Work In Restricted Working Space, Add	*31.73*	
40 05 23 23-1012	EA	1", Stainless Steel Thread-o-let Fitting	154.25	59.01
		For Work In Restricted Working Space, Add	*39.34*	
40 05 23 23-1013	EA	1-1/4", Stainless Steel Thread-o-let Fitting	221.44	83.51
		For Work In Restricted Working Space, Add	*55.67*	
40 05 23 23-1014	EA	1-1/2", Stainless Steel Thread-o-let Fitting	245.13	94.18
		For Work In Restricted Working Space, Add	*62.78*	
40 05 23 23-1015	EA	2", Stainless Steel Thread-o-let Fitting	306.66	119.63
		For Work In Restricted Working Space, Add	*79.75*	
40 05 23 23-1016	EA	2-1/2", Stainless Steel Thread-o-let Fitting	546.79	184.42
		For Work In Restricted Working Space, Add	*122.95*	
40 05 23 23-1017	EA	3", Stainless Steel Thread-o-let Fitting	731.98	235.44
		For Work In Restricted Working Space, Add	*156.95*	
40 05 23 23-1018	EA	4", Stainless Steel Thread-o-let Fitting	964.58	295.07
		For Work In Restricted Working Space, Add	*196.72*	

40 05 23 23-1019 Stainless Steel Flanges *(40 05 23 23-0231)*

40 05 23 23-1020 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1021	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	73.75	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-1022	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	90.76	26.45
		For Work In Restricted Working Space, Add	*15.86*	
40 05 23 23-1023	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	108.00	32.79
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-1024	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	146.59	46.40
		For Work In Restricted Working Space, Add	*27.84*	
40 05 23 23-1025	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	158.44	52.32
		For Work In Restricted Working Space, Add	*31.39*	
40 05 23 23-1026	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	203.40	66.45
		For Work In Restricted Working Space, Add	*39.88*	
40 05 23 23-1027	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	303.40	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-1028	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	364.63	209.01
		For Work In Restricted Working Space, Add	*78.48*	
40 05 23 23-1029	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	468.78	163.89
		For Work In Restricted Working Space, Add	*98.36*	

40 05 23 23-1030 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange *(40 05 23 23-1019)*

40 05 23 23-1031	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	93.46	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-1032	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	106.68	26.45
		For Work In Restricted Working Space, Add	*15.86*	
40 05 23 23-1033	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	119.37	32.79
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-1034	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	175.40	46.40
		For Work In Restricted Working Space, Add	*27.84*	
40 05 23 23-1035	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	187.25	52.32
		For Work In Restricted Working Space, Add	*31.39*	
40 05 23 23-1036	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	232.94	66.45
		For Work In Restricted Working Space, Add	*39.88*	
40 05 23 23-1037	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	369.33	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-1038	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	432.05	209.01
		For Work In Restricted Working Space, Add	*78.48*	
40 05 23 23-1039	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Threaded Flange	572.59	163.89
		For Work In Restricted Working Space, Add	*98.36*	

40 05 23 23-1040 150 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1041	EA	1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	99.50	29.43
		For Work In Restricted Working Space, Add	*19.62*	
40 05 23 23-1042	EA	3/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	107.31	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-1043	EA	1", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	120.25	34.34
		For Work In Restricted Working Space, Add	*22.90*	
40 05 23 23-1044	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	146.15	37.44
		For Work In Restricted Working Space, Add	*24.97*	
40 05 23 23-1045	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	154.65	41.28
		For Work In Restricted Working Space, Add	*27.52*	
40 05 23 23-1046	EA	2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	171.91	45.98
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-1047	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	236.02	58.81
		For Work In Restricted Working Space, Add	*39.20*	
40 05 23 23-1048	EA	3", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	268.17	68.84
		For Work In Restricted Working Space, Add	*45.90*	
40 05 23 23-1049	EA	4", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	343.95	82.49
		For Work In Restricted Working Space, Add	*55.00*	
40 05 23 23-1050	EA	6", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	506.35	103.07
		For Work In Restricted Working Space, Add	*68.72*	
40 05 23 23-1051	EA	8", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	855.21	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-1052	EA	10", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	1,207.20	231.28
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-1053	EA	12", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	1,852.85	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1054	EA	14", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,305.37	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1055	EA	16", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	2,860.61	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-1056	EA	18", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	3,513.60	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-1057	EA	20", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	4,575.49	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-1058	EA	24", 150 Lb., Type 304 Stainless Steel Weld Neck Flange	6,504.55	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-1059		300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*		
40 05 23 23-1060	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	123.00	29.43
		For Work In Restricted Working Space, Add	*19.62*	
40 05 23 23-1061	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	127.02	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-1062	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	133.91	34.34
		For Work In Restricted Working Space, Add	*22.90*	
40 05 23 23-1063	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	172.62	37.44
		For Work In Restricted Working Space, Add	*24.97*	
40 05 23 23-1064	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	181.12	41.28
		For Work In Restricted Working Space, Add	*27.52*	
40 05 23 23-1065	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	194.63	45.98
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-1066	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	275.39	58.81
		For Work In Restricted Working Space, Add	*39.20*	
40 05 23 23-1067	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	312.10	68.84
		For Work In Restricted Working Space, Add	*45.90*	
40 05 23 23-1068	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	446.96	82.49
		For Work In Restricted Working Space, Add	*55.00*	
40 05 23 23-1069	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	623.01	103.07
		For Work In Restricted Working Space, Add	*68.72*	
40 05 23 23-1070	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,146.13	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-1071	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	1,591.33	231.28
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-1072	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	2,340.79	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1073	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	3,076.69	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1074	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	3,783.03	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-1075	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	4,827.09	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-1076	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	6,256.04	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-1077	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Weld Neck Flange	9,100.07	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	
40 05 23 23-1078		150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*		
40 05 23 23-1079	EA	1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	161.11	58.86
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-1080	EA	3/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	169.93	62.47
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-1081	EA	1", 150 Lb., Type 304 Stainless Steel Slip-On Flange	186.70	68.67
		For Work In Restricted Working Space, Add	*45.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1082	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	212.68	74.91
		For Work In Restricted Working Space, Add	*49.94*	
40 05 23 23-1083	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	229.70	82.56
		For Work In Restricted Working Space, Add	*55.04*	
40 05 23 23-1084	EA	2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	264.26	91.97
		For Work In Restricted Working Space, Add	*61.31*	
40 05 23 23-1085	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Slip-On Flange	345.46	117.61
		For Work In Restricted Working Space, Add	*78.41*	
40 05 23 23-1086	EA	3", 150 Lb., Type 304 Stainless Steel Slip-On Flange	396.19	137.69
		For Work In Restricted Working Space, Add	*91.80*	
40 05 23 23-1087	EA	4", 150 Lb., Type 304 Stainless Steel Slip-On Flange	489.40	164.99
		For Work In Restricted Working Space, Add	*110.00*	
40 05 23 23-1088	EA	6", 150 Lb., Type 304 Stainless Steel Slip-On Flange	645.24	206.13
		For Work In Restricted Working Space, Add	*137.43*	
40 05 23 23-1089	EA	8", 150 Lb., Type 304 Stainless Steel Slip-On Flange	1,124.81	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1090	EA	10" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,577.24	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-1091	EA	12" 150 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,353.38	693.87
		For Work In Restricted Working Space, Add	*462.59*	

40 05 23 23-1092 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1093	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Neck Slip-On Flange	176.27	58.86
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-1094	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	184.32	62.47
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-1095	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	198.07	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-1096	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	236.18	74.91
		For Work In Restricted Working Space, Add	*49.94*	
40 05 23 23-1097	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	253.20	82.56
		For Work In Restricted Working Space, Add	*55.04*	
40 05 23 23-1098	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	280.14	91.97
		For Work In Restricted Working Space, Add	*61.31*	
40 05 23 23-1099	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	404.58	117.61
		For Work In Restricted Working Space, Add	*78.41*	
40 05 23 23-1100	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	455.27	137.69
		For Work In Restricted Working Space, Add	*91.80*	
40 05 23 23-1101	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	571.21	164.99
		For Work In Restricted Working Space, Add	*110.00*	
40 05 23 23-1102	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	876.31	206.13
		For Work In Restricted Working Space, Add	*137.43*	
40 05 23 23-1103	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,358.14	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1104	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	1,953.03	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-1105	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Slip-On Flange	2,836.76	693.87
		For Work In Restricted Working Space, Add	*462.59*	

40 05 23 23-1106 150 Lb., Type 304 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1107	EA	1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	58.49	11.76
		For Work In Restricted Working Space, Add	*7.85*	
40 05 23 23-1108	EA	3/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	61.10	12.49
		For Work In Restricted Working Space, Add	*8.33*	
40 05 23 23-1109	EA	1", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	66.15	13.72
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-1110	EA	1-1/4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	84.75	15.29
		For Work In Restricted Working Space, Add	*10.19*	
40 05 23 23-1111	EA	1-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	96.69	20.66
		For Work In Restricted Working Space, Add	*13.77*	
40 05 23 23-1112	EA	2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	113.86	22.93
		For Work In Restricted Working Space, Add	*15.29*	
40 05 23 23-1113	EA	2-1/2", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	154.90	29.48
		For Work In Restricted Working Space, Add	*19.66*	
40 05 23 23-1114	EA	3", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	190.30	41.31
		For Work In Restricted Working Space, Add	*27.54*	
40 05 23 23-1115	EA	4", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	290.87	68.83
		For Work In Restricted Working Space, Add	*45.89*	
40 05 23 23-1116	EA	6", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	398.23	88.51
		For Work In Restricted Working Space, Add	*59.01*	
40 05 23 23-1117	EA	8", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	608.83	107.94
		For Work In Restricted Working Space, Add	*71.96*	
40 05 23 23-1118	EA	10", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	928.78	129.53
		For Work In Restricted Working Space, Add	*86.35*	
40 05 23 23-1119	EA	12", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,227.26	161.91
		For Work In Restricted Working Space, Add	*107.94*	
40 05 23 23-1120	EA	14", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,559.44	202.38
		For Work In Restricted Working Space, Add	*134.92*	
40 05 23 23-1121	EA	16", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,005.92	230.86
		For Work In Restricted Working Space, Add	*153.90*	
40 05 23 23-1122	EA	18", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,374.90	289.12
		For Work In Restricted Working Space, Add	*192.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1123	EA	20", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,158.80	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1124	EA	24", 150 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,598.10	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-1125		**300 Lb., Type 304 Stainless Steel Blind Flanges** *(40 05 23 23-1019)*		
40 05 23 23-1126	EA	1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	73.91	11.76
		For Work In Restricted Working Space, Add	*7.85*	
40 05 23 23-1127	EA	3/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	75.52	12.49
		For Work In Restricted Working Space, Add	*8.33*	
40 05 23 23-1128	EA	1", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	78.28	13.72
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-1129	EA	1-1/4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	99.13	15.29
		For Work In Restricted Working Space, Add	*10.19*	
40 05 23 23-1130	EA	1-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	111.07	20.66
		For Work In Restricted Working Space, Add	*13.77*	
40 05 23 23-1131	EA	2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	121.43	22.93
		For Work In Restricted Working Space, Add	*15.29*	
40 05 23 23-1132	EA	2-1/2", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	207.94	29.48
		For Work In Restricted Working Space, Add	*19.66*	
40 05 23 23-1133	EA	3", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	239.93	41.31
		For Work In Restricted Working Space, Add	*27.54*	
40 05 23 23-1134	EA	4", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	352.97	68.83
		For Work In Restricted Working Space, Add	*45.89*	
40 05 23 23-1135	EA	6", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	654.29	88.51
		For Work In Restricted Working Space, Add	*59.01*	
40 05 23 23-1136	EA	8", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	914.90	107.94
		For Work In Restricted Working Space, Add	*71.96*	
40 05 23 23-1137	EA	10", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,301.51	129.53
		For Work In Restricted Working Space, Add	*86.35*	
40 05 23 23-1138	EA	12", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	1,799.26	161.91
		For Work In Restricted Working Space, Add	*107.94*	
40 05 23 23-1139	EA	14", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	2,513.47	202.38
		For Work In Restricted Working Space, Add	*134.92*	
40 05 23 23-1140	EA	16", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	3,210.42	230.86
		For Work In Restricted Working Space, Add	*153.90*	
40 05 23 23-1141	EA	18", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	4,187.66	289.12
		For Work In Restricted Working Space, Add	*192.75*	
40 05 23 23-1142	EA	20", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	5,309.54	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1143	EA	24", 300 Lb., Type 304 Stainless Steel Raised Face Blind Flange	8,135.54	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-1144		**150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1145	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	87.41	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-1146	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	108.21	26.45
		For Work In Restricted Working Space, Add	*15.86*	
40 05 23 23-1147	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	124.65	32.79
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-1148	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	171.57	46.40
		For Work In Restricted Working Space, Add	*27.84*	
40 05 23 23-1149	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	183.42	52.32
		For Work In Restricted Working Space, Add	*31.39*	
40 05 23 23-1150	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	230.68	66.45
		For Work In Restricted Working Space, Add	*39.88*	
40 05 23 23-1151	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	342.81	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-1152	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	415.41	209.01
		For Work In Restricted Working Space, Add	*78.48*	
40 05 23 23-1153	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	539.99	163.89
		For Work In Restricted Working Space, Add	*98.36*	
40 05 23 23-1154		**300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange** *(40 05 23 23-1019)*		
40 05 23 23-1155	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	113.16	19.84
		For Work In Restricted Working Space, Add	*11.90*	
40 05 23 23-1156	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	126.38	26.45
		For Work In Restricted Working Space, Add	*15.86*	
40 05 23 23-1157	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	139.07	32.79
		For Work In Restricted Working Space, Add	*19.67*	
40 05 23 23-1158	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	213.28	46.40
		For Work In Restricted Working Space, Add	*27.84*	
40 05 23 23-1159	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	225.13	52.32
		For Work In Restricted Working Space, Add	*31.39*	
40 05 23 23-1160	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	266.27	66.45
		For Work In Restricted Working Space, Add	*39.88*	
40 05 23 23-1161	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	444.32	102.42
		For Work In Restricted Working Space, Add	*61.47*	
40 05 23 23-1162	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	508.58	209.01
		For Work In Restricted Working Space, Add	*78.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1163	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Threaded Flange	694.54	163.89
		For Work In Restricted Working Space, Add	*98.36*	

40 05 23 23-1164 150 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1165	EA	1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	116.91	29.43
		For Work In Restricted Working Space, Add	*19.62*	
40 05 23 23-1166	EA	3/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	124.76	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-1167	EA	1", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	139.95	34.34
		For Work In Restricted Working Space, Add	*22.90*	
40 05 23 23-1168	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	171.90	37.44
		For Work In Restricted Working Space, Add	*24.97*	
40 05 23 23-1169	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	180.40	41.28
		For Work In Restricted Working Space, Add	*27.52*	
40 05 23 23-1170	EA	2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	198.42	45.98
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-1171	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	280.67	58.81
		For Work In Restricted Working Space, Add	*39.20*	
40 05 23 23-1172	EA	3", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	308.31	68.84
		For Work In Restricted Working Space, Add	*45.90*	
40 05 23 23-1173	EA	4", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	412.14	82.49
		For Work In Restricted Working Space, Add	*55.00*	
40 05 23 23-1174	EA	6", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	624.54	103.07
		For Work In Restricted Working Space, Add	*68.72*	
40 05 23 23-1175	EA	8", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,037.81	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-1176	EA	10", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	1,511.78	231.28
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-1177	EA	12", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,255.19	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1178	EA	14", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	2,638.59	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1179	EA	16", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	3,295.44	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-1180	EA	18", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	4,041.82	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-1181	EA	20", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	5,233.58	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-1182	EA	24", 150 Lb., Type 316 Stainless Steel Weld Neck Flange	7,437.11	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	

40 05 23 23-1183 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange *(40 05 23 23-1019)*

40 05 23 23-1184	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	145.73	29.43
		For Work In Restricted Working Space, Add	*19.62*	
40 05 23 23-1185	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	149.75	31.24
		For Work In Restricted Working Space, Add	*20.83*	
40 05 23 23-1186	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	156.64	34.34
		For Work In Restricted Working Space, Add	*22.90*	
40 05 23 23-1187	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	203.73	37.44
		For Work In Restricted Working Space, Add	*24.97*	
40 05 23 23-1188	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	212.23	41.28
		For Work In Restricted Working Space, Add	*27.52*	
40 05 23 23-1189	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	232.52	45.98
		For Work In Restricted Working Space, Add	*30.66*	
40 05 23 23-1190	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	340.56	58.81
		For Work In Restricted Working Space, Add	*39.20*	
40 05 23 23-1191	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	373.47	68.84
		For Work In Restricted Working Space, Add	*45.90*	
40 05 23 23-1192	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	560.60	82.49
		For Work In Restricted Working Space, Add	*55.00*	
40 05 23 23-1193	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	904.09	103.07
		For Work In Restricted Working Space, Add	*68.72*	
40 05 23 23-1194	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	1,433.30	173.47
		For Work In Restricted Working Space, Add	*115.65*	
40 05 23 23-1195	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	2,056.50	231.28
		For Work In Restricted Working Space, Add	*154.19*	
40 05 23 23-1196	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	3,024.14	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1197	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	4,070.60	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1198	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	5,041.61	461.71
		For Work In Restricted Working Space, Add	*307.81*	
40 05 23 23-1199	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	6,444.09	578.23
		For Work In Restricted Working Space, Add	*385.49*	
40 05 23 23-1200	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	8,290.73	809.54
		For Work In Restricted Working Space, Add	*539.69*	
40 05 23 23-1201	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Weld Neck Flange	12,081.10	1,156.47
		For Work In Restricted Working Space, Add	*770.98*	

40 05 23 23-1202 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1203	EA	1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	170.22	58.86
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-1204	EA	3/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	183.59	62.47
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-1205	EA	1", 150 Lb., Type 316 Stainless Steel Slip-On Flange	202.35	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-1206	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	269.77	74.91
		For Work In Restricted Working Space, Add	*49.94*	
40 05 23 23-1207	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	247.88	82.56
		For Work In Restricted Working Space, Add	*55.04*	
40 05 23 23-1208	EA	2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	268.78	91.97
		For Work In Restricted Working Space, Add	*61.31*	
40 05 23 23-1209	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Slip-On Flange	342.44	117.61
		For Work In Restricted Working Space, Add	*78.41*	
40 05 23 23-1210	EA	3", 150 Lb., Type 316 Stainless Steel Slip-On Flange	421.94	137.69
		For Work In Restricted Working Space, Add	*91.80*	
40 05 23 23-1211	EA	4", 150 Lb., Type 316 Stainless Steel Slip-On Flange	543.92	164.99
		For Work In Restricted Working Space, Add	*110.00*	
40 05 23 23-1212	EA	6", 150 Lb., Type 316 Stainless Steel Slip-On Flange	726.28	206.13
		For Work In Restricted Working Space, Add	*137.43*	
40 05 23 23-1213	EA	8", 150 Lb., Type 316 Stainless Steel Slip-On Flange	1,292.22	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1214	EA	10" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,806.06	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-1215	EA	12" 150 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,659.45	693.87
		For Work In Restricted Working Space, Add	*462.59*	

40 05 23 23-1216 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flanges *(40 05 23 23-1019)*

40 05 23 23-1217	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Neck Slip-On Flange	191.42	58.86
		For Work In Restricted Working Space, Add	*39.24*	
40 05 23 23-1218	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	199.47	62.47
		For Work In Restricted Working Space, Add	*41.66*	
40 05 23 23-1219	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	213.22	68.67
		For Work In Restricted Working Space, Add	*45.78*	
40 05 23 23-1220	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	265.72	74.91
		For Work In Restricted Working Space, Add	*49.94*	
40 05 23 23-1221	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	282.74	82.56
		For Work In Restricted Working Space, Add	*55.04*	
40 05 23 23-1222	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	308.07	91.97
		For Work In Restricted Working Space, Add	*61.31*	
40 05 23 23-1223	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	470.47	117.61
		For Work In Restricted Working Space, Add	*78.41*	
40 05 23 23-1224	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	522.69	137.69
		For Work In Restricted Working Space, Add	*91.80*	
40 05 23 23-1225	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	675.74	164.99
		For Work In Restricted Working Space, Add	*110.00*	
40 05 23 23-1226	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,028.60	206.13
		For Work In Restricted Working Space, Add	*137.43*	
40 05 23 23-1227	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	1,514.99	346.93
		For Work In Restricted Working Space, Add	*231.30*	
40 05 23 23-1228	EA	10" 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	2,463.65	462.58
		For Work In Restricted Working Space, Add	*308.39*	
40 05 23 23-1229	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Slip-On Flange	3,286.78	693.87
		For Work In Restricted Working Space, Add	*462.59*	

40 05 23 23-1230 150 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1231	EA	1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	65.57	11.76
		For Work In Restricted Working Space, Add	*7.85*	
40 05 23 23-1232	EA	3/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	73.99	12.49
		For Work In Restricted Working Space, Add	*8.33*	
40 05 23 23-1233	EA	1", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	83.56	13.72
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-1234	EA	1-1/4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	98.37	15.29
		For Work In Restricted Working Space, Add	*10.19*	
40 05 23 23-1235	EA	1-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	110.31	20.66
		For Work In Restricted Working Space, Add	*13.77*	
40 05 23 23-1236	EA	2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	136.58	22.93
		For Work In Restricted Working Space, Add	*15.29*	
40 05 23 23-1237	EA	2-1/2", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	190.53	29.48
		For Work In Restricted Working Space, Add	*19.66*	
40 05 23 23-1238	EA	3", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	229.71	41.31
		For Work In Restricted Working Space, Add	*27.54*	
40 05 23 23-1239	EA	4", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	357.53	68.83
		For Work In Restricted Working Space, Add	*45.89*	
40 05 23 23-1240	EA	6", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	505.07	88.51
		For Work In Restricted Working Space, Add	*59.01*	
40 05 23 23-1241	EA	8", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	864.13	107.94
		For Work In Restricted Working Space, Add	*71.96*	
40 05 23 23-1242	EA	10", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,130.32	129.53
		For Work In Restricted Working Space, Add	*86.35*	
40 05 23 23-1243	EA	12", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,808.37	161.91
		For Work In Restricted Working Space, Add	*107.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1244	EA	14", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,154.39	202.38
		For Work In Restricted Working Space, Add	*134.92*	
40 05 23 23-1245	EA	16", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,806.32	230.86
		For Work In Restricted Working Space, Add	*153.90*	
40 05 23 23-1246	EA	18", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,303.71	289.12
		For Work In Restricted Working Space, Add	*192.75*	
40 05 23 23-1247	EA	20", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,370.10	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1248	EA	24", 150 Lb., Type 316 Stainless Steel Raised Face Blind Flange	6,374.40	578.23
		For Work In Restricted Working Space, Add	*385.49*	

40 05 23 23-1249 300 Lb., Type 316 Stainless Steel Blind Flanges *(40 05 23 23-1019)*

40 05 23 23-1250	EA	1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	99.66	11.76
		For Work In Restricted Working Space, Add	*7.85*	
40 05 23 23-1251	EA	3/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	101.27	12.49
		For Work In Restricted Working Space, Add	*8.33*	
40 05 23 23-1252	EA	1", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	104.03	13.72
		For Work In Restricted Working Space, Add	*9.16*	
40 05 23 23-1253	EA	1-1/4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	154.46	15.29
		For Work In Restricted Working Space, Add	*10.19*	
40 05 23 23-1254	EA	1-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	166.40	20.66
		For Work In Restricted Working Space, Add	*13.77*	
40 05 23 23-1255	EA	2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	184.30	22.93
		For Work In Restricted Working Space, Add	*15.29*	
40 05 23 23-1256	EA	2-1/2", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	304.93	29.48
		For Work In Restricted Working Space, Add	*19.66*	
40 05 23 23-1257	EA	3", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	338.80	41.31
		For Work In Restricted Working Space, Add	*27.54*	
40 05 23 23-1258	EA	4", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	519.65	68.83
		For Work In Restricted Working Space, Add	*45.89*	
40 05 23 23-1259	EA	6", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	938.44	88.51
		For Work In Restricted Working Space, Add	*59.01*	
40 05 23 23-1260	EA	8", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	1,208.88	107.94
		For Work In Restricted Working Space, Add	*71.96*	
40 05 23 23-1261	EA	10", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,156.12	129.53
		For Work In Restricted Working Space, Add	*86.35*	
40 05 23 23-1262	EA	12", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	2,630.38	161.91
		For Work In Restricted Working Space, Add	*107.94*	
40 05 23 23-1263	EA	14", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	3,790.03	202.38
		For Work In Restricted Working Space, Add	*134.92*	
40 05 23 23-1264	EA	16", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	4,878.95	230.86
		For Work In Restricted Working Space, Add	*153.90*	
40 05 23 23-1265	EA	18", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	6,380.58	289.12
		For Work In Restricted Working Space, Add	*192.75*	
40 05 23 23-1266	EA	20", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	8,037.44	404.77
		For Work In Restricted Working Space, Add	*269.84*	
40 05 23 23-1267	EA	24", 300 Lb., Type 316 Stainless Steel Raised Face Blind Flange	12,373.07	578.23
		For Work In Restricted Working Space, Add	*385.49*	

40 05 23 23-1268 Type 316 Seamless Annealed Tubing *(40 05 23 23)*

Note: For high-pressure air (8000 PSIG working pressure).

40 05 23 23-1269 Type 316 Seamless Annealed Tubing *(40 05 23 23-1268)*

40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	19.79
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	24.10
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	29.02

40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings *(40 05 23 23-1268)*

Note: Pressure rating 5,000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	68.03
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	69.66
40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	106.63
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	68.26
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	112.66
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	84.40
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	105.84
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	163.04
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	103.91
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	160.05
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	101.12
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	131.19
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	217.78
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	180.16
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	221.58

40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG) *(40 05 23 23-1268)*

40 05 23 23-1290 Needle Valves *(40 05 23 23-1289)*

40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	418.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	666.29	
40 05 23 23-1293		Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG *(40 05 23 23-1289)*		
40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	401.24	
40 05 23 23-1295		Other Valves Working Pressure 6,000 PSI *(40 05 23 23-1289)*		
40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,678.54	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	417.55	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	78.68	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

41 Material Processing and Handling Equipment

41 01 Operation and Maintenance of Material Processing and Handling Equipment *(41)*

41 01 20 Operation and Maintenance of Piece Material Handling Equipment *(41 01)*

41 01 20 13 Operation And Maintenance Of Hoists Or Cranes *(41 01 20)*

41 01 20 13-0001 Maintenance *(41 01 20 13)*

41 01 20 13-0002	EA	Regular Inspection	430.68	
41 01 20 13-0003	HR	Hoist Or Crane Servicing, Labor Only	128.94	
41 01 20 13-0004	MO	Hoist Or Crane Maintenance Contract	1,061.47	

41 20 Piece Material Handling Equipment *(41)*

41 22 Cranes and Hoists *(41 20)*

41 22 23 Hoists *(41 22)*

41 22 23 13 Fixed Hoists *(41 22 23)*

41 22 23 13-0001 Air-Powered Chain Hoists *(41 22 23 13)*
Note: Excludes beam.

41 22 23 13-0002	EA	500 Lb. Capacity, Air-Powered Chain Hoist	8,008.40	453.32
41 22 23 13-0003	EA	1,000 Lb. Capacity, Air-Powered Chain Hoist	8,101.76	453.32
41 22 23 13-0004	EA	2,000 Lb. Capacity, Air-Powered Chain Hoist	9,766.17	453.32
41 22 23 13-0005	EA	4,000 Lb. Capacity, Air-Powered Chain Hoist	12,335.95	604.43
41 22 23 13-0006	EA	6,000 LB Capacity, Air-Powered Chain Hoist	15,568.17	755.53
41 22 23 13-0007	EA	8,000 LB Capacity, Air-Powered Chain Hoist	18,331.25	1,110.33
41 22 23 13-0008	EA	10,000 LB Capacity, Air-Powered Chain Hoist	21,162.96	1,341.07
41 22 23 13-0009	EA	12,000 LB Capacity, Air-Powered Chain Hoist	21,521.83	1,341.07

41 22 23 13-0010 Electric Hoists *(41 22 23 13)*

41 22 23 13-0011 Electric Industrial Chain Hoists *(41 22 23 13-0010)*
Note: Includes 20' of chain. Excludes beams.

41 22 23 13-0012	EA	500 LB Capacity, Electric Industrial Chain Hoist	2,851.71	438.21
		For DC Electrical Operated, Add	*493.16*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0013	EA	1,000 LB Capacity, Electric Industrial Chain Hoist	2,960.67	438.21
		For DC Electrical Operated, Add	*519.81*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0014	EA	2,000 LB Capacity, Electric Industrial Chain Hoist	3,238.69	438.21
		For DC Electrical Operated, Add	*585.70*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0015	EA	3,000 LB Capacity, Electric Industrial Chain Hoist	4,701.38	453.32
		For DC Electrical Operated, Add	*941.80*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0016	EA	4,000 LB Capacity, Electric Industrial Chain Hoist	4,112.40	453.32
		For DC Electrical Operated, Add	*791.86*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0017	EA	5,000 LB Capacity, Electric Industrial Chain Hoist	5,724.88	468.43
		For DC Electrical Operated, Add	*1,182.81*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0018	EA	6,000 LB Capacity, Electric Industrial Chain Hoist	5,291.92	513.76
		For DC Electrical Operated, Add	*1,032.29*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0019	EA	7,500 LB Capacity, Electric Industrial Chain Hoist	6,437.84	634.65
		For DC Electrical Operated, Add	*1,311.37*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0020	EA	10,000 LB Capacity, Electric Industrial Chain Hoist	7,477.89	644.45
		For DC Electrical Operated, Add	*1,590.75*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0021	EA	15,000 LB Capacity, Electric Industrial Chain Hoist	11,849.95	672.47
		For DC Electrical Operated, Add	*2,625.96*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0022	EA	20,000 LB Capacity, Electric Industrial Chain Hoist	14,112.75	700.49
		For DC Electrical Operated, Add	*3,177.10*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0023	EA	25,000 LB Capacity, Electric Industrial Chain Hoist	19,332.56	728.51
		For DC Electrical Operated, Add	*4,467.10*	
		For Each LF Copper Conductor Bar, Add	*10.50*	
41 22 23 13-0024	EA	30,000 LB Capacity, Electric Industrial Chain Hoist	24,634.50	798.56
		For DC Electrical Operated, Add	*5,757.38*	
		For Each LF Copper Conductor Bar, Add	*10.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
41 22 23 13-0025		Hand Chain Hoists *(41 22 23 13)*		
41 22 23 13-0026	EA	1,000 LB Capacity, Hand Chain Hoist	1,890.58	175.68
41 22 23 13-0027	EA	2,000 LB Capacity, Hand Chain Hoist	2,224.99	178.09
41 22 23 13-0028	EA	3,000 LB Capacity, Hand Chain Hoist	2,982.48	186.51
41 22 23 13-0029	EA	4,000 LB Capacity, Hand Chain Hoist	3,355.15	188.91
41 22 23 13-0030	EA	5,000 LB Capacity, Hand Chain Hoist	4,046.51	198.55
41 22 23 13-0031	EA	6,000 LB Capacity, Hand Chain Hoist	4,532.57	232.23
41 22 23 13-0032	EA	10,000 LB Capacity, Hand Chain Hoist	6,277.58	239.46
41 22 23 13-0033	EA	16,000 LB Capacity, Hand Chain Hoist	8,195.67	288.79
41 22 23 13-0034	EA	20,000 LB Capacity, Hand Chain Hoist	10,006.28	302.03
41 22 23 13-0035	EA	30,000 LB Capacity, Hand Chain Hoist	17,619.34	345.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

43 Process Gas and Liquid Handling, Purification, and Storage Equipment

43 20 Liquid Handling Equipment *(43)*

43 23 Dry Location Liquid Pumps *(43 20)*

43 23 78 Controlled Volume Horizontal Reciprocating Pumps *(43 23)*

43 23 78 31 Controlled Volume Horizontal Mechanically-Coupled Diaphragm Simplex Reciprocating Pumps *(43 23 78)*

43 23 78 31-0001 Diaphragm Pump *(43 23 78 31)*

43 23 78 31-0002	EA	28 GPH Diaphragm Pump, Adjustable Flow 0-100% 250 PSI	4,970.53	

43 24 Suspended Liquid Pumps *(43 20)*

43 24 41 Archimedes Screw Pumps *(43 24)*

43 24 41 23 Positive-Displacement Inclined Closed-casing Archimedes Screw-type Pumps *(43 24 41)*

43 24 41 23-0001 Positive Displacement Pump *(43 24 41 23)*

43 24 41 23-0002	EA	25 GPH Positive Displacement Pump, Adjustable Flow 0-100% 200 PSI Neoprene Packing	4,086.68	

43 40 Gas and Liquid Storage *(43)*

43 42 Pressurized Tanks And Vessels *(43 40)*

43 42 41 Metallic Specialty Pressure Tanks *(43 42)*

43 42 41 00-0001 L.P.G. Tanks With Regulator And Safety Controls *(43 42 41)*

43 42 41 00-0002	EA	250 Gallon Aboveground LP Gas Storage Tank	2,214.05	139.75
43 42 41 00-0003	EA	500 Gallon Aboveground LP Gas Storage Tank	4,096.65	209.62
43 42 41 00-0004	EA	1,000 Gallon Aboveground LP Gas Storage Tank	5,867.45	223.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

50 Custom Standards And Assemblies

50 89 CALTRANs Custom Standards And Assemblies *(50)*

Note: Use as directed by owner only.

50 89 80 CALTRANs Construction Performance Requirements *(50 89)*

Note: Refer to www.dot.ca.gov for CALTRANs Standard Plans and Specifications

50 89 81 CALTRANS DIVISION I - GENERAL PROVISIONS *(50 89 80)*

50 89 81 01 PAYMENT *(50 89 81)*

Note: Includes equipment mobilization, hauling over 25 miles, overtime, specialty labor, speciality equipment, reimbursables and permits per CALTRAN Standard. See CSI section 01 22 16 00-0001 for Reimbursable fees and permits, 01 22 20 00-0000 for specialty labor, 01 22 23 00-0000 for speacility equipment, 01 71 13 00-0000 for equipment mobilization, 01 74 19 00-0048 for hauling >25 miles.

50 89 81 01-0001	EA	CALTRANS 999990 MOBILIZATION Note: (One Time Per Job) See CSI section 01 71 13 00-0000 for mobilization of equipment.	0.00	

50 89 82 CALTRANS DIVISION II - GENERAL CONSTRUCTION *(50 89 80)*

50 89 82 12 TEMPORARY TRAFFIC CONTROL *(50 89 82)*

Note: Includes flagging, apparel, temporary traffic control devices, and equipment for flaggers, must comply with the latest California MUTCD per CALTRANS Standard.

50 89 82 12-0001	EA	CALTRANS 120110 FLASHING ARROW SIGN	1,526.79	
50 89 82 12-0002	EA	CALTRANS 120116 TYPE II BARRICADE	46.02	
50 89 82 12-0003	EA	CALTRANS 120119 TRAFFIC CONE	12.98	
50 89 82 12-0004	EA	CALTRANS 120120 TYPE III BARRICADE	89.26	
50 89 82 12-0005	EA	CALTRANS 120140 BARRICADE (LEFT IN PLACE)	80.55	
50 89 82 12-0006	SF	CALTRANS 120149 TEMPORARY PAVEMENT MARKING (PAINT)	3.18	
50 89 82 12-0007	LF	CALTRANS 120151 TEMPORARY TRAFFIC STRIPE (TAPE)	5.45	
50 89 82 12-0008	SF	CALTRANS 120152 TEMPORARY PAVEMENT MARKING (TAPE)	13.54	
50 89 82 12-0009	LF	CALTRANS 120159 TEMPORARY TRAFFIC STRIPE (PAINT)	0.70	
50 89 82 12-0010	EA	CALTRANS 120165 CHANNELIZER (SURFACE MOUNTED)	32.36	
50 89 82 12-0011	EA	CALTRANS 120166 CHANNELIZER (SURFACE MOUNTED) (LEFT IN PLACE)	71.85	
50 89 82 12-0012	EA	CALTRANS 120182 PORTABLE DELINEATOR	25.50	
50 89 82 12-0013	EA	CALTRANS 120198 PLASTIC TRAFFIC DRUMS	38.78	
50 89 82 12-0014	EA	CALTRANS 120200 FLASHING BEACON (PORTABLE)	47.24	
50 89 82 12-0015	EA	CALTRANS 120300 TEMPORARY PAVEMENT MARKER	3.25	
50 89 82 12-0016	MO	CALTRANS 128651 PORTABLE CHANGEABLE MESSAGE SIGN (EA)	2,990.61	
50 89 82 12-0017	MO	CALTRANS 129100 TEMPORARY CRASH CUSHION MODULE	716.17	

50 89 82 13 WATER POLLUTION CONTROL *(50 89 82)*

Note: Includes preventing, controlling, and abating water pollution within waters of the State per CALTRANS Standard.

50 89 82 13-0001	EA	CALTRANS 130310 RAIN EVENT ACTION PLAN	568.32	
50 89 82 13-0002	EA	CALTRANS 130320 STORM WATER SAMPLING AND ANALYSIS DAY	504.04	
50 89 82 13-0003	EA	CALTRANS 130330 STORM WATER ANNUAL REPORT	2,255.36	
50 89 82 13-0004	SY	CALTRANS 130500 TEMPORARY EROSION CONTROL BLANKET	6.36	
50 89 82 13-0005	EA	CALTRANS 130505 MOVE-IN/MOVE-OUT (TEMPORARY EROSION CONTROL)	948.37	
50 89 82 13-0006	SY	CALTRANS 130510 TEMPORARY MULCH	5.30	
50 89 82 13-0007	SY	CALTRANS 130520 TEMPORARY HYDRAULIC MULCH	0.89	
50 89 82 13-0008	SY	CALTRANS 130530 TEMPORARY HYDRAULIC MULCH (BONDED FIBER MATRIX)	0.48	
50 89 82 13-0009	SY	CALTRANS 130535 TEMPORARY HYDRAULIC MULCH (CEMENTITIOUS BINDER)	13.92	
50 89 82 13-0010	SY	CALTRANS 130540 TEMPORARY TACKED STRAW	0.35	
50 89 82 13-0011	SY	CALTRANS 130550 TEMPORARY HYDROSEED	0.89	
50 89 82 13-0012	SY	CALTRANS 130560 TEMPORARY SOIL BINDER	0.57	
50 89 82 13-0013	SY	CALTRANS 130570 TEMPORARY COVER	8.55	
50 89 82 13-0014	EA	CALTRANS 130620 TEMPORARY DRAINAGE INLET PROTECTION	87.88	
50 89 82 13-0015	LF	CALTRANS 130640 TEMPORARY FIBER ROLL Note: 12" Diameter, Type 1	8.78	
		For >1,000 To 10,000, Deduct	*-0.98*	
		For >10,000, Deduct	*-1.65*	
		For 9" Diameter, Deduct	*-1.08*	
50 89 82 13-0016	LF	CALTRANS 130640 TEMPORARY FIBER ROLL Note: 12" Diameter, Type 2	6.92	
		For >1,000 To 10,000, Deduct	*-0.70*	
		For >10,000, Deduct	*-1.19*	
		For 9" Diameter, Deduct	*-1.08*	
50 89 82 13-0017	LF	CALTRANS 130650 TEMPORARY GRAVEL BAG BERM	14.77	
50 89 82 13-0018	LF	CALTRANS 130670 TEMPORARY REINFORCED SILT FENCE	10.23	
50 89 82 13-0019	LF	CALTRANS 130680 TEMPORARY SILT FENCE	2.93	
50 89 82 13-0020	LF	CALTRANS 130690 TEMPORARY STRAW BALE BARRIER	5.56	
50 89 82 13-0021	EA	CALTRANS 130710 TEMPORARY CONSTRUCTION ENTRANCE	1,521.43	
50 89 82 13-0022	SY	CALTRANS 130720 TEMPORARY CONSTRUCTION ROADWAY	37.65	
50 89 82 13-0023	EA	CALTRANS 131103 WATER QUALITY SAMPLING AND ANALYSIS DAY	504.04	
50 89 82 13-0024	EA	CALTRANS 131104 WATER QUALITY MONITORING REPORT	780.80	
50 89 82 13-0025	EA	CALTRANS 131105 WATER QUALITY ANNUAL REPORT	837.76	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83		**CALTRANS DIVISION III - GRADING** *(50 89 80)*		
50 89 83 17		**GENERAL** *(50 89 83)*		
		Note: Includes clear all construction areas above original ground of (1) all vegetation such as trees, logs, upturned stumps, roots of downed trees, brush, grass, and weeds and (2) other objectionable material including concrete, masonry, and debris. Grub all construction areas to a depth necessary to remove all trees, existing stumps, roots, buried logs, and other objectionable material, except embankment areas where the grading plane is 2 feet or more above original ground per CALTRAN Standard.		
50 89 83 17-0001	ACR	CALTRANS 170105 CLEARING AND GRUBBING (ACRE)	13,826.32	
		Note: Includes grub and removal of stump. In embankment areas where the grading plane is 2 feet or more above original ground, cut off trees, stumps, and roots not more than 1 foot above original ground, except remove trees, stumps, and roots completely where work includes any of the following: 1. Structure construction, 2. Pile construction, 3. Subdrainage trench excavation, 4. Removal of unsuitable material, 5. Cutting into slopes of original hillsides, old or new fill		
50 89 83 19		**EARTHWORK** *(50 89 83)*		
		Note: Includes earthwork activities includes removal of unsuitable material or a buried man-made object if the removal is described. Excavate and dispose of unsuitable material encountered below the natural ground surface in embankment areas or below the grading plane in excavation areas. Backfill the space resulting from excavating unsuitable material with material suitable for the planned use. Place and compact suitable material. Remove and dispose of a buried man-made object encountered in an excavation as part of the excavation work. Roadway excavation consists of all excavation involved in the grading and construction of the roadway except structure excavation per CALTRAN Standard.		
50 89 83 19-0001	CY	CALTRANS 190101 ROADWAY EXCAVATION	23.10	
		For >1,000, Deduct	*-3.47*	
50 89 83 19-0002	CY	CALTRANS 190161 ROCK EXCAVATION	37.39	
50 89 83 19-0003	TON	CALTRANS 190185 SHOULDER BACKING	114.40	
50 89 83 19-0004	CY	CALTRANS 192037 STRUCTURE EXCAVATION (RETAINING WALL)	64.68	873.44
50 89 83 19-0005	CY	CALTRANS 192049 STRUCTURE EXCAVATION (SOLDIER PILE WALL)	100.87	317.12
50 89 83 19-0006	CY	CALTRANS 192502 SAND BEDDING	36.37	
		For Up To 8, Add	*7.27*	
		For >8 To 16, Add	*3.64*	
		For >48 To 64, Deduct	*-2.68*	
		For >64 To 96, Deduct	*-4.50*	
		For >96, Deduct	*-6.32*	
50 89 83 19-0007	CY	CALTRANS 193013 STRUCTURE BACKFILL (RETAINING WALL)	64.68	873.44
50 89 83 19-0008	CY	CALTRANS 193118 CONCRETE BACKFILL	255.86	
50 89 83 19-0009	CY	CALTRANS 198010 IMPORTED BORROW (CY)	58.30	
50 89 83 19-0010	TON	CALTRANS 198011 IMPORTED BORROW (TON)	81.63	
50 89 83 19-0011	SY	CALTRANS 198206 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A1	6.07	
		For Up To 50, Add	*1.27*	
		For >50 To 150, Add	*0.95*	
		For >150 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.31*	
50 89 83 19-0012	SY	CALTRANS 198207 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS A2	2.51	
		For Up To 50, Add	*0.55*	
		For >50 To 150, Add	*0.41*	
		For >150 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.13*	
50 89 83 19-0013	SY	CALTRANS 198208 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B1	7.07	
		For Up To 50, Add	*1.47*	
		For >50 To 150, Add	*1.10*	
		For >150 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.36*	
50 89 83 19-0014	SY	CALTRANS 198209 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B2	3.44	
		For Up To 50, Add	*0.73*	
		For >50 To 150, Add	*0.55*	
		For >150 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.18*	
50 89 83 19-0015	SY	CALTRANS 198210 SUBGRADE ENHANCEMENT GEOTEXTILE, CLASS B3	3.23	
		For Up To 50, Add	*0.70*	
		For >50 To 150, Add	*0.52*	
		For >150 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.17*	
50 89 83 19-0016	SY	CALTRANS 198215 SUBGRADE ENHANCEMENT GEOGRID	5.43	
		For Up To 50, Add	*1.20*	
		For >50 To 150, Add	*0.89*	
		For >150 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.29*	
50 89 83 19-0017	SY	CALTRANS 198250 GEOSYNTHETIC REINFORCEMENT	2.27	
50 89 83 20		**LANDSCAPE** *(50 89 83)*		
		Note: Includes materials and placement per CALTRAN Standard. Underground pipe includes pipe, fittings, trenching, backfill and compaction. Aboveground pipe include pipe, fittings and supports.		
50 89 83 20-0001	SF	CALTRANS 200114 ROCK BLANKET	16.39	
		For >5,000, Deduct	*-2.18*	
50 89 83 20-0002	SY	CALTRANS 200122 WEED GERMINATION	0.69	
50 89 83 20-0003	SY	CALTRANS 200123 CULTIVATION	3.04	
50 89 83 20-0004	LB	CALTRANS 202004 IRON SULFATE (LB)	7.93	
50 89 83 20-0005	CY	CALTRANS 202006 SOIL AMENDMENT	125.07	
50 89 83 20-0006	EA	CALTRANS 202026 RELOCATE BACKFLOW PREVENTER ASSEMBLY	1,131.68	
50 89 83 20-0007	EA	CALTRANS 202027 RELOCATE WATER METER	1,131.68	
50 89 83 20-0008	EA	CALTRANS 202028 RELOCATE IRRIGATION CONTROLLER	1,478.16	
50 89 83 20-0009	LB	CALTRANS 202037 ORGANIC FERTILIZER	8.05	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0010	EA	CALTRANS 202038 PACKET FERTILIZER	1.23	
50 89 83 20-0011	LB	CALTRANS 202039 SLOW-RELEASE FERTILIZER	4.19	
50 89 83 20-0012	EA	CALTRANS 204003 PLANT (GROUP C) (6' To 8' B&B)	472.12	
50 89 83 20-0013	EA	CALTRANS 204003 PLANT (GROUP C) (10' To 14' B&B)	880.70	
50 89 83 20-0014	EA	CALTRANS 204003 PLANT (GROUP C) (16' To 20' B&B)	1,370.79	
50 89 83 20-0015	EA	CALTRANS 204003 PLANT (GROUP C) (22' To 26' B&B)	2,143.01	
50 89 83 20-0016	EA	CALTRANS 204005 PLANT (GROUP E)	4.70	
		For >100 To 1,000, Deduct	*-0.26*	
		For >1,000 To 5,000, Deduct	*-0.41*	
		For >5,000, Deduct	*-0.53*	
50 89 83 20-0017	EA	CALTRANS 204006 PLANT (GROUP F)	2.46	
		For >100 To 1,000, Deduct	*-0.16*	
		For >1,000 To 5,000, Deduct	*-0.25*	
		For >5,000, Deduct	*-0.32*	
50 89 83 20-0018	EA	CALTRANS 204008 PLANT (GROUP H)	6.93	
		For >10 To 100, Deduct	*-0.69*	
		For >100 To 1,000, Deduct	*-1.56*	
		For >1,000 To 10,000, Deduct	*-2.43*	
		For >10,000 To 25,000, Deduct	*-3.47*	
		For >25,000, Deduct	*-4.85*	
50 89 83 20-0019	EA	CALTRANS 204009 PLANT (GROUP I)	25.63	
		For >100 To 1,000, Deduct	*-1.74*	
		For >1,000 To 5,000, Deduct	*-2.85*	
		For >5,000, Deduct	*-3.49*	
50 89 83 20-0020	EA	CALTRANS 204011 PLANT (GROUP K)	648.72	
50 89 83 20-0021	EA	CALTRANS 204013 PLANT (GROUP M)	8.54	
		For >100 To 1,000, Deduct	*-0.50*	
		For >1,000 To 5,000, Deduct	*-0.78*	
		For >5,000, Deduct	*-0.99*	
50 89 83 20-0022	EA	CALTRANS 204015 PLANT (GROUP S)	9.53	
		For >100 To 1,000, Deduct	*-0.60*	
		For >1,000 To 5,000, Deduct	*-0.96*	
		For >5,000, Deduct	*-1.20*	
50 89 83 20-0023	EA	CALTRANS 204020 PLANT (GROUP P)	8.08	
		For >100 To 1,000, Deduct	*-0.46*	
		For >1,000 To 5,000, Deduct	*-0.72*	
		For >5,000, Deduct	*-0.92*	
50 89 83 20-0024	EA	CALTRANS 204030 TRANSPLANT TREE	4,223.64	
		For >5 To 10, Deduct	*-211.18*	
		For >10 To 20, Deduct	*-422.36*	
		For >20, Deduct	*-633.55*	
50 89 83 20-0025	EA	CALTRANS 204035 PLANT (GROUP A)	34.66	
50 89 83 20-0026	EA	CALTRANS 204036 PLANT (GROUP B)	87.99	
50 89 83 20-0027	EA	CALTRANS 204038 PLANT (GROUP U)	230.02	
50 89 83 20-0028	SY	CALTRANS 204045 SOD	19.48	
50 89 83 20-0029	SF	CALTRANS 205033 GRAVEL MULCH	1.42	
50 89 83 20-0030	SF	CALTRANS 205034 DECOMPOSED GRANITE	1.51	
50 89 83 20-0031	CY	CALTRANS 205035 WOOD MULCH	126.58	
		For >5 To 20, Deduct	*-10.10*	
		For >20 To 50, Deduct	*-15.15*	
		For >50, Deduct	*-21.47*	
50 89 83 20-0032	EA	CALTRANS 205051 FOLIAGE PROTECTOR	42.23	
50 89 83 20-0033	EA	CALTRANS 205052 ROOT PROTECTOR	29.88	
50 89 83 20-0034	LF	CALTRANS 205062 ROOT BARRIER	13.46	
50 89 83 20-0035	LF	CALTRANS 206005 EDGING	18.32	
50 89 83 20-0036	EA	CALTRANS 206561 3/4" REMOTE CONTROL VALVE	424.20	
50 89 83 20-0037	EA	CALTRANS 206562 1" REMOTE CONTROL VALVE	666.39	
50 89 83 20-0038	EA	CALTRANS 206563 1 1/4" REMOTE CONTROL VALVE	733.81	
50 89 83 20-0039	EA	CALTRANS 206564 1 1/2" REMOTE CONTROL VALVE	807.02	
50 89 83 20-0040	EA	CALTRANS 206565 2" REMOTE CONTROL VALVE	903.40	
50 89 83 20-0041	EA	CALTRANS 206566 2 1/2" REMOTE CONTROL VALVE	1,433.68	
50 89 83 20-0042	EA	CALTRANS 206567 3" REMOTE CONTROL VALVE	1,963.96	
50 89 83 20-0043	EA	CALTRANS 206571 REMOTE CONTROL VALVE WITH PRESSURE REGULATOR	1,009.08	
50 89 83 20-0044	EA	CALTRANS 206630 3/4" WYE STRAINER ASSEMBLY	345.16	
50 89 83 20-0045	EA	CALTRANS 206631 1" WYE STRAINER ASSEMBLY	375.34	
50 89 83 20-0046	EA	CALTRANS 206632 1 1/4" WYE STRAINER ASSEMBLY	419.77	
50 89 83 20-0047	EA	CALTRANS 206633 1 1/2" WYE STRAINER ASSEMBLY	446.51	
50 89 83 20-0048	EA	CALTRANS 206634 2" WYE STRAINER ASSEMBLY	535.21	
50 89 83 20-0049	EA	CALTRANS 206635 2-1/2" WYE STRAINER ASSEMBLY	820.12	
50 89 83 20-0050	EA	CALTRANS 206636 3" WYE STRAINER ASSEMBLY	988.12	
50 89 83 20-0051	EA	CALTRANS 206747 4 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	956.96	
50 89 83 20-0052	EA	CALTRANS 206749 8 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,327.71	
50 89 83 20-0053	EA	CALTRANS 206751 12 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	1,764.01	
50 89 83 20-0054	EA	CALTRANS 206757 16-18 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	2,255.90	
50 89 83 20-0055	EA	CALTRANS 206758 24-32 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	2,999.45	
50 89 83 20-0056	EA	CALTRANS 206759 30-42 STATION IRRIGATION CONTROLLER (WALL MOUNTED)	3,739.51	
50 89 83 20-0057	LF	CALTRANS 207050 1/2" COPPER PIPE (SUPPLY LINE)	11.86	
		For >1,000, Deduct	*-0.59*	
50 89 83 20-0058	LF	CALTRANS 207051 3/4" COPPER PIPE (SUPPLY LINE)	16.03	
		For >1,000, Deduct	*-0.80*	
50 89 83 20-0059	LF	CALTRANS 207052 1" COPPER PIPE (SUPPLY LINE)	19.71	
		For >1,000, Deduct	*-0.99*	
50 89 83 20-0060	LF	CALTRANS 207053 1 1/4" COPPER PIPE (SUPPLY LINE)	25.15	
		For >1,000, Deduct	*-1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0061	LF	CALTRANS 207054 1 1/2" COPPER PIPE (SUPPLY LINE)	30.37	
		For >1,000, Deduct	*-1.52*	
50 89 83 20-0062	LF	CALTRANS 207055 2" COPPER PIPE (SUPPLY LINE)	41.89	
		For >1,000, Deduct	*-2.09*	
50 89 83 20-0063	LF	CALTRANS 207056 3" COPPER PIPE (SUPPLY LINE)	81.48	
		For >1,000, Deduct	*-4.07*	
50 89 83 20-0064	LF	CALTRANS 207057 4" COPPER PIPE (SUPPLY LINE)	130.08	
		For >1,000, Deduct	*-6.50*	
50 89 83 20-0065	LF	CALTRANS 207058 2 1/2" COPPER PIPE (SUPPLY LINE)	56.08	
		For >1,000, Deduct	*-2.80*	
50 89 83 20-0066	LF	CALTRANS 208001 1/2" GALVANIZED PIPE (SUPPLY LINE)	13.57	
		For >1,000, Deduct	*-0.68*	
50 89 83 20-0067	LF	CALTRANS 208002 3/4" GALVANIZED PIPE (SUPPLY LINE)	15.61	
		For >1,000, Deduct	*-0.78*	
50 89 83 20-0068	LF	CALTRANS 208003 1" GALVANIZED PIPE (SUPPLY LINE)	18.64	
		For >1,000, Deduct	*-0.93*	
50 89 83 20-0069	LF	CALTRANS 208004 1 1/4" GALVANIZED PIPE (SUPPLY LINE)	22.09	
		For >1,000, Deduct	*-1.10*	
50 89 83 20-0070	LF	CALTRANS 208005 1 1/2" GALVANIZED PIPE (SUPPLY LINE)	25.71	
		For >1,000, Deduct	*-1.29*	
50 89 83 20-0071	LF	CALTRANS 208006 2" GALVANIZED PIPE (SUPPLY LINE)	32.49	
		For >1,000, Deduct	*-1.62*	
50 89 83 20-0072	LF	CALTRANS 208007 2 1/2" GALVANIZED PIPE (SUPPLY LINE)	48.32	
		For >1,000, Deduct	*-2.42*	
50 89 83 20-0073	LF	CALTRANS 208008 3" GALVANIZED PIPE (SUPPLY LINE)	67.07	
		For >1,000, Deduct	*-3.35*	
50 89 83 20-0074	LF	CALTRANS 208009 4" GALVANIZED PIPE (SUPPLY LINE)	97.43	
		For >1,000, Deduct	*-4.87*	
50 89 83 20-0075	LF	CALTRANS 208026 2" SUPPLY LINE (BRIDGE)	55.34	
50 89 83 20-0076	LF	CALTRANS 208027 2 1/2" SUPPLY LINE (BRIDGE)	69.37	
50 89 83 20-0077	LF	CALTRANS 208028 3" SUPPLY LINE (BRIDGE)	85.52	
50 89 83 20-0078	LF	CALTRANS 208029 4" SUPPLY LINE (BRIDGE)	124.76	
50 89 83 20-0079	LF	CALTRANS 208030 6" SUPPLY LINE (BRIDGE)	312.40	
50 89 83 20-0080	LF	CALTRANS 208033 8" SUPPLY LINE (BRIDGE)	654.19	
50 89 83 20-0081	LF	CALTRANS 208042 2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	39.09	
50 89 83 20-0082	LF	CALTRANS 208043 2 1/2" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	55.70	
50 89 83 20-0083	LF	CALTRANS 208044 3" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	69.29	
50 89 83 20-0084	LF	CALTRANS 208046 4" GALVANIZED STEEL PIPE (SUPPLY LINE ON BRIDGE)	100.63	
50 89 83 20-0085	LF	CALTRANS 208220 1/2" DRIP IRRIGATION TUBING	2.63	
50 89 83 20-0086	LF	CALTRANS 208221 3/4" DRIP IRRIGATION TUBING	2.82	
50 89 83 20-0087	EA	CALTRANS 208301 IRRIGATION CONTROLLER ENCLOSURE CABINET	4,002.61	
50 89 83 20-0088	EA	CALTRANS 208422 3/4" BACKFLOW PREVENTER ASSEMBLY	2,410.70	
50 89 83 20-0089	EA	CALTRANS 208423 1" BACKFLOW PREVENTER ASSEMBLY	2,538.89	
50 89 83 20-0090	EA	CALTRANS 208424 1 1/4" BACKFLOW PREVENTER ASSEMBLY	3,337.74	
50 89 83 20-0091	EA	CALTRANS 208425 1 1/2" BACKFLOW PREVENTER ASSEMBLY	3,618.93	
50 89 83 20-0092	EA	CALTRANS 208426 2" BACKFLOW PREVENTER ASSEMBLY	4,828.21	
50 89 83 20-0093	EA	CALTRANS 208427 2 1/2" BACKFLOW PREVENTER ASSEMBLY	10,404.35	
50 89 83 20-0094	EA	CALTRANS 208428 3" BACKFLOW PREVENTER ASSEMBLY	12,085.73	
50 89 83 20-0095	EA	CALTRANS 208429 4" BACKFLOW PREVENTER ASSEMBLY	13,062.02	
50 89 83 20-0096	EA	CALTRANS 208440 BACKFLOW PREVENTER ENCLOSURE	3,540.77	
50 89 83 20-0097	EA	CALTRANS 208442 FLOW SENSOR	1,770.38	
50 89 83 20-0098	EA	CALTRANS 208447 POP-UP SPRINKLER ASSEMBLY (GEAR DRIVEN)	94.70	13.58
50 89 83 20-0099	EA	CALTRANS 208448 RISER SPRINKLER ASSEMBLY	58.06	13.58
50 89 83 20-0100	EA	CALTRANS 208449 POP-UP SPRINKLER ASSEMBLY	57.01	13.58
50 89 83 20-0101	EA	CALTRANS 208562 CAM COUPLER ASSEMBLY	469.41	
50 89 83 20-0102	EA	CALTRANS 208569 1/2" GATE VALVE	310.71	
50 89 83 20-0103	EA	CALTRANS 208570 3/4" GATE VALVE	330.70	
50 89 83 20-0104	EA	CALTRANS 208572 1" GATE VALVE	362.18	
50 89 83 20-0105	EA	CALTRANS 208573 1 1/4" GATE VALVE	400.42	
50 89 83 20-0106	EA	CALTRANS 208574 1 1/2" GATE VALVE	427.75	
50 89 83 20-0107	EA	CALTRANS 208575 2" GATE VALVE	488.58	
50 89 83 20-0108	EA	CALTRANS 208576 2 1/2" GATE VALVE	799.97	
50 89 83 20-0109	EA	CALTRANS 208588 3" GATE VALVE	1,423.86	
50 89 83 20-0110	EA	CALTRANS 208589 4" GATE VALVE	1,905.01	
50 89 83 20-0111	EA	CALTRANS 208590 6" GATE VALVE	2,748.61	
50 89 83 20-0112	EA	CALTRANS 208591 8" GATE VALVE	4,211.61	
50 89 83 20-0113	LF	CALTRANS 208593 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	6.58	
		For >1,000, Deduct	*-0.33*	
		For Schedule 80, Add	*0.16*	
50 89 83 20-0114	LF	CALTRANS 208594 3/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	6.74	
		For >1,000, Deduct	*-0.34*	
		For Schedule 80, Add	*0.21*	
50 89 83 20-0115	LF	CALTRANS 208595 1" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	7.57	
		For >1,000, Deduct	*-0.38*	
		For Schedule 80, Add	*0.33*	
50 89 83 20-0116	LF	CALTRANS 208596 1 1/4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	8.92	
		For >1,000, Deduct	*-0.45*	
		For Schedule 80, Add	*0.49*	
50 89 83 20-0117	LF	CALTRANS 208597 1 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	9.12	
		For >1,000, Deduct	*-0.46*	
		For Schedule 80, Add	*0.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0118	LF	CALTRANS 208598 2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	10.74	
		For >1,000, Deduct	*-0.54*	
		For Schedule 80, Add	*1.11*	
50 89 83 20-0119	LF	CALTRANS 208599 2 1/2" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	12.92	
		For >1,000, Deduct	*-0.65*	
		For Schedule 80, Add	*1.44*	
50 89 83 20-0120	LF	CALTRANS 208600 3" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	16.70	
		For >1,000, Deduct	*-0.84*	
		For Schedule 80, Add	*2.02*	
50 89 83 20-0121	LF	CALTRANS 208601 4" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	20.94	
		For >1,000, Deduct	*-1.05*	
		For Schedule 80, Add	*3.08*	
50 89 83 20-0122	LF	CALTRANS 208602 6" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	28.58	
		For >1,000, Deduct	*-1.43*	
		For Schedule 80, Add	*6.87*	
50 89 83 20-0123	LF	CALTRANS 208603 8" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	34.42	
		For >1,000, Deduct	*-1.72*	
		For Schedule 80, Add	*10.53*	
50 89 83 20-0124	LF	CALTRANS 208604 10" PLASTIC PIPE (SCHEDULE 40) (SUPPLY LINE)	69.71	
		For >1,000, Deduct	*-3.49*	
		For Schedule 80, Add	*32.74*	
50 89 83 20-0125	LF	CALTRANS 208605 2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	11.31	
		For >1,000, Deduct	*-0.57*	
50 89 83 20-0126	LF	CALTRANS 208606 2 1/2" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	13.85	
		For >1,000, Deduct	*-0.69*	
50 89 83 20-0127	LF	CALTRANS 208607 3" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	16.70	
		For >1,000, Deduct	*-0.84*	
50 89 83 20-0128	LF	CALTRANS 208608 4" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	20.94	
		For >1,000, Deduct	*-1.05*	
50 89 83 20-0129	LF	CALTRANS 208609 6" PLASTIC PIPE (CLASS 315) (SUPPLY LINE)	29.00	
		For >1,000, Deduct	*-1.45*	
50 89 83 20-0130	EA	CALTRANS 208631 3/4" PRESSURE RELIEF VALVE	937.15	
50 89 83 20-0131	EA	CALTRANS 208632 1 1/2" PRESSURE RELIEF VALVE	1,374.51	
50 89 83 20-0132	EA	CALTRANS 208633 1" PRESSURE RELIEF VALVE	1,108.54	
50 89 83 20-0133	EA	CALTRANS 208634 2" PRESSURE RELIEF VALVE	1,550.14	
50 89 83 20-0134	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (3/4")	295.16	
50 89 83 20-0135	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1")	388.62	
50 89 83 20-0136	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/4")	666.64	
50 89 83 20-0137	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (1-1/2")	904.90	
50 89 83 20-0138	EA	CALTRANS 208640 PRESSURE REGULATING VALVE (2")	1,296.67	
50 89 83 20-0139	EA	CALTRANS 208649 QUICK COUPLING VALVE	557.41	
50 89 83 20-0140	EA	CALTRANS 208670 1/2" CHECK VALVE	326.05	
50 89 83 20-0141	EA	CALTRANS 208670 3/4" CHECK VALVE	349.90	
50 89 83 20-0142	EA	CALTRANS 208670 1" CHECK VALVE	382.15	
50 89 83 20-0143	EA	CALTRANS 208670 1 1/4" CHECK VALVE	431.80	
50 89 83 20-0144	EA	CALTRANS 208670 1 1/2" CHECK VALVE	483.10	
50 89 83 20-0145	EA	CALTRANS 208670 2" CHECK VALVE	551.47	
50 89 83 20-0146	EA	CALTRANS 208670 2 1/2" CHECK VALVE	866.98	
50 89 83 20-0147	EA	CALTRANS 208670 3" CHECK VALVE	1,503.09	
50 89 83 20-0148	EA	CALTRANS 208670 4" CHECK VALVE	2,229.62	
50 89 83 20-0149	EA	CALTRANS 208670 6" CHECK VALVE	3,431.69	
50 89 83 20-0150	EA	CALTRANS 208670 8" CHECK VALVE	7,625.73	
50 89 83 20-0151	EA	CALTRANS 208683 1/2" BALL VALVE	292.23	
50 89 83 20-0152	EA	CALTRANS 208683 3/4" BALL VALVE	321.22	
50 89 83 20-0153	EA	CALTRANS 208683 1" BALL VALVE	332.98	
50 89 83 20-0154	EA	CALTRANS 208683 1 1/4" BALL VALVE	371.38	
50 89 83 20-0155	EA	CALTRANS 208683 1 1/2" BALL VALVE	392.03	
50 89 83 20-0156	EA	CALTRANS 208683 2" BALL VALVE	432.18	
50 89 83 20-0157	EA	CALTRANS 208683 2 1/2" BALL VALVE	483.91	
50 89 83 20-0158	LF	CALTRANS 208690 PVC PIPE CONDUIT (SLEEVE)	34.42	
		For >1,000, Deduct	*-1.72*	
50 89 83 20-0159	LF	CALTRANS 208702 8" ABS COMPOSITE PIPE CONDUIT	48.20	
		For >1,000, Deduct	*-2.41*	
50 89 83 20-0160	LF	CALTRANS 208703 10" ABS COMPOSITE PIPE CONDUIT	68.85	
		For >1,000, Deduct	*-3.44*	
50 89 83 20-0161	LF	CALTRANS 208738 8" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	27.44	
50 89 83 20-0162	LF	CALTRANS 208739 10" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	35.21	
50 89 83 20-0163	LF	CALTRANS 208740 12" CORRUGATED HIGH DENSITY POLYETHYLENE PIPE CONDUIT	40.77	
50 89 83 20-0164	LF	CALTRANS 208756 6" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	29.84	
50 89 83 20-0165	LF	CALTRANS 208758 8" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	37.20	
50 89 83 20-0166	LF	CALTRANS 208760 10" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	46.12	
50 89 83 20-0167	LF	CALTRANS 208762 12" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	51.31	
50 89 83 20-0168	LF	CALTRANS 208813 1 1/4" WELDED STEEL PIPE CONDUIT	26.10	
		For >1,000, Deduct	*-1.31*	
50 89 83 20-0169	LF	CALTRANS 208814 1 1/2" WELDED STEEL PIPE CONDUIT	30.64	
		For >1,000, Deduct	*-1.53*	
50 89 83 20-0170	LF	CALTRANS 208815 2" WELDED STEEL PIPE CONDUIT	35.40	
		For >1,000, Deduct	*-1.77*	
50 89 83 20-0171	LF	CALTRANS 208816 3" WELDED STEEL PIPE CONDUIT	48.76	
		For >1,000, Deduct	*-2.44*	
50 89 83 20-0172	LF	CALTRANS 208817 4" WELDED STEEL PIPE CONDUIT	66.35	
		For >1,000, Deduct	*-3.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 83 20-0173	LF	CALTRANS 208818 6" WELDED STEEL PIPE CONDUIT	94.97	
		For >1,000, Deduct	*-4.75*	
50 89 83 20-0174	LF	CALTRANS 208819 8" WELDED STEEL PIPE CONDUIT	136.09	
		For >1,000, Deduct	*-6.80*	
50 89 83 20-0175	LF	CALTRANS 208820 10" WELDED STEEL PIPE CONDUIT	179.93	
		For >1,000, Deduct	*-9.00*	
50 89 83 20-0176	LF	CALTRANS 208821 12" WELDED STEEL PIPE CONDUIT	229.40	
		For >1,000, Deduct	*-11.47*	

50 89 83 21 EROSION CONTROL *(50 89 83)*

Note: Includes applying permanent erosion control measures to the soil surface per CALTRAN Standard.

50 89 83 21-0001	EA	CALTRANS 210010 MOVE-IN/MOVE-OUT (EROSION CONTROL)	379.35	
50 89 83 21-0002	CY	CALTRANS 210110 IMPORTED TOPSOIL (CY)	58.30	
50 89 83 21-0003	TON	CALTRANS 210111 IMPORTED TOPSOIL (TON)	72.88	
50 89 83 21-0004	SF	CALTRANS 210212 DRY SEED (SQFT)	0.11	
50 89 83 21-0005	ACR	CALTRANS 210213 DRY SEED (ACRE)	4,727.43	
		For >5 To 20, Deduct	*-336.97*	
		For >20 To 45, Deduct	*-656.34*	
		For >45, Deduct	*-1,076.31*	
50 89 83 21-0006	SY	CALTRANS 210222 DRILL SEED (SQYD)	0.38	
50 89 83 21-0007	ACR	CALTRANS 210223 DRILL SEED (ACRE)	1,791.83	
50 89 83 21-0008	SF	CALTRANS 210252 BONDED FIBER MATRIX (SQFT)	0.10	
50 89 83 21-0009	ACR	CALTRANS 210253 BONDED FIBER MATRIX (ACRE)	4,508.96	
50 89 83 21-0010	SF	CALTRANS 210260 ROLLED EROSION CONTROL PRODUCT (JUTE MESH)	0.53	
50 89 83 21-0011	SF	CALTRANS 210270 ROLLED EROSION CONTROL PRODUCT (NETTING)	1.96	
50 89 83 21-0012	SF	CALTRANS 210280 ROLLED EROSION CONTROL PRODUCT (BLANKET)	0.64	
50 89 83 21-0013	SF	CALTRANS 210290 ROLLED EROSION CONTROL PRODUCT (TRM)	1.66	
50 89 83 21-0014	SF	CALTRANS 210300 HYDROMULCH	0.10	
50 89 83 21-0015	LF	CALTRANS 210350 FIBER ROLL Note: 12" Diameter, Type 1	8.78	
		For >1,000 To 10,000, Deduct	*-0.98*	
		For >10,000, Deduct	*-1.65*	
		For 9" Diameter, Deduct	*-1.08*	
50 89 83 21-0016	LF	CALTRANS 210350 FIBER ROLL Note: 12" Diameter, Type 2	6.92	
		For >1,000 To 10,000, Deduct	*-0.70*	
		For >10,000, Deduct	*-1.19*	
		For 9" Diameter, Deduct	*-1.08*	
50 89 83 21-0017	LF	CALTRANS 210360 COMPOST SOCK	11.92	
50 89 83 21-0018	SF	CALTRANS 210420 STRAW	0.24	
50 89 83 21-0019	SF	CALTRANS 210430 HYDROSEED	0.10	
50 89 83 21-0020	CY	CALTRANS 210610 COMPOST (CY)	96.40	
		For >100 To 1,000, Deduct	*-16.12*	
		For >1,000, Deduct	*-24.71*	
50 89 83 21-0021	SF	CALTRANS 210630 INCORPORATE MATERIALS	0.06	

50 89 84 CALTRANS DIVISION IV - SUBBASES AND BASES *(50 89 80)*

50 89 84 24 STABILIZED SOILS *(50 89 84)*

50 89 84 24-0001	SY	CALTRANS 240105 LIME STABILIZED SOIL	11.57	
		For 4% Lime Instead Of 5%, Deduct	*-0.30*	
		For 6% Lime Instead Of 5%, Add	*0.30*	
50 89 84 24-0002	SY	CALTRANS 240300 CEMENT STABILIZED SOIL	12.32	

50 89 84 25 AGGREGATE SUBBASES *(50 89 84)*

Note: Includes aggregate, placing aggregate subbase, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.

50 89 84 25-0001	CY	CALTRANS 250101 CLASS 1 AGGREGATE SUBBASE	106.11	
50 89 84 25-0002	CY	CALTRANS 250201 CLASS 2 AGGREGATE SUBBASE	110.80	
50 89 84 25-0003	CY	CALTRANS 250301 CLASS 3 AGGREGATE SUBBASE	106.24	
50 89 84 25-0004	CY	CALTRANS 250401 CLASS 4 AGGREGATE SUBBASE	106.19	
50 89 84 25-0005	CY	CALTRANS 250501 CLASS 5 AGGREGATE SUBBASE	106.13	

50 89 84 26 AGGREGATE BASES *(50 89 84)*

Note: Includes aggregate, placing aggregate, water, geosynthetic materials, spreading, compacting per CALTRAN Standard.

50 89 84 26-0001	CY	CALTRANS 260200 AGGREGATE BASE	104.85	
		For Recycled Aggregate Base, Deduct	*-5.85*	
50 89 84 26-0002	TON	CALTRANS 260202 CLASS 2 AGGREGATE BASE (TON)	112.63	
50 89 84 26-0003	CY	CALTRANS 260203 CLASS 2 AGGREGATE BASE (CY)	110.80	
50 89 84 26-0004	TON	CALTRANS 260302 CLASS 3 AGGREGATE BASE (TON)	106.40	
50 89 84 26-0005	CY	CALTRANS 260303 CLASS 3 AGGREGATE BASE (CY)	106.24	

50 89 84 27 CEMENT TREATED BASES *(50 89 84)*

Note: Includes aggregate, Type II portland cement, mixing, placing cement treated base, spreading, compaction, contact joints and curing per CALTRAN Standard.

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 84 27-0001	TON	CALTRANS 270002 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (TON)	54.30	
		For Up To 500, Add	*16.01*	
		For >500 To 1,000, Add	*5.43*	
		For >5,000 To 10,000, Deduct	*-2.06*	
		For >10,000, Deduct	*-3.53*	
50 89 84 27-0002	CY	CALTRANS 270003 CEMENT TREATED BASE (ROAD-MIXED, CLASS A) (CY)	73.36	
		For Up To 500, Add	*21.64*	
		For >500 To 1,000, Add	*7.34*	
		For >5,000 To 10,000, Deduct	*-2.79*	
		For >10,000, Deduct	*-4.77*	
50 89 84 27-0003	TON	CALTRANS 270013 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (TON)	44.15	
		For Up To 500, Add	*12.96*	
		For >500 To 1,000, Add	*4.42*	
		For >5,000 To 10,000, Deduct	*-1.68*	
		For >10,000, Deduct	*-2.87*	
50 89 84 27-0004	CY	CALTRANS 270014 CEMENT TREATED BASE (PLANT-MIXED, CLASS A) (CY)	63.21	
		For Up To 500, Add	*18.59*	
		For >500 To 1,000, Add	*6.32*	
		For >5,000 To 10,000, Deduct	*-2.40*	
		For >10,000, Deduct	*-4.11*	

50 89 84 28 CONCRETE BASES *(50 89 84)*

Note: Includes constructing concrete bases and placing concrete per CALTRAN Standard.

50 89 84 28-0001	CY	CALTRANS 280001 CONCRETE BASE	267.52	

50 89 84 29 TREATED PERMEABLE BASES *(50 89 84)*

Note: Includes constructing treated permeable bases, spreading, and placement per CALTRAN Standard.

50 89 84 29-0001	CY	CALTRANS 290301 CEMENT TREATED PERMEABLE BASE	1,002.84	
		For >5,000 To 30,000, Deduct	*-106.75*	
		For >30,000 To 100,000, Deduct	*-194.90*	
		For >100,000, Deduct	*-242.05*	

50 89 84 30 RECLAIMED PAVEMENT *(50 89 84)*

Note: Includes constructing reclaimed pavement bases, surface preparation, grading, compaction, finishing and placement per CALTRAN Standard.

50 89 84 30-0001	SF	CALTRANS 300100 FULL DEPTH RECLAMATION-FOAMED ASPHALT	24.63	
50 89 84 30-0002	SY	CALTRANS 303000 PULVERIZED ROADBED	5.41	

50 89 85 CALTRANS DIVISION V - SURFACINGS AND PAVEMENTS *(50 89 80)*

50 89 85 37 BITUMINOUS SEALS *(50 89 85)*

Note: Includes applying bituminous seals, surface preparation, placement, spreading, finishing and seal coat per CALTRAN Standard.

50 89 85 37-0001	SY	CALTRANS 370001 SAND COVER (SEAL)	1.49	
50 89 85 37-0002	SY	CALTRANS 374002 ASPHALTIC EMULSION (FOG SEAL COAT)	0.91	
50 89 85 37-0003	LNMI	CALTRANS 374207 CRACK TREATMENT	6,779.18	
50 89 85 37-0004	SY	CALTRANS 374491 NON-POLYMER ASPHALTIC EMULSION (SEAL COAT)	4.97	
50 89 85 37-0005	SY	CALTRANS 374493 POLYMER ASPHALTIC EMULSION (SEAL COAT)	10.53	
50 89 85 37-0006	TON	CALTRANS 375001 SCREENINGS	75.15	
		For Up To 14, Add	*20.38*	
		For >14 To 35, Add	*7.52*	
50 89 85 37-0007	SY	CALTRANS 375009 TACK COAT (SEAL)	1.06	
		For Up To 150, Add	*0.23*	
		For >150 To 300, Add	*0.11*	
		For >300 To 500, Add	*0.05*	
		For >3,500 To 5,000, Deduct	*-0.03*	
		For >5,000, Deduct	*-0.07*	
50 89 85 37-0008	SY	CALTRANS 377501 SLURRY SEAL (TYPE I) Note: 1/8" thick.	3.18	
		For Each 0.5% Of Latex Addition, Add	*0.33*	
50 89 85 37-0009	SY	CALTRANS 377501 SLURRY SEAL (TYPE II) Note: 1/4" thick, 14 to 18 Lb./SY.	4.19	
		For Each 0.5% Of Latex Addition, Add	*0.49*	
50 89 85 37-0010	SY	CALTRANS 377501 SLURRY SEAL (TYPE III) Note: 3/8" thick, 25 to 30 Lb./SY.	5.43	
		For Each 0.5% Of Latex Addition, Add	*0.80*	
50 89 85 37-0011	SY	CALTRANS 378000 MICRO-SURFACING	11.25	

50 89 85 39 ASPHALT CONCRETE *(50 89 85)*

Note: Includes hot mix asphalt, preparation, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 39-0001	TON	CALTRANS 390100 PRIME COAT	1,417.74	
50 89 85 39-0002	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (Up To 25)	161.98	
50 89 85 39-0003	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>25 To 100)	152.73	
50 89 85 39-0004	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>100-250)	138.10	
50 89 85 39-0005	TON	CALTRANS 390132 HOT MIX ASPHALT (TYPE A) (>250)	131.19	
50 89 85 39-0006	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (UP TO 25)	251.61	
50 89 85 39-0007	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>25 - 100)	219.48	
50 89 85 39-0008	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>100 - 250)	188.36	
50 89 85 39-0009	TON	CALTRANS 390135 HOT MIX ASPHALT (LEVELING) (>250)	159.73	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 39-0010	TON	CALTRANS 390136 MINOR HOT MIX ASPHALT (UP TO 25)	260.17	
50 89 85 39-0011	TON	CALTRANS 390137 RUBBERIZED HOT MIX ASPHALT (GAP GRADED)	163.33	
		Note: Includes placement, rolling, finishing and sweeping.		
50 89 85 39-0012	SY	CALTRANS 393004 GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING FABRIC)	2.11	
		Note: 4.1 Oz/SY, 100# 1-Inch Grab Tensile, Non-woven Polypropylene		
		For Up To 50, Add	*0.47*	
		For >50 To 150, Add	*0.35*	
		For >150 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.11*	
50 89 85 39-0013	LF	CALTRANS 394072 PLACE HOT MIX ASPHALT DIKE (TYPE B)	9.27	
50 89 85 39-0014	LF	CALTRANS 394073 PLACE HOT MIX ASPHALT DIKE (TYPE A)	6.81	
50 89 85 39-0015	LF	CALTRANS 394074 PLACE HOT MIX ASPHALT DIKE (TYPE C)	3.75	
50 89 85 39-0016	LF	CALTRANS 394075 PLACE HOT MIX ASPHALT DIKE (TYPE D)	14.80	
50 89 85 39-0017	LF	CALTRANS 394076 PLACE HOT MIX ASPHALT DIKE (TYPE E)	9.58	
50 89 85 39-0018	LF	CALTRANS 394077 PLACE HOT MIX ASPHALT DIKE (TYPE F)	5.46	
50 89 85 39-0019	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) Up To 2"	15.48	
		For Up To 500, Add	*2.54*	
		For >500 To 1,000, Add	*1.46*	
		For >5,000 To 10,000, Deduct	*-0.61*	
		For >10,000 To 24,000, Deduct	*-1.12*	
		For >24,000 To 48,000, Deduct	*-1.73*	
		For >48,000, Deduct	*-2.49*	
50 89 85 39-0020	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >2" To 3"	21.40	
		For Up To 300, Add	*3.29*	
		For >300 To 600, Add	*2.62*	
		For >3,000 To 6,000, Deduct	*-0.88*	
		For >6,000 To 16,000, Deduct	*-1.61*	
		For >16,000 To 32,000, Deduct	*-2.48*	
		For >32,000, Deduct	*-3.57*	
50 89 85 39-0021	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >3" To 4"	28.79	
		For Up To 250, Add	*4.11*	
		For >250 To 500, Add	*2.30*	
		For >2,500 To 5,000, Deduct	*-1.23*	
		For >5,000 To 12,000, Deduct	*-2.25*	
		For >12,000 To 24,000, Deduct	*-3.48*	
		For >24,000, Deduct	*-5.00*	
50 89 85 39-0022	SY	CALTRANS 394090 PLACE HOT MIX ASPHALT (MISCELLANEOUS AREA) >4" To 6"	43.18	
		For Up To 160, Add	*6.17*	
		For >160 To 320, Add	*3.44*	
		For >1,600 To 3,200, Deduct	*-1.85*	
		For >3,200 To 8,000, Deduct	*-3.37*	
		For >8,000 To 16,000, Deduct	*-5.22*	
		For >16,000, Deduct	*-7.51*	
50 89 85 39-0023	TON	CALTRANS 395020 RUBBERIZED HOT MIX ASPHALT-GAP GRADED (BONDED WEARING COURSE)	163.33	
50 89 85 39-0024	TON	CALTRANS 397005 TACK COAT	857.65	
50 89 85 39-0025	SF	CALTRANS 398000 REMOVE ASPHALT CONCRETE PAVEMENT (CY)	205.69	
		For >500 To 1,000, Deduct	*-20.57*	
		For >1,000 To 2,500, Deduct	*-37.02*	
		For >2,500 To 5,000, Deduct	*-53.48*	
		For >5,000 To 10,000, Deduct	*-69.93*	
		For >10,000, Deduct	*-86.39*	
50 89 85 39-0026	SF	CALTRANS 398001 REMOVE ASPHALT CONCRETE PAVEMENT (SQFT)	3.49	
		For >500 To 1,000, Deduct	*-0.35*	
		For >1,000 To 2,500, Deduct	*-0.63*	
		For >2,500 To 5,000, Deduct	*-0.91*	
		For >5,000 To 10,000, Deduct	*-1.19*	
		For >10,000, Deduct	*-1.47*	
50 89 85 39-0027	LF	CALTRANS 398100 REMOVE ASPHALT CONCRETE DIKE	5.70	
50 89 85 39-0028	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (Up To 3")	4.85	
		For Up To 2,500, Add	*3.64*	
		For >2,500 To 5,000, Add	*1.21*	
		For >10,000 To 25,000, Deduct	*-0.49*	
		For >25,000, Deduct	*-0.73*	
50 89 85 39-0029	SY	CALTRANS 398200 COLD PLANE ASPHALT CONCRETE PAVEMENT (>3" To 6")	6.46	
		For Up To 2,500, Add	*4.85*	
		For >2,500 To 5,000, Add	*1.62*	
		For >10,000 To 25,000, Deduct	*-0.65*	
		For >25,000, Deduct	*-0.97*	

50 89 85 40 CONCRETE PAVEMENT *(50 89 85)*

Note: Includes concrete pavement, reinforing, placement, finishing, compaction and testing per CALTRAN Standard.

50 89 85 40-0001	CY	CALTRANS 400050 CONTINUOUSLY REINFORCED CONCRETE PAVEMENT	408.85	
		For >1,000 To 5,000, Deduct	*-19.05*	
		For >5,000, Deduct	*-49.01*	
50 89 85 40-0002	CY	CALTRANS 401050 JOINTED PLAIN CONCRETE PAVEMENT	389.68	
		For >1,000 To 5,000, Deduct	*-19.05*	
		For >5,000, Deduct	*-48.05*	

50 89 85 41 EXISTING CONCRETE PAVEMENT *(50 89 85)*

Note: Includes work on existing concrete pavement, placement and finishing per CALTRAN Standard.

50 89 85 41-0001	EA	CALTRANS 410096 DRILL AND BOND (DOWEL BAR)	33.20	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 85 41-0002	SY	CALTRANS 410121 SPALL REPAIR (FAST-SETTING CONCRETE)	436.44	
		For Up To 100, Add	*601.18*	
		For >100 To 250, Add	*300.59*	
50 89 85 41-0003	LF	CALTRANS 414220 REPLACE JOINT SEAL (ASPHALT RUBBER)	8.74	
50 89 85 41-0004	LF	CALTRANS 414221 REPLACE JOINT SEAL (SILICONE)	8.36	
50 89 85 41-0005	LF	CALTRANS 414222 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 7/16" TO 13/16")	14.55	
50 89 85 41-0006	LF	CALTRANS 414223 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1" TO 1-1/4")	16.95	
50 89 85 41-0007	LF	CALTRANS 414224 REPLACE JOINT SEAL (PREFORMED COMPRESSION, 1-5/8" TO 2")	25.84	
50 89 85 41-0008	LF	CALTRANS 414241 ISOLATION JOINT SEAL (SILICONE)	12.56	
50 89 85 41-0009	LF	CALTRANS 414242 ISOLATION JOINT SEAL (PREFORMED COMPRESSION)	13.38	
50 89 85 41-0010	SY	CALTRANS 416101 PAVEMENT TRANSITION TAPER	64.52	
		For Up To 100, Add	*25.37*	
		For >100 To 250, Add	*14.35*	
		For >250 To 500, Add	*7.18*	
		For >1,000 To 2,000, Deduct	*-1.67*	
		For >2,000 To 5,000, Deduct	*-3.28*	
		For >5,000 To 10,000, Deduct	*-4.89*	
		For >10,000 To 20,000, Deduct	*-6.51*	
		For >20,000, Deduct	*-8.12*	
50 89 85 41-0011	CY	CALTRANS 418002 REMOVE CONCRETE PAVEMENT AND BASE	51.46	
50 89 85 41-0012	SY	CALTRANS 418005 REMOVE CONCRETE PAVEMENT (SQYD)	24.93	
		For >500 To 1,000, Deduct	*-2.49*	
		For >1,000 To 2,500, Deduct	*-4.49*	
		For >2,500 To 5,000, Deduct	*-6.48*	
		For >5,000 To 10,000, Deduct	*-8.48*	
		For >10,000, Deduct	*-10.47*	

50 89 85 42 GROOVE AND GRIND CONCRETE *(50 89 85)*

Note: Includes grooving and grinding concrete roadway surfaces per CALTRAN Standard.

50 89 85 42-0001	SY	CALTRANS 420102 GROOVE EXISTING CONCRETE PAVEMENT	1.86	
50 89 85 42-0002	SY	CALTRANS 420104 GROOVE EXISTING BRIDGE DECK	2.79	
50 89 85 42-0003	SY	CALTRANS 420201 GRIND EXISTING CONCRETE PAVEMENT	4.85	
		For Up To 2,500, Add	*3.64*	
		For >2,500 To 5,000, Add	*1.21*	
		For >10,000 To 25,000, Deduct	*-0.49*	
		For >25,000, Deduct	*-0.73*	
50 89 85 42-0004	SY	CALTRANS 420203 GRIND EXISTING BRIDGE DECK	30.66	
		For >100 To 1,000, Deduct	*-15.33*	
		For >1,000, Deduct	*-23.00*	

50 89 86 CALTRANS DIVISION VI - STRUCTURES *(50 89 80)*

50 89 86 47 EARTH RETAINING SYSTEMS *(50 89 86)*

50 89 86 47-0001	SF	CALTRANS 475010 RETAINING WALL (MASONRY WALL)	73.53	9.16
		For >3:1 Sloped Soil At Top, Add	*4.69*	

50 89 86 56 OVERHEAD SIGN STRUCTURES, STANDARDS, AND POLES *(50 89 86)*

50 89 86 56-0001	SF	CALTRANS 560248 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	23.25	25.41

50 89 86 60 EXISTING STRUCTURES *(50 89 86)*

50 89 86 60-0001	LF	CALTRANS 600063 CORE CONCRETE (1")	134.16	
		For Horizontal Cores, Add	*26.51*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*53.01*	
50 89 86 60-0002	LF	CALTRANS 600064 CORE CONCRETE (2")	165.25	
		For Horizontal Cores, Add	*32.72*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*65.45*	
50 89 86 60-0003	LF	CALTRANS 600065 CORE CONCRETE (3")	181.42	
		For Horizontal Cores, Add	*35.83*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*71.67*	
50 89 86 60-0004	LF	CALTRANS 600066 CORE CONCRETE (4")	241.80	
		For Horizontal Cores, Add	*47.78*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*95.55*	
50 89 86 60-0005	LF	CALTRANS 600067 CORE CONCRETE (5")	278.48	
		For Horizontal Cores, Add	*54.98*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*109.96*	
50 89 86 60-0006	LF	CALTRANS 600068 CORE CONCRETE (6")	314.47	
		For Horizontal Cores, Add	*62.18*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*124.35*	
50 89 86 60-0007	LF	CALTRANS 600069 CORE CONCRETE (7")	411.49	
		For Horizontal Cores, Add	*81.32*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*162.64*	
50 89 86 60-0008	LF	CALTRANS 600070 CORE CONCRETE (8")	507.21	
		For Horizontal Cores, Add	*100.46*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*200.93*	
50 89 86 60-0009	LF	CALTRANS 600071 CORE CONCRETE (9")	58.63	
		For Horizontal Cores, Add	*10.42*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*20.84*	
50 89 86 60-0010	LF	CALTRANS 600072 CORE CONCRETE (10")	546.48	
		For Horizontal Cores, Add	*107.99*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*215.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 86 60-0011	LF	CALTRANS 600074 CORE CONCRETE (12")	629.59	
		For Horizontal Cores, Add	*124.35*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*248.71*	
50 89 86 60-0012	LF	CALTRANS 600081 CORE CONCRETE (1 1/2")	148.89	
		For Horizontal Cores, Add	*29.45*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*58.90*	
50 89 86 60-0013	LF	CALTRANS 600083 CORE CONCRETE (2 1/2")	173.64	
		For Horizontal Cores, Add	*34.28*	
		For Overhead Ceiling Cores (Where Not Accessible From Above), Add	*68.56*	

50 89 87 CALTRANS DIVISION VII - DRAINAGE FACILITIES *(50 89 80)*

50 89 87 64 PLASTIC PIPE *(50 89 87)*

Note: Includes installing plastic pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 64-0001	LF	CALTRANS 641101 12" PLASTIC PIPE	53.18	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0002	LF	CALTRANS 641104 15" PLASTIC PIPE	66.66	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0003	LF	CALTRANS 641107 18" PLASTIC PIPE	84.21	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0004	LF	CALTRANS 641110 21" PLASTIC PIPE	100.12	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0005	LF	CALTRANS 641113 24" PLASTIC PIPE	116.66	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0006	LF	CALTRANS 641119 30" PLASTIC PIPE	168.05	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0007	LF	CALTRANS 641125 36" PLASTIC PIPE	204.83	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0008	LF	CALTRANS 641128 42" PLASTIC PIPE	299.62	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 64-0009	LF	CALTRANS 641131 48" PLASTIC PIPE	363.36	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

50 89 87 65 CONCRETE PIPE *(50 89 87)*

Note: Includes installing concrete pipe, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 65-0001	LF	CALTRANS 650010 12" REINFORCED CONCRETE PIPE	67.49	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.37*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0002	LF	CALTRANS 650012 15" REINFORCED CONCRETE PIPE	83.88	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0003	LF	CALTRANS 650014 18" REINFORCED CONCRETE PIPE	96.09	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.80*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0004	LF	CALTRANS 650016 21" REINFORCED CONCRETE PIPE	123.62	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.18*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0005	LF	CALTRANS 650018 24" REINFORCED CONCRETE PIPE	142.93	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.15*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0006	LF	CALTRANS 650019 27" REINFORCED CONCRETE PIPE	176.67	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-8.83*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0007	LF	CALTRANS 650022 30" REINFORCED CONCRETE PIPE	188.91	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.45*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0008	LF	CALTRANS 650024 33" REINFORCED CONCRETE PIPE	210.84	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.54*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0009	LF	CALTRANS 650026 36" REINFORCED CONCRETE PIPE	232.58	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.63*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0010	LF	CALTRANS 650030 42" REINFORCED CONCRETE PIPE	299.40	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-14.97*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0011	LF	CALTRANS 650034 48" REINFORCED CONCRETE PIPE	358.89	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-17.94*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0012	LF	CALTRANS 650038 54" REINFORCED CONCRETE PIPE	441.12	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-22.06*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0013	LF	CALTRANS 650042 60" REINFORCED CONCRETE PIPE	529.32	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-26.47*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0014	LF	CALTRANS 650046 66" REINFORCED CONCRETE PIPE	785.14	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-39.26*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0015	LF	CALTRANS 650050 72" REINFORCED CONCRETE PIPE	911.29	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-45.56*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0016	LF	CALTRANS 650054 78" REINFORCED CONCRETE PIPE	1,087.64	
		Note: Includes 3.31 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-54.38*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0017	LF	CALTRANS 650058 84" REINFORCED CONCRETE PIPE	1,383.30	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-69.17*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0018	LF	CALTRANS 650065 96" REINFORCED CONCRETE PIPE	1,686.46	
		Note: Includes 4.44 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-84.32*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0019	LF	CALTRANS 650211 18" REINFORCED CONCRETE PIPE (CLASS II)	94.06	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.70*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0020	LF	CALTRANS 650220 30" REINFORCED CONCRETE PIPE (CLASS II)	184.82	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.24*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0021	LF	CALTRANS 650222 33" REINFORCED CONCRETE PIPE (CLASS II)	206.03	
		Note: Includes 1.19 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-10.30*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0022	LF	CALTRANS 650224 36" REINFORCED CONCRETE PIPE (CLASS II)	227.04	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.35*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0023	LF	CALTRANS 650307 12" REINFORCED CONCRETE PIPE (CLASS III)	67.49	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.37*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0024	LF	CALTRANS 650309 15" REINFORCED CONCRETE PIPE (CLASS III)	83.88	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.19*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0025	LF	CALTRANS 650311 18" REINFORCED CONCRETE PIPE (CLASS III)	96.09	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.80*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0026	LF	CALTRANS 650316 24" REINFORCED CONCRETE PIPE (CLASS III)	142.93	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.15*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0027	LF	CALTRANS 650318 27" REINFORCED CONCRETE PIPE (CLASS III)	176.67	
		Note: Includes 0.98 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-8.83*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0028	LF	CALTRANS 650320 30" REINFORCED CONCRETE PIPE (CLASS III)	188.91	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.45*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0029	LF	CALTRANS 650324 36" REINFORCED CONCRETE PIPE (CLASS III)	232.58	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-11.63*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0030	LF	CALTRANS 650328 42" REINFORCED CONCRETE PIPE (CLASS III)	299.40	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-14.97*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0031	LF	CALTRANS 650336 54" REINFORCED CONCRETE PIPE (CLASS III)	441.12	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-22.06*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0032	LF	CALTRANS 650407 12" REINFORCED CONCRETE PIPE (CLASS IV)	70.36	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.52*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0033	LF	CALTRANS 650409 15" REINFORCED CONCRETE PIPE (CLASS IV)	87.55	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.38*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0034	LF	CALTRANS 650411 18" REINFORCED CONCRETE PIPE (CLASS IV)	99.96	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-5.00*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0035	LF	CALTRANS 650416 24" REINFORCED CONCRETE PIPE (CLASS IV)	148.61	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.43*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0036	LF	CALTRANS 650420 30" REINFORCED CONCRETE PIPE (CLASS IV)	196.66	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.83*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0037	LF	CALTRANS 650424 36" REINFORCED CONCRETE PIPE (CLASS IV)	243.10	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.16*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0038	LF	CALTRANS 650432 48" REINFORCED CONCRETE PIPE (CLASS IV)	377.76	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-18.89*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0039	LF	CALTRANS 650436 54" REINFORCED CONCRETE PIPE (CLASS IV)	465.64	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-23.28*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0040	LF	CALTRANS 650440 60" REINFORCED CONCRETE PIPE (CLASS IV)	559.46	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-27.97*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0041	LF	CALTRANS 650507 12" REINFORCED CONCRETE PIPE (CLASS V)	73.53	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.68*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0042	LF	CALTRANS 650511 18" REINFORCED CONCRETE PIPE (CLASS V)	104.23	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-5.21*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0043	LF	CALTRANS 650516 24" REINFORCED CONCRETE PIPE (CLASS V)	154.89	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.74*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0044	LF	CALTRANS 650520 30" REINFORCED CONCRETE PIPE (CLASS V)	188.91	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.45*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0045	LF	CALTRANS 650524 36" REINFORCED CONCRETE PIPE (CLASS V)	254.72	
		Note: Includes 1.30 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-12.74*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0046	LF	CALTRANS 650528 42" REINFORCED CONCRETE PIPE (CLASS V)	299.40	
		Note: Includes 1.53 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-14.97*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0047	LF	CALTRANS 650536 54" REINFORCED CONCRETE PIPE (CLASS V)	492.73	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-24.64*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0048	LF	CALTRANS 650540 60" REINFORCED CONCRETE PIPE (CLASS V)	529.32	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-26.47*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0049	LF	CALTRANS 650548 72" REINFORCED CONCRETE PIPE (CLASS V)	911.29	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-45.56*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0050	LF	CALTRANS 652207 12" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	68.10	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.41*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0051	LF	CALTRANS 652215 24" REINFORCED CONCRETE PIPE (CLASS II, RUBBER GASKET JOINT)	144.13	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.21*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0052	LF	CALTRANS 652307 12" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	69.76	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-3.49*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0053	LF	CALTRANS 652311 18" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	99.14	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-4.96*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0054	LF	CALTRANS 652314 21" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	127.59	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-6.38*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0055	LF	CALTRANS 652316 24" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	147.42	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-7.37*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0056	LF	CALTRANS 652320 30" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT)	195.03	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For >1,000, Deduct	*-9.75*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0057	LF	CALTRANS 652324 36" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 1.30 CY of excavated material per LF of pipe.	240.88	
		For >1,000, Deduct	*-12.04*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0058	LF	CALTRANS 652328 42" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 1.53 CY of excavated material per LF of pipe.	311.41	
		For >1,000, Deduct	*-15.57*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0059	LF	CALTRANS 652332 48" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 1.78 CY of excavated material per LF of pipe.	373.79	
		For >1,000, Deduct	*-18.69*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0060	LF	CALTRANS 652348 72" REINFORCED CONCRETE PIPE (CLASS III, RUBBER GASKET JOINT) Note: Includes 2.96 CY of excavated material per LF of pipe.	960.30	
		For >1,000, Deduct	*-48.02*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0061	LF	CALTRANS 652416 24" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 0.89 CY of excavated material per LF of pipe.	153.52	
		For >1,000, Deduct	*-7.68*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0062	LF	CALTRANS 652420 30" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 1.08 CY of excavated material per LF of pipe.	203.36	
		For >1,000, Deduct	*-10.17*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0063	LF	CALTRANS 652424 36" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 1.30 CY of excavated material per LF of pipe.	252.18	
		For >1,000, Deduct	*-12.61*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0064	LF	CALTRANS 652428 42" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 1.53 CY of excavated material per LF of pipe.	327.75	
		For >1,000, Deduct	*-16.39*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0065	LF	CALTRANS 652444 66" REINFORCED CONCRETE PIPE (CLASS IV, RUBBER GASKET JOINT) Note: Includes 2.64 CY of excavated material per LF of pipe.	882.58	
		For >1,000, Deduct	*-44.13*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0066	LF	CALTRANS 654311 18" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) Note: Includes 0.64 CY of excavated material per LF of pipe.	162.75	
		For >1,000, Deduct	*-8.14*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0067	LF	CALTRANS 654316 24" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) Note: Includes 0.89 CY of excavated material per LF of pipe.	201.12	
		For >1,000, Deduct	*-10.06*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0068	LF	CALTRANS 654324 36" REINFORCED CONCRETE PRESSURE PIPE (CLASS III) Note: Includes 1.30 CY of excavated material per LF of pipe.	267.52	
		For >1,000, Deduct	*-13.38*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0069	LF	CALTRANS 657213 24" X 38" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS II) Note: Includes 1.08 CY of excavated material per LF of pipe.	280.50	
		For >1,000, Deduct	*-14.03*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0070	LF	CALTRANS 657329 34" X 53" OVAL SHAPED REINFORCED CONCRETE PIPE (CLASS III) Note: Includes 1.78 CY of excavated material per LF of pipe.	481.67	
		For >1,000, Deduct	*-24.08*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0071	LF	CALTRANS 659108 18" NON-REINFORCED CONCRETE PIPE Note: Includes 0.64 CY of excavated material per LF of pipe.	87.96	
		For >1,000, Deduct	*-4.40*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0072	LF	CALTRANS 659109 24" NON-REINFORCED CONCRETE PIPE Note: Includes 0.89 CY of excavated material per LF of pipe.	130.97	
		For >1,000, Deduct	*-6.55*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 65-0073	LF	CALTRANS 659110 30" NON-REINFORCED CONCRETE PIPE Note: Includes 1.08 CY of excavated material per LF of pipe.	172.58	
		For >1,000, Deduct	*-8.63*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 65-0074	LF	CALTRANS 659111 36" NON-REINFORCED CONCRETE PIPE Note: Includes 1.30 CY of excavated material per LF of pipe.	210.44	
		For >1,000, Deduct	*-10.52*	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

50 89 87 66 CORRUGATED METAL PIPE *(50 89 87)*

Note: Includes installing corrugated metal pipe and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, reinforcement, concrete collars or tees, testing, and other connecting devices per CALTRAN Standard.

50 89 87 66-0001	LF	CALTRANS 665002 6" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	30.42	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0002	LF	CALTRANS 665003 6" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	32.92	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0003	LF	CALTRANS 665005 8" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	41.00	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0004	LF	CALTRANS 665006 8" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.29 CY of excavated material per LF of pipe.	44.28	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0005	LF	CALTRANS 665008 10" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe.	50.46	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0006	LF	CALTRANS 665009 10" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.32 CY of excavated material per LF of pipe.	53.14	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0007	LF	CALTRANS 665011 12" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe.	56.11	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0008	LF	CALTRANS 665012 12" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe.	60.39	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0009	LF	CALTRANS 665013 15" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	70.59	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0010	LF	CALTRANS 665014 15" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	75.87	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0011	LF	CALTRANS 665015 15" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe.	86.75	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0012	LF	CALTRANS 665016 18" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	82.69	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0013	LF	CALTRANS 665017 18" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	89.07	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0014	LF	CALTRANS 665018 18" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe.	102.26	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0015	LF	CALTRANS 665019 21" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	98.15	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0016	LF	CALTRANS 665020 21" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	105.51	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0017	LF	CALTRANS 665021 21" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe.	120.85	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0018	LF	CALTRANS 665022 24" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe.	108.77	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0019	LF	CALTRANS 665023 24" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	117.56 *0.97* *1.22*	
50 89 87 66-0020	LF	CALTRANS 665024 24" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	135.04 *0.97* *1.22*	
50 89 87 66-0021	LF	CALTRANS 665025 24" CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	149.71 *0.97* *1.22*	
50 89 87 66-0022	LF	CALTRANS 665026 27" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.98 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	125.57 *0.97* *1.22*	
50 89 87 66-0023	LF	CALTRANS 665027 27" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.98 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	135.31 *0.97* *1.22*	
50 89 87 66-0024	LF	CALTRANS 665030 30" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	145.35 *0.97* *1.22*	
50 89 87 66-0025	LF	CALTRANS 665031 30" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	155.81 *0.97* *1.22*	
50 89 87 66-0026	LF	CALTRANS 665032 30" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	177.41 *0.97* *1.22*	
50 89 87 66-0027	LF	CALTRANS 665033 30" CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	196.07 *0.97* *1.22*	
50 89 87 66-0028	LF	CALTRANS 665035 36" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	191.38 *0.97* *1.22*	
50 89 87 66-0029	LF	CALTRANS 665036 36" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	204.07 *0.97* *1.22*	
50 89 87 66-0030	LF	CALTRANS 665037 36" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	229.70 *0.97* *1.22*	
50 89 87 66-0031	LF	CALTRANS 665038 36" CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	253.70 *0.97* *1.22*	
50 89 87 66-0032	LF	CALTRANS 665039 36" CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	282.05 *0.97* *1.22*	
50 89 87 66-0033	LF	CALTRANS 665040 42" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	222.99 *0.97* *1.22*	
50 89 87 66-0034	LF	CALTRANS 665041 42" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	237.53 *0.97* *1.22*	
50 89 87 66-0035	LF	CALTRANS 665042 42" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	267.14 *0.97* *1.22*	
50 89 87 66-0036	LF	CALTRANS 665043 42" COORUGATED STEEL PIPE (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	295.22 *0.97* *1.22*	
50 89 87 66-0037	LF	CALTRANS 665045 48" CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	253.99 *0.97* *1.22*	
50 89 87 66-0038	LF	CALTRANS 665046 48" CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	270.62 *0.97* *1.22*	
50 89 87 66-0039	LF	CALTRANS 665047 48" CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	304.57 *0.97* *1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0040	LF	CALTRANS 665048 48" CORRUGATED STEEL PIPE (.138" THICK)	336.42	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0041	LF	CALTRANS 665049 48" CORRUGATED STEEL PIPE (.168" THICK)	373.96	
		Note: Includes 1.78 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0042	LF	CALTRANS 665050 54" CORRUGATED STEEL PIPE (.079" THICK)	330.37	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0043	LF	CALTRANS 665051 54" CORRUGATED STEEL PIPE (.109" THICK)	367.86	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0044	LF	CALTRANS 665052 54" CORRUGATED STEEL PIPE (.138" THICK)	403.54	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0045	LF	CALTRANS 665053 54" CORRUGATED STEEL PIPE (.168" THICK)	448.00	
		Note: Includes 2.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0046	LF	CALTRANS 665055 60" CORRUGATED STEEL PIPE (.109" THICK)	425.34	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0047	LF	CALTRANS 665056 60" CORRUGATED STEEL PIPE (.138" THICK)	465.06	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0048	LF	CALTRANS 665057 60" CORRUGATED STEEL PIPE (.168" THICK)	513.89	
		Note: Includes 2.33 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0049	LF	CALTRANS 665058 66" CORRUGATED STEEL PIPE (.109" THICK)	510.20	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0050	LF	CALTRANS 665059 66" CORRUGATED STEEL PIPE (.138" THICK)	553.86	
		Note: Includes 2.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0051	LF	CALTRANS 665061 72" CORRUGATED STEEL PIPE (.109" THICK)	683.37	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0052	LF	CALTRANS 665062 72" CORRUGATED STEEL PIPE (.138" THICK)	745.24	
		Note: Includes 2.96 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0053	LF	CALTRANS 665064 78" CORRUGATED STEEL PIPE (.138" THICK)	805.43	
		Note: Includes 3.31 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0054	LF	CALTRANS 665066 84" CORRUGATED STEEL PIPE (.138" THICK)	862.52	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0055	LF	CALTRANS 665067 84" CORRUGATED STEEL PIPE (.168" THICK)	955.50	
		Note: Includes 3.67 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0056	LF	CALTRANS 665068 90" CORRUGATED STEEL PIPE (.138" THICK)	924.22	
		Note: Includes 4.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0057	LF	CALTRANS 665070 96" CORRUGATED STEEL PIPE (.168" THICK)	983.49	
		Note: Includes 4.44 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0058	LF	CALTRANS 665075 18" CORRUGATED STEEL PIPE (.138" THICK)	113.21	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0059	LF	CALTRANS 665094 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	123.51	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0060	LF	CALTRANS 665103 6" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	35.71	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0061	LF	CALTRANS 665105 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	44.65	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0062	LF	CALTRANS 665106 8" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	47.95	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0063	LF	CALTRANS 665108 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	55.06	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0064	LF	CALTRANS 665109 10" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	59.21	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0065	LF	CALTRANS 665111 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	60.96	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0066	LF	CALTRANS 665112 12" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	65.26	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0067	LF	CALTRANS 665113 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	76.63	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0068	LF	CALTRANS 665114 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	81.97	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0069	LF	CALTRANS 665115 15" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	95.06	
		Note: Includes 0.53 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0070	LF	CALTRANS 665116 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	90.01	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0071	LF	CALTRANS 665117 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	96.46	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0072	LF	CALTRANS 665118 18" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	110.72	
		Note: Includes 0.64 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0073	LF	CALTRANS 665119 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	106.89	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0074	LF	CALTRANS 665120 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	114.30	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0075	LF	CALTRANS 665121 21" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	130.85	
		Note: Includes 0.80 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0076	LF	CALTRANS 665122 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	114.12	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0077	LF	CALTRANS 665123 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	127.51	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0078	LF	CALTRANS 665124 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	146.38	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0079	LF	CALTRANS 665125 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	163.52	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0080	LF	CALTRANS 665130 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK)	158.12	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0081	LF	CALTRANS 665131 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK)	168.58	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0082	LF	CALTRANS 665132 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK)	191.83	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0083	LF	CALTRANS 665133 30" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK)	213.63	
		Note: Includes 1.08 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0084	LF	CALTRANS 665135 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	207.48	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0085	LF	CALTRANS 665136 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	220.08	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0086	LF	CALTRANS 665137 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	247.53	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0087	LF	CALTRANS 665138 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	276.38	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0088	LF	CALTRANS 665139 36" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	309.75	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0089	LF	CALTRANS 665140 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe.	242.05	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0090	LF	CALTRANS 665141 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe.	256.37	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0091	LF	CALTRANS 665142 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe.	288.04	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0092	LF	CALTRANS 665143 42" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe.	321.79	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0093	LF	CALTRANS 665145 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	275.34	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0094	LF	CALTRANS 665146 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	291.80	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0095	LF	CALTRANS 665147 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	328.16	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0096	LF	CALTRANS 665148 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	366.45	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0097	LF	CALTRANS 665149 48" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	410.65	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0098	LF	CALTRANS 665150 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe.	356.42	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0099	LF	CALTRANS 665151 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe.	396.14	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0100	LF	CALTRANS 665152 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe.	439.11	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0101	LF	CALTRANS 665153 54" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe.	491.45	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0102	LF	CALTRANS 665155 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe.	456.35	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0103	LF	CALTRANS 665156 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe.	504.13	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0104	LF	CALTRANS 665157 60" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe.	561.61	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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50 89 87 66-0105	LF	CALTRANS 665158 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	547.92 *0.97* *1.22*	
50 89 87 66-0106	LF	CALTRANS 665159 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	598.99 *0.97* *1.22*	
50 89 87 66-0107	LF	CALTRANS 665160 66" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	669.35 *0.97* *1.22*	
50 89 87 66-0108	LF	CALTRANS 665161 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	745.09 *0.97* *1.22*	
50 89 87 66-0109	LF	CALTRANS 665162 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	819.34 *0.97* *1.22*	
50 89 87 66-0110	LF	CALTRANS 665163 72" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 2.96 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	904.55 *0.97* *1.22*	
50 89 87 66-0111	LF	CALTRANS 665164 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 3.31 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	883.58 *0.97* *1.22*	
50 89 87 66-0112	LF	CALTRANS 665165 78" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 3.31 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	975.74 *0.97* *1.22*	
50 89 87 66-0113	LF	CALTRANS 665166 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 3.67 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	947.05 *0.97* *1.22*	
50 89 87 66-0114	LF	CALTRANS 665167 84" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 3.67 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	1,058.63 *0.97* *1.22*	
50 89 87 66-0115	LF	CALTRANS 665168 90" BITUMINOUS COATED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 4.05 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	1,013.96 *0.97* *1.22*	
50 89 87 66-0116	LF	CALTRANS 665180 24" BITUMINOUS COATED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	188.60 *0.97* *1.22*	
50 89 87 66-0117	LF	CALTRANS 665223 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	140.60 *0.97* *1.22*	
50 89 87 66-0118	LF	CALTRANS 665224 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	155.51 *0.97* *1.22*	
50 89 87 66-0119	LF	CALTRANS 665237 36" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	261.90 *0.97* *1.22*	
50 89 87 66-0120	LF	CALTRANS 665323 24" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	127.51 *0.97* *1.22*	
50 89 87 66-0121	LF	CALTRANS 665334 30" BITUMINOUS LINED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	245.52 *0.97* *1.22*	
50 89 87 66-0122	LF	CALTRANS 665336 36" BITUMINOUS LINED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	220.08 *0.97* *1.22*	
50 89 87 66-0123	LF	CALTRANS 665711 12" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	61.54 *0.97* *1.22*	
50 89 87 66-0124	LF	CALTRANS 665712 12" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	65.83 *0.97* *1.22*	
50 89 87 66-0125	LF	CALTRANS 665713 12" SLOTTED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	79.20 *0.97* *1.22*	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0126	LF	CALTRANS 665716 18" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	110.40 *0.97* *1.22*	
50 89 87 66-0127	LF	CALTRANS 665717 18" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	120.24 *0.97* *1.22*	
50 89 87 66-0128	LF	CALTRANS 665718 18" SLOTTED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	204.51 *0.97* *1.22*	
50 89 87 66-0129	LF	CALTRANS 665722 24" SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	119.65 *0.97* *1.22*	
50 89 87 66-0130	LF	CALTRANS 665723 24" SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	128.38 *0.97* *1.22*	
50 89 87 66-0131	LF	CALTRANS 665811 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	67.64 *0.97* *1.22*	
50 89 87 66-0132	LF	CALTRANS 665812 12" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	72.96 *0.97* *1.22*	
50 89 87 66-0133	LF	CALTRANS 665816 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.064" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	124.40 *0.97* *1.22*	
50 89 87 66-0134	LF	CALTRANS 665817 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	136.62 *0.97* *1.22*	
50 89 87 66-0135	LF	CALTRANS 665818 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	174.79 *0.97* *1.22*	
50 89 87 66-0136	LF	CALTRANS 665820 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.138" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	204.69 *0.97* *1.22*	
50 89 87 66-0137	LF	CALTRANS 665822 24" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	142.88 *0.97* *1.22*	
50 89 87 66-0138	LF	CALTRANS 665828 18" BITUMINOUS COATED SLOTTED CORRUGATED STEEL PIPE (.168" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	241.28 *0.97* *1.22*	
50 89 87 66-0139	LF	CALTRANS 667001 17" X 13" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.53 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	79.11 *0.97* *1.22*	
50 89 87 66-0140	LF	CALTRANS 667005 21" X 15" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	96.68 *0.97* *1.22*	
50 89 87 66-0141	LF	CALTRANS 667006 21" X 15" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.64 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	109.77 *0.97* *1.22*	
50 89 87 66-0142	LF	CALTRANS 667009 24" X 18" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	113.88 *0.97* *1.22*	
50 89 87 66-0143	LF	CALTRANS 667010 24" X 18" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.80 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	129.31 *0.97* *1.22*	
50 89 87 66-0144	LF	CALTRANS 667013 28" X 20" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	120.45 *0.97* *1.22*	
50 89 87 66-0145	LF	CALTRANS 667014 28" X 20" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	145.11 *0.97* *1.22*	
50 89 87 66-0146	LF	CALTRANS 667015 28" X 20" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe. *For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe* *For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe*	160.41 *0.97* *1.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0147	LF	CALTRANS 667018 35" X 24" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe.	168.33	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0148	LF	CALTRANS 667019 35" X 24" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe.	189.89	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0149	LF	CALTRANS 667020 35" X 24" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.08 CY of excavated material per LF of pipe.	209.15	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0150	LF	CALTRANS 667023 42" X 29" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	208.90	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0151	LF	CALTRANS 667024 42" X 29" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	234.38	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0152	LF	CALTRANS 667025 42" X 29" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	258.37	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0153	LF	CALTRANS 667028 49" X 33" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe.	244.40	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0154	LF	CALTRANS 667029 49" X 33" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe.	273.81	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0155	LF	CALTRANS 667030 49" X 33" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.53 CY of excavated material per LF of pipe.	301.79	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0156	LF	CALTRANS 667033 57" X 38" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	293.33	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0157	LF	CALTRANS 667034 57" X 38" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	319.45	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0158	LF	CALTRANS 667035 57" X 38" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 1.78 CY of excavated material per LF of pipe.	351.16	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0159	LF	CALTRANS 667037 64" X 43" CORRUGATED STEEL PIPE ARCH (.079" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe.	342.29	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0160	LF	CALTRANS 667038 64" X 43" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 2.05 CY of excavated material per LF of pipe.	371.14	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0161	LF	CALTRANS 667041 71" X 47" CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe.	432.65	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0162	LF	CALTRANS 667042 71" X 47" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 2.33 CY of excavated material per LF of pipe.	468.75	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0163	LF	CALTRANS 667048 83" X 57" CORRUGATED STEEL PIPE ARCH (.138" THICK) Note: Includes 2.64 CY of excavated material per LF of pipe.	712.43	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0164	LF	CALTRANS 667114 28" X 20" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.109" THICK) Note: Includes 0.89 CY of excavated material per LF of pipe.	157.14	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0165	LF	CALTRANS 667326 42" X 29" BITUMINOUS COATED CORRUGATED STEEL PIPE ARCH (.168" THICK) Note: Includes 1.30 CY of excavated material per LF of pipe.	315.27	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0166	LF	CALTRANS 669012 12" CORRUGATED STEEL PIPE CONDUIT (.079" THICK) Note: Includes 0.37 CY of excavated material per LF of pipe.	60.39	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0167	LF	CALTRANS 669016 18" CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	82.69	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0168	LF	CALTRANS 669017 18" CORRUGATED STEEL PIPE CONDUIT (.079" THICK)	89.07	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

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CSI	MINOR UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 66-0169	LF	CALTRANS 669018 18" CORRUGATED STEEL PIPE CONDUIT (.109" THICK)	102.26	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0170	LF	CALTRANS 669055 8" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.064" THICK)	44.65	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 66-0171	LF	CALTRANS 669072 24" BITUMINOUS COATED CORRUGATED STEEL PIPE CONDUIT (.079" THICK)	127.51	
		Note: Includes 0.89 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

50 89 87 67 STRUCTURAL PLATE CULVERTS *(50 89 87)*

Note: Includes structural metal plate pipe, arches and pipe arches, excavation, backfill, compaction, connection of new pipe to new or existing facilities, testing, and other connecting devices per CALTRAN Standard.

50 89 87 67-0001	LF	CALTRANS 670602 90" STRUCTURAL STEEL PLATE PIPE (.138" THICK)	969.31	
		Note: Includes 4.05 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 67-0002	LF	CALTRANS 670901 108" STRUCTURAL STEEL PLATE PIPE (.109" THICK)	1,058.95	
		Note: Includes 5.30 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 67-0003	LF	CALTRANS 671101 120" STRUCTURAL STEEL PLATE PIPE (.109" THICK)	1,175.04	
		Note: Includes 6.22 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 67-0004	LF	CALTRANS 674351 11'-10" X 7'-7" STRUCTURAL STEEL PLATE PIPE ARCH (.109" THICK)	1,350.76	
		Note: Includes 0.32 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

50 89 87 68 SUBSURFACE DRAINS *(50 89 87)*

Note: Includes subsurface drains, excavation, backfill and compaction per CALTRAN Standard.

50 89 87 68-0001	LF	CALTRANS 680402 6" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	33.67	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 68-0002	LF	CALTRANS 680405 8" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	45.32	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 68-0003	LF	CALTRANS 680406 8" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	49.56	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 68-0004	LF	CALTRANS 680411 12" PERFORATED STEEL PIPE UNDERDRAIN (.064" THICK)	63.95	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 68-0005	LF	CALTRANS 680412 12" PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	69.50	
		Note: Includes 0.37 CY of excavated material per LF of pipe.		
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	
50 89 87 68-0006	LF	CALTRANS 680436 8" BITUMINOUS COATED PERFORATED STEEL PIPE UNDERDRAIN (.079" THICK)	54.30	
		For Additional Excavation, Backfill And Compaction, Add Per CF Amount Required Per LF Of Pipe	*0.97*	
		For Bedding Material Below Pipe, Add Per CF Amount Required Per LF Of Pipe	*1.22*	

50 89 87 69 OVERSIDE DRAINS *(50 89 87)*

Note: Includes constructing overside drains, excavation, backfill, compaction and anchors per CALTRAN Standard.

50 89 87 69-0001	LF	CALTRANS 690103 6" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	32.34	
50 89 87 69-0002	LF	CALTRANS 690105 8" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	40.04	
50 89 87 69-0003	LF	CALTRANS 690106 8" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	43.32	
50 89 87 69-0004	LF	CALTRANS 690107 10" CORRUGATED STEEL PIPE DOWNDRAIN	52.04	
50 89 87 69-0005	LF	CALTRANS 690111 12" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	54.52	
50 89 87 69-0006	LF	CALTRANS 690112 12" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	58.80	
50 89 87 69-0007	LF	CALTRANS 690114 15" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	73.70	
50 89 87 69-0008	LF	CALTRANS 690115 15" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	84.57	
50 89 87 69-0009	LF	CALTRANS 690116 18" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	80.20	
50 89 87 69-0010	LF	CALTRANS 690117 18" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	86.57	
50 89 87 69-0011	LF	CALTRANS 690118 18" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	99.76	
50 89 87 69-0012	LF	CALTRANS 690122 24" CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	104.28	
50 89 87 69-0013	LF	CALTRANS 690123 24" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	112.84	
50 89 87 69-0014	LF	CALTRANS 690124 24" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	130.31	
50 89 87 69-0015	LF	CALTRANS 690125 24" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	144.98	
50 89 87 69-0016	LF	CALTRANS 690131 30" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	150.50	
50 89 87 69-0017	LF	CALTRANS 690132 30" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	172.11	
50 89 87 69-0018	LF	CALTRANS 690134 30" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	190.77	
50 89 87 69-0019	LF	CALTRANS 690136 36" CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	198.13	
50 89 87 69-0020	LF	CALTRANS 690137 36" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	223.76	
50 89 87 69-0021	LF	CALTRANS 690138 36" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	247.76	
50 89 87 69-0022	LF	CALTRANS 690142 42" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	258.46	
50 89 87 69-0023	LF	CALTRANS 690147 48" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	292.74	
50 89 87 69-0024	LF	CALTRANS 690148 48" CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	324.60	
50 89 87 69-0025	LF	CALTRANS 690150 54" CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	355.02	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 69-0026	LF	CALTRANS 690205 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	43.69	
50 89 87 69-0027	LF	CALTRANS 690206 8" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	46.99	
50 89 87 69-0028	LF	CALTRANS 690211 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	59.37	
50 89 87 69-0029	LF	CALTRANS 690212 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	63.66	
50 89 87 69-0030	LF	CALTRANS 690216 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	87.51	
50 89 87 69-0031	LF	CALTRANS 690217 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	93.96	
50 89 87 69-0032	LF	CALTRANS 690218 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	108.22	
50 89 87 69-0033	LF	CALTRANS 690222 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	114.12	
50 89 87 69-0034	LF	CALTRANS 690223 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	122.78	
50 89 87 69-0035	LF	CALTRANS 690224 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	141.65	
50 89 87 69-0036	LF	CALTRANS 690225 24" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	158.79	
50 89 87 69-0037	LF	CALTRANS 690231 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	163.27	
50 89 87 69-0038	LF	CALTRANS 690232 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	186.52	
50 89 87 69-0039	LF	CALTRANS 690235 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.064" THICK)	201.54	
50 89 87 69-0040	LF	CALTRANS 690237 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	241.59	
50 89 87 69-0041	LF	CALTRANS 690238 36" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	270.44	
50 89 87 69-0042	LF	CALTRANS 690242 42" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	279.35	
50 89 87 69-0043	LF	CALTRANS 690247 48" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	316.34	
50 89 87 69-0044	LF	CALTRANS 690253 30" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	208.32	
50 89 87 69-0045	LF	CALTRANS 690260 12" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	82.12	
50 89 87 69-0046	LF	CALTRANS 690263 18" BITUMINOUS COATED CORRUGATED STEEL PIPE DOWNDRAIN (.138" THICK)	121.16	
50 89 87 69-0047	LF	CALTRANS 690318 18" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	115.04	
50 89 87 69-0048	LF	CALTRANS 690324 24" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	150.79	
50 89 87 69-0049	LF	CALTRANS 690341 42" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.079" THICK)	247.69	
50 89 87 69-0050	LF	CALTRANS 690351 54" BITUMINOUS COATED PAVED INVERT CORRUGATED STEEL PIPE DOWNDRAIN (.109" THICK)	406.10	
50 89 87 69-0051	LF	CALTRANS 690960 12" PLASTIC PIPE DOWNDRAIN	51.58	
50 89 87 69-0052	LF	CALTRANS 690964 18" PLASTIC PIPE DOWNDRAIN	81.72	
50 89 87 69-0053	EA	CALTRANS 692303 8" ANCHOR ASSEMBLY	683.40	
50 89 87 69-0054	EA	CALTRANS 692305 12" ANCHOR ASSEMBLY	854.80	
50 89 87 69-0055	EA	CALTRANS 692306 15" ANCHOR ASSEMBLY	960.55	
50 89 87 69-0056	EA	CALTRANS 692307 18" ANCHOR ASSEMBLY	1,073.51	
50 89 87 69-0057	EA	CALTRANS 692309 24" ANCHOR ASSEMBLY	1,321.77	
50 89 87 69-0058	EA	CALTRANS 692311 30" ANCHOR ASSEMBLY	1,584.57	
50 89 87 69-0059	EA	CALTRANS 692313 36" ANCHOR ASSEMBLY	1,847.55	
50 89 87 69-0060	EA	CALTRANS 692319 54" ANCHOR ASSEMBLY	2,639.58	

50 89 87 70 MISCELLANEOUS DRAINAGE FACILITIES *(50 89 87)*

50 89 87 70-0001	LF	CALTRANS 700637 36" CORRUGATED STEEL PIPE INLET (.064" THICK)	204.07	
50 89 87 70-0002	LF	CALTRANS 700638 36" CORRUGATED STEEL PIPE INLET (.079" THICK)	204.07	
50 89 87 70-0003	LF	CALTRANS 700639 36" CORRUGATED STEEL PIPE INLET (.109" THICK)	229.70	
50 89 87 70-0004	LF	CALTRANS 700640 36" CORRUGATED STEEL PIPE INLET (.138" THICK)	253.70	
50 89 87 70-0005	LF	CALTRANS 700641 36" CORRUGATED STEEL PIPE INLET (.168" THICK)	307.82	
50 89 87 70-0006	LF	CALTRANS 700655 48" CORRUGATED STEEL PIPE INLET (.109" THICK)	304.57	
50 89 87 70-0007	LF	CALTRANS 700656 48" CORRUGATED STEEL PIPE INLET (.138" THICK)	336.42	
50 89 87 70-0008	LF	CALTRANS 700837 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.064" THICK)	207.48	
50 89 87 70-0009	LF	CALTRANS 700838 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	218.59	
50 89 87 70-0010	LF	CALTRANS 700839 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.109" THICK)	247.53	
50 89 87 70-0011	LF	CALTRANS 700840 36" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.138" THICK)	276.38	
50 89 87 70-0012	LF	CALTRANS 700854 48" BITUMINOUS COATED CORRUGATED STEEL PIPE INLET (.079" THICK)	328.16	
50 89 87 70-0013	LF	CALTRANS 703516 8" WELDED STEEL PIPE (.188" THICK)	110.79	29.56
		For >1,000, Deduct	*-5.54*	
50 89 87 70-0014	LF	CALTRANS 703525 10" WELDED STEEL PIPE (.250" THICK)	153.35	32.25
		For >1,000, Deduct	*-7.67*	
50 89 87 70-0015	LF	CALTRANS 703533 12" WELDED STEEL PIPE (.250" THICK)	173.70	33.79
		For >1,000, Deduct	*-8.69*	
50 89 87 70-0016	LF	CALTRANS 703555 18" WELDED STEEL PIPE (.250" THICK)	246.77	44.34
		For >1,000, Deduct	*-12.34*	
50 89 87 70-0017	LF	CALTRANS 703557 18" WELDED STEEL PIPE (.375" THICK)	322.07	74.43
		For >1,000, Deduct	*-16.10*	
50 89 87 70-0018	LF	CALTRANS 703564 20" WELDED STEEL PIPE (.375" THICK)	352.66	74.43
		For >1,000, Deduct	*-17.63*	
50 89 87 70-0019	LF	CALTRANS 703575 24" WELDED STEEL PIPE (.250" THICK)	381.83	85.88
		For >1,000, Deduct	*-19.09*	
50 89 87 70-0020	LF	CALTRANS 703576 24" WELDED STEEL PIPE (.375" THICK)	447.86	85.88
		For >1,000, Deduct	*-22.39*	
50 89 87 70-0021	LF	CALTRANS 703598 30" WELDED STEEL PIPE (.250" THICK)	443.99	100.19
		For >1,000, Deduct	*-22.20*	
50 89 87 70-0022	LF	CALTRANS 703600 30" WELDED STEEL PIPE (.375" THICK)	520.41	100.19
		For >1,000, Deduct	*-26.02*	
50 89 87 70-0023	LF	CALTRANS 703618 36" WELDED STEEL PIPE (.250" THICK)	587.16	120.23
		For >1,000, Deduct	*-29.36*	
50 89 87 70-0024	LF	CALTRANS 703620 36" WELDED STEEL PIPE (.375" THICK)	692.61	120.23
		For >1,000, Deduct	*-34.63*	
50 89 87 70-0025	LF	CALTRANS 703644 42" WELDED STEEL PIPE (.250" THICK)	1,178.89	134.54
		For >1,000, Deduct	*-58.94*	
50 89 87 70-0026	LF	CALTRANS 703646 42" WELDED STEEL PIPE (.375" THICK)	1,178.89	134.54
		For >1,000, Deduct	*-58.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 70-0027	LF	CALTRANS 703656 48" WELDED STEEL PIPE (.375" THICK)	1,353.74	151.72
		For >1,000, Deduct	*-67.69*	
50 89 87 70-0028	LF	CALTRANS 703755 8" COATED WELDED STEEL PIPE (.188" THICK)	125.12	29.56
		For >1,000, Deduct	*-6.26*	
50 89 87 70-0029	LF	CALTRANS 703757 10" COATED WELDED STEEL PIPE (.250" THICK)	169.33	32.25
		For >1,000, Deduct	*-8.47*	
50 89 87 70-0030	LF	CALTRANS 703760 12" COATED WELDED STEEL PIPE (.250" THICK)	173.70	33.79
		For >1,000, Deduct	*-8.69*	
50 89 87 70-0031	LF	CALTRANS 703762 18" COATED WELDED STEEL PIPE (.250" THICK)	273.83	44.34
		For >1,000, Deduct	*-13.69*	
50 89 87 70-0032	LF	CALTRANS 703763 18" COATED WELDED STEEL PIPE (.375" THICK)	349.13	74.43
		For >1,000, Deduct	*-17.46*	
50 89 87 70-0033	LF	CALTRANS 703764 20" COATED WELDED STEEL PIPE (.375" THICK)	382.74	74.43
		For >1,000, Deduct	*-19.14*	
50 89 87 70-0034	LF	CALTRANS 703765 24" COATED WELDED STEEL PIPE (.250" THICK)	401.40	85.88
		For >1,000, Deduct	*-20.07*	
50 89 87 70-0035	LF	CALTRANS 703767 30" COATED WELDED STEEL PIPE (.250" THICK)	489.09	100.19
		For >1,000, Deduct	*-24.45*	
50 89 87 70-0036	LF	CALTRANS 703768 30" COATED WELDED STEEL PIPE (.375" THICK)	565.51	100.19
		For >1,000, Deduct	*-28.28*	
50 89 87 70-0037	LF	CALTRANS 703769 36" COATED WELDED STEEL PIPE (.250" THICK)	641.28	120.23
		For >1,000, Deduct	*-32.06*	
50 89 87 70-0038	LF	CALTRANS 703769 36" COATED WELDED STEEL PIPE (.375" THICK)	746.73	120.23
		For >1,000, Deduct	*-37.34*	
50 89 87 70-0039	LF	CALTRANS 703771 42" COATED WELDED STEEL PIPE (.250" THICK)	1,242.02	134.54
		For >1,000, Deduct	*-62.10*	
50 89 87 70-0040	LF	CALTRANS 703772 42" COATED WELDED STEEL PIPE (.375" THICK)	1,242.02	134.54
		For >1,000, Deduct	*-62.10*	
50 89 87 70-0041	LF	CALTRANS 703773 48" COATED WELDED STEEL PIPE (.375" THICK)	1,425.90	151.72
		For >1,000, Deduct	*-71.30*	
50 89 87 70-0042	EA	CALTRANS 705007 12" STEEL FLARED END SECTION	508.60	73.05
50 89 87 70-0043	EA	CALTRANS 705009 15" STEEL FLARED END SECTION	590.08	78.27
50 89 87 70-0044	EA	CALTRANS 705011 18" STEEL FLARED END SECTION	707.70	83.50
50 89 87 70-0045	EA	CALTRANS 705013 21" STEEL FLARED END SECTION	882.53	91.32
50 89 87 70-0046	EA	CALTRANS 705015 24" STEEL FLARED END SECTION	1,159.27	99.15
50 89 87 70-0047	EA	CALTRANS 705016 27" STEEL FLARED END SECTION	1,452.48	99.15
50 89 87 70-0048	EA	CALTRANS 705019 30" STEEL FLARED END SECTION	1,750.90	112.20
50 89 87 70-0049	EA	CALTRANS 705023 36" STEEL FLARED END SECTION	2,990.24	134.47
50 89 87 70-0050	EA	CALTRANS 705027 42" STEEL FLARED END SECTION	3,825.53	156.89
50 89 87 70-0051	EA	CALTRANS 705031 48" STEEL FLARED END SECTION	5,479.63	179.30
50 89 87 70-0052	EA	CALTRANS 705035 54" STEEL FLARED END SECTION	6,068.93	224.12
50 89 87 70-0053	EA	CALTRANS 705037 60" STEEL FLARED END SECTION	8,178.66	268.95
50 89 87 70-0054	EA	CALTRANS 705039 66" STEEL FLARED END SECTION	9,211.46	403.42
50 89 87 70-0055	EA	CALTRANS 705041 72" STEEL FLARED END SECTION	10,734.37	537.90
50 89 87 70-0056	EA	CALTRANS 705057 12" BITUMINOUS COATED STEEL FLARED END SECTION	594.46	73.05
50 89 87 70-0057	EA	CALTRANS 705059 15" BITUMINOUS COATED STEEL FLARED END SECTION	692.57	78.27
50 89 87 70-0058	EA	CALTRANS 705061 18" BITUMINOUS COATED STEEL FLARED END SECTION	830.93	83.50
50 89 87 70-0059	EA	CALTRANS 705063 21" BITUMINOUS COATED STEEL FLARED END SECTION	1,047.32	91.32
50 89 87 70-0060	EA	CALTRANS 705065 24" BITUMINOUS COATED STEEL FLARED END SECTION	1,386.51	99.15
50 89 87 70-0061	EA	CALTRANS 705067 27" BITUMINOUS COATED STEEL FLARED END SECTION	1,747.36	99.15
50 89 87 70-0062	EA	CALTRANS 705069 30" BITUMINOUS COATED STEEL FLARED END SECTION	2,113.43	112.20
50 89 87 70-0063	EA	CALTRANS 705073 36" BITUMINOUS COATED STEEL FLARED END SECTION	3,637.68	134.47
50 89 87 70-0064	EA	CALTRANS 705077 42" BITUMINOUS COATED STEEL FLARED END SECTION	4,660.03	156.89
50 89 87 70-0065	EA	CALTRANS 705081 48" BITUMINOUS COATED STEEL FLARED END SECTION	6,697.31	179.30
50 89 87 70-0066	EA	CALTRANS 705084 54" BITUMINOUS COATED STEEL FLARED END SECTION	7,402.52	224.12
50 89 87 70-0067	EA	CALTRANS 705201 12" CONCRETE FLARED END SECTION	939.62	130.55
50 89 87 70-0068	EA	CALTRANS 705202 15" CONCRETE FLARED END SECTION	1,132.26	162.72
50 89 87 70-0069	EA	CALTRANS 705204 18" CONCRETE FLARED END SECTION	1,373.99	205.97
50 89 87 70-0070	EA	CALTRANS 705205 21" CONCRETE FLARED END SECTION	1,574.56	246.31
50 89 87 70-0071	EA	CALTRANS 705206 24" CONCRETE FLARED END SECTION	1,919.58	285.09
50 89 87 70-0072	EA	CALTRANS 705207 27" CONCRETE FLARED END SECTION	2,310.77	455.31
50 89 87 70-0073	EA	CALTRANS 705208 30" CONCRETE FLARED END SECTION	2,401.47	626.87
50 89 87 70-0074	EA	CALTRANS 705210 36" CONCRETE FLARED END SECTION	3,247.81	791.16
50 89 87 70-0075	EA	CALTRANS 705212 42" CONCRETE FLARED END SECTION	3,902.82	992.64
50 89 87 70-0076	EA	CALTRANS 705214 48" CONCRETE FLARED END SECTION	4,231.95	1,119.50
50 89 87 70-0077	EA	CALTRANS 705216 54" CONCRETE FLARED END SECTION	4,744.60	1,253.86
50 89 87 70-0078	EA	CALTRANS 705217 60" CONCRETE FLARED END SECTION	5,254.70	1,253.86
50 89 87 70-0079	EA	CALTRANS 705403 21" X 15" STEEL FLARED END PIPE ARCH SECTION	750.85	83.50
50 89 87 70-0080	EA	CALTRANS 705405 24" X 18" STEEL FLARED END PIPE ARCH SECTION	820.22	91.32
50 89 87 70-0081	EA	CALTRANS 705407 28" X 20" STEEL FLARED END PIPE ARCH SECTION	884.63	99.15
50 89 87 70-0082	EA	CALTRANS 705409 35" X 24" STEEL FLARED END PIPE ARCH SECTION	1,338.94	112.20
50 89 87 70-0083	EA	CALTRANS 705411 42" X 29" STEEL FLARED END PIPE ARCH SECTION	2,572.55	134.47
50 89 87 70-0084	EA	CALTRANS 705413 49" X 33" STEEL FLARED END PIPE ARCH SECTION	3,452.66	156.89
50 89 87 70-0085	EA	CALTRANS 705415 57" X 38" STEEL FLARED END PIPE ARCH SECTION	5,334.42	179.30
50 89 87 70-0086	EA	CALTRANS 705417 64" X 43" STEEL FLARED END PIPE ARCH SECTION	6,108.35	224.12
50 89 87 70-0087	EA	CALTRANS 705419 71" X 47" STEEL FLARED END PIPE ARCH SECTION	7,378.05	268.95

50 89 87 71 EXISTING DRAINAGE FACILITIES *(50 89 87)*

Note: For work on culverts, inlets, headwalls, endwalls, aprons, drains, pipes, gutters, gutter depressions, junction structures, spillways, and check dams. Includes cleaning and preparing, inspecting and evaluating, repairing, rehabilitating, and reinspecting culverts, drain pipes, conduit, risers, downdrains, median drainage inlets, and underdrains per CALTRAN Standard.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0001	EA	CALTRANS 710208 ADJUST FRAME AND COVER TO GRADE	458.52	
50 89 87 71-0002	LF	CALTRANS 710360 CLEANING, INSPECTING, AND PREPARING CULVERT (LF)	56.17	
		For >250 To 500, Deduct	*-2.50*	
		For >500 To 1,000, Deduct	*-5.00*	
		For >1,000 To 2,000, Deduct	*-7.50*	
		For >2,000 To 5,000, Deduct	*-9.99*	
		For >5,000, Deduct	*-12.49*	
50 89 87 71-0003	CY	CALTRANS 710368 CULVERT SLURRY-CEMENT BACKFILL	255.86	
50 89 87 71-0004	CY	CALTRANS 710370 SAND BACKFILL	55.95	
		For Up To 10, Add	*14.97*	
		For >10 To 25, Add	*5.60*	
50 89 87 71-0005	LF	CALTRANS 710372 8" CURED-IN-PLACE PIPELINER	93.67	
		For >10 To 25, Add	*62.21*	
		For >25 To 50, Add	*41.15*	
		For >50 To 100, Add	*20.57*	
		For >500 To 1,000, Deduct	*-2.82*	
		For >1,000 To 2,000, Deduct	*-5.21*	
		For >2,000 To 5,000, Deduct	*-8.03*	
		For >5,000, Deduct	*-12.82*	
50 89 87 71-0006	LF	CALTRANS 710374 10" CURED-IN-PLACE PIPELINER	133.58	
		For >10 To 25, Add	*75.61*	
		For >25 To 50, Add	*51.10*	
		For >50 To 100, Add	*25.55*	
		For >500 To 1,000, Deduct	*-3.70*	
		For >1,000 To 2,000, Deduct	*-6.94*	
		For >2,000 To 5,000, Deduct	*-10.64*	
		For >5,000, Deduct	*-17.11*	
50 89 87 71-0007	LF	CALTRANS 710376 12" CURED-IN-PLACE PIPELINER	159.31	
		For >10 To 25, Add	*86.38*	
		For >25 To 50, Add	*58.76*	
		For >50 To 100, Add	*29.38*	
		For >500 To 1,000, Deduct	*-4.32*	
		For >1,000 To 2,000, Deduct	*-8.13*	
		For >2,000 To 5,000, Deduct	*-12.46*	
		For >5,000, Deduct	*-20.07*	
50 89 87 71-0008	LF	CALTRANS 710378 15" CURED-IN-PLACE PIPELINER	254.01	
		For >10 To 25, Add	*116.27*	
		For >25 To 50, Add	*81.29*	
		For >50 To 100, Add	*40.64*	
		For >500 To 1,000, Deduct	*-6.37*	
		For >1,000 To 2,000, Deduct	*-12.15*	
		For >2,000 To 5,000, Deduct	*-18.52*	
		For >5,000, Deduct	*-30.09*	
50 89 87 71-0009	LF	CALTRANS 710380 18" CURED-IN-PLACE PIPELINER	304.67	
		For >10 To 25, Add	*135.77*	
		For >25 To 50, Add	*95.37*	
		For >50 To 100, Add	*47.69*	
		For >500 To 1,000, Deduct	*-7.55*	
		For >1,000 To 2,000, Deduct	*-14.44*	
		For >2,000 To 5,000, Deduct	*-21.99*	
		For >5,000, Deduct	*-35.77*	
50 89 87 71-0010	LF	CALTRANS 710382 21" CURED-IN-PLACE PIPELINER	394.15	
		For >10 To 25, Add	*163.09*	
		For >25 To 50, Add	*116.13*	
		For >50 To 100, Add	*58.06*	
		For >500 To 1,000, Deduct	*-9.46*	
		For >1,000 To 2,000, Deduct	*-18.20*	
		For >2,000 To 5,000, Deduct	*-27.67*	
		For >5,000, Deduct	*-45.15*	
50 89 87 71-0011	LF	CALTRANS 710384 24" CURED-IN-PLACE PIPELINER	495.72	
		For >10 To 25, Add	*194.38*	
		For >25 To 50, Add	*139.85*	
		For >50 To 100, Add	*69.92*	
		For >500 To 1,000, Deduct	*-11.64*	
		For >1,000 To 2,000, Deduct	*-22.49*	
		For >2,000 To 5,000, Deduct	*-34.13*	
		For >5,000, Deduct	*-55.83*	
50 89 87 71-0012	LF	CALTRANS 710386 27" CURED-IN-PLACE PIPELINER	662.18	
		For >10 To 25, Add	*247.18*	
		For >25 To 50, Add	*179.60*	
		For >50 To 100, Add	*89.80*	
		For >500 To 1,000, Deduct	*-15.24*	
		For >1,000 To 2,000, Deduct	*-29.57*	
		For >2,000 To 5,000, Deduct	*-44.81*	
		For >5,000, Deduct	*-73.47*	
50 89 87 71-0013	LF	CALTRANS 710388 30" CURED-IN-PLACE PIPELINER	737.59	
		For >10 To 25, Add	*275.03*	
		For >25 To 50, Add	*199.88*	
		For >50 To 100, Add	*99.94*	
		For >500 To 1,000, Deduct	*-16.97*	
		For >1,000 To 2,000, Deduct	*-32.93*	
		For >2,000 To 5,000, Deduct	*-49.89*	
		For >5,000, Deduct	*-81.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0014	LF	CALTRANS 710390 36" CURED-IN-PLACE PIPELINER	885.40	
		For >10 To 25, Add	*323.16*	
		For >25 To 50, Add	*235.91*	
		For >50 To 100, Add	*117.95*	
		For >500 To 1,000, Deduct	*-20.20*	
		For >1,000 To 2,000, Deduct	*-39.26*	
		For >2,000 To 5,000, Deduct	*-59.46*	
		For >5,000, Deduct	*-97.59*	
50 89 87 71-0015	LF	CALTRANS 710392 42" CURED-IN-PLACE PIPELINER	1,034.72	
		For >10 To 25, Add	*375.07*	
		For >25 To 50, Add	*274.19*	
		For >50 To 100, Add	*137.10*	
		For >500 To 1,000, Deduct	*-23.54*	
		For >1,000 To 2,000, Deduct	*-45.79*	
		For >2,000 To 5,000, Deduct	*-69.33*	
		For >5,000, Deduct	*-113.82*	
50 89 87 71-0016	LF	CALTRANS 710394 48" CURED-IN-PLACE PIPELINER	1,186.24	
		For >10 To 25, Add	*432.51*	
		For >25 To 50, Add	*315.79*	
		For >50 To 100, Add	*157.90*	
		For >500 To 1,000, Deduct	*-27.05*	
		For >1,000 To 2,000, Deduct	*-52.59*	
		For >2,000 To 5,000, Deduct	*-79.63*	
		For >5,000, Deduct	*-130.71*	
50 89 87 71-0017	LF	CALTRANS 710396 54" CURED-IN-PLACE PIPELINER	1,552.82	
		For >10 To 25, Add	*559.21*	
		For >25 To 50, Add	*409.36*	
		For >50 To 100, Add	*204.68*	
		For >500 To 1,000, Deduct	*-35.24*	
		For >1,000 To 2,000, Deduct	*-68.57*	
		For >2,000 To 5,000, Deduct	*-103.81*	
		For >5,000, Deduct	*-170.48*	
50 89 87 71-0018	LF	CALTRANS 710398 60" CURED-IN-PLACE PIPELINER	1,978.22	
		For >10 To 25, Add	*727.95*	
		For >25 To 50, Add	*530.49*	
		For >50 To 100, Add	*265.25*	
		For >500 To 1,000, Deduct	*-45.27*	
		For >1,000 To 2,000, Deduct	*-87.95*	
		For >2,000 To 5,000, Deduct	*-133.22*	
		For >5,000, Deduct	*-218.57*	
50 89 87 71-0019	LF	CALTRANS 710400 18" DEFORMED/RE-FORMED HDPE PIPELINER	186.46	
		For >500 To 1,000, Deduct	*-1.59*	
		For >1,000 To 2,000, Deduct	*-3.18*	
		For >2,000, Deduct	*-6.37*	
50 89 87 71-0020	LF	CALTRANS 710402 21" DEFORMED/RE-FORMED HDPE PIPELINER	210.68	
		For >500 To 1,000, Deduct	*-1.72*	
		For >1,000 To 2,000, Deduct	*-3.45*	
		For >2,000, Deduct	*-6.90*	
50 89 87 71-0021	LF	CALTRANS 710404 24" DEFORMED/RE-FORMED HDPE PIPELINER	256.34	
		For >500 To 1,000, Deduct	*-1.88*	
		For >1,000 To 2,000, Deduct	*-3.76*	
		For >2,000, Deduct	*-7.52*	
50 89 87 71-0022	LF	CALTRANS 710434 12" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	32.39	
50 89 87 71-0023	LF	CALTRANS 710436 15" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	48.63	
50 89 87 71-0024	LF	CALTRANS 710438 18" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	65.53	
50 89 87 71-0025	LF	CALTRANS 710440 21" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	81.31	
50 89 87 71-0026	LF	CALTRANS 710442 24" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	106.58	
50 89 87 71-0027	LF	CALTRANS 710444 27" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	127.93	
50 89 87 71-0028	LF	CALTRANS 710446 30" MACHINE SPIRAL WOUND PVC PIPELINER (EXPANDABLE DIAMETER)	146.46	
50 89 87 71-0029	LF	CALTRANS 710448 12" CEMENTITIOUS PIPELINER	75.91	
50 89 87 71-0030	LF	CALTRANS 710450 15" CEMENTITIOUS PIPELINER	85.71	
50 89 87 71-0031	LF	CALTRANS 710452 18" CEMENTITIOUS PIPELINER	91.55	
50 89 87 71-0032	LF	CALTRANS 710454 21" CEMENTITIOUS PIPELINER	98.38	
50 89 87 71-0033	LF	CALTRANS 710456 24" CEMENTITIOUS PIPELINER	105.06	
50 89 87 71-0034	LF	CALTRANS 710458 27" CEMENTITIOUS PIPELINER	110.48	
50 89 87 71-0035	LF	CALTRANS 710460 30" CEMENTITIOUS PIPELINER	115.72	
50 89 87 71-0036	LF	CALTRANS 710462 36" CEMENTITIOUS PIPELINER	110.47	
50 89 87 71-0037	LF	CALTRANS 710478 36" WELDED STEEL PIPELINER	742.50	
50 89 87 71-0038	LF	CALTRANS 710480 42" WELDED STEEL PIPELINER	856.83	
50 89 87 71-0039	LF	CALTRANS 710482 48" WELDED STEEL PIPELINER	974.30	
50 89 87 71-0040	LF	CALTRANS 710484 54" WELDED STEEL PIPELINER	1,188.58	
50 89 87 71-0041	LF	CALTRANS 710486 60" WELDED STEEL PIPELINER	1,286.12	
50 89 87 71-0042	LF	CALTRANS 710488 66" WELDED STEEL PIPELINER	1,404.99	
50 89 87 71-0043	LF	CALTRANS 710490 72" WELDED STEEL PIPELINER	1,677.15	
50 89 87 71-0044	LF	CALTRANS 710491 78" WELDED STEEL PIPELINER	1,769.97	
50 89 87 71-0045	LF	CALTRANS 710492 84" WELDED STEEL PIPELINER	1,874.10	
50 89 87 71-0046	LF	CALTRANS 710494 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 42" X 29")	475.26	
50 89 87 71-0047	LF	CALTRANS 710496 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 49" X 33")	594.38	
50 89 87 71-0048	LF	CALTRANS 710498 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 57" X 38")	741.01	
50 89 87 71-0049	LF	CALTRANS 710500 MACHINE SPIRAL WOUND PVC LINER (GROUTED, ARCH, 64" X 43")	894.11	
50 89 87 71-0050	LF	CALTRANS 710512 42" X 29" WELDED STEEL PIPELINER (ARCH)	823.88	
50 89 87 71-0051	LF	CALTRANS 710514 49" X 33" WELDED STEEL PIPELINER (ARCH)	950.10	
50 89 87 71-0052	LF	CALTRANS 710516 57" X 38" WELDED STEEL PIPELINER (ARCH)	1,080.02	
50 89 87 71-0053	LF	CALTRANS 710518 64" X 43" WELDED STEEL PIPELINER (ARCH)	1,323.95	
50 89 87 71-0054	LF	CALTRANS 710520 71" X 47" WELDED STEEL PIPELINER (ARCH)	1,430.39	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 87 71-0055	LF	CALTRANS 710522 83" X 57" WELDED STEEL PIPELINER (ARCH)	1,877.01	
50 89 87 71-0056	LF	CALTRANS 710524 HDPE PLASTIC PIPELINER (16" OD SDR 32.5)	97.15	
50 89 87 71-0057	LF	CALTRANS 710526 HDPE PLASTIC PIPELINER (18" OD SDR 32.5)	122.16	
50 89 87 71-0058	LF	CALTRANS 710528 HDPE PLASTIC PIPELINER (20" OD SDR 32.5)	150.70	
50 89 87 71-0059	LF	CALTRANS 710530 HDPE PLASTIC PIPELINER (22" OD SDR 32.5)	174.15	
50 89 87 71-0060	LF	CALTRANS 710532 HDPE PLASTIC PIPELINER (24" OD SDR 32.5)	199.69	
50 89 87 71-0061	LF	CALTRANS 710534 HDPE PLASTIC PIPELINER (26" OD SDR 32.5)	228.49	
50 89 87 71-0062	LF	CALTRANS 710536 HDPE PLASTIC PIPELINER (28" OD SDR 32.5)	258.32	
50 89 87 71-0063	LF	CALTRANS 710538 HDPE PLASTIC PIPELINER (30" OD SDR 32.5)	300.44	
50 89 87 71-0064	LF	CALTRANS 710540 HDPE PLASTIC PIPELINER (32" OD SDR 32.5)	344.68	
50 89 87 71-0065	LF	CALTRANS 710542 HDPE PLASTIC PIPELINER (34" OD SDR 32.5)	381.63	
50 89 87 71-0066	LF	CALTRANS 710544 HDPE PLASTIC PIPELINER (36" OD SDR 32.5)	418.57	
50 89 87 71-0067	LF	CALTRANS 710546 HDPE PLASTIC PIPELINER (39.5" OD SDR 32.5)	480.23	
50 89 87 71-0068	LF	CALTRANS 710548 HDPE PLASTIC PIPELINER (42" OD SDR 32.5)	541.89	
50 89 87 71-0069	LF	CALTRANS 710550 HDPE PLASTIC PIPELINER (48" OD SDR 32.5)	702.87	
50 89 87 71-0070	LF	CALTRANS 710552 HDPE PLASTIC PIPELINER (54" OD SDR 32.5)	861.75	
50 89 87 71-0071	LF	CALTRANS 710554 HDPE PLASTIC PIPELINER (55.3" OD SDR 32.5)	910.21	
50 89 87 71-0072	LF	CALTRANS 710556 HDPE PLASTIC PIPELINER (63.2" OD SDR 32.5)	1,145.56	
50 89 87 71-0073	LF	CALTRANS 710558 HDPE PLASTIC PIPELINER (16" OD SDR 26)	117.35	
50 89 87 71-0074	LF	CALTRANS 710660 HDPE PLASTIC PIPELINER (18" OD SDR 26)	147.58	
50 89 87 71-0075	LF	CALTRANS 710662 HDPE PLASTIC PIPELINER (20" OD SDR 26)	182.41	
50 89 87 71-0076	LF	CALTRANS 710664 HDPE PLASTIC PIPELINER (22" OD SDR 26)	210.92	
50 89 87 71-0077	LF	CALTRANS 710666 HDPE PLASTIC PIPELINER (24" OD SDR 26)	242.05	
50 89 87 71-0078	LF	CALTRANS 710668 HDPE PLASTIC PIPELINER (26" OD SDR 26)	277.20	
50 89 87 71-0079	LF	CALTRANS 710670 HDPE PLASTIC PIPELINER (28" OD SDR 26)	313.63	
50 89 87 71-0080	LF	CALTRANS 710672 HDPE PLASTIC PIPELINER (30" OD SDR 26)	365.30	
50 89 87 71-0081	LF	CALTRANS 710674 HDPE PLASTIC PIPELINER (32" OD SDR 26)	419.60	
50 89 87 71-0082	LF	CALTRANS 710766 HDPE PLASTIC PIPELINER (34" OD SDR 26)	464.86	
50 89 87 71-0083	LF	CALTRANS 710768 HDPE PLASTIC PIPELINER (36" OD SDR 26)	510.11	
50 89 87 71-0084	LF	CALTRANS 710770 HDPE PLASTIC PIPELINER (39.5" OD SDR 26)	586.01	
50 89 87 71-0085	LF	CALTRANS 710772 HDPE PLASTIC PIPELINER (42" OD SDR 26)	661.91	
50 89 87 71-0086	LF	CALTRANS 710774 HDPE PLASTIC PIPELINER (48" OD SDR 26)	860.97	
50 89 87 71-0087	LF	CALTRANS 710776 HDPE PLASTIC PIPELINER (54" OD SDR 26)	1,057.42	
50 89 87 71-0088	LF	CALTRANS 710778 HDPE PLASTIC PIPELINER (55.3" OD SDR 26)	1,116.95	
50 89 87 71-0089	LF	CALTRANS 710780 HDPE PLASTIC PIPELINER (63.2" OD SDR 26)	1,407.67	
50 89 87 71-0090	LF	CALTRANS 710882 HDPE PLASTIC PIPELINER (16" OD SDR 21)	143.43	
50 89 87 71-0091	LF	CALTRANS 710884 HDPE PLASTIC PIPELINER (18" OD SDR 21)	180.41	
50 89 87 71-0092	LF	CALTRANS 710886 HDPE PLASTIC PIPELINER (20" OD SDR 21)	223.37	
50 89 87 71-0093	LF	CALTRANS 710888 HDPE PLASTIC PIPELINER (22" OD SDR 21)	258.43	
50 89 87 71-0094	LF	CALTRANS 710890 HDPE PLASTIC PIPELINER (24" OD SDR 21)	296.75	
50 89 87 71-0095	LF	CALTRANS 710891 HDPE PLASTIC PIPELINER (26" OD SDR 21)	340.11	
50 89 87 71-0096	LF	CALTRANS 710892 HDPE PLASTIC PIPELINER (28" OD SDR 21)	385.07	
50 89 87 71-0097	LF	CALTRANS 710893 HDPE PLASTIC PIPELINER (30" OD SDR 21)	449.08	
50 89 87 71-0098	LF	CALTRANS 710894 HDPE PLASTIC PIPELINER (32" OD SDR 21)	516.37	
50 89 87 71-0099	LF	CALTRANS 710895 HDPE PLASTIC PIPELINER (34" OD SDR 21)	572.36	
50 89 87 71-0100	LF	CALTRANS 710896 HDPE PLASTIC PIPELINER (36" OD SDR 21)	628.35	
50 89 87 71-0101	LF	CALTRANS 710897 HDPE PLASTIC PIPELINER (39.5" OD SDR 21)	722.64	
50 89 87 71-0102	LF	CALTRANS 710898 HDPE PLASTIC PIPELINER (42" OD SDR 21)	816.94	
50 89 87 71-0103	LF	CALTRANS 710899 HDPE PLASTIC PIPELINER (48" OD SDR 21)	1,065.18	
50 89 87 71-0104	LF	CALTRANS 710900 HDPE PLASTIC PIPELINER (54" OD SDR 21)	1,310.17	
50 89 87 71-0105	LF	CALTRANS 710902 HDPE PLASTIC PIPELINER (55.3" OD SDR 21)	1,384.00	
50 89 87 71-0106	LF	CALTRANS 710904 HDPE PLASTIC PIPELINER (63.2" OD SDR 21)	1,746.23	

50 89 88 CALTRANS DIVISION VIII - MISCELLANEOUS CONSTRUCTION *(50 89 80)*

50 89 88 73 CONCRETE CURBS AND SIDEWALKS *(50 89 88)*

50 89 88 73-0001	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 18"	30.17	
		For Up To 20, Add	*18.17*	
		For >20 To 50, Add	*10.30*	
		For >50 To 100, Add	*3.94*	
		For >500 To 1,000, Deduct	*-3.94*	
		For >1,000, Deduct	*-6.66*	
50 89 88 73-0002	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 6" x 24"	34.70	
		For Up To 20, Add	*20.30*	
		For >20 To 50, Add	*11.48*	
		For >50 To 100, Add	*4.41*	
		For >500 To 1,000, Deduct	*-4.41*	
		For >1,000, Deduct	*-7.48*	
50 89 88 73-0003	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 18"	31.85	
		For Up To 20, Add	*18.60*	
		For >20 To 50, Add	*10.52*	
		For >50 To 100, Add	*4.04*	
		For >500 To 1,000, Deduct	*-4.04*	
		For >1,000, Deduct	*-6.85*	
50 89 88 73-0004	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 24"	36.94	
		For Up To 20, Add	*20.74*	
		For >20 To 50, Add	*11.71*	
		For >50 To 100, Add	*4.52*	
		For >500 To 1,000, Deduct	*-4.52*	
		For >1,000, Deduct	*-7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 73-0005	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 8" x 36"	51.39	
		For Up To 20, Add	*28.30*	
		For >20 To 50, Add	*15.95*	
		For >50 To 100, Add	*6.17*	
		For >500 To 1,000, Deduct	*-6.17*	
		For >1,000, Deduct	*-10.55*	
50 89 88 73-0006	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 24"	44.74	
		For Up To 20, Add	*23.97*	
		For >20 To 50, Add	*13.49*	
		For >50 To 100, Add	*5.24*	
		For >500 To 1,000, Deduct	*-5.24*	
		For >1,000, Deduct	*-8.98*	
50 89 88 73-0007	LF	CALTRANS 730010 MINOR CONCRETE (CURB) (LF), 12" x 36"	63.01	
		For Up To 20, Add	*33.08*	
		For >20 To 50, Add	*18.59*	
		For >50 To 100, Add	*7.25*	
		For >500 To 1,000, Deduct	*-7.25*	
		For >1,000, Deduct	*-12.45*	
50 89 88 73-0008	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 18"	39.80	
		For Up To 20, Add	*27.04*	
		For >20 To 50, Add	*15.10*	
		For >50 To 100, Add	*5.97*	
		For >500 To 1,000, Deduct	*-5.15*	
		For >1,000, Deduct	*-8.72*	
50 89 88 73-0009	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 24"	48.20	
		For Up To 20, Add	*32.74*	
		For >20 To 50, Add	*18.28*	
		For >50 To 100, Add	*7.23*	
		For >500 To 1,000, Deduct	*-6.23*	
		For >1,000, Deduct	*-10.54*	
50 89 88 73-0010	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 30"	62.86	
		For Up To 20, Add	*42.72*	
		For >20 To 50, Add	*23.87*	
		For >50 To 100, Add	*9.43*	
		For >500 To 1,000, Deduct	*-8.15*	
		For >1,000, Deduct	*-13.80*	
50 89 88 73-0011	LF	CALTRANS 730040 MINOR CONCRETE (GUTTER) (LF) 6" x 36"	66.21	
		For Up To 20, Add	*44.97*	
		For >20 To 50, Add	*25.11*	
		For >50 To 100, Add	*9.93*	
		For >500 To 1,000, Deduct	*-8.56*	
		For >1,000, Deduct	*-14.49*	
50 89 88 73-0012	SF	CALTRANS 730070 DETECTABLE WARNING SURFACE	54.37	
50 89 88 73-0013	CY	CALTRANS 731502 MINOR CONCRETE (MISCELLANEOUS CONSTRUCTION)	217.79	
		For Up To 20, Add	*14.66*	
		For >20 To 50, Add	*5.50*	
		For >100 To 200, Deduct	*-4.36*	
		For >200 To 400, Deduct	*-8.71*	
		For >400, Deduct	*-13.07*	
50 89 88 73-0014	SF	CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 4"	10.45	
		For Up To 100, Add	*4.53*	
		For >100 To 500, Add	*1.29*	
		For >1,000 To 5,000, Deduct	*-0.77*	
		For >5,000, Deduct	*-1.67*	
50 89 88 73-0015	SF	CALTRANS 731525 MINOR CONCRETE (SIDEWALK) (SF) 6"	12.26	
		For Up To 100, Add	*5.13*	
		For >100 To 500, Add	*1.44*	
		For >1,000 To 5,000, Deduct	*-0.82*	
		For >5,000, Deduct	*-1.85*	
50 89 88 73-0016	LF	CALTRANS 731700 REMOVE CURB	12.65	
50 89 88 73-0017	LF	CALTRANS 731710 REMOVE CONCRETE CURB (LF)	20.03	
		For Up To 20, Add	*14.02*	
		For >20 To 50, Add	*8.01*	
		For >50 To 100, Add	*3.00*	
		For >500 To 1,000, Deduct	*-3.00*	
		For >1,000, Deduct	*-5.01*	
50 89 88 73-0018	SY	CALTRANS 731780 REMOVE CONCRETE SIDEWALK (SQYD)	110.45	
		For Up To 100, Add	*46.17*	
		For >100 To 500, Add	*12.95*	
		For >1,000 To 5,000, Deduct	*-7.42*	
		For >5,000, Deduct	*-16.66*	
50 89 88 73-0019	LF	CALTRANS 731840 REMOVE CONCRETE (CURB AND GUTTER)	33.06	
		For Up To 20, Add	*23.14*	
		For >20 To 50, Add	*13.22*	
		For >50 To 100, Add	*4.96*	
		For >500 To 1,000, Deduct	*-4.96*	
		For >1,000, Deduct	*-8.27*	

50 89 88 78 INCIDENTAL CONSTRUCTION *(50 89 88)*

50 89 88 78-0001	EA	CALTRANS 780210 SURVEY MONUMENT (TYPE A)	630.29	
50 89 88 78-0002	EA	CALTRANS 780250 ADJUST MONUMENT COVER TO GRADE	245.71	
50 89 88 78-0003	SF	CALTRANS 780433 PAINT CURB (2-COAT)	4.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 78-0004	SF	CALTRANS 780460 ANTI-GRAFFITI COATING	1.54	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
50 89 88 78-0005	EA	CALTRANS 780500 PARKING BUMPER (PRECAST CONCRETE)	108.10	23.13

50 89 88 80 FENCES *(50 89 88)*

Note: Includes constructing fences and gates, excavation, concrete footing, posts, bracing, tension wire, hardware and grounding material per CALTRAN Standard.

50 89 88 80-0001	LF	CALTRANS 800004 FENCE (TYPE BW, 5-STRAND, WOOD POST)	13.55	
50 89 88 80-0002	LF	CALTRANS 800006 FENCE (TYPE BW, 6-STRAND, WOOD POST)	14.39	
50 89 88 80-0003	LF	CALTRANS 800007 FENCE (TYPE BW, 5-STRAND, METAL POST)	16.47	
50 89 88 80-0004	LF	CALTRANS 800008 FENCE (TYPE BW, 4-STRAND, METAL POST)	15.27	
50 89 88 80-0005	LF	CALTRANS 800010 FENCE (TYPE BW, 4-STRAND, WOOD POST)	12.72	
50 89 88 80-0006	LF	CALTRANS 800016 FENCE (TYPE BW, 6-STRAND, METAL POST)	17.30	
50 89 88 80-0007	LF	CALTRANS 800103 TEMPORARY FENCE (TEMPORARY FENCE (TYPE CL-6)	8.21	
50 89 88 80-0008	LF	CALTRANS 800302 CHAIN LINK FENCE (TYPE CL-3, VINYL-CLAD)	47.24	
		For Up To 100, Add	*8.88*	
		For >100 To 250, Add	*3.26*	
		For >2,500 To 5,000, Deduct	*-1.63*	
		For >5,000, Deduct	*-3.26*	
50 89 88 80-0009	LF	CALTRANS 800310 CHAIN LINK FENCE (TYPE CL-3.5)	45.78	
		For Up To 100, Add	*8.63*	
		For >100 To 250, Add	*3.17*	
		For >2,500 To 5,000, Deduct	*-1.59*	
		For >5,000, Deduct	*-3.17*	
50 89 88 80-0010	LF	CALTRANS 800320 CHAIN LINK FENCE (TYPE CL-4)	47.31	
		For Up To 100, Add	*8.89*	
		For >100 To 250, Add	*3.26*	
		For >2,500 To 5,000, Deduct	*-1.63*	
		For >5,000, Deduct	*-3.26*	
50 89 88 80-0011	LF	CALTRANS 800321 CHAIN LINK FENCE (TYPE CL-4, VINYL-CLAD)	48.95	
		For Up To 100, Add	*9.14*	
		For >100 To 250, Add	*3.34*	
		For >2,500 To 5,000, Deduct	*-1.67*	
		For >5,000, Deduct	*-3.34*	
50 89 88 80-0012	LF	CALTRANS 800340 CHAIN LINK FENCE (TYPE CL-5)	50.86	
		For Up To 100, Add	*9.48*	
		For >100 To 250, Add	*3.47*	
		For >2,500 To 5,000, Deduct	*-1.73*	
		For >5,000, Deduct	*-3.47*	
50 89 88 80-0013	LF	CALTRANS 800341 CHAIN LINK FENCE (TYPE CL-5, VINYL-CLAD)	52.93	
		For Up To 100, Add	*9.79*	
		For >100 To 250, Add	*3.57*	
		For >2,500 To 5,000, Deduct	*-1.79*	
		For >5,000, Deduct	*-3.57*	
50 89 88 80-0014	LF	CALTRANS 800360 CHAIN LINK FENCE (TYPE CL-6)	55.07	
		For Up To 100, Add	*10.23*	
		For >100 To 250, Add	*3.74*	
		For >2,500 To 5,000, Deduct	*-1.87*	
		For >5,000, Deduct	*-3.74*	
50 89 88 80-0015	LF	CALTRANS 800361 CHAIN LINK FENCE (TYPE CL-6, VINYL-CLAD)	59.28	
		For Up To 100, Add	*10.86*	
		For >100 To 250, Add	*3.95*	
		For >2,500 To 5,000, Deduct	*-1.97*	
		For >5,000, Deduct	*-3.95*	
50 89 88 80-0016	LF	CALTRANS 800363 CHAIN LINK FENCE (TYPE CL-6, EXTENSION ARM)	56.95	
		For Up To 100, Add	*10.51*	
		For >100 To 250, Add	*3.83*	
		For >2,500 To 5,000, Deduct	*-1.92*	
		For >5,000, Deduct	*-3.83*	
50 89 88 80-0017	LF	CALTRANS 800365 CHAIN LINK FENCE (TYPE CL-6, SLATTED)	118.23	
		For Up To 100, Add	*20.20*	
		For >100 To 250, Add	*7.14*	
		For >2,500 To 5,000, Deduct	*-3.57*	
		For >5,000, Deduct	*-7.14*	
50 89 88 80-0018	LF	CALTRANS 800400 CHAIN LINK FENCE (TYPE CL-8)	64.86	
		For Up To 100, Add	*11.91*	
		For >100 To 250, Add	*4.33*	
		For >2,500 To 5,000, Deduct	*-2.17*	
		For >5,000, Deduct	*-4.33*	
50 89 88 80-0019	EA	CALTRANS 802100 4' CHAIN LINK GATE (TYPE CL-4)	498.02	
50 89 88 80-0020	EA	CALTRANS 802110 5' CHAIN LINK GATE (TYPE CL-4)	590.38	
50 89 88 80-0021	EA	CALTRANS 802120 6' CHAIN LINK GATE (TYPE CL-4)	694.10	
50 89 88 80-0022	EA	CALTRANS 802180 12' CHAIN LINK GATE (TYPE CL-4)	1,691.08	
50 89 88 80-0023	EA	CALTRANS 802340 8' CHAIN LINK GATE (TYPE CL-5)	1,054.44	
50 89 88 80-0024	EA	CALTRANS 802400 14' CHAIN LINK GATE (TYPE CL-5)	2,397.58	
50 89 88 80-0025	EA	CALTRANS 802420 16' CHAIN LINK GATE (TYPE CL-5)	2,766.93	
50 89 88 80-0026	EA	CALTRANS 802440 18' CHAIN LINK GATE (TYPE CL-5)	3,093.37	
50 89 88 80-0027	EA	CALTRANS 802500 3' CHAIN LINK GATE (TYPE CL-6)	506.53	
50 89 88 80-0028	EA	CALTRANS 802501 4' CHAIN LINK GATE (TYPE CL-6)	645.00	
50 89 88 80-0029	EA	CALTRANS 802502 4' CHAIN LINK GATE (TYPE CL-6, VINYL-CLAD)	283.15	
50 89 88 80-0030	EA	CALTRANS 802503 4' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	664.07	
50 89 88 80-0031	EA	CALTRANS 802504 4' CHAIN LINK GATE (TYPE CL-6, SLATTED)	683.82	

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CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 88 80-0032	EA	CALTRANS 802510 5' CHAIN LINK GATE (TYPE CL-6)	756.37	
50 89 88 80-0033	EA	CALTRANS 802520 6' CHAIN LINK GATE (TYPE CL-6)	877.80	
50 89 88 80-0034	EA	CALTRANS 802540 8' CHAIN LINK GATE (TYPE CL-6)	1,126.29	
50 89 88 80-0035	EA	CALTRANS 802543 8' CHAIN LINK GATE (TYPE CL-6, EXTENSION ARM)	1,147.07	
50 89 88 80-0036	EA	CALTRANS 802550 9' CHAIN LINK GATE (TYPE CL-6)	1,248.50	
50 89 88 80-0037	EA	CALTRANS 802560 10' CHAIN LINK GATE (TYPE CL-6)	1,858.57	
50 89 88 80-0038	EA	CALTRANS 802580 12' CHAIN LINK GATE (TYPE CL-6)	2,206.79	
50 89 88 80-0039	EA	CALTRANS 802601 14' CHAIN LINK GATE (TYPE CL-6)	2,619.47	
50 89 88 80-0040	EA	CALTRANS 802620 16' CHAIN LINK GATE (TYPE CL-6)	2,973.41	
50 89 88 80-0041	EA	CALTRANS 802640 18' CHAIN LINK GATE (TYPE CL-6)	3,337.11	
50 89 88 80-0042	EA	CALTRANS 802660 20' CHAIN LINK GATE (TYPE CL-6)	3,705.38	
50 89 88 80-0043	EA	CALTRANS 802670 24' CHAIN LINK GATE (TYPE CL-6)	4,452.56	
50 89 88 80-0044	EA	CALTRANS 802840 18' CHAIN LINK GATE (TYPE CL-7)	3,520.74	
50 89 88 80-0045	LF	CALTRANS 802900 CHAIN LINK FENCE (TYPE CL-8, EXTENSION ARM)	66.73	
		For Up To 100, Add	*12.19*	
		For >100 To 250, Add	*4.43*	
		For >2,500 To 5,000, Deduct	*-2.21*	
		For >5,000, Deduct	*-4.43*	
50 89 88 80-0046	EA	CALTRANS 802901 4' CHAIN LINK GATE (TYPE CL-8)	797.48	
50 89 88 80-0047	EA	CALTRANS 802902 4' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	816.55	
50 89 88 80-0048	EA	CALTRANS 802920 6' CHAIN LINK GATE (TYPE CL-8)	1,068.85	
50 89 88 80-0049	EA	CALTRANS 802941 8' CHAIN LINK GATE (TYPE CL-8, EXTENSION ARM)	1,386.86	
50 89 88 80-0050	EA	CALTRANS 803010 14' CHAIN LINK GATE (TYPE CL-10, VINYL_CLAD)	1,571.09	
50 89 88 80-0051	LF	CALTRANS 803050 REMOVE CHAIN LINK FENCE	6.66	
		For Up To 100, Add	*1.67*	
		For >100 To 250, Add	*0.67*	
		For >2,500 To 5,000, Deduct	*-0.33*	
		For >5,000, Deduct	*-0.67*	
50 89 88 80-0052	EA	CALTRANS 803060 REMOVE GATE	302.15	
50 89 88 80-0053	EA	CALTRANS 803160 RESET GATE	1,478.16	
50 89 88 80-0054	LF	CALTRANS 803180 RELOCATE CHAIN LINK FENCE	30.98	

50 89 89 CALTRANS DIVISION IX - TRAFFIC CONTROL DEVICES *(50 89 80)*

50 89 89 81 MISCELLANEOUS TRAFFIC CONTROL DEVICES *(50 89 89)*

50 89 89 81-0001	EA	CALTRANS 810120 REMOVE PAVEMENT MARKER	2.80	
		For >100, Deduct	*-0.28*	
50 89 89 81-0002	EA	CALTRANS 810220 PAVEMENT MARKER (NON-REFLECTIVE)	7.60	2.80
		For >100, Deduct	*-0.76*	
		For >100, Deduct	*-0.76*	
50 89 89 81-0003	EA	CALTRANS 810230 PAVEMENT MARKER (RETROREFLECTIVE)	8.80	2.80
		For >100, Deduct	*-0.88*	
		For >100, Deduct	*-0.88*	
50 89 89 81-0004	EA	CALTRANS 810250 PAVEMENT MARKER (RETROREFLECTIVE-RECESSED)	81.82	34.26

50 89 89 82 SIGNS AND MARKERS *(50 89 89)*

50 89 89 82-0001	EA	CALTRANS 820110 MILEPOST MARKER	207.44	
50 89 89 82-0002	SF	CALTRANS 820750 FURNISH SINGLE SHEET ALUMINUM SIGN (0.063"-UNFRAMED)	25.89	39.26
50 89 89 82-0003	SF	CALTRANS 820760 FURNISH SINGLE SHEET ALUMINUM SIGN (0.080"-UNFRAMED)	26.63	25.41

50 89 89 83 RAILINGS AND BARRIERS *(50 89 89)*

50 89 89 83-0001	LF	CALTRANS 832006 MIDWEST GUARDRAIL SYSTEM (STEEL POST)	62.02	11.10
50 89 89 83-0002	LF	CALTRANS 832007 MIDWEST GUARDRAIL SYSTEM (WOOD POST)	124.17	16.30
50 89 89 83-0003	LF	CALTRANS 839303 SINGLE THRIE BEAM BARRIER (STEEL POST)	147.00	3.04
50 89 89 83-0004	LF	CALTRANS 839752 REMOVE GUARDRAIL	11.10	

50 89 89 84 MARKINGS *(50 89 89)*

50 89 89 84-0001	LF	CALTRANS 840505 6" THERMOPLASTIC TRAFFIC STRIPE	2.10	
		For Up To 5,000 LF, Add	*0.42*	
		For >25,000 LF, Deduct	*-0.32*	
50 89 89 84-0002	LF	CALTRANS 840506 8" THERMOPLASTIC TRAFFIC STRIPE	2.78	
		For Up To 5,000 LF, Add	*0.56*	
		For >25,000 LF, Deduct	*-0.42*	
50 89 89 84-0003	LF	CALTRANS 840507 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 8-4)	1.24	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
50 89 89 84-0004	LF	CALTRANS 840508 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	1.05	
		For Up To 5,000 LF, Add	*0.21*	
		For >25,000 LF, Deduct	*-0.16*	
50 89 89 84-0005	SF	CALTRANS 840515 THERMOPLASTIC PAVEMENT MARKING	8.32	
50 89 89 84-0006	SF	CALTRANS 840519 THERMOPLASTIC CROSSWALK AND PAVEMENT MARKING	8.32	
50 89 89 84-0007	LF	CALTRANS840522 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 6-1)	0.69	
		For Up To 5,000 LF, Add	*0.14*	
		For >25,000 LF, Deduct	*-0.10*	
50 89 89 84-0008	LF	CALTRANS 840528 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 12-3)	0.80	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0009	LF	CALTRANS 840529 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	0.95	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
50 89 89 84-0010	LF	CALTRANS 840530 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 17-7)	1.09	
		For Up To 5,000 LF, Add	*0.22*	
		For >25,000 LF, Deduct	*-0.16*	
50 89 89 84-0011	LF	CALTRANS 840531 6" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 18-12)	1.53	
		For Up To 5,000 LF, Add	*0.31*	
		For >25,000 LF, Deduct	*-0.23*	
50 89 89 84-0012	LF	CALTRANS 840550 8" THERMOPLASTIC TRAFFIC STRIPE (BROKEN 36-12)	1.24	
		For Up To 5,000 LF, Add	*0.25*	
		For >25,000 LF, Deduct	*-0.19*	
50 89 89 84-0013	LF	CALTRANS 840583 6" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.76	
		For Up To 5,000 LF, Add	*0.15*	
		For >25,000 LF, Deduct	*-0.11*	
50 89 89 84-0014	LF	CALTRANS 840584 8" TWO-COMPONENT PAINT TRAFFIC STRIPE	0.93	
		For Up To 5,000 LF, Add	*0.19*	
		For >25,000 LF, Deduct	*-0.14*	
50 89 89 84-0015	LF	CALTRANS 840610 8" TWO-COMPONENT PAINT TRAFFIC STRIPE BROKEN 12-3)	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0016	LF	CALTRANS 840612 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 6-1)	0.46	
		For Up To 5,000 LF, Add	*0.09*	
		For >25,000 LF, Deduct	*-0.07*	
50 89 89 84-0017	LF	CALTRANS 840614 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 12-3)	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0018	LF	CALTRANS 840616 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)	0.39	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
50 89 89 84-0019	LF	CALTRANS 840618 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 17-7)	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0020	LF	CALTRANS 840620 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 18-12)	0.59	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0021	LF	CALTRANS 840622 6" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 8-4)	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0022	LF	CALTRANS 840624 8" TWO-COMPONENT PAINT TRAFFIC STRIPE (BROKEN 36-12)	0.64	
		For Up To 5,000 LF, Add	*0.13*	
		For >25,000 LF, Deduct	*-0.10*	
50 89 89 84-0023	SF	CALTRANS 840637 TWO-COMPONENT PAINT PAVEMENT MARKING	6.71	
50 89 89 84-0024	SF	CALTRANS 840651 PAINTED STALL LINES AND PAVEMENT MARKINGS	5.20	
50 89 89 84-0025	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 4" Wide	0.31	
		For Up To 5,000 LF, Add	*0.06*	
		For >25,000 LF, Deduct	*-0.05*	
50 89 89 84-0026	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 6" Wide	0.40	
		For Up To 5,000 LF, Add	*0.08*	
		For >25,000 LF, Deduct	*-0.06*	
50 89 89 84-0027	LF	CALTRANS 840655 PAINT TRAFFIC STRIPE (1-COAT) - 8" Wide	0.51	
		For Up To 5,000 LF, Add	*0.10*	
		For >25,000 LF, Deduct	*-0.08*	
50 89 89 84-0028	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 4" Wide	0.62	
		For Up To 5,000 LF, Add	*0.12*	
		For >25,000 LF, Deduct	*-0.09*	
50 89 89 84-0029	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 6" Wide	0.78	
		For Up To 5,000 LF, Add	*0.16*	
		For >25,000 LF, Deduct	*-0.12*	
50 89 89 84-0030	LF	CALTRANS 840656 PAINT TRAFFIC STRIPE (2-COAT) - 8" Wide	1.02	
		For Up To 5,000 LF, Add	*0.20*	
		For >25,000 LF, Deduct	*-0.15*	
50 89 89 84-0031	SF	CALTRANS 840665 PAINT PAVEMENT MARKING (1-COAT)	5.11	
50 89 89 84-0032	SF	CALTRANS 840666 PAINT PAVEMENT MARKING (2-COAT)	7.81	
50 89 89 84-0033	LF	CALTRANS 846020 REMOVE PAINTED TRAFFIC STRIPE	2.30	
		For Up To 250, Add	*1.15*	
		For >250 To 1,000, Add	*0.58*	
		For >5,000 To 10,000, Deduct	*-0.35*	
		For >10,000 To 25,000, Deduct	*-0.58*	
		For >25,000 To 50,000, Deduct	*-0.81*	
		For >50,000, Deduct	*-0.92*	
50 89 89 84-0034	SF	CALTRANS 846025 REMOVE PAINTED PAVEMENT MARKING	3.96	
		For Up To 250, Add	*1.98*	
		For >250 To 1,000, Add	*0.99*	
		For >5,000 To 10,000, Deduct	*-0.59*	
		For >10,000 To 25,000, Deduct	*-0.99*	
		For >25,000 To 50,000, Deduct	*-1.39*	
		For >50,000, Deduct	*-1.58*	
50 89 89 84-0035	LF	CALTRANS 846030 REMOVE THERMOPLASTIC TRAFFIC STRIPE	3.49	
		For Up To 250, Add	*1.75*	
		For >250 To 1,000, Add	*0.87*	
		For >5,000 To 10,000, Deduct	*-0.52*	
		For >10,000 To 25,000, Deduct	*-0.87*	
		For >25,000 To 50,000, Deduct	*-1.22*	
		For >50,000, Deduct	*-1.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
50 89 89 84-0036	SF	CALTRANS 846035 REMOVE THERMOPLASTIC PAVEMENT MARKING	5.04	
		For Up To 250, Add	*2.52*	
		For >250 To 1,000, Add	*1.26*	
		For >5,000 To 10,000, Deduct	*-0.76*	
		For >10,000 To 25,000, Deduct	*-1.26*	
		For >25,000 To 50,000, Deduct	*-1.76*	
		For >50,000, Deduct	*-2.02*	

END OF SECTION 50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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